

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\  
 Data File : VD063149.D  
 Acq On : 19 Jul 2019 13:07  
 Operator : VA/AP  
 Sample : VD0719SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0719SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2019 10:42:57 AM

Quant Time: Jul 20 05:19:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 08:11:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 756438   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1015609  | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 852066   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 492305   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.46   | 65  | 431840   | 45.83 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.66% |      |
| 35) Dibromofluoromethane  | 6.93   | 113 | 482043   | 47.65 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.30% |      |
| 50) Toluene-d8            | 10.41  | 98  | 1023940  | 47.12 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.24% |      |
| 62) 4-Bromofluorobenzene  | 13.55  | 95  | 453742   | 45.14 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.28% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85  | 193483  | 22.343  | ug/l   | 95     |
| 3) Chloromethane              | 1.75 | 50  | 154977  | 20.641  | ug/l   | 90     |
| 4) Vinyl Chloride             | 1.84 | 62  | 160544  | 19.886  | ug/l   | 96     |
| 5) Bromomethane               | 2.14 | 94  | 57917   | 16.628  | ug/l # | 92     |
| 6) Chloroethane               | 2.25 | 64  | 64496   | 17.198  | ug/l # | 80     |
| 7) Trichlorofluoromethane     | 2.52 | 101 | 298034  | 18.236  | ug/l   | 96     |
| 8) Diethyl Ether              | 2.87 | 74  | 46765   | 20.342  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101 | 184526  | 19.581  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.30 | 142 | 215074  | 18.590  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.09 | 59  | 50879   | 93.561  | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.12 | 96  | 129010  | 19.278  | ug/l   | 98     |
| 13) Acrolein                  | 3.03 | 56  | 18154m  | 110.608 | ug/l   |        |
| 14) Allyl chloride            | 3.61 | 41  | 210063  | 19.973  | ug/l # | 90     |
| 15) Acrylonitrile             | 4.19 | 53  | 119934  | 99.771  | ug/l   | 96     |
| 16) Acetone                   | 3.23 | 43  | 203685  | 89.496  | ug/l   | 100    |
| 17) Carbon Disulfide          | 3.36 | 76  | 362996  | 18.951  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.64 | 43  | 102423  | 31.834  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 4.23 | 73  | 330768  | 19.581  | ug/l   | 99     |
| 20) Methylene Chloride        | 3.81 | 84  | 159772  | 18.582  | ug/l   | 89     |
| 21) trans-1,2-Dichloroethene  | 4.21 | 96  | 139382  | 18.762  | ug/l   | 94     |
| 22) Diisopropyl ether         | 5.13 | 45  | 443664  | 19.402  | ug/l # | 95     |
| 23) Vinyl Acetate             | 5.06 | 43  | 1241987 | 93.097  | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 4.98 | 63  | 272054  | 19.314  | ug/l   | 97     |
| 25) 2-Butanone                | 6.08 | 43  | 211502  | 97.318  | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 6.02 | 77  | 302973  | 19.435  | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 6.03 | 96  | 171484  | 20.292  | ug/l   | 99     |
| 28) Bromochloromethane        | 6.44 | 49  | 108250  | 21.183  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 6.47 | 42  | 97428   | 98.894  | ug/l   | 95     |
| 30) Chloroform                | 6.66 | 83  | 351243  | 20.248  | ug/l   | 90     |
| 31) Cyclohexane               | 6.95 | 56  | 164782  | 18.370  | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 6.87 | 97  | 318962  | 18.646  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.14 | 75  | 216505  | 18.954  | ug/l # | 87     |
| 37) Ethyl Acetate             | 6.19 | 43  | 100402  | 20.539  | ug/l # | 90     |
| 38) Carbon Tetrachloride      | 7.12 | 117 | 312197  | 17.987  | ug/l   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\  
 Data File : VD063149.D  
 Acq On : 19 Jul 2019 13:07  
 Operator : VA/AP  
 Sample : VD0719SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0719SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 7/22/2019 10:42:57 AM

Quant Time: Jul 20 05:19:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 08:11:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 178482   | 18.074  | ug/l   | 95       |
| 40) Benzene                    | 7.46  | 78   | 460840   | 19.263  | ug/l   | 96       |
| 41) Methacrylonitrile          | 6.47  | 41   | 133029   | 20.072  | ug/l # | 84       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 237870   | 18.663  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 132479   | 18.907  | ug/l # | 98       |
| 44) Trichloroethene            | 8.54  | 130  | 180310   | 19.503  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 121619   | 20.390  | ug/l   | 92       |
| 46) Dibromomethane             | 9.06  | 93   | 102917   | 20.079  | ug/l   | 93       |
| 47) Bromodichloromethane       | 9.38  | 83   | 255287   | 19.087  | ug/l   | 95       |
| 48) Methyl methacrylate        | 9.12  | 41   | 91848    | 19.961  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 15831    | 398.931 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 483776   | 104.097 | ug/l   | 98       |
| 52) Toluene                    | 10.51 | 92   | 297882   | 18.647  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 10.91 | 75   | 219396   | 19.146  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 227549   | 19.205  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 11.19 | 97   | 112415   | 20.362  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 11.04 | 69   | 115748   | 18.765  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 166323   | 19.799  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 332622   | 96.846  | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.54 | 43   | 355797   | 99.271  | ug/l   | 94       |
| 60) Dibromochloromethane       | 11.69 | 129  | 205757   | 19.443  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 134520   | 20.356  | ug/l   | 97       |
| 64) Tetrachloroethene          | 11.26 | 164  | 161419   | 19.524  | ug/l   | 96       |
| 65) Chlorobenzene              | 12.40 | 112  | 393148   | 19.628  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.52 | 131  | 166112   | 17.888  | ug/l   | 96       |
| 67) Ethyl Benzene              | 12.53 | 91   | 638928   | 18.359  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.67 | 106  | 466904   | 37.457  | ug/l   | 90       |
| 69) o-Xylene                   | 13.05 | 106  | 222739   | 18.845  | ug/l   | 99       |
| 70) Styrene                    | 13.07 | 104  | 380301   | 18.382  | ug/l   | 94       |
| 71) Bromoform                  | 13.24 | 173  | 127308   | 19.582  | ug/l   | 91       |
| 73) Isopropylbenzene           | 13.41 | 105  | 705347   | 18.552  | ug/l   | 96       |
| 74) N-amyl acetate             | 13.27 | 43   | 195610   | 18.448  | ug/l # | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 120025   | 17.351  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 139451   | 18.414  | ug/l   | 99       |
| 77) Bromobenzene               | 13.67 | 156  | 193744   | 17.970  | ug/l   | 95       |
| 78) n-propylbenzene            | 13.78 | 91   | 820924   | 18.763  | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 488558   | 18.469  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 13.94 | 105  | 550123   | 16.602  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.47 | 75   | 32917    | 16.506  | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 530229   | 17.165  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 679945   | 18.148  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 621079   | 18.801  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 649872   | 16.325  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 672999   | 18.123  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 353004   | 18.334  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 366386   | 19.849  | ug/l   | 95       |
| 89) n-Butylbenzene             | 14.80 | 91   | 587792   | 17.173  | ug/l   | 97       |
| 90) Hexachloroethane           | 15.01 | 117  | 176511   | 17.780  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 299646   | 17.477  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 24589    | 18.545  | ug/l   | 77       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\  
Data File : VD063149.D  
Acq On : 19 Jul 2019 13:07  
Operator : VA/AP  
Sample : VD0719SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBSD01

Manual Integrations  
APPROVED

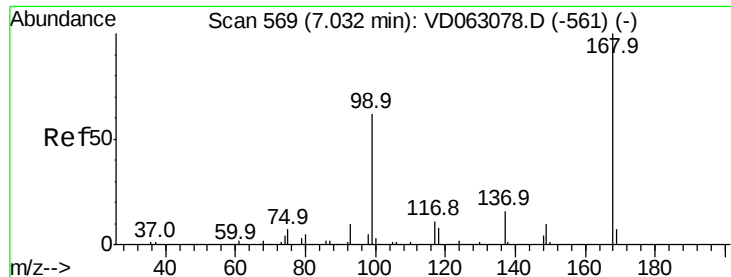
MMDadoda  
7/22/2019 10:42:57 AM

Quant Time: Jul 20 05:19:34 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D071519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 08:11:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 231300   | 17.957 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 163714   | 17.243 | ug/l  | 97       |
| 95) Naphthalene            | 16.12 | 128  | 349007   | 18.523 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 168120   | 16.225 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion:168 Resp: 756438

Ion Ratio Lower Upper

168 100

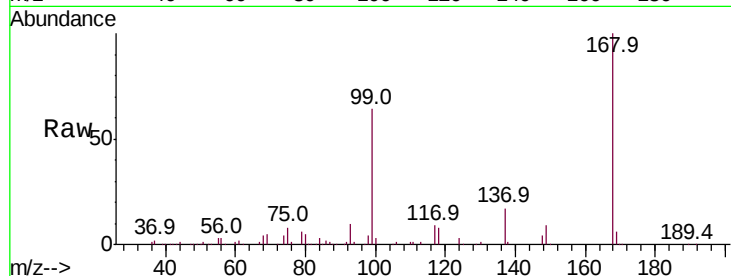
99 64.1 50.8 76.2

Manual Integrations

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7/22/2019 10:42:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

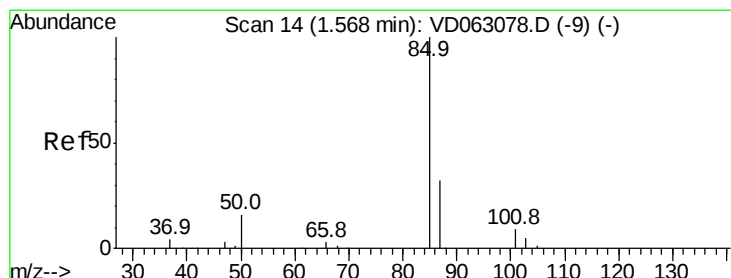
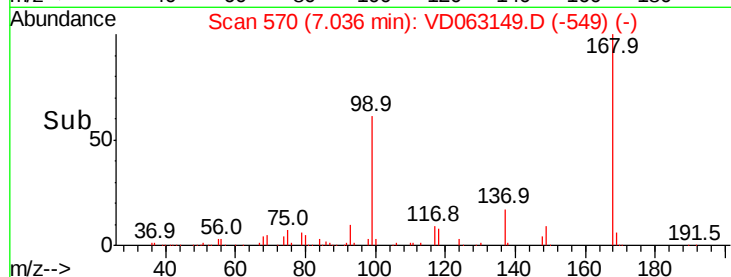
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 22.343 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD063149.D

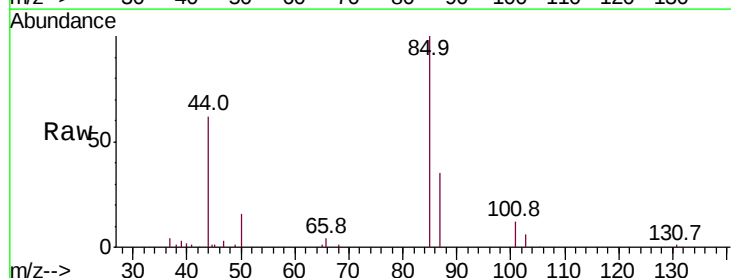
Acq: 19 Jul 2019 13:07

Tgt Ion: 85 Resp: 193483

Ion Ratio Lower Upper

85 100

87 34.8 15.9 47.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

80000

60000

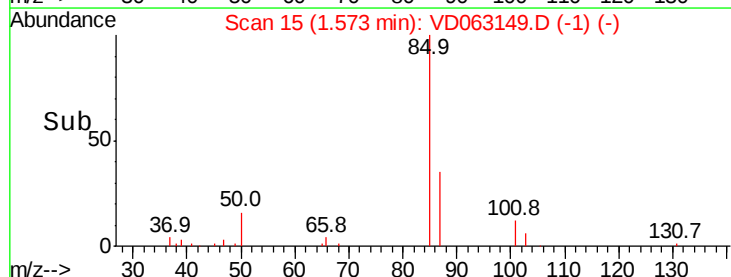
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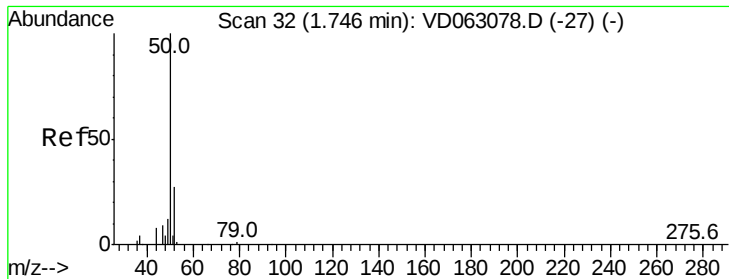
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 20.641 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 50 Resp: 154977

Ion Ratio Lower Upper

50 100

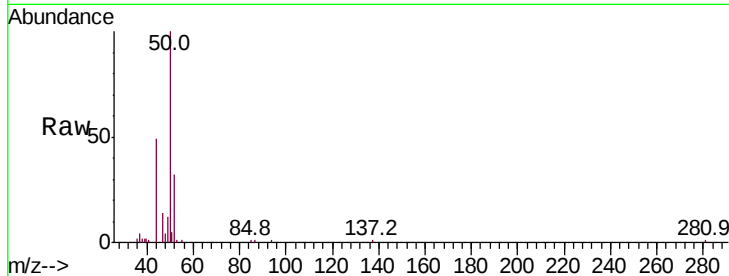
52 32.1 21.4 32.2

Manual Integrations

APPROVED

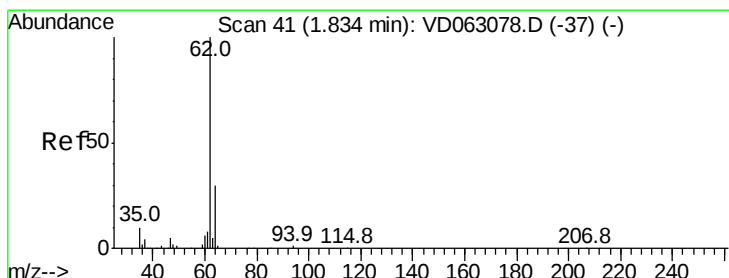
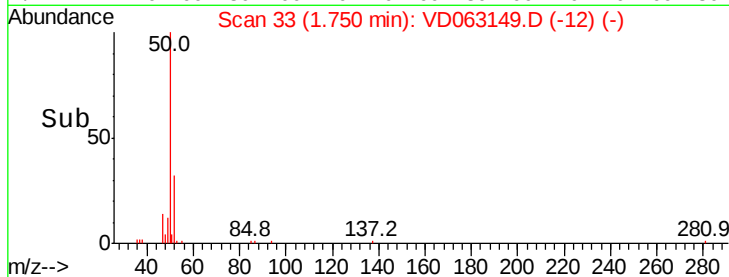
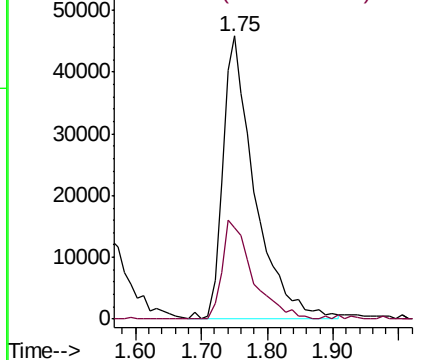
MMDadoda

7/22/2019 10:42:57 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.886 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.00 min

Lab File: VD063149.D

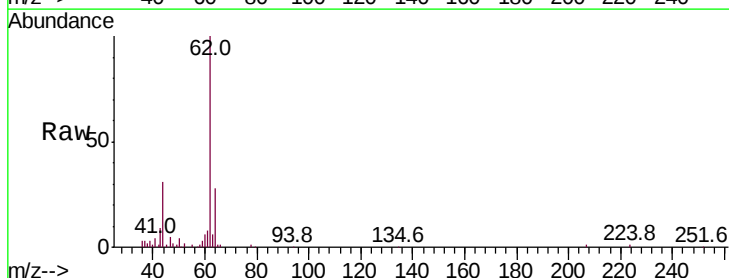
Acq: 19 Jul 2019 13:07

Tgt Ion: 62 Resp: 160544

Ion Ratio Lower Upper

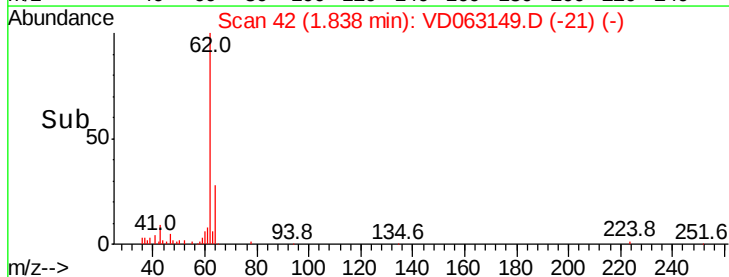
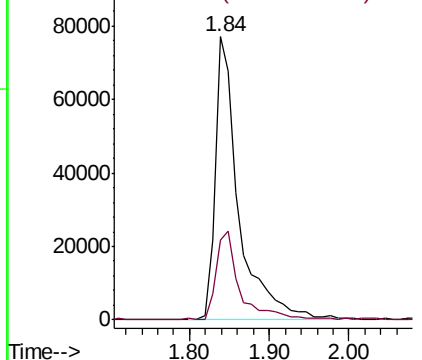
62 100

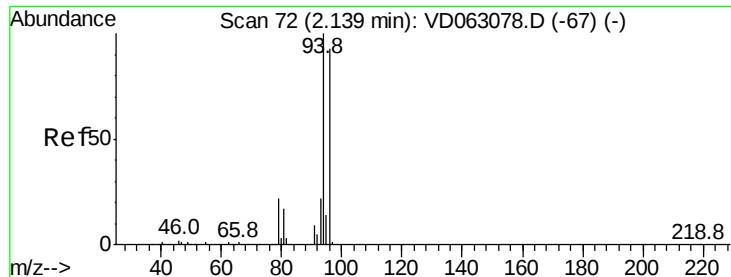
64 28.1 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.628 ug/l

RT: 2.14 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

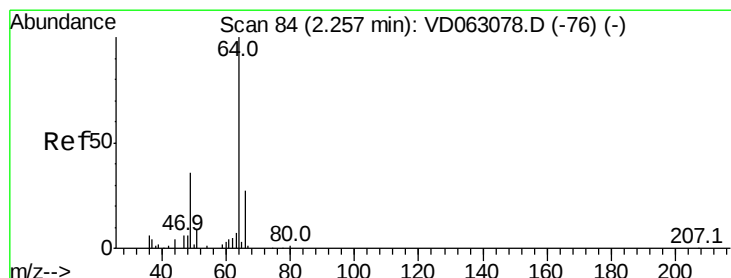
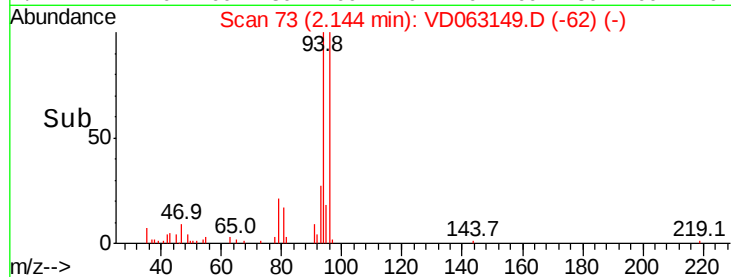
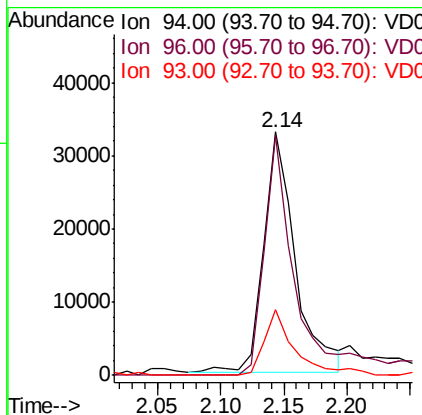
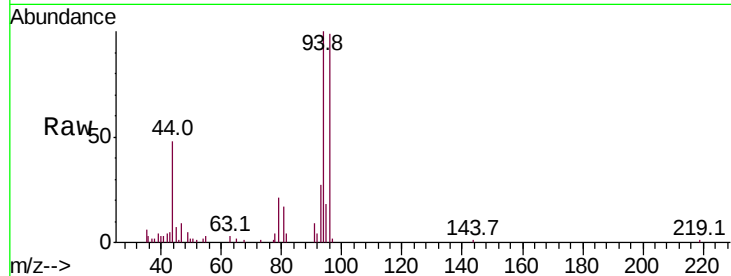
ClientSampleId :

VD0719SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 57917 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 96       | 100.2 | 74.2  | 111.2 |
| 93       | 26.8  | 17.8  | 26.6# |

Manual Integrations  
APPROVED

MMDadoda  
7/22/2019 10:42:57 AM



#6

Chloroethane

Concen: 17.198 ug/l

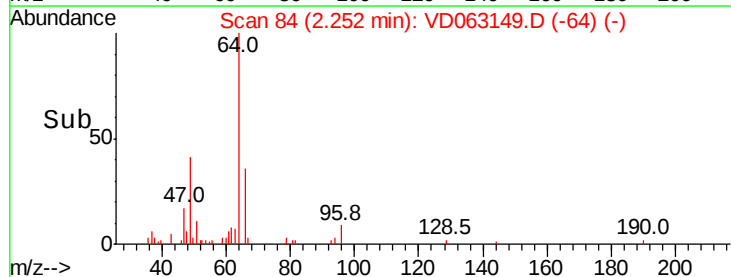
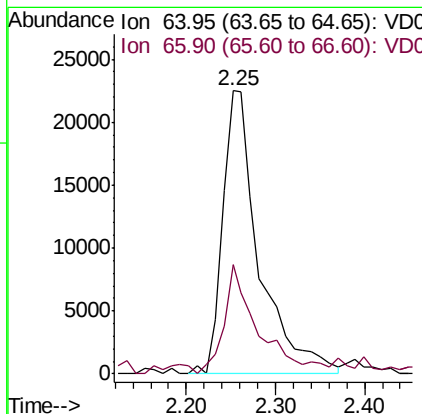
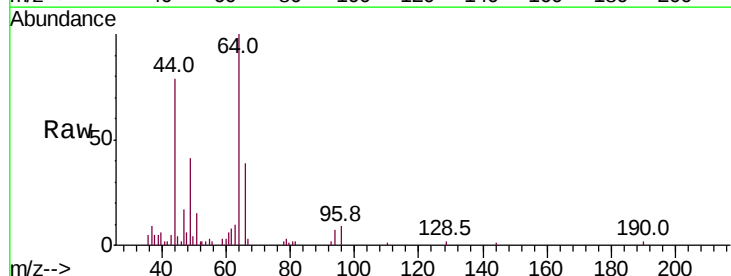
RT: 2.25 min Scan# 84

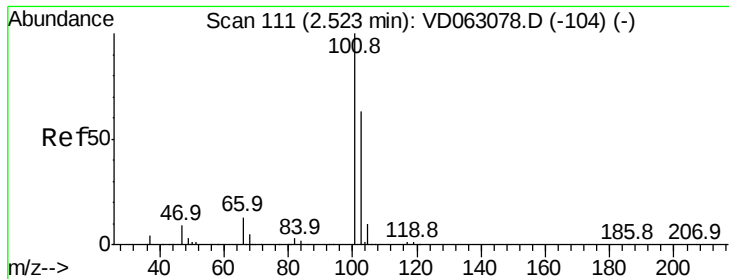
Delta R.T. -0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 64    | Resp: | 64496 |
| Ion      | Ratio | Lower | Upper |
| 64       | 100   |       |       |
| 66       | 38.7  | 22.5  | 33.7# |





#7

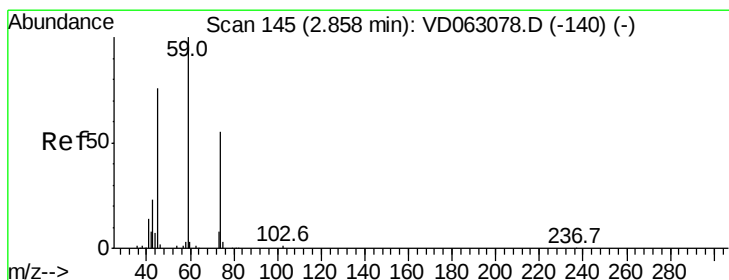
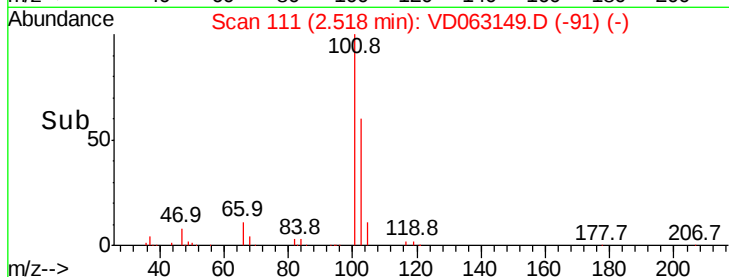
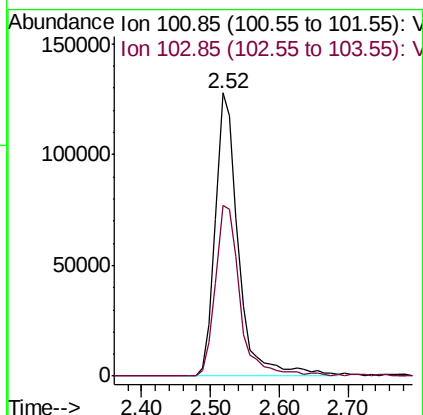
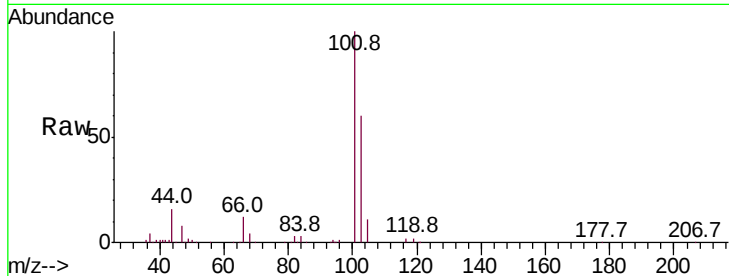
Trichlorofluoromethane  
Concen: 18.236 ug/l  
RT: 2.52 min Scan# 111  
Delta R.T. -0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBSD01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 298034 |       |       |
| 103     | 60.3  | 50.6   | 76.0  |       |

Manual Integrations  
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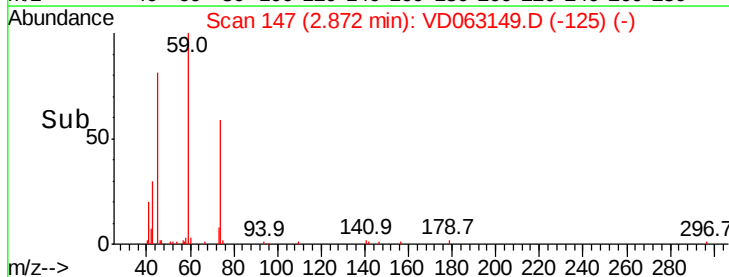
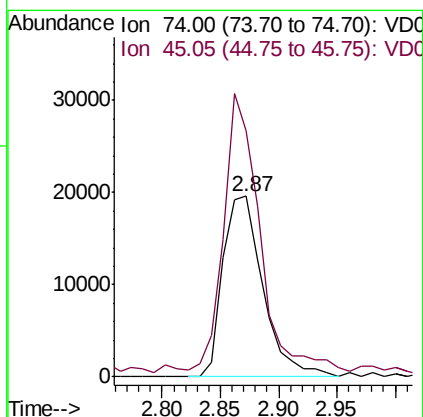
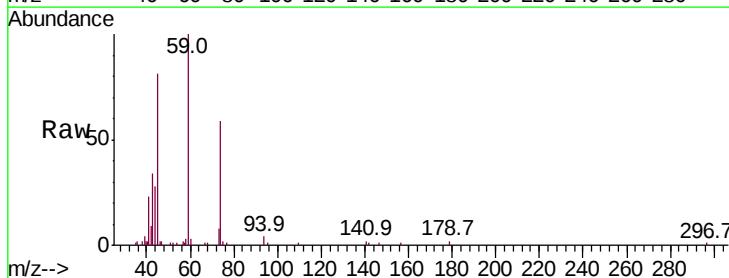
MMDadoda  
7/22/2019 10:42:57 AM

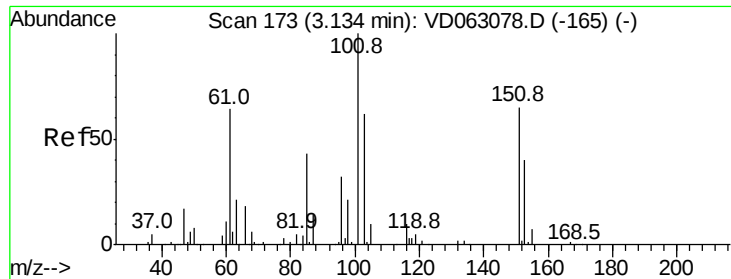


#8

Diethyl Ether  
Concen: 20.342 ug/l  
RT: 2.87 min Scan# 147  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 74      | 100   | 46765 |       |       |
| 45      | 136.5 | 69.5  | 208.7 |       |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.581 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

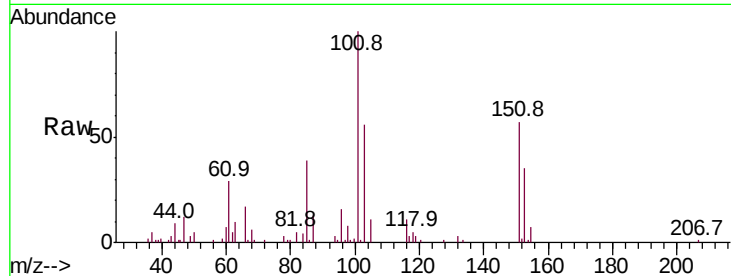
ClientSampleId :

VD0719SBS01

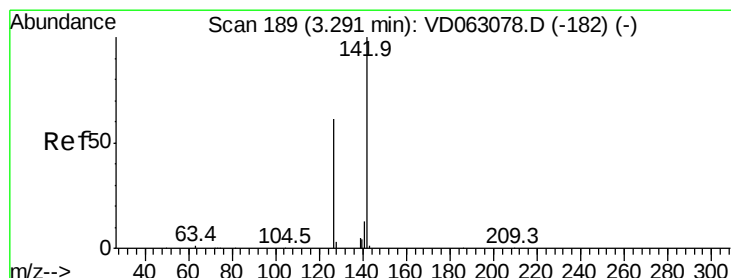
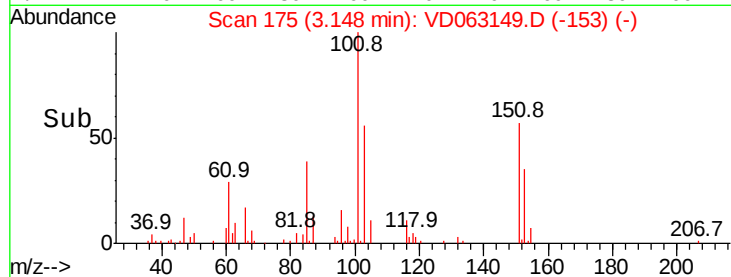
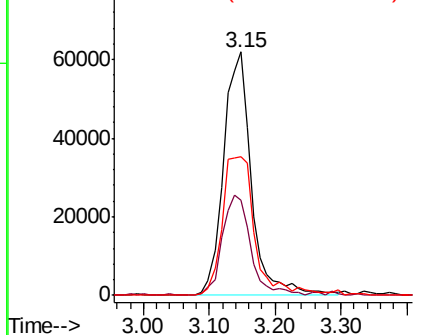
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 184526 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 39.0  | 34.6  | 51.8   |
| 151       | 57.1  | 52.4  | 78.6   |

Manual Integrations  
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7/22/2019 10:42:57 AM



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: 18.590 ug/l

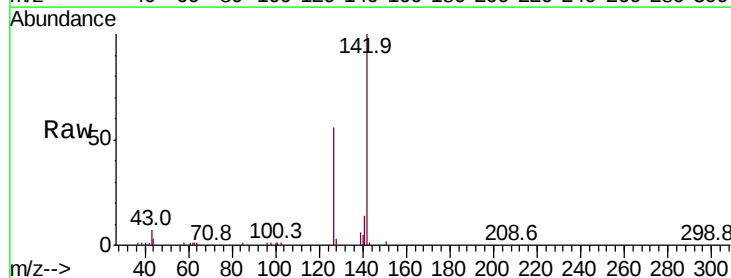
RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

