

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\  
 Data File : VD061340.D  
 Acq On : 26 Mar 2019 17:08  
 Operator : VA/AP  
 Sample : VD0326SBS01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 12:02:28 PM

Quant Time: Mar 27 02:03:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 821001   | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1360145  | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 12.35 | 117  | 1102736  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 487296   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.44   | 65   | 269297   | 38.02 | ug/l   | -0.02    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 76.04% |          |
| 35) Dibromofluoromethane    | 6.91   | 113  | 443330   | 42.60 | ug/l   | -0.03    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 85.20% |          |
| 50) Toluene-d8              | 10.39  | 98   | 1024807  | 40.61 | ug/l   | -0.02    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 81.22% |          |
| 62) 4-Bromofluorobenzene    | 13.54  | 95   | 407087   | 41.35 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 82.70% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85   | 165320   | 19.695  | ug/l  | 98     |
| 3) Chloromethane              | 1.75 | 50   | 130379   | 19.911  | ug/l  | 98     |
| 4) Vinyl Chloride             | 1.85 | 62   | 113324   | 18.509  | ug/l  | 99     |
| 5) Bromomethane               | 2.14 | 94   | 19737    | 15.883  | ug/l  | 97     |
| 6) Chloroethane               | 2.25 | 64   | 30731    | 15.955  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 2.52 | 101  | 161870   | 17.886  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.87 | 74   | 55822    | 20.745  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101  | 174782   | 18.974  | ug/l  | 97     |
| 10) Methyl Iodide             | 3.31 | 142  | 209919   | 16.312  | ug/l  | 97     |
| 11) Tert butyl alcohol        | 4.05 | 59   | 37006    | 98.142  | ug/l  | 98     |
| 12) 1,1-Dichloroethene        | 3.12 | 96   | 162162   | 20.459  | ug/l  | 99     |
| 13) Acrolein                  | 3.03 | 56   | 42789    | 103.672 | ug/l  | 99     |
| 14) Allyl chloride            | 3.61 | 41   | 222994   | 19.832  | ug/l  | 97     |
| 15) Acrylonitrile             | 4.19 | 53   | 149045   | 112.395 | ug/l  | 97     |
| 16) Acetone                   | 3.22 | 43   | 150213   | 88.658  | ug/l  | 94     |
| 17) Carbon Disulfide          | 3.38 | 76   | 488187   | 18.545  | ug/l  | 100    |
| 18) Methyl Acetate            | 3.63 | 43   | 71687    | 22.384  | ug/l  | 98     |
| 19) Methyl tert-butyl Ether   | 4.23 | 73   | 291810   | 20.905  | ug/l  | 98     |
| 20) Methylene Chloride        | 3.81 | 84   | 189496   | 19.706  | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene  | 4.21 | 96   | 175059   | 19.742  | ug/l  | 94     |
| 22) Diisopropyl ether         | 5.11 | 45   | 463695   | 19.577  | ug/l  | 99     |
| 23) Vinyl Acetate             | 5.05 | 43   | 1277440  | 100.978 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 4.97 | 63   | 263931   | 19.121  | ug/l  | 98     |
| 25) 2-Butanone                | 6.05 | 43   | 204485   | 104.345 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 6.01 | 77   | 216059   | 18.434  | ug/l  | 96     |
| 27) cis-1,2-Dichloroethene    | 6.02 | 96   | 183670   | 19.248  | ug/l  | 96     |
| 28) Bromochloromethane        | 6.43 | 49   | 111726   | 19.338  | ug/l  | 98     |
| 29) Tetrahydrofuran           | 6.45 | 42   | 104447   | 107.077 | ug/l  | 98     |
| 30) Chloroform                | 6.65 | 83   | 271308   | 18.445  | ug/l  | 97     |
| 31) Cyclohexane               | 6.94 | 56   | 214967   | 19.188  | ug/l  | 96     |
| 32) 1,1,1-Trichloroethane     | 6.86 | 97   | 233824   | 17.949  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 7.13 | 75   | 210779   | 18.941  | ug/l  | 97     |
| 37) Ethyl Acetate             | 6.17 | 43   | 96643m   | 20.792  | ug/l  |        |
| 38) Carbon Tetrachloride      | 7.11 | 117  | 231481   | 18.200  | ug/l  | 97     |

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 Sample : VD0326SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0326SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 12:02:28 PM

Quant Time: Mar 27 02:03:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 26 03:31:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.85  | 83   | 224120   | 19.446  | ug/l   | 99       |
| 40) Benzene                    | 7.44  | 78   | 517167   | 18.713  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.43  | 41   | 112179   | 20.769  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 7.57  | 62   | 161692   | 18.772  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 9.23  | 43   | 132394   | 19.755  | ug/l # | 96       |
| 44) Trichloroethene            | 8.53  | 130  | 198011   | 19.811  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.93  | 63   | 132854   | 19.477  | ug/l   | 97       |
| 46) Dibromomethane             | 9.05  | 93   | 91370    | 19.542  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.36  | 83   | 211913   | 19.337  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.10  | 41   | 77860    | 21.766  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.07  | 88   | 18434    | 469.687 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 10.29 | 43   | 422619   | 105.930 | ug/l   | 97       |
| 52) Toluene                    | 10.49 | 92   | 316596   | 18.722  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.90 | 75   | 193500   | 20.317  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.03 | 75   | 233744   | 20.099  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 11.18 | 97   | 110849   | 19.744  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.03 | 69   | 126079   | 21.045  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 11.40 | 76   | 168059   | 19.821  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.84  | 63   | 312094   | 100.136 | ug/l   | 100      |
| 59) 2-Hexanone                 | 11.52 | 43   | 309119   | 106.680 | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.67 | 129  | 175821   | 19.995  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.79 | 107  | 139524   | 21.269  | ug/l   | 99       |
| 64) Tetrachloroethene          | 11.24 | 164  | 158454   | 20.859  | ug/l   | 95       |
| 65) Chlorobenzene              | 12.39 | 112  | 418531   | 20.606  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.50 | 131  | 165977   | 21.077  | ug/l   | 94       |
| 67) Ethyl Benzene              | 12.51 | 91   | 675671   | 21.737  | ug/l   | 98       |
| 68) m/p-Xylenes                | 12.66 | 106  | 496305   | 40.902  | ug/l   | 100      |
| 69) o-Xylene                   | 13.04 | 106  | 238432   | 21.187  | ug/l   | 100      |
| 70) Styrene                    | 13.06 | 104  | 389605   | 20.399  | ug/l   | 98       |
| 71) Bromoform                  | 13.23 | 173  | 98623    | 20.466  | ug/l   | 97       |
| 73) Isopropylbenzene           | 13.40 | 105  | 663984   | 20.949  | ug/l   | 99       |
| 74) N-amyl acetate             | 13.26 | 43   | 166533   | 20.083  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 129602   | 21.086  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 13.72 | 75   | 127055   | 20.966  | ug/l   | 98       |
| 77) Bromobenzene               | 13.66 | 156  | 180488   | 20.387  | ug/l   | 97       |
| 78) n-propylbenzene            | 13.76 | 91   | 733995   | 20.527  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.83 | 91   | 422808   | 20.308  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 14.23 | 105  | 532356   | 21.291  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.47 | 75   | 38116    | 19.930  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.94 | 91   | 466349   | 20.489  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 14.18 | 119  | 571082   | 20.004  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 532356   | 21.291  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 14.36 | 105  | 650076   | 20.447  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 14.48 | 119  | 535971   | 18.896  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 309798   | 19.742  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.53 | 146  | 285578   | 18.787  | ug/l   | 98       |
| 89) n-Butylbenzene             | 14.79 | 91   | 512960   | 20.369  | ug/l   | 96       |
| 90) Hexachloroethane           | 15.00 | 117  | 148124   | 19.477  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 265421   | 21.197  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 15490    | 20.168  | ug/l   | 89       |

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Acq On : 26 Mar 2019 17:08  
Operator : VA/AP  
Sample : VD0326SBSD01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

Manual Integrations  
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MMDadoda  
3/27/2019 12:02:28 PM

Quant Time: Mar 27 02:03:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 03:31:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 132840   | 22.971 | µg/l  | 99       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 93713    | 20.111 | µg/l  | 100      |
| 95) Naphthalene            | 16.11 | 128  | 214796   | 25.456 | µg/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.26 | 180  | 64545    | 23.897 | µg/l  | 95       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

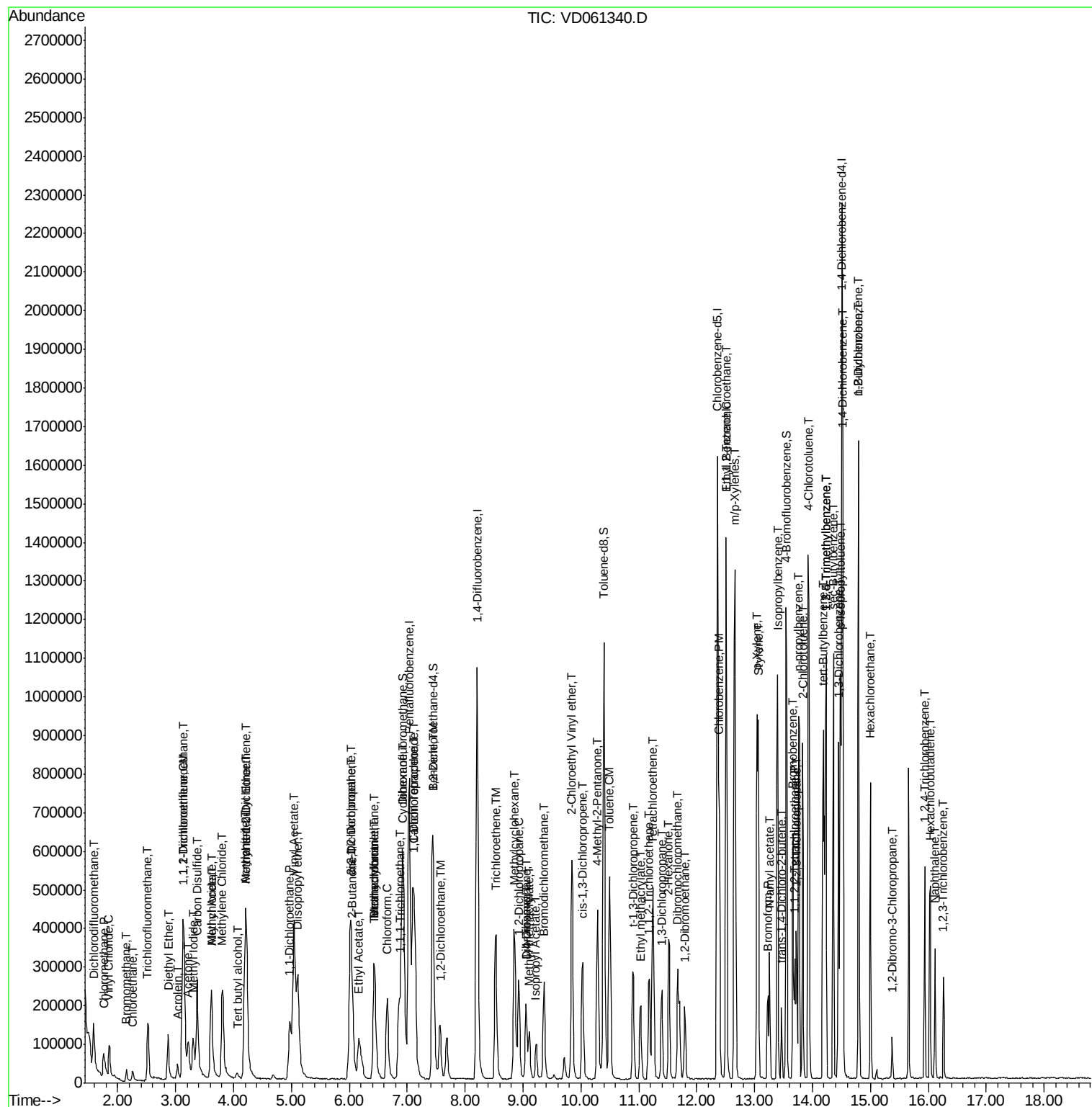
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Data File : VD061340.D  
Acq On : 26 Mar 2019 17:08  
Operator : VA/AP  
Sample : VD0326SBSD01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 10 Sample Multiplier: 1

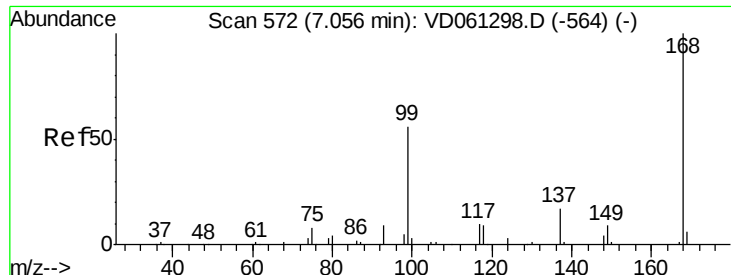
Instrument :  
MSVOA\_D  
ClientSampleID :  
VD0326SBSD01

Manual Integrations  
APPROVED

MMDadoda  
3/27/2019 12:02:28 PM

Quant Time: Mar 27 02:03:28 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D032519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 26 03:31:57 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion:168 Resp: 821001

Ion Ratio Lower Upper

168 100

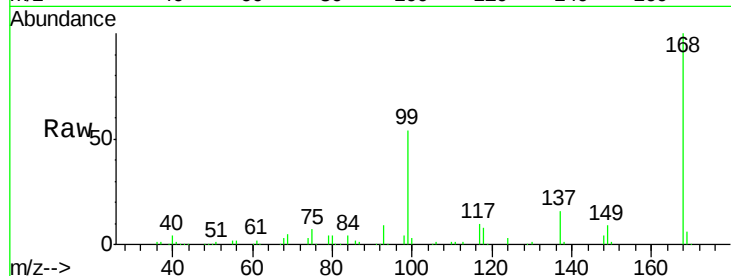
99 53.7 45.8 68.8

Manual Integrations

APPROVED

MMDadoda

3/27/2019 12:02:28 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

250000

200000

150000

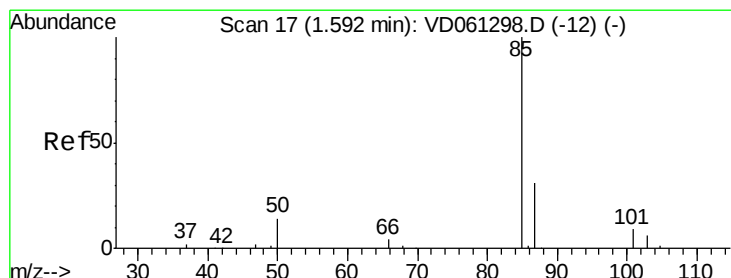
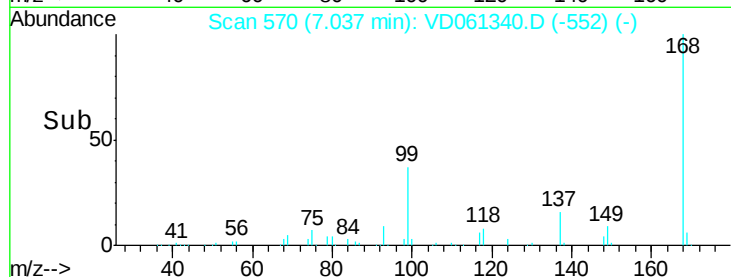
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 19.695 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061340.D

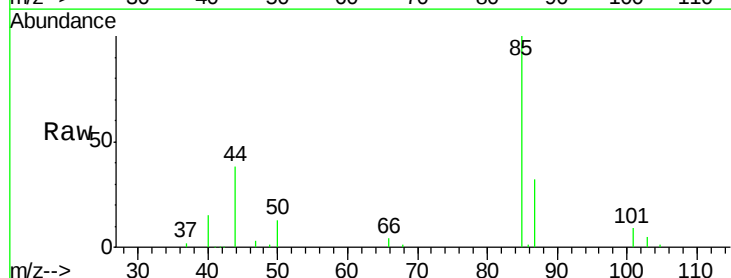
Acq: 26 Mar 2019 17:08

Tgt Ion: 85 Resp: 165320

Ion Ratio Lower Upper

85 100

87 31.9 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

60000

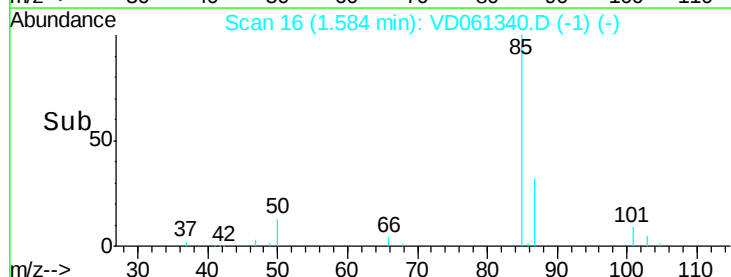
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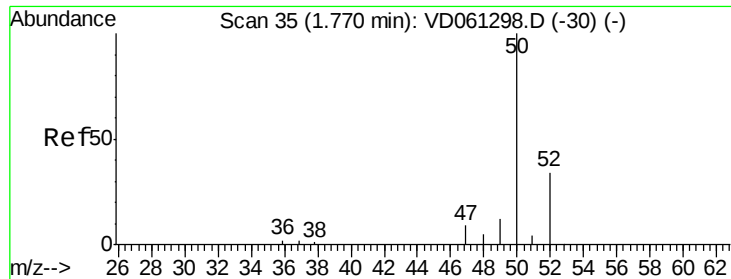
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.911 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 50 Resp: 130379

Ion Ratio Lower Upper

50 100

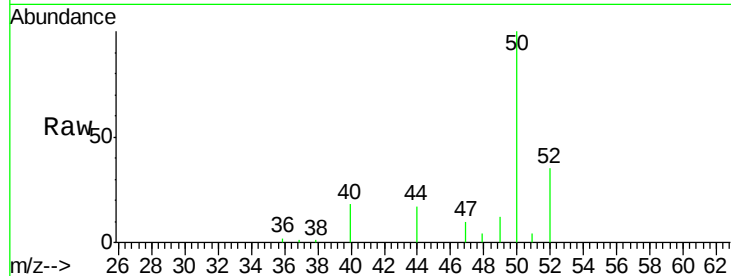
52 34.9 27.1 40.7

Manual Integrations

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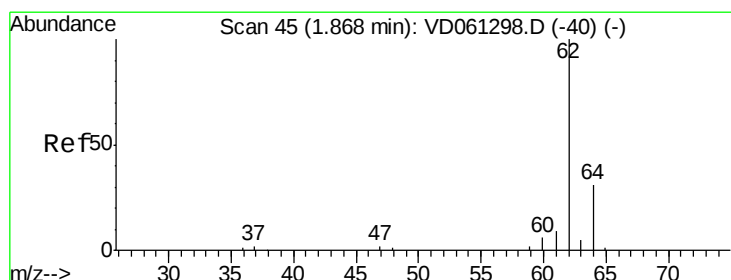
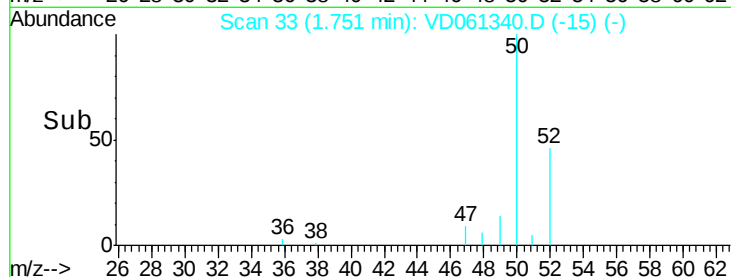
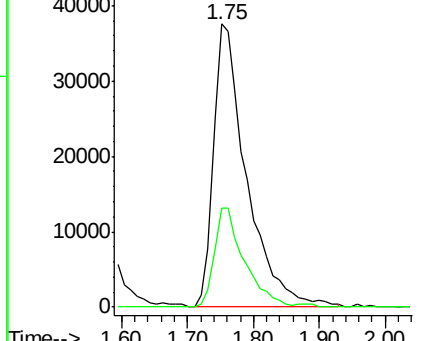
MMDadoda

3/27/2019 12:02:28 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.509 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.02 min

Lab File: VD061340.D

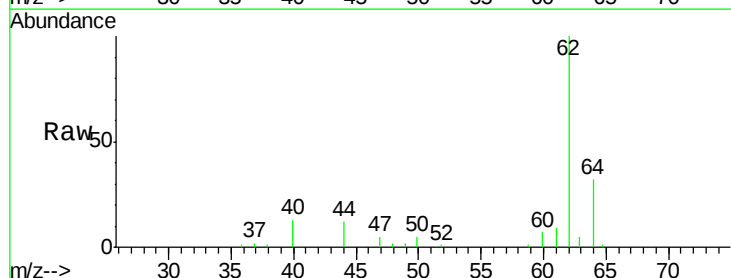
Acq: 26 Mar 2019 17:08

Tgt Ion: 62 Resp: 113324

Ion Ratio Lower Upper

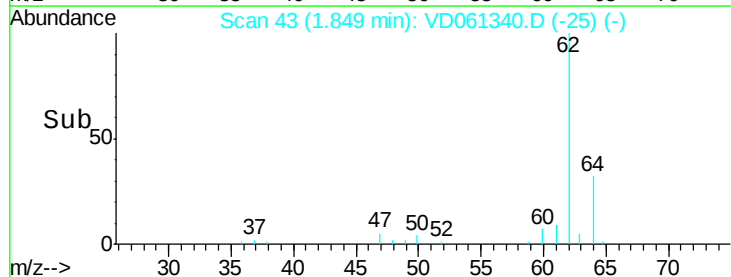
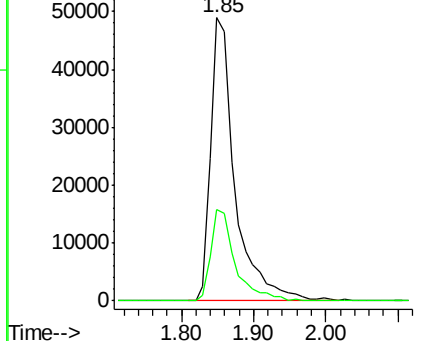
62 100

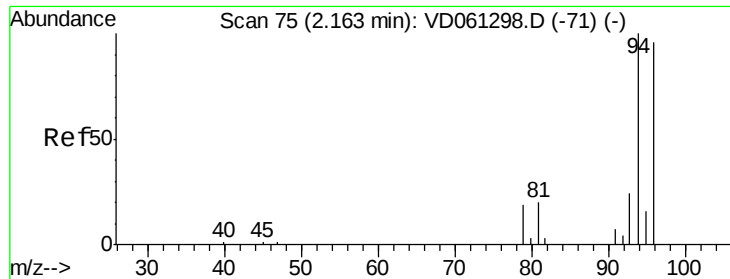
64 32.1 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.883 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

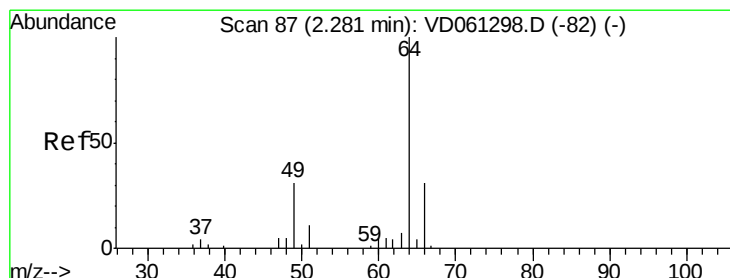
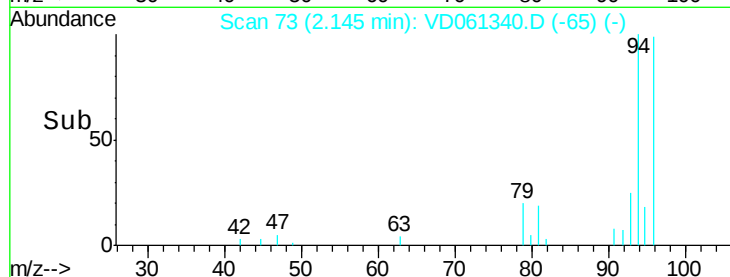
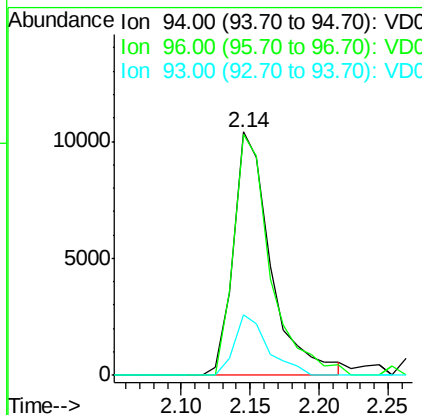
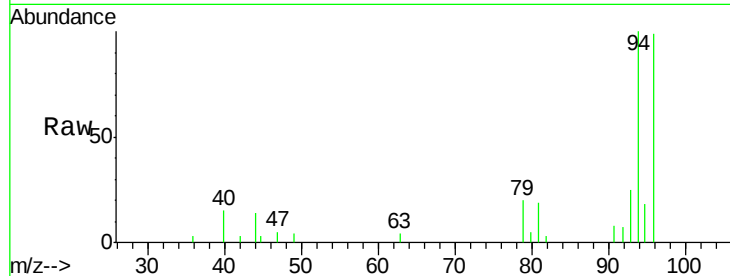
ClientSampleId :

VD0326SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 19737 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 96       | 99.2  | 76.9  | 115.3 |
| 93       | 25.1  | 18.8  | 28.2  |

Manual Integrations  
APPROVED

MMDadoda  
3/27/2019 12:02:28 PM



#6

Chloroethane

Concen: 15.955 ug/l

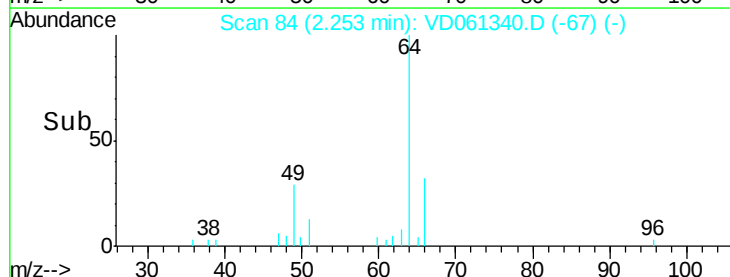
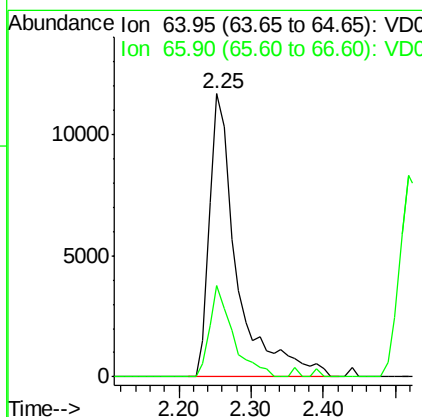
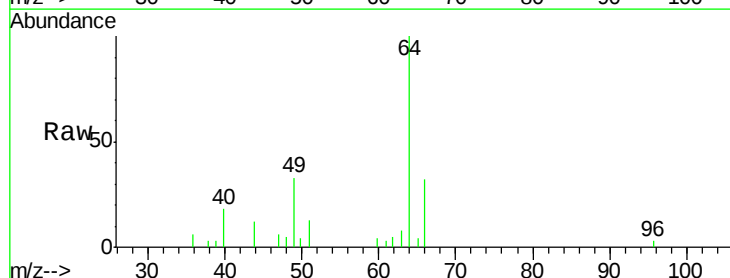
RT: 2.25 min Scan# 84

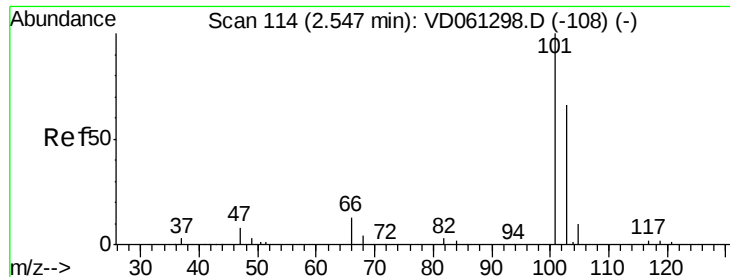
Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 64    | Resp: | 30731 |
| Ion      | Ratio | Lower | Upper |
| 64       | 100   |       |       |
| 66       | 32.4  | 24.6  | 36.8  |





#7

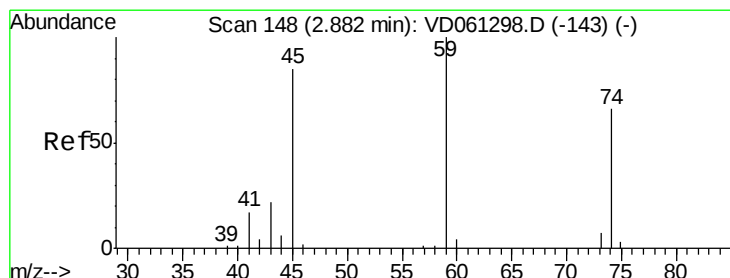
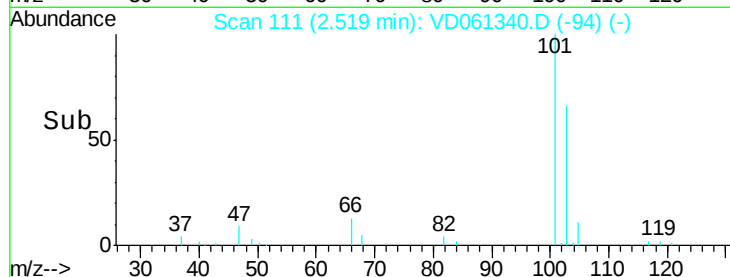
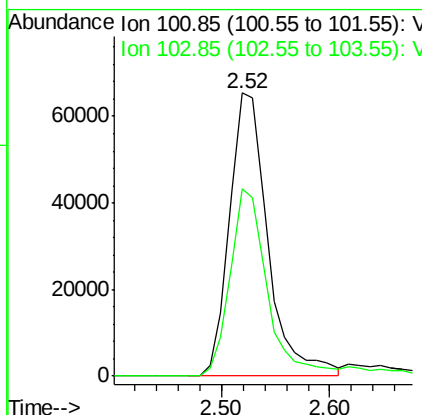
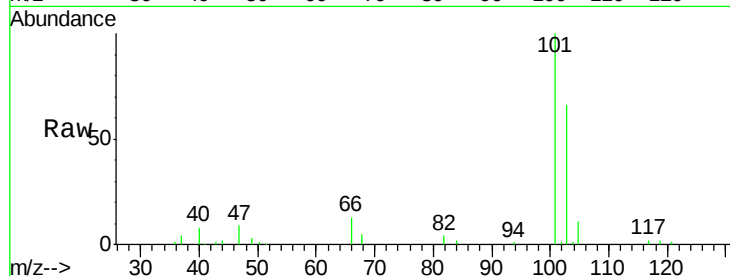
Trichlorofluoromethane  
 Concen: 17.886 ug/l  
 RT: 2.52 min Scan# 111  
 Delta R.T. -0.03 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0326SBS01

Tot Ion:101 Resp: 161870  
 Ion Ratio Lower Upper  
 101 100  
 103 66.1 52.6 79.0

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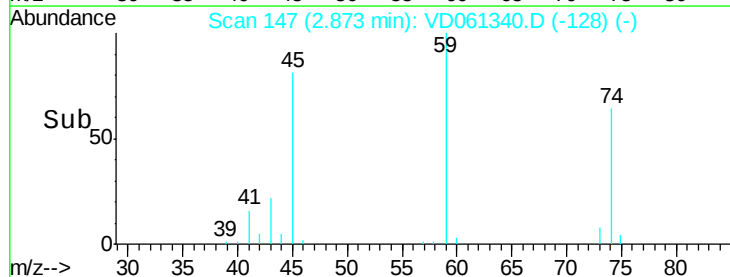
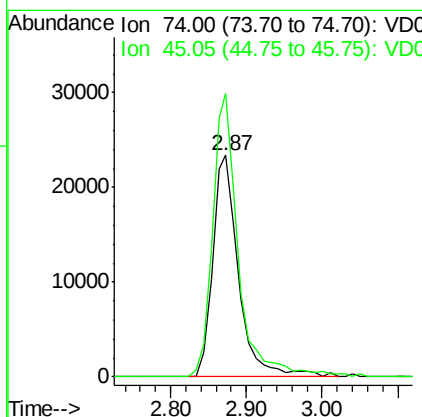
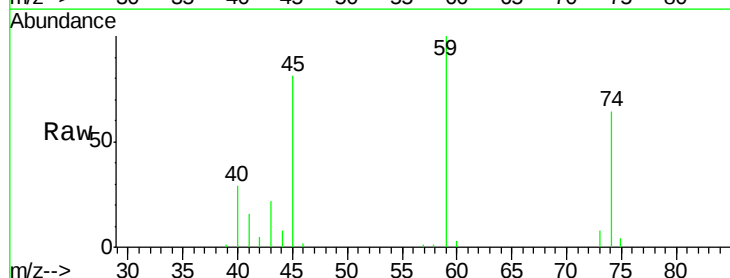
MMDadoda  
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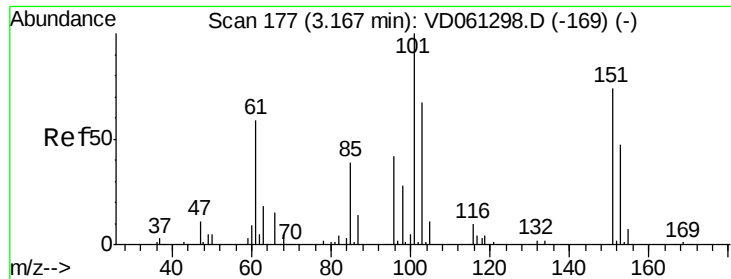


#8

Diethyl Ether  
 Concen: 20.745 ug/l  
 RT: 2.87 min Scan# 147  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Tgt Ion: 74 Resp: 55822  
 Ion Ratio Lower Upper  
 74 100  
 45 127.6 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.974 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

