

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121418\  
 Data File : VD060567.D  
 Acq On : 14 Dec 2018 12:00  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 12/15/2018 3:25:03 PM

Quant Time: Dec 14 22:28:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.39  | 168  | 1576248  | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 7.43  | 114  | 2186529  | 50.00 | ug/l  | -0.03    |
| 63) Chlorobenzene-d5       | 11.26 | 117  | 1751420  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 864853   | 50.00 | ug/l  | -0.02    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.77   | 65  | 569742   | 51.00 | ug/l    | -0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.00% |       |
| 35) Dibromofluoromethane  | 6.31   | 113 | 843099   | 52.50 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.00% |       |
| 50) Toluene-d8            | 9.43   | 98  | 2417715  | 52.02 | ug/l    | -0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.04% |       |
| 62) 4-Bromofluorobenzene  | 12.42  | 95  | 878431   | 52.82 | ug/l    | -0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.64% |       |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.60 | 85  | 729028  | 48.429  | ug/l | 99     |
| 3) Chloromethane              | 1.77 | 50  | 735355  | 45.406  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.87 | 62  | 622950  | 48.196  | ug/l | 100    |
| 5) Bromomethane               | 2.16 | 94  | 162312  | 50.197  | ug/l | 94     |
| 6) Chloroethane               | 2.27 | 64  | 207028  | 49.325  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 2.52 | 101 | 733004  | 49.115  | ug/l | 99     |
| 8) Diethyl Ether              | 2.83 | 74  | 135639  | 52.618  | ug/l | 85     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.10 | 101 | 491987  | 50.807  | ug/l | 98     |
| 10) Methyl Iodide             | 3.24 | 142 | 578113  | 51.074  | ug/l | 99     |
| 11) Tert butyl alcohol        | 3.96 | 59  | 114465  | 252.180 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 3.08 | 96  | 396980  | 50.387  | ug/l | 94     |
| 13) Acrolein                  | 2.98 | 56  | 146695  | 295.774 | ug/l | 88     |
| 14) Allyl chloride            | 3.53 | 41  | 768444  | 51.408  | ug/l | 99     |
| 15) Acrylonitrile             | 4.08 | 53  | 665979  | 258.403 | ug/l | 98     |
| 16) Acetone                   | 3.16 | 43  | 470979  | 262.993 | ug/l | 99     |
| 17) Carbon Disulfide          | 3.31 | 76  | 1266477 | 49.488  | ug/l | 100    |
| 18) Methyl Acetate            | 3.55 | 43  | 196319  | 46.125  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.12 | 73  | 1145542 | 52.431  | ug/l | 100    |
| 20) Methylene Chloride        | 3.72 | 84  | 827051  | 50.326  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.09 | 96  | 867910  | 50.643  | ug/l | 97     |
| 22) Diisopropyl ether         | 4.85 | 45  | 2765469 | 51.528  | ug/l | 99     |
| 23) Vinyl Acetate             | 4.80 | 43  | 7025394 | 264.204 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 4.75 | 63  | 1467898 | 52.648  | ug/l | 100    |
| 25) 2-Butanone                | 5.61 | 43  | 964248  | 273.676 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 5.58 | 77  | 1132913 | 52.599  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 5.58 | 96  | 908947  | 52.163  | ug/l | 97     |
| 28) Bromochloromethane        | 5.91 | 49  | 616498  | 49.914  | ug/l | 99     |
| 29) Tetrahydrofuran           | 5.94 | 42  | 515499  | 258.373 | ug/l | 100    |
| 30) Chloroform                | 6.09 | 83  | 1460249 | 51.986  | ug/l | 98     |
| 31) Cyclohexane               | 6.35 | 56  | 1310777 | 55.391  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane     | 6.28 | 97  | 1204323 | 52.153  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 6.51 | 75  | 1115552 | 52.195  | ug/l | 99     |
| 37) Ethyl Acetate             | 5.68 | 43  | 477430  | 51.508  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 6.48 | 117 | 1007177 | 52.491  | ug/l | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121418\  
 Data File : VD060567.D  
 Acq On : 14 Dec 2018 12:00  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

apatel  
 12/15/2018 3:25:03 PM

Quant Time: Dec 14 22:28:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.02  | 83   | 1245439  | 51.116   | ug/l   | 100      |
| 40) Benzene                    | 6.78  | 78   | 2911346  | 53.299   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.91  | 41   | 283647m  | 56.767   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 6.88  | 62   | 729702   | 52.541   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.33  | 43   | 611417   | 53.436   | ug/l   | 95       |
| 44) Trichloroethene            | 7.72  | 130  | 865886   | 53.044   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 8.09  | 63   | 715602   | 52.970   | ug/l   | 99       |
| 46) Dibromomethane             | 8.19  | 93   | 417501   | 53.489   | ug/l   | 94       |
| 47) Bromodichloromethane       | 8.47  | 83   | 1004994  | 54.265   | ug/l   | 99       |
| 48) Methyl methacrylate        | 8.22  | 41   | 369279   | 54.545   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.21  | 88   | 69462    | 1132.036 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 9.33  | 43   | 1970468  | 276.850  | ug/l   | 100      |
| 52) Toluene                    | 9.53  | 92   | 1788142  | 52.376   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.90  | 75   | 842810   | 55.383   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.08  | 75   | 1106618  | 55.347   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.16 | 97   | 496155   | 52.186   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.01 | 69   | 465459   | 54.095   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.37 | 76   | 787092   | 53.554   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.90  | 63   | 1338365  | 259.955  | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.47 | 43   | 1421060  | 285.645  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.63 | 129  | 661001   | 55.607   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.74 | 107  | 528808   | 54.578   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.23 | 164  | 805593   | 51.945   | ug/l   | 98       |
| 65) Chlorobenzene              | 11.30 | 112  | 1931199  | 52.121   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.40 | 131  | 650059   | 54.432   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.41 | 91   | 3285721  | 51.989   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.55 | 106  | 2429692  | 103.916  | ug/l   | 100      |
| 69) o-Xylene                   | 11.92 | 106  | 1166139  | 52.334   | ug/l   | 98       |
| 70) Styrene                    | 11.94 | 104  | 1916651  | 53.589   | ug/l   | 100      |
| 71) Bromoform                  | 12.10 | 173  | 431677   | 54.179   | ug/l   | 98       |
| 73) Isopropylbenzene           | 12.27 | 105  | 3278804  | 53.575   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.12 | 43   | 806348   | 54.516   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.55 | 83   | 526494   | 53.737   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.58 | 75   | 534646   | 54.560   | ug/l   | 99       |
| 77) Bromobenzene               | 12.52 | 156  | 870160   | 54.092   | ug/l   | 94       |
| 78) n-propylbenzene            | 12.62 | 91   | 4011427  | 51.852   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.69 | 91   | 2211572  | 52.682   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 12.78 | 105  | 2461825  | 52.643   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.33 | 75   | 155643   | 56.948   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.80 | 91   | 2467244  | 52.328   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.04 | 119  | 2810003  | 53.592   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 2519117  | 52.025   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.21 | 105  | 3357623  | 51.378   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.33 | 119  | 2605184  | 50.288   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.30 | 146  | 1507003  | 51.740   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 1506920  | 52.738   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.64 | 91   | 2816763  | 56.319   | ug/l   | 99       |
| 90) Hexachloroethane           | 13.84 | 117  | 710611   | 54.709   | ug/l   | 83       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1234849  | 51.878   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 64540    | 54.365   | ug/l   | 73       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD121418\  
Data File : VD060567.D  
Acq On : 14 Dec 2018 12:00  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

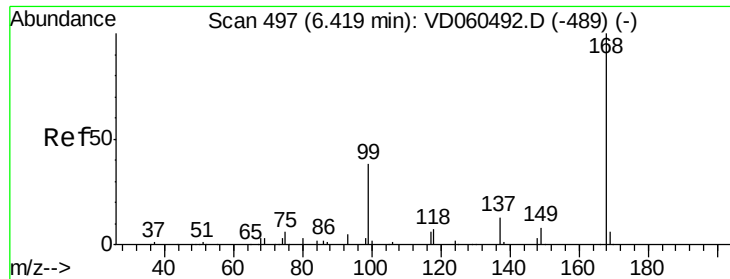
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12/15/2018 3:25:03 PM

Quant Time: Dec 14 22:28:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180  | 998234   | 53.647 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.87 | 225  | 742838   | 54.108 | ug/l  | 99       |
| 95) Naphthalene            | 14.96 | 128  | 1215414  | 54.906 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.10 | 180  | 809736   | 54.614 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1576248

Ion Ratio Lower Upper

168 100

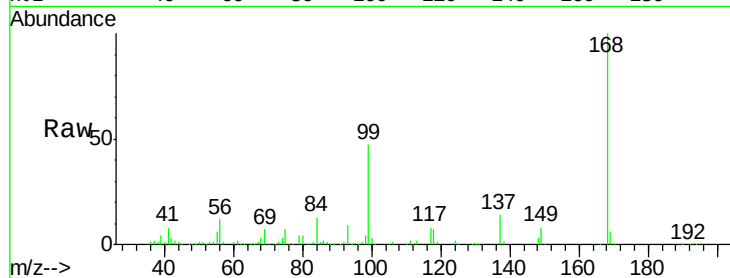
99 46.7 35.6 53.4

Manual Integrations

APPROVED

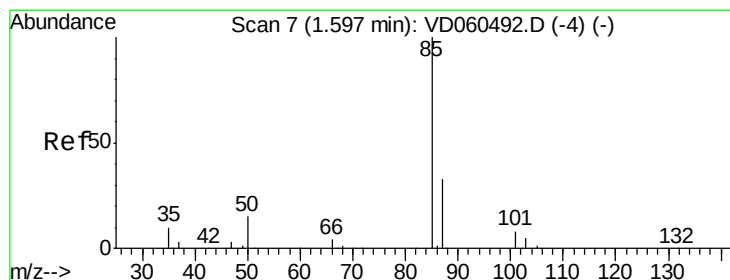
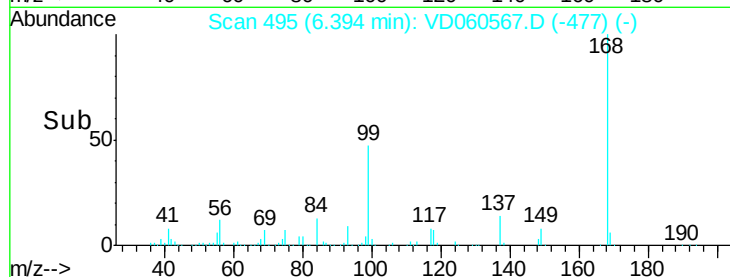
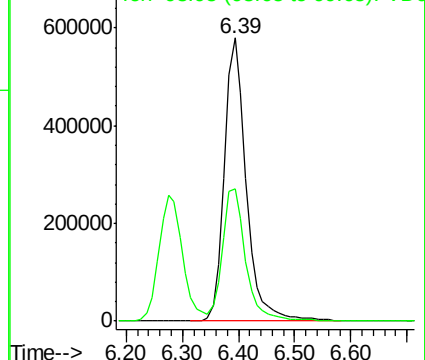
apatel