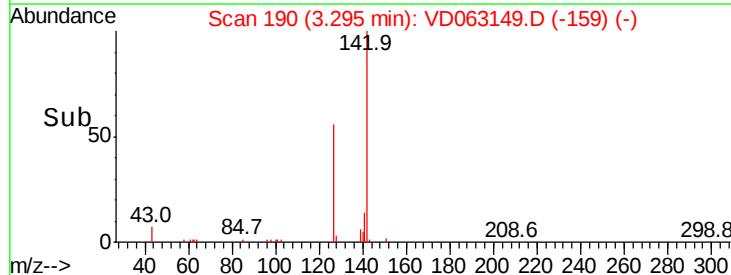
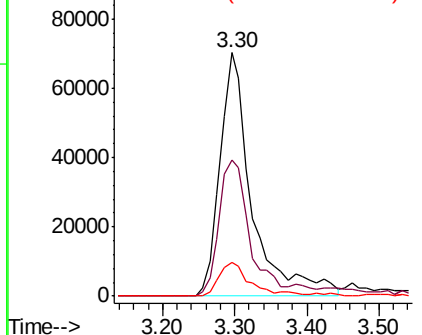
Lab File: VD063149.D

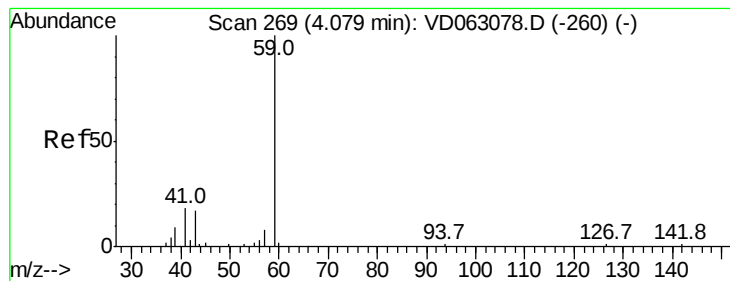
Acq: 19 Jul 2019 13:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 215074 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 56.1  | 48.6  | 73.0   |
| 141       | 13.8  | 10.6  | 16.0   |



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

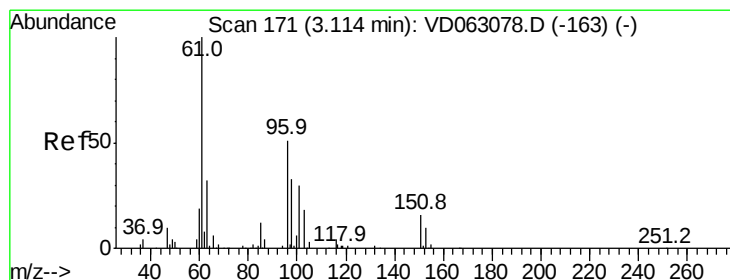
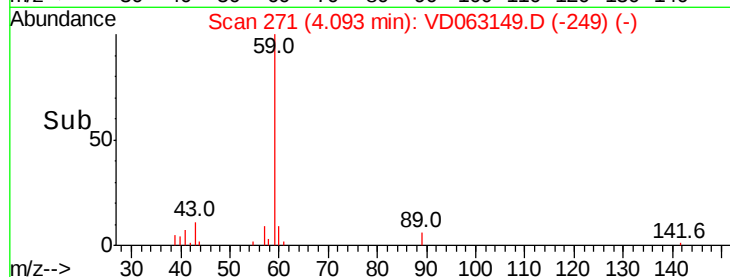
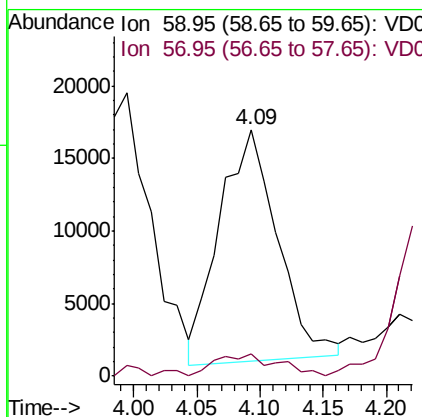
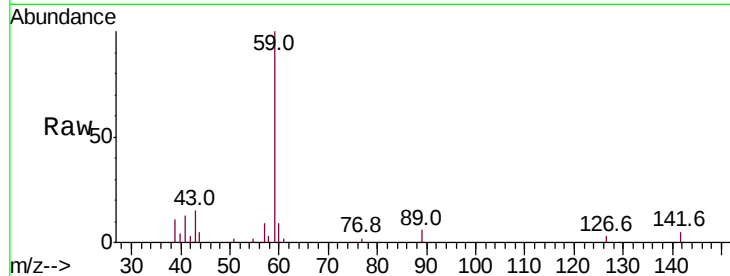
Tert butyl alcohol  
 Concen: 93.561 ug/l  
 RT: 4.09 min Scan# 271  
 Delta R.T. 0.01 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.9   | 6.4   | 9.6   |

Manual Integrations  
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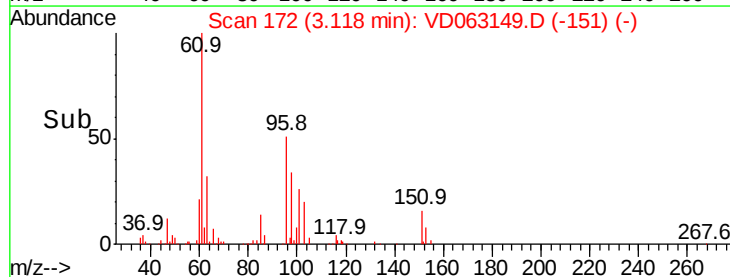
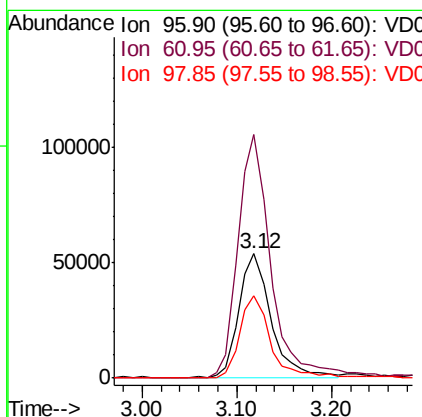
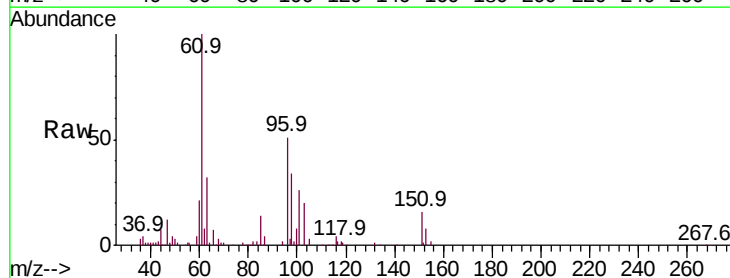
MMDadoda  
 7/22/2019 10:42:57 AM

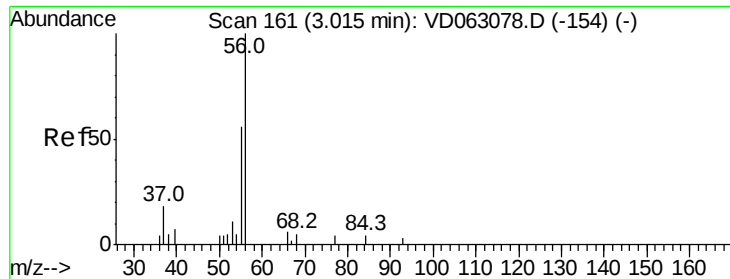


#12

1,1-Dichloroethene  
 Concen: 19.278 ug/l  
 RT: 3.12 min Scan# 172  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 196.3 | 155.5 | 233.3 |
| 98      | 66.8  | 51.5  | 77.3  |





#13

Acrolein

Concen: 110.608 ug/l m

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 56 Resp: 18154

Ion Ratio Lower Upper

56 100

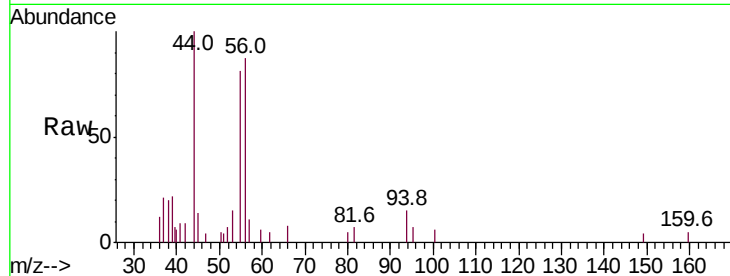
55 93.1 53.0 79.4#

Manual Integrations

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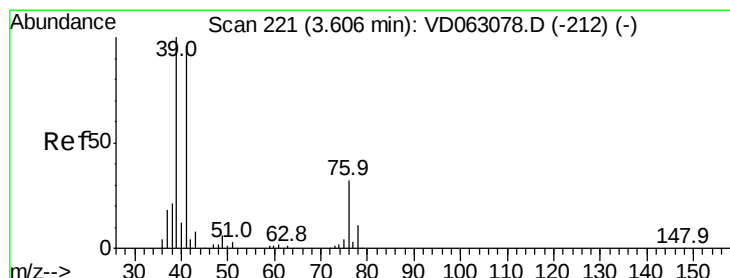
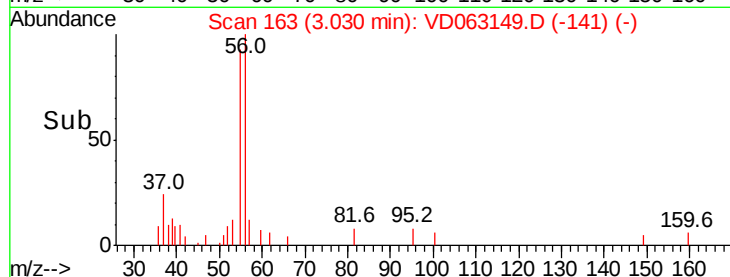
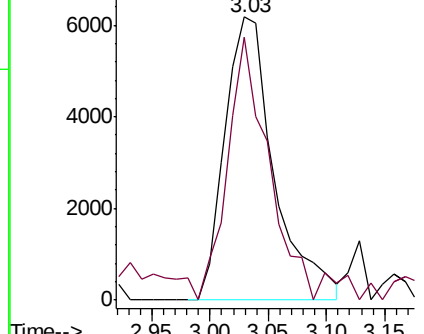
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.973 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

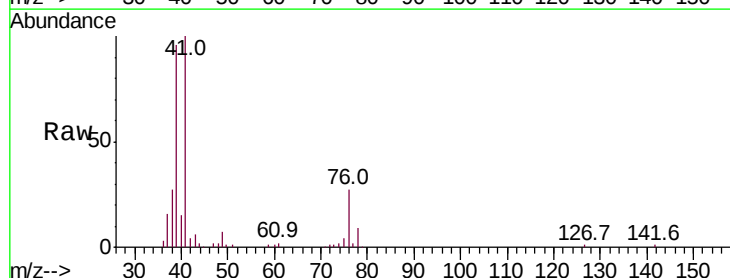
Tgt Ion: 41 Resp: 210063

Ion Ratio Lower Upper

41 100

39 95.8 83.5 125.3

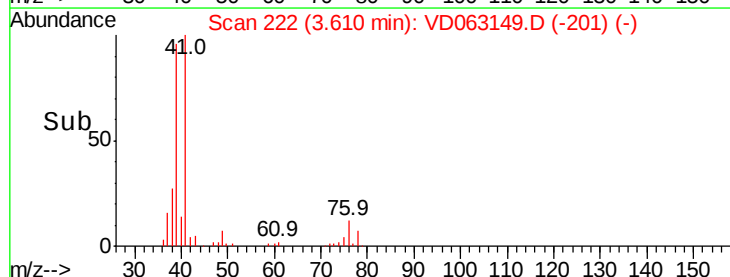
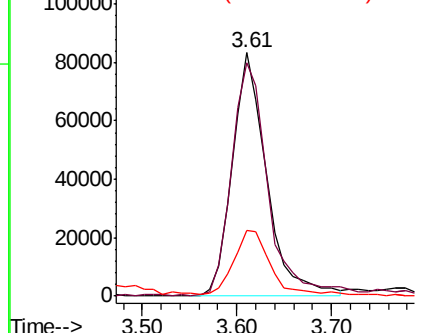
76 26.9 27.8 41.8#

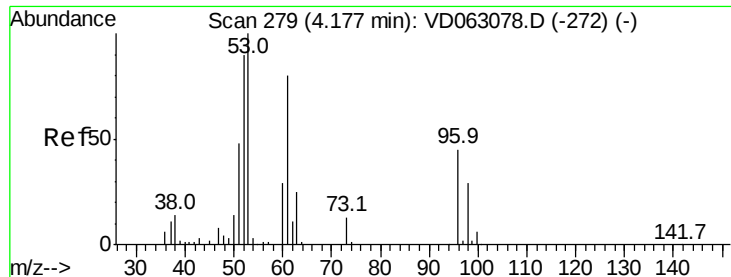


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.771 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 53 Resp: 119934

Ion Ratio Lower Upper

53 100

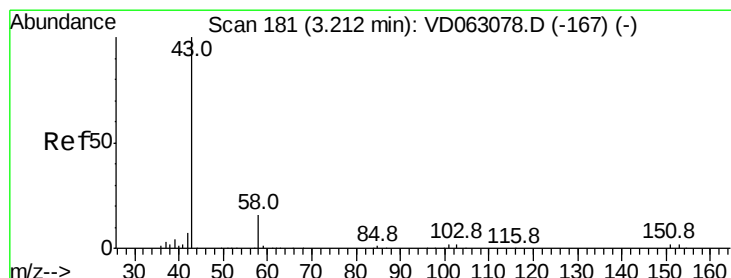
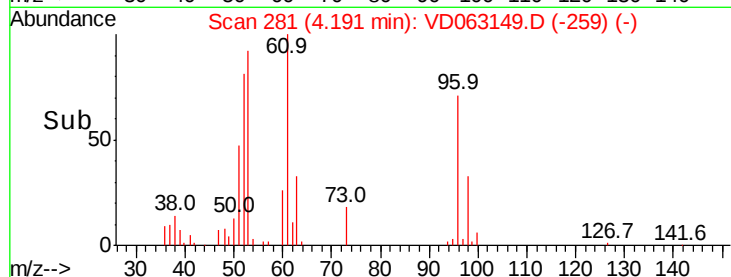
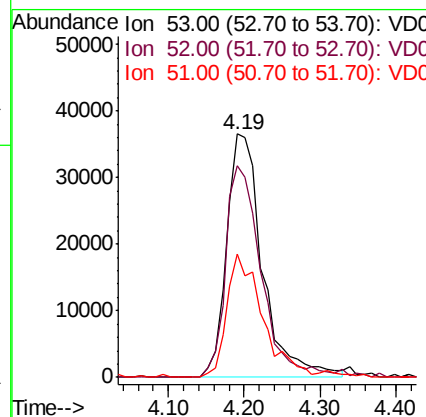
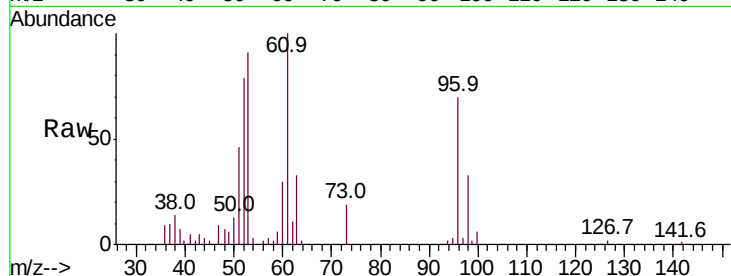
52 87.0 72.3 108.5

51 50.8 38.0 57.0

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#16

Acetone

Concen: 89.496 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063149.D

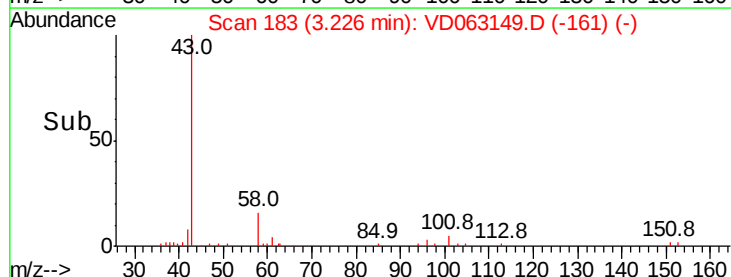
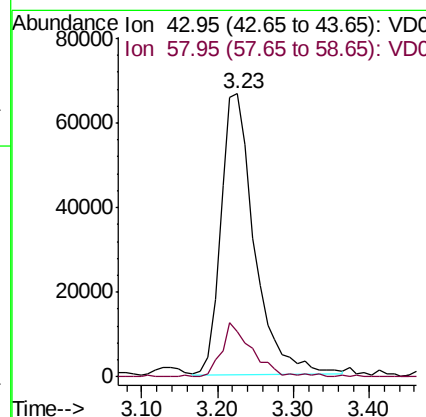
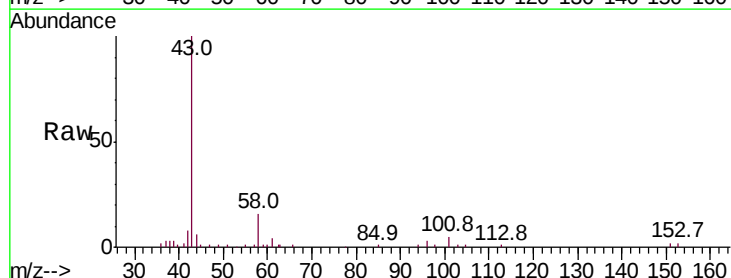
Acq: 19 Jul 2019 13:07

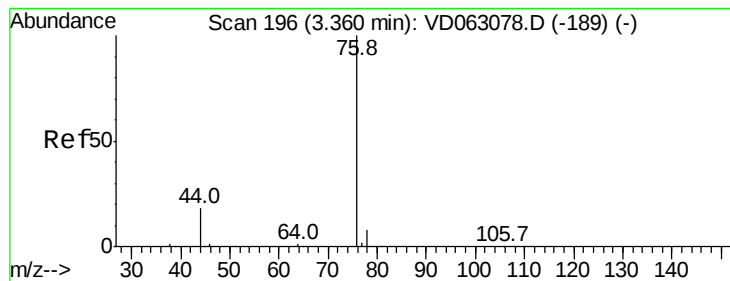
Tgt Ion: 43 Resp: 203685

Ion Ratio Lower Upper

43 100

58 16.1 13.0 19.4





#17

Carbon Disulfide

Concen: 18.951 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 76 Resp: 362996

Ion Ratio Lower Upper

76 100

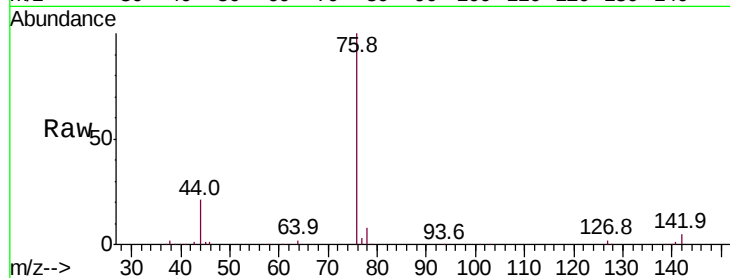
78 8.4 6.7 10.1

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.36

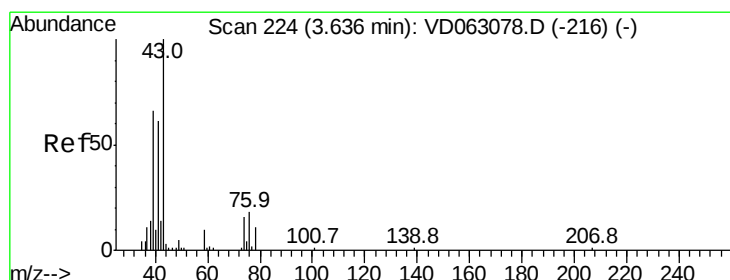
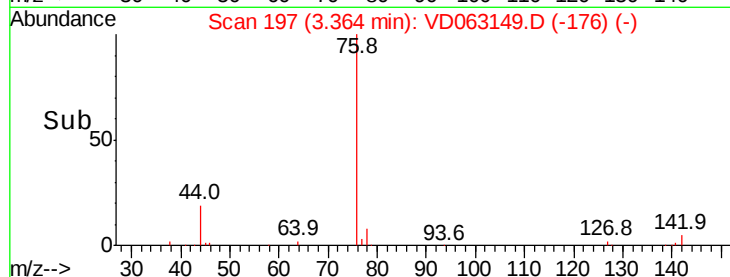
150000

100000

50000

0

Time--> 3.20 3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 31.834 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD063149.D

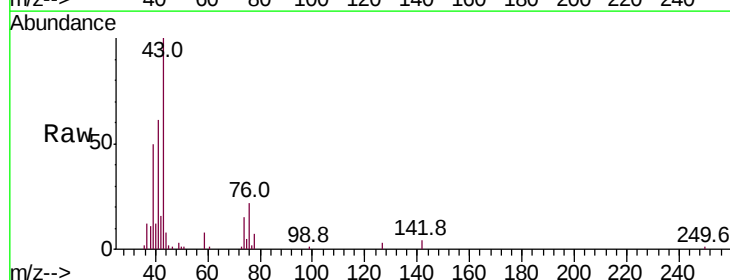
Acq: 19 Jul 2019 13:07

Tgt Ion: 43 Resp: 102423

Ion Ratio Lower Upper

43 100

74 15.0 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.64

40000

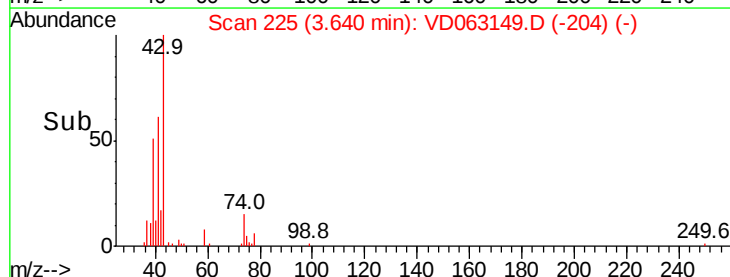
30000

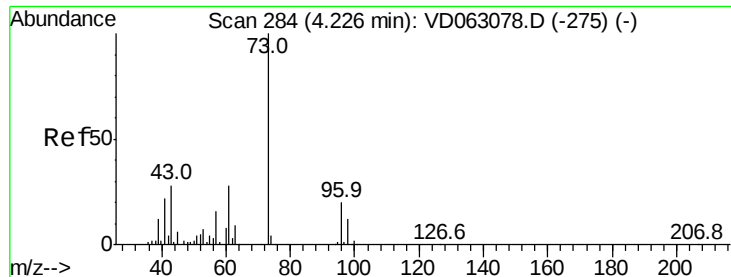
20000

10000

0

Time--> 3.50 3.60 3.70 3.80





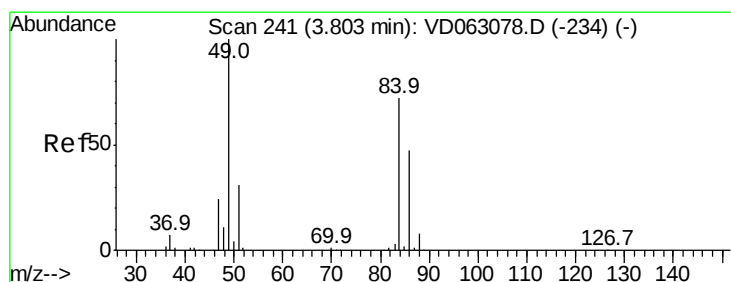
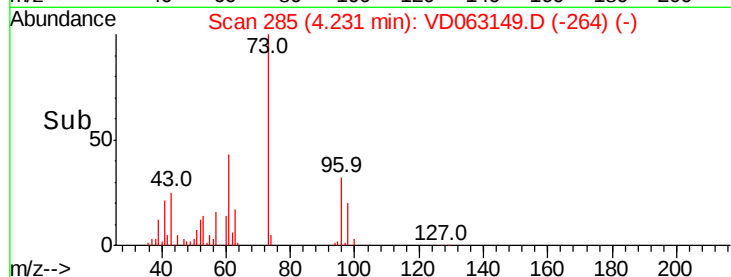
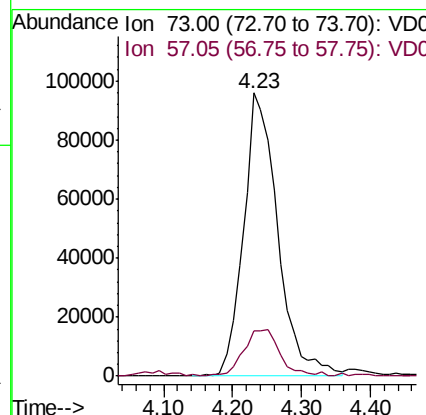
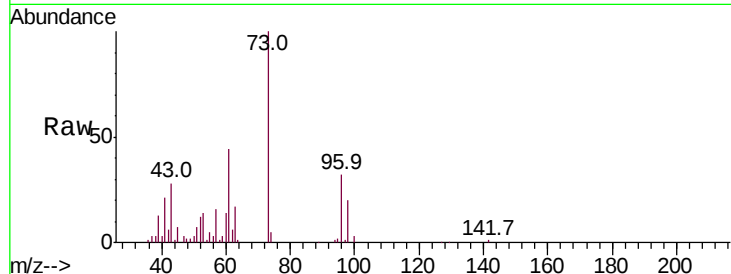
#19  
Methvl tert-butvl Ether  
Concen: 19.581 ug/l  
RT: 4.23 min Scan# 285  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion: 73 Resp: 330768  
Ion Ratio Lower Upper  
73 100  
57 16.1 13.1 19.7

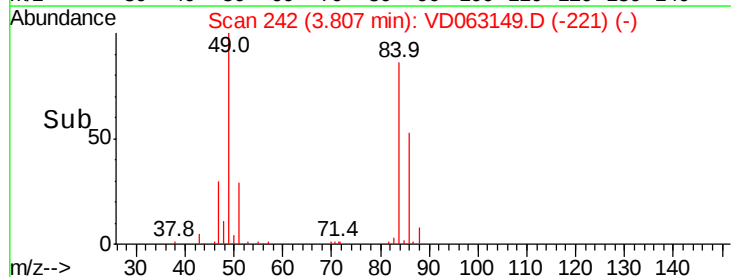
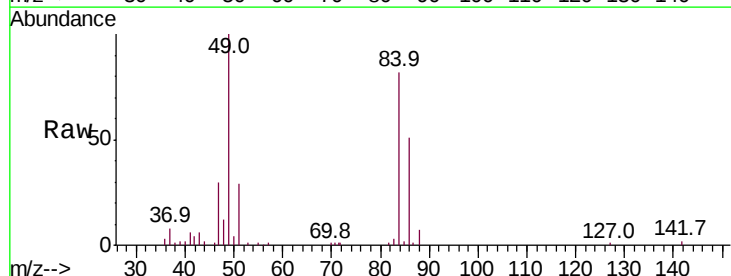
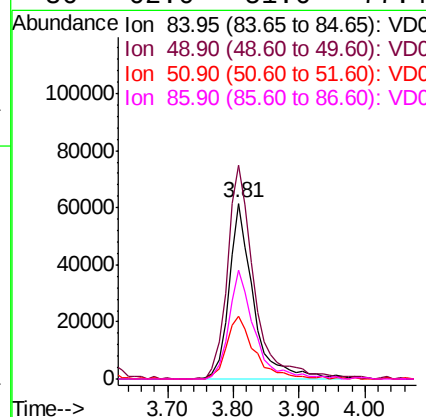
Manual Integrations  
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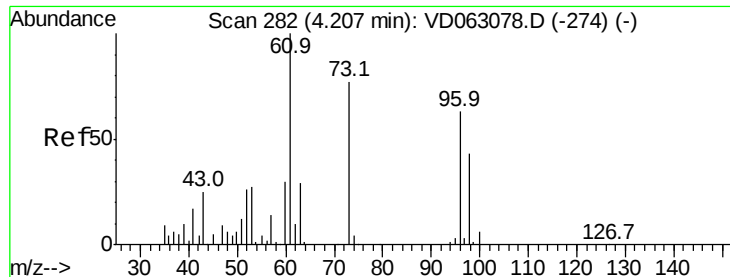
MMDadoda  
7/22/2019 10:42:57 AM



#20  
Methylene Chloride  
Concen: 18.582 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion: 84 Resp: 159772  
Ion Ratio Lower Upper  
84 100  
49 121.5 110.5 165.7  
51 35.5 34.6 51.8  
86 62.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 18.762 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 96 Resp: 139382

Ion Ratio Lower Upper

96 100

61 167.5 128.0 192.0

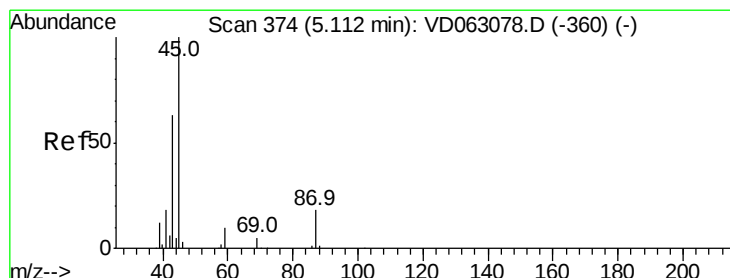
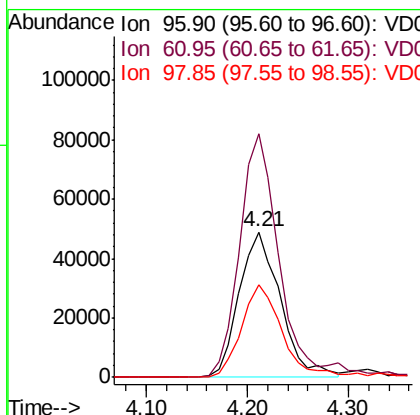
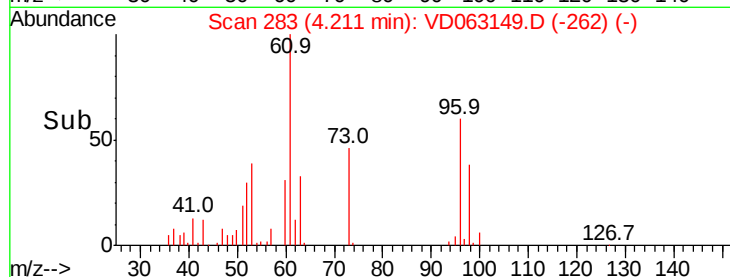
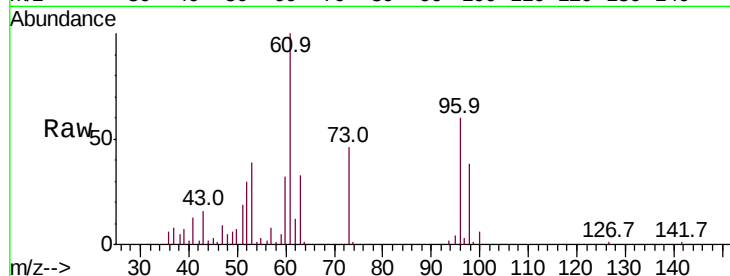
98 63.9 55.2 82.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.402 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion: 45 Resp: 443664

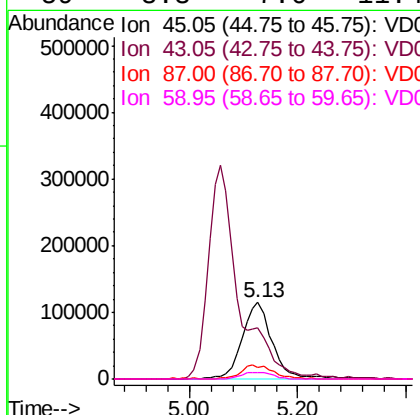
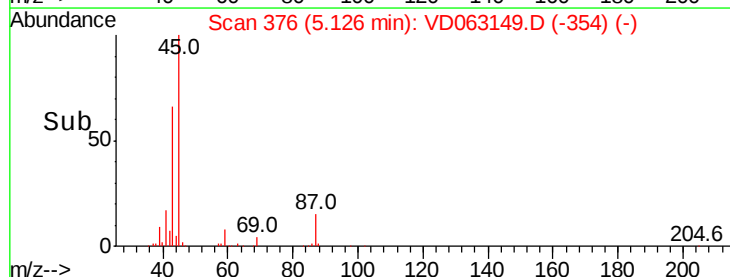
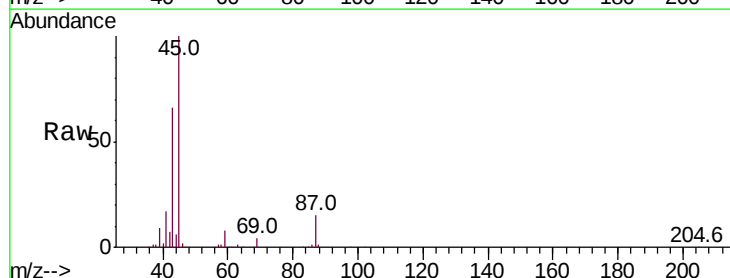
Ion Ratio Lower Upper