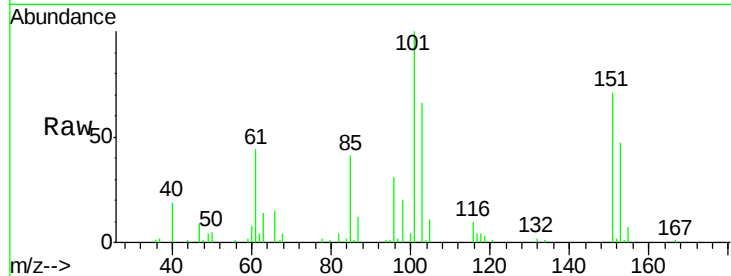
ClientSampleId :

VD0326SBS01

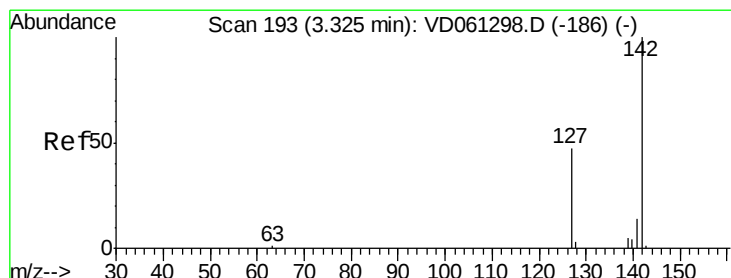
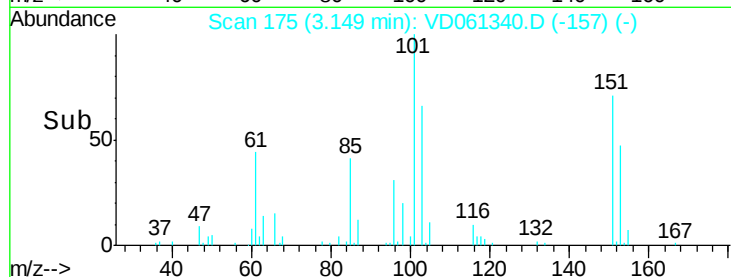
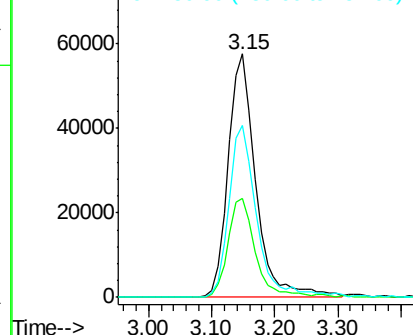
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 174782 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.9  | 31.6  | 47.4   |
| 151       | 70.6  | 59.3  | 88.9   |

Manual Integrations  
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Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 84.95 (84.65 to 85.65): V  
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.312 ug/l

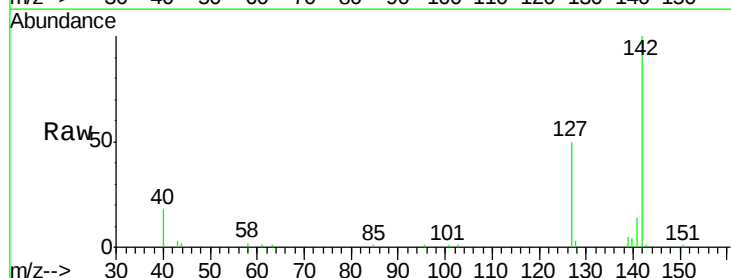
RT: 3.31 min Scan# 191

Delta R.T. -0.02 min

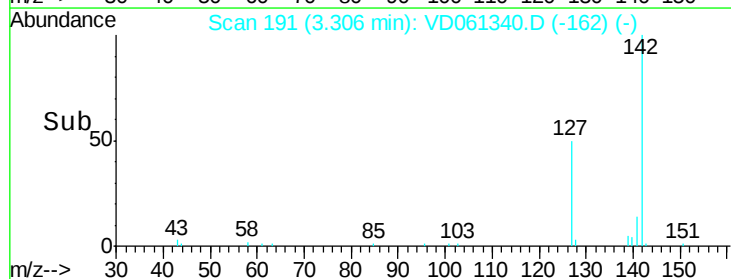
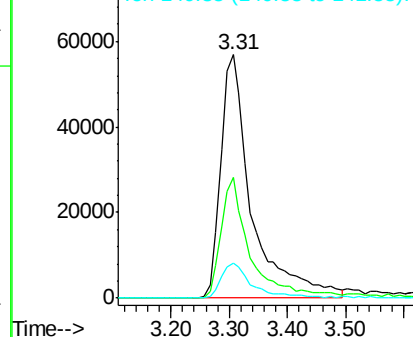
Lab File: VD061340.D

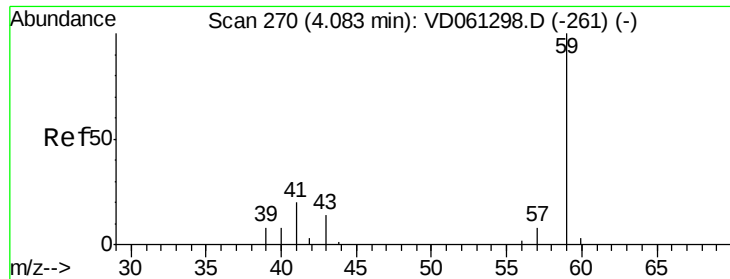
Acq: 26 Mar 2019 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 209919 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 49.7  | 37.8  | 56.6   |
| 141       | 14.3  | 11.6  | 17.4   |



Abundance Ion 141.85 (141.55 to 142.55): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.85 (140.55 to 141.55): V





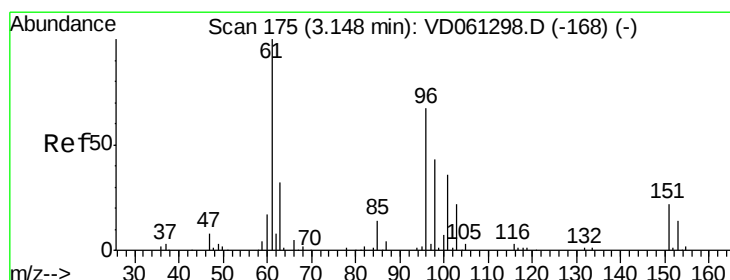
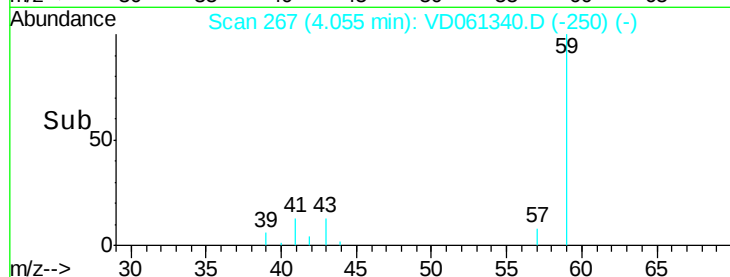
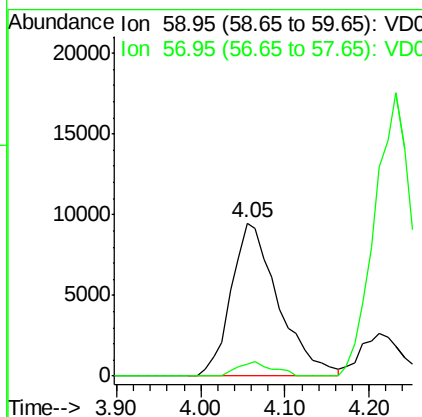
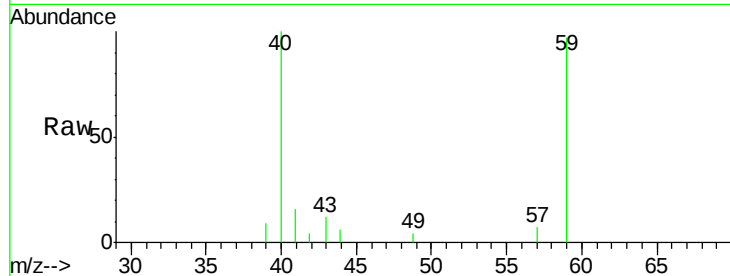
#11  
Tert butyl alcohol  
Concen: 98.142 ug/l  
RT: 4.05 min Scan# 267  
Delta R.T. -0.03 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

Tot Ion: 59 Resp: 37006  
Ion Ratio Lower Upper  
59 100  
57 7.6 6.6 9.8

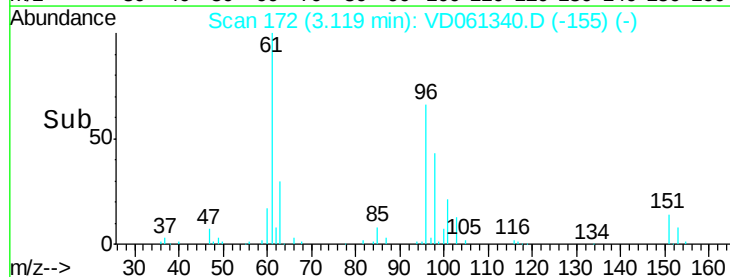
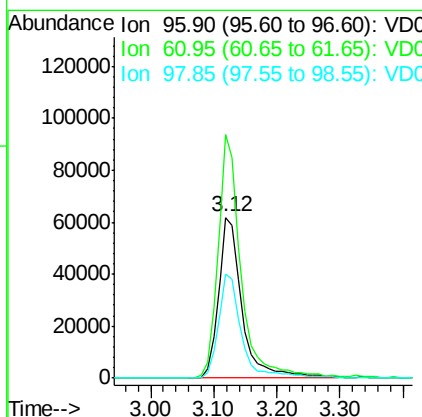
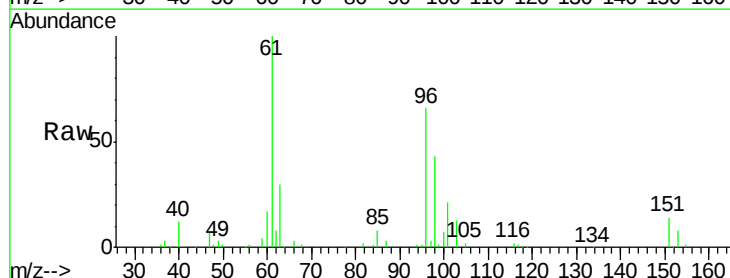
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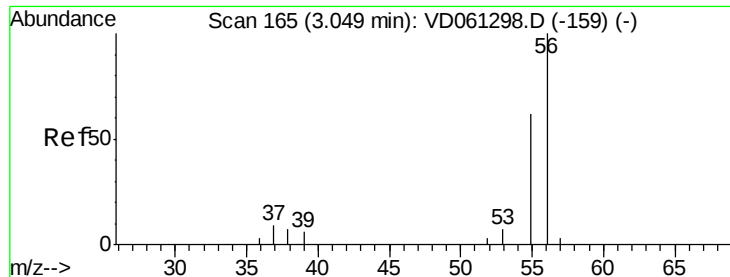
MMDadoda  
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#12  
1,1-Dichloroethene  
Concen: 20.459 ug/l  
RT: 3.12 min Scan# 172  
Delta R.T. -0.03 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 96 Resp: 162162  
Ion Ratio Lower Upper  
96 100  
61 151.3 120.2 180.2  
98 65.0 52.2 78.4





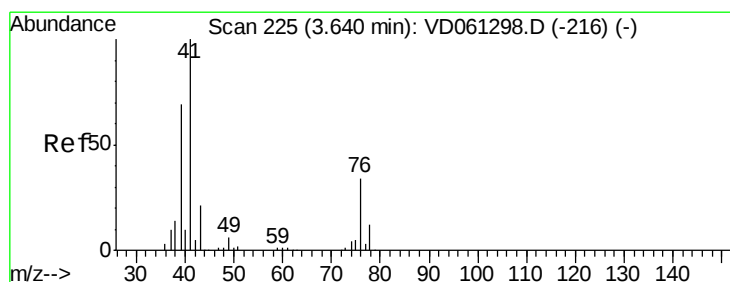
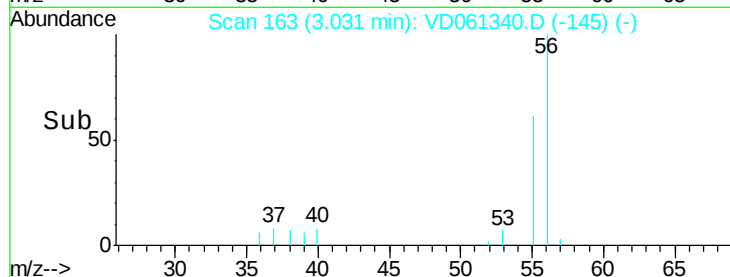
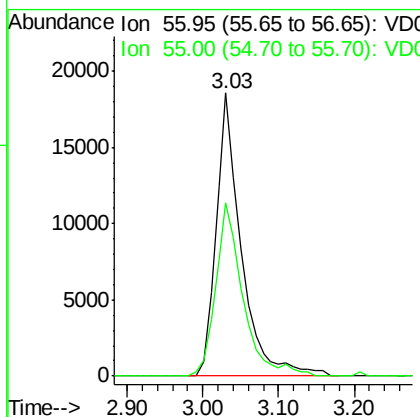
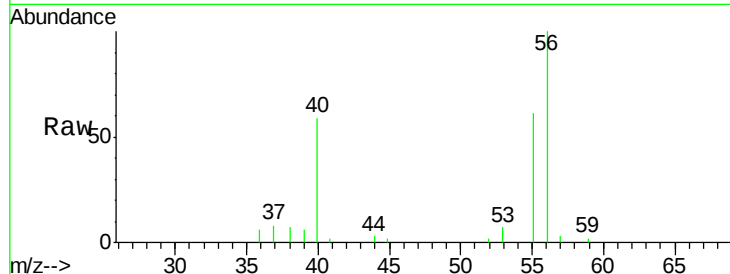
#13  
Acrolein  
Concen: 103.672 ug/l  
RT: 3.03 min Scan# 163  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

Tot Ion: 56 Resp: 42789  
Ion Ratio Lower Upper  
56 100  
55 61.3 49.8 74.6

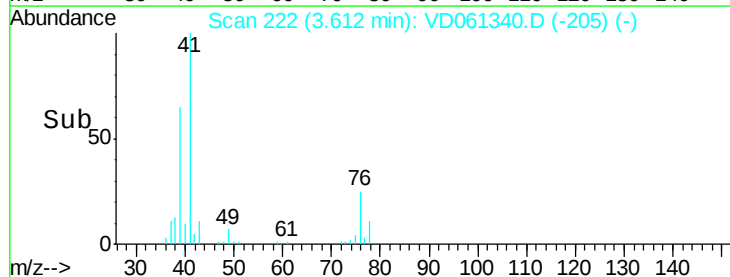
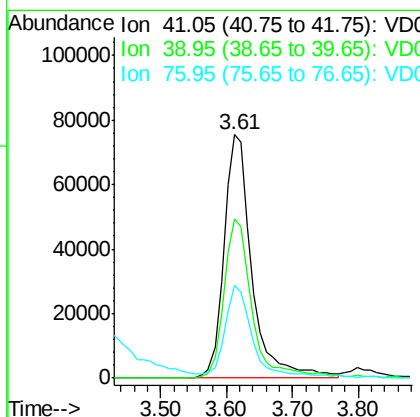
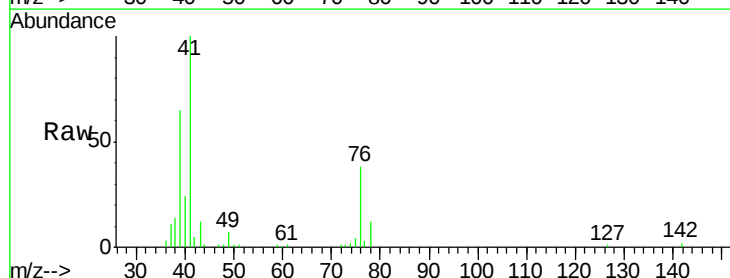
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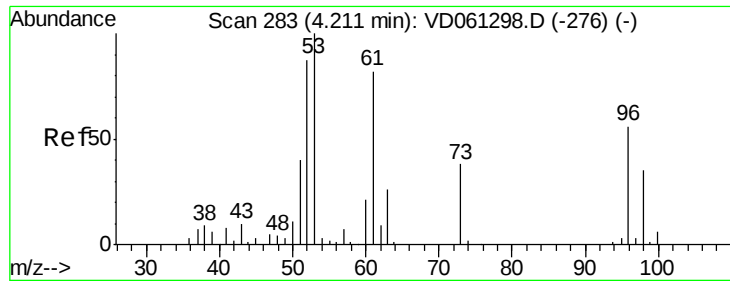
MMDadoda  
3/27/2019 12:02:28 PM



#14  
Allyl chloride  
Concen: 19.832 ug/l  
RT: 3.61 min Scan# 222  
Delta R.T. -0.03 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 41 Resp: 222994  
Ion Ratio Lower Upper  
41 100  
39 65.5 55.1 82.7  
76 38.1 30.2 45.2





#15

Acrylonitrile

Concen: 112.395 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

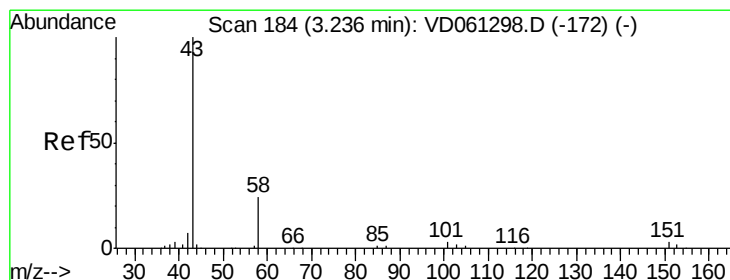
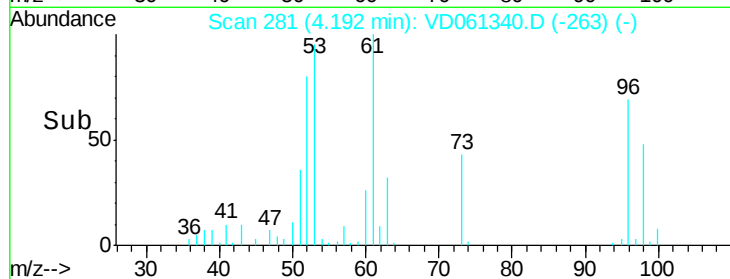
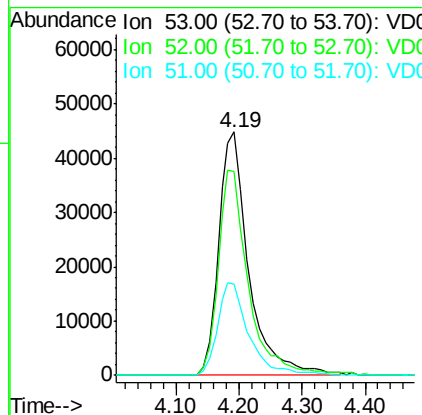
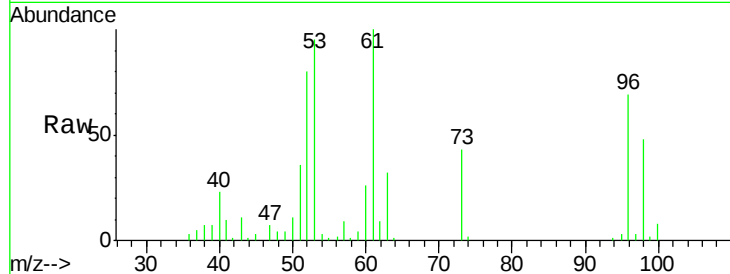
ClientSampleId :

VD0326SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 149045 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.7  | 69.4  | 104.2  |
| 51       | 37.6  | 31.7  | 47.5   |

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#16

Acetone

Concen: 88.658 ug/l

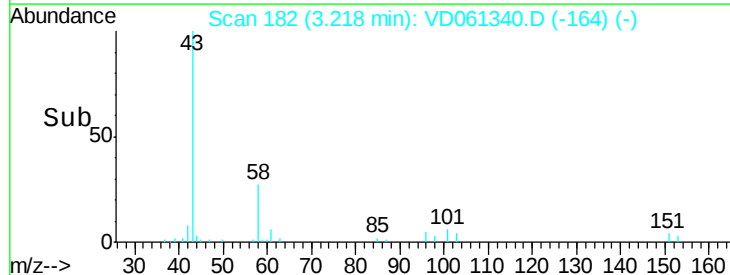
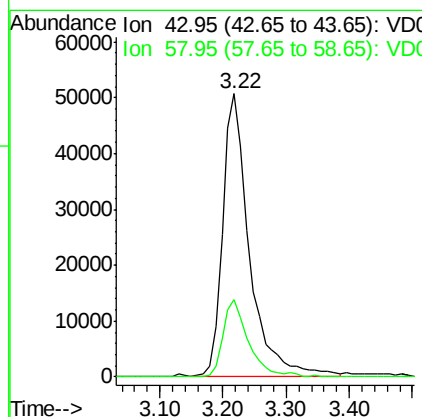
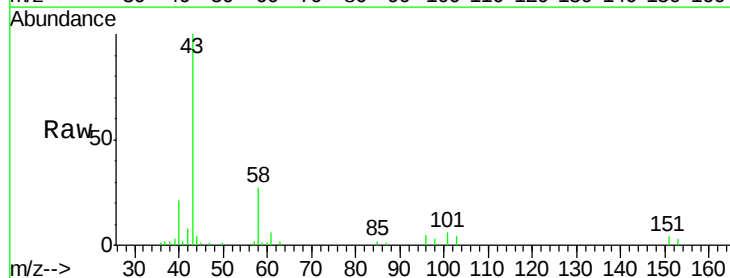
RT: 3.22 min Scan# 182

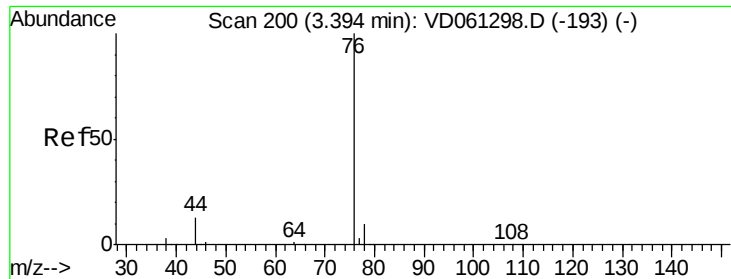
Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 150213 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.2  | 19.4  | 29.0   |





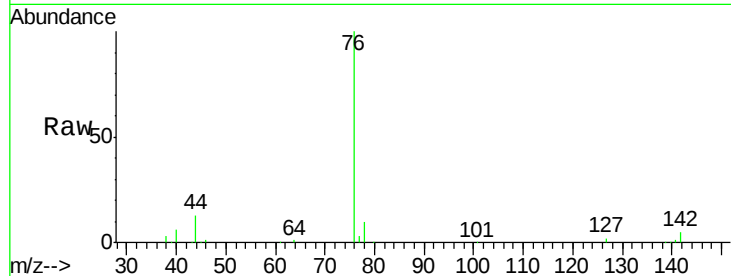
#17  
Carbon Disulfide  
Concen: 18.545 ug/l  
RT: 3.38 min Scan# 198  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

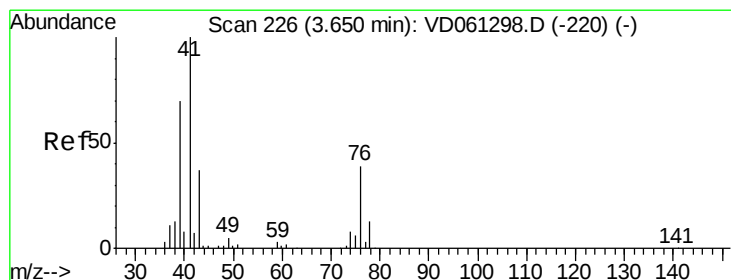
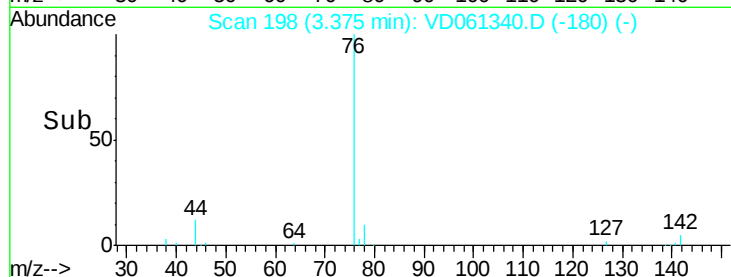
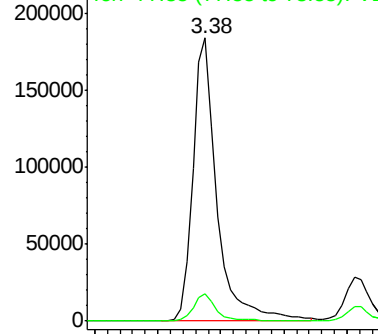
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.7   | 7.8   | 11.6  |

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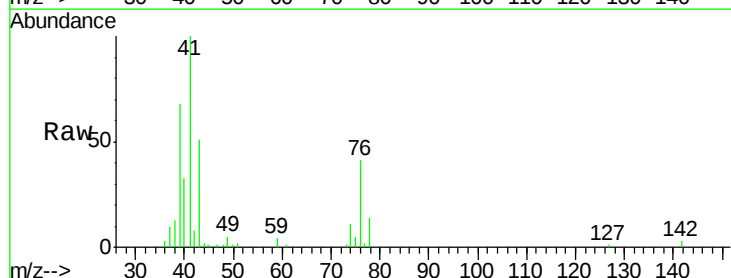


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

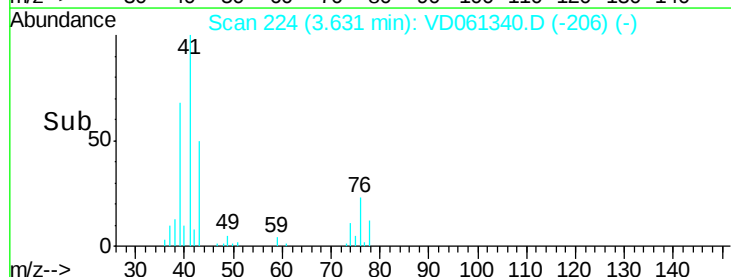
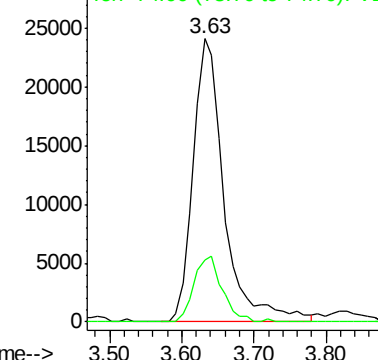


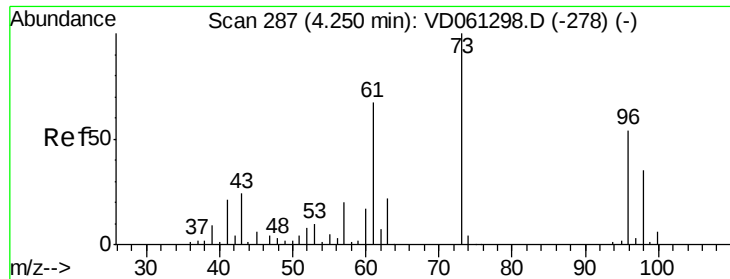
#18  
Methyl Acetate  
Concen: 22.384 ug/l  
RT: 3.63 min Scan# 224  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 21.7  | 16.6  | 25.0  |



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC





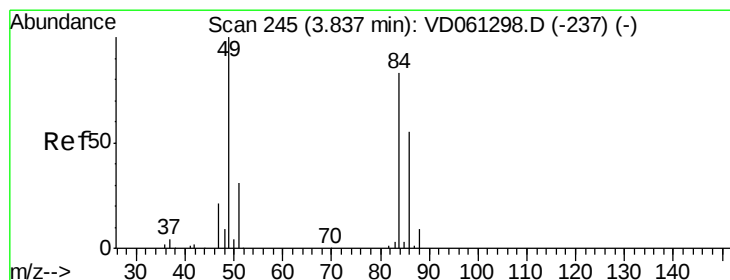
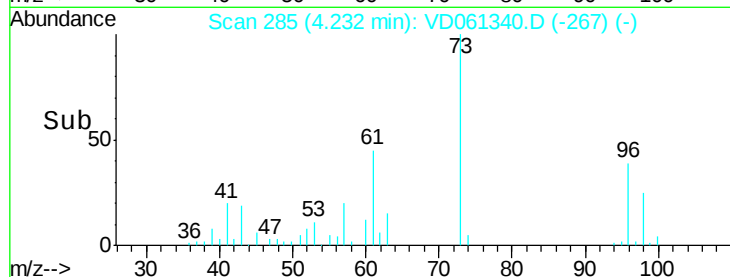
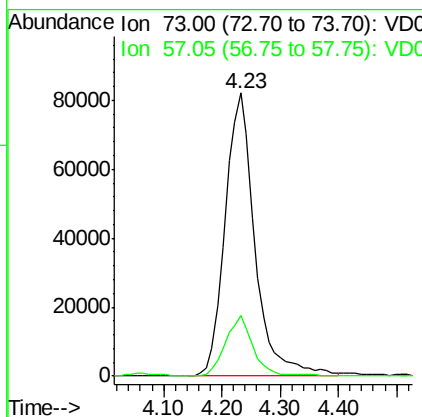
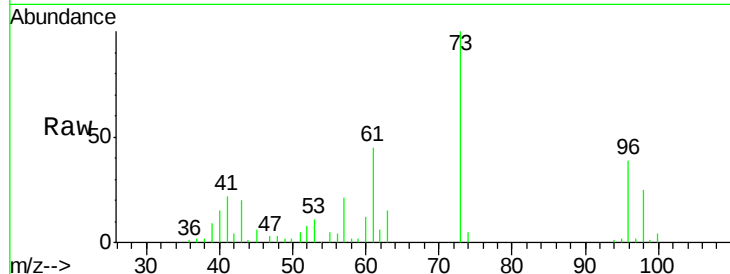
#19  
Methyl tert-butyl Ether  
Concen: 20.905 ug/l  
RT: 4.23 min Scan# 285  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

Tot Ion: 73 Resp: 291810  
Ion Ratio Lower Upper  
73 100  
57 21.4 16.3 24.5

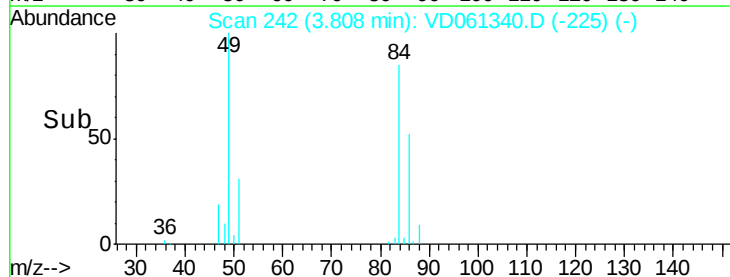
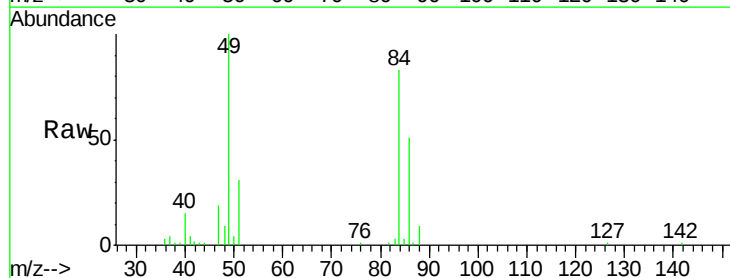
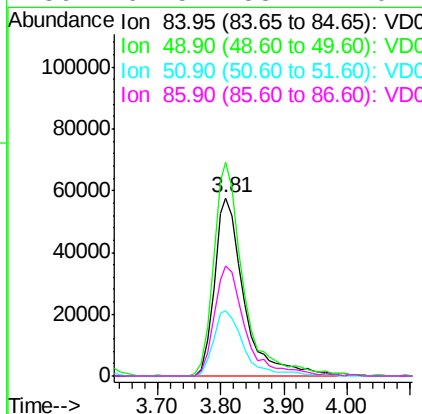
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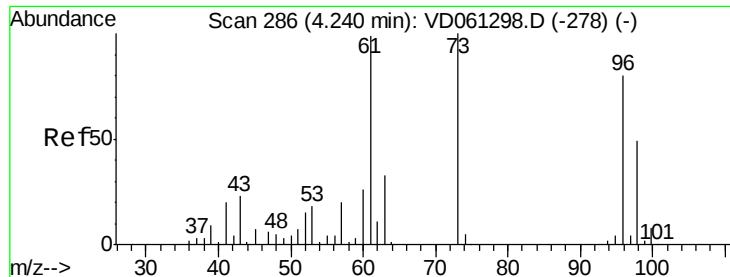
MMDadoda  
3/27/2019 12:02:28 PM



#20  
Methylene Chloride  
Concen: 19.706 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. -0.03 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 84 Resp: 189496  
Ion Ratio Lower Upper  
84 100  
49 119.9 96.8 145.2  
51 36.7 29.9 44.9  
86 61.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 19.742 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 96 Resp: 175059