12/15/2018 3:25:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.429 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060567.D

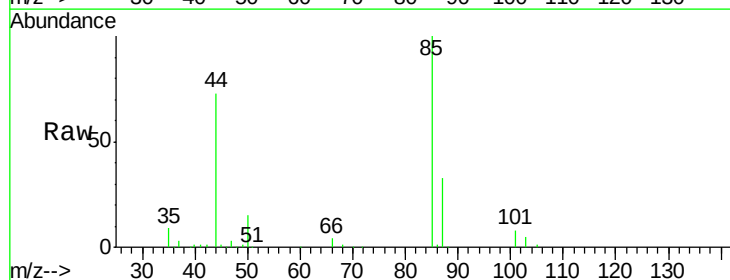
Acq: 14 Dec 2018 12:00

Tgt Ion: 85 Resp: 729028

Ion Ratio Lower Upper

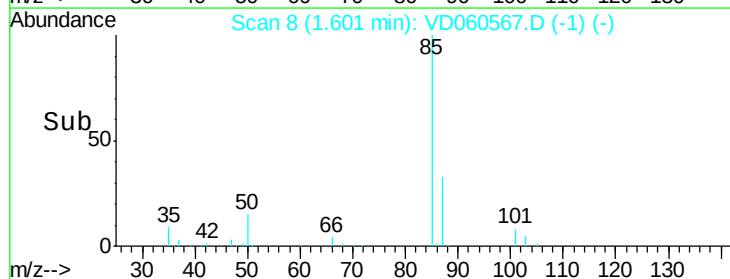
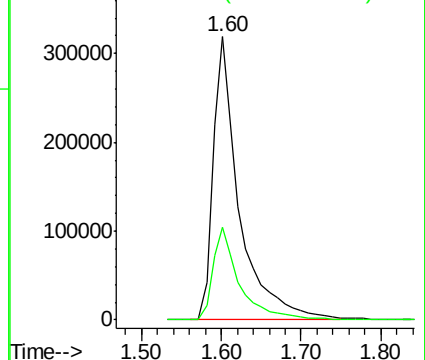
85 100

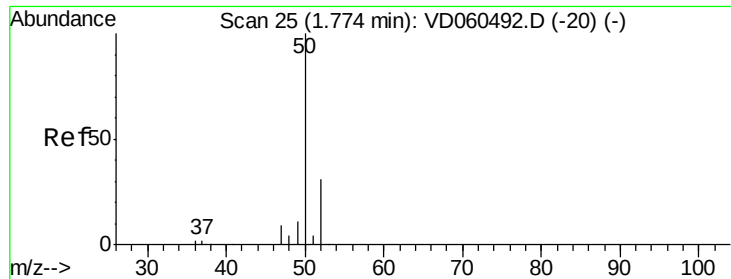
87 32.6 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.406 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 735355

Ion Ratio Lower Upper

50 100

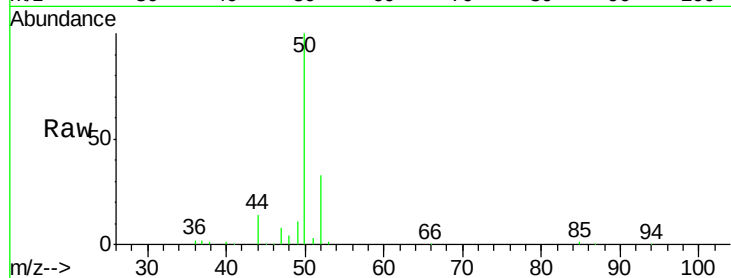
52 32.7 25.0 37.4

Manual Integrations

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apatel

12/15/2018 3:25:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

250000

200000

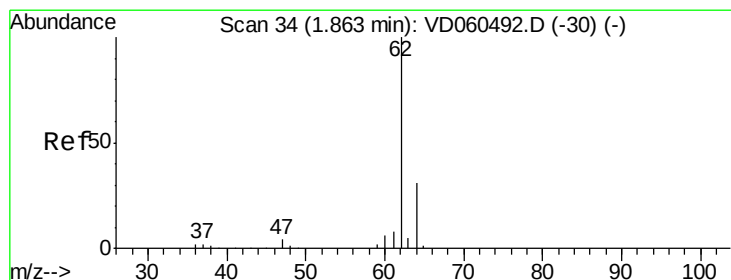
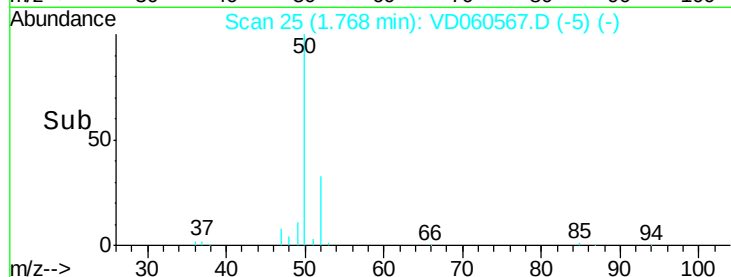
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.196 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060567.D

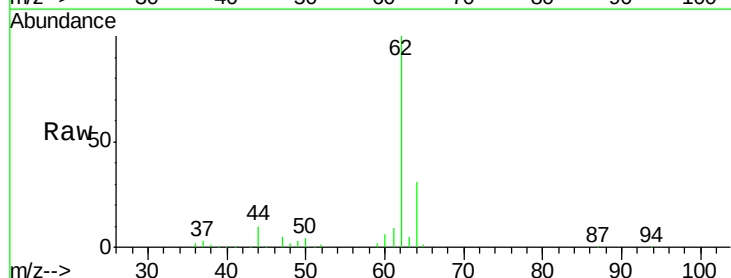
Acq: 14 Dec 2018 12:00

Tgt Ion: 62 Resp: 622950

Ion Ratio Lower Upper

62 100

64 30.9 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.87

300000

250000

200000

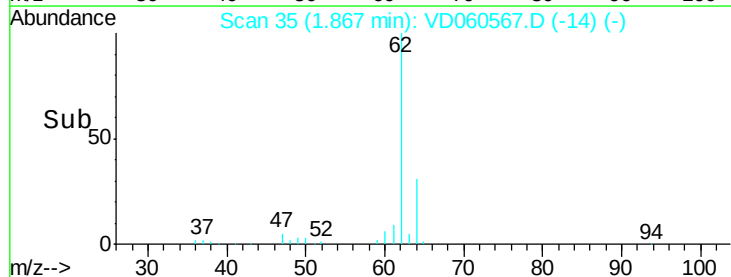
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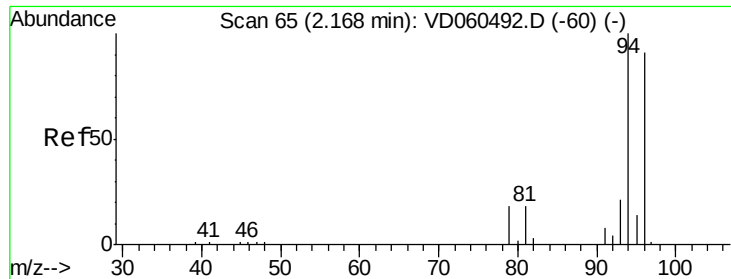
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.197 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 162312

Ion Ratio Lower Upper

94 100

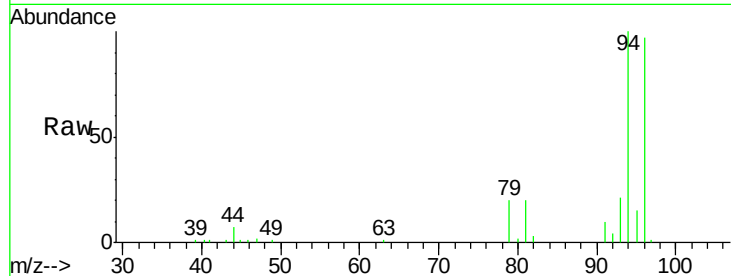
96 96.7 72.6 108.8

Manual Integrations

APPROVED

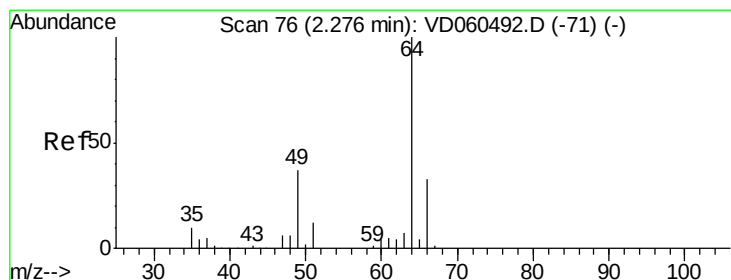
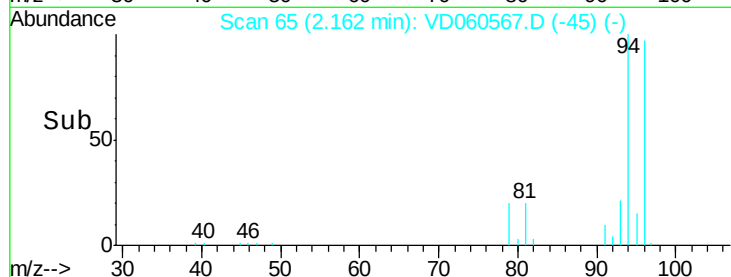
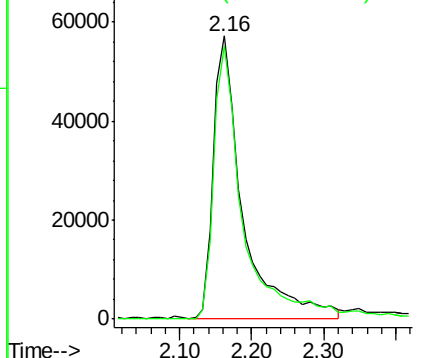
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.325 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060567.D