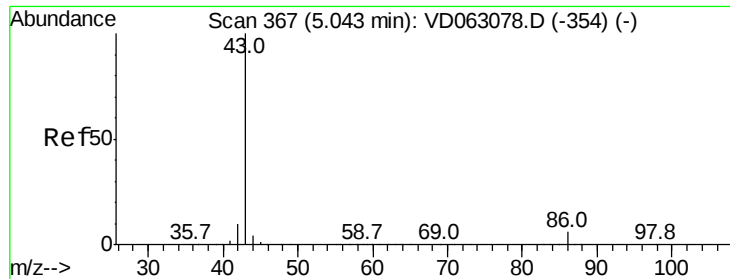
45 100

43 66.4 50.5 75.7

87 14.7 15.1 22.7#

59 8.3 7.6 11.4





#23

Vinyl Acetate

Concen: 93.097 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

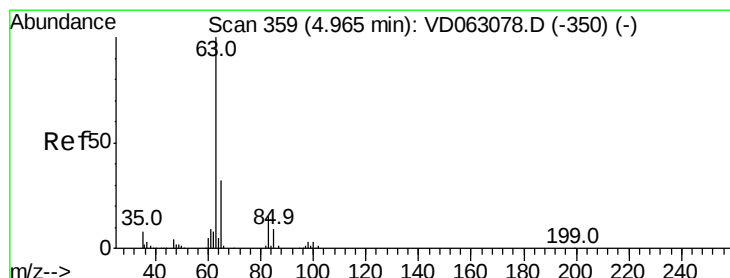
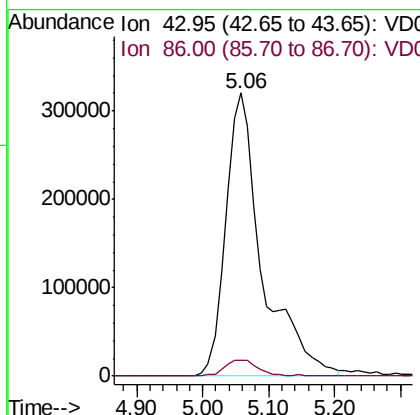
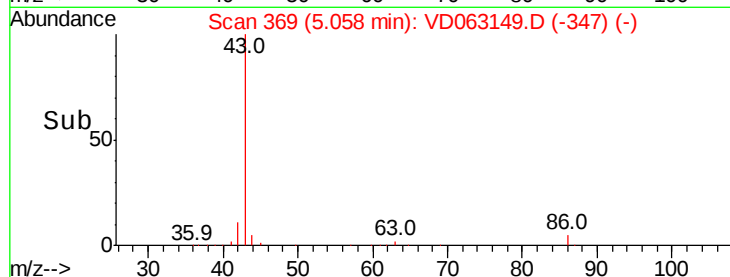
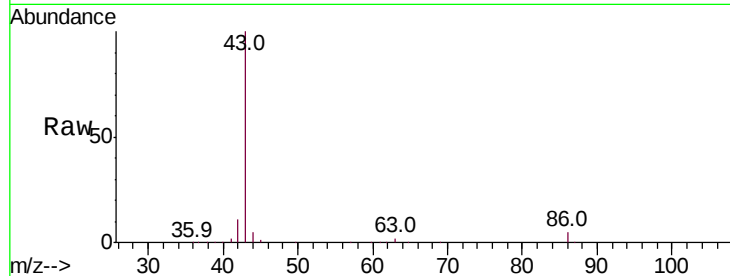
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion: 43 Resp: 1241987

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 5.4   | 5.0   | 7.6   |

Manual Integrations  
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#24

1,1-Dichloroethane

Concen: 19.314 ug/l

RT: 4.98 min Scan# 361

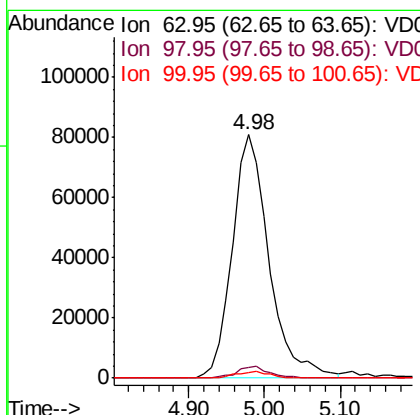
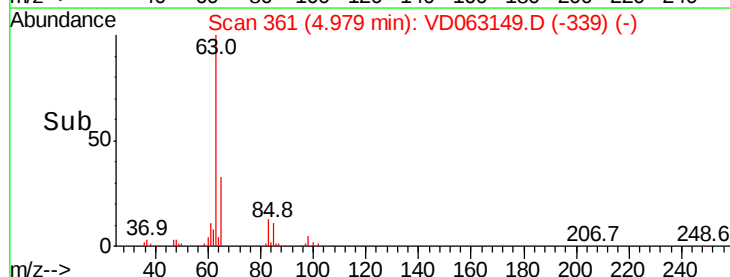
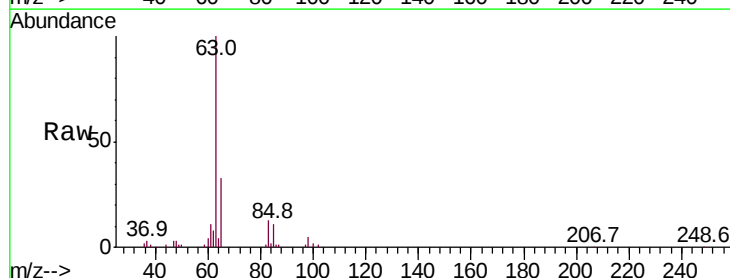
Delta R.T. 0.01 min

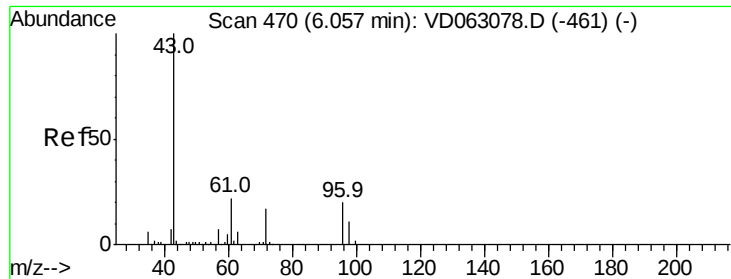
Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion: 63 Resp: 272054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.5   | 1.7   | 5.1   |
| 100 | 2.5   | 1.5   | 4.5   |





#25

2-Butanone

Concen: 97.318 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.02 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 43 Resp: 211502

Ion Ratio Lower Upper

43 100

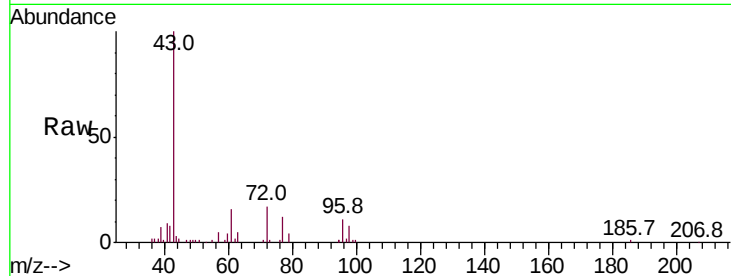
72 16.9 13.4 20.0

Manual Integrations

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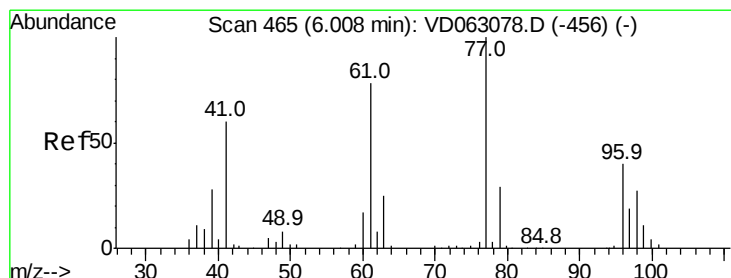
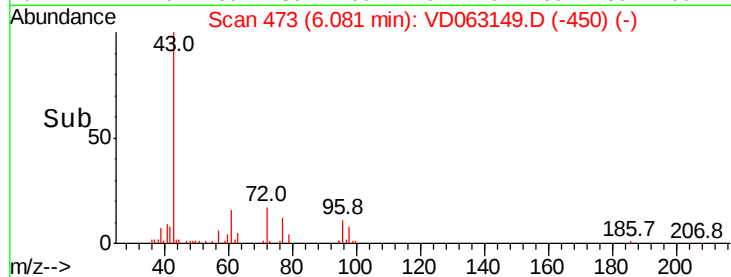
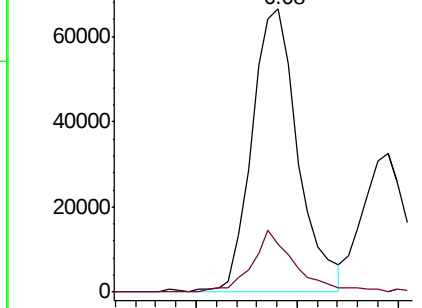
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.435 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063149.D

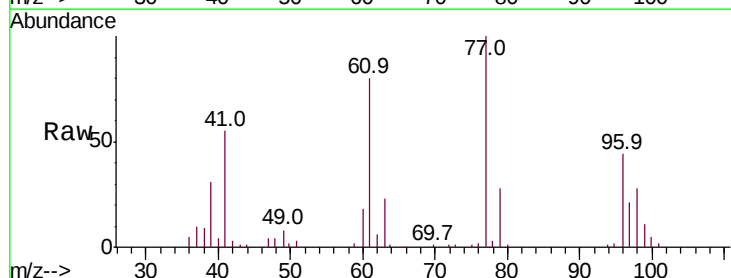
Acq: 19 Jul 2019 13:07

Tgt Ion: 77 Resp: 302973

Ion Ratio Lower Upper

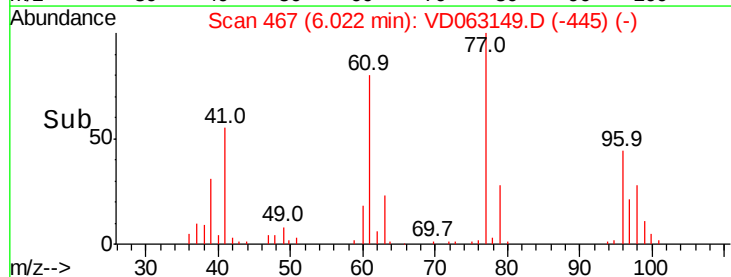
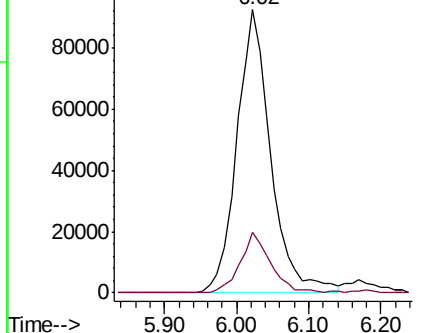
77 100

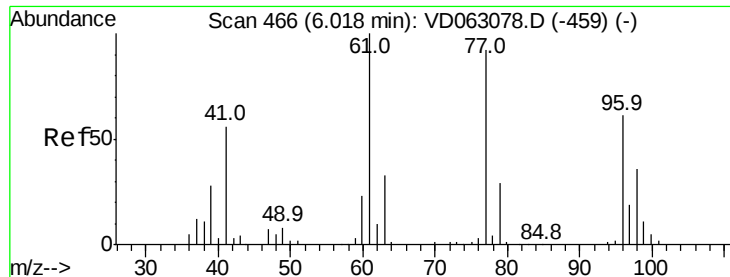
97 21.3 9.3 27.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

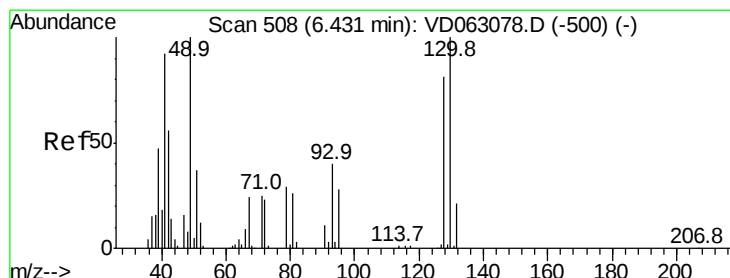
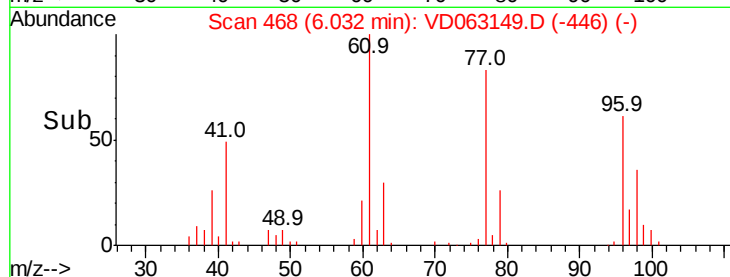
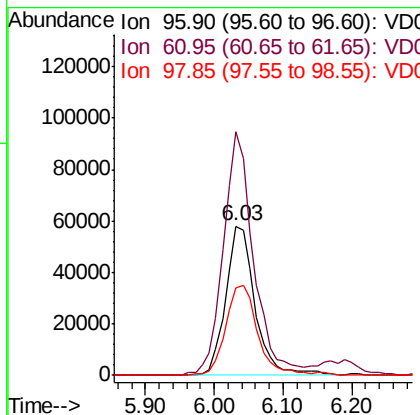
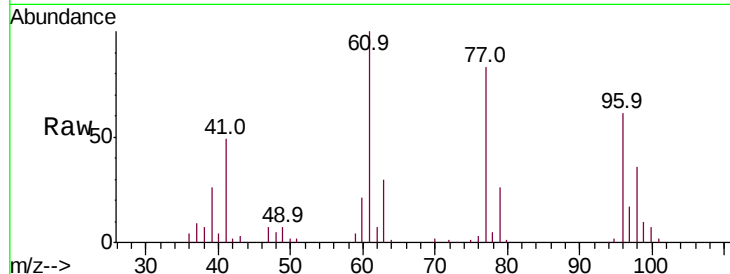
cis-1,2-Dichloroethene  
Concen: 20.292 ug/l  
RT: 6.03 min Scan# 468  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 163.0 | 0.0   | 329.6 |
| 98      | 58.4  | 0.0   | 118.4 |

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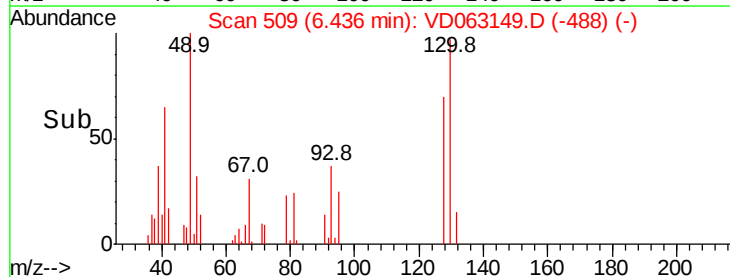
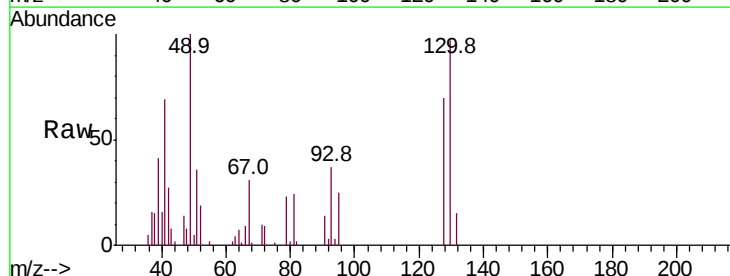
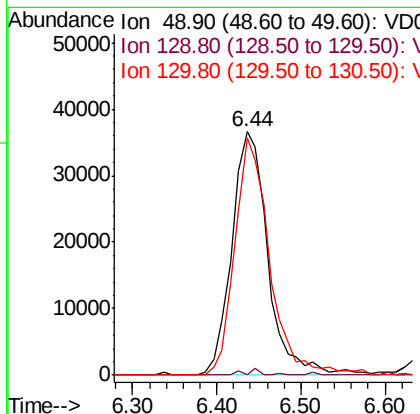
MMDadoda  
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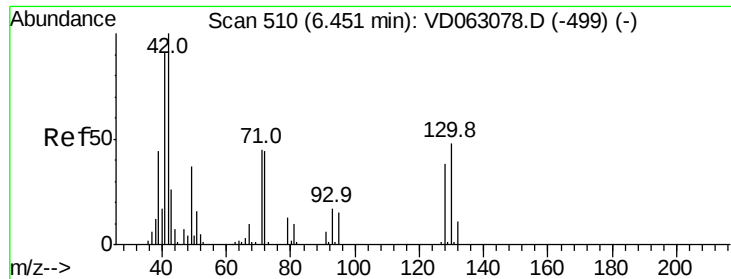


#28

Bromochloromethane  
Concen: 21.183 ug/l  
RT: 6.44 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.6   |
| 130     | 97.5  | 80.3  | 120.5 |





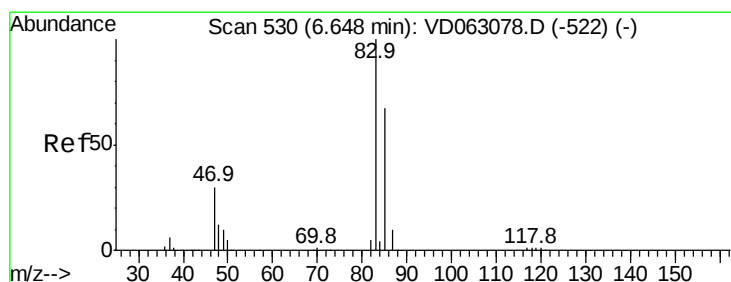
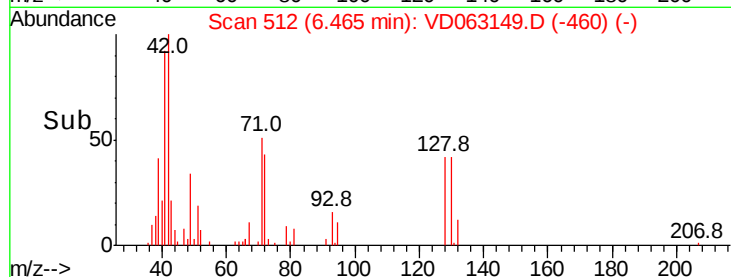
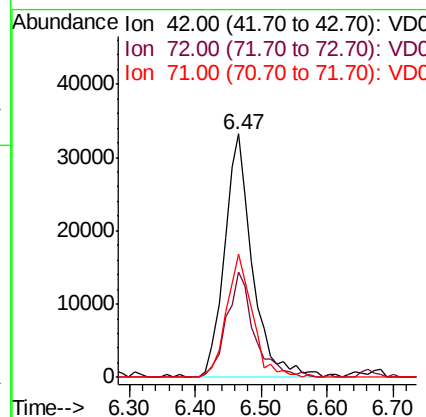
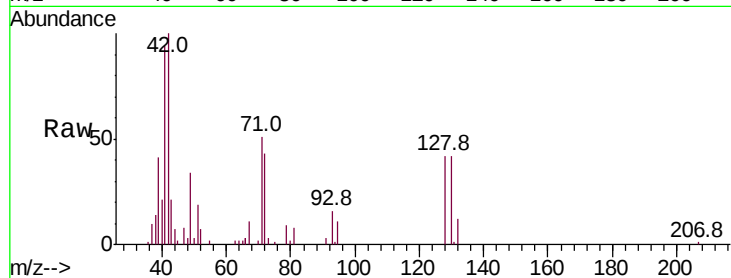
#29  
Tetrahydrofuran  
Concen: 98.894 ug/l  
RT: 6.47 min Scan# 512  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.3  | 33.7  | 50.5  |
| 71      | 47.6  | 34.2  | 51.2  |

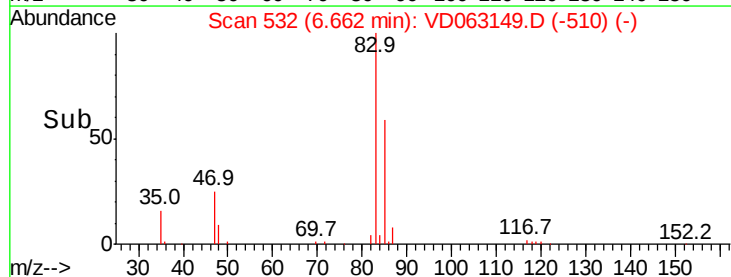
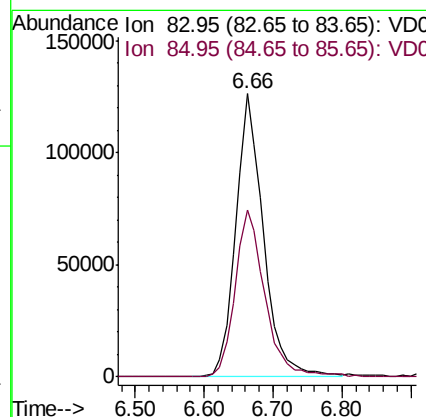
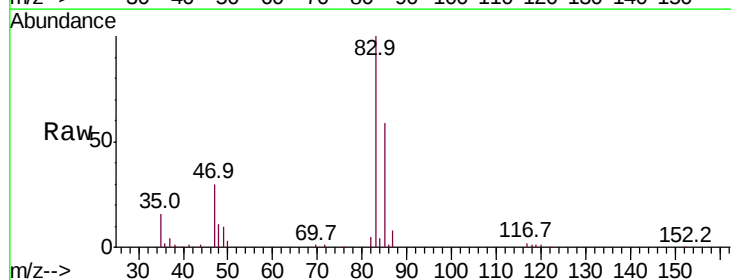
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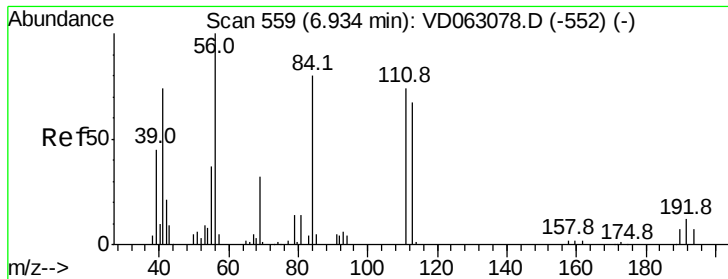
MMDadoda  
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#30  
Chloroform  
Concen: 20.248 ug/l  
RT: 6.66 min Scan# 532  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 58.9  | 53.8  | 80.8  |





#31

Cvclohexane

Concen: 18.370 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

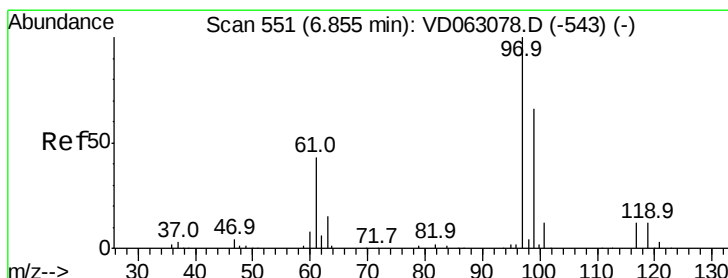
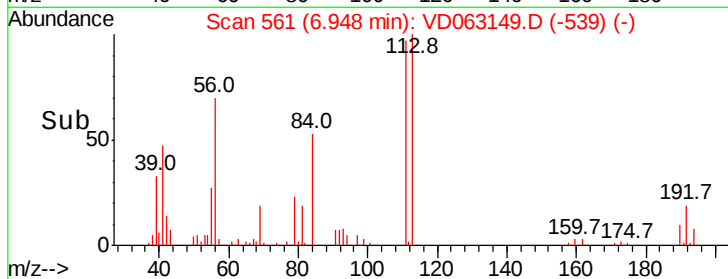
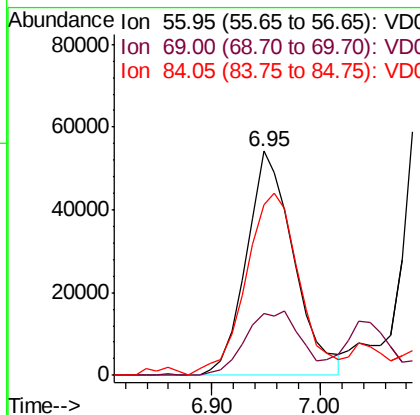
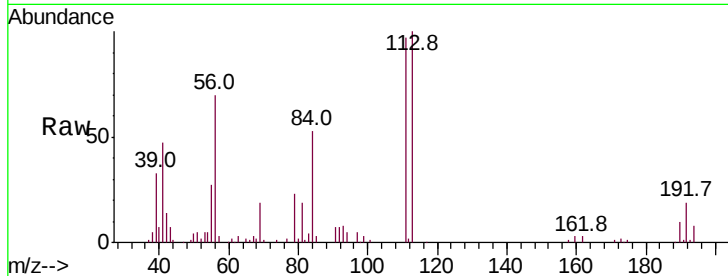
ClientSampleId :

VD0719SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 164782 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 27.6  | 25.3  | 37.9   |
| 84       | 76.2  | 64.2  | 96.4   |

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#32

1,1,1-Trichloroethane

Concen: 18.646 ug/l

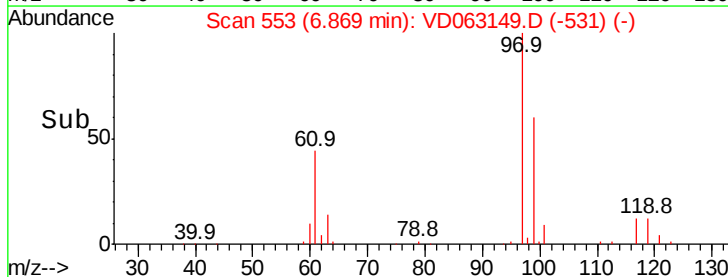
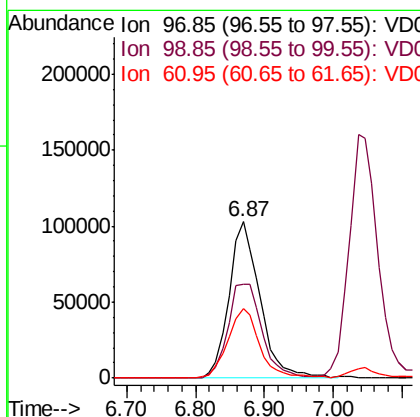
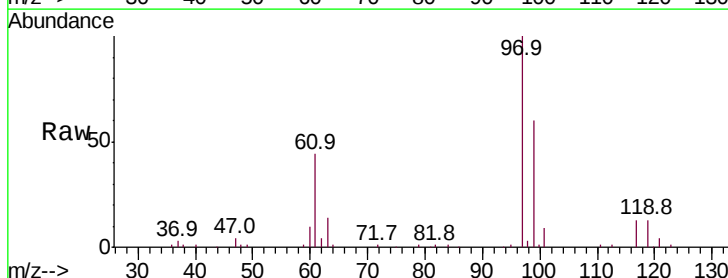
RT: 6.87 min Scan# 553

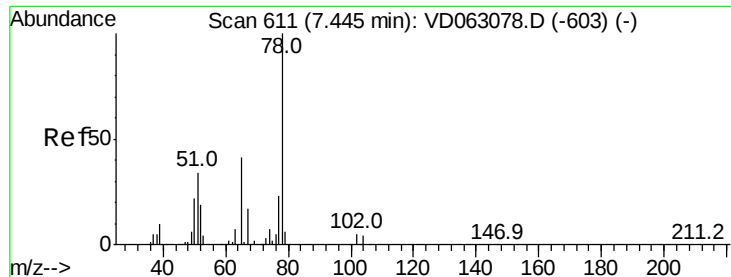
Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 318962 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 60.5  | 52.9  | 79.3   |
| 61       | 44.4  | 34.4  | 51.6   |





#33

1,2-Dichloroethane-d4

Concen: 45.829 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 65 Resp: 431840

Ion Ratio Lower Upper

65 100

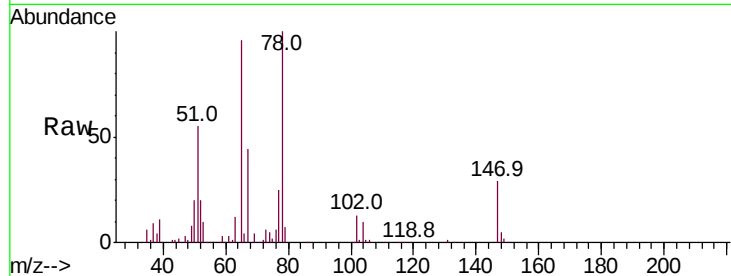
67 45.6 0.0 86.0

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

100000

50000

0

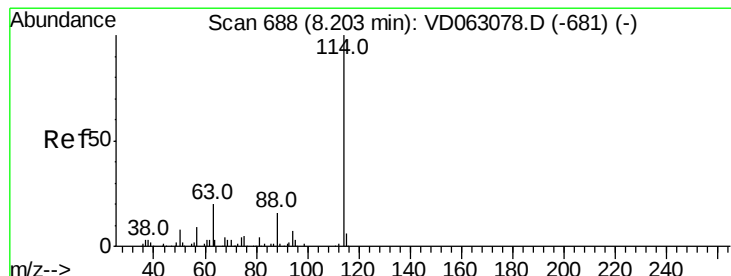
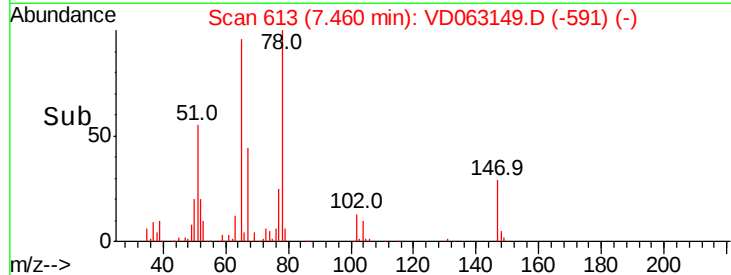
7.30

7.40

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

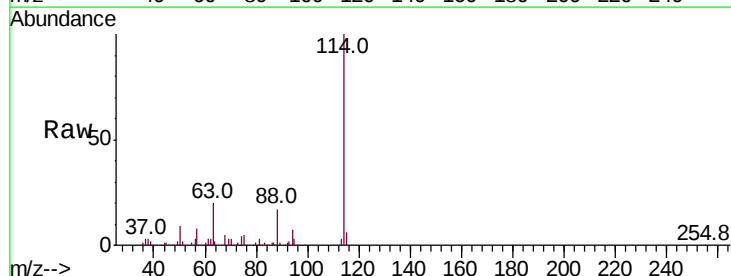
Tgt Ion: 114 Resp: 1015609

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 16.9 0.0 32.6



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

500000

400000

300000

200000

100000

0

8.10

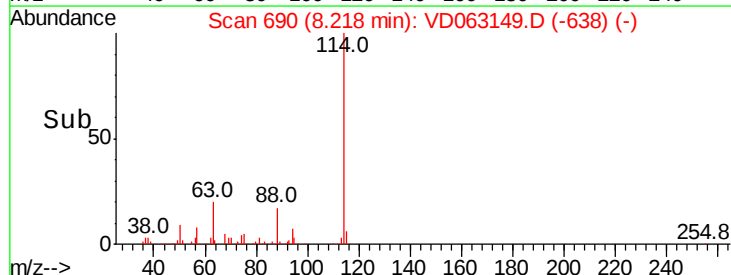
8.20

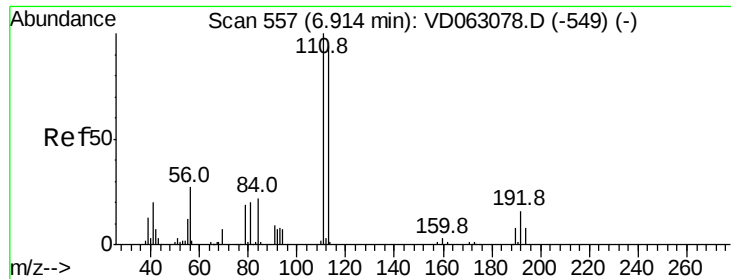
8.30

8.40

8.50

Time-->





#35

Dibromofluoromethane

Concen: 47.653 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

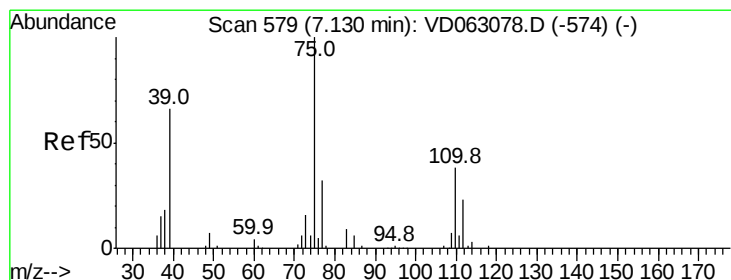
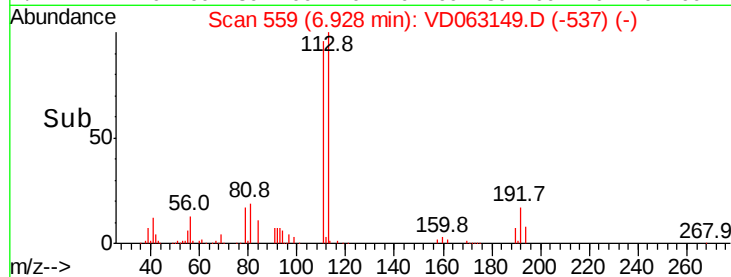
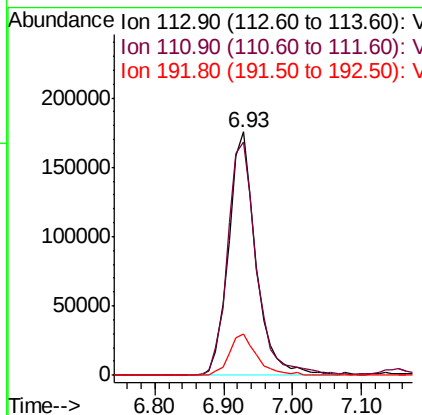
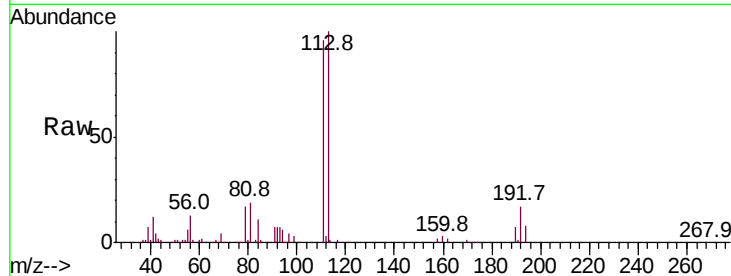
ClientSampleId :