Ion Ratio Lower Upper

96 100

61 131.2 99.2 148.8

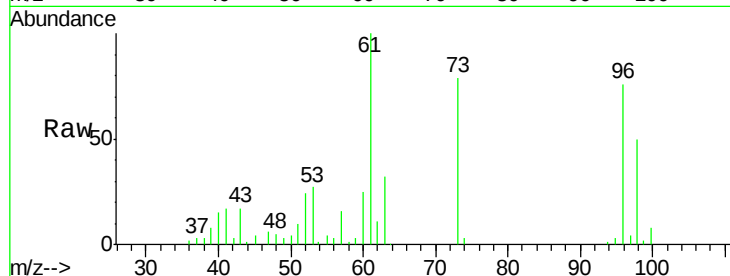
98 65.8 49.2 73.8

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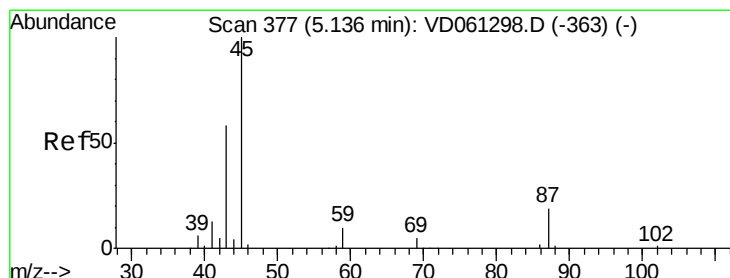
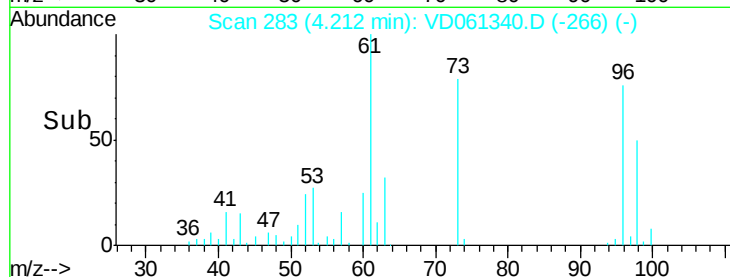
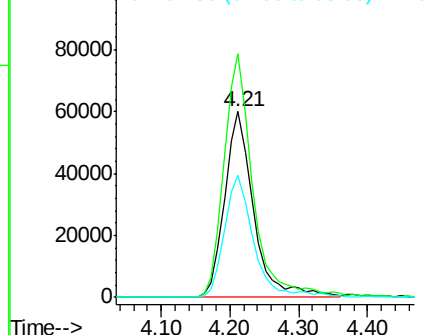
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Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.577 ug/l

RT: 5.11 min Scan# 374

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Tgt Ion: 45 Resp: 463695

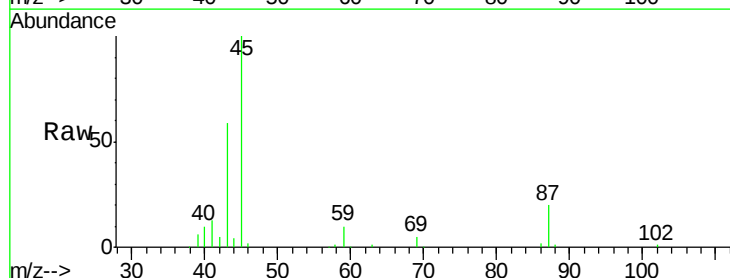
Ion Ratio Lower Upper

45 100

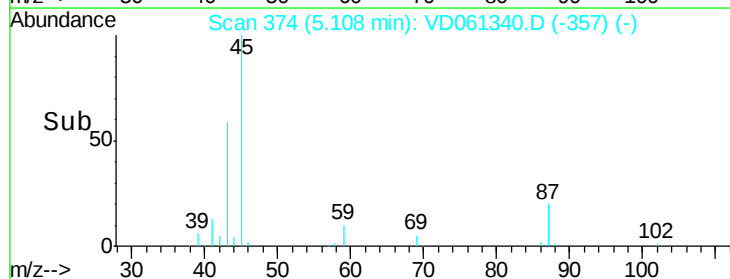
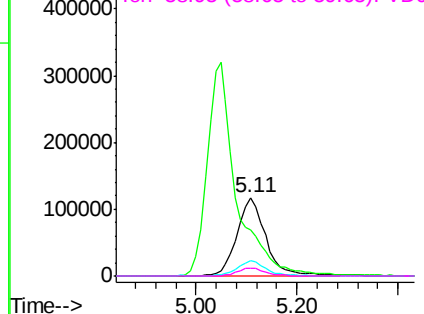
43 58.8 46.7 70.1

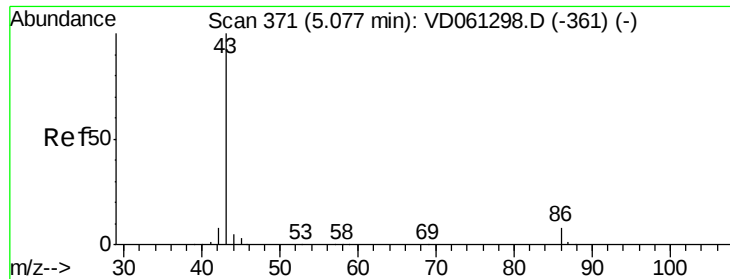
87 19.9 15.5 23.3

59 9.5 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 100.978 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 1277440

Ion Ratio Lower Upper

43 100

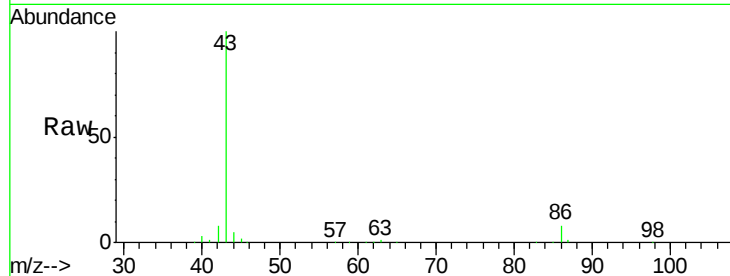
86 8.1 6.3 9.5

Manual Integrations

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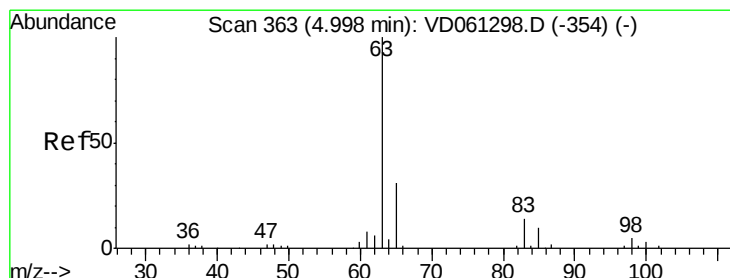
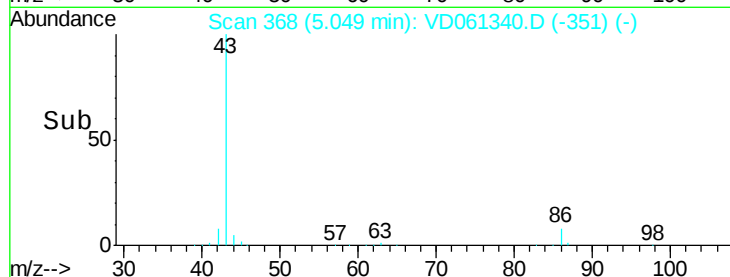
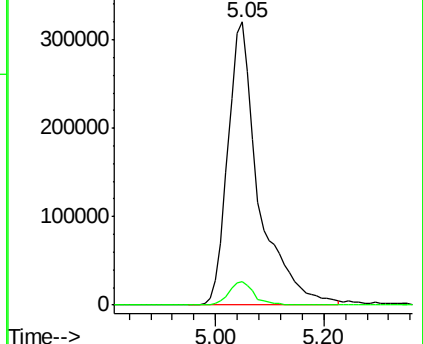
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.121 ug/l

RT: 4.97 min Scan# 360

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

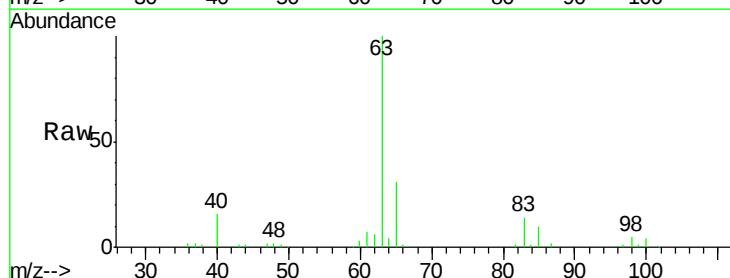
Tgt Ion: 63 Resp: 263931

Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.3

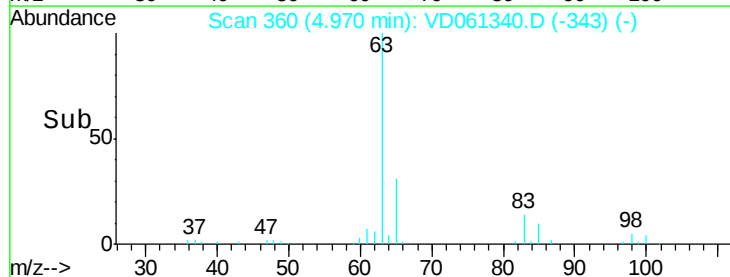
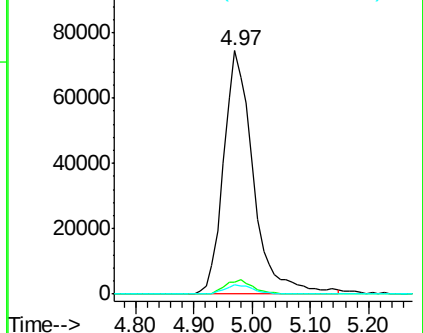
100 3.6 1.6 4.8

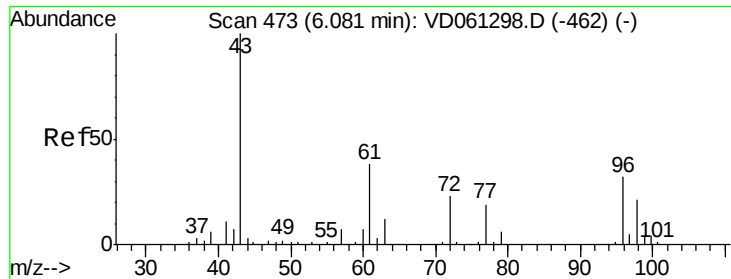


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 104.345 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBSD01

Tot Ion: 43 Resp: 204485

Ion Ratio Lower Upper

43 100

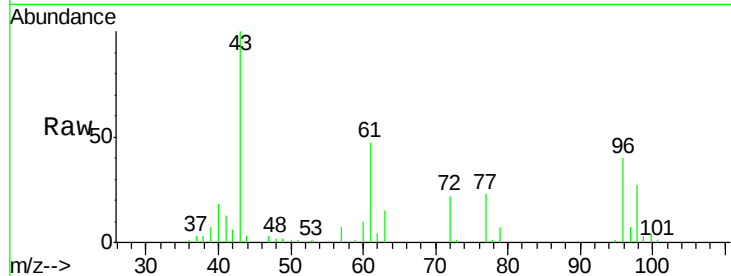
72 22.3 18.5 27.7

Manual Integrations

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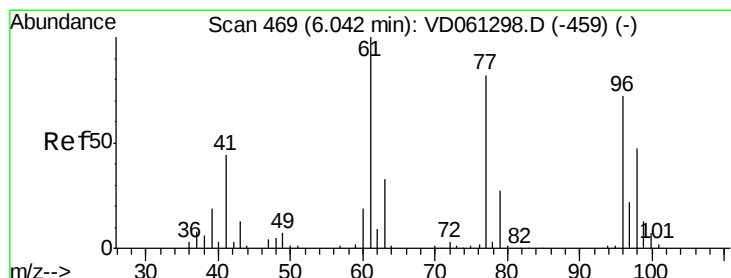
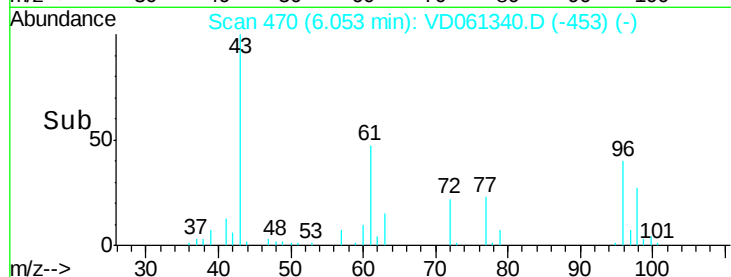
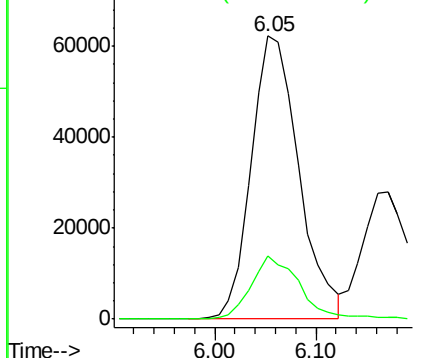
MMDadoda

3/27/2019 12:02:28 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.434 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.03 min

Lab File: VD061340.D

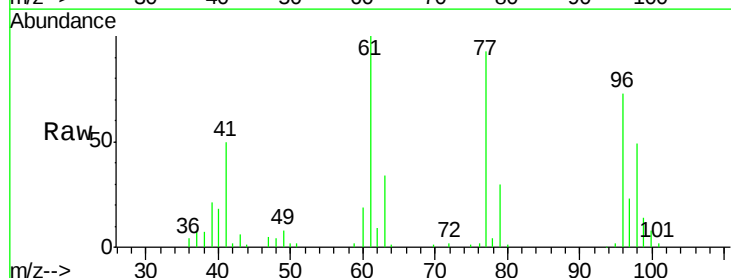
Acq: 26 Mar 2019 17:08

Tgt Ion: 77 Resp: 216059

Ion Ratio Lower Upper

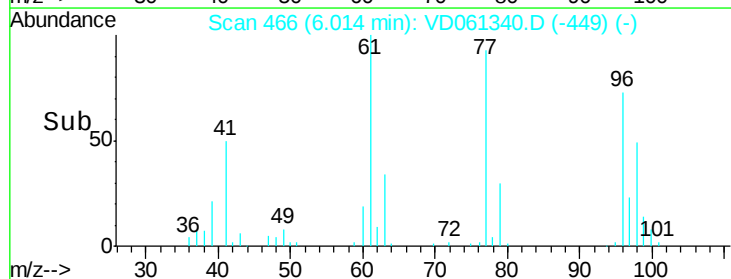
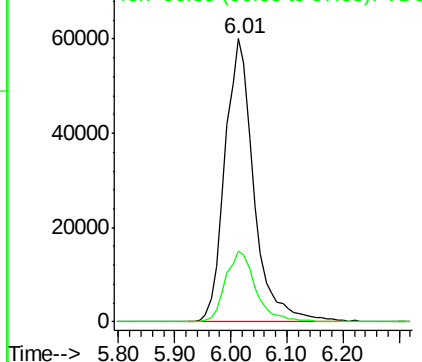
77 100

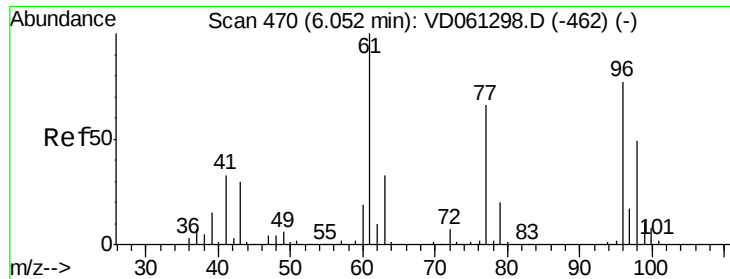
97 25.0 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





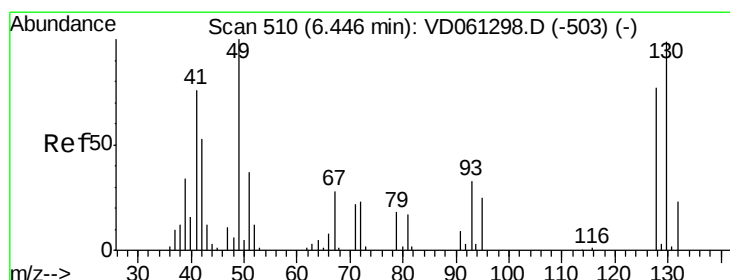
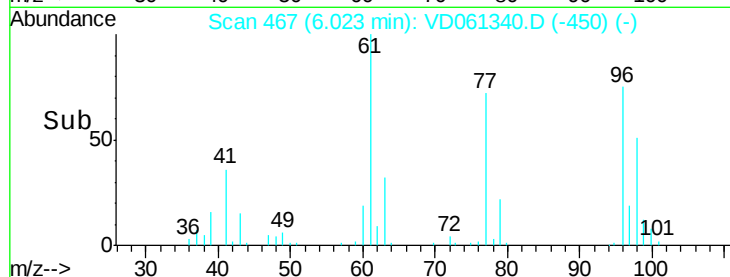
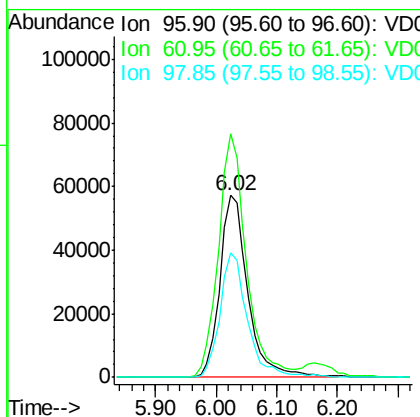
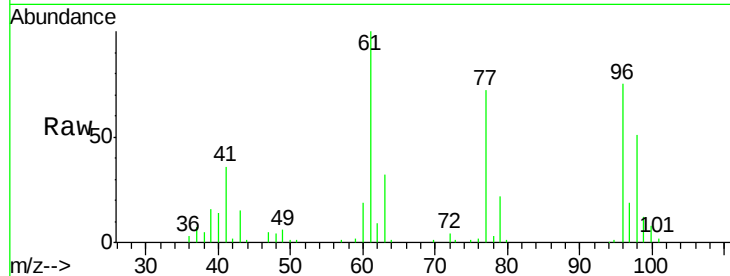
#27  
 cis-1,2-Dichloroethene  
 Concen: 19.248 ug/l  
 RT: 6.02 min Scan# 467  
 Delta R.T. -0.03 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0326SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 183670 |       |       |
| 61      | 134.0 | 0.0    | 261.0 |       |
| 98      | 68.9  | 0.0    | 127.6 |       |

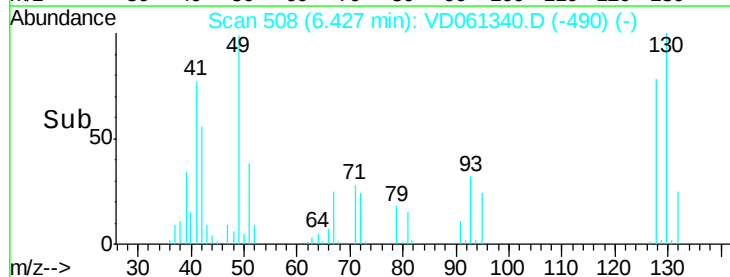
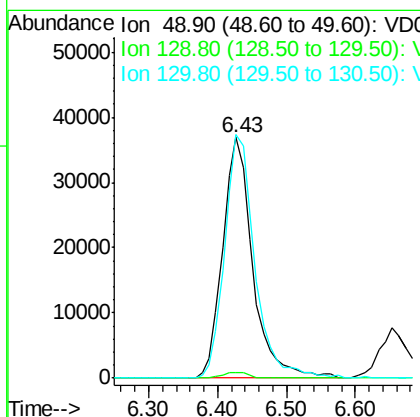
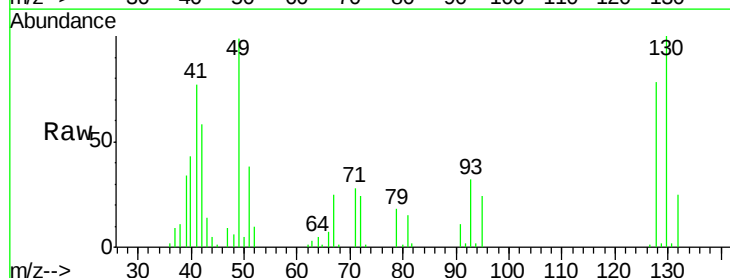
Manual Integrations  
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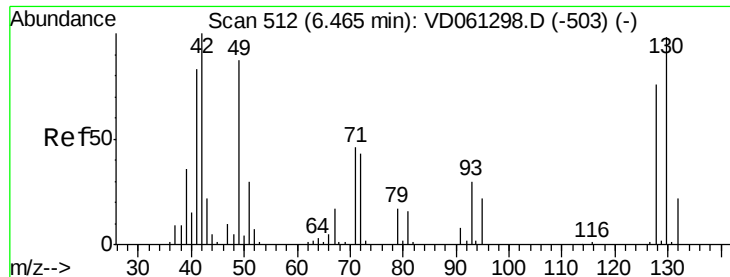
MMDadoda  
 3/27/2019 12:02:28 PM



#28  
 Bromochloromethane  
 Concen: 19.338 ug/l  
 RT: 6.43 min Scan# 508  
 Delta R.T. -0.02 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 111726 |       |       |
| 129     | 2.4   | 0.0    | 5.2   |       |
| 130     | 101.2 | 79.0   | 118.6 |       |





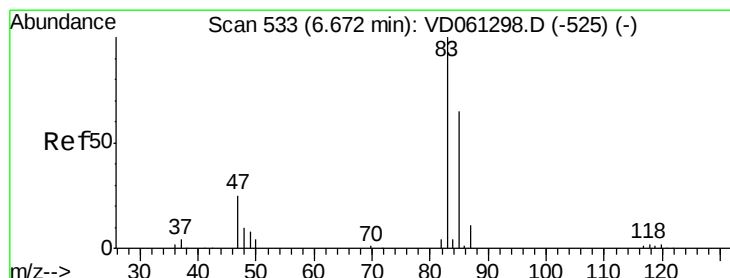
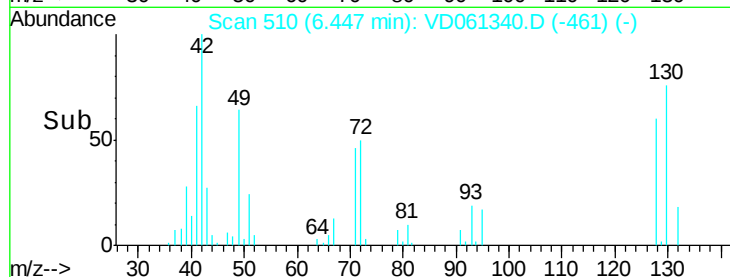
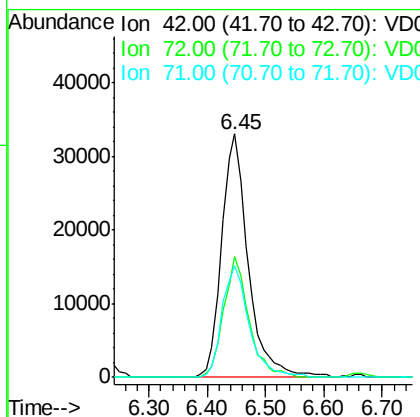
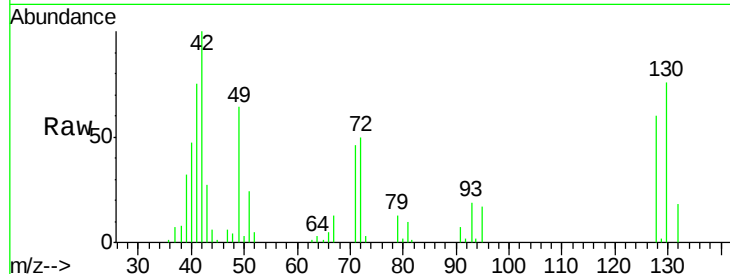
#29  
Tetrahydrofuran  
Concen: 107.077 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 47.0  | 36.6  | 54.8  |
| 71      | 46.5  | 36.3  | 54.5  |

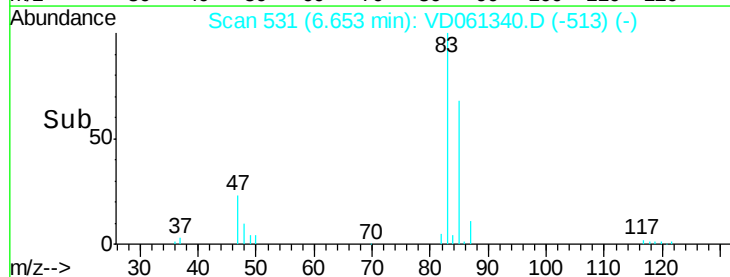
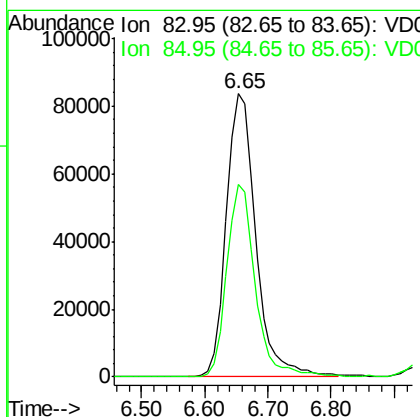
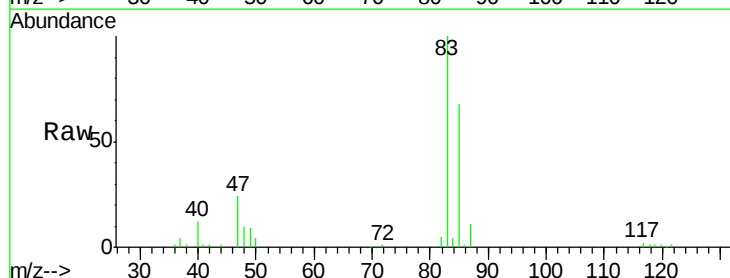
Manual Integrations  
APPROVED

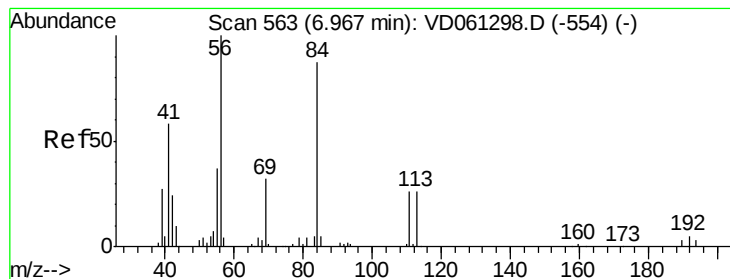
MMDadoda  
3/27/2019 12:02:28 PM



#30  
Chloroform  
Concen: 18.445 ug/l  
RT: 6.65 min Scan# 531  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 68.0  | 52.2  | 78.2  |





#31

Cvclohexane

Concen: 19.188 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

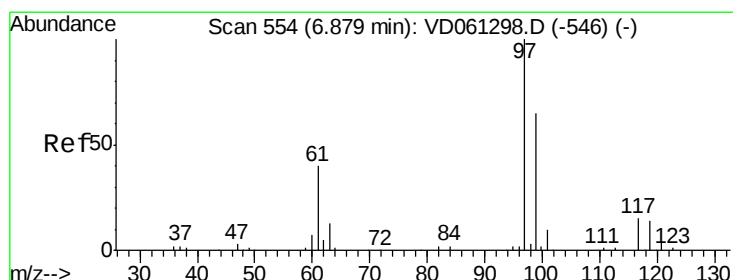
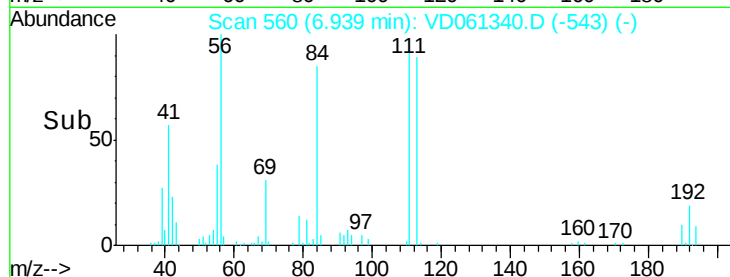
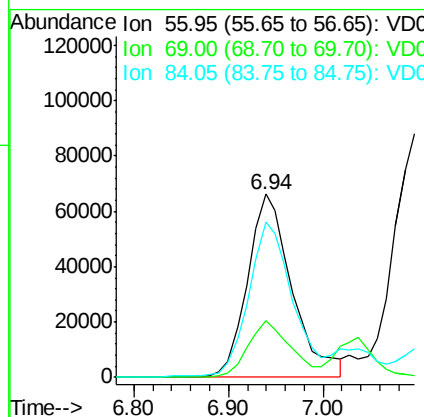
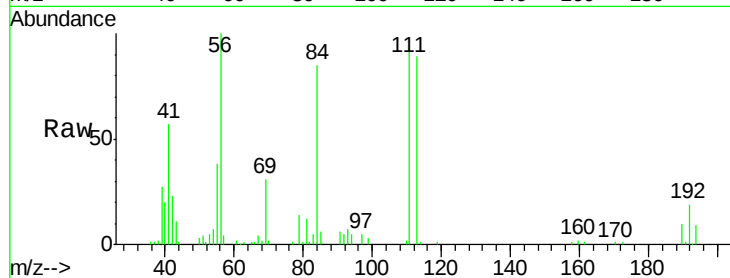
VD0326SBSD01

Tot Ion: 56 Resp: 214967

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.3  | 25.5  | 38.3  |
| 84  | 85.0  | 71.4  | 107.2 |

Manual Integrations  
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3/27/2019 12:02:28 PM



#32

1,1,1-Trichloroethane

Concen: 17.949 ug/l

RT: 6.86 min Scan# 552

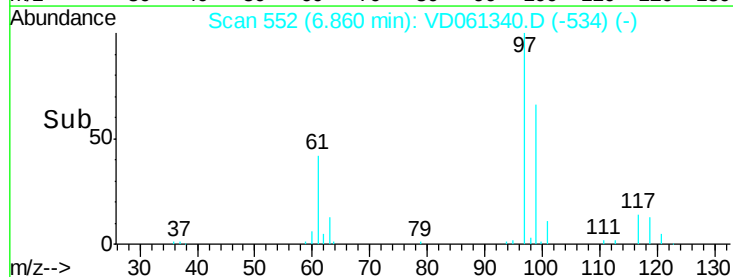
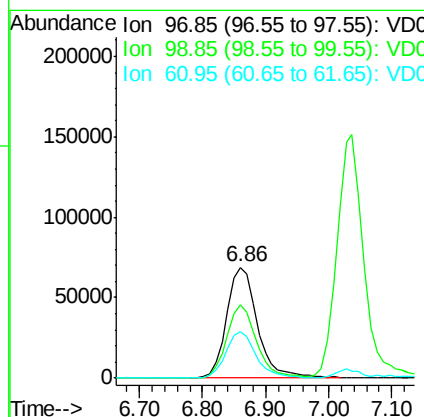
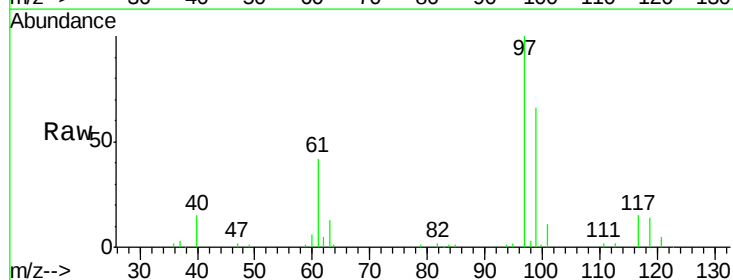
Delta R.T. -0.02 min

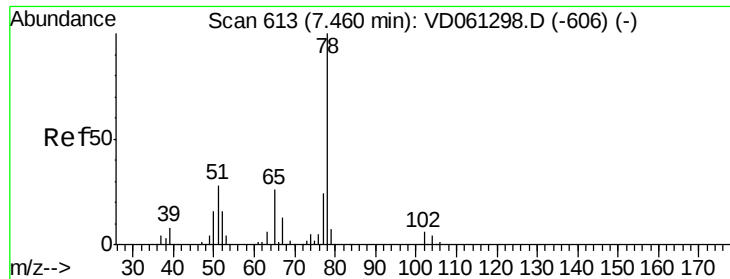
Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Tgt Ion: 97 Resp: 233824

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 66.3  | 51.8  | 77.6  |
| 61  | 41.7  | 31.9  | 47.9  |





#33

1,2-Dichloroethane-d4

Concen: 17.949 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleID :

VD0326SBS01

Tot Ion: 65 Resp: 269297

Ion Ratio Lower Upper

65 100

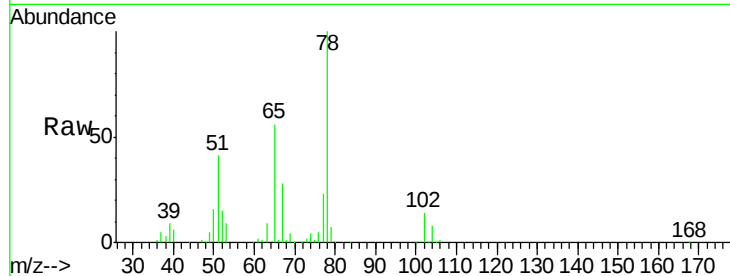
67 50.6 0.0 100.8

Manual Integrations

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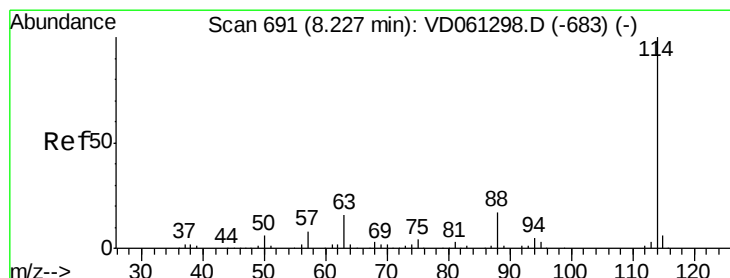
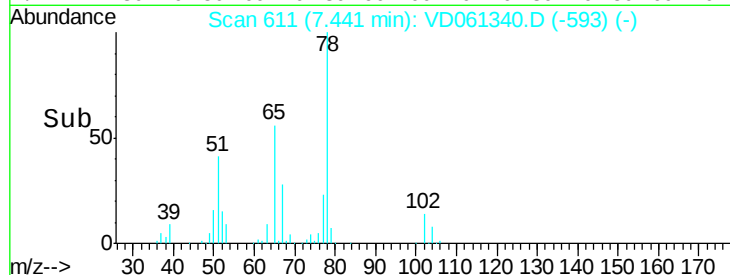
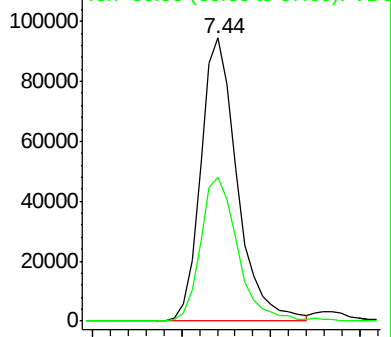
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