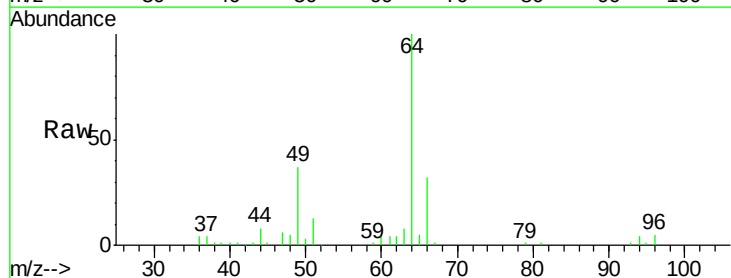
Acq: 14 Dec 2018 12:00

Tgt Ion: 64 Resp: 207028

Ion Ratio Lower Upper

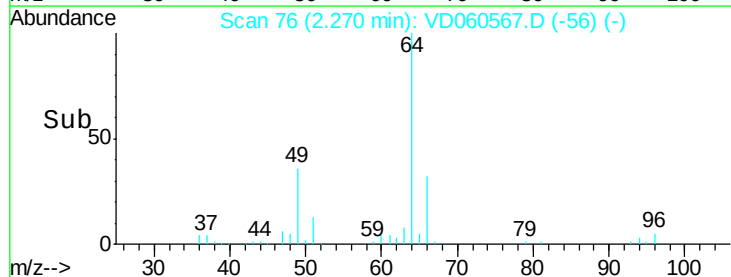
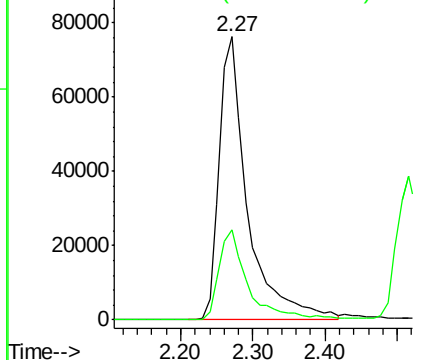
64 100

66 32.0 26.4 39.6

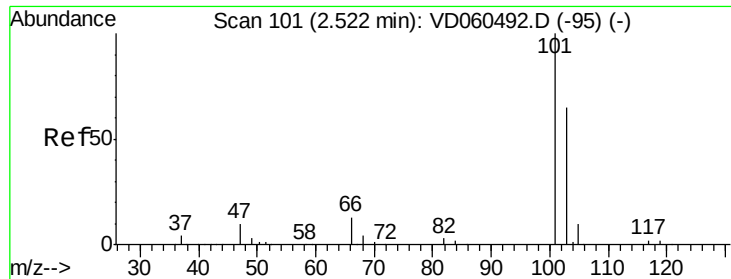


Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC







#7

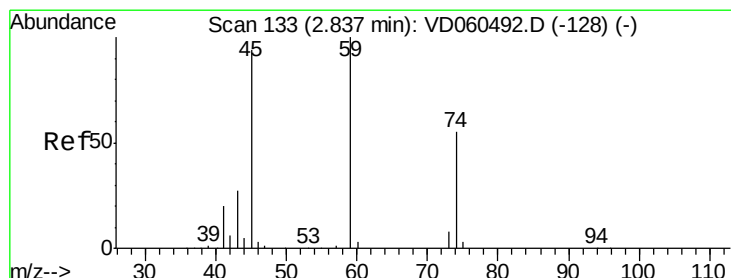
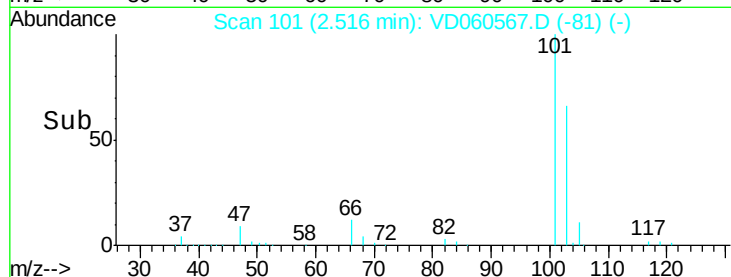
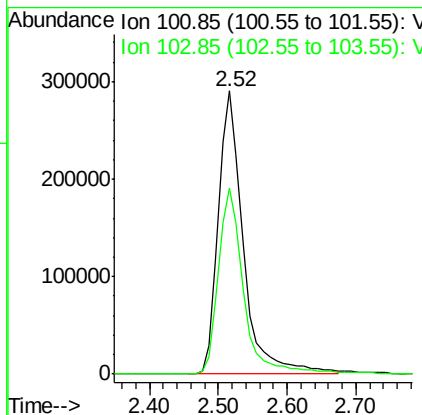
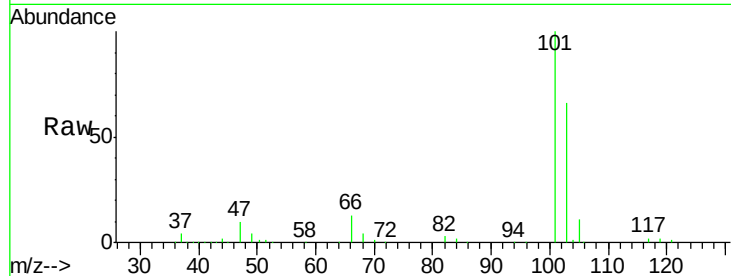
Trichlorofluoromethane  
Concen: 49.115 ug/l  
RT: 2.52 min Scan# 101  
Delta R.T. -0.01 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 101 Resp: 733004  
Ion Ratio Lower Upper  
101 100  
103 65.6 51.8 77.8

Manual Integrations  
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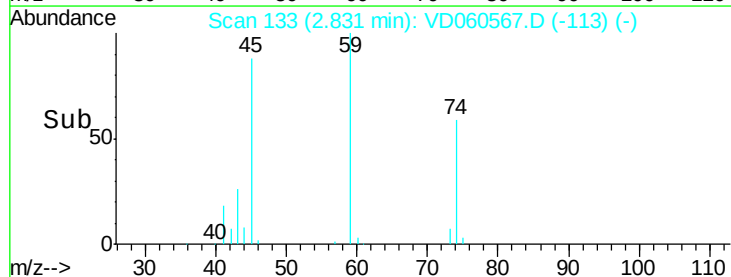
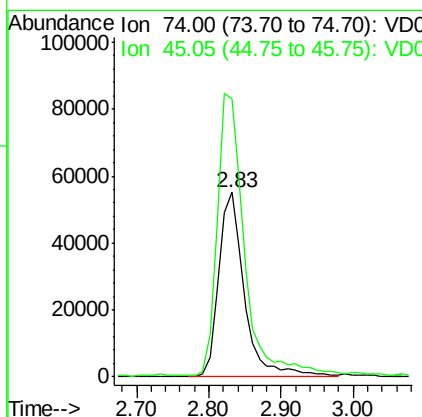
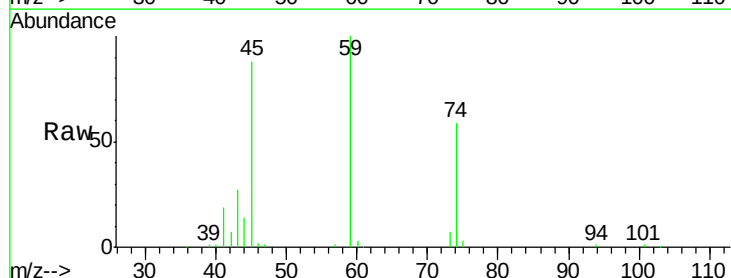
apatel  
12/15/2018 3:25:03 PM



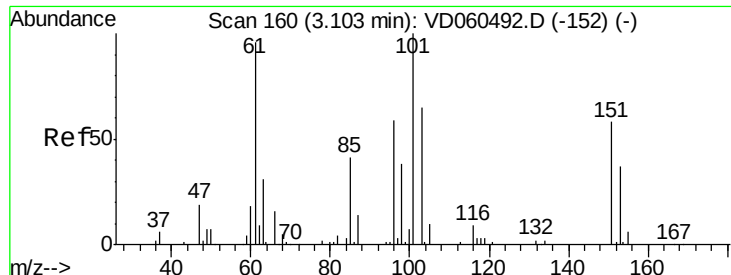
#8

Diethyl Ether  
Concen: 52.618 ug/l  
RT: 2.83 min Scan# 133  
Delta R.T. -0.01 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 74 Resp: 135639  
Ion Ratio Lower Upper  
74 100  
45 150.6 86.0 258.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.807 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

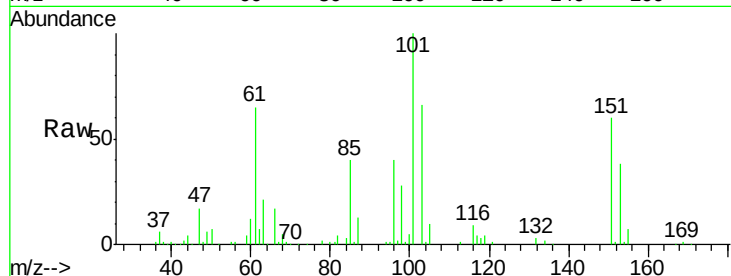
ClientSampleId :