VD0719SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 482043 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 95.6  | 84.8  | 127.2  |
| 192       | 17.0  | 13.4  | 20.0   |

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#36

1,1-Dichloropropene

Concen: 18.954 ug/l

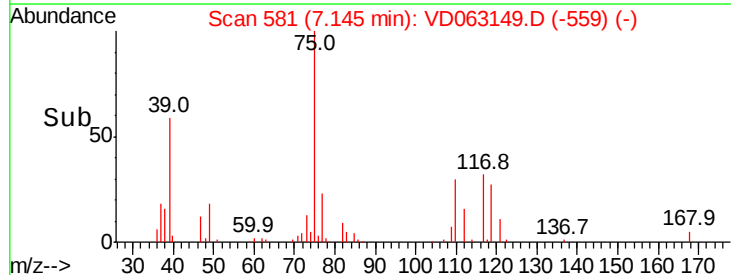
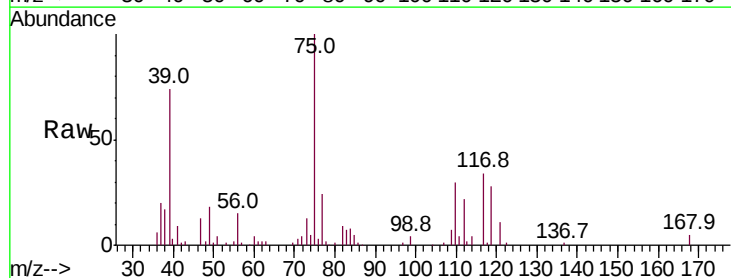
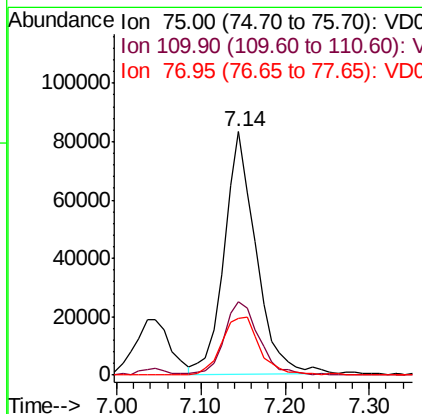
RT: 7.14 min Scan# 581

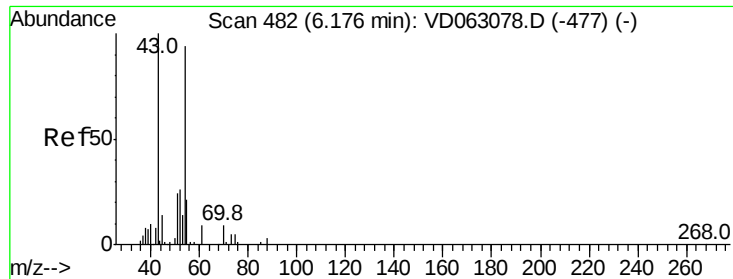
Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 216505 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 30.0  | 18.9  | 56.5   |
| 77        | 23.6  | 25.2  | 37.8#  |





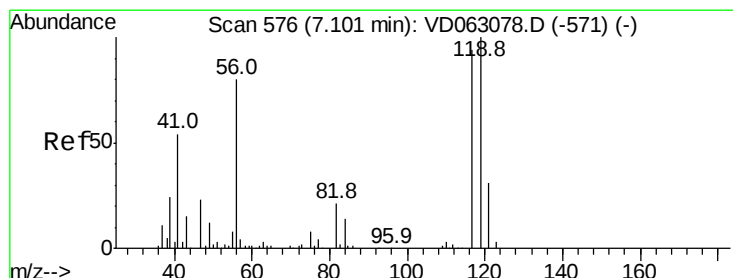
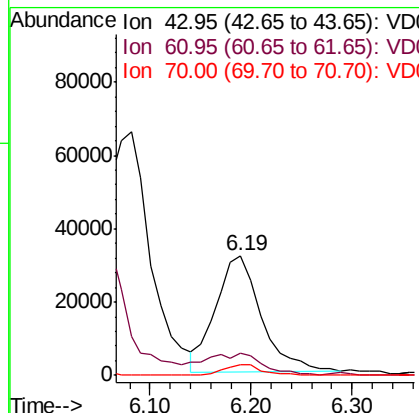
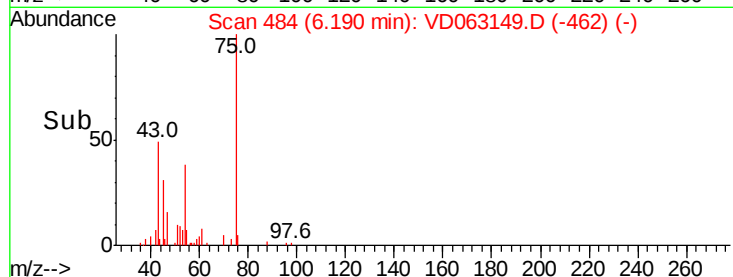
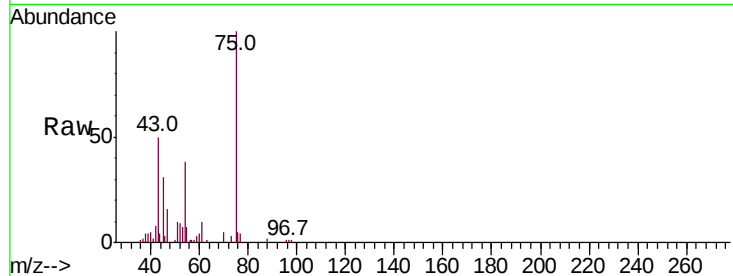
#37  
Ethyl Acetate  
Concen: 20.539 ug/l  
RT: 6.19 min Scan# 484  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.9  | 10.6  | 16.0# |
| 70      | 9.2   | 6.6   | 9.8   |

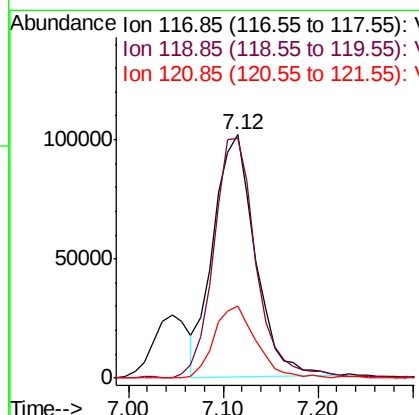
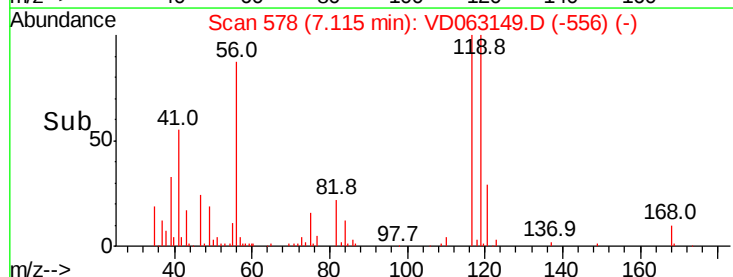
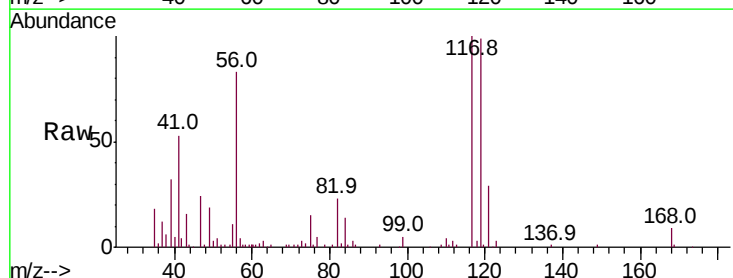
Manual Integrations  
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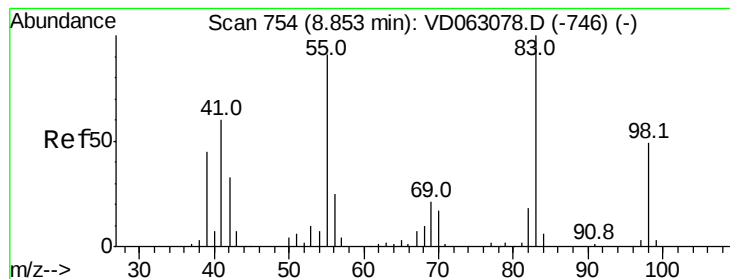
MMDadoda  
7/22/2019 10:42:57 AM



#38  
Carbon Tetrachloride  
Concen: 17.987 ug/l  
RT: 7.12 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.7  | 80.0  | 120.0 |
| 121     | 29.4  | 25.0  | 37.4  |





#39

Methvlcvclohexane

Concen: 18.074 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 83 Resp: 178482

Ion Ratio Lower Upper

83 100

55 96.9 73.0 109.4

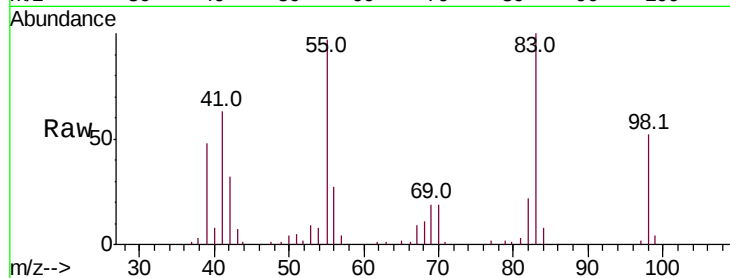
98 52.3 39.4 59.0

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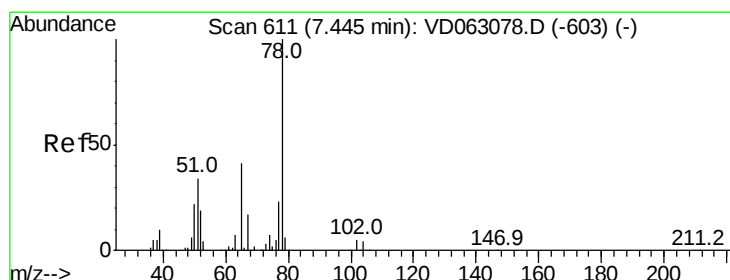
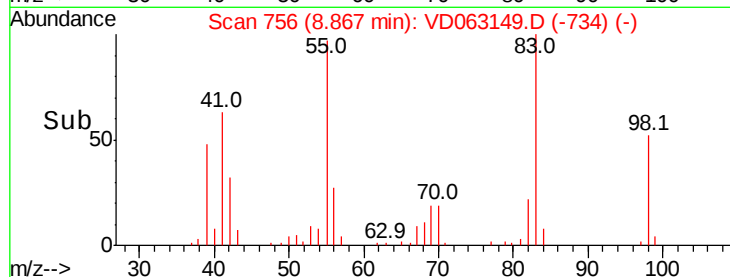
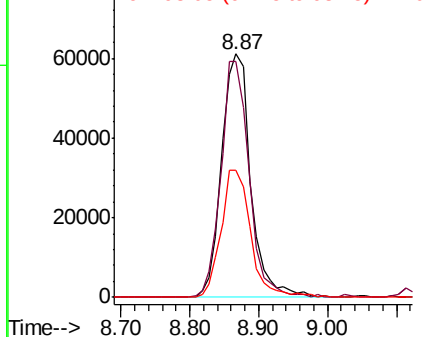
7/22/2019 10:42:57 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.263 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063149.D

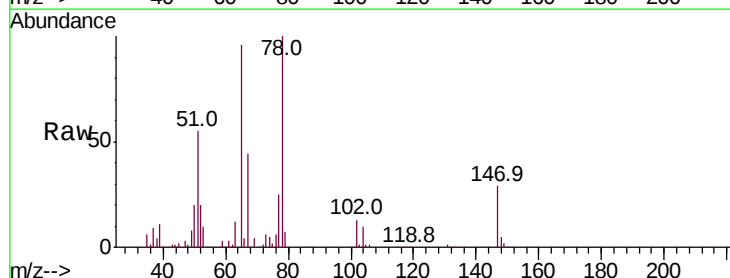
Acq: 19 Jul 2019 13:07

Tgt Ion: 78 Resp: 460840

Ion Ratio Lower Upper

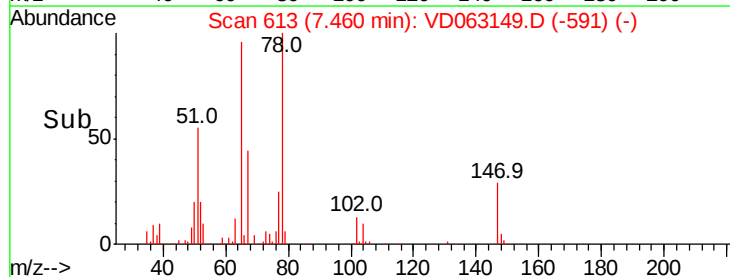
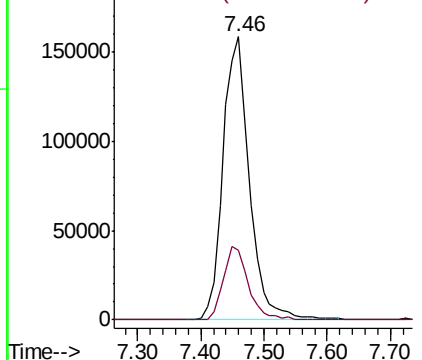
78 100

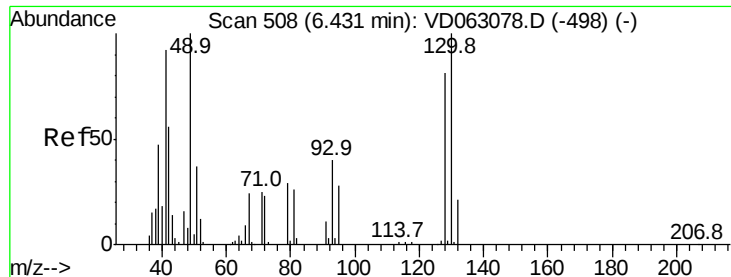
77 24.6 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





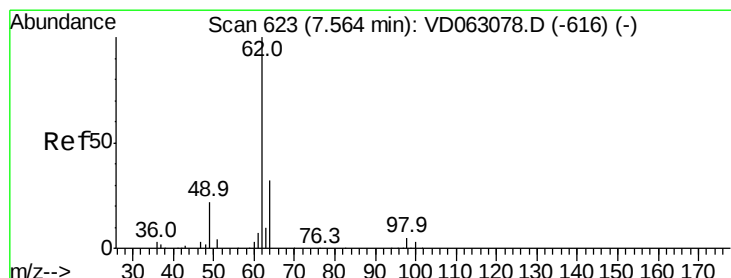
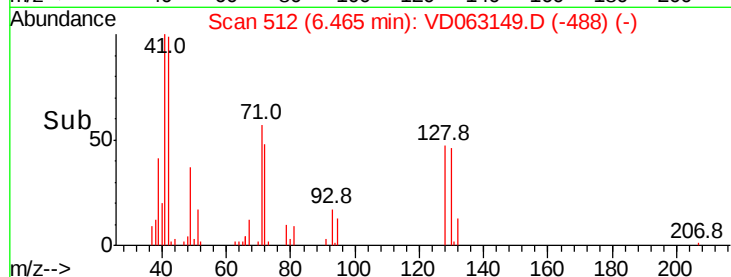
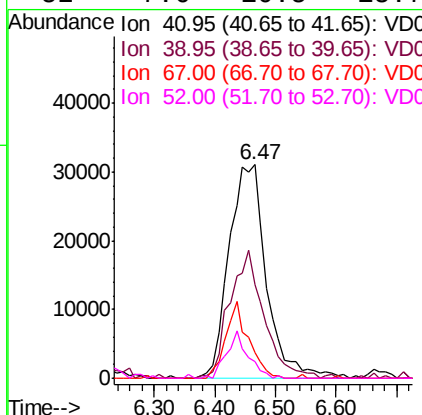
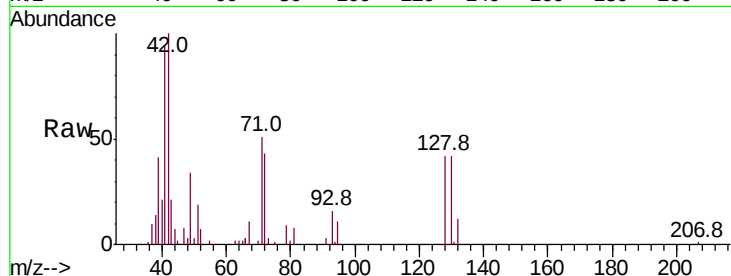
#41  
Methacrylonitrile  
Concen: 20.072 ug/l  
RT: 6.47 min Scan# 512  
Delta R.T. 0.03 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 43.9  | 41.0  | 61.6  |
| 67      | 11.7  | 21.3  | 31.9# |
| 52      | 7.6   | 10.5  | 15.7# |

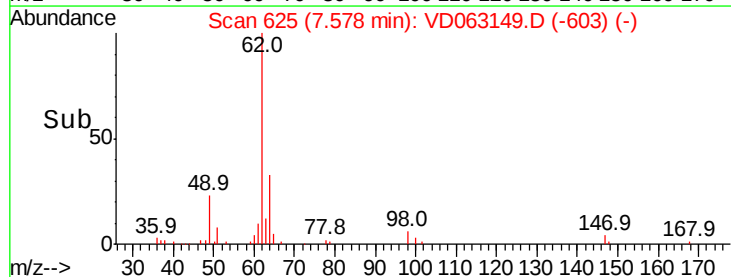
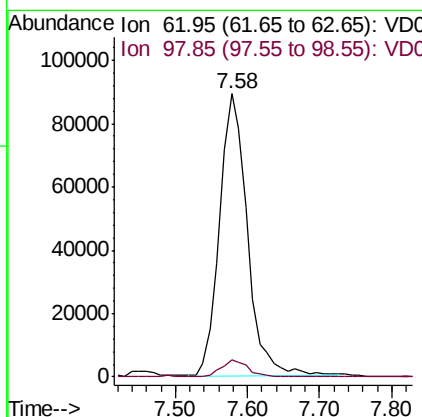
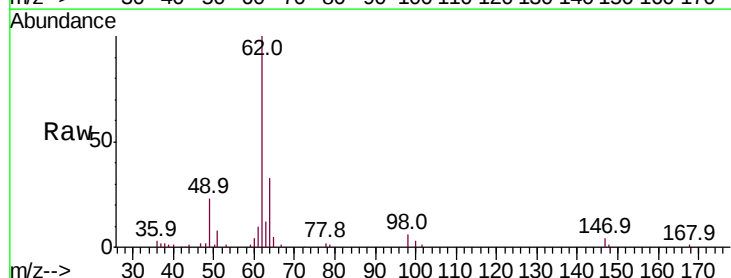
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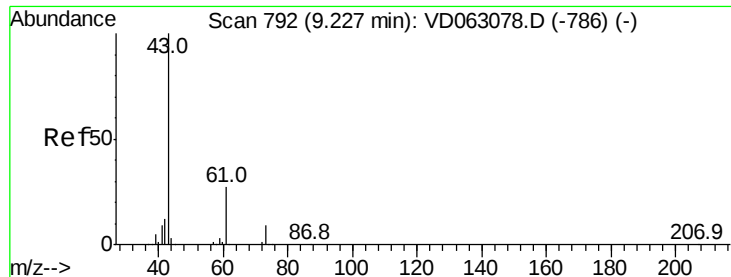
MMDadoda  
7/22/2019 10:42:57 AM



#42  
1,2-Dichloroethane  
Concen: 18.663 ug/l  
RT: 7.58 min Scan# 625  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 6.1   | 0.0   | 9.6   |





#43

Isopropyl Acetate

Concen: 18.907 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

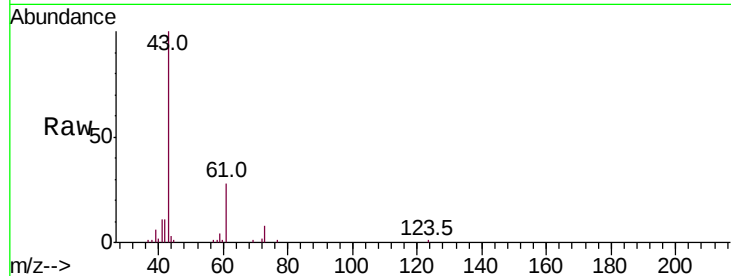
ClientSampleId :

VD0719SBS01

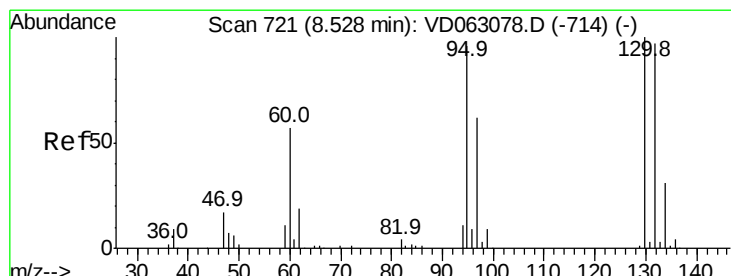
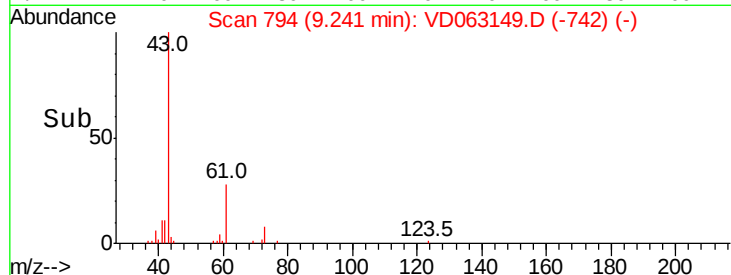
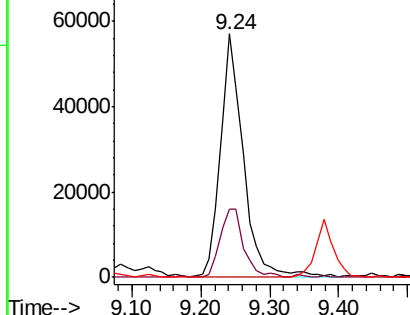
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 132479 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.1  | 21.7  | 32.5   |
| 87       | 0.0   | 0.2   | 0.4    |

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Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.503 ug/l

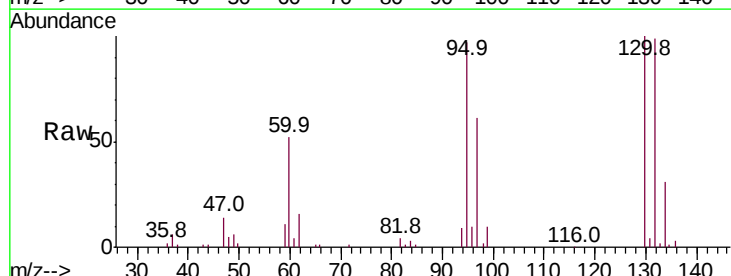
RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

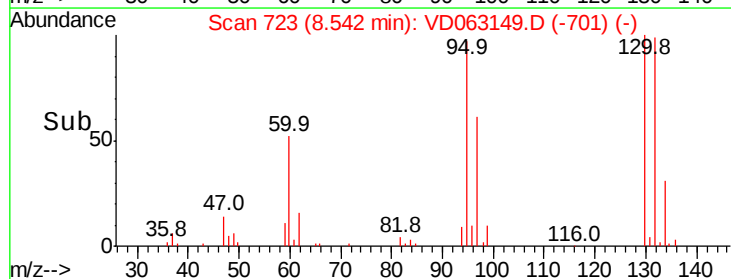
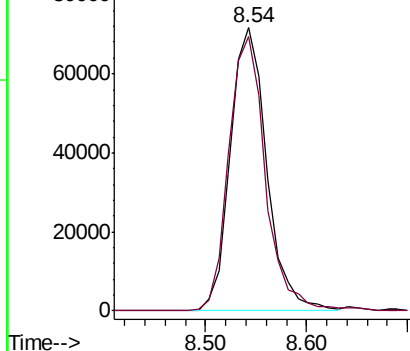
Lab File: VD063149.D

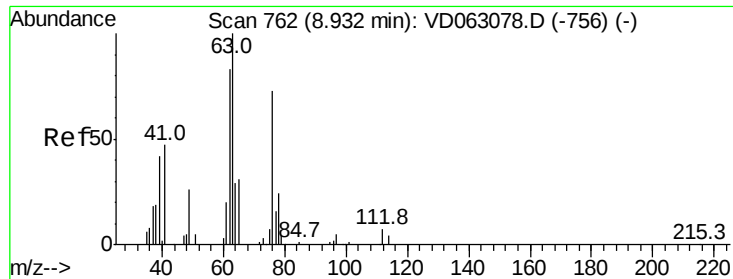
Acq: 19 Jul 2019 13:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 180310 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 97.0  | 0.0   | 191.4  |



Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.390 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 63 Resp: 121619

Ion Ratio Lower Upper

63 100

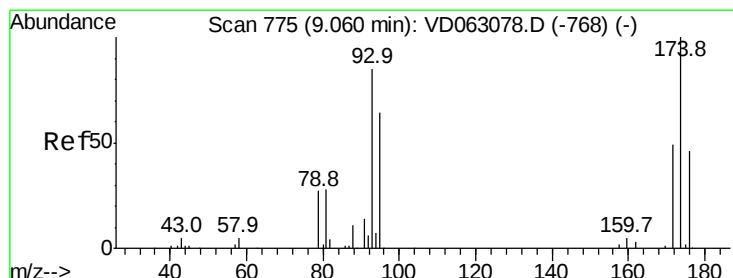
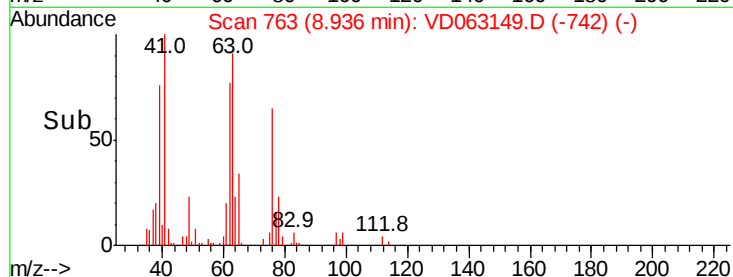
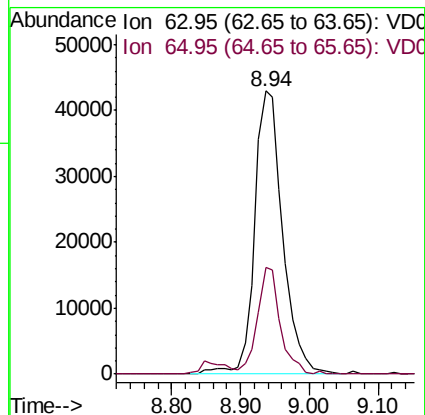
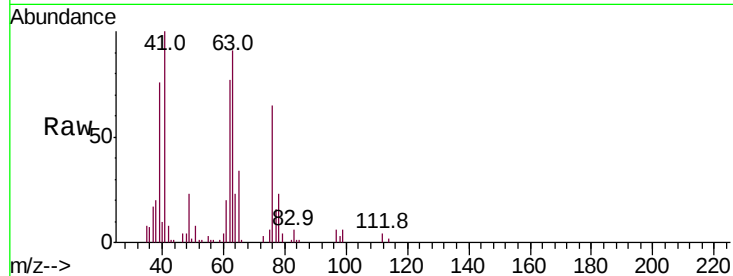
65 37.5 26.3 39.5

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#46

Dibromomethane

Concen: 20.079 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

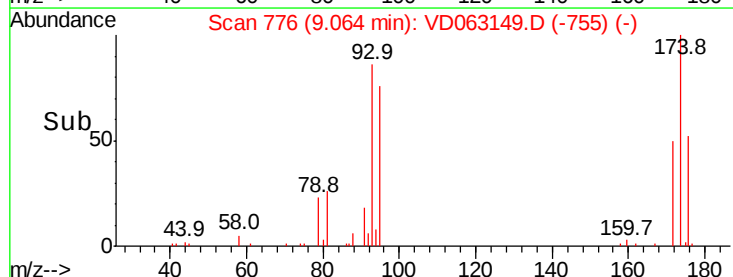
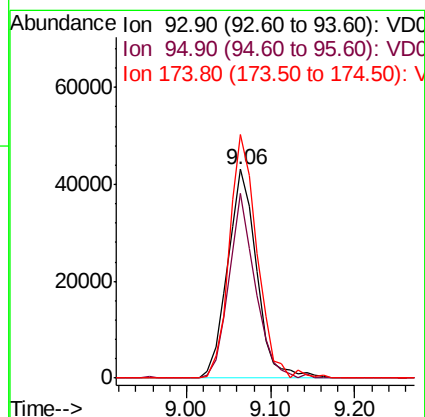
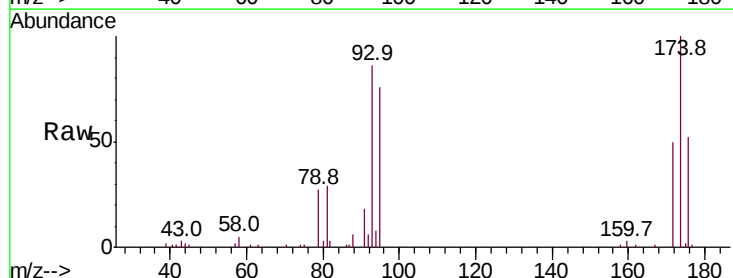
Tgt Ion: 93 Resp: 102917

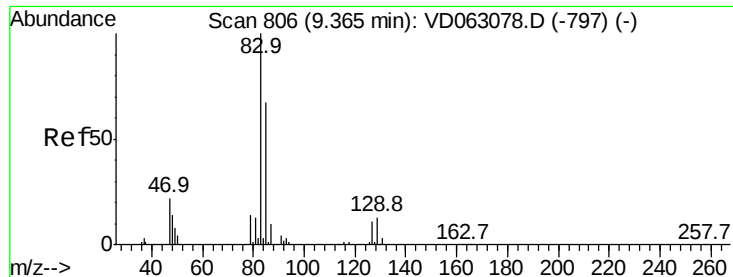
Ion Ratio Lower Upper

93 100

95 88.2 59.7 89.5

174 116.6 93.9 140.9





#47

Bromodichloromethane

Concen: 19.087 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

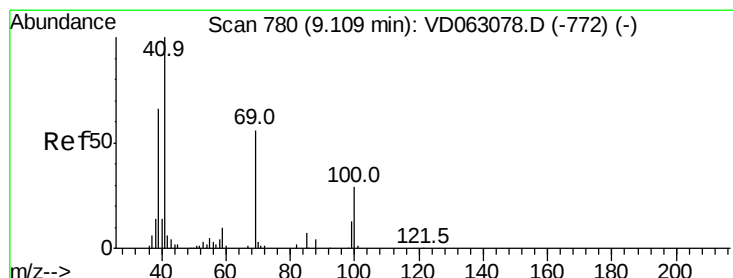
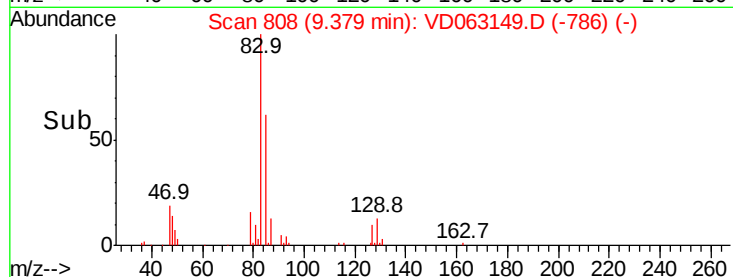
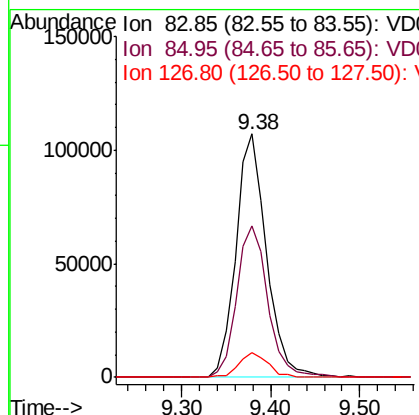
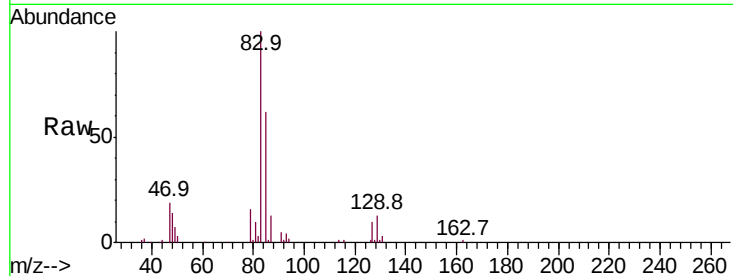
ClientSampleId :