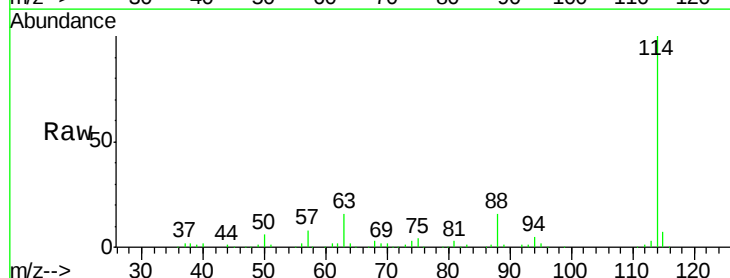
Tgt Ion: 114 Resp: 1360145

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

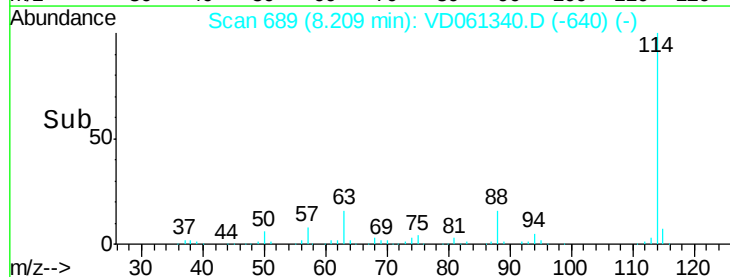
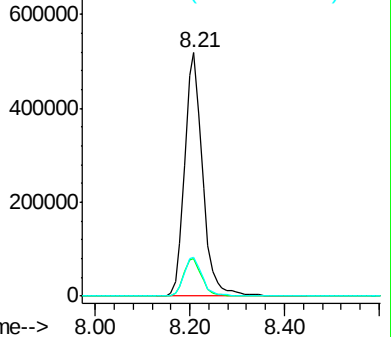
88 15.8 0.0 33.2

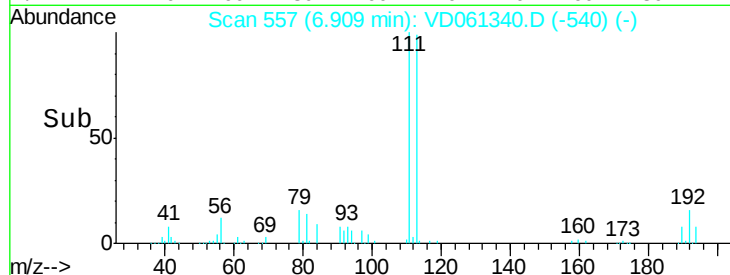
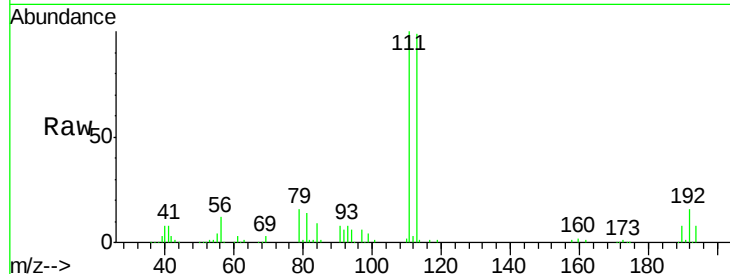
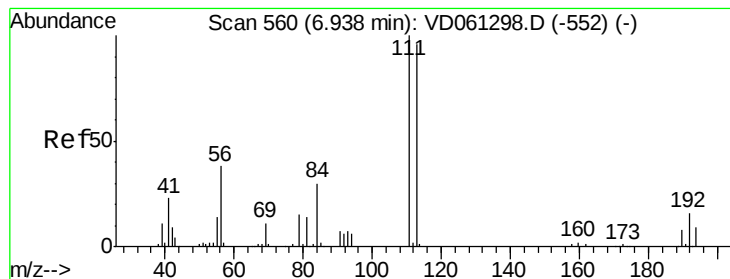


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 443330 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 100.6 | 83.7  | 125.5  |
| 192      | 15.7  | 13.4  | 20.0   |

Instrument :

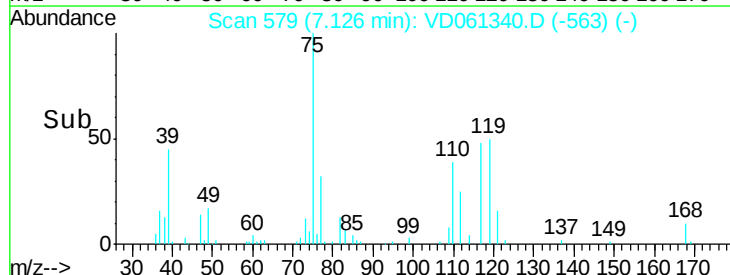
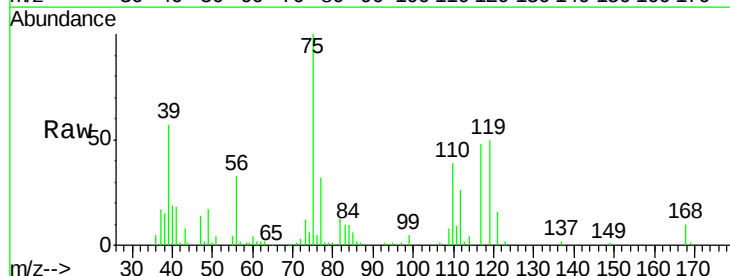
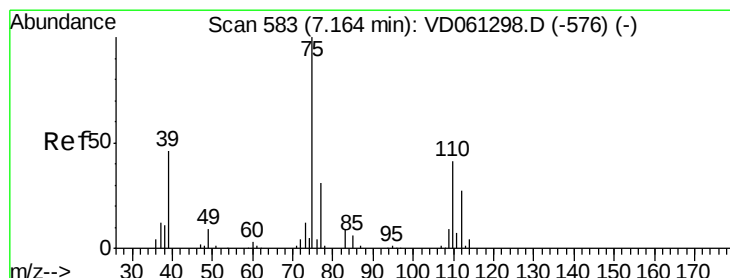
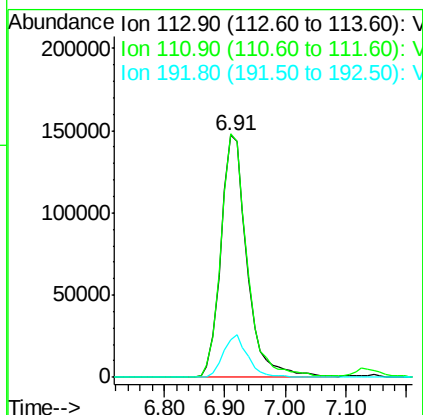
MSVOA\_D

ClientSampleId :

VD0326SBS01

Manual Integrations  
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#36

1,1-Dichloropropene

Concen: 18.941 ug/l

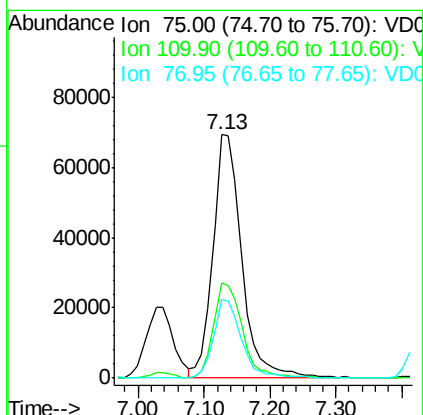
RT: 7.13 min Scan# 579

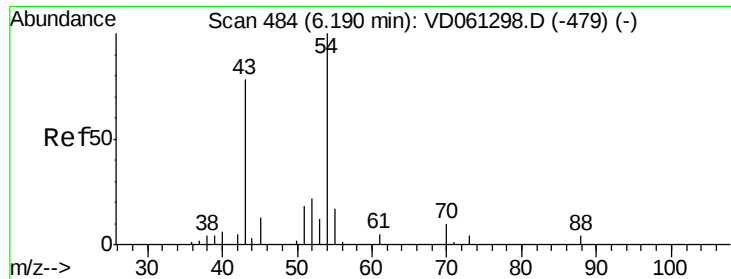
Delta R.T. -0.04 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 210779 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 38.9  | 20.1  | 60.2   |
| 77       | 32.2  | 24.3  | 36.5   |





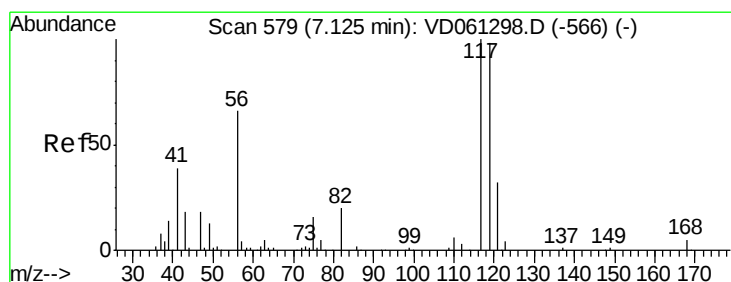
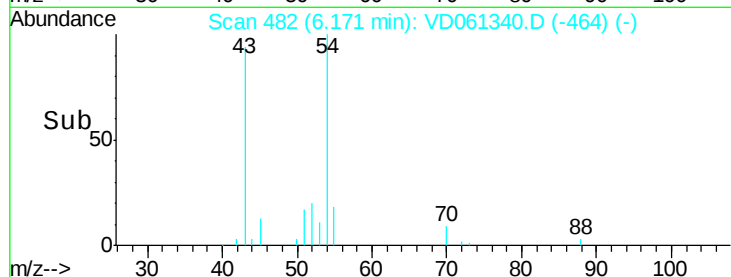
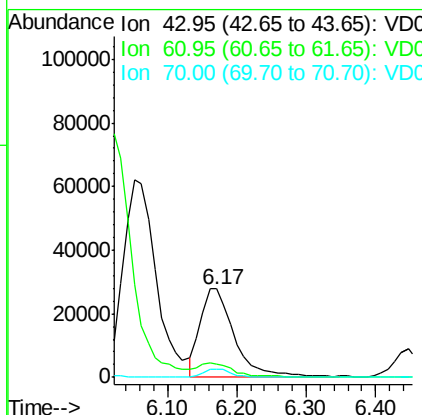
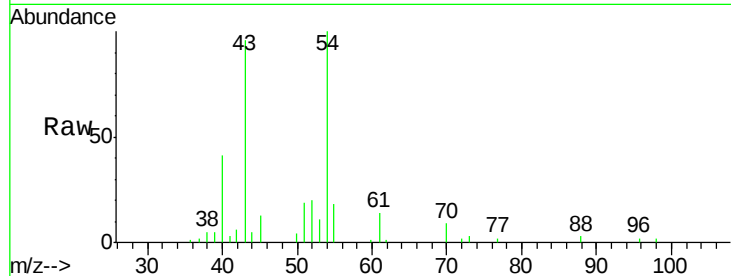
#37  
Ethyl Acetate  
Concen: 20.792 ug/l m  
RT: 6.17 min Scan# 482  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.6  | 12.6  | 19.0  |
| 70      | 9.6   | 8.2   | 12.4  |

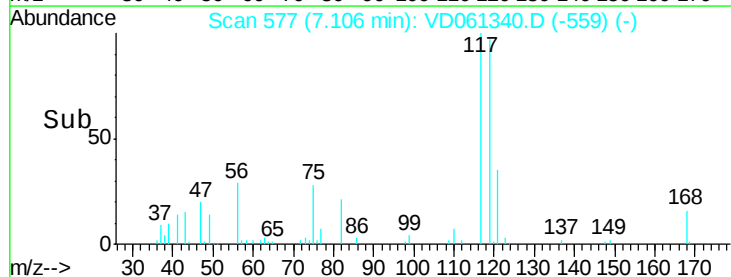
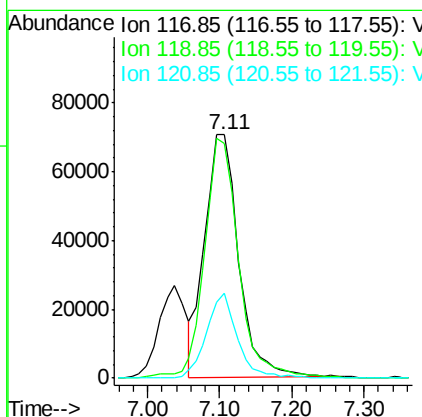
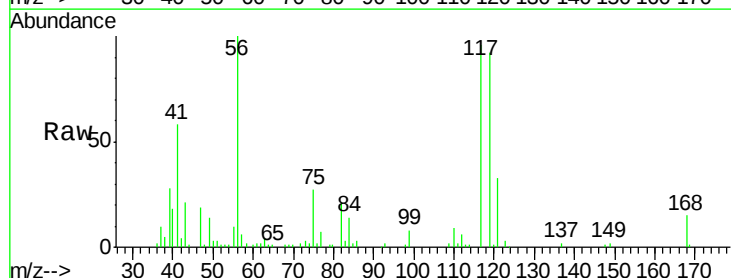
Manual Integrations  
APPROVED

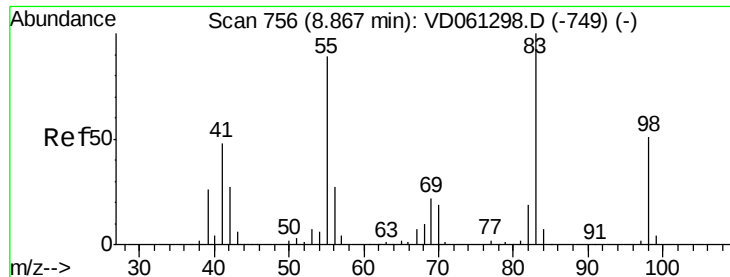
MMDadoda  
3/27/2019 12:02:28 PM



#38  
Carbon Tetrachloride  
Concen: 18.200 ug/l  
RT: 7.11 min Scan# 577  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.4  | 78.4  | 117.6 |
| 121     | 34.6  | 25.1  | 37.7  |





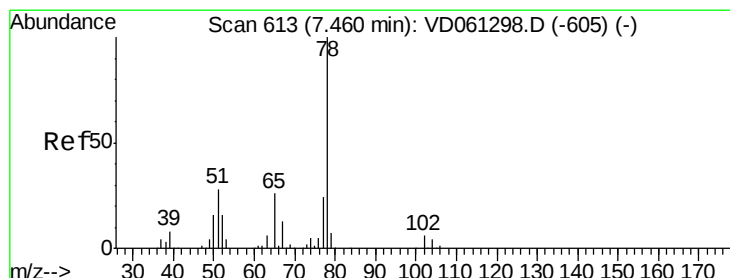
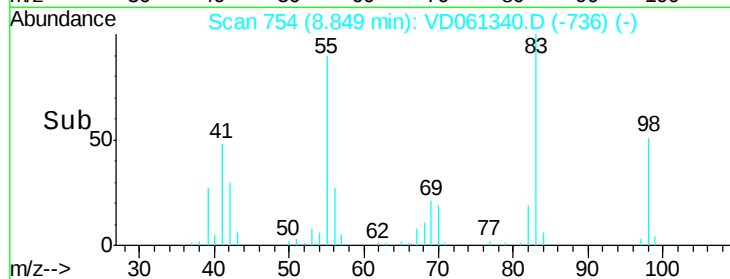
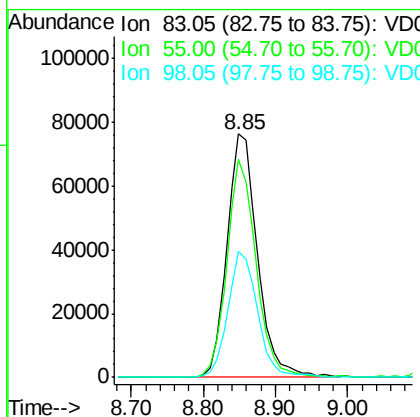
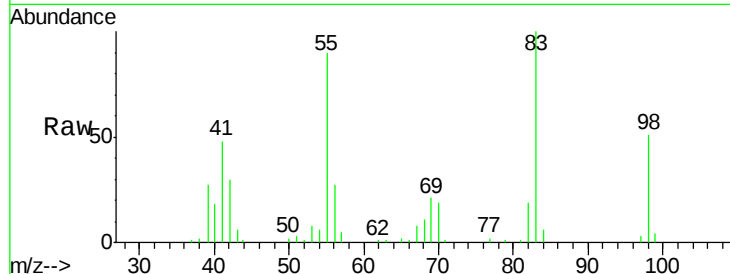
#39  
Methvlcvclohexane  
Concen: 19.446 ug/l  
RT: 8.85 min Scan# 754  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 89.5  | 71.3  | 106.9 |
| 98      | 51.4  | 40.4  | 60.6  |

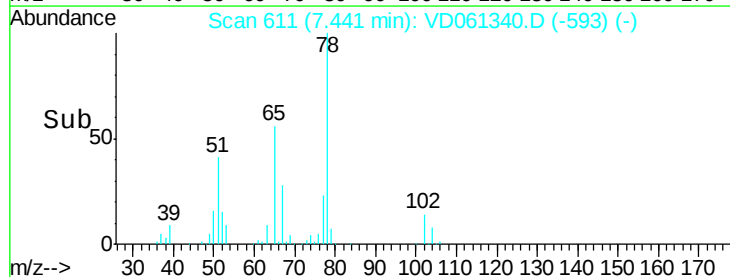
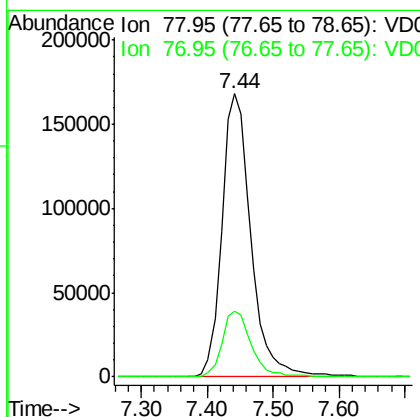
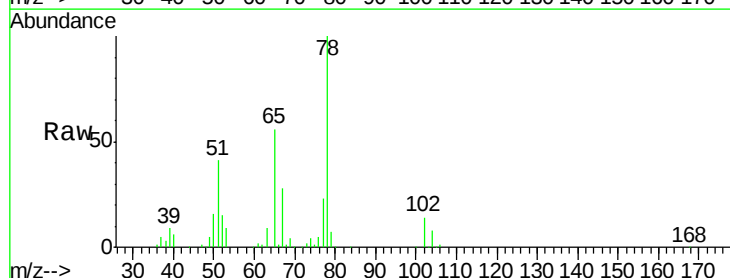
Manual Integrations  
APPROVED

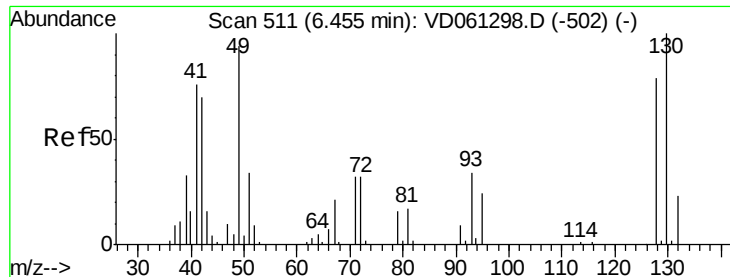
MMDadoda  
3/27/2019 12:02:28 PM



#40  
Benzene  
Concen: 18.713 ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.2  | 18.8  | 28.2  |





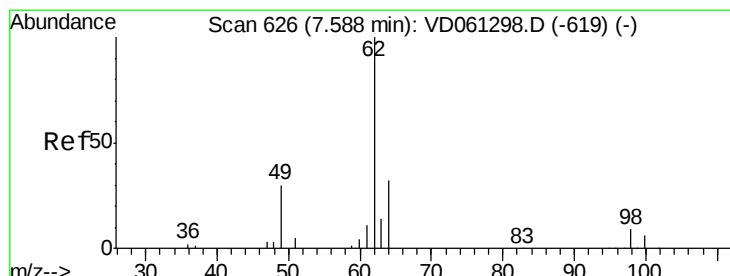
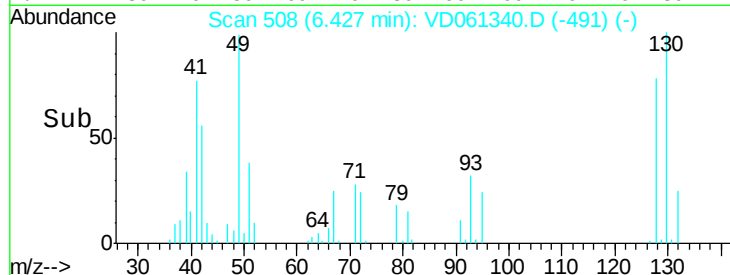
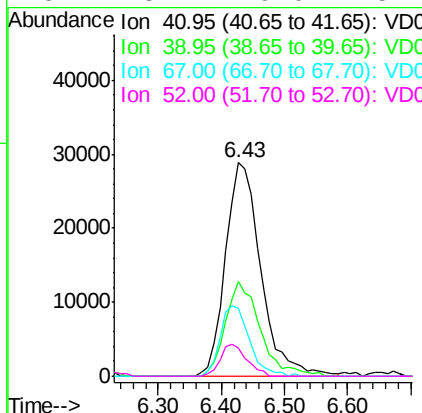
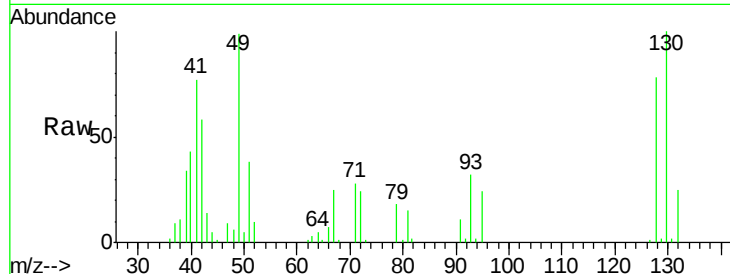
#41  
Methacrylonitrile  
Concen: 20.769 ug/l  
RT: 6.43 min Scan# 508  
Delta R.T. -0.03 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 44.2  | 34.2  | 51.2  |
| 67      | 31.8  | 21.8  | 32.6  |
| 52      | 13.1  | 9.0   | 13.4  |

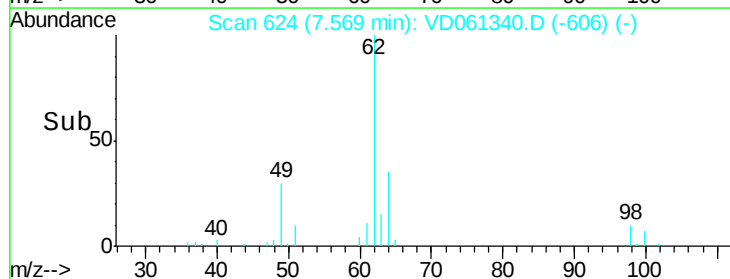
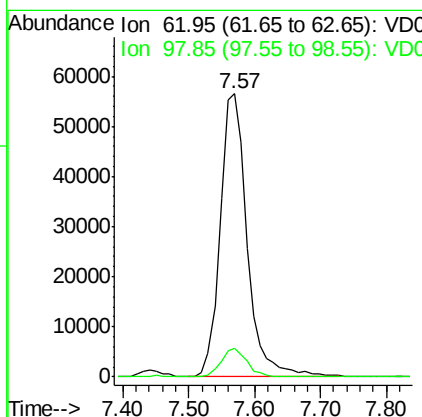
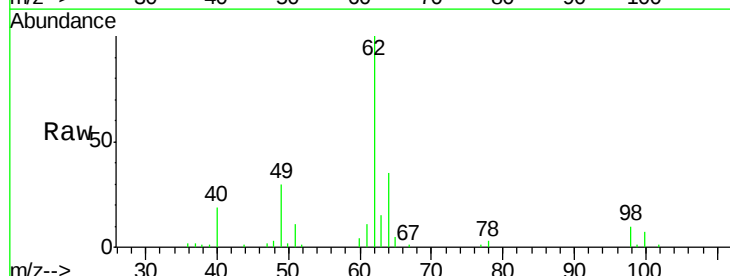
Manual Integrations  
APPROVED

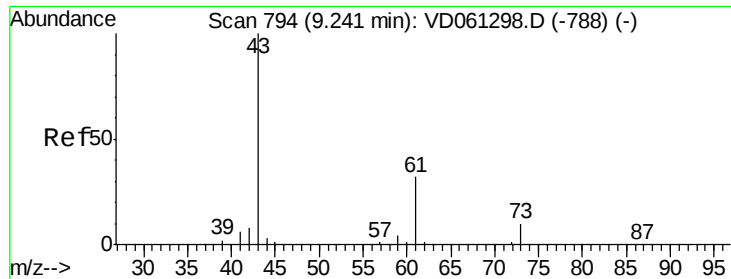
MMDadoda  
3/27/2019 12:02:28 PM



#42  
1,2-Dichloroethane  
Concen: 18.772 ug/l  
RT: 7.57 min Scan# 624  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.1  | 0.0   | 18.6  |





#43

Isopropyl Acetate

Concen: 19.755 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

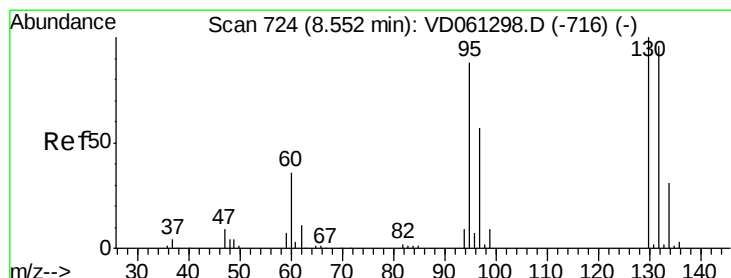
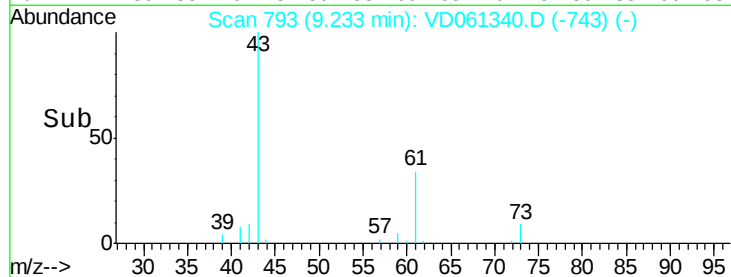
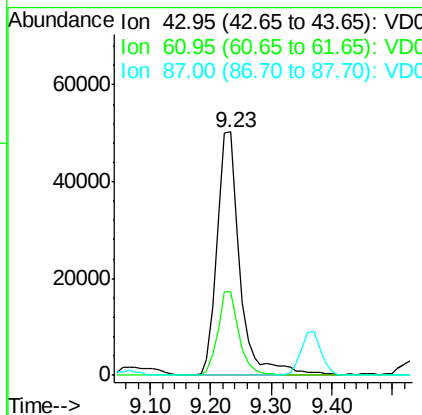
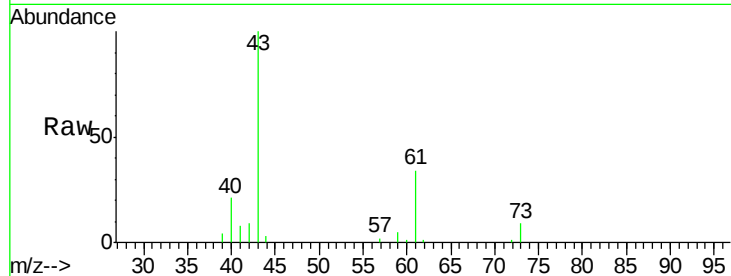
ClientSampleId :

VD0326SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 132394 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 34.3  | 25.8  | 38.8   |
| 87       | 0.0   | 0.3   | 0.5    |

Manual Integrations  
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MMDadoda  
3/27/2019 12:02:28 PM



#44

Trichloroethene

Concen: 19.811 ug/l

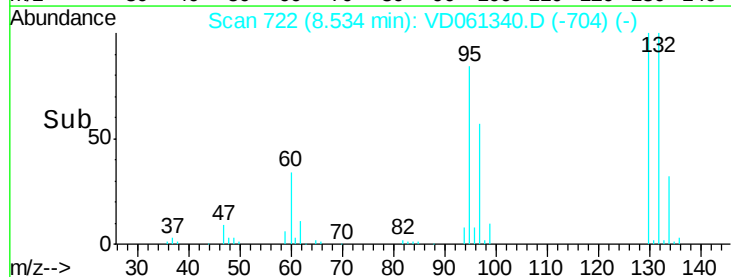
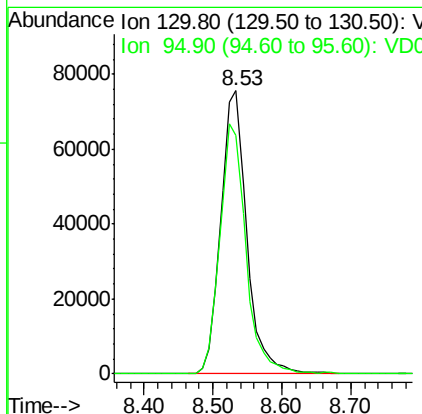
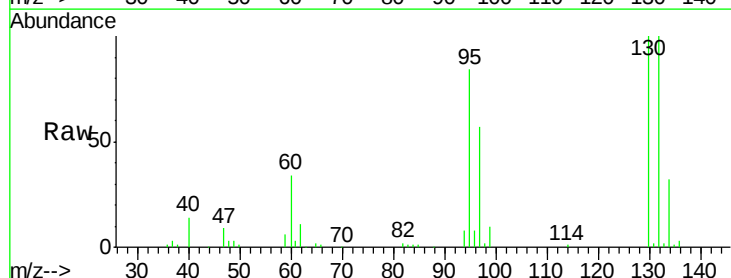
RT: 8.53 min Scan# 722

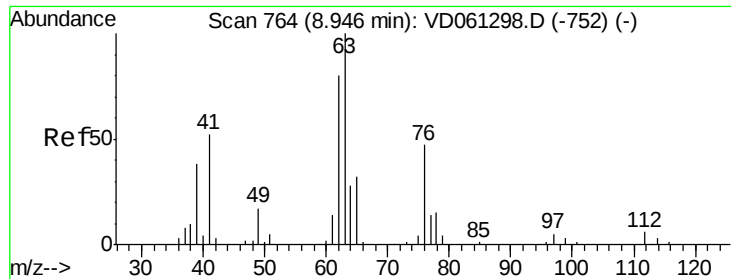
Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 198011 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 84.3  | 0.0   | 175.0  |





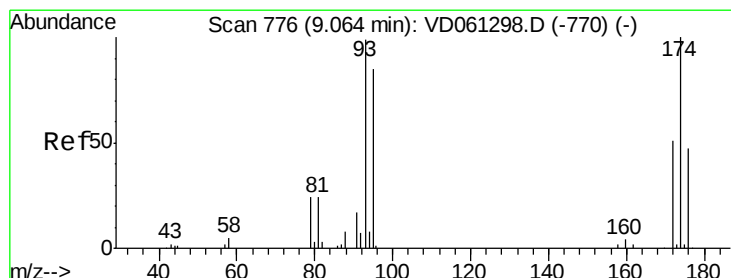
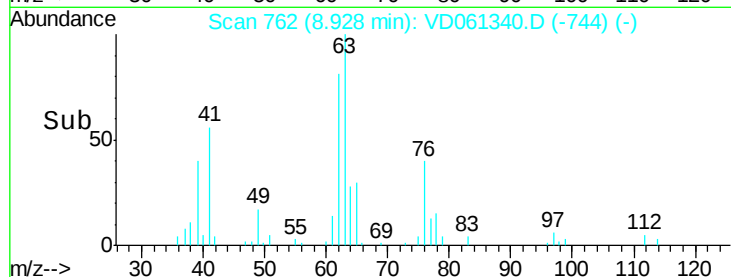
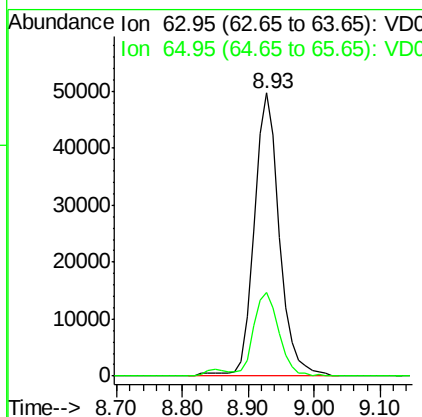
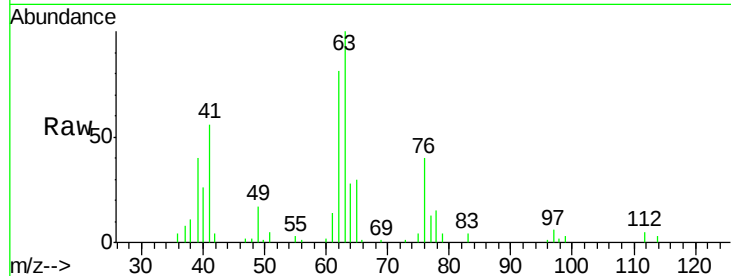
#45  
 1,2-Dichloropropane  
 Concen: 19.477 ug/l  
 RT: 8.93 min Scan# 762  
 Delta R.T. -0.02 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBS01