VSTDCCC050

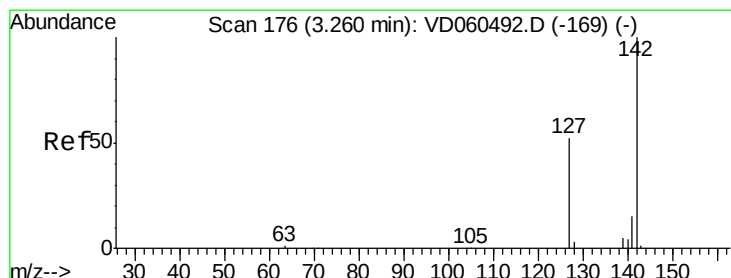
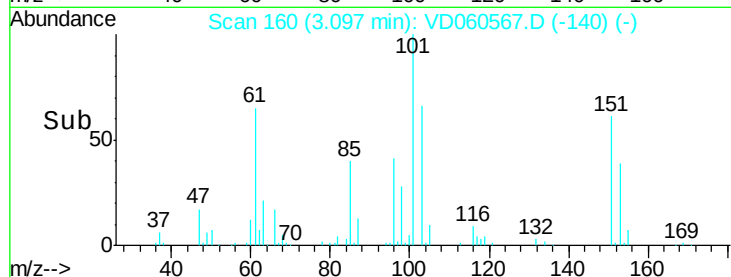
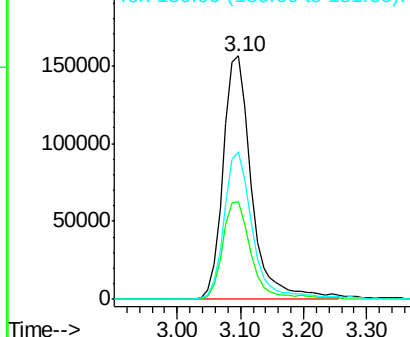
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 491987 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 40.2  | 32.7  | 49.1   |
| 151       | 60.5  | 46.6  | 69.8   |

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



#10

Methyl Iodide

Concen: 51.074 ug/l

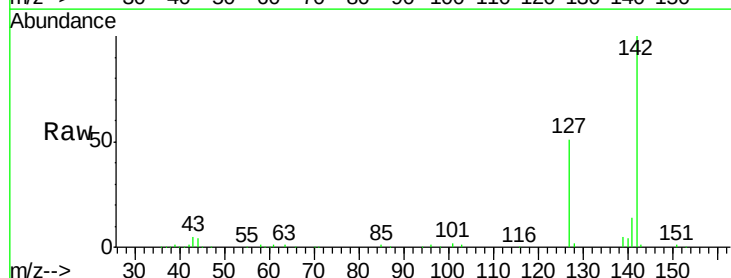
RT: 3.24 min Scan# 175

Delta R.T. -0.02 min

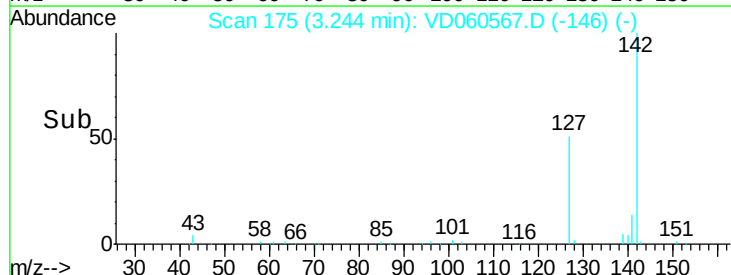
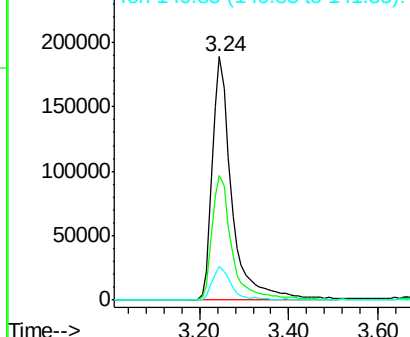
Lab File: VD060567.D

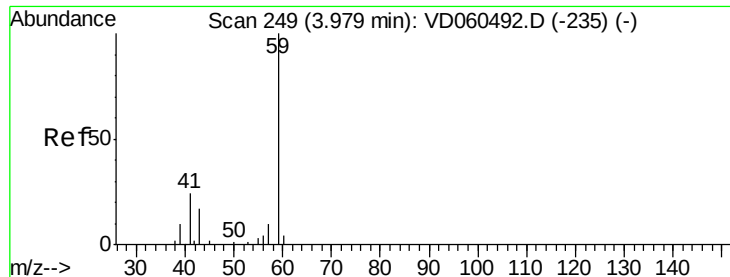
Acq: 14 Dec 2018 12:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 578113 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 50.9  | 41.2  | 61.8   |
| 141       | 14.1  | 11.9  | 17.9   |



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

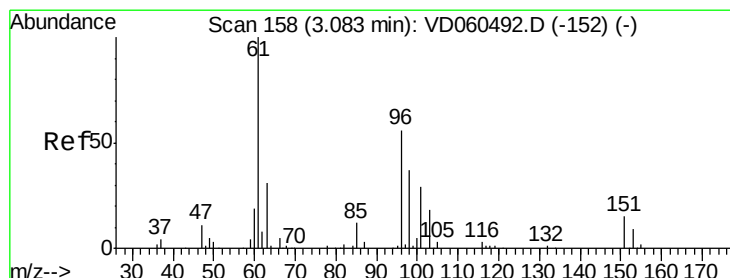
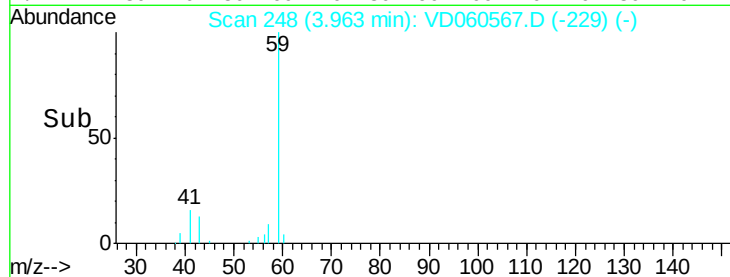
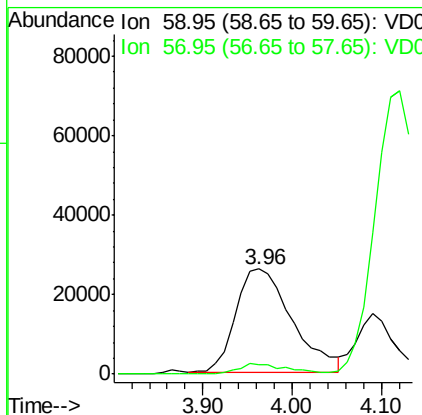
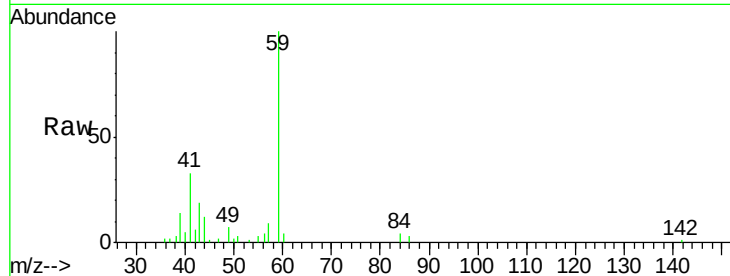
Tert butyl alcohol  
Concen: 252.180 ug/l  
RT: 3.96 min Scan# 248  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 8.6   | 8.1   | 12.1  |

Manual Integrations  
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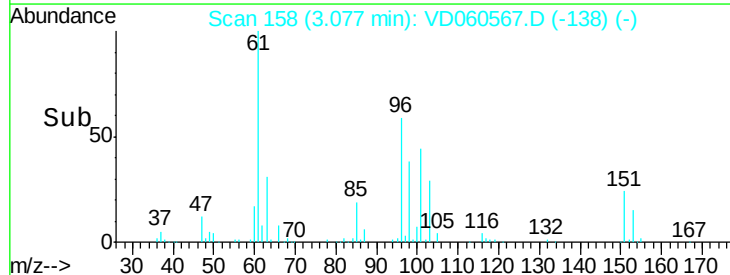
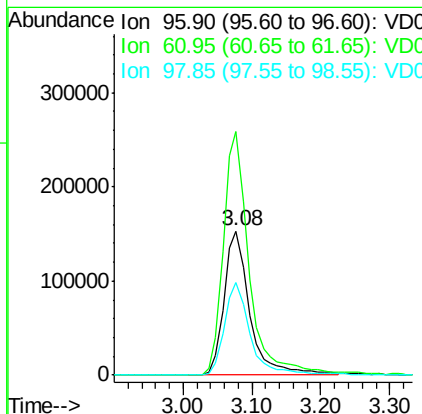
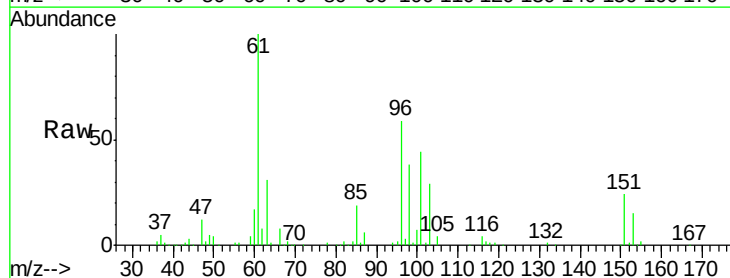
apatel  
12/15/2018 3:25:03 PM