VD0719SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 255287 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.4  | 53.7  | 80.5   |
| 127       | 10.4  | 9.0   | 13.6   |

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#48

Methyl methacrylate

Concen: 19.961 ug/l

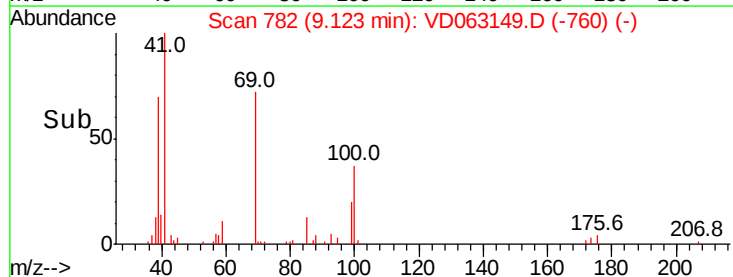
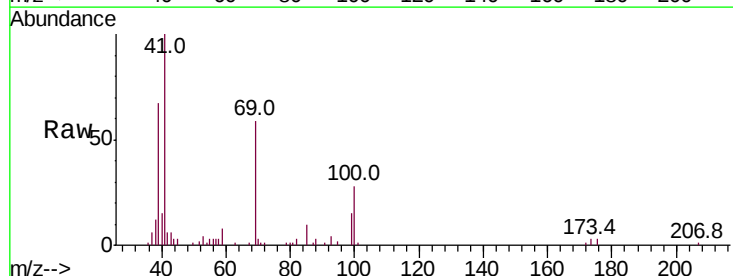
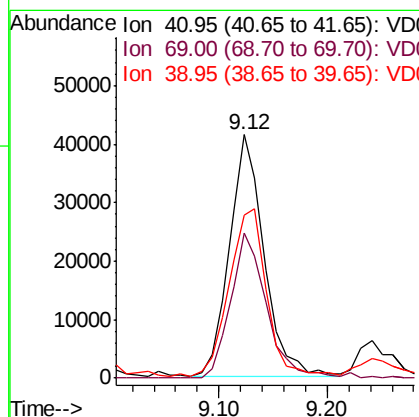
RT: 9.12 min Scan# 782

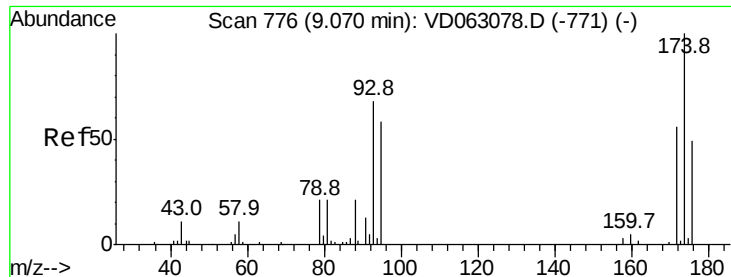
Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 41    | Resp: | 91848 |
| Ion Ratio | Lower | Upper |       |
| 41        | 100   |       |       |
| 69        | 59.5  | 44.3  | 66.5  |
| 39        | 66.9  | 52.6  | 78.8  |





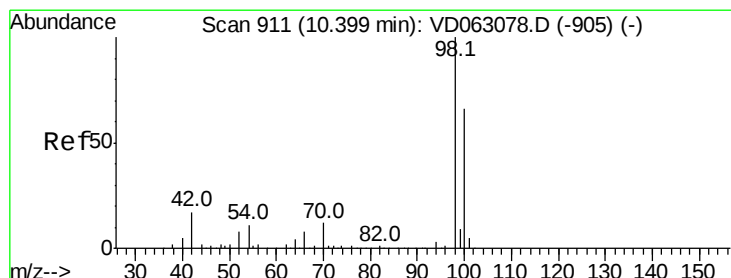
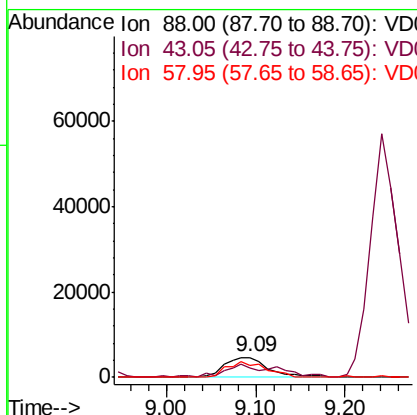
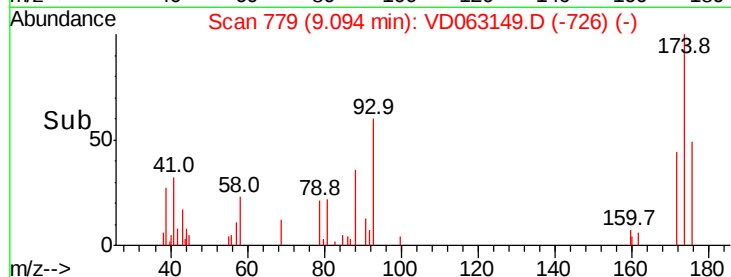
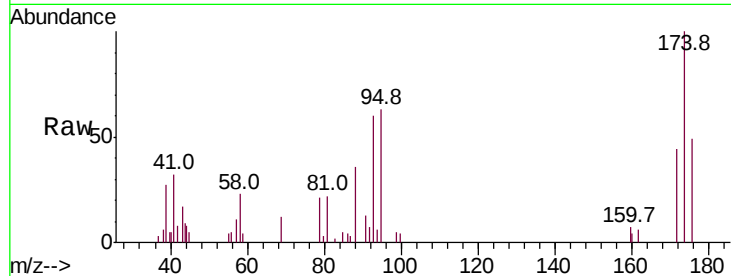
#49  
1,4-Dioxane  
Concen: 398.931 ug/l  
RT: 9.09 min Scan# 779  
Delta R.T. 0.02 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 72.2  | 40.2  | 60.4# |
| 58      | 63.8  | 41.6  | 62.4# |

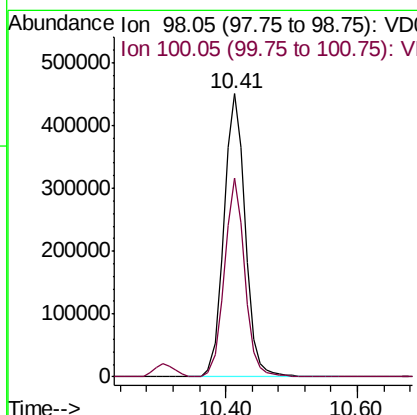
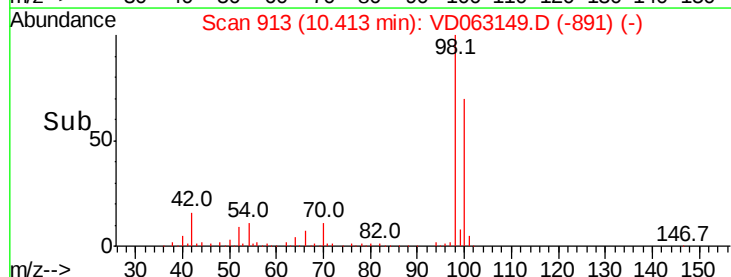
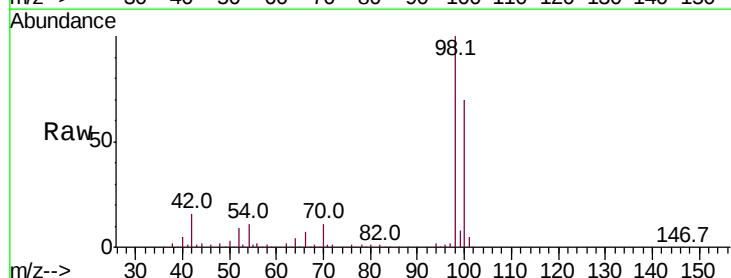
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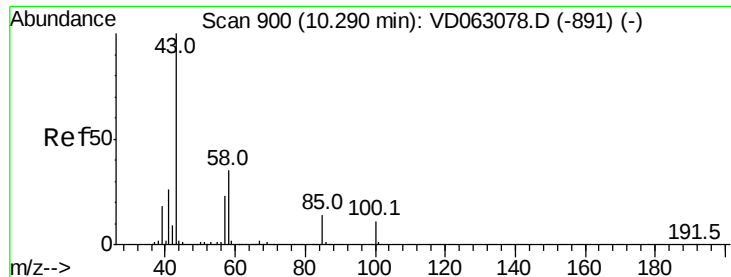
MMDadoda  
7/22/2019 10:42:57 AM



#50  
Toluene-d8  
Concen: 47.124 ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.4  | 53.5  | 80.3  |





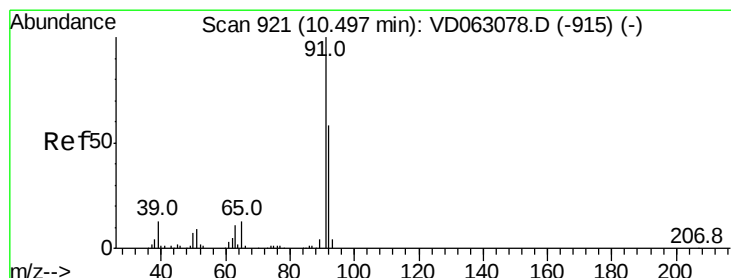
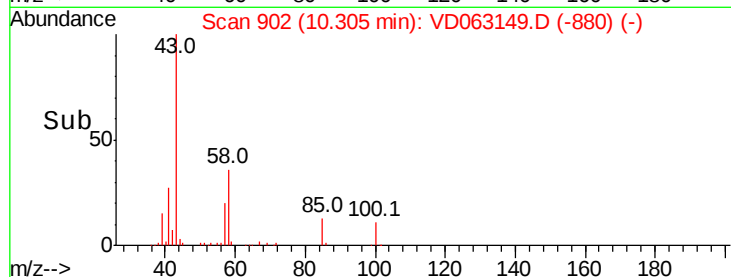
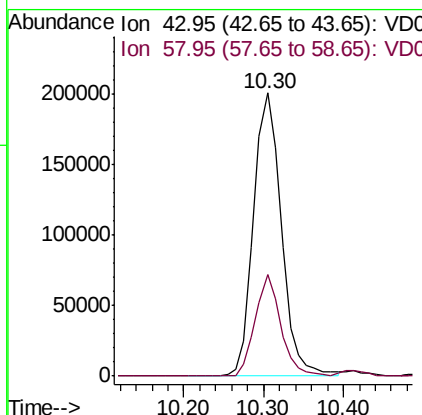
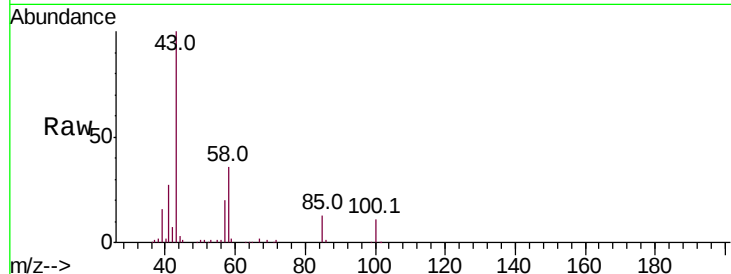
#51  
4-Methyl-2-Pentanone  
Concen: 104.097 ug/l  
RT: 10.30 min Scan# 902  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion: 43 Resp: 483776  
Ion Ratio Lower Upper  
43 100  
58 35.9 27.8 41.6

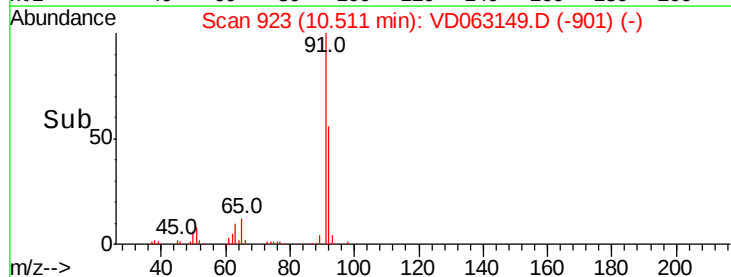
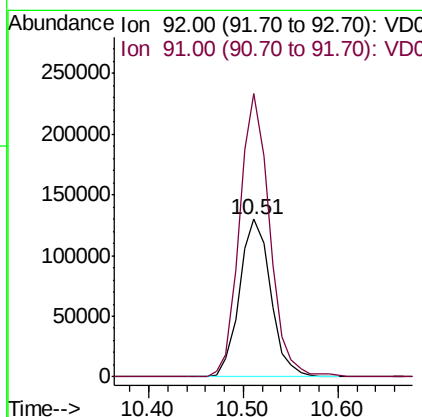
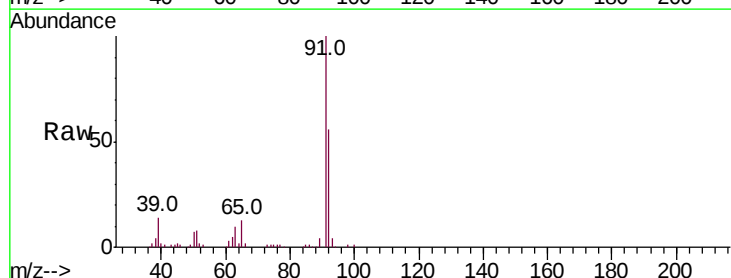
Manual Integrations  
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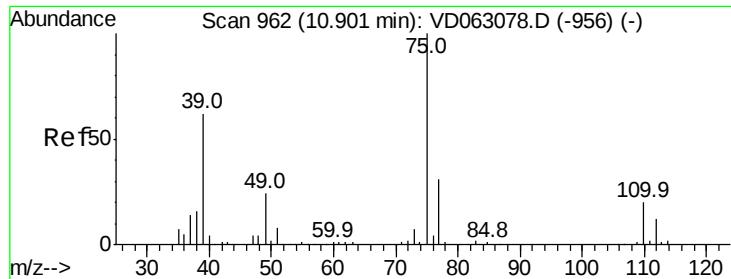
MMDadoda  
7/22/2019 10:42:57 AM



#52  
Toluene  
Concen: 18.647 ug/l  
RT: 10.51 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion: 92 Resp: 297882  
Ion Ratio Lower Upper  
92 100  
91 179.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.146 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 75 Resp: 219396

Ion Ratio Lower Upper

75 100

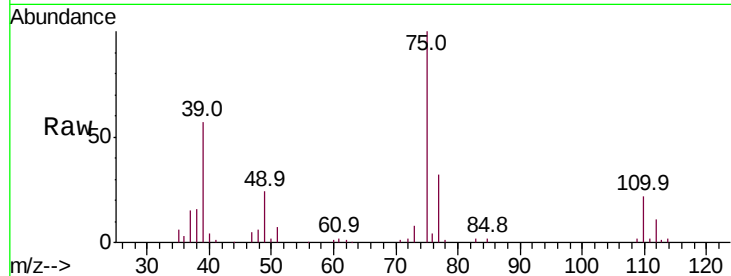
77 32.5 24.9 37.3

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.91

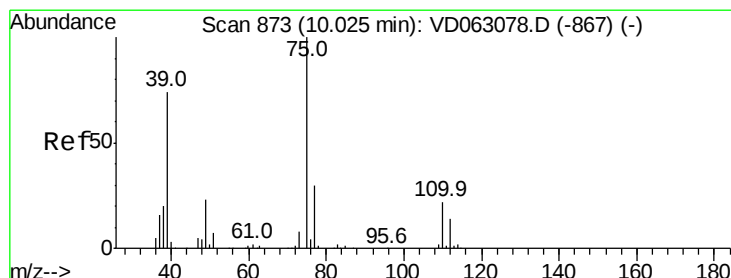
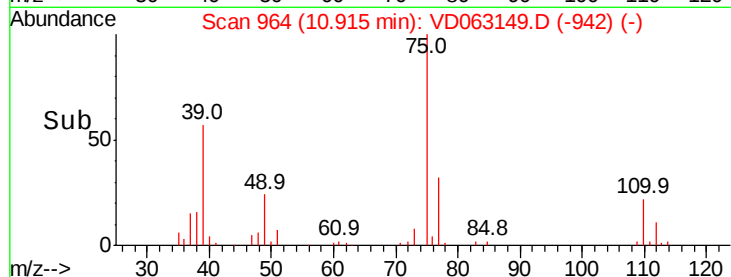
100000

50000

0

Time-->

10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 19.205 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

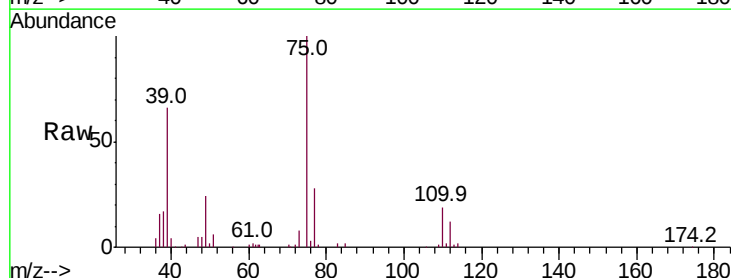
Tgt Ion: 75 Resp: 227549

Ion Ratio Lower Upper

75 100

77 28.5 23.9 35.9

39 66.0 59.4 89.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

150000

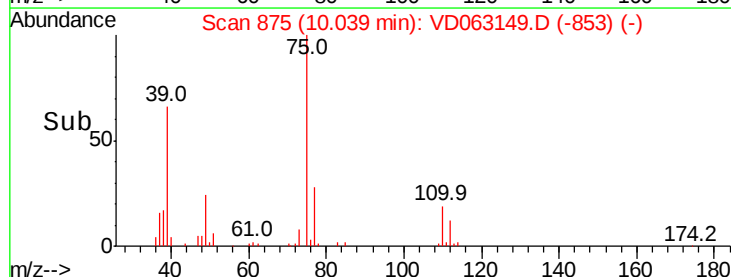
100000

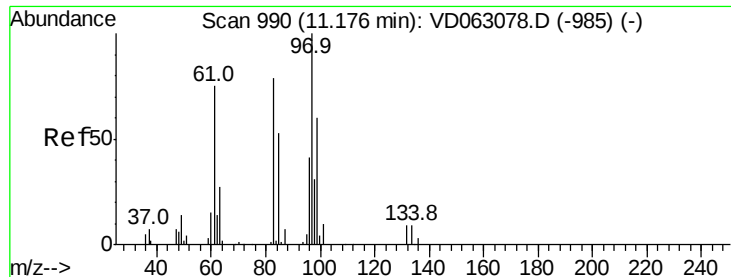
50000

0

Time-->

9.90 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 20.362 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 97 Resp: 112415

Ion Ratio Lower Upper

97 100

83 80.0 63.2 94.8

85 54.5 42.0 63.0

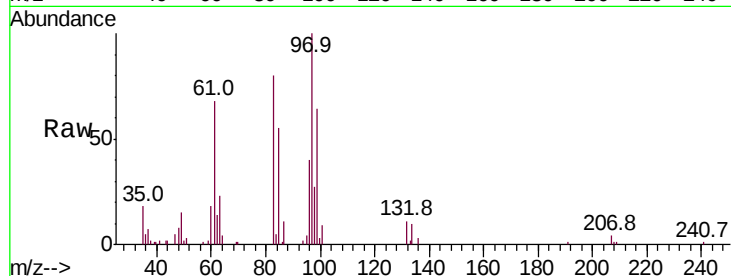
99 64.2 48.3 72.5

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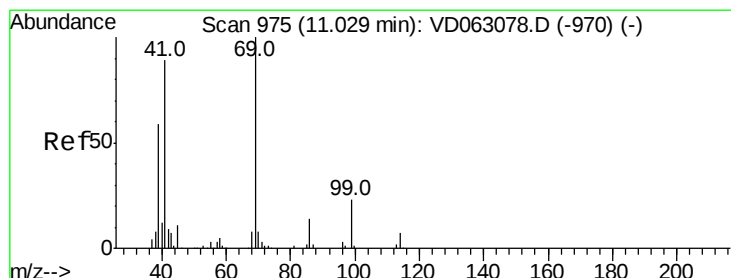
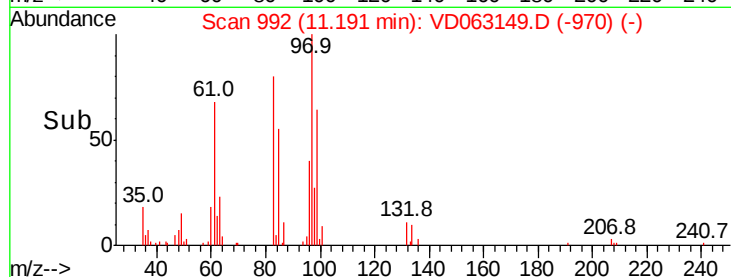
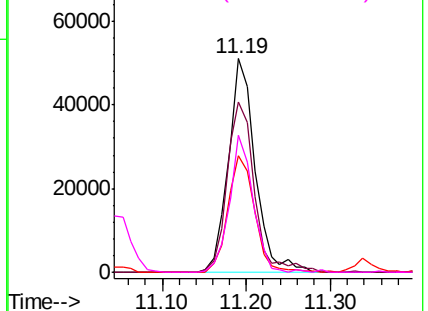


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 18.765 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

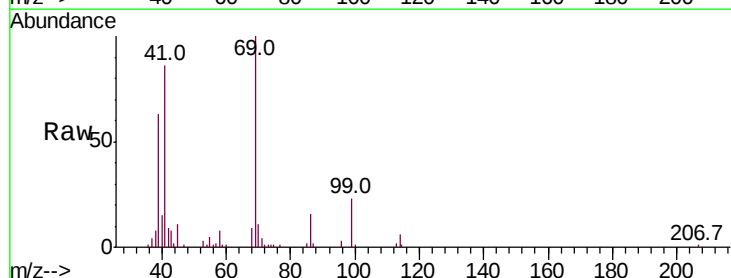
Tgt Ion: 69 Resp: 115748

Ion Ratio Lower Upper

69 100

41 86.1 71.0 106.4

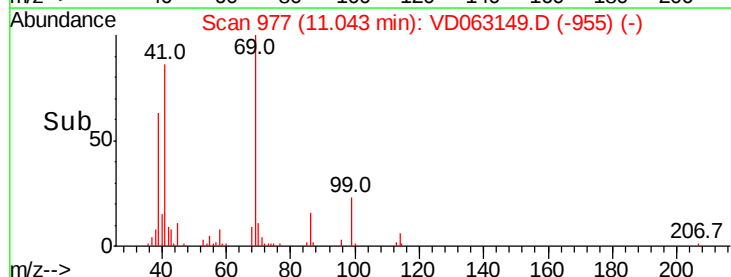
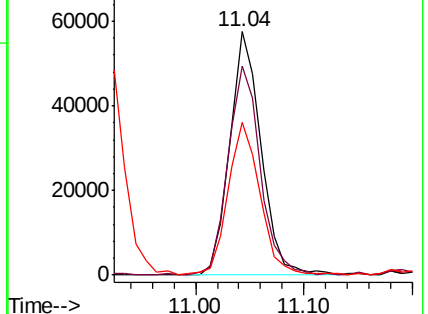
39 62.9 47.7 71.5

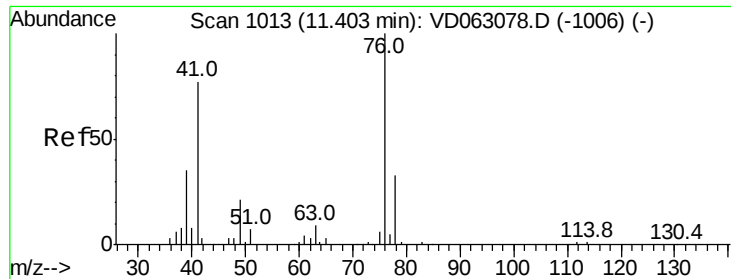


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





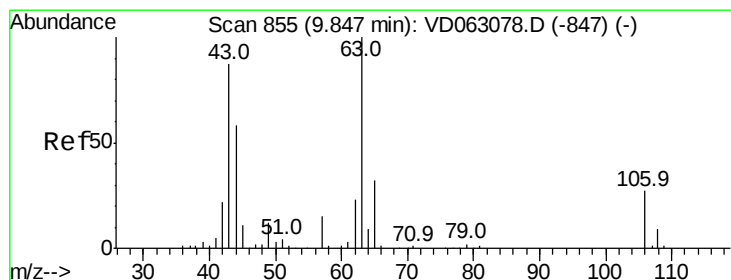
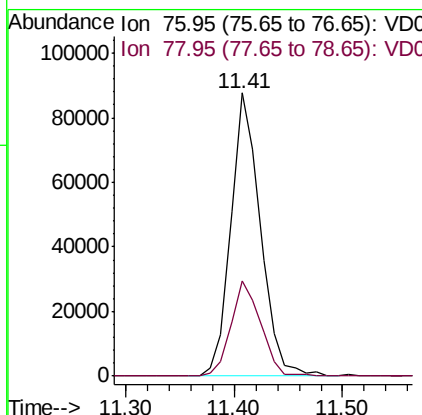
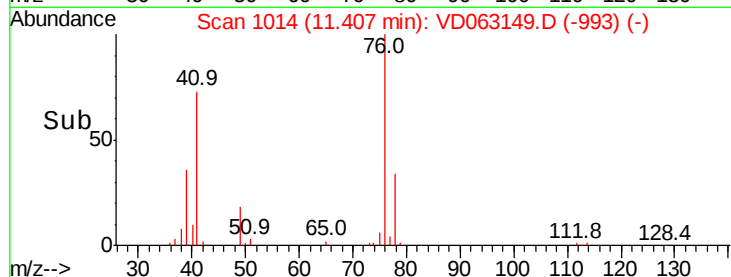
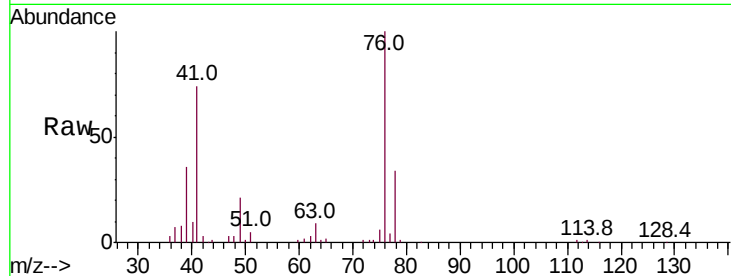
#57  
 1,3-Dichloropropane  
 Concen: 19.799 ug/l  
 RT: 11.41 min Scan# 1014  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0719SBS01

Tot Ion: 76 Resp: 166323  
 Ion Ratio Lower Upper  
 76 100  
 78 33.7 26.8 40.2

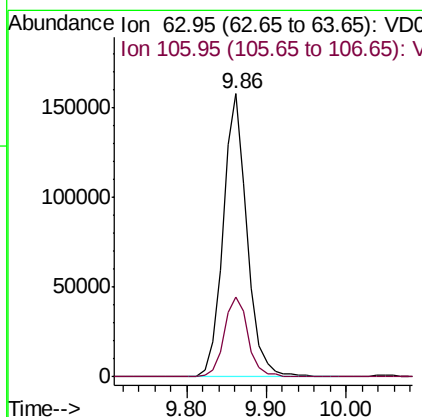
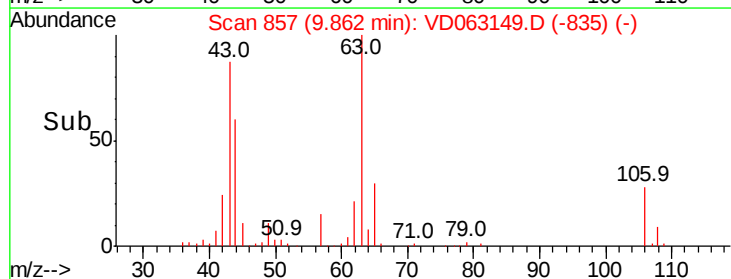
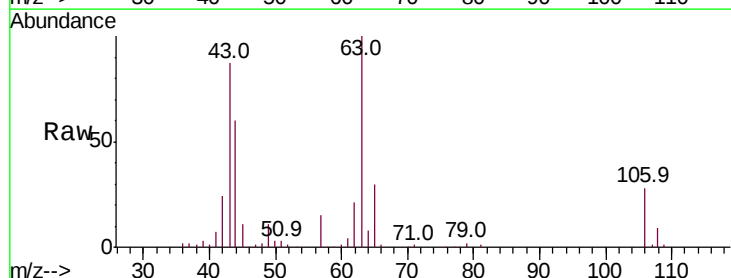
Manual Integrations  
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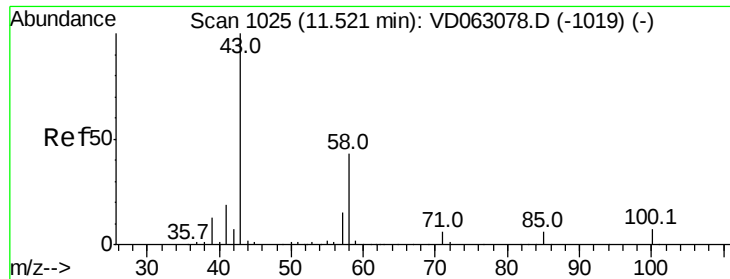
MMDadoda  
 7/22/2019 10:42:57 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.846 ug/l  
 RT: 9.86 min Scan# 857  
 Delta R.T. 0.01 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Tgt Ion: 63 Resp: 332622  
 Ion Ratio Lower Upper  
 63 100  
 106 28.0 21.3 31.9





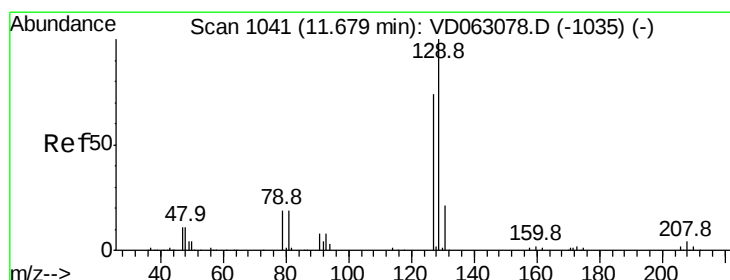
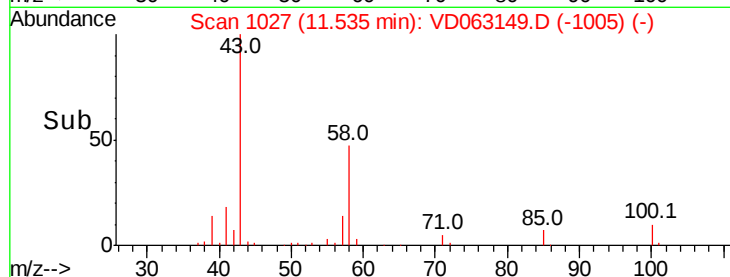
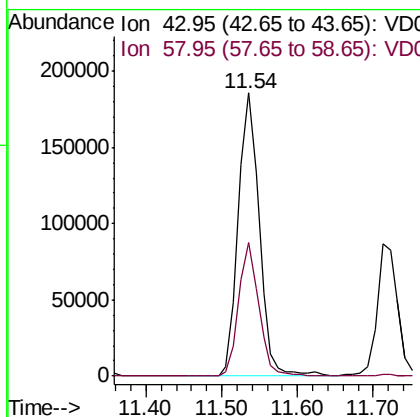
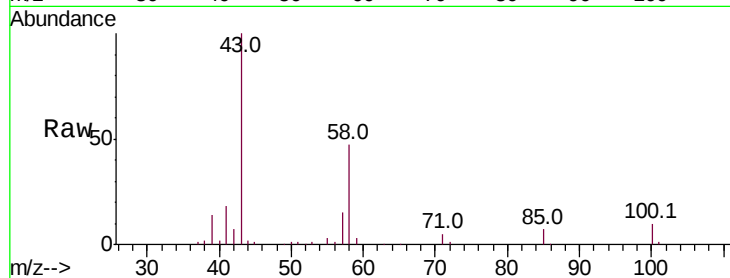
#59  
2-Hexanone  
Concen: 99.271 ug/l  
RT: 11.54 min Scan# 1027  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBSD01