Tot Ion: 63 Resp: 132854  
 Ion Ratio Lower Upper  
 63 100  
 65 29.7 25.2 37.8

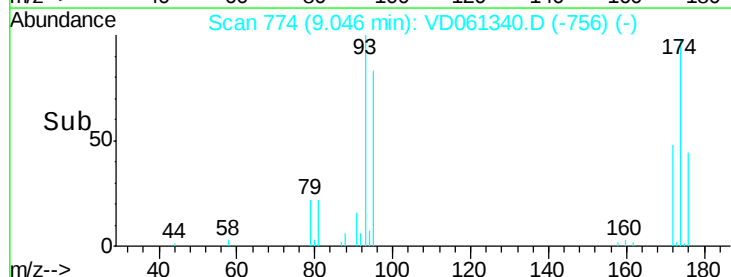
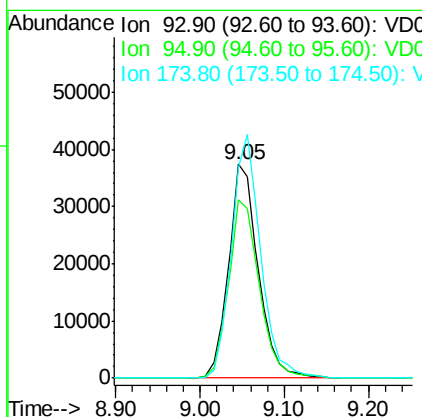
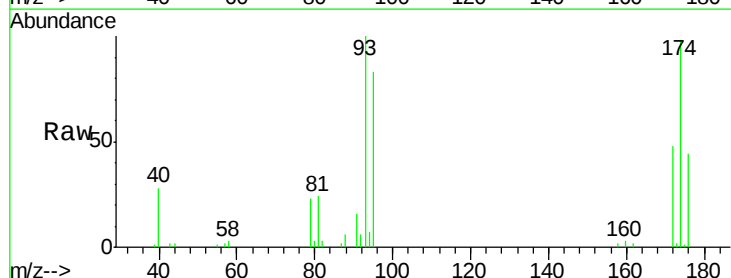
Manual Integrations  
 APPROVED

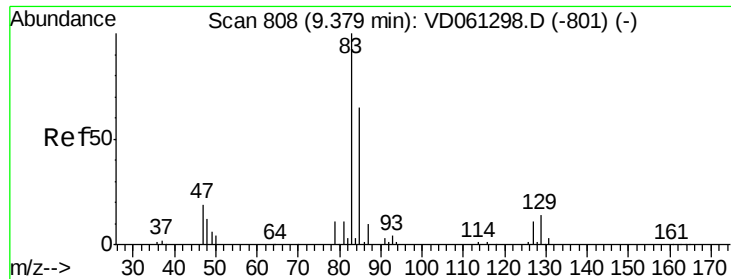
MMDadoda  
 3/27/2019 12:02:28 PM



#46  
 Dibromomethane  
 Concen: 19.542 ug/l  
 RT: 9.05 min Scan# 774  
 Delta R.T. -0.02 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Tgt Ion: 93 Resp: 91370  
 Ion Ratio Lower Upper  
 93 100  
 95 83.3 68.1 102.1  
 174 98.4 80.4 120.6





#47

Bromodichloromethane

Concen: 19.337 ug/l

RT: 9.36 min Scan# 806

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

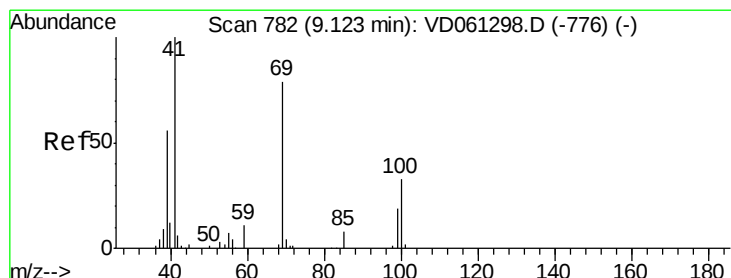
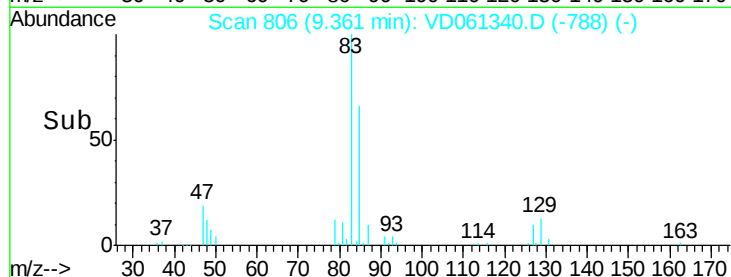
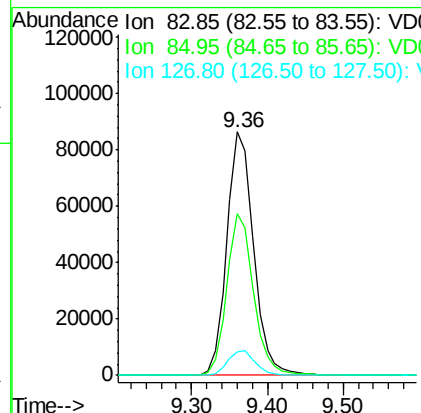
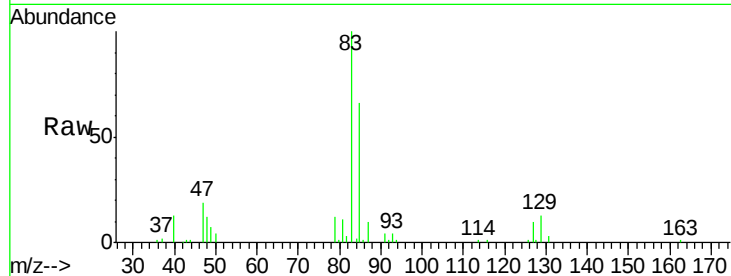
ClientSampleId :

VD0326SBSD01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 211913 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.4  | 51.7  | 77.5   |
| 127      | 9.8   | 8.8   | 13.2   |

Manual Integrations  
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MMDadoda  
3/27/2019 12:02:28 PM



#48

Methyl methacrylate

Concen: 21.766 ug/l

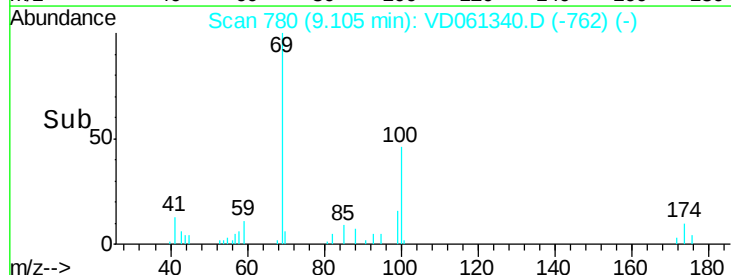
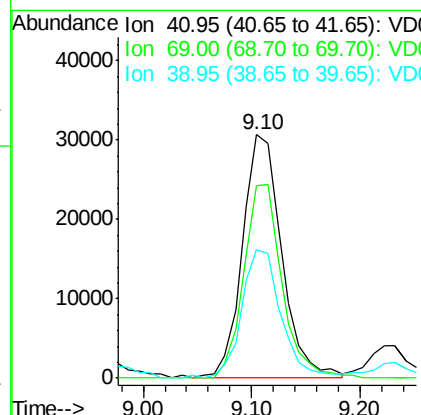
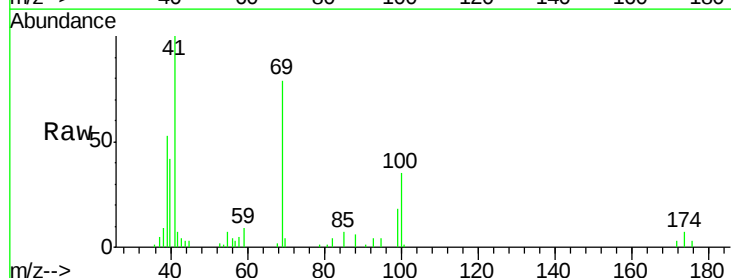
RT: 9.10 min Scan# 780

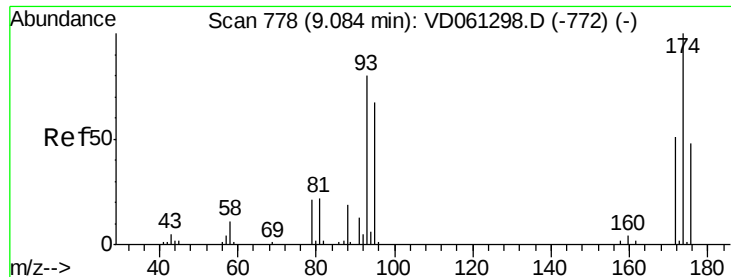
Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 77860 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 78.8  | 62.4  | 93.6  |
| 39       | 52.9  | 44.9  | 67.3  |





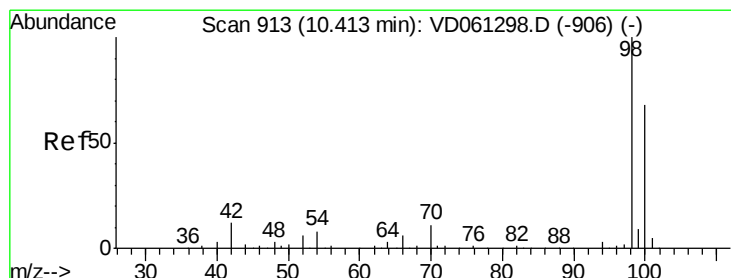
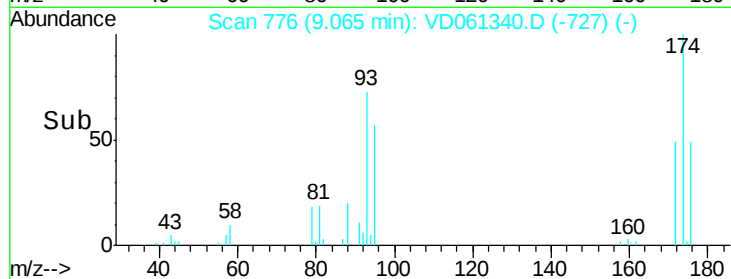
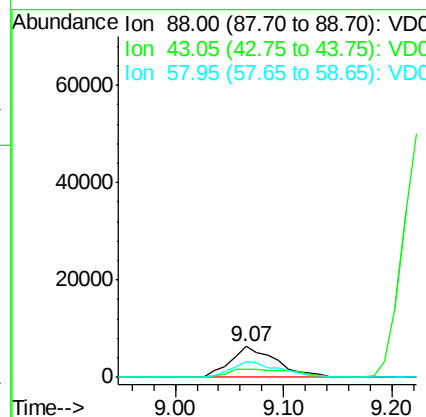
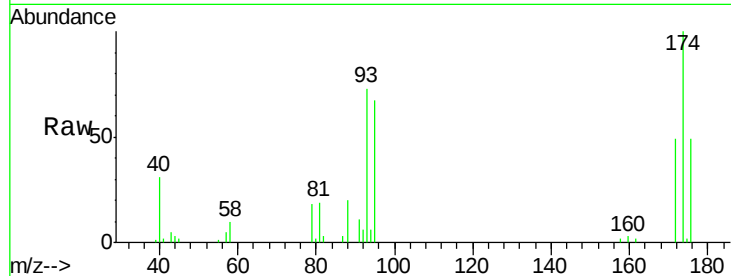
#49  
1,4-Dioxane  
Concen: 469.687 ug/l  
RT: 9.07 min Scan# 776  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 25.5  | 20.7  | 31.1  |
| 58      | 51.4  | 44.9  | 67.3  |

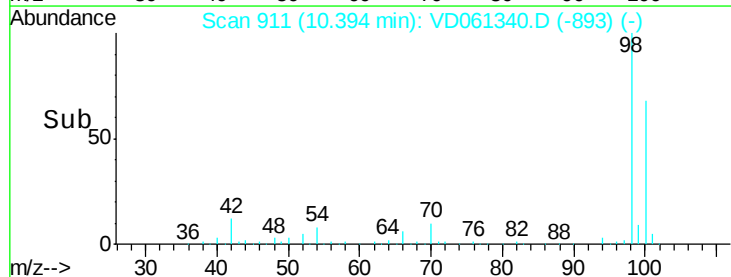
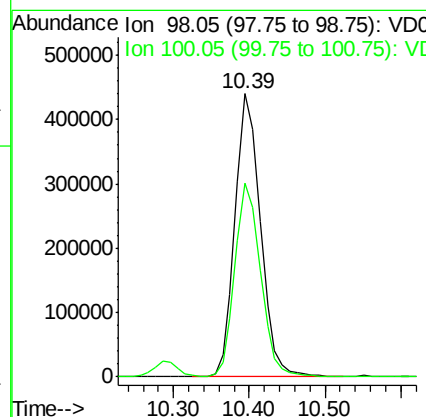
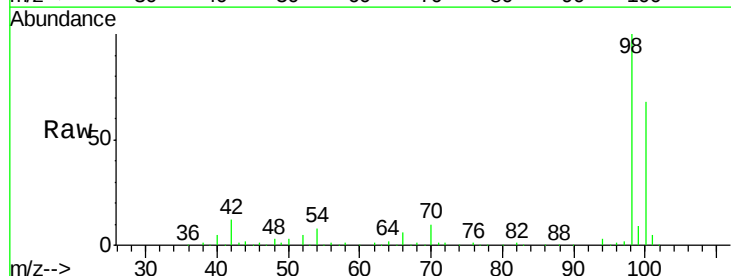
Manual Integrations  
APPROVED

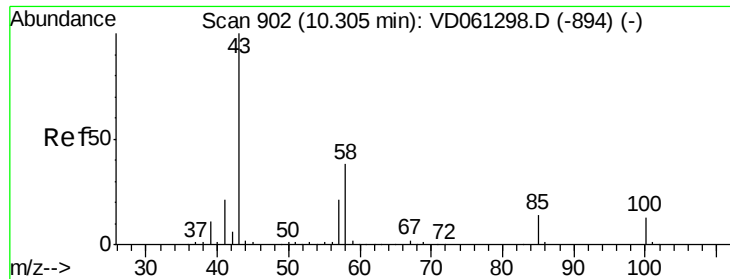
MMDadoda  
3/27/2019 12:02:28 PM



#50  
Toluene-d8  
Concen: 469.687 ug/l  
RT: 10.39 min Scan# 911  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.5  | 55.4  | 83.0  |





#51

4-Methyl-2-Pentanone

Concen: 105.930 ug/l

RT: 10.29 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 43 Resp: 422619

Ion Ratio Lower Upper

43 100

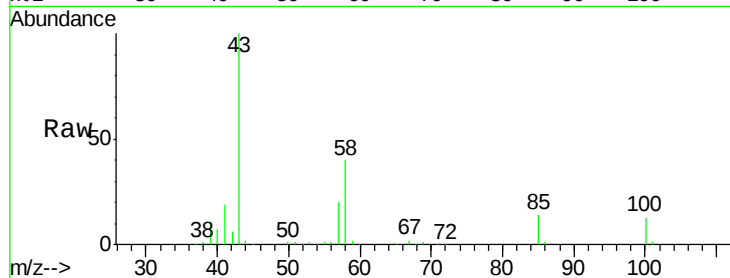
58 40.0 30.6 45.8

Manual Integrations

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3/27/2019 12:02:28 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

200000

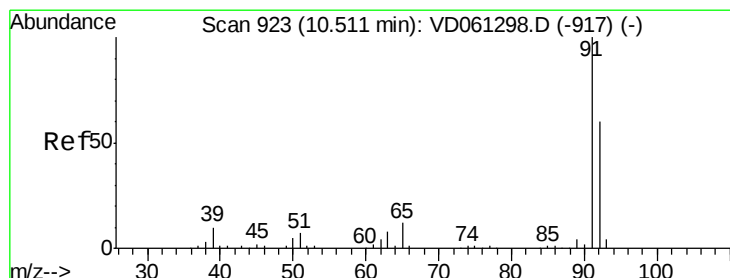
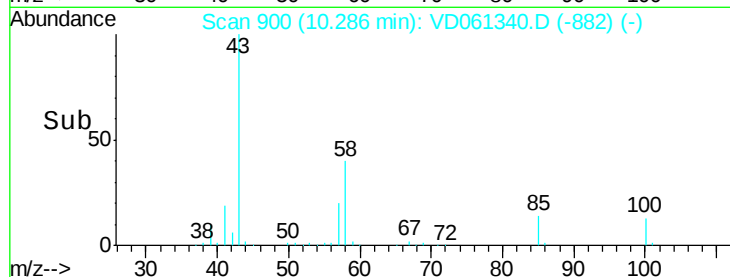
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.722 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD061340.D

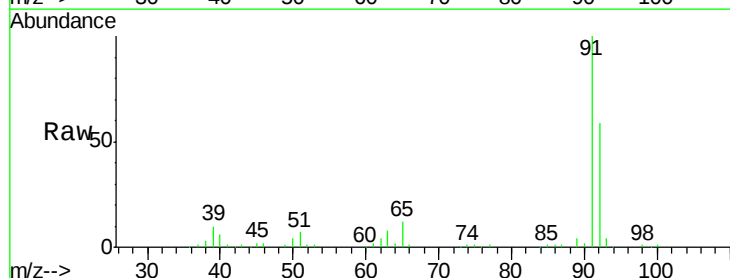
Acq: 26 Mar 2019 17:08

Tgt Ion: 92 Resp: 316596

Ion Ratio Lower Upper

92 100

91 170.4 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

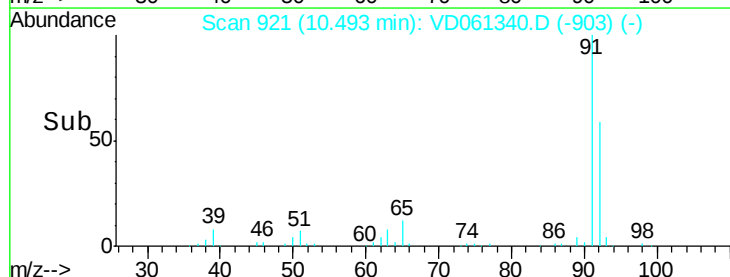
150000

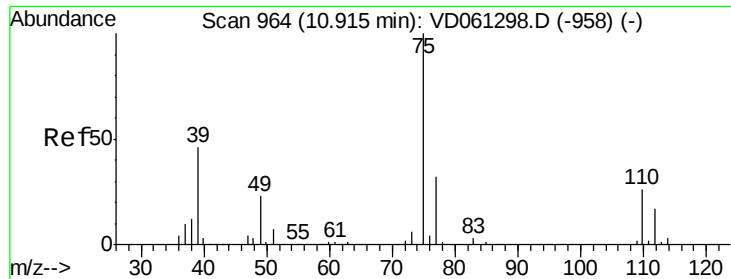
100000

50000

0

Time-->





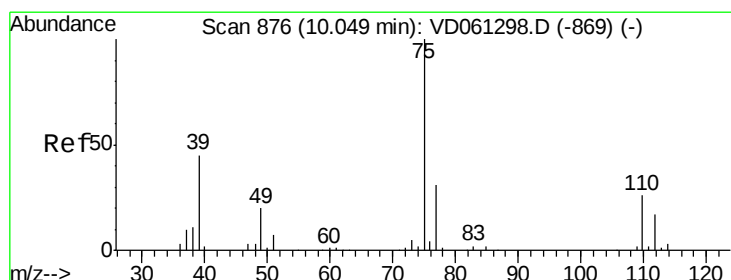
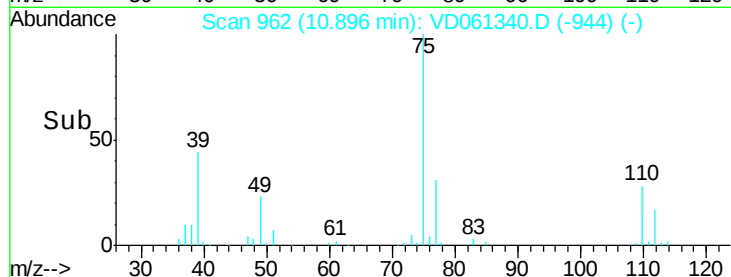
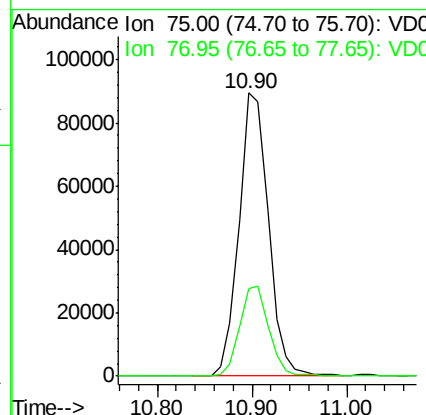
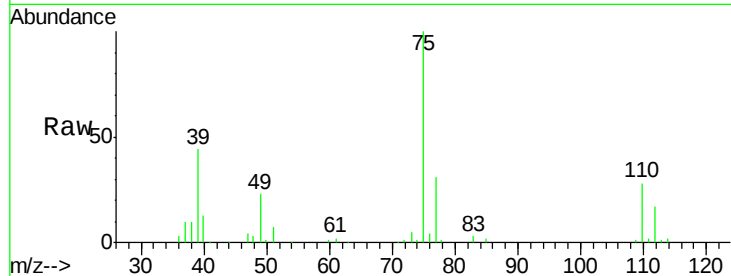
#53  
t-1,3-Dichloropropene  
Concen: 20.317 ug/l  
RT: 10.90 min Scan# 962  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

Tot Ion: 75 Resp: 193500  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.8 38.6

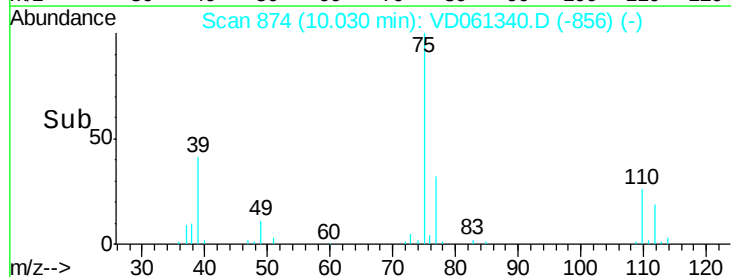
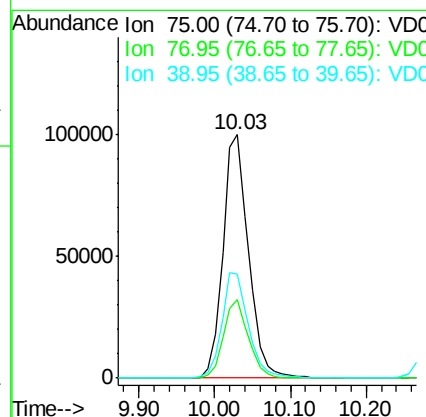
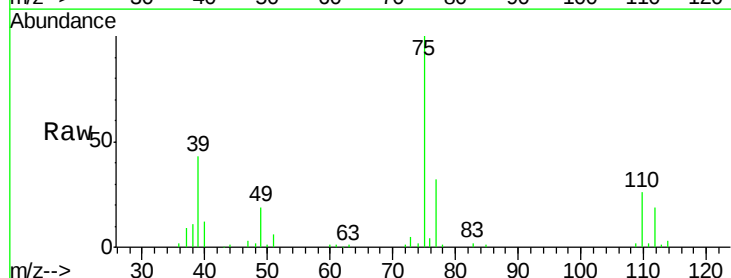
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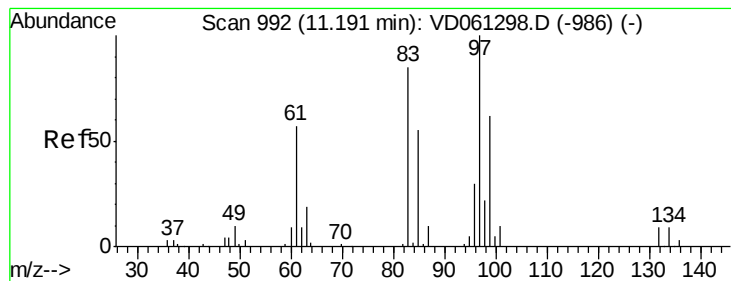
MMDadoda  
3/27/2019 12:02:28 PM



#54  
cis-1,3-Dichloropropene  
Concen: 20.099 ug/l  
RT: 10.03 min Scan# 874  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 75 Resp: 233744  
Ion Ratio Lower Upper  
75 100  
77 32.3 24.9 37.3  
39 42.7 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 19.744 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 97 Resp: 110849

Ion Ratio Lower Upper

97 100

83 85.0 67.7 101.5

85 56.4 43.8 65.8

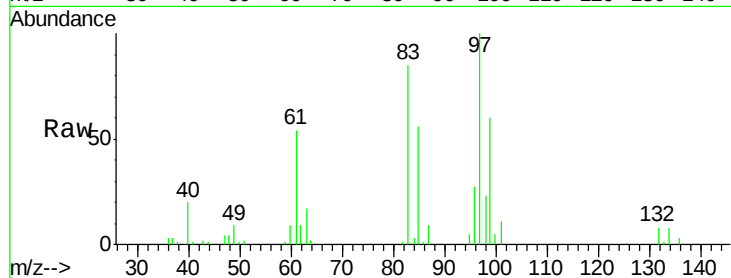
99 60.0 49.8 74.6

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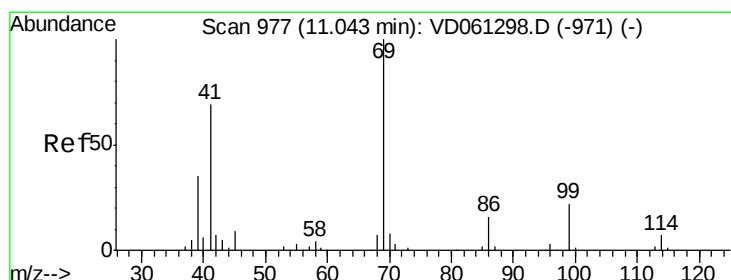
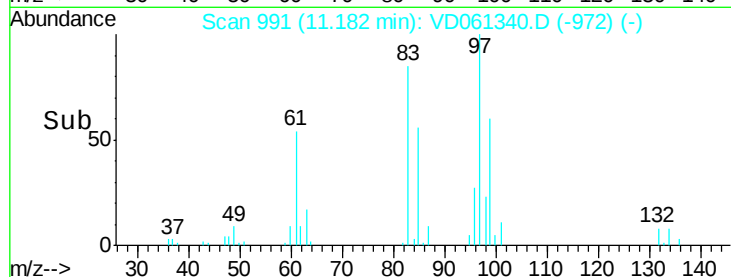
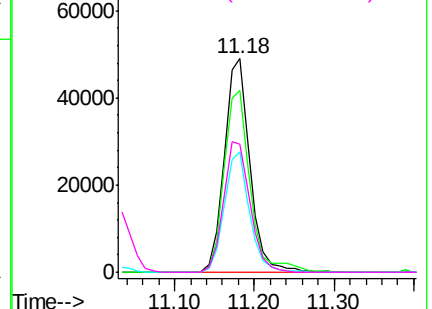


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.045 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

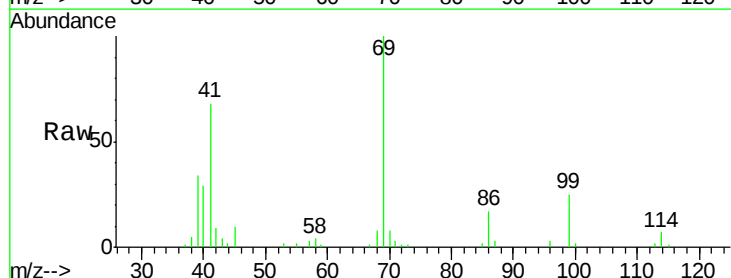
Tgt Ion: 69 Resp: 126079

Ion Ratio Lower Upper

69 100

41 68.2 54.9 82.3

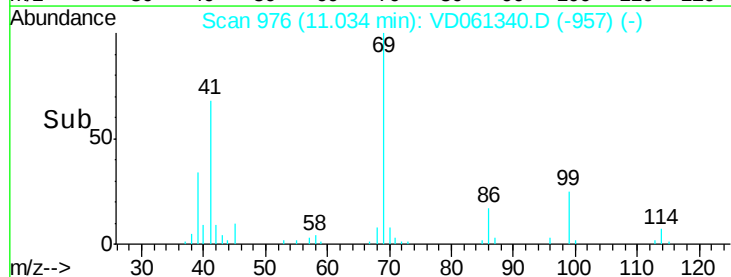
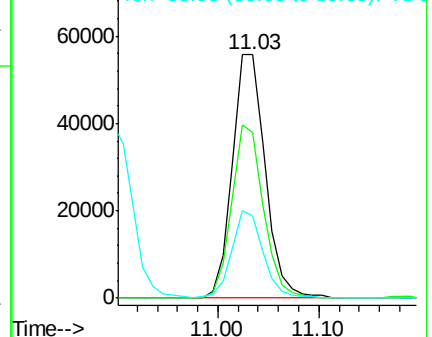
39 33.8 28.5 42.7

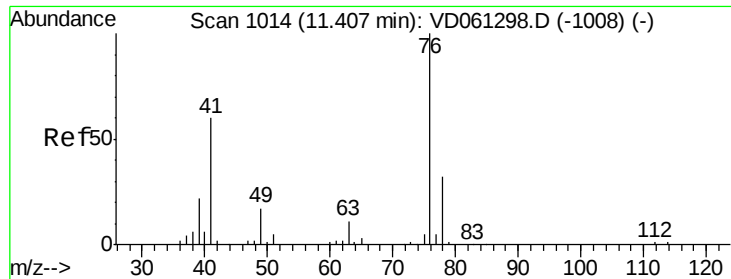


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.821 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 76 Resp: 168059

Ion Ratio Lower Upper

76 100

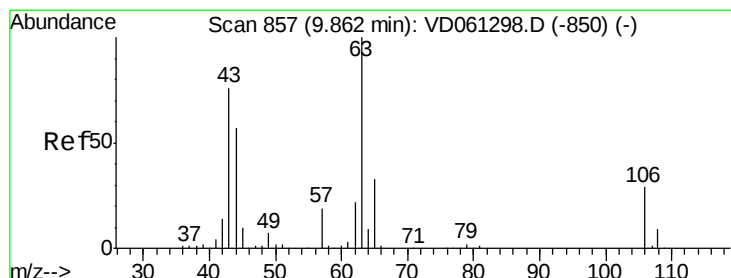
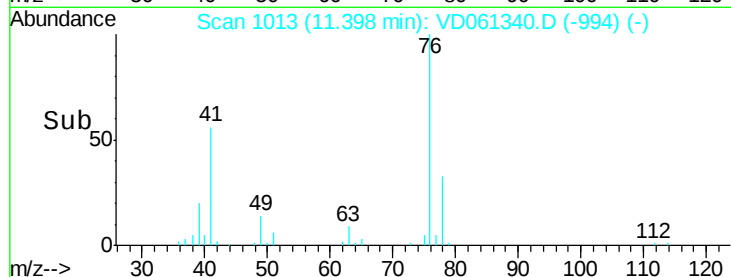
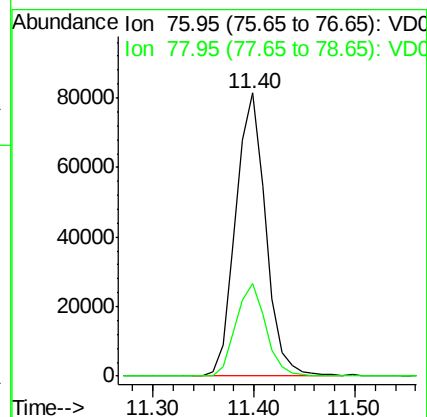
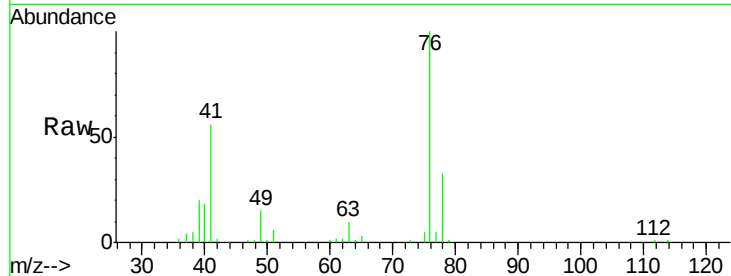
78 32.6 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 100.136 ug/l

RT: 9.84 min Scan# 855

Delta R.T. -0.02 min

Lab File: VD061340.D

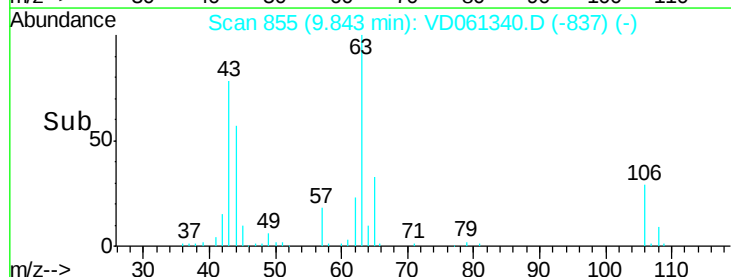
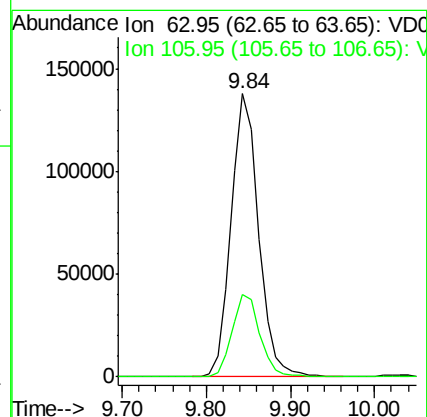
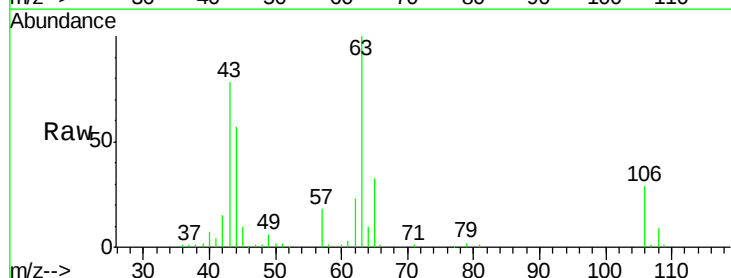
Acq: 26 Mar 2019 17:08