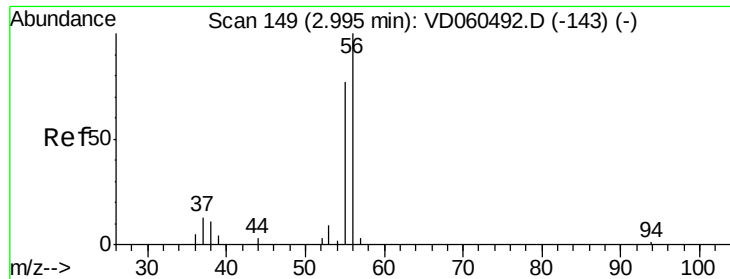


#12

1,1-Dichloroethene  
Concen: 50.387 ug/l  
RT: 3.08 min Scan# 158  
Delta R.T. -0.01 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 169.0 | 143.0 | 214.4 |
| 98      | 64.2  | 53.4  | 80.0  |





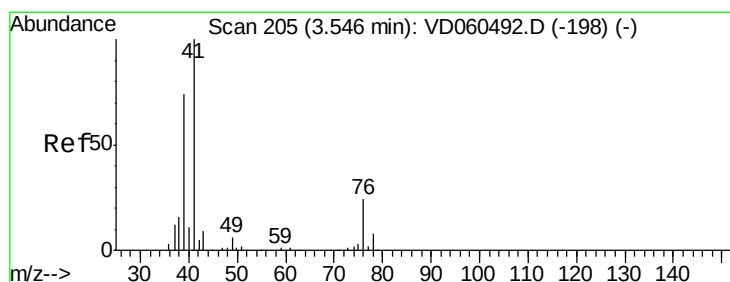
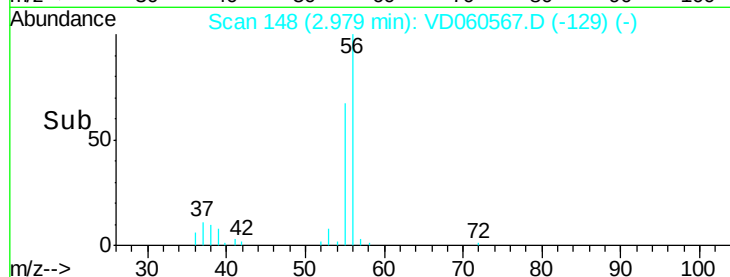
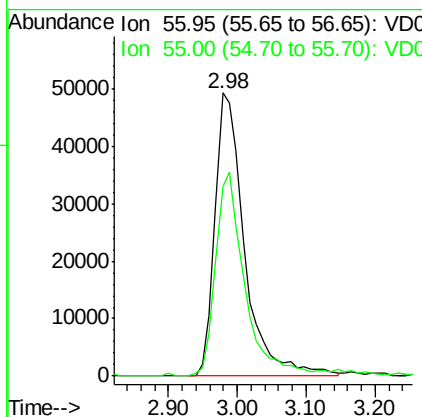
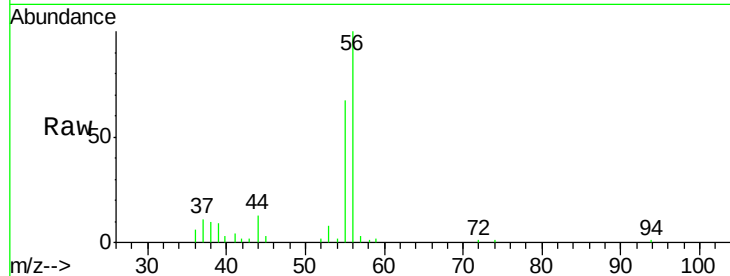
#13  
Acrolein  
Concen: 295.774 ug/l  
RT: 2.98 min Scan# 148  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 67.1  | 62.0  | 93.0  |

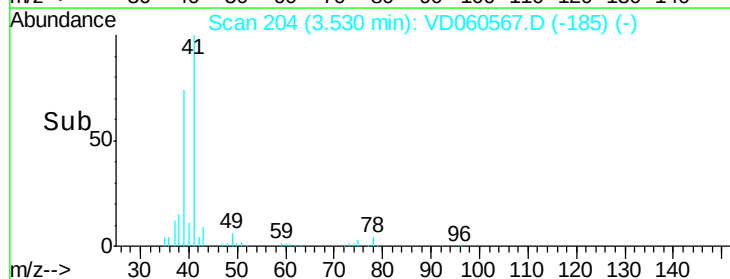
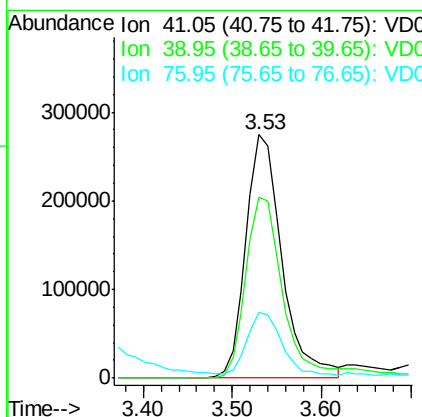
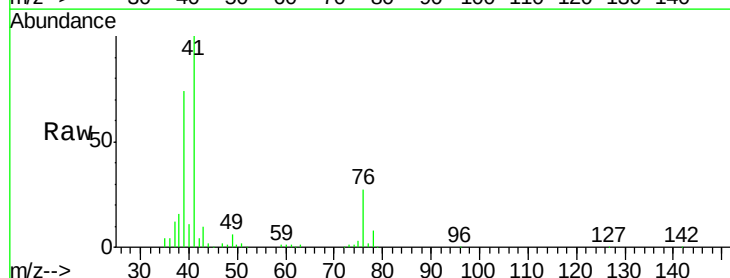
Manual Integrations  
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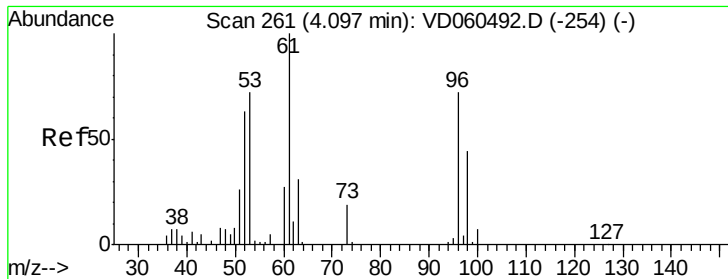
apatel  
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#14  
Allyl chloride  
Concen: 51.408 ug/l  
RT: 3.53 min Scan# 204  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 74.4  | 59.3  | 88.9  |
| 76      | 27.0  | 21.0  | 31.6  |





#15

Acrylonitrile

Concen: 258.403 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

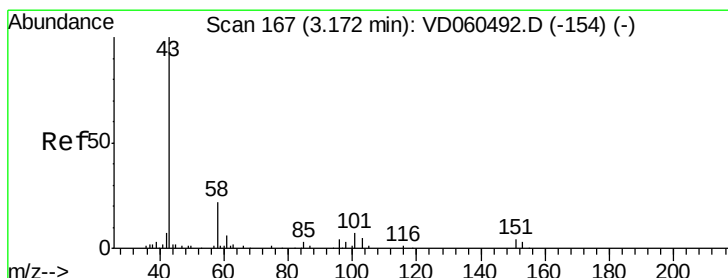
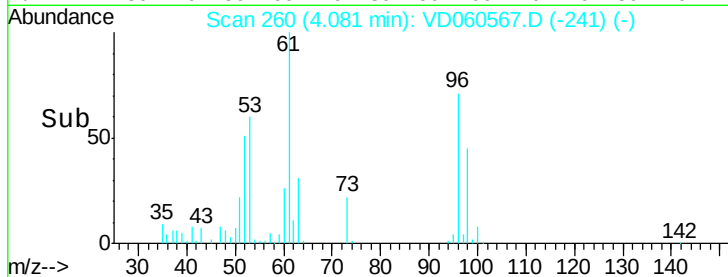
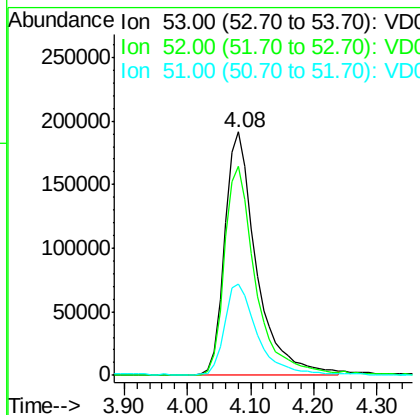
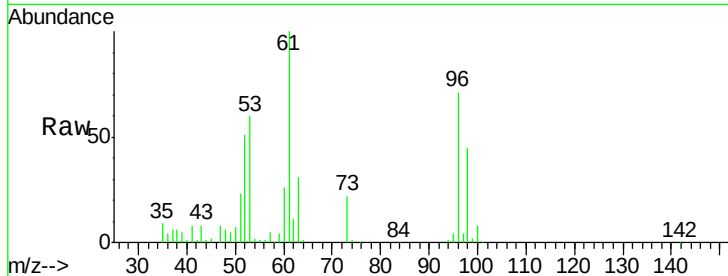
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 665979 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 85.9  | 70.0  | 105.0  |
| 51       | 37.7  | 28.8  | 43.2   |