Tot Ion: 43 Resp: 355797  
Ion Ratio Lower Upper  
43 100  
58 47.0 21.7 65.1

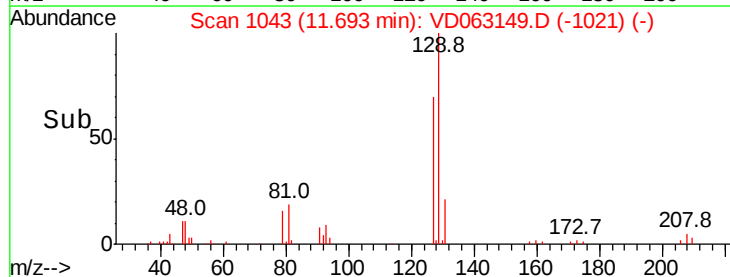
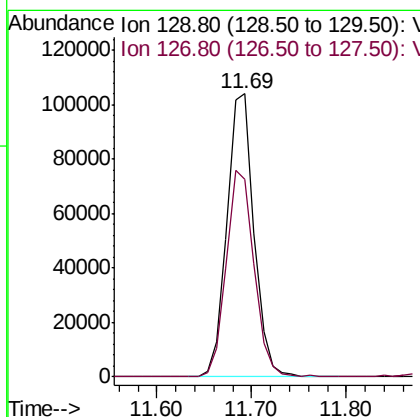
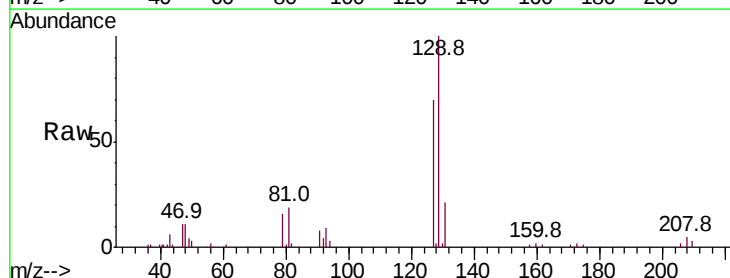
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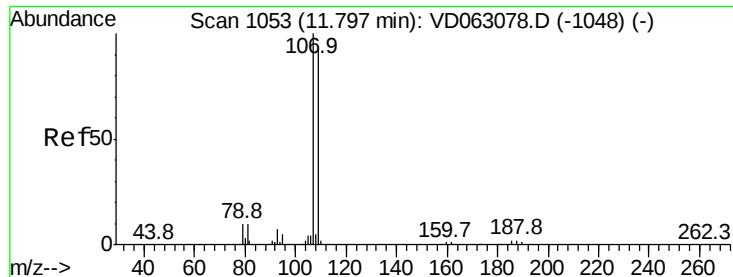
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 19.443 ug/l  
RT: 11.69 min Scan# 1043  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion: 129 Resp: 205757  
Ion Ratio Lower Upper  
129 100  
127 69.7 37.0 110.9





#61

1,2-Dibromoethane

Concen: 20.356 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 107 Resp: 134520

Ion Ratio Lower Upper

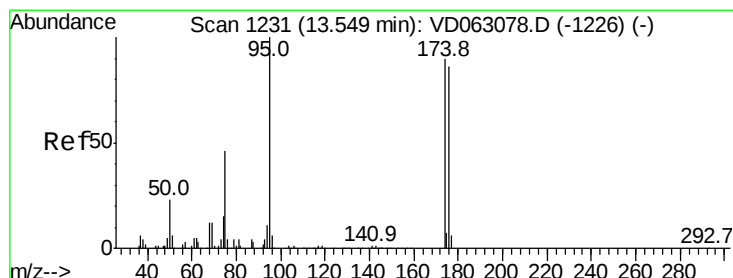
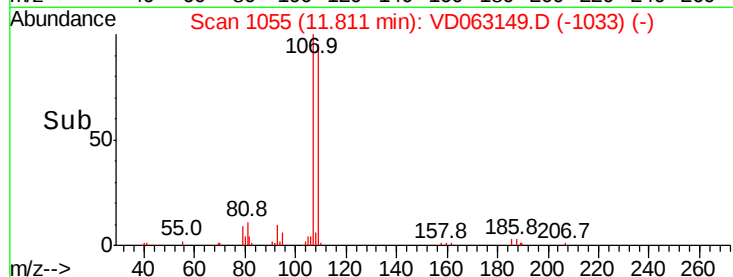
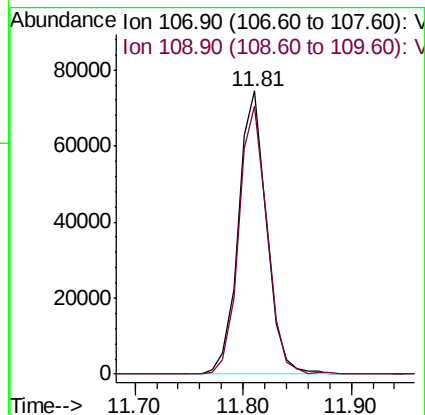
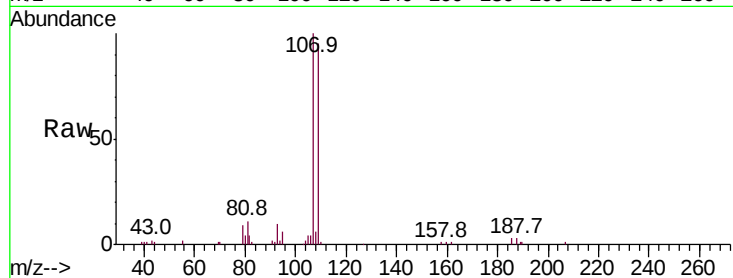
107 100

109 94.8 73.6 110.4

Manual Integrations  
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#62

4-Bromofluorobenzene

Concen: 45.138 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

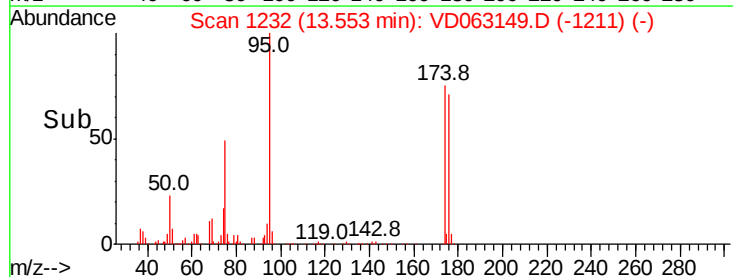
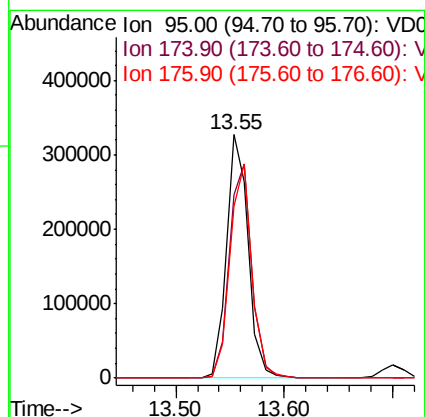
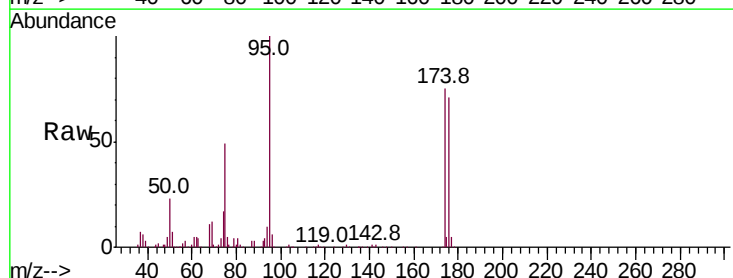
Tgt Ion: 95 Resp: 453742

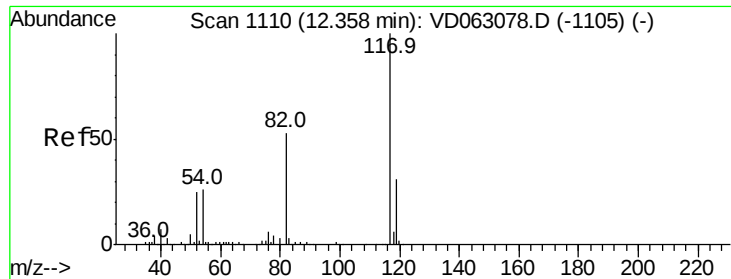
Ion Ratio Lower Upper

95 100

174 75.5 0.0 180.6

176 70.8 0.0 172.2





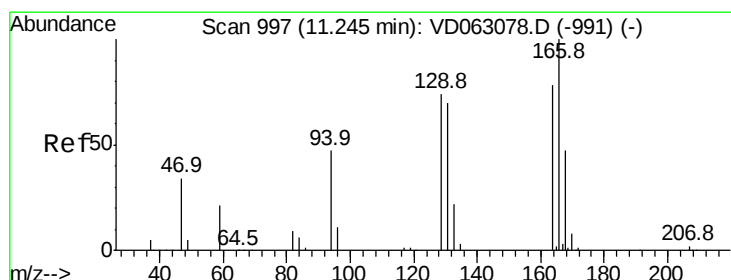
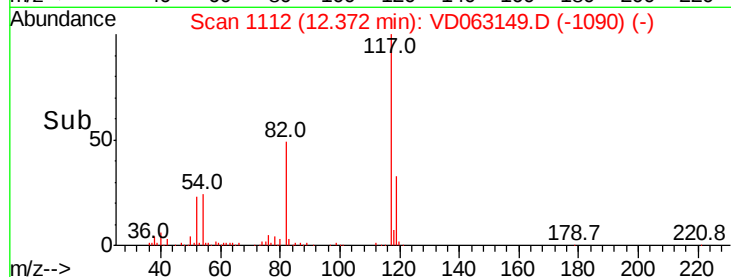
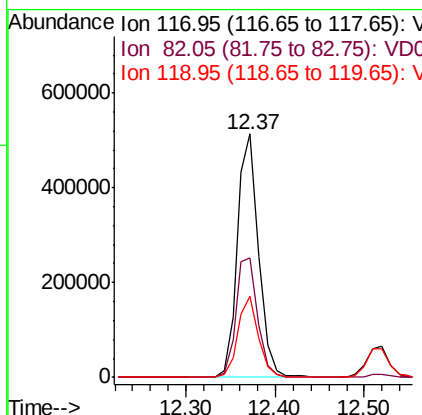
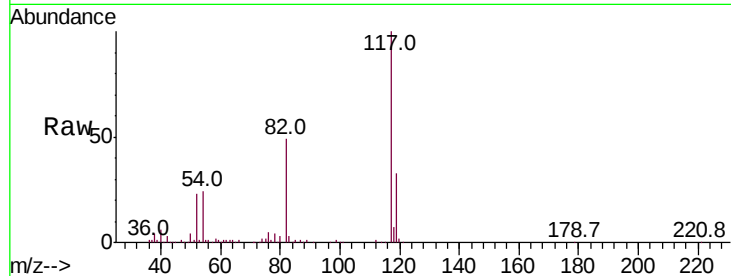
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 852066 |       |       |
| 82      | 49.2  |        | 42.3  | 63.5  |
| 119     | 33.1  |        | 25.2  | 37.8  |

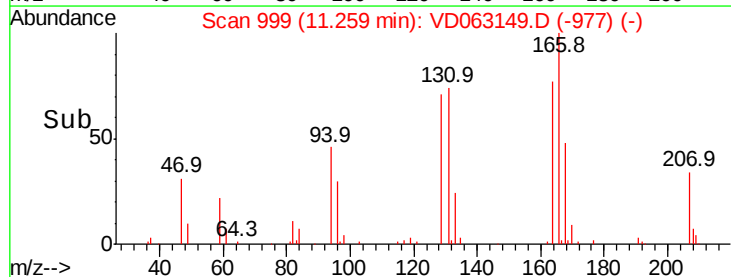
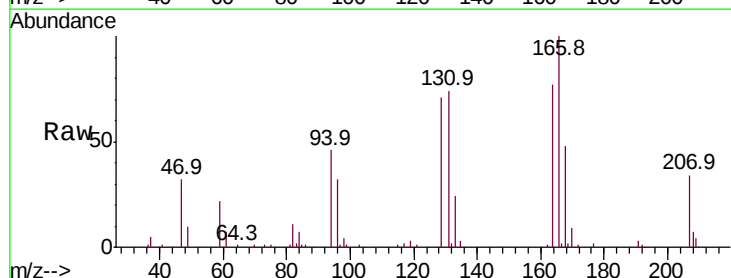
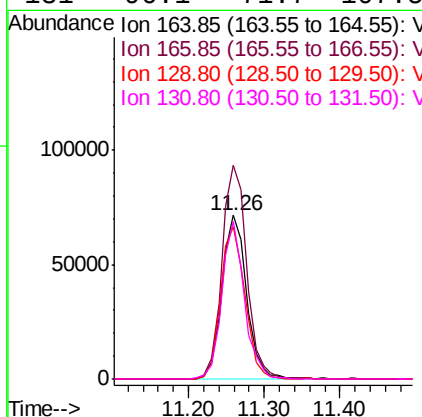
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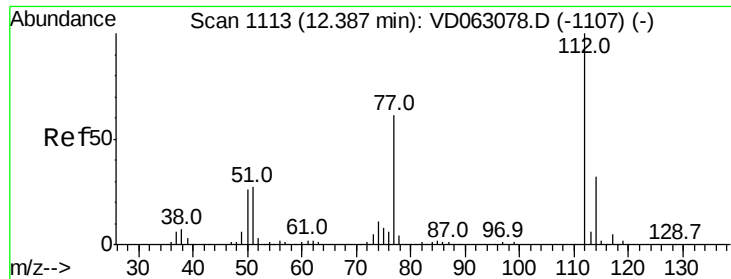
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 19.524 ug/l  
RT: 11.26 min Scan# 999  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 161419 |       |       |
| 166     | 130.7 |        | 102.8 | 154.2 |
| 129     | 92.9  |        | 76.4  | 114.6 |
| 131     | 96.1  |        | 71.7  | 107.5 |





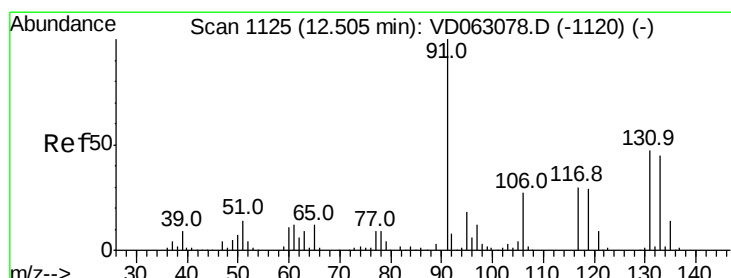
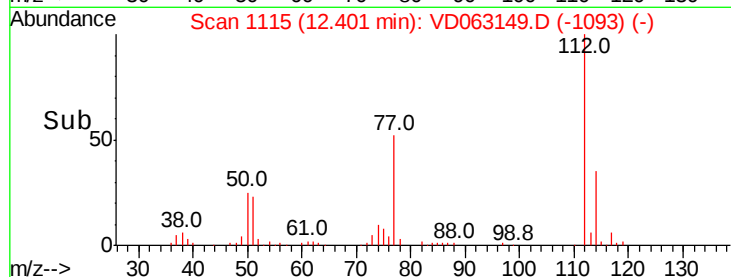
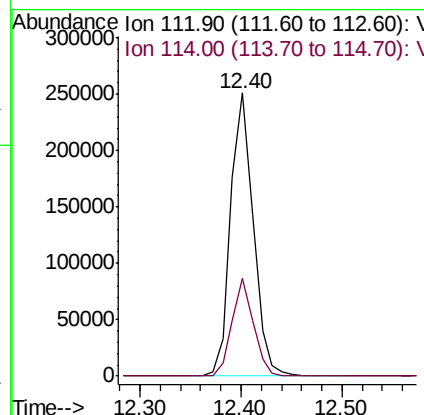
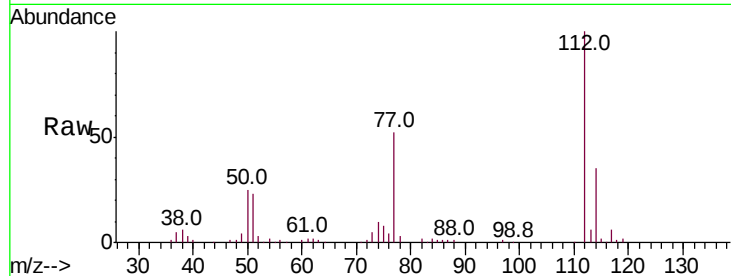
#65  
Chlorobenzene  
Concen: 19.628 ug/l  
RT: 12.40 min Scan# 1115  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion:112 Resp: 393148  
Ion Ratio Lower Upper  
112 100  
114 34.8 25.9 38.9

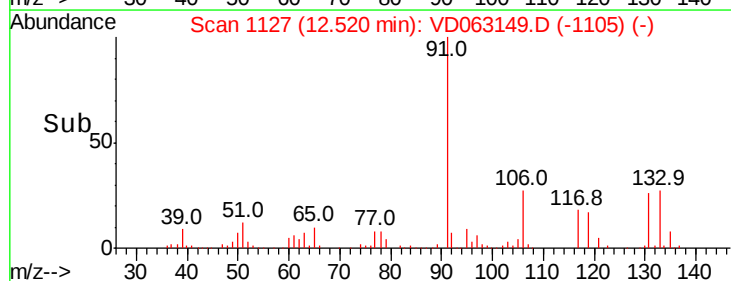
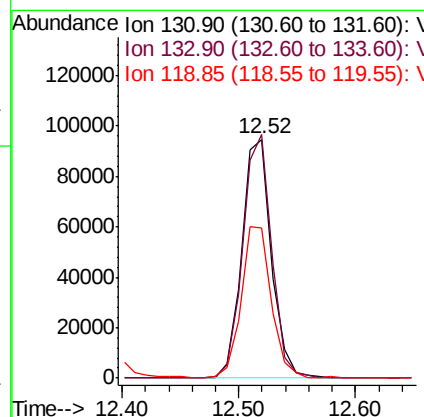
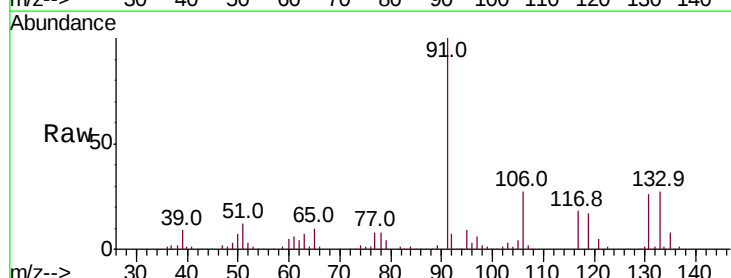
Manual Integrations  
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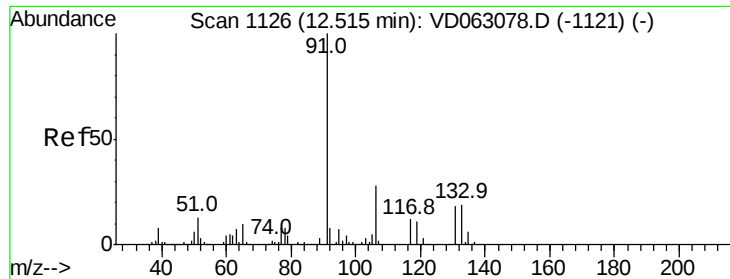
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 17.888 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion:131 Resp: 166112  
Ion Ratio Lower Upper  
131 100  
133 101.9 48.5 145.6  
119 63.0 30.8 92.3





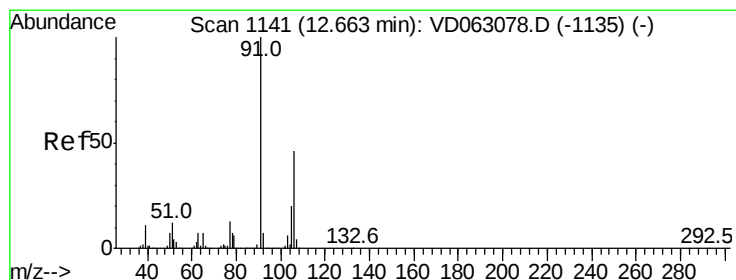
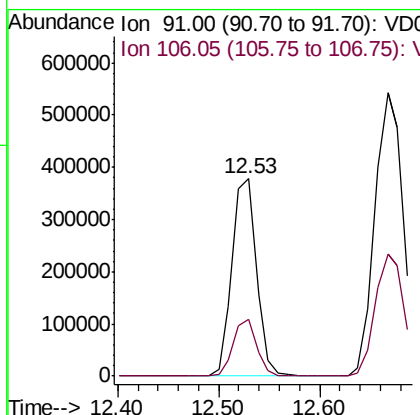
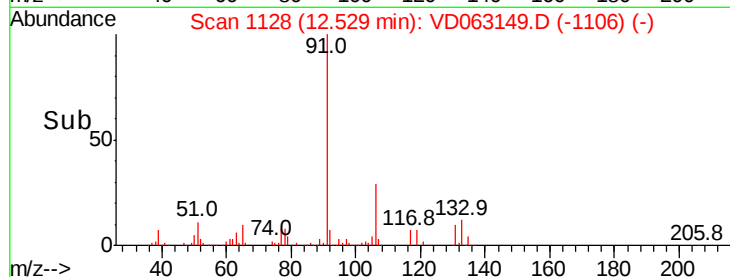
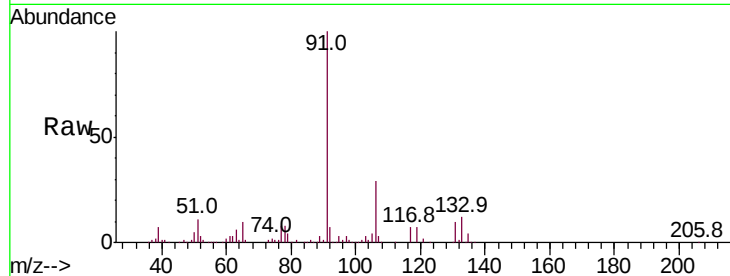
#67  
Ethyl Benzene  
Concen: 18.359 ug/l  
RT: 12.53 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion: 91 Resp: 638928  
Ion Ratio Lower Upper  
91 100  
106 28.8 22.5 33.7

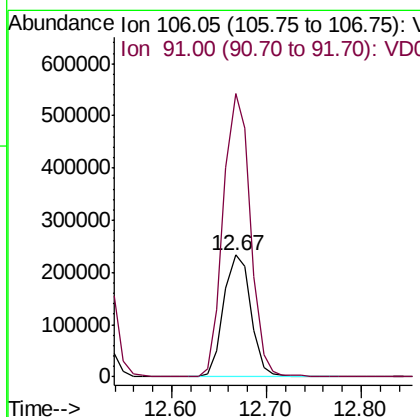
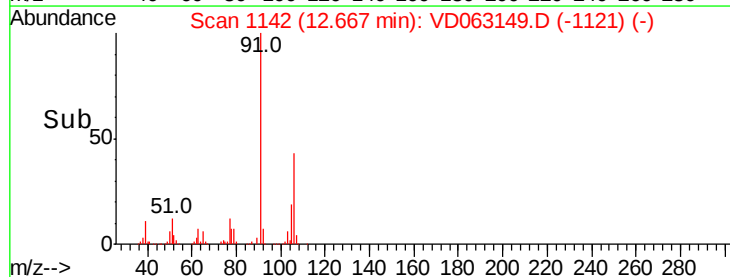
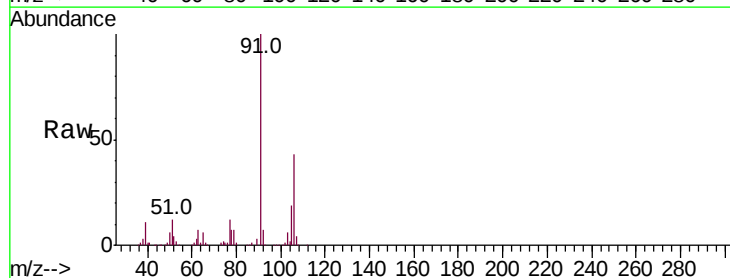
Manual Integrations  
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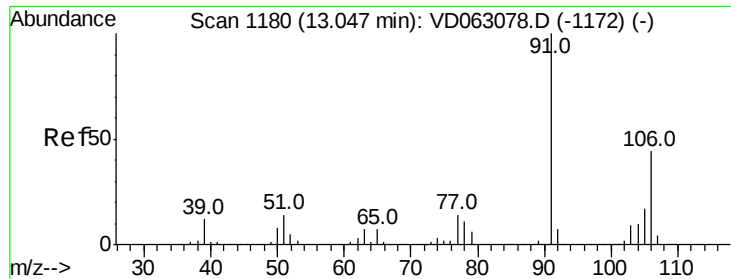
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#68  
m/p-Xylenes  
Concen: 37.457 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion: 106 Resp: 466904  
Ion Ratio Lower Upper  
106 100  
91 233.0 173.0 259.6





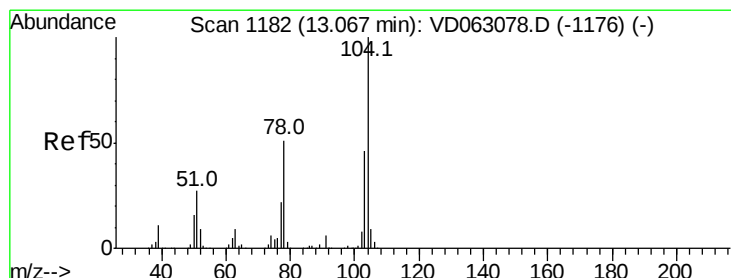
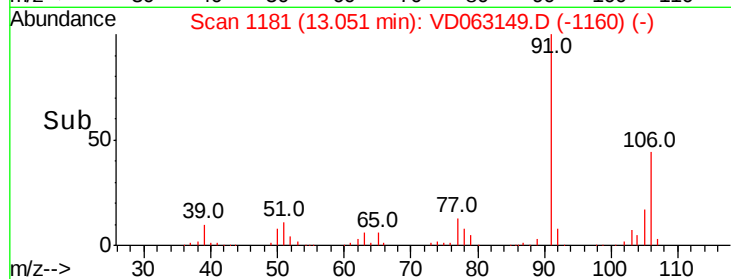
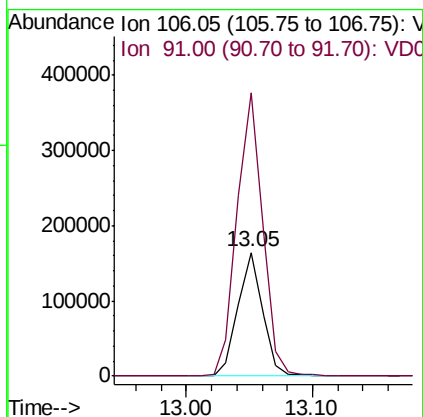
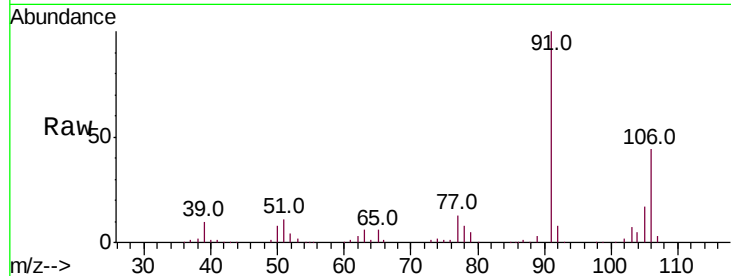
#69  
o-Xylene  
Concen: 18.845 ug/l  
RT: 13.05 min Scan# 1181  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

Tot Ion:106 Resp: 222739  
Ion Ratio Lower Upper  
106 100  
91 228.5 114.9 344.7

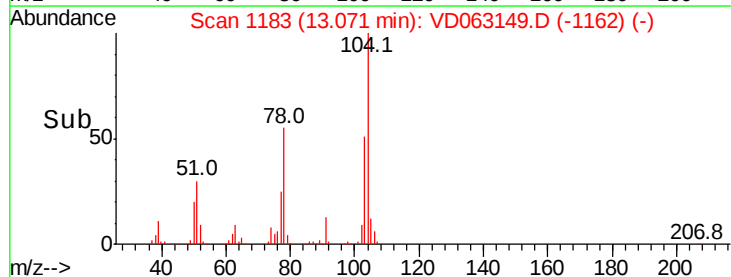
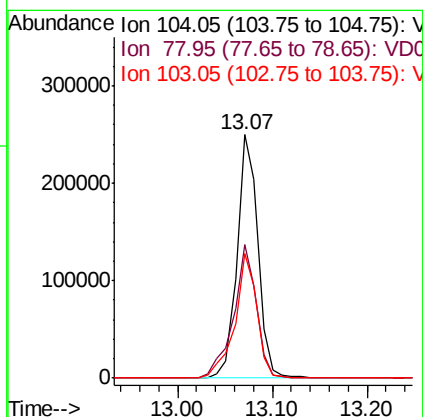
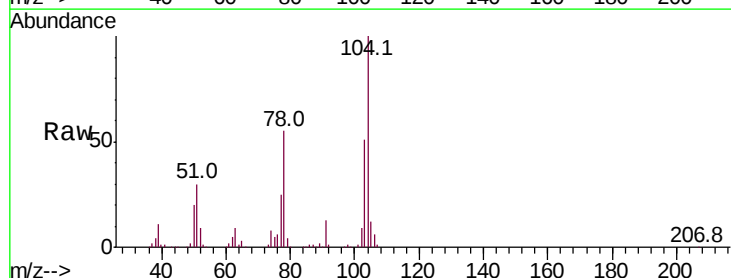
Manual Integrations  
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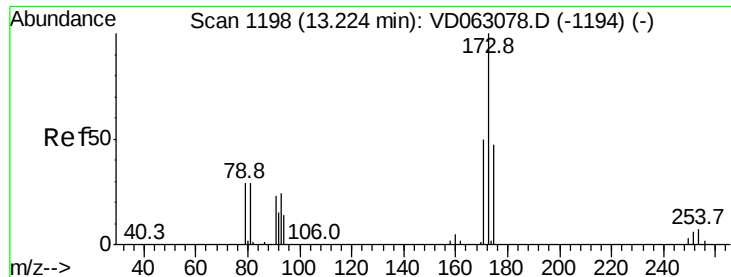
MMDadoda  
7/22/2019 10:42:57 AM



#70  
Styrene  
Concen: 18.382 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Tgt Ion:104 Resp: 380301  
Ion Ratio Lower Upper  
104 100  
78 55.0 41.1 61.7  
103 51.2 37.0 55.6





#71

Bromoform

Concen: 19.582 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion:173 Resp: 127308

Ion Ratio Lower Upper

173 100

175 39.7 23.4 70.2

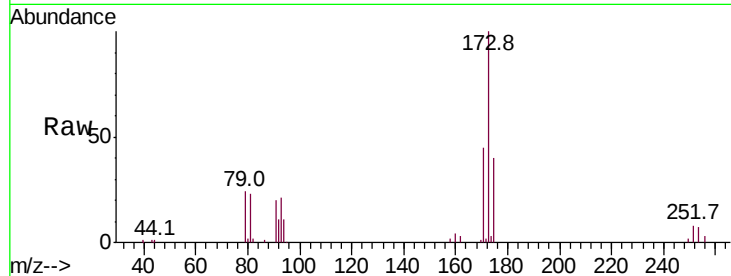
254 6.9 5.4 8.0

Manual Integrations

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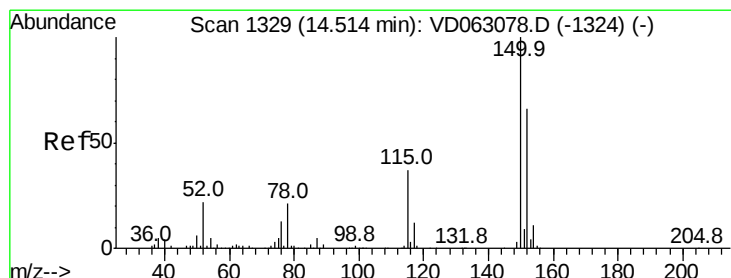
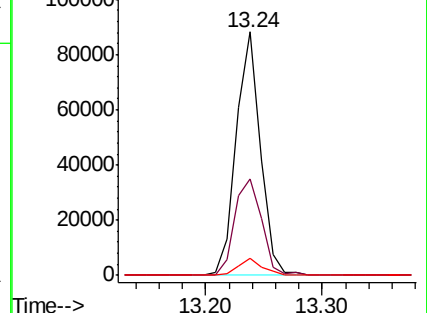
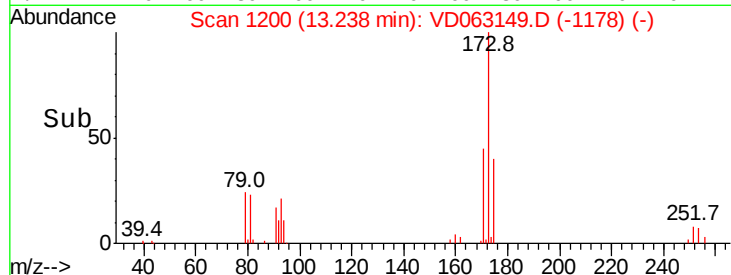
7/22/2019 10:42:57 AM



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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