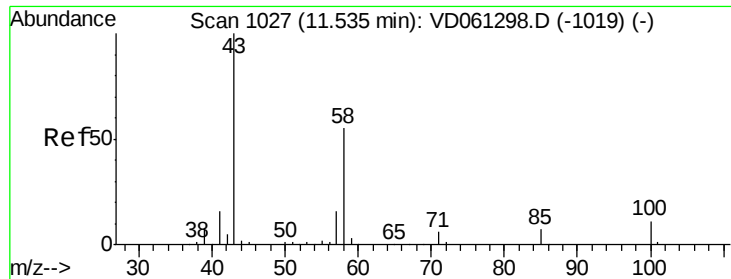
Tgt Ion: 63 Resp: 312094

Ion Ratio Lower Upper

63 100

106 29.0 23.4 35.0





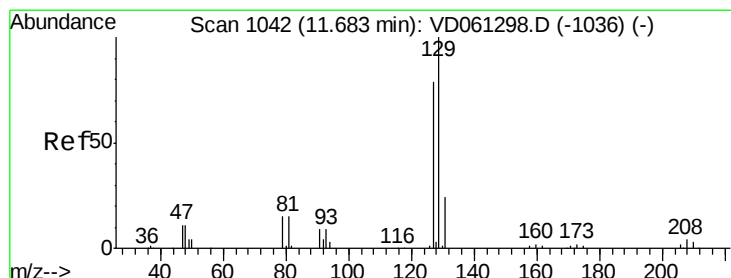
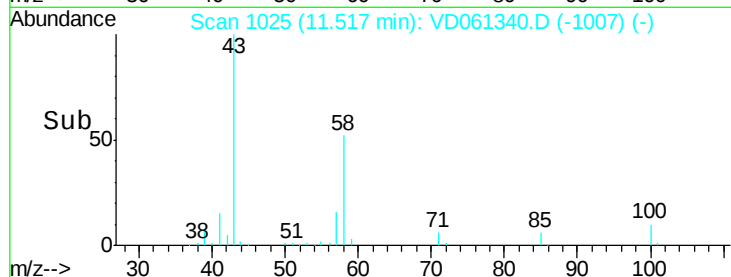
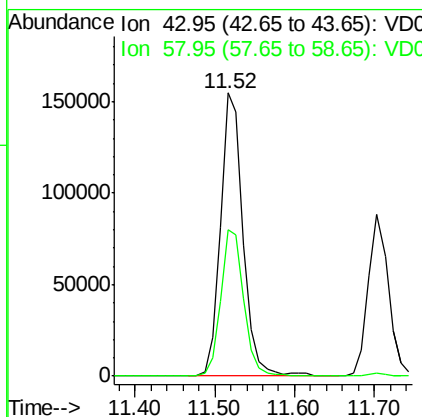
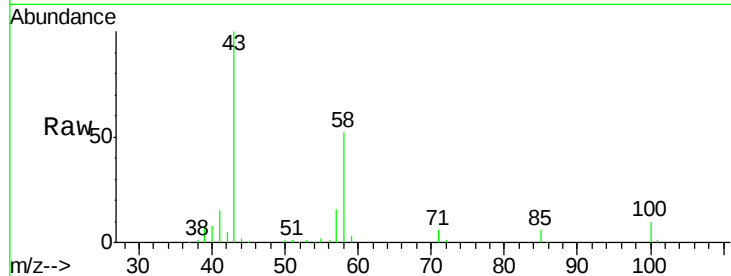
#59  
2-Hexanone  
Concen: 106.680 ug/l  
RT: 11.52 min Scan# 1025  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

Tot Ion: 43 Resp: 309119  
Ion Ratio Lower Upper  
43 100  
58 51.7 27.4 82.0

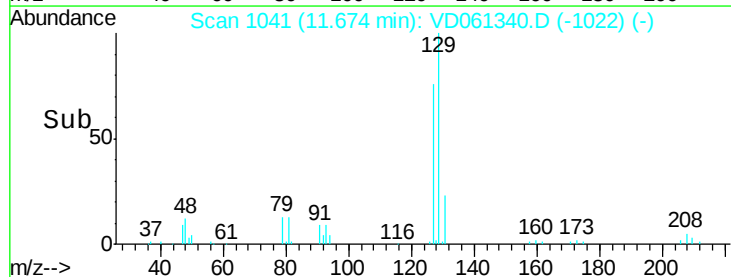
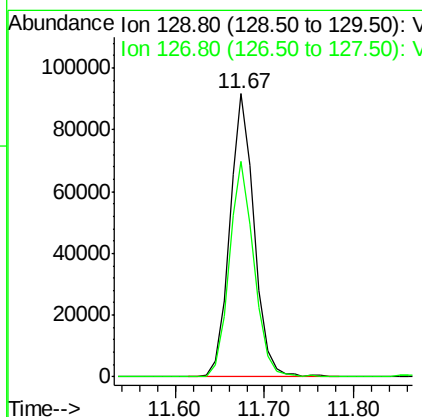
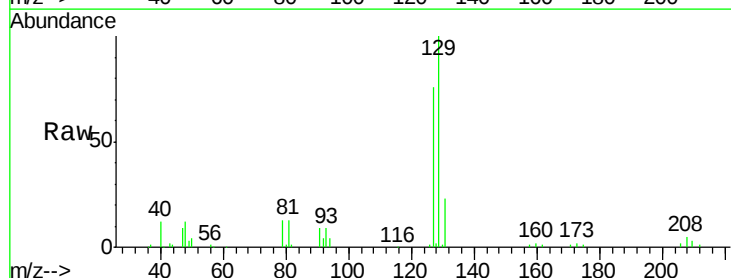
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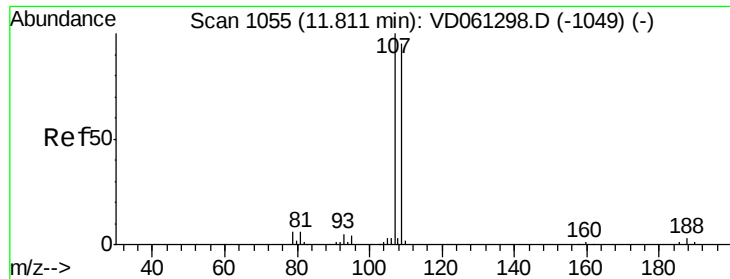
MMDadoda  
3/27/2019 12:02:28 PM



#60  
Dibromochloromethane  
Concen: 19.995 ug/l  
RT: 11.67 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 129 Resp: 175821  
Ion Ratio Lower Upper  
129 100  
127 76.2 39.6 119.0





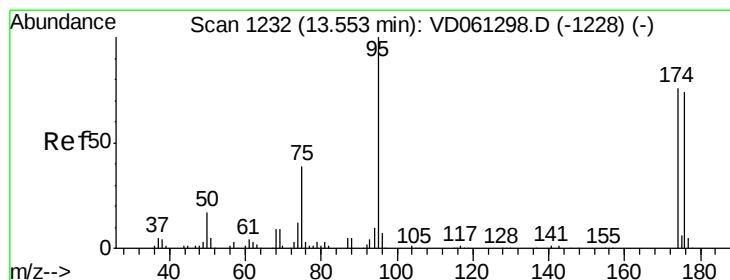
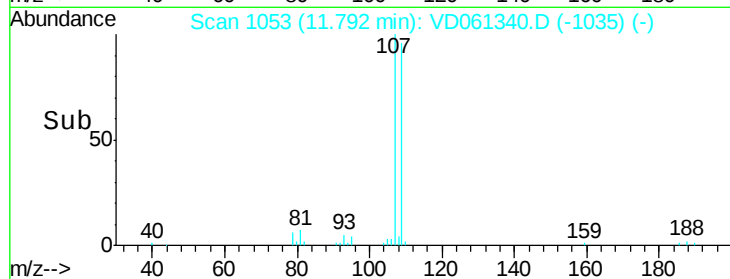
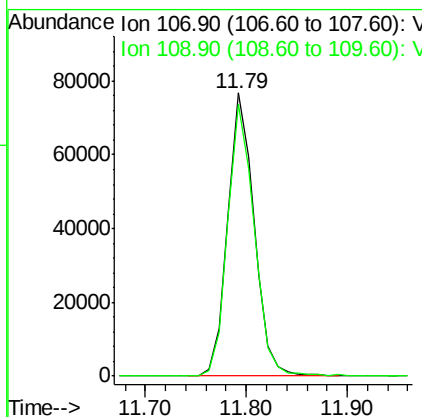
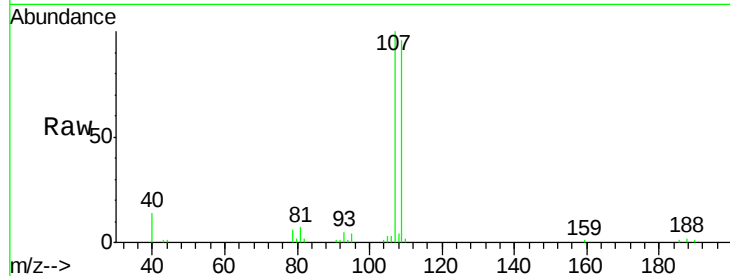
#61  
 1,2-Dibromoethane  
 Concen: 21.269 ug/l  
 RT: 11.79 min Scan# 1053  
 Delta R.T. -0.02 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBSD01

Tot Ion: 107 Resp: 139524  
 Ion Ratio Lower Upper  
 107 100  
 109 96.2 76.1 114.1

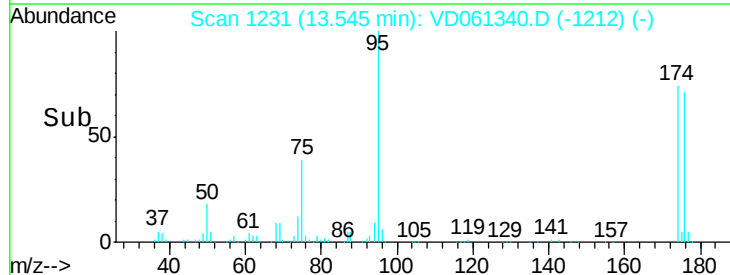
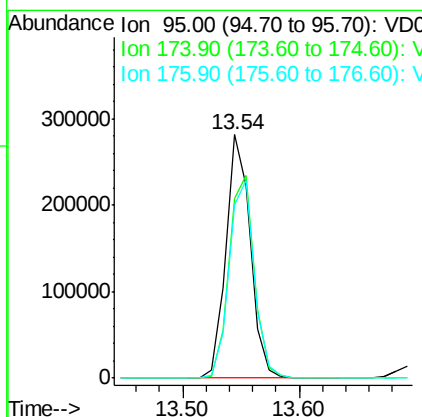
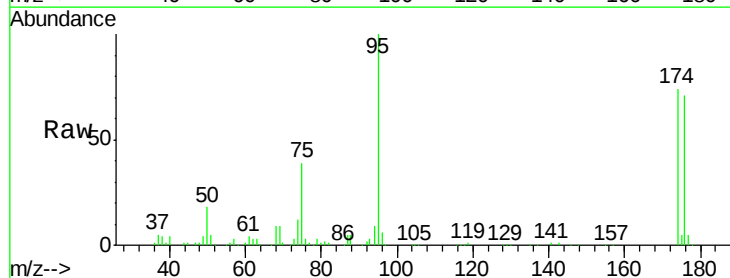
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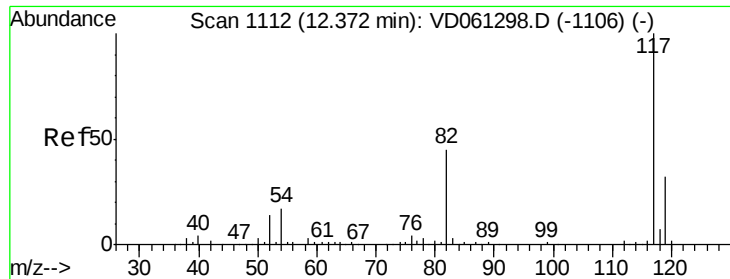
MMDadoda  
 3/27/2019 12:02:28 PM



#62  
 4-Bromofluorobenzene  
 Concen: 21.269 ug/l  
 RT: 13.54 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Tgt Ion: 95 Resp: 407087  
 Ion Ratio Lower Upper  
 95 100  
 174 73.8 0.0 151.8  
 176 71.2 0.0 148.0





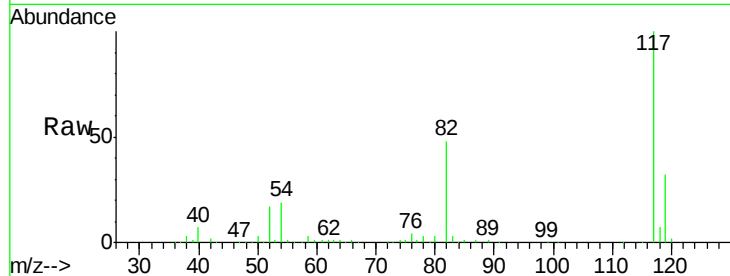
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

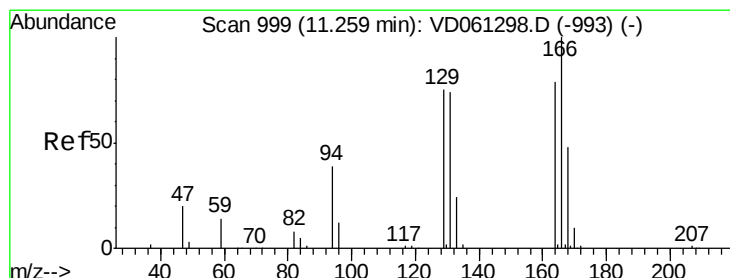
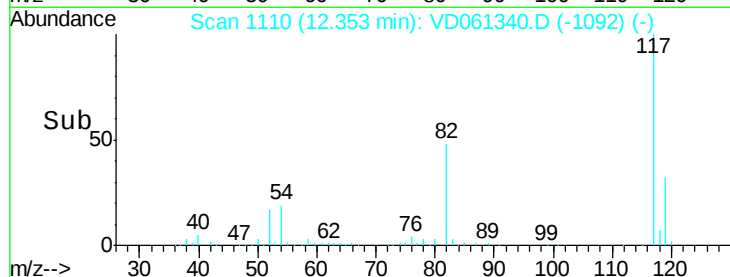
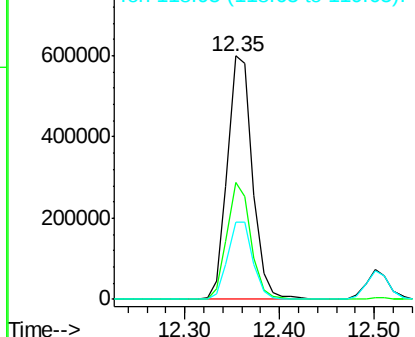
Tot Ion:117 Resp: 1102736  
Ion Ratio Lower Upper  
117 100  
82 48.0 35.7 53.5  
119 31.6 25.9 38.9

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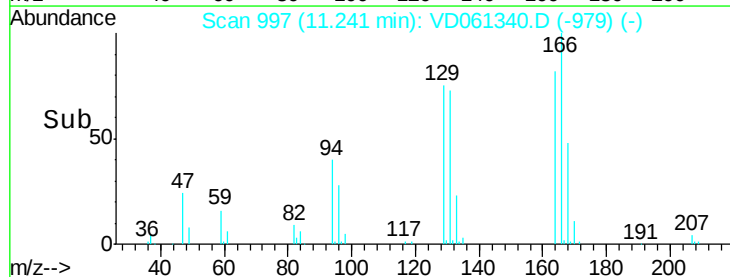
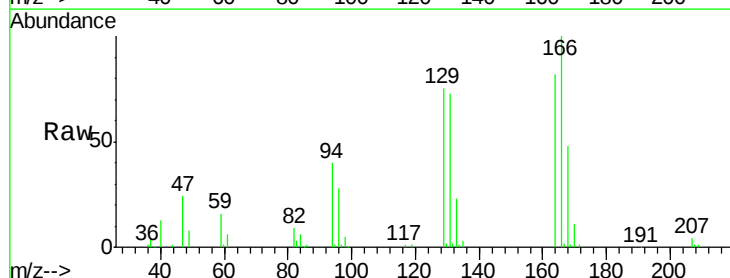
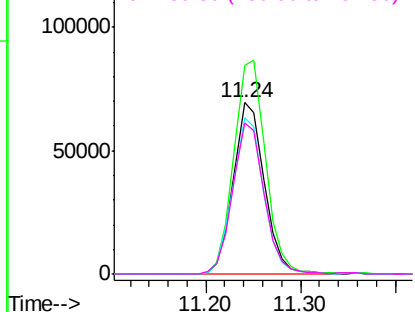
Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

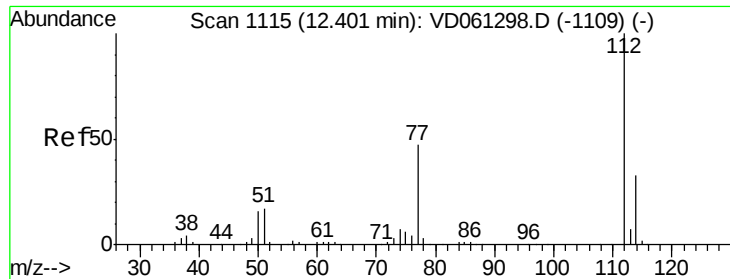


#64  
Tetrachloroethene  
Concen: 20.859 ug/l  
RT: 11.24 min Scan# 997  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion:164 Resp: 158454  
Ion Ratio Lower Upper  
164 100  
166 121.5 101.6 152.4  
129 91.1 75.9 113.9  
131 88.5 75.3 112.9

Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.85 (165.55 to 166.55): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





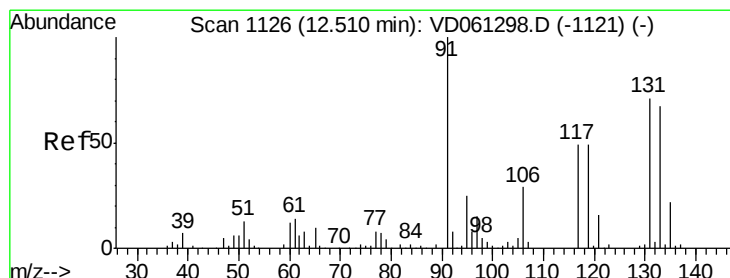
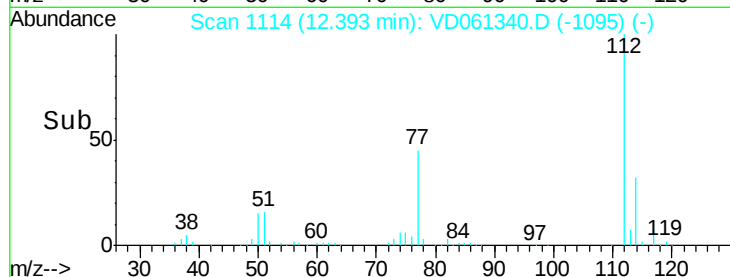
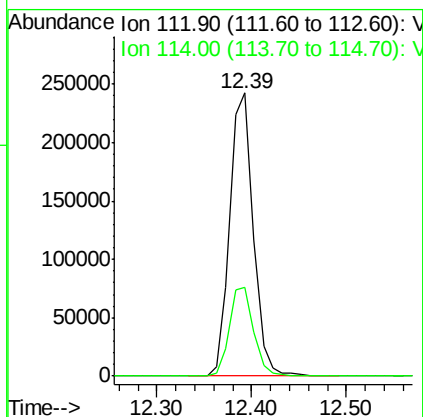
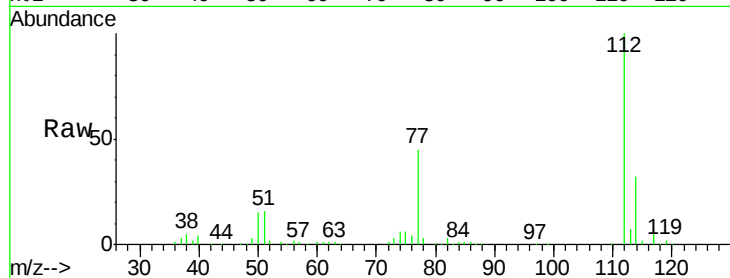
#65  
Chlorobenzene  
Concen: 20.606 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

Tot Ion:112 Resp: 418531  
Ion Ratio Lower Upper  
112 100  
114 31.5 26.5 39.7

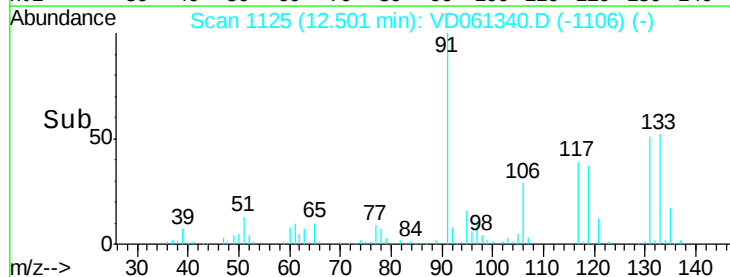
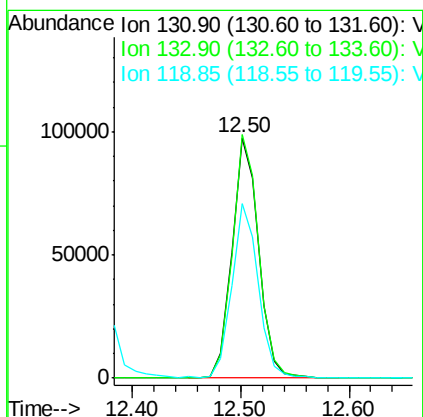
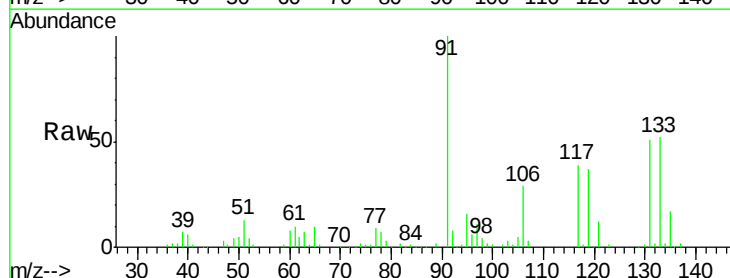
Manual Integrations  
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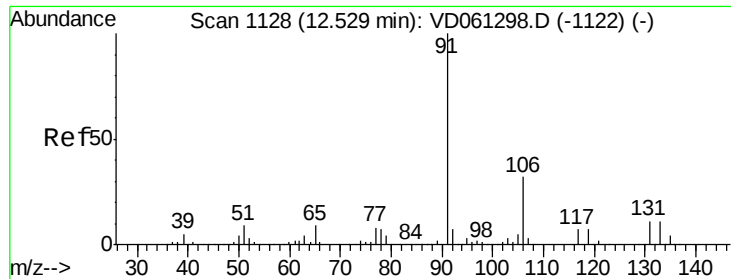
MMDadoda  
3/27/2019 12:02:28 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.077 ug/l  
RT: 12.50 min Scan# 1125  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion:131 Resp: 165977  
Ion Ratio Lower Upper  
131 100  
133 101.4 47.0 141.2  
119 72.6 34.8 104.5





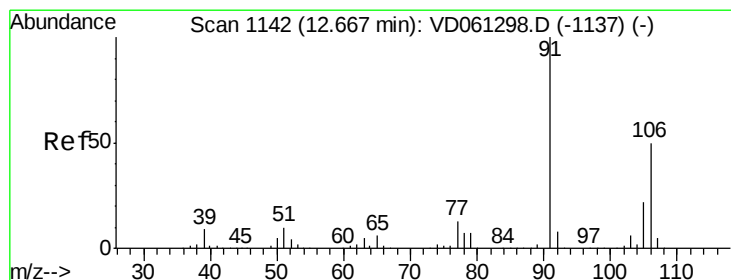
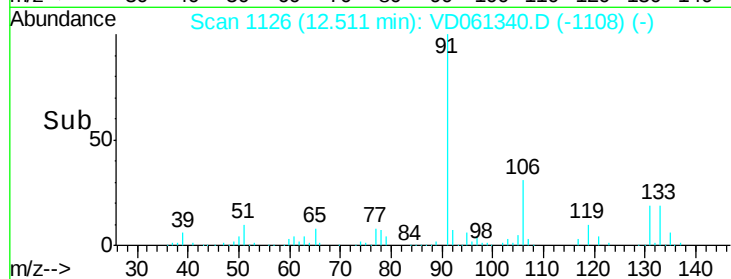
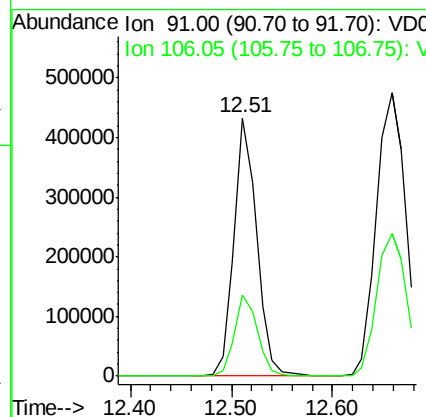
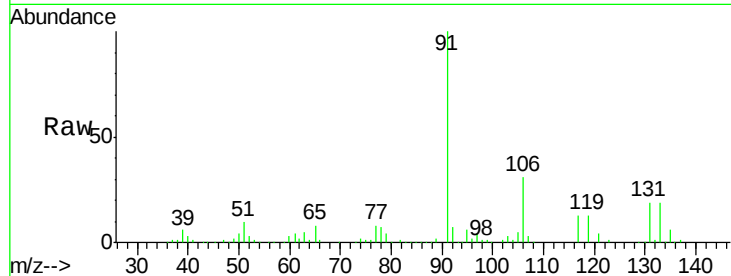
#67  
Ethyl Benzene  
Concen: 21.737 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. -0.02 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleID :  
VD0326SBS01

Tot Ion: 91 Resp: 675671  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.8 38.8

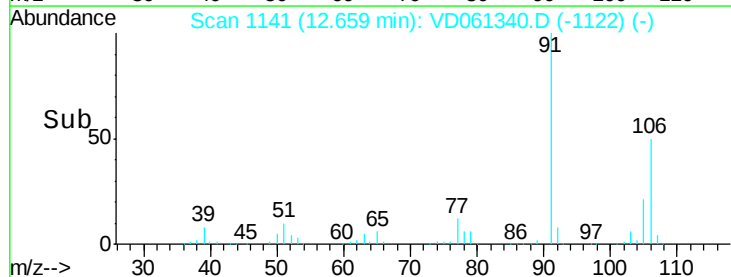
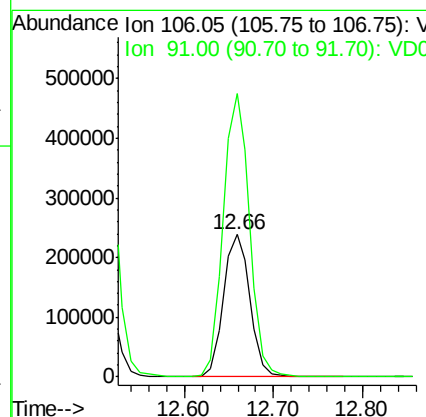
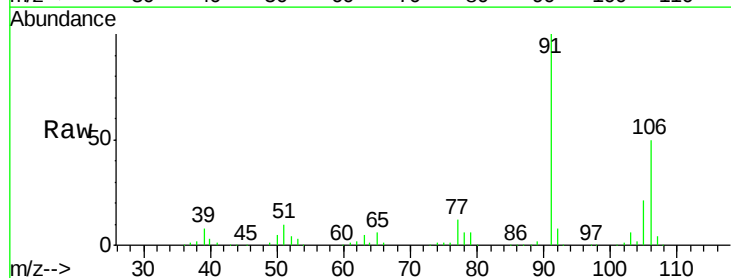
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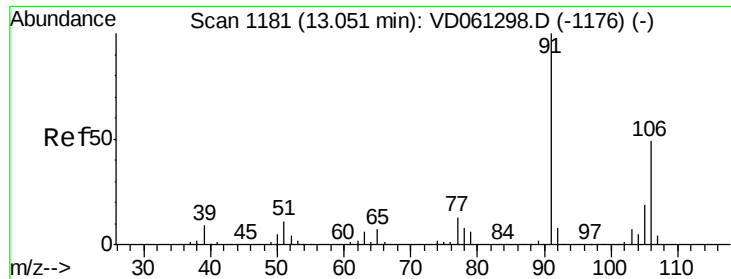
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 40.902 ug/l  
RT: 12.66 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 106 Resp: 496305  
Ion Ratio Lower Upper  
106 100  
91 199.0 159.2 238.8





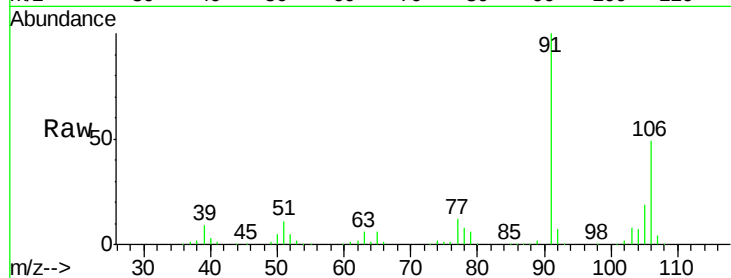
#69  
o-Xylene  
Concen: 21.187 ug/l  
RT: 13.04 min Scan# 1180  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

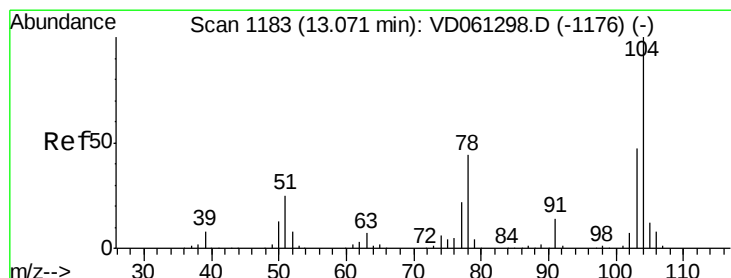
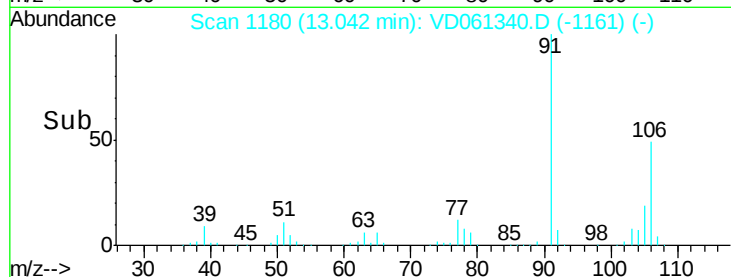
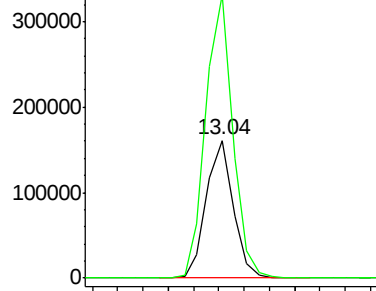
Tot Ion:106 Resp: 238432  
Ion Ratio Lower Upper  
106 100  
91 205.2 102.5 307.5

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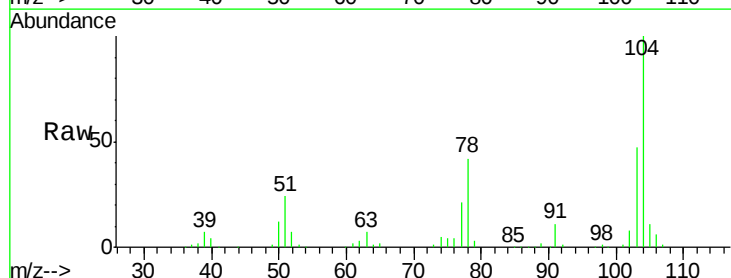


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

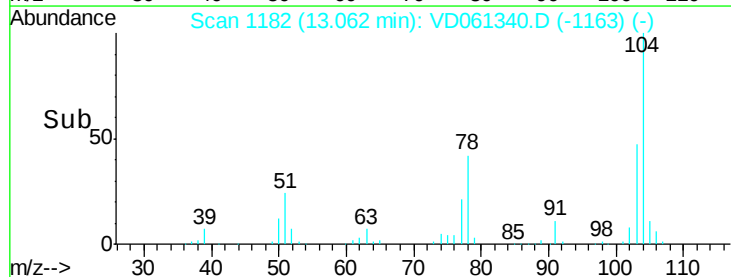
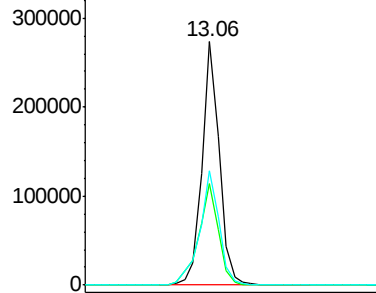


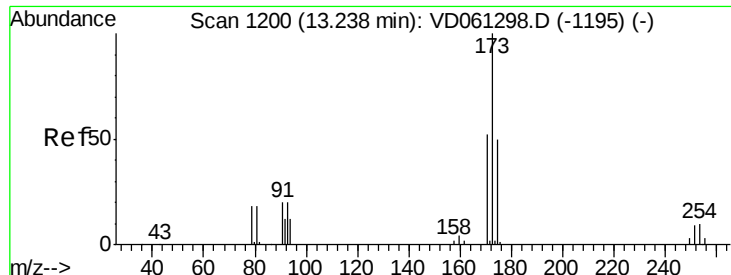
#70  
Styrene  
Concen: 20.399 ug/l  
RT: 13.06 min Scan# 1182  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion:104 Resp: 389605  
Ion Ratio Lower Upper  
104 100  
78 41.5 35.1 52.7  
103 46.8 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V





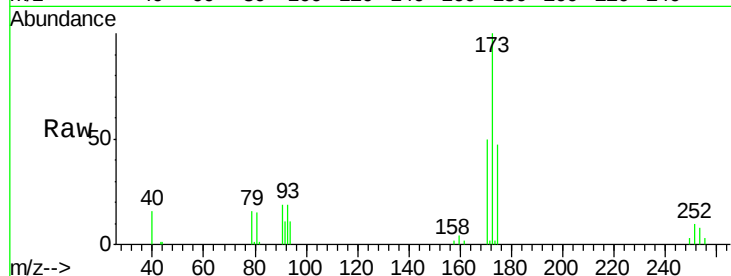
#71  
Bromoform  
Concen: 20.466 ug/l  
RT: 13.23 min Scan# 1199  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