Manual Integrations  
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#16

Acetone

Concen: 262.993 ug/l

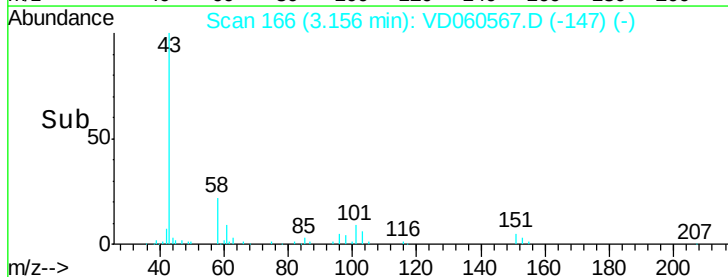
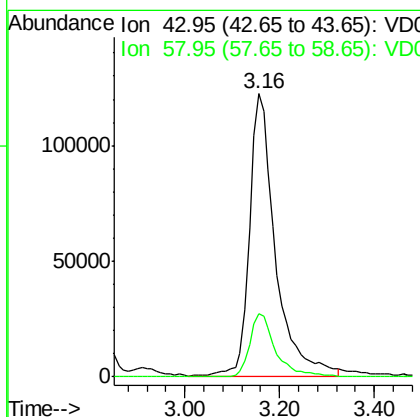
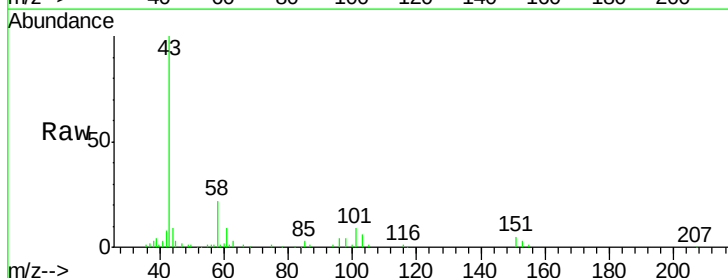
RT: 3.16 min Scan# 166

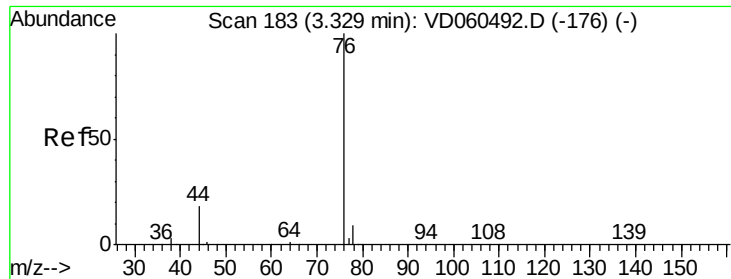
Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 470979 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 22.2  | 17.3  | 25.9   |





#17

Carbon Disulfide

Concen: 49.488 ug/l

RT: 3.31 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1266477

Ion Ratio Lower Upper

76 100

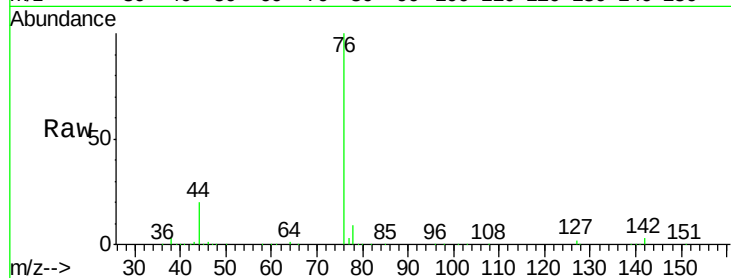
78 8.9 7.0 10.6

Manual Integrations

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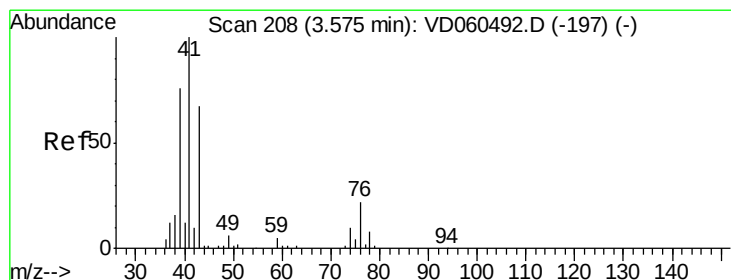
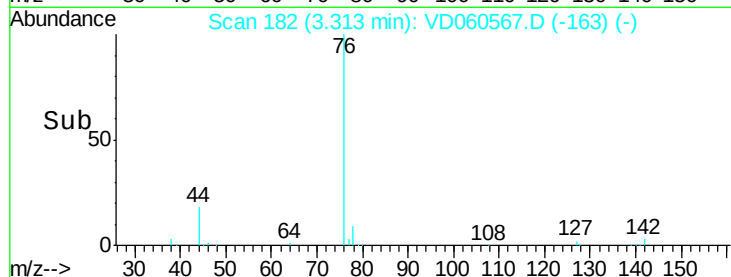
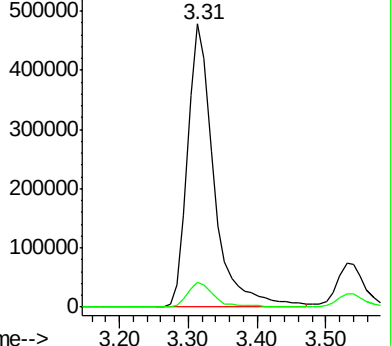
apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 46.125 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.03 min

Lab File: VD060567.D

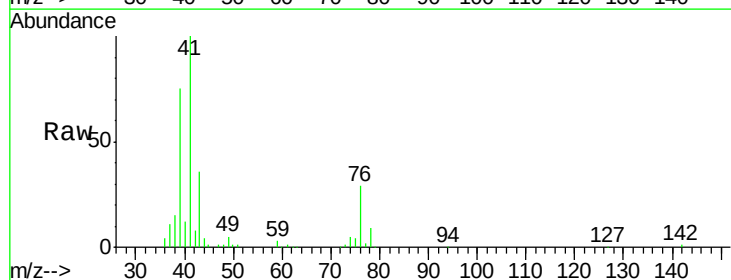
Acq: 14 Dec 2018 12:00

Tgt Ion: 43 Resp: 196319

Ion Ratio Lower Upper

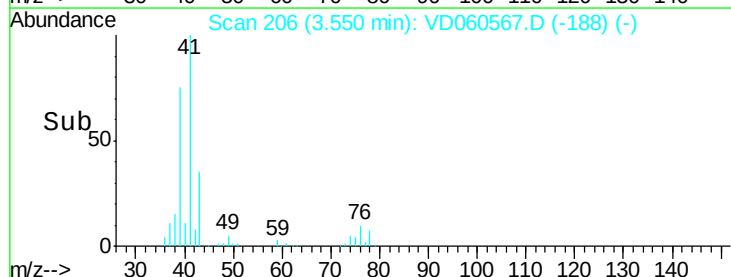
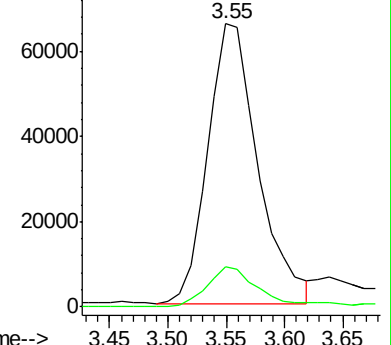
43 100

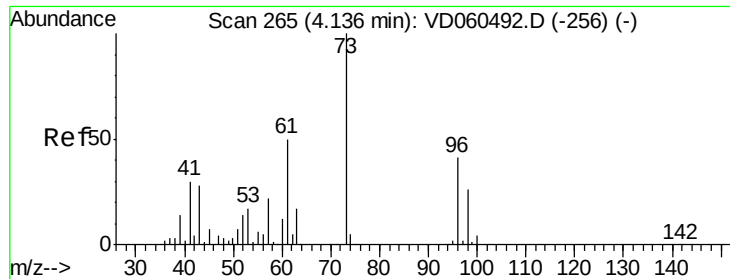
74 14.3 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





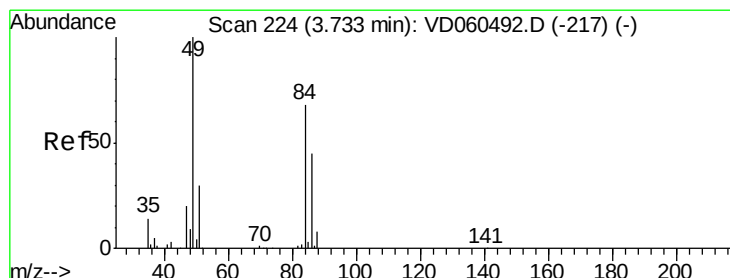
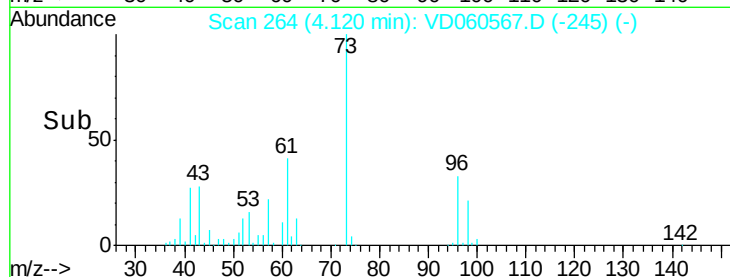
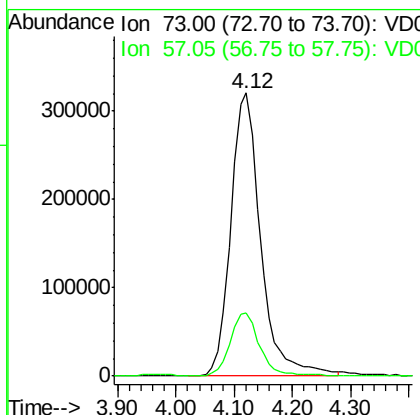
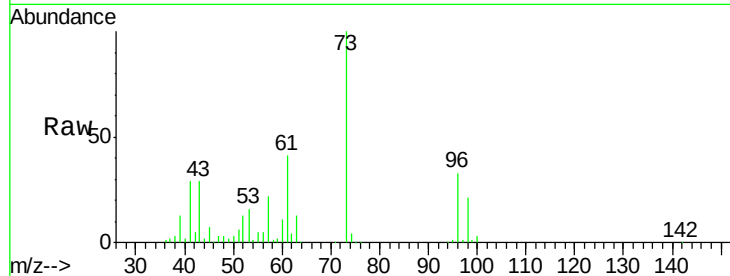
#19  
Methyl tert-butyl Ether  
Concen: 52.431 ug/l  
RT: 4.12 min Scan# 264  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 73 Resp: 1145542  
Ion Ratio Lower Upper  
73 100  
57 22.2 17.8 26.6