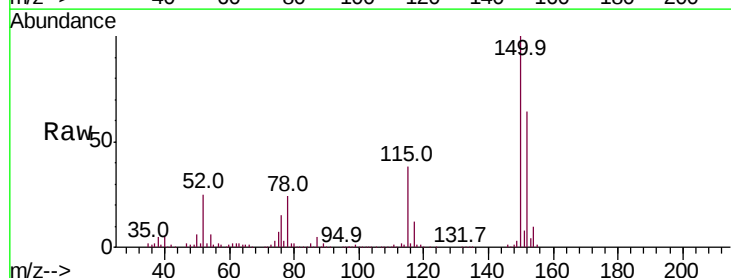
Tgt Ion:152 Resp: 492305

Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.8

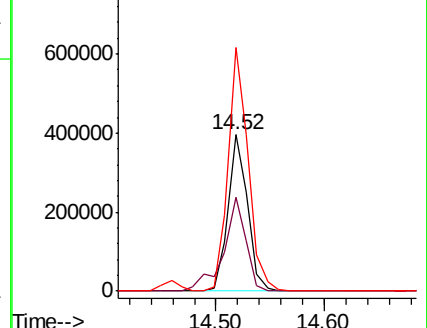
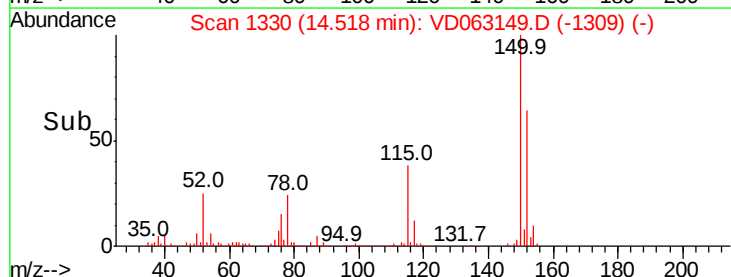
150 155.8 0.0 313.8

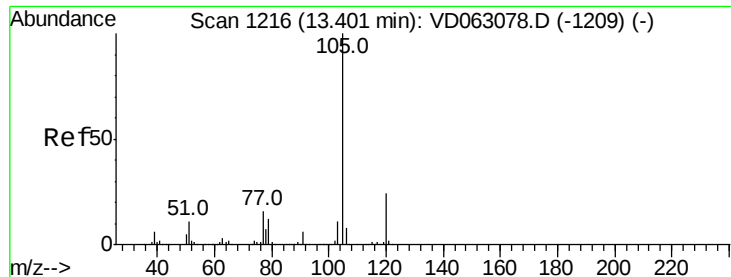


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.552 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion:105 Resp: 705347

Ion Ratio Lower Upper

105 100

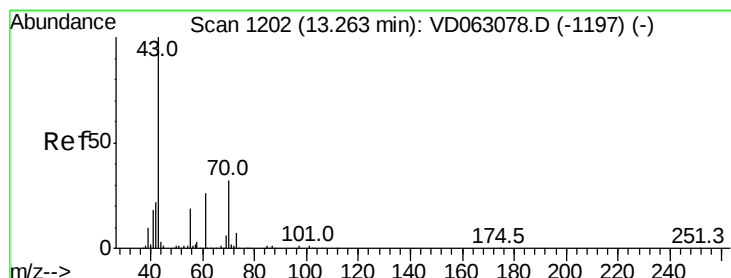
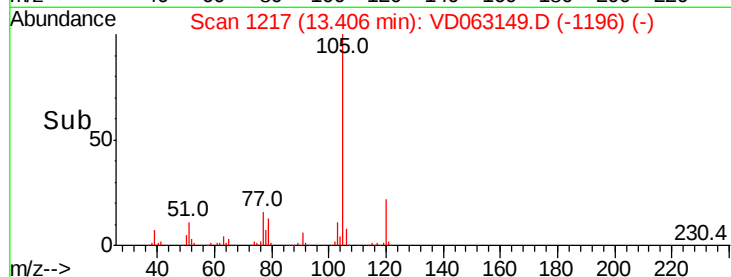
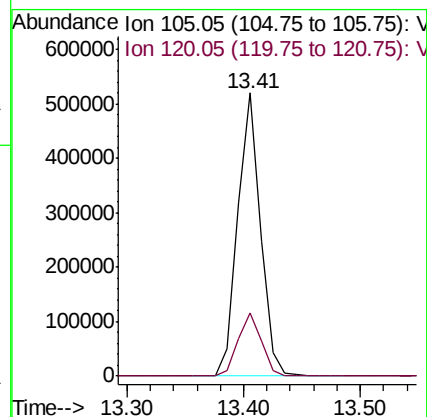
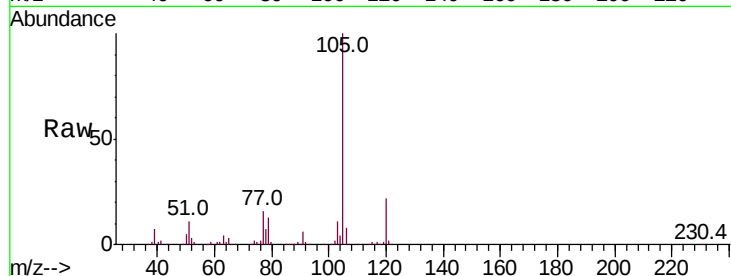
120 22.5 12.2 36.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.448 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Tgt Ion: 43 Resp: 195610

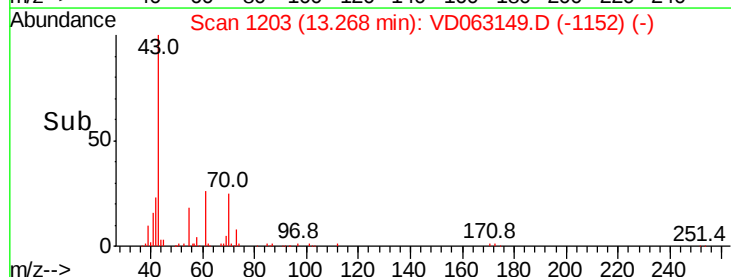
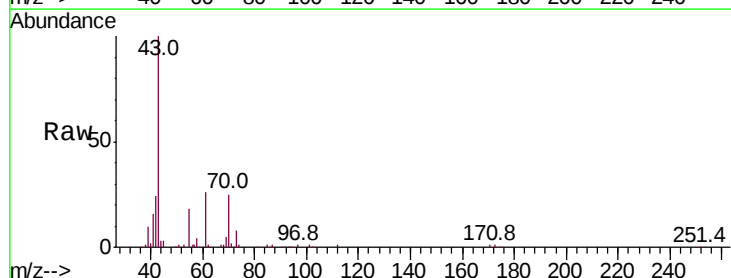
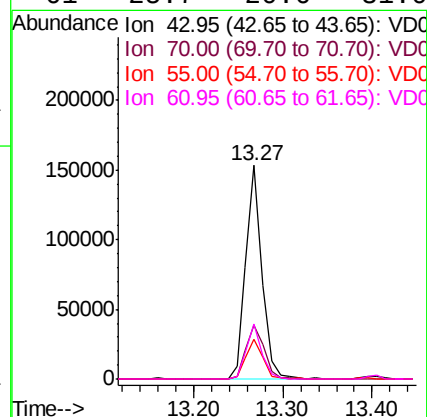
Ion Ratio Lower Upper

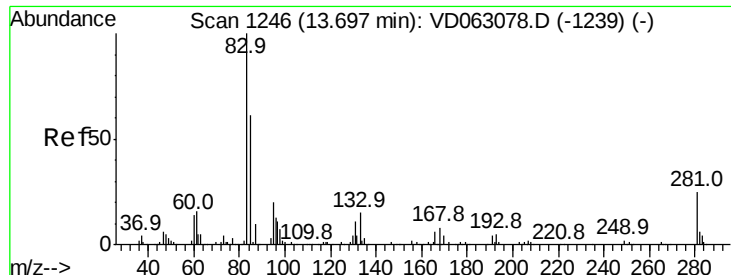
43 100

70 25.4 25.5 38.3#

55 18.4 15.4 23.0

61 25.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.351 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 83 Resp: 120025

Ion Ratio Lower Upper

83 100

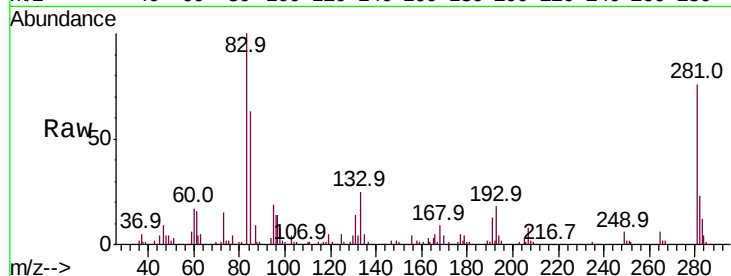
131 13.7 5.5 16.7

85 62.7 30.7 92.1

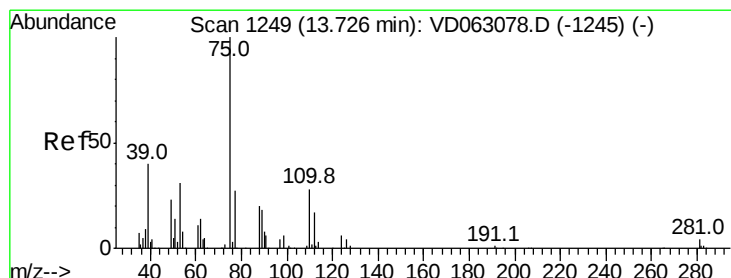
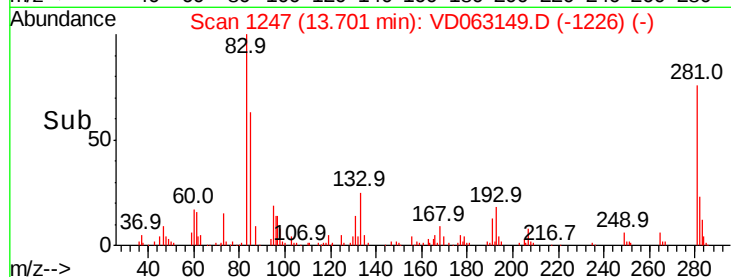
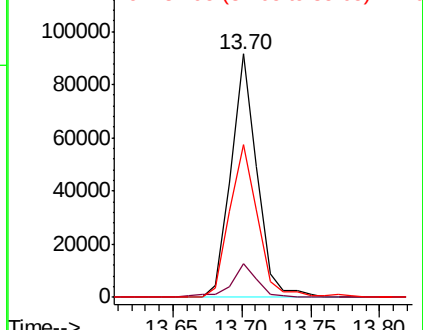
Manual Integrations  
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Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 130.90 (130.60 to 131.60): VDC  
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.414 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063149.D

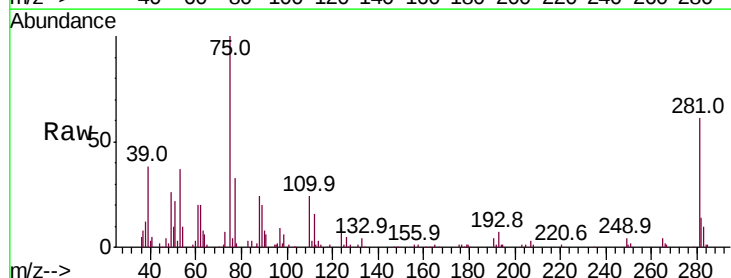
Acq: 19 Jul 2019 13:07

Tgt Ion: 75 Resp: 139451

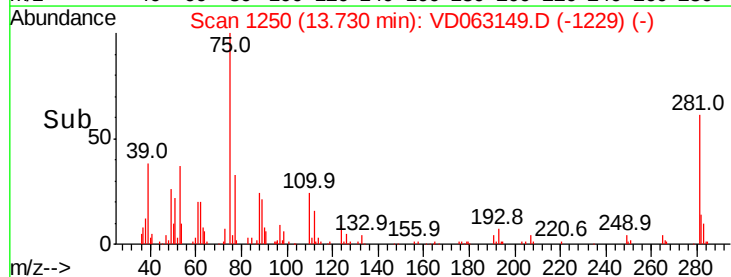
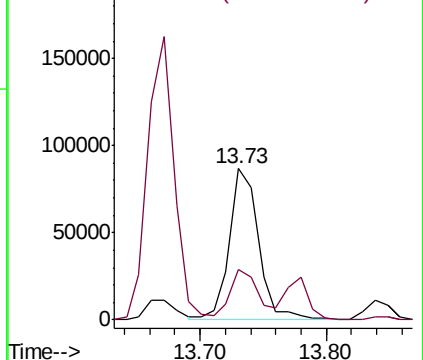
Ion Ratio Lower Upper

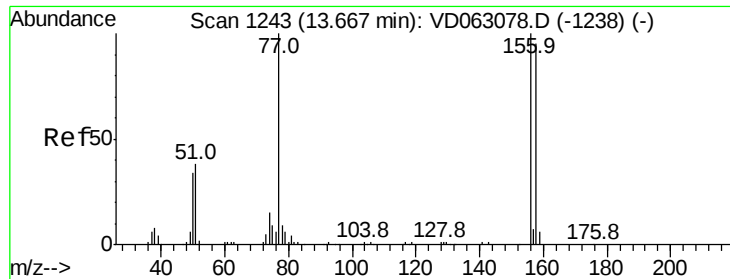
75 100

77 32.9 16.3 48.8



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 76.95 (76.65 to 77.65): VDC





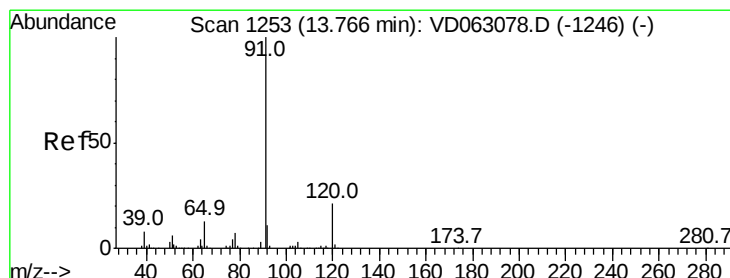
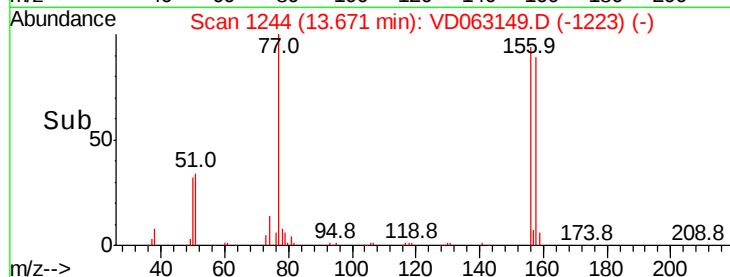
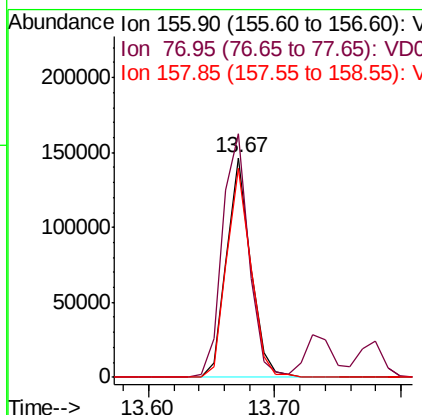
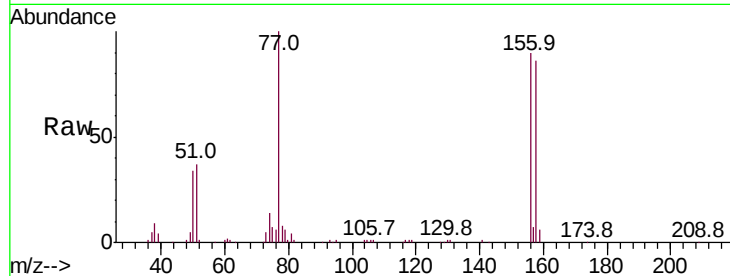
#77  
Bromobenzene  
Concen: 17.970 ug/l  
RT: 13.67 min Scan# 1244  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 110.9 | 50.2  | 150.7 |
| 158     | 95.3  | 47.6  | 142.9 |

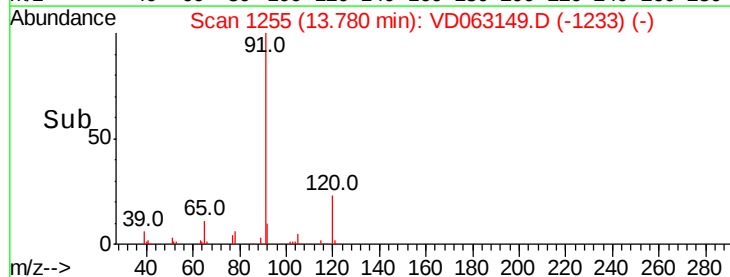
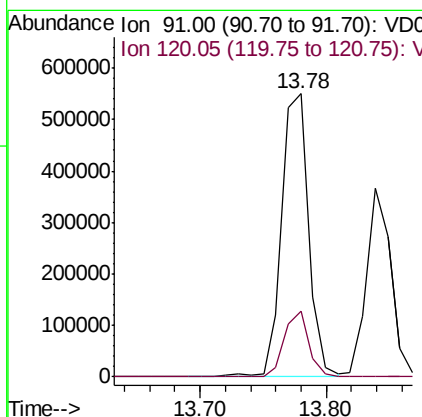
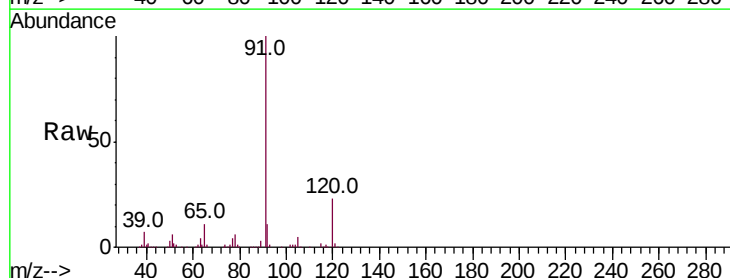
Manual Integrations  
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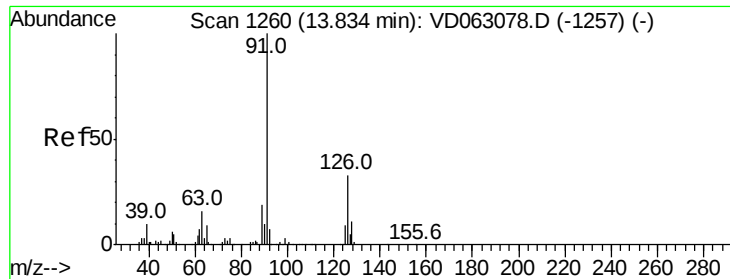
MMDadoda  
7/22/2019 10:42:57 AM



#78  
n-propylbenzene  
Concen: 18.763 ug/l  
RT: 13.78 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 23.3  | 10.5  | 31.6  |





#79

2-Chlorotoluene

Concen: 18.469 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063149.D

Acq: 19 Jul 2019 13:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0719SBS01

Tot Ion: 91 Resp: 488558

Ion Ratio Lower Upper

91 100

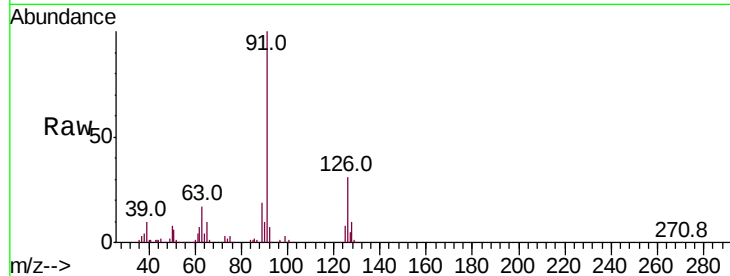
126 30.6 16.4 49.2

Manual Integrations

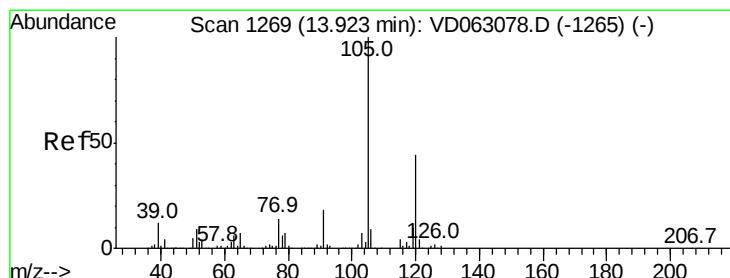
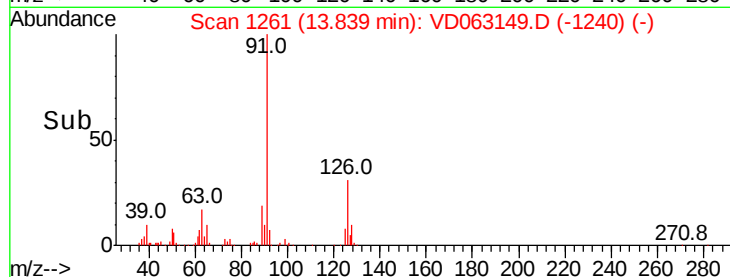
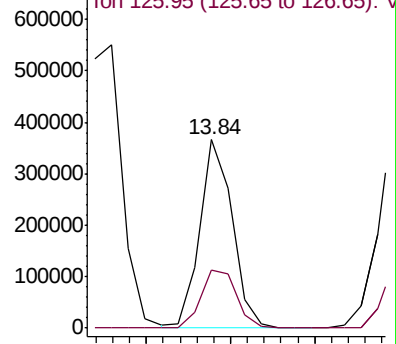
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Abundance Ion 91.00 (90.70 to 91.70): VD063078.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.602 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063149.D

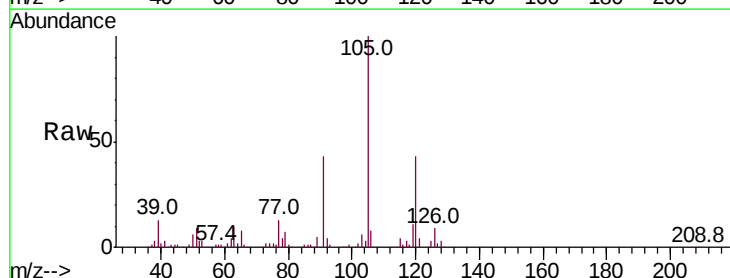
Acq: 19 Jul 2019 13:07

Tgt Ion: 105 Resp: 550123

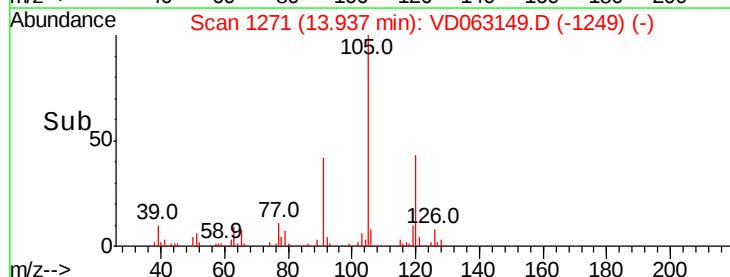
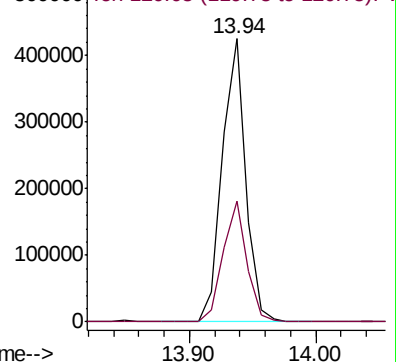
Ion Ratio Lower Upper

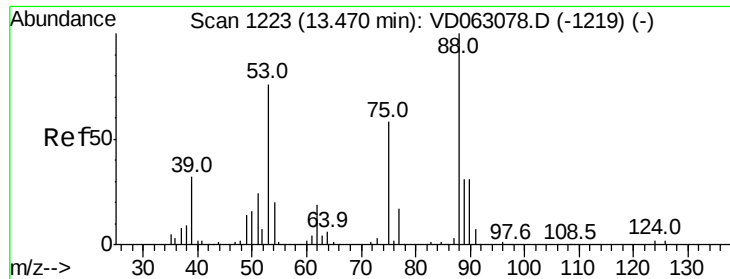
105 100

120 42.7 21.8 65.4



Abundance Ion 105.05 (104.75 to 105.75): VD063078.D (-1265) (-)





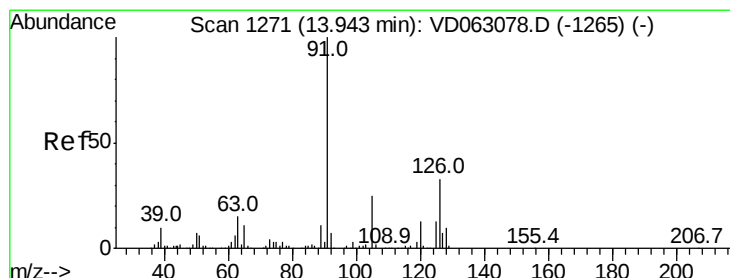
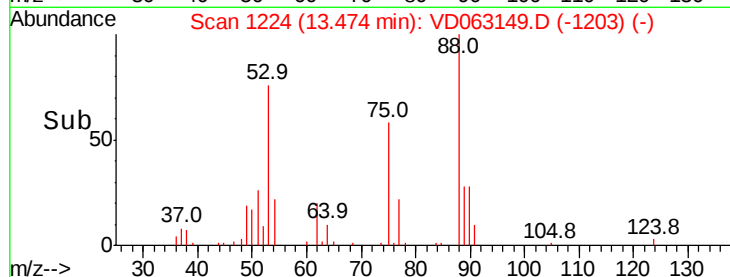
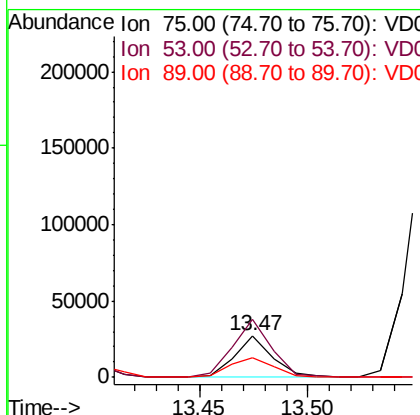
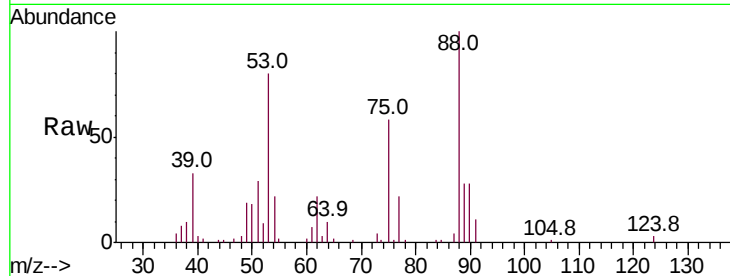
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.506 ug/l  
RT: 13.47 min Scan# 1224  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 138.1 | 104.4 | 156.6 |
| 89      | 48.4  | 43.1  | 64.7  |

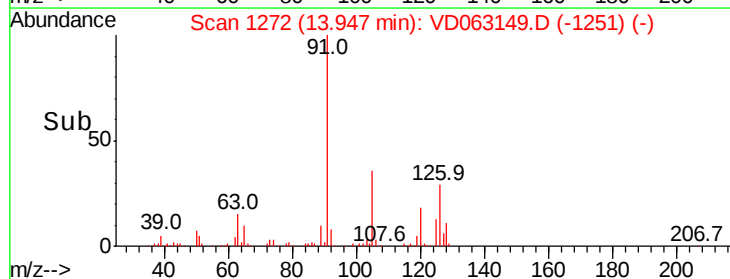
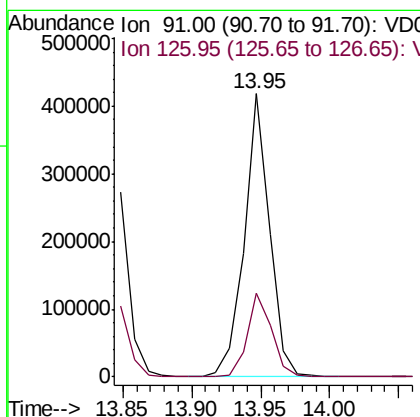
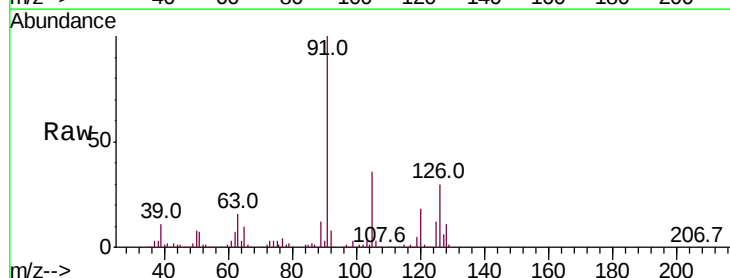
Manual Integrations  
APPROVED

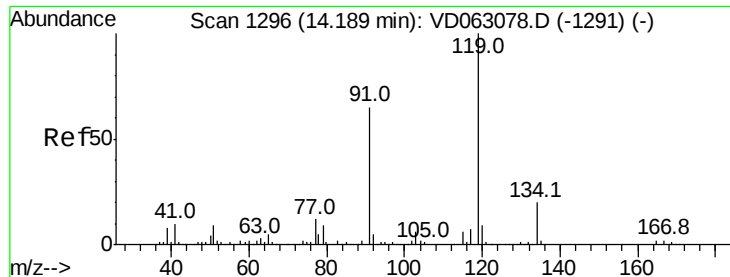
MMDadoda  
7/22/2019 10:42:57 AM



#82  
4-Chlorotoluene  
Concen: 17.165 ug/l  
RT: 13.95 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 29.6  | 16.7  | 50.1  |





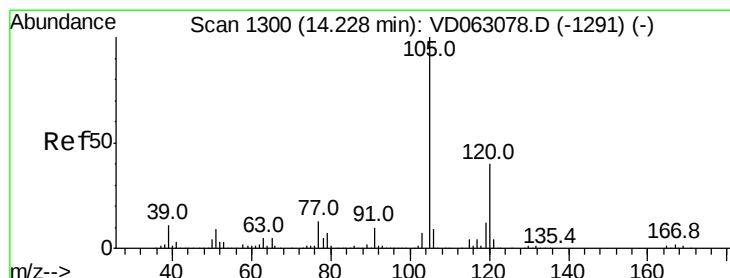
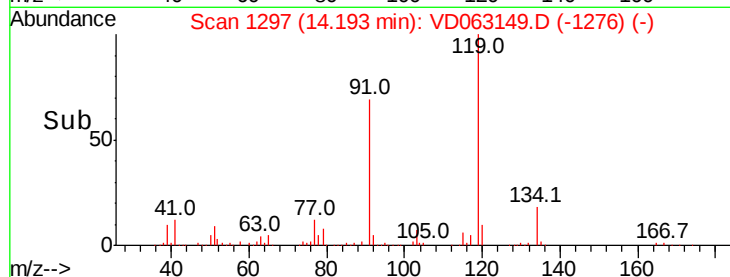
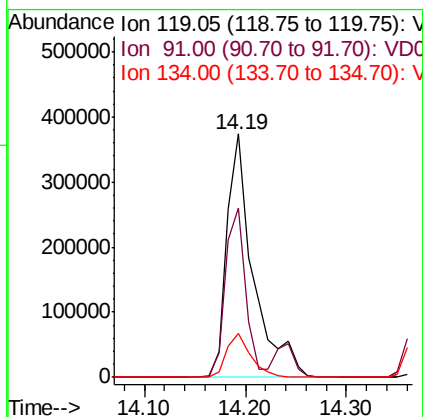
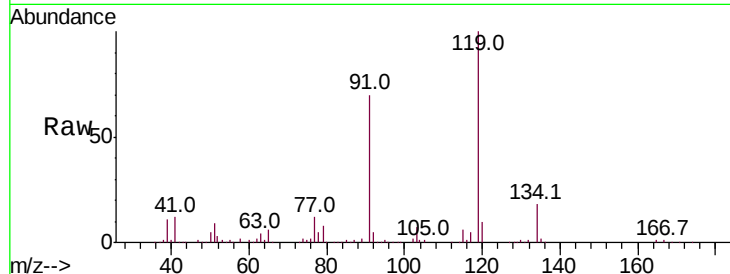
#83  
tert-Butylbenzene  
Concen: 18.148 ug/l  
RT: 14.19 min Scan# 1297  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 679945 |       |       |
| 91      | 69.5  |        | 32.4  | 97.2  |
| 134     | 18.3  |        | 10.2  | 30.6  |