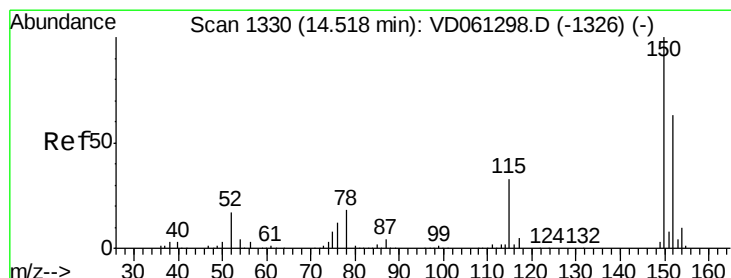
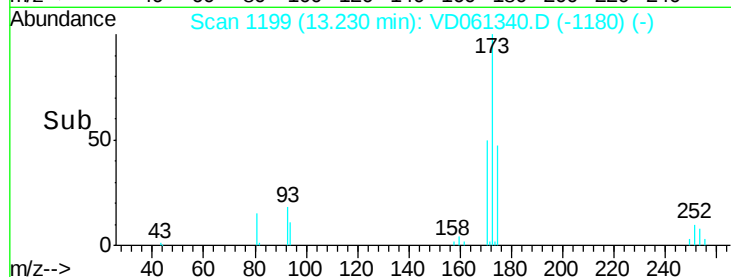
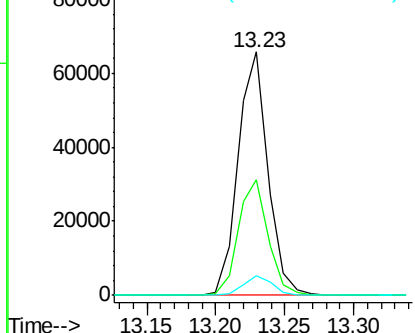
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 24.9  | 74.7  |
| 254     | 8.3   | 7.8   | 11.6  |

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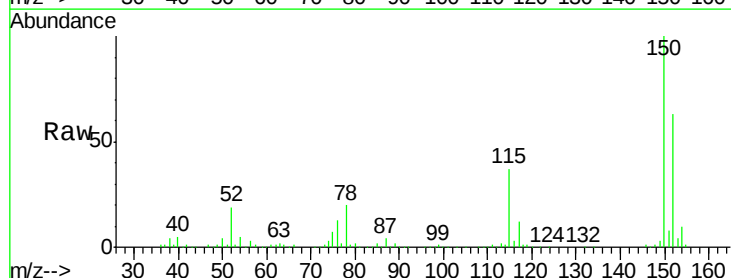


Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V

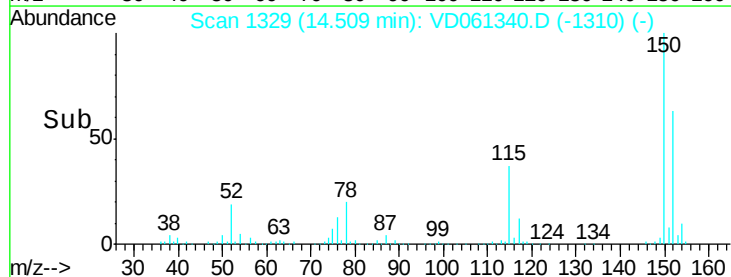
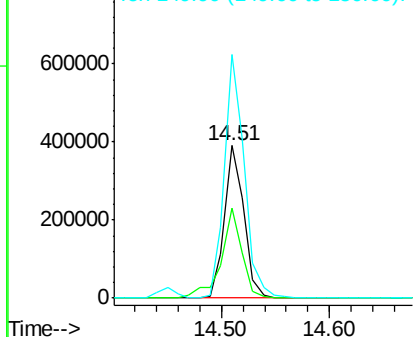


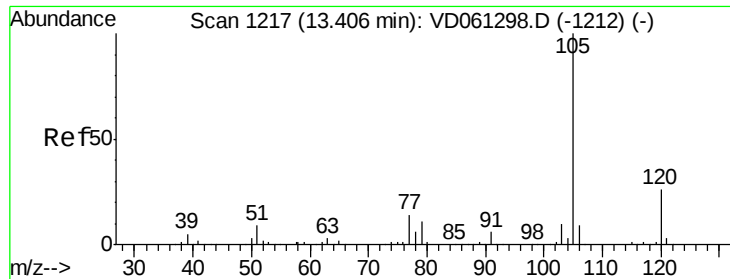
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.51 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.2  | 29.2  | 87.6  |
| 150     | 159.7 | 0.0   | 319.6 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





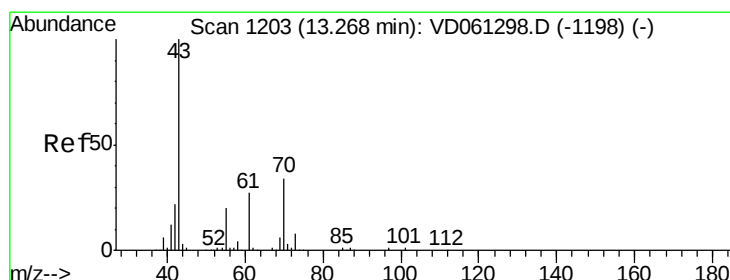
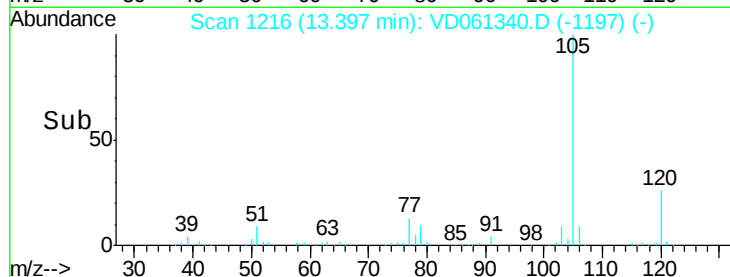
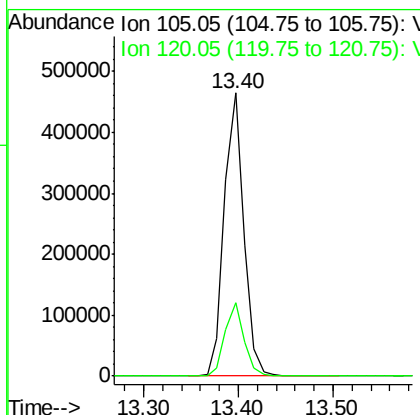
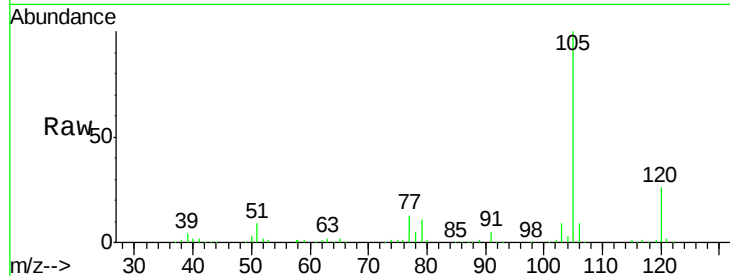
#73  
Isopropylbenzene  
Concen: 20.949 ug/l  
RT: 13.40 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

Tot Ion: 105 Resp: 663984  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.1 39.1

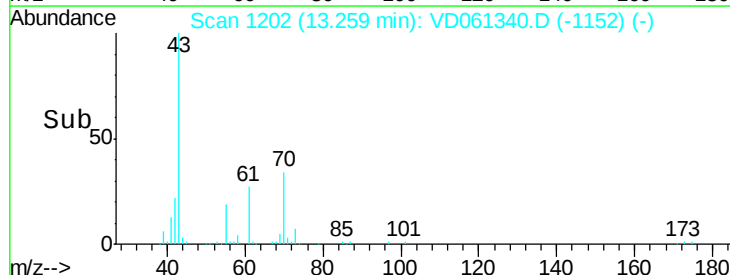
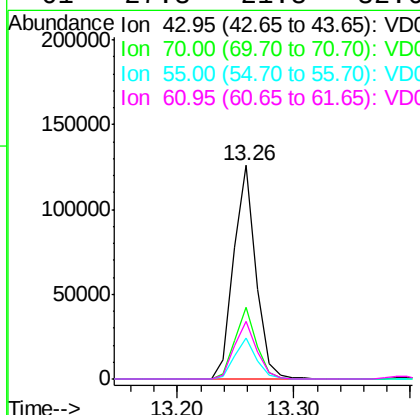
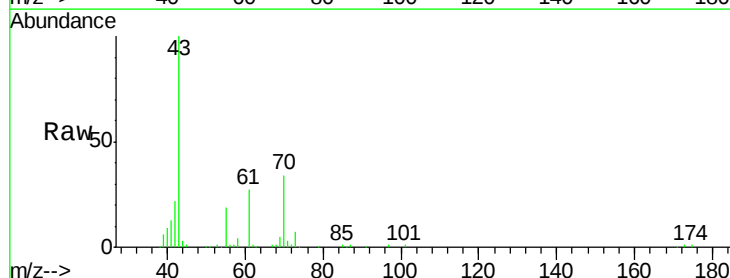
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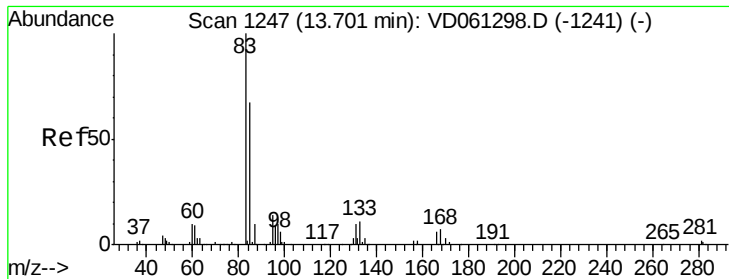
MMDadoda  
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#74  
N-ethyl acetate  
Concen: 20.083 ug/l  
RT: 13.26 min Scan# 1202  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Tgt Ion: 43 Resp: 166533  
Ion Ratio Lower Upper  
43 100  
70 33.8 27.5 41.3  
55 19.1 15.7 23.5  
61 27.3 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.086 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

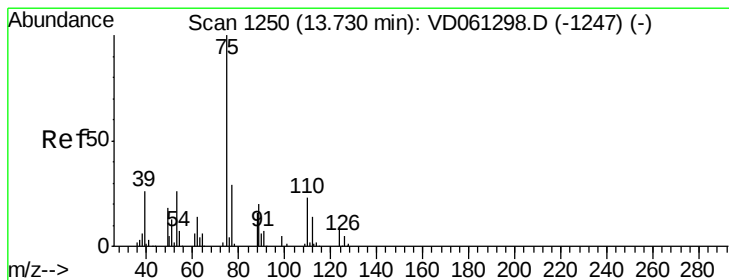
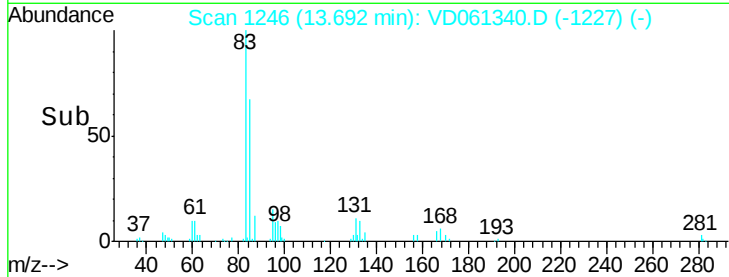
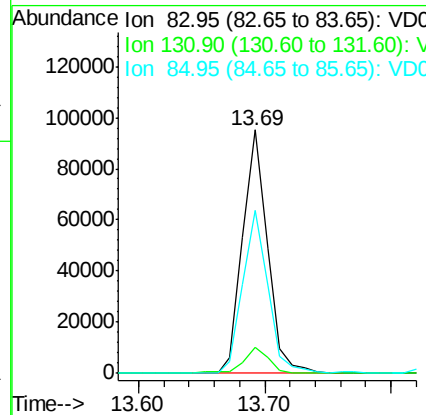
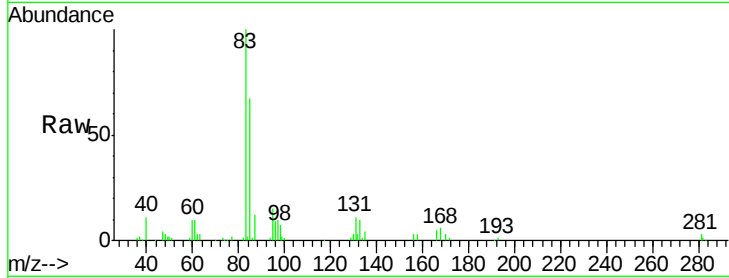
ClientSampleId :

VD0326SBS01

| Tot Ion   | 83    | Resp  | 129602 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.0   | 15.0   |
| 85        | 66.8  | 33.4  | 100.2  |

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#76

1,2,3-Trichloropropane

Concen: 20.966 ug/l

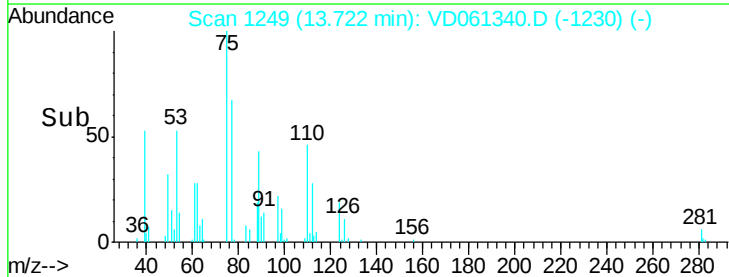
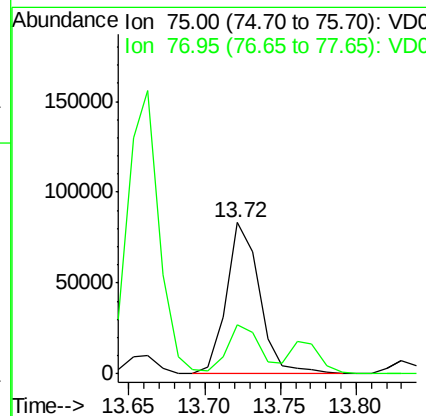
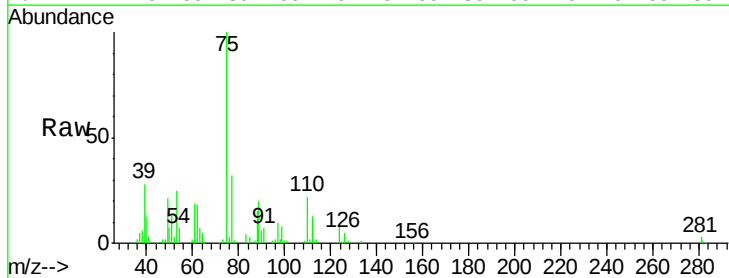
RT: 13.72 min Scan# 1249

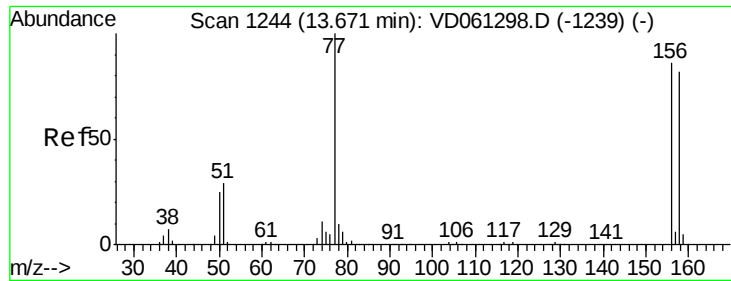
Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

| Tgt Ion   | 75    | Resp  | 127055 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.4  | 15.8  | 47.4   |





#77

Bromobenzene

Concen: 20.387 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

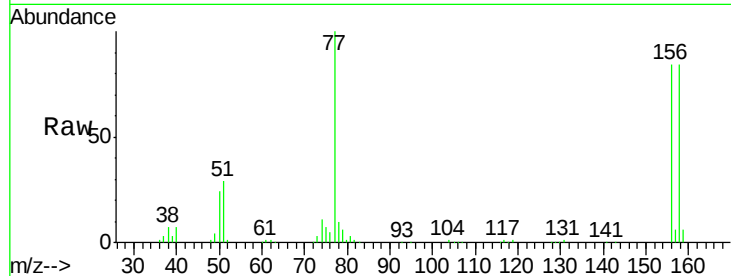
ClientSampleId :

VD0326SBSD01

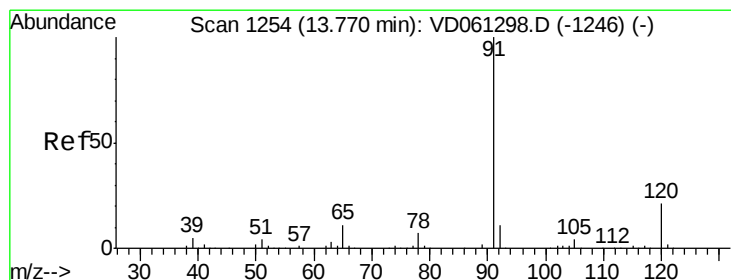
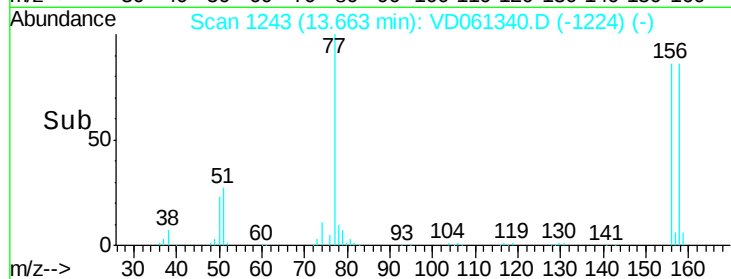
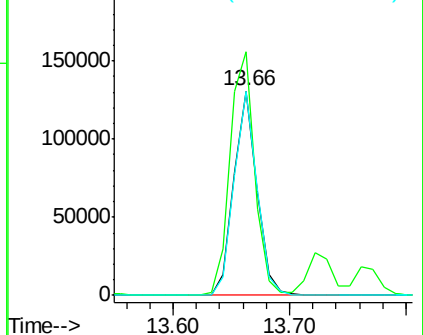
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 180488 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 119.2 | 58.4  | 175.1  |
| 158       | 99.6  | 48.1  | 144.3  |

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Abundance Ion 155.90 (155.60 to 156.60): V  
Ion 76.95 (76.65 to 77.65): V  
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.527 ug/l

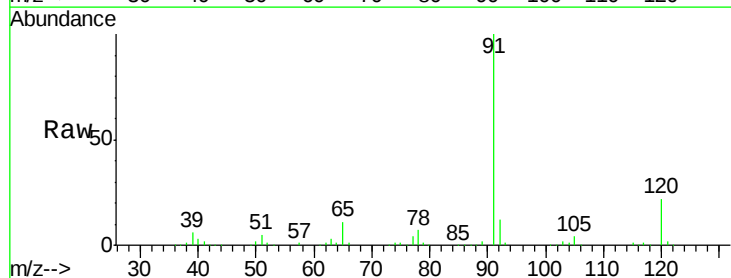
RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

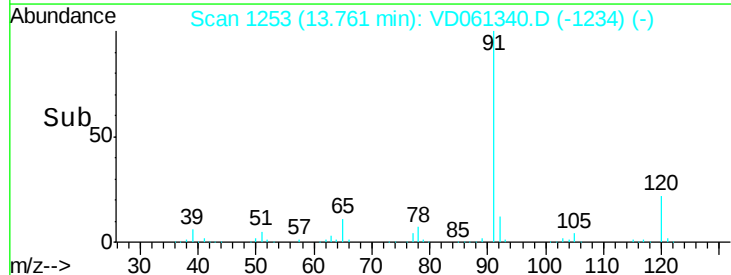
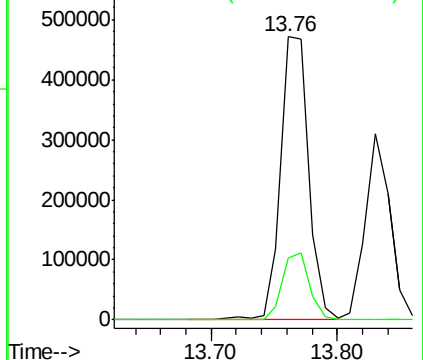
Lab File: VD061340.D

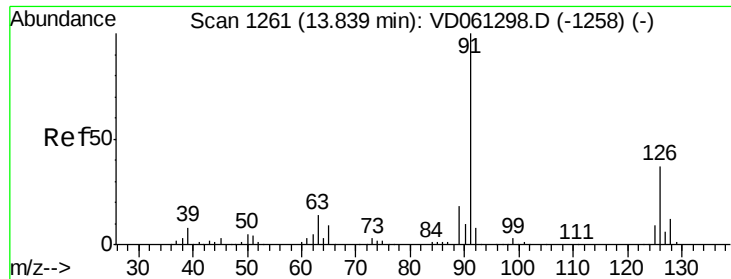
Acq: 26 Mar 2019 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 733995 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 21.7  | 10.7  | 32.1   |



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.308 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion: 91 Resp: 422808

Ion Ratio Lower Upper

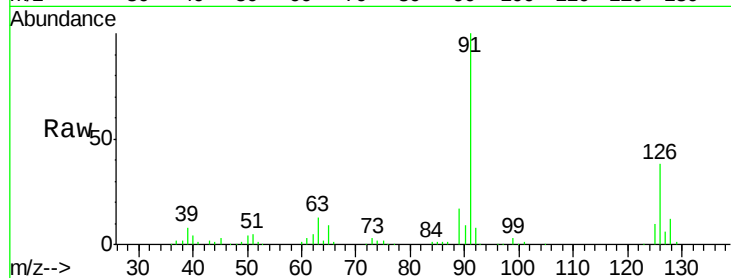
91 100

126 37.8 18.4 55.4

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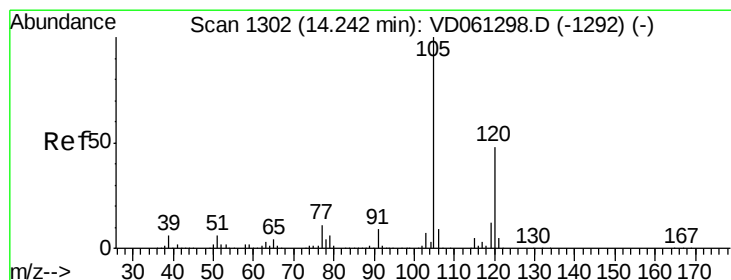
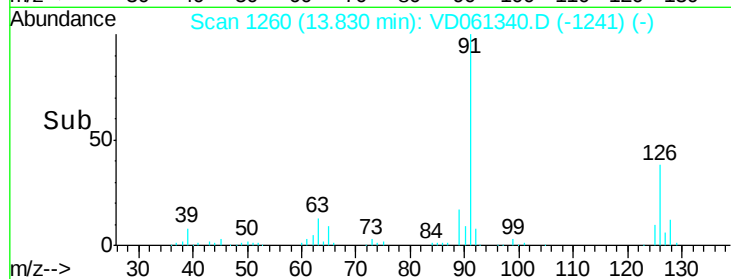
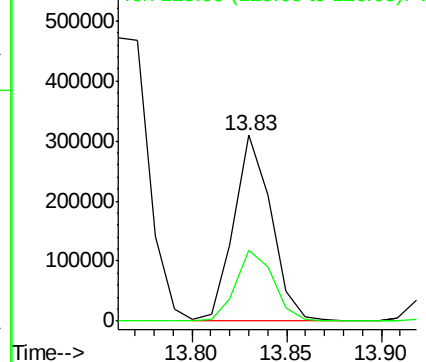
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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.291 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061340.D

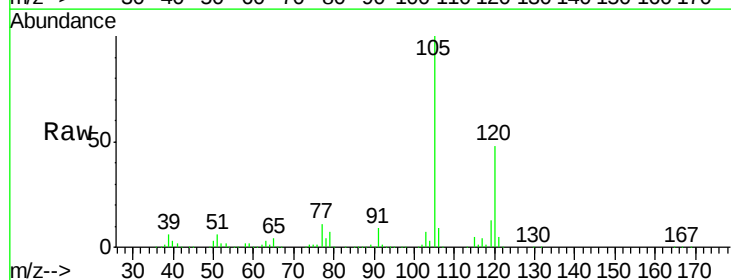
Acq: 26 Mar 2019 17:08

Tgt Ion: 105 Resp: 532356

Ion Ratio Lower Upper

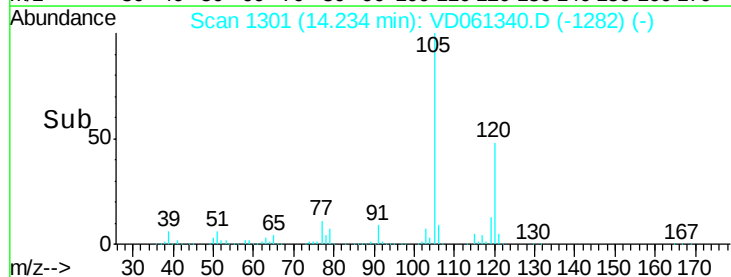
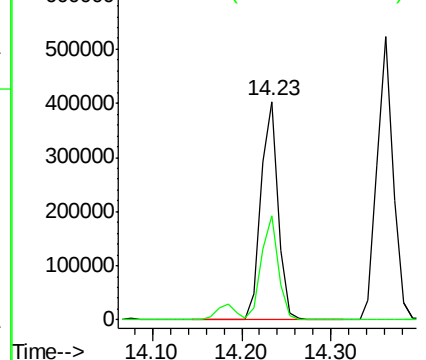
105 100

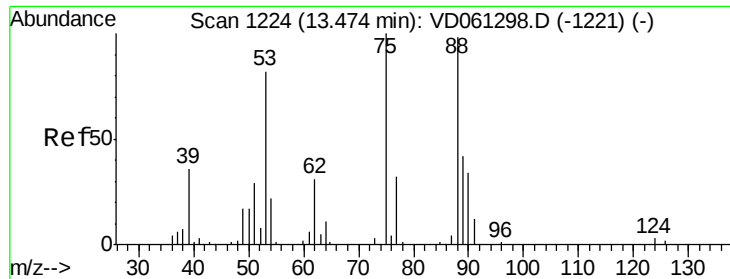
120 47.7 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)





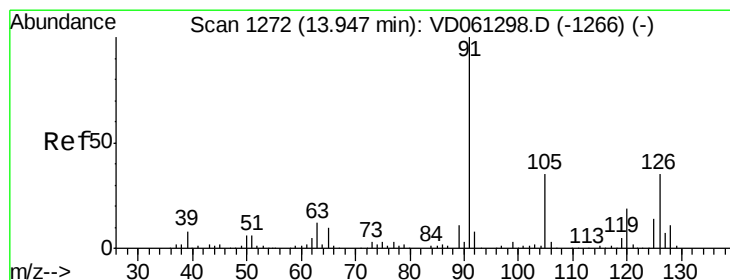
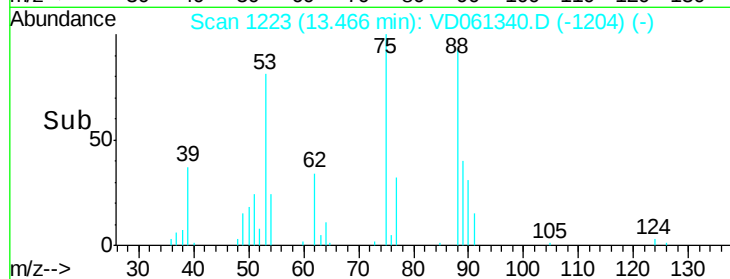
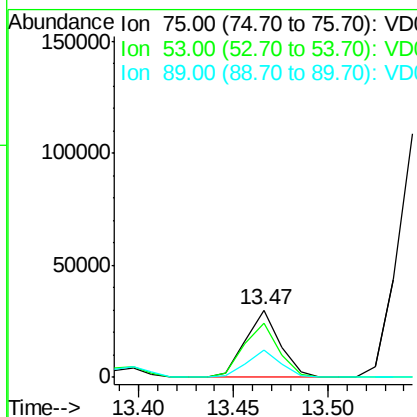
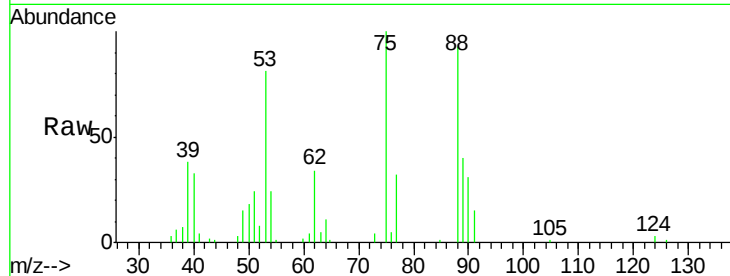
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.930 ug/l  
RT: 13.47 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 80.9  | 65.3  | 97.9  |
| 89      | 39.5  | 33.8  | 50.6  |

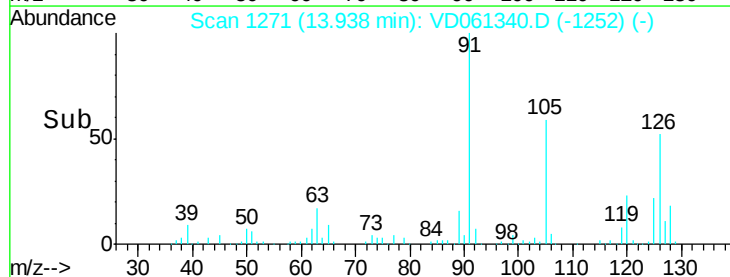
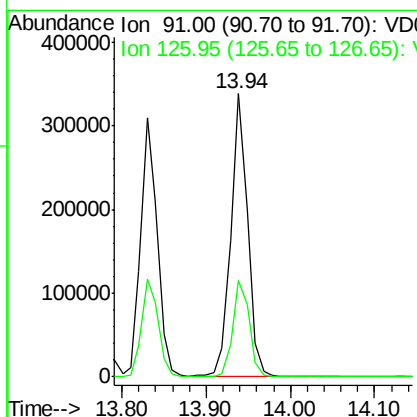
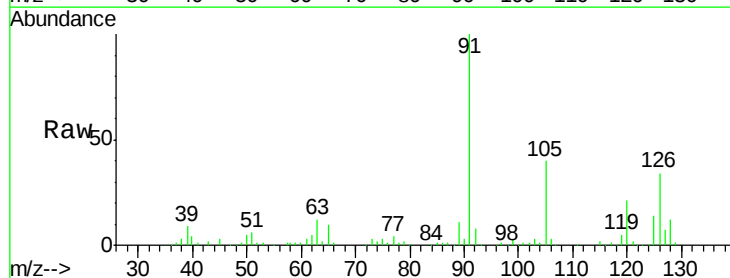
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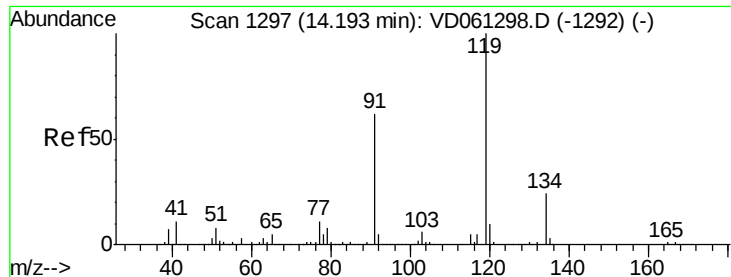
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 20.489 ug/l  
RT: 13.94 min Scan# 1271  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 34.0  | 17.7  | 53.1  |





#83

tert-Butylbenzene

Concen: 20.004 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

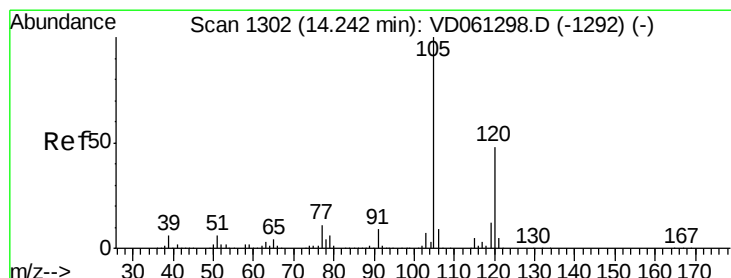
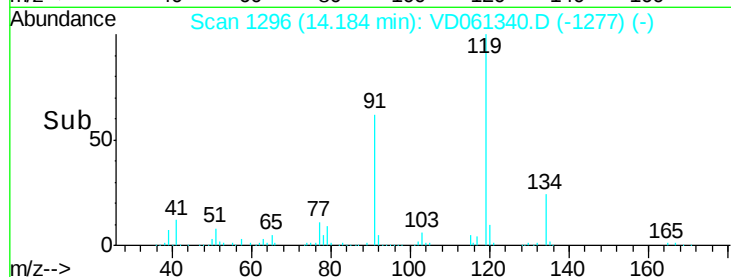
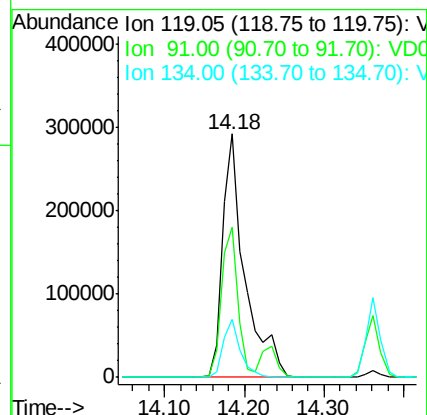
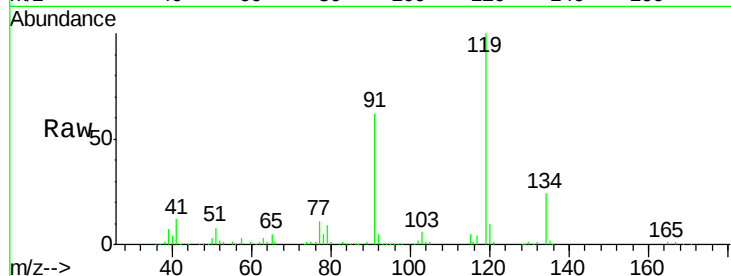
ClientSampleID :