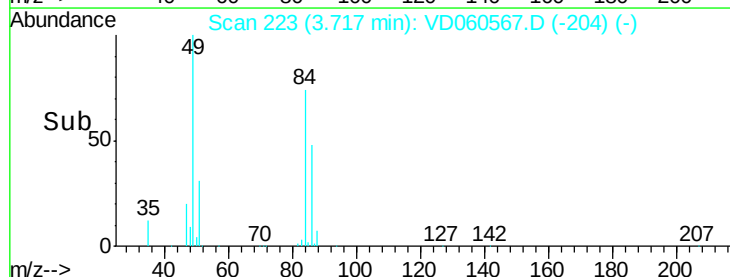
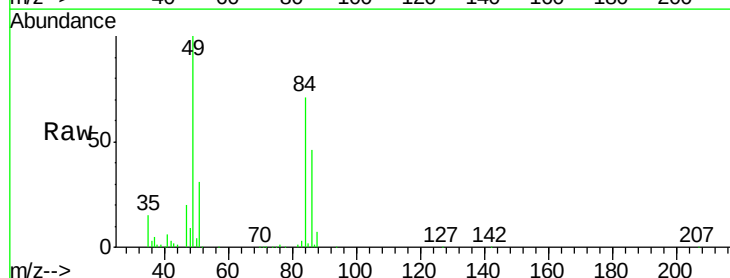
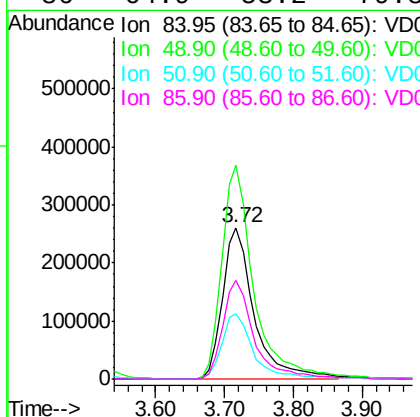
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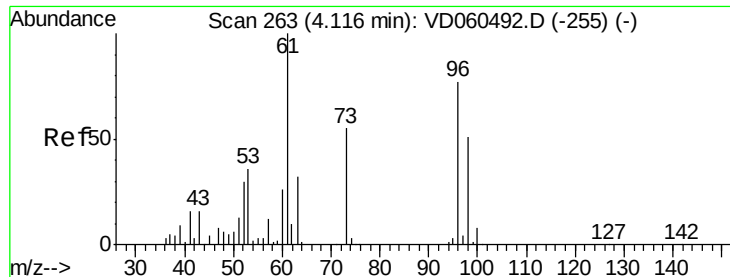
apatel  
12/15/2018 3:25:03 PM



#20  
Methylene Chloride  
Concen: 50.326 ug/l  
RT: 3.72 min Scan# 223  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 84 Resp: 827051  
Ion Ratio Lower Upper  
84 100  
49 141.2 117.2 175.8  
51 43.6 35.3 52.9  
86 64.9 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.643 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 867910  
Ion Ratio Lower Upper

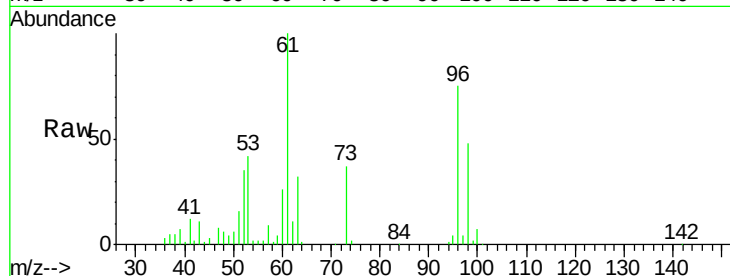
96 100

61 132.9 104.2 156.4

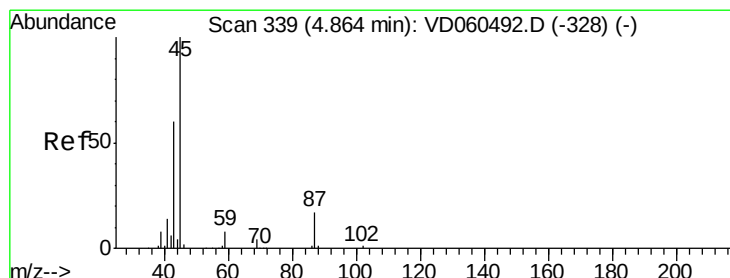
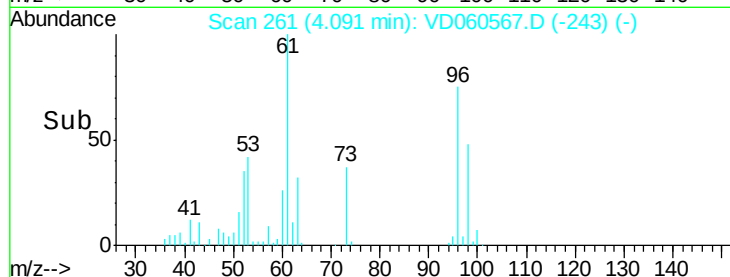
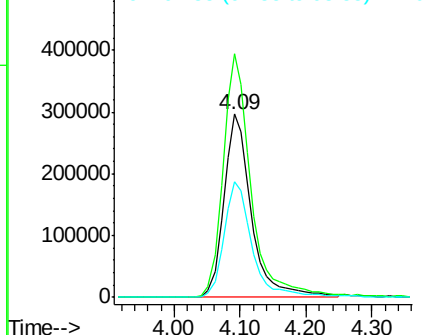
98 63.4 52.8 79.2

Manual Integrations  
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apatel  
12/15/2018 3:25:03 PM



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



#22

Diisopropyl ether

Concen: 51.528 ug/l

RT: 4.85 min Scan# 338

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Tgt Ion: 45 Resp: 2765469  
Ion Ratio Lower Upper

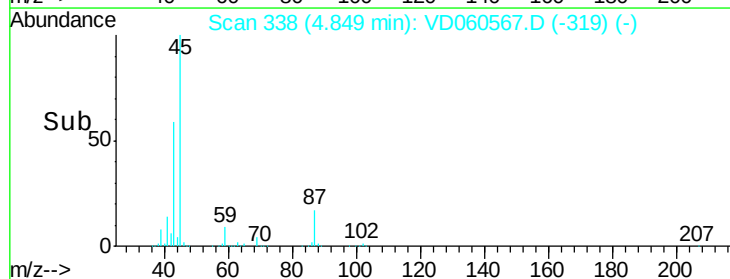
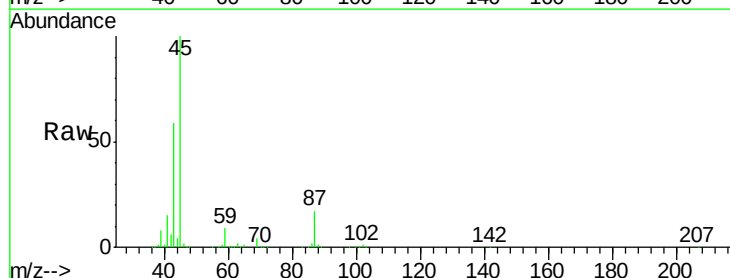
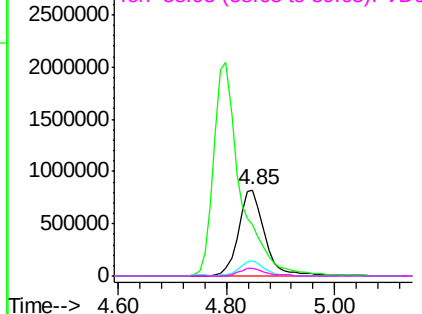
45 100

43 59.5 48.6 73.0

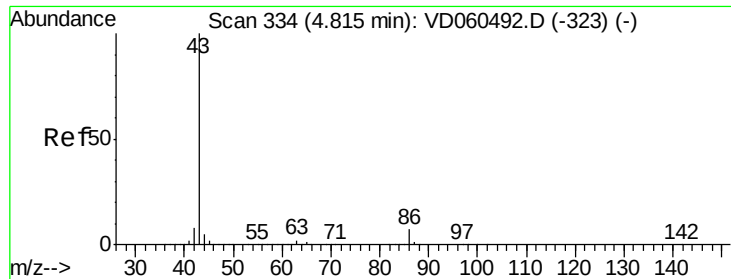
87 17.4 14.0 21.0

59 9.1 6.9 10.3

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







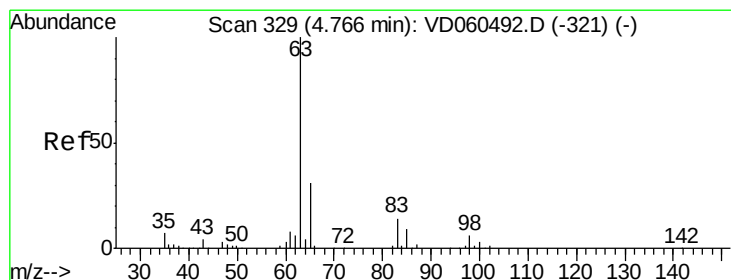
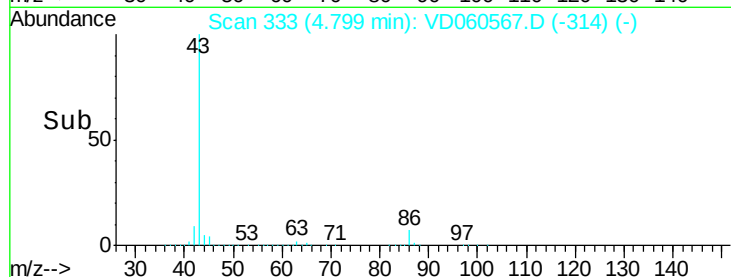
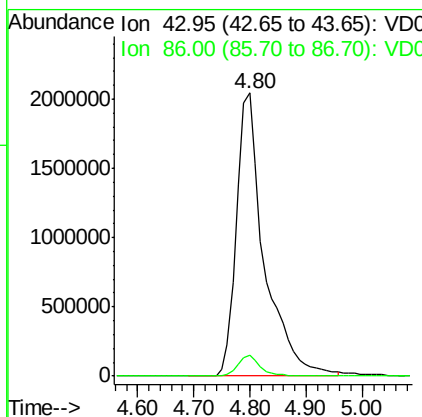
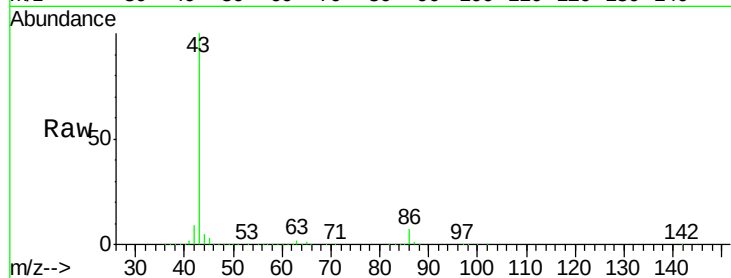
#23  
 Vinyl Acetate  
 Concen: 264.204 ug/l  
 RT: 4.80 min Scan# 333  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 43 Resp: 7025394  
 Ion Ratio Lower Upper  
 43 100  
 86 7.2 5.5 8.3