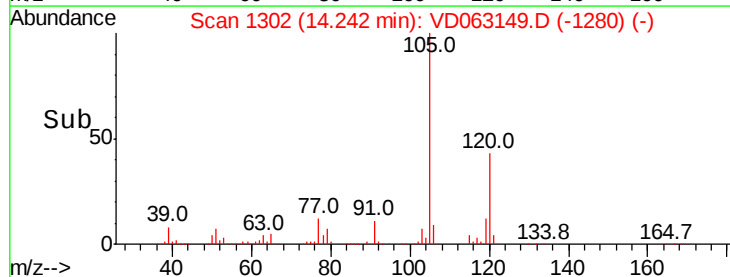
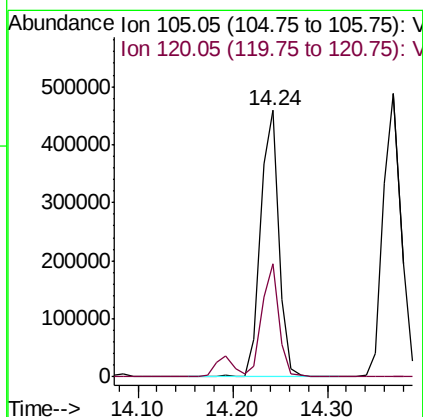
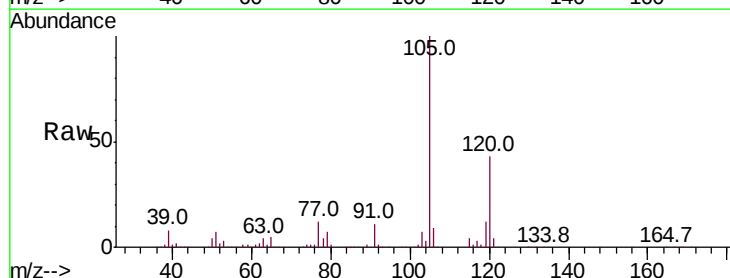
Manual Integrations  
APPROVED

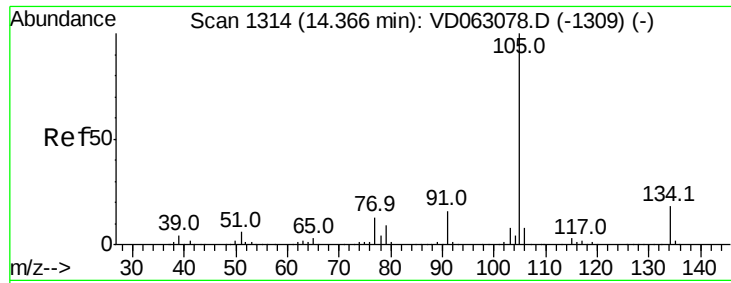
MMDadoda  
7/22/2019 10:42:57 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 18.801 ug/l  
RT: 14.24 min Scan# 1302  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 621079 |       |       |
| 120     | 42.6  |        | 20.2  | 60.6  |





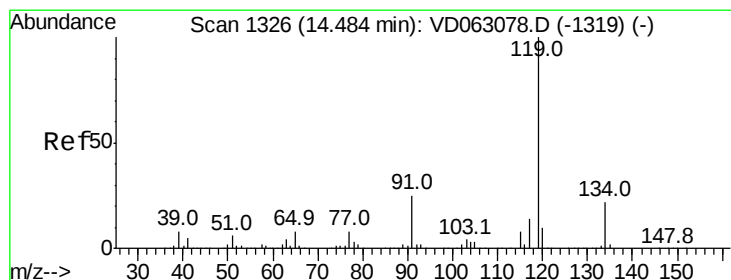
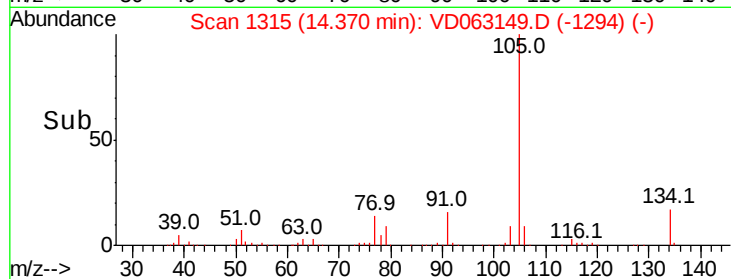
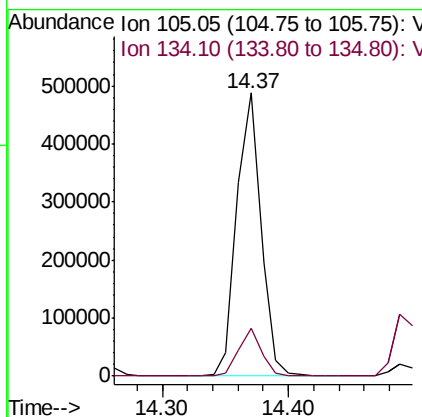
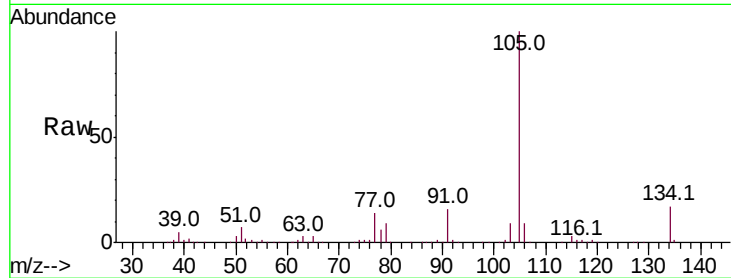
#85  
 sec-Butylbenzene  
 Concen: 16.325 ug/l  
 RT: 14.37 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0719SBS01

Tot Ion:105 Resp: 649872  
 Ion Ratio Lower Upper  
 105 100  
 134 16.7 8.9 26.8

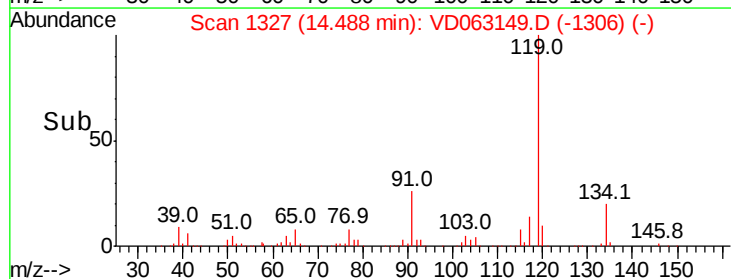
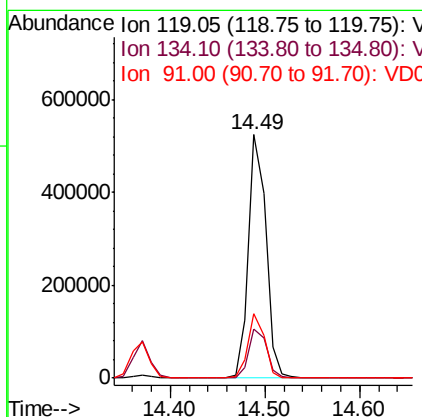
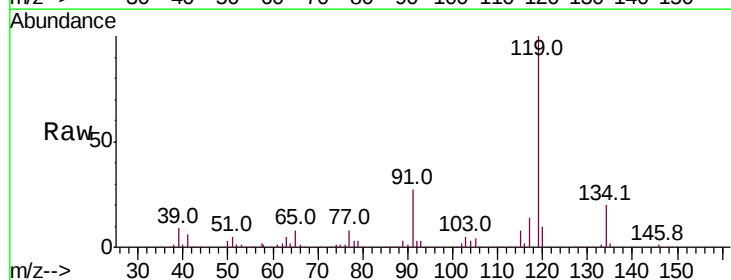
Manual Integrations  
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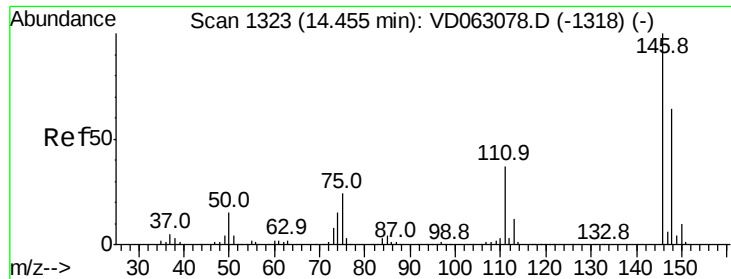
MMDadoda  
 7/22/2019 10:42:57 AM



#86  
 p-Isopropyltoluene  
 Concen: 18.123 ug/l  
 RT: 14.49 min Scan# 1327  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Tgt Ion:119 Resp: 672999  
 Ion Ratio Lower Upper  
 119 100  
 134 20.2 10.8 32.4  
 91 26.5 12.5 37.5





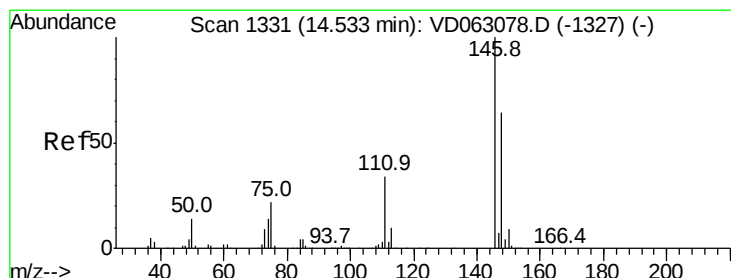
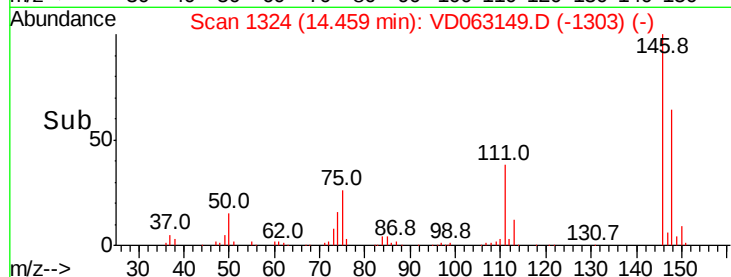
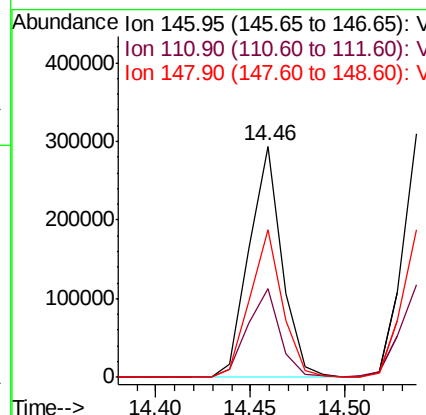
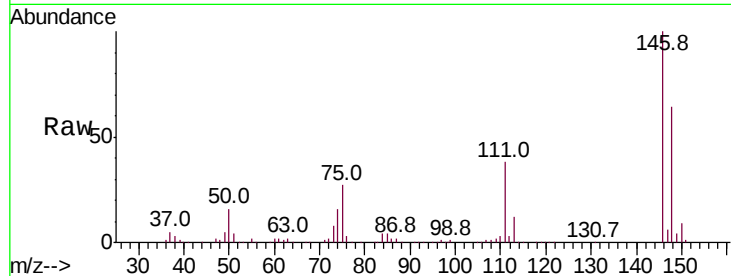
#87  
 1,3-Dichlorobenzene  
 Concen: 18.334 ug/l  
 RT: 14.46 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 18.6  | 55.6  |
| 148     | 63.8  | 32.0  | 96.0  |

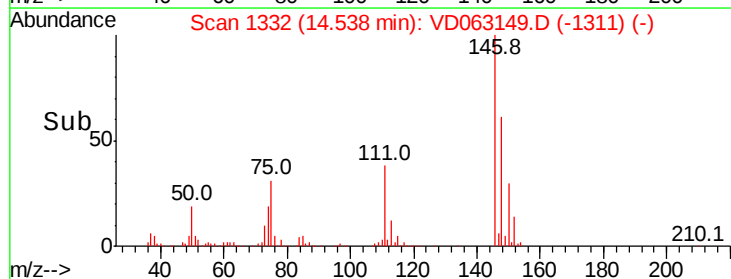
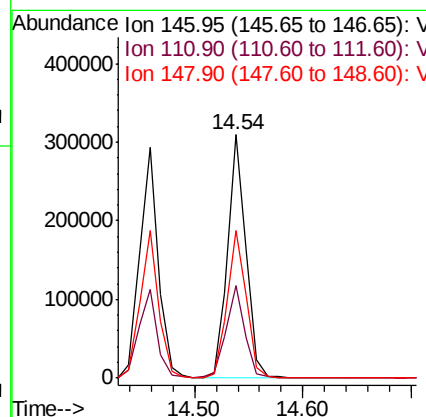
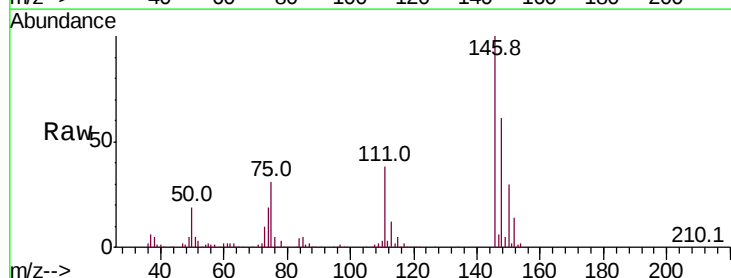
Manual Integrations  
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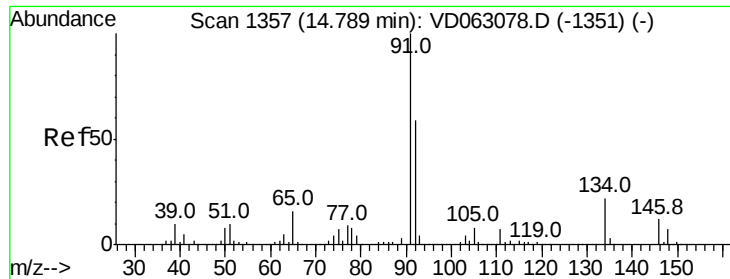
MMDadoda  
 7/22/2019 10:42:57 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.849 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.1  | 17.0  | 51.0  |
| 148     | 60.8  | 32.0  | 96.2  |





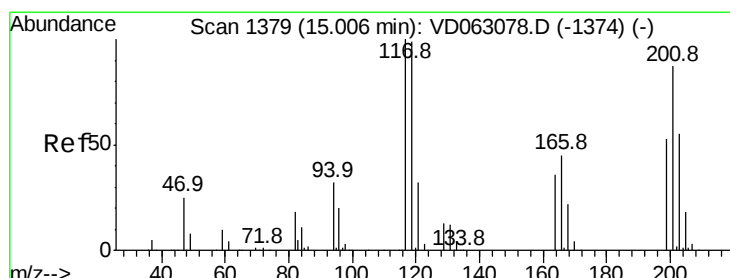
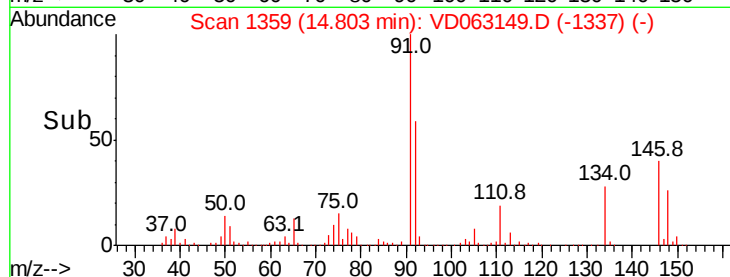
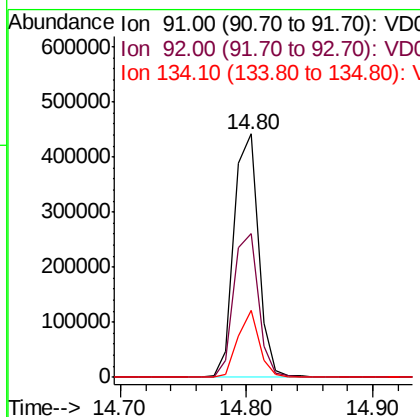
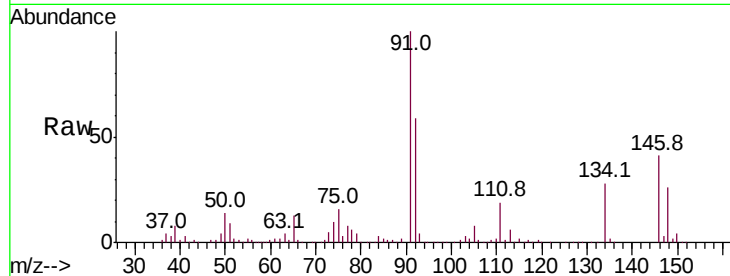
#89  
n-Butylbenzene  
Concen: 17.173 ug/l  
RT: 14.80 min Scan# 1359  
Delta R.T. 0.01 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 59.3  | 29.4  | 88.3  |
| 134     | 27.6  | 11.3  | 33.8  |

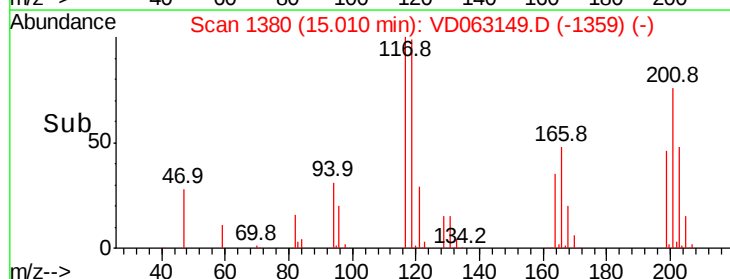
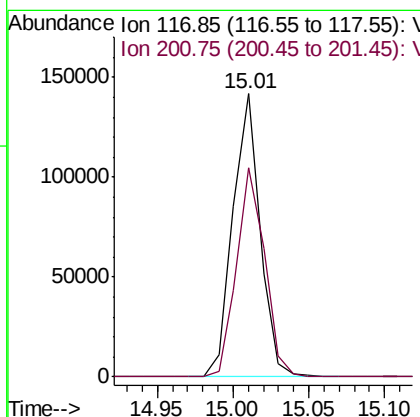
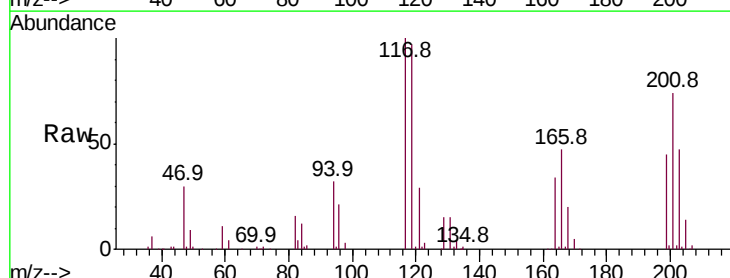
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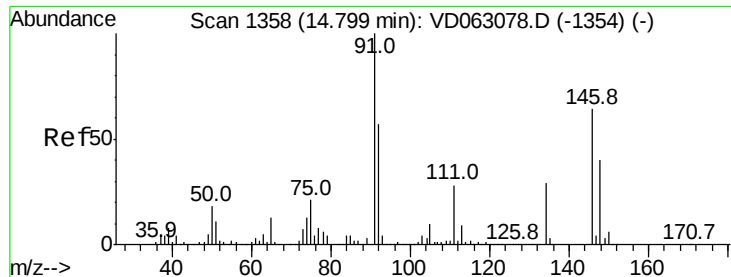
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#90  
Hexachloroethane  
Concen: 17.780 ug/l  
RT: 15.01 min Scan# 1380  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 74.1  | 43.4  | 130.1 |





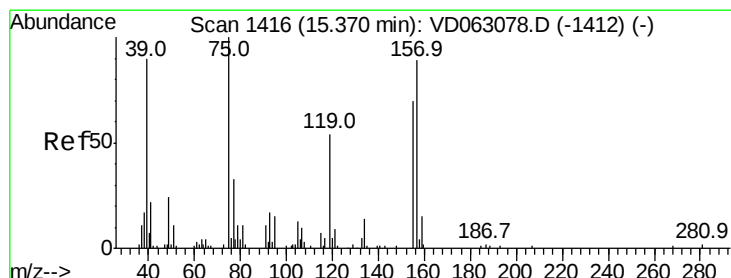
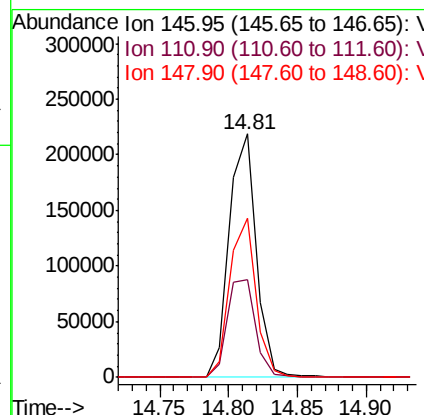
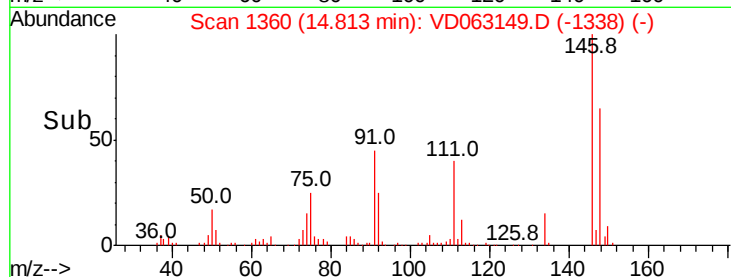
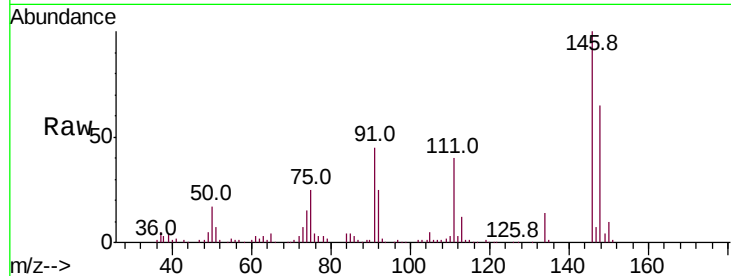
#91  
 1,2-Dichlorobenzene  
 Concen: 17.477 ug/l  
 RT: 14.81 min Scan# 1360  
 Delta R.T. 0.01 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.1  | 21.9  | 65.5  |
| 148     | 65.1  | 31.5  | 94.5  |

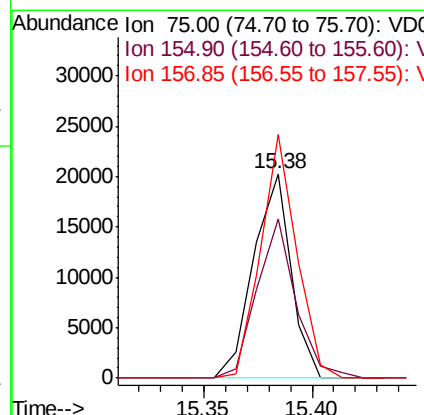
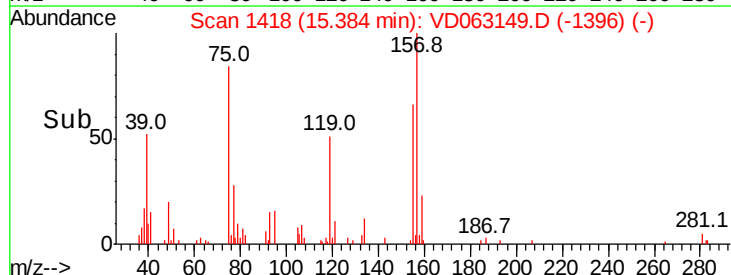
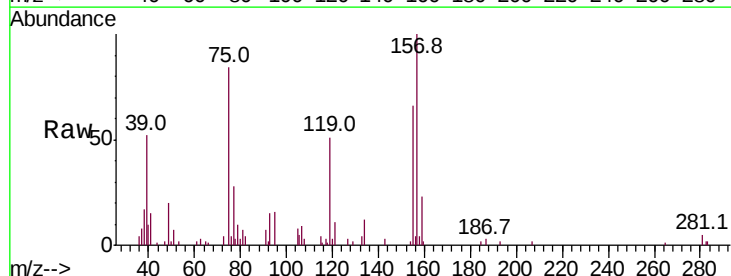
Manual Integrations  
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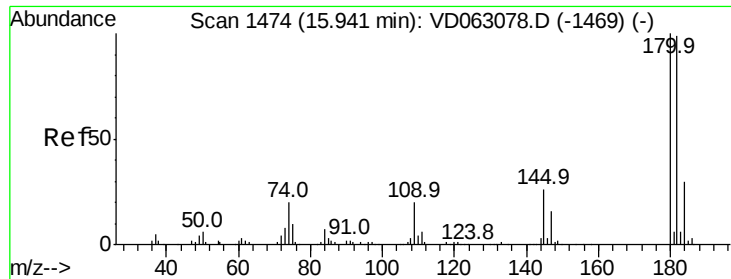
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.545 ug/l  
 RT: 15.38 min Scan# 1418  
 Delta R.T. 0.01 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 78.2  | 34.8  | 104.3 |
| 157     | 119.3 | 44.7  | 134.1 |





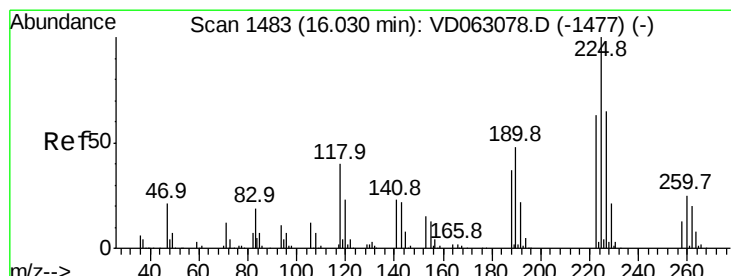
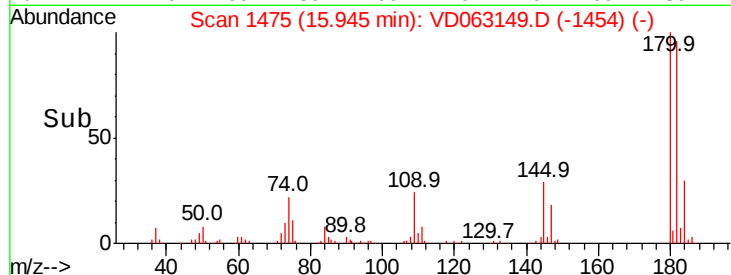
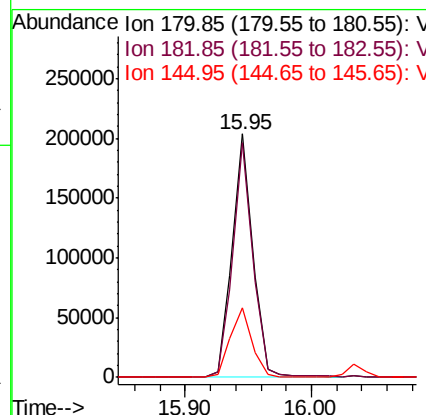
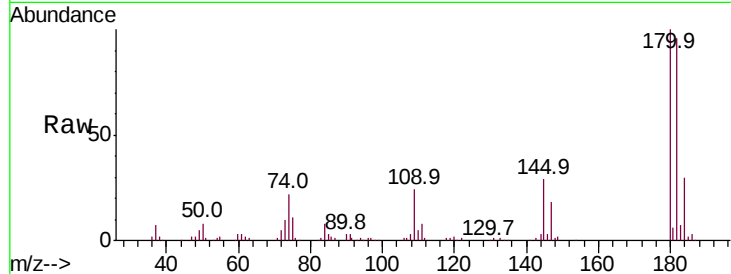
#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.957 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0719SBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.4  | 49.5 | 148.3 |       |
| 145     | 28.6  | 12.8 | 38.4  |       |

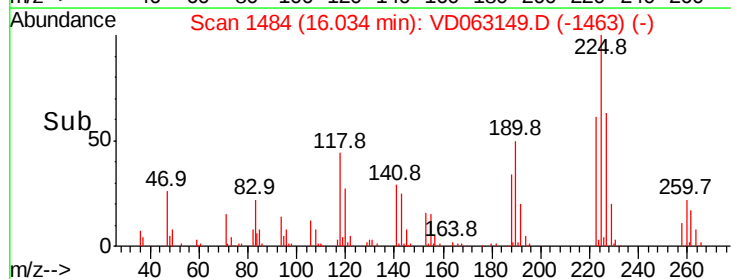
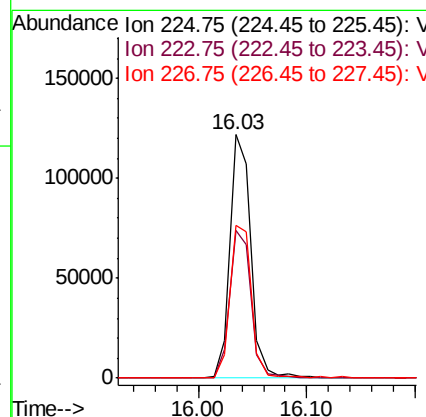
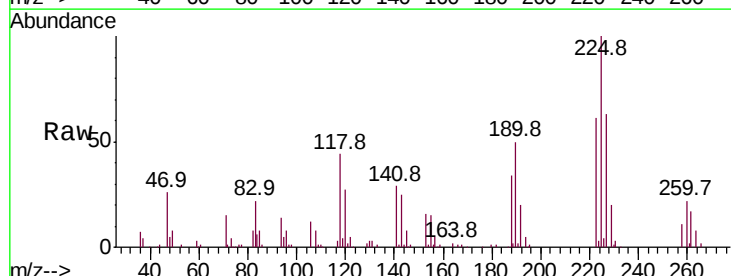
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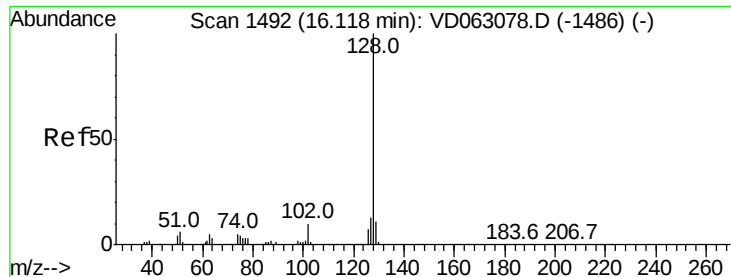
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 7/22/2019 10:42:57 AM



#94  
 Hexachlorobutadiene  
 Concen: 17.243 ug/l  
 RT: 16.03 min Scan# 1484  
 Delta R.T. 0.00 min  
 Lab File: VD063149.D  
 Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 60.6  | 31.4 | 94.2  |       |
| 227     | 62.6  | 32.6 | 97.8  |       |





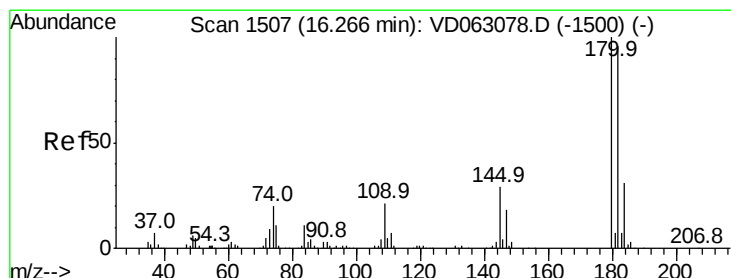
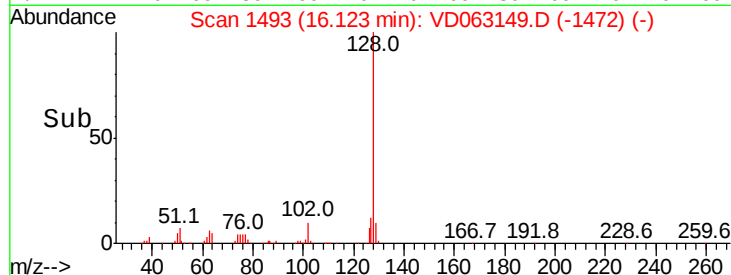
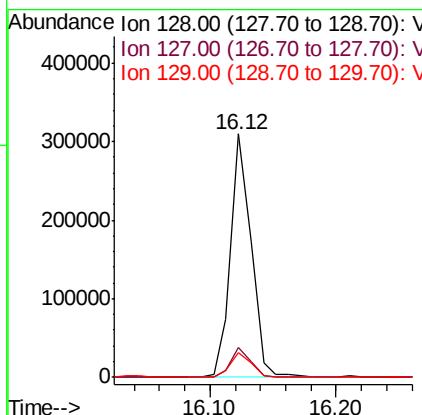
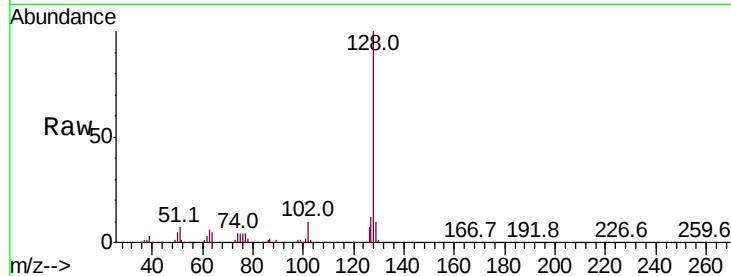
#95  
Naphthalene  
Concen: 18.523 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0719SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.2  | 10.7  | 16.1  |
| 129     | 10.2  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 16.225 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VD063149.D  
Acq: 19 Jul 2019 13:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 47.9  | 143.6 |
| 145     | 29.1  | 14.4  | 43.4  |