VD0326SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 571082 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 61.9  | 31.1  | 93.5   |
| 134       | 24.0  | 11.9  | 35.7   |

Manual Integrations  
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3/27/2019 12:02:28 PM



#84

1,2,4-Trimethylbenzene

Concen: 21.291 ug/l

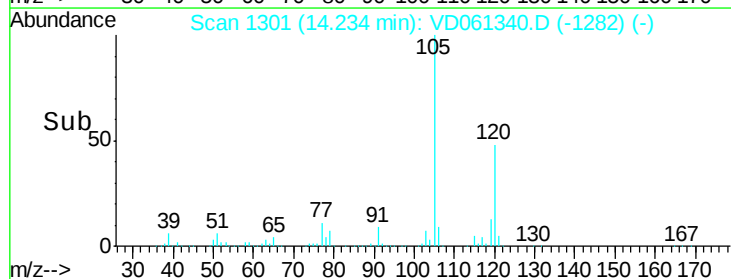
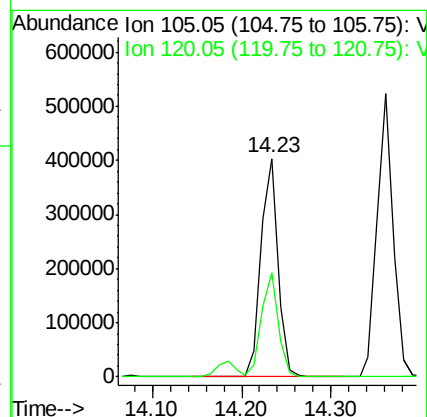
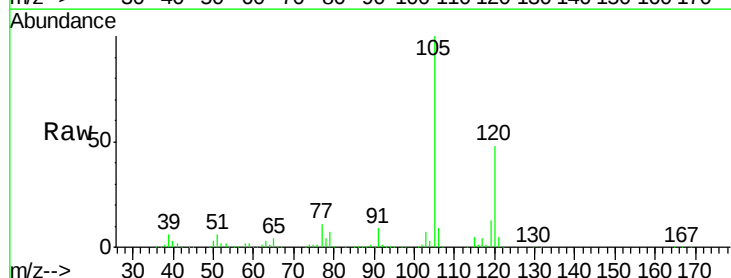
RT: 14.23 min Scan# 1301

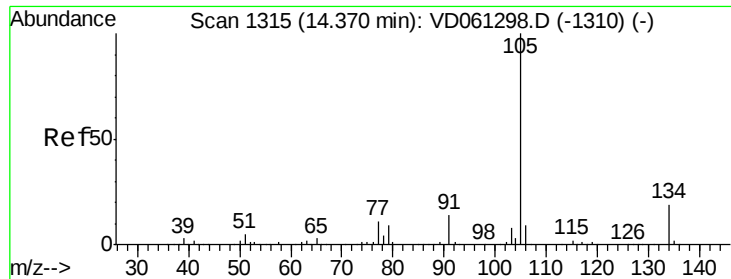
Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 532356 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 47.7  | 23.8  | 71.4   |





#85

sec-Butylbenzene

Concen: 20.447 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

Instrument :

MSVOA\_D

ClientSampleId :

VD0326SBS01

Tot Ion:105 Resp: 650076

Ion Ratio Lower Upper

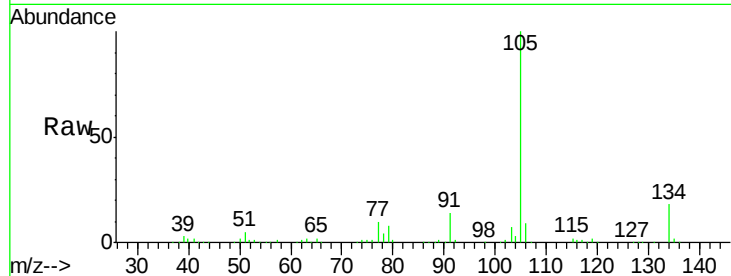
105 100

134 18.3 9.5 28.5

Manual Integrations  
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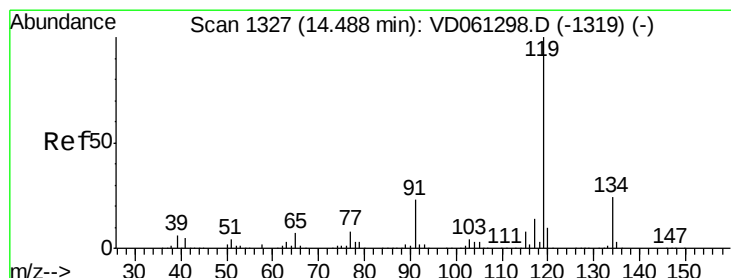
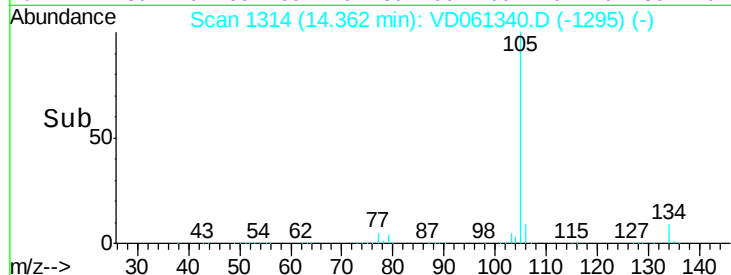
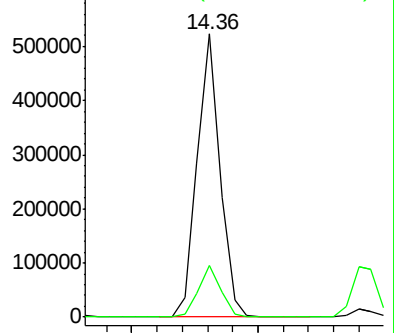
MMDadoda

3/27/2019 12:02:28 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.896 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VD061340.D

Acq: 26 Mar 2019 17:08

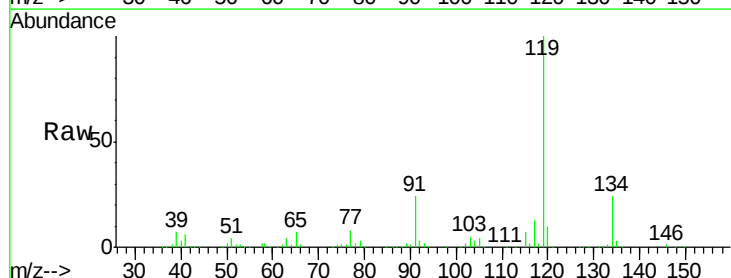
Tgt Ion:119 Resp: 535971

Ion Ratio Lower Upper

119 100

134 24.1 12.1 36.3

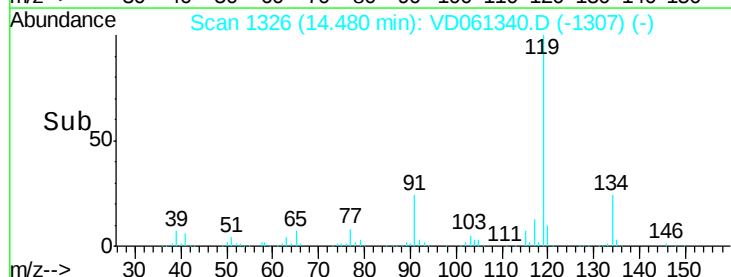
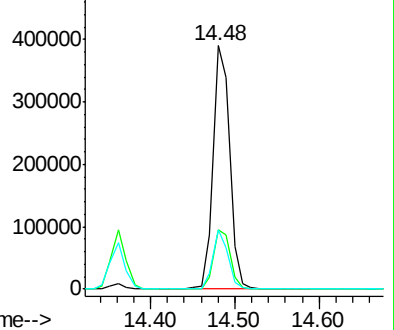
91 24.1 11.4 34.2

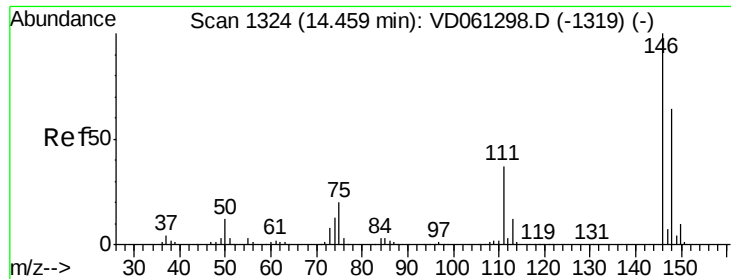


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





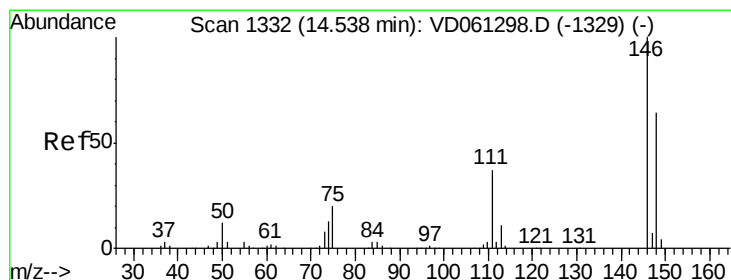
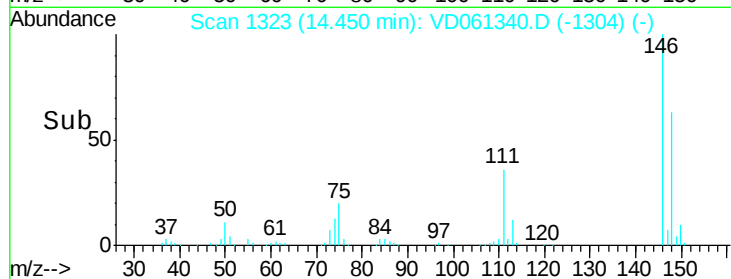
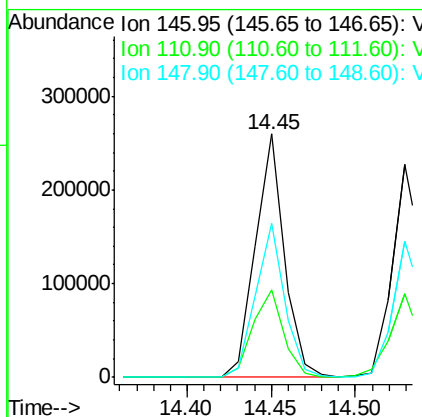
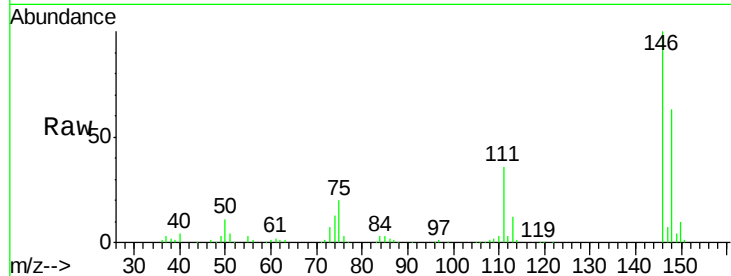
#87  
 1,3-Dichlorobenzene  
 Concen: 19.742 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.1  | 18.4  | 55.0  |
| 148     | 63.5  | 32.0  | 96.2  |

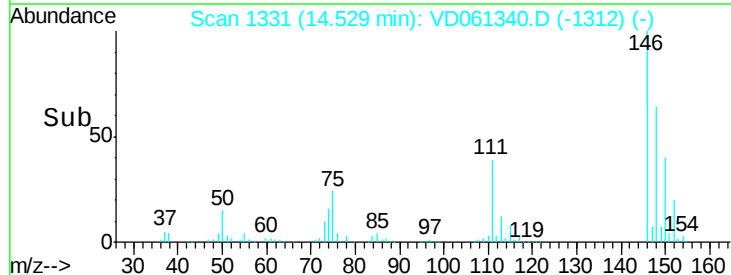
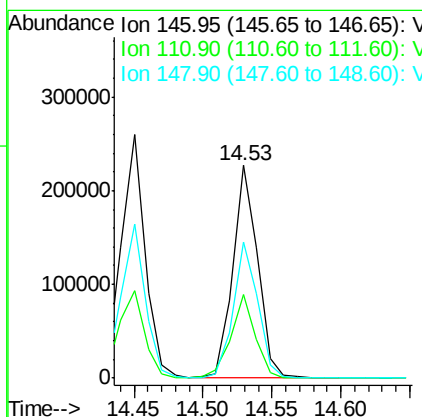
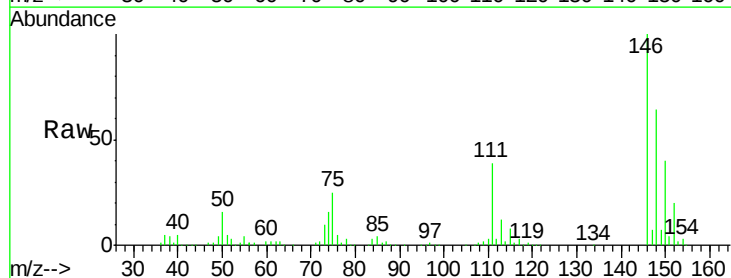
Manual Integrations  
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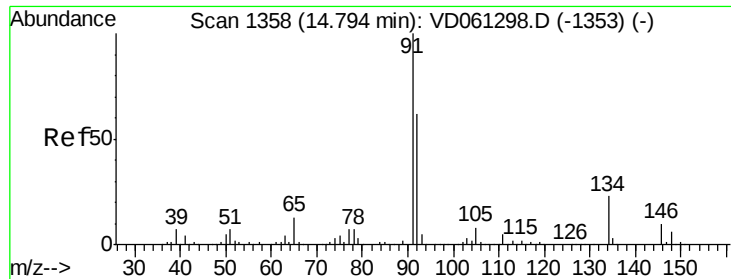
MMDadoda  
 3/27/2019 12:02:28 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 18.787 ug/l  
 RT: 14.53 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 18.6  | 55.6  |
| 148     | 64.1  | 31.9  | 95.5  |





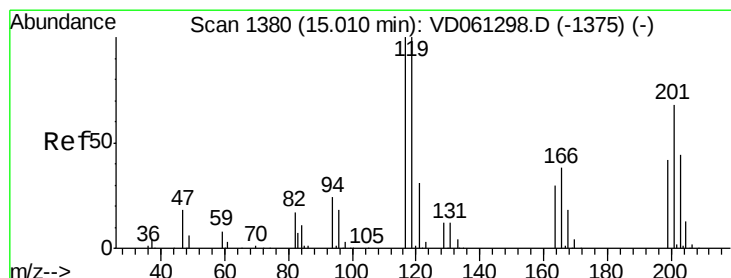
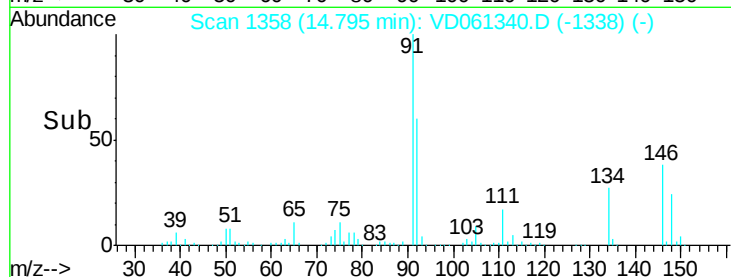
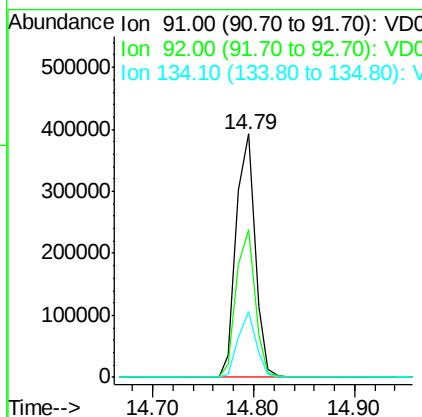
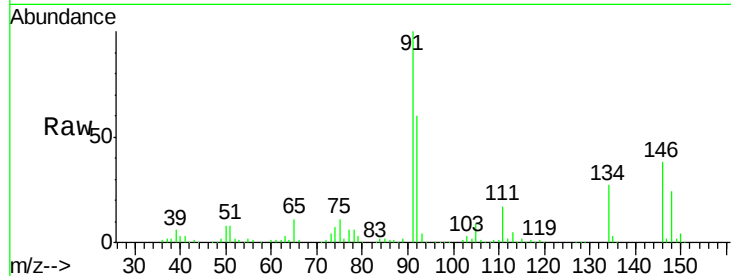
#89  
n-Butylbenzene  
Concen: 20.369 ug/l  
RT: 14.79 min Scan# 1358  
Delta R.T. 0.00 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 60.4  | 30.9  | 92.7  |
| 134     | 27.2  | 11.7  | 35.0  |

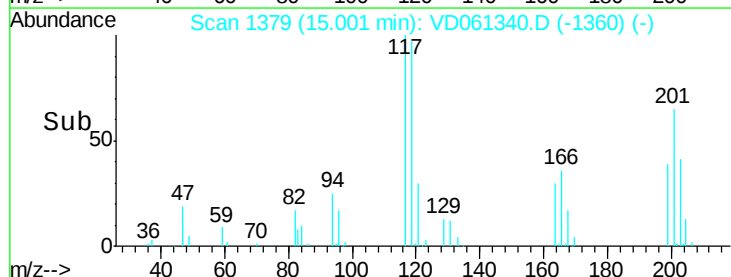
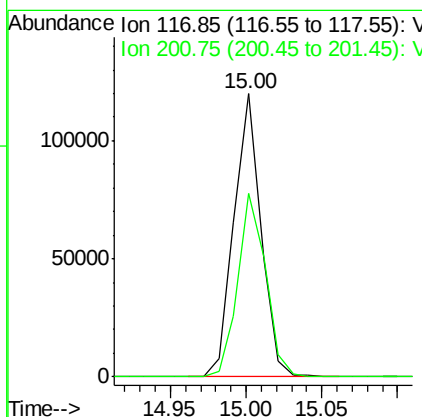
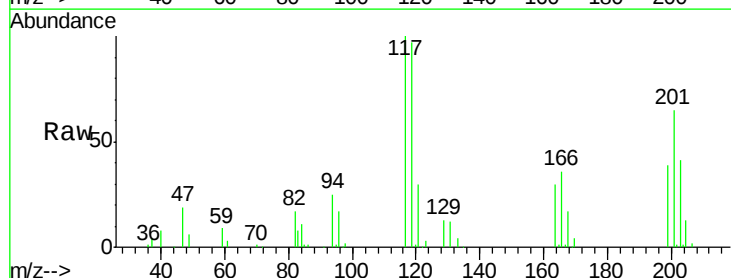
Manual Integrations  
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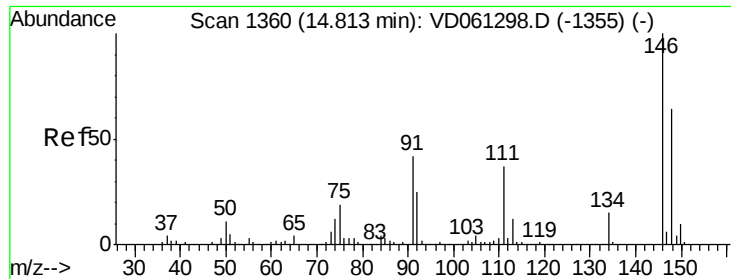
MMDadoda  
3/27/2019 12:02:28 PM



#90  
Hexachloroethane  
Concen: 19.477 ug/l  
RT: 15.00 min Scan# 1379  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 64.8  | 34.0  | 101.8 |





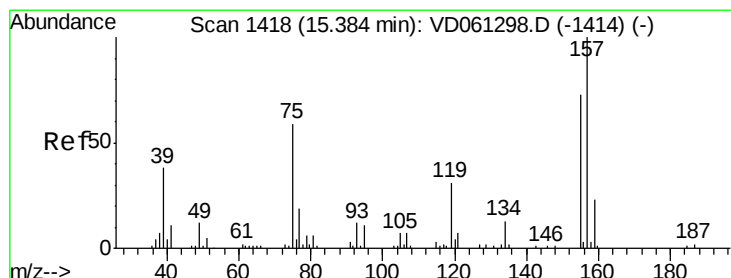
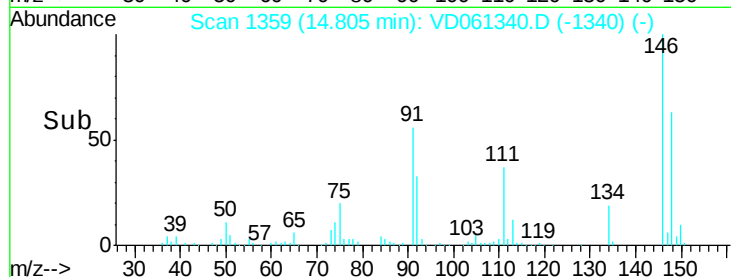
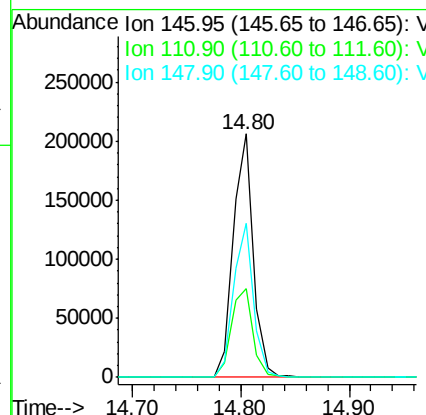
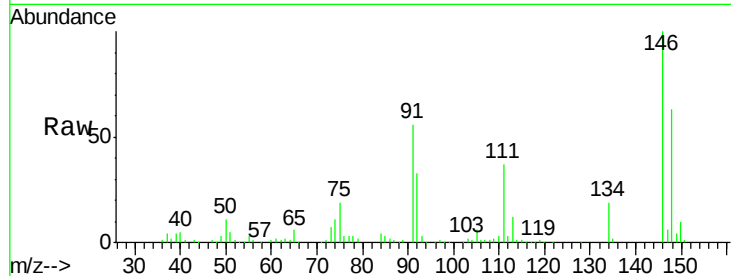
#91  
 1,2-Dichlorobenzene  
 Concen: 21.197 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.6  | 18.3  | 54.8  |
| 148     | 63.3  | 31.9  | 95.7  |

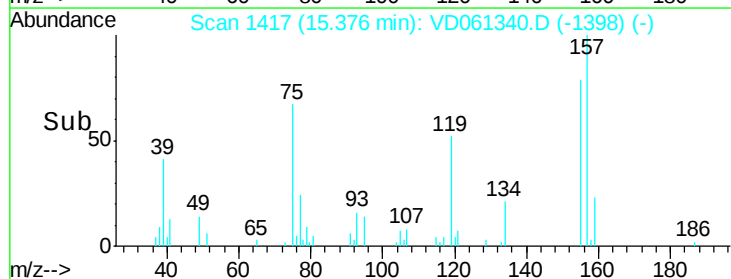
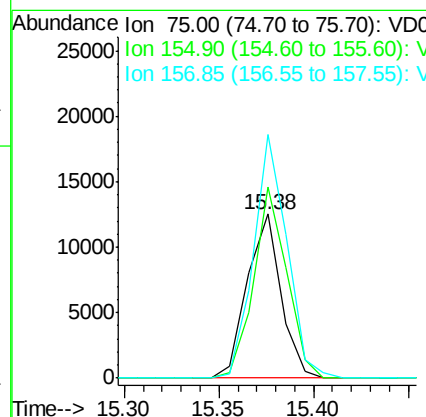
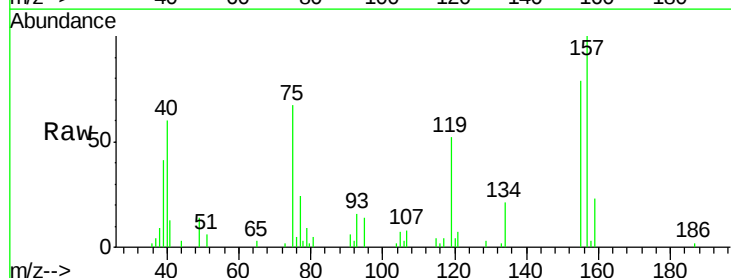
Manual Integrations  
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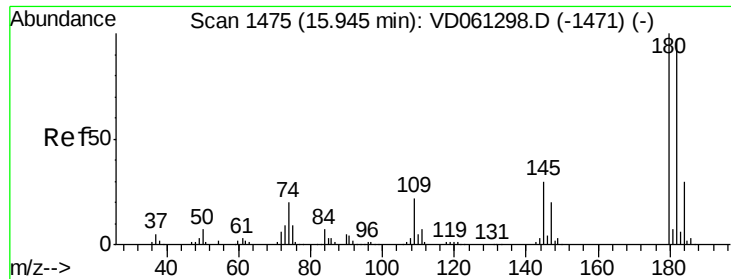
MMDadoda  
 3/27/2019 12:02:28 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.168 ug/l  
 RT: 15.38 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 116.7 | 61.9  | 185.7 |
| 157     | 148.3 | 84.4  | 253.2 |





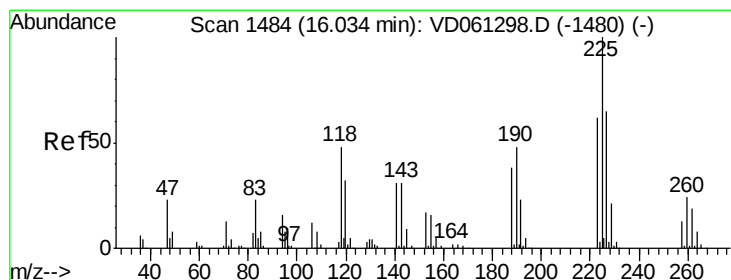
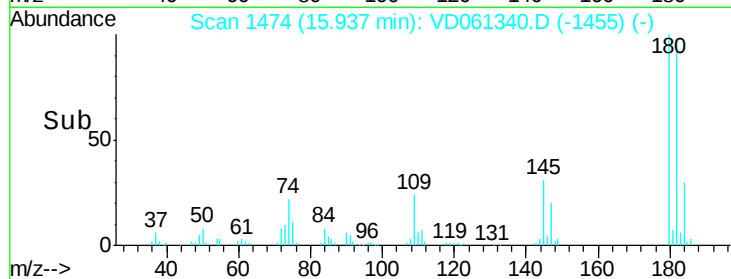
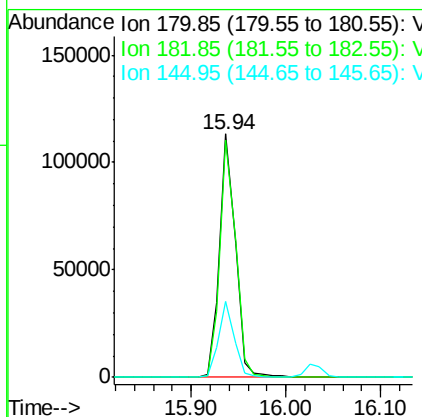
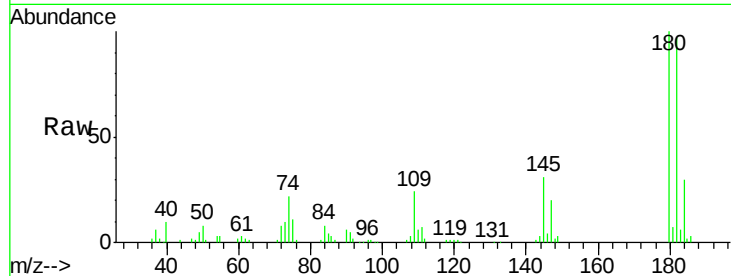
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.971 ug/l  
 RT: 15.94 min Scan# 1474  
 Delta R.T. -0.01 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0326SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.5  | 48.3  | 144.9 |
| 145     | 31.0  | 14.8  | 44.4  |

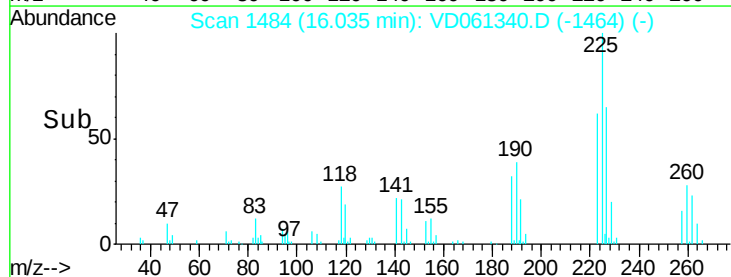
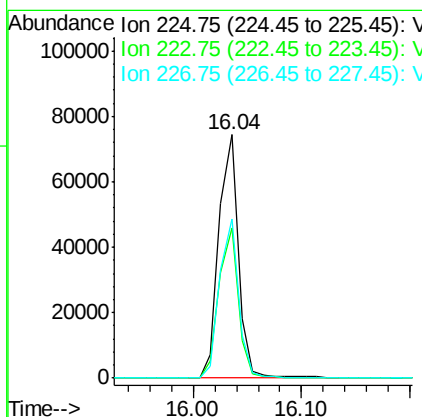
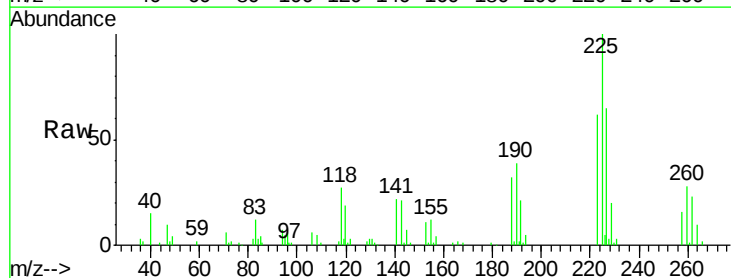
Manual Integrations  
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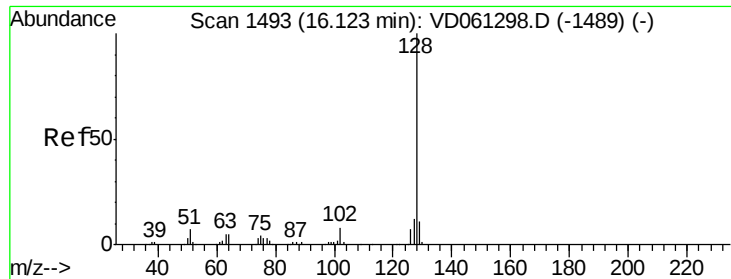
MMDadoda  
 3/27/2019 12:02:28 PM



#94  
 Hexachlorobutadiene  
 Concen: 20.111 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. 0.00 min  
 Lab File: VD061340.D  
 Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.5  | 30.9  | 92.8  |
| 227     | 65.5  | 32.6  | 97.7  |





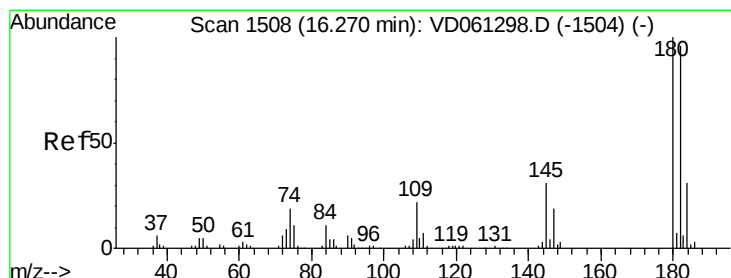
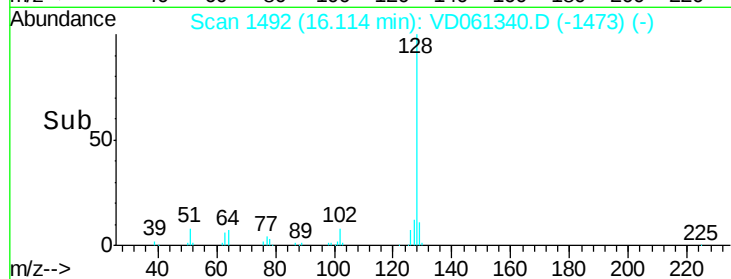
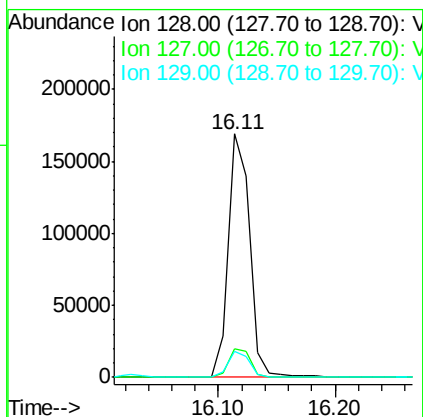
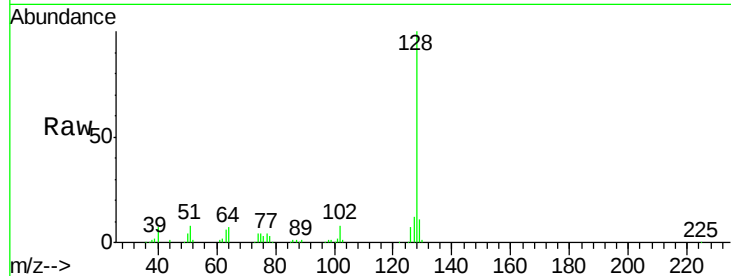
#95  
Naphthalene  
Concen: 25.456 ug/l  
RT: 16.11 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0326SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 214796 |       |       |
| 127     | 11.6  |        | 9.8   | 14.6  |
| 129     | 10.6  |        | 8.6   | 12.8  |

Manual Integrations  
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3/27/2019 12:02:28 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 23.897 ug/l  
RT: 16.26 min Scan# 1507  
Delta R.T. -0.01 min  
Lab File: VD061340.D  
Acq: 26 Mar 2019 17:08

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 64545 |       |       |
| 182     | 90.9  |       | 48.0  | 144.2 |
| 145     | 33.2  |       | 15.4  | 46.4  |