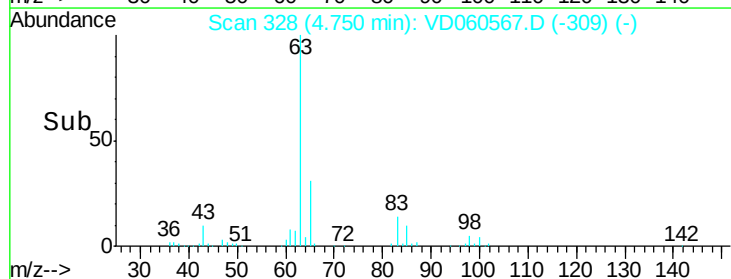
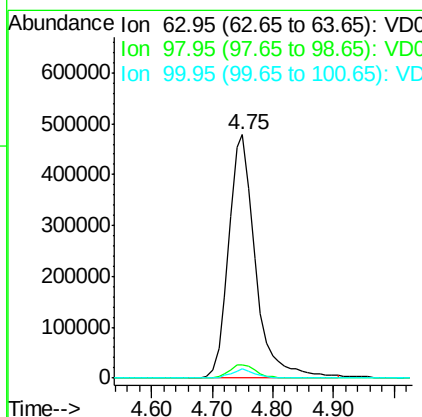
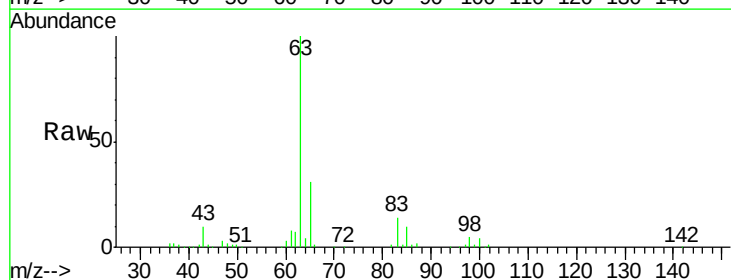
Manual Integrations  
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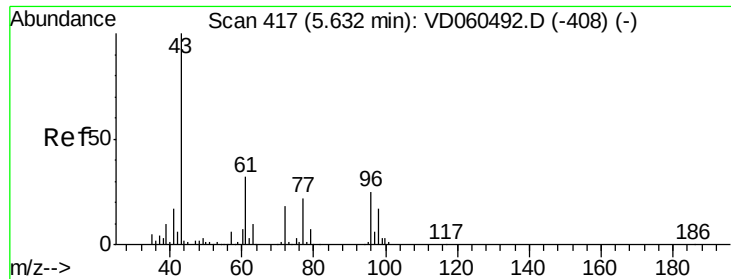
apatel  
 12/15/2018 3:25:03 PM



#24  
 1,1-Dichloroethane  
 Concen: 52.648 ug/l  
 RT: 4.75 min Scan# 328  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Tgt Ion: 63 Resp: 1467898  
 Ion Ratio Lower Upper  
 63 100  
 98 5.5 2.8 8.3  
 100 3.7 1.7 5.1





#25

2-Butanone

Concen: 273.676 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 964248

Ion Ratio Lower Upper

43 100

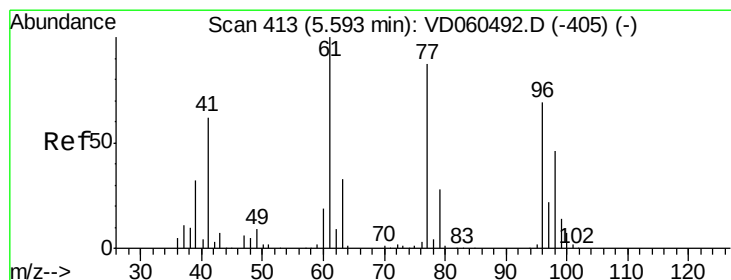
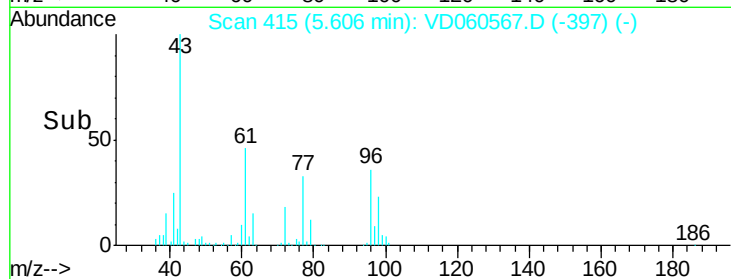
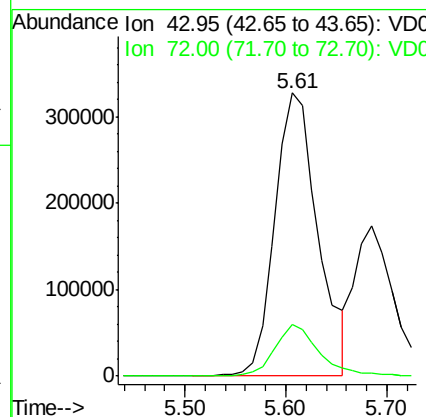
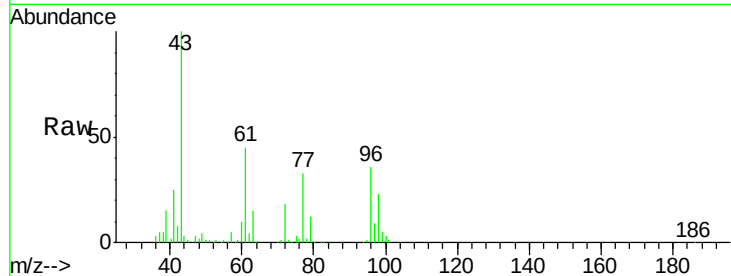
72 18.1 14.6 21.8

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#26

2,2-Dichloropropane

Concen: 52.599 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD060567.D

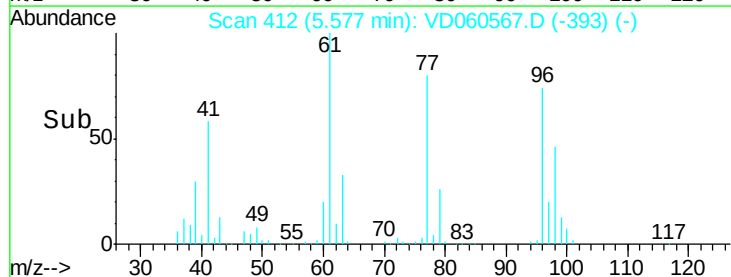
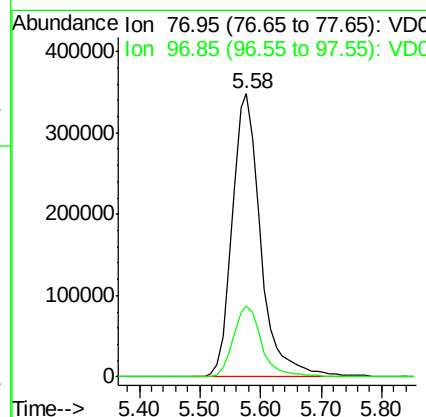
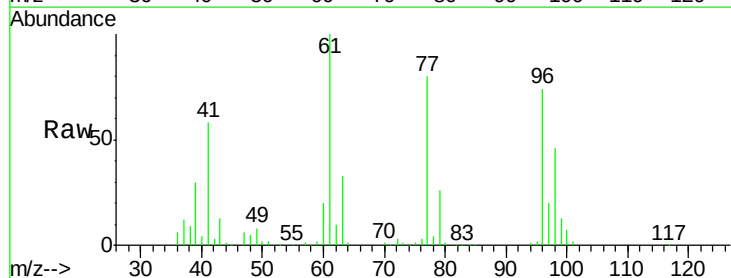
Acq: 14 Dec 2018 12:00

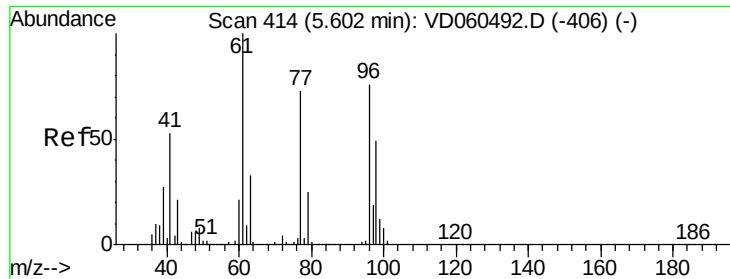
Tgt Ion: 77 Resp: 1132913

Ion Ratio Lower Upper

77 100

97 24.8 12.7 38.0





#27

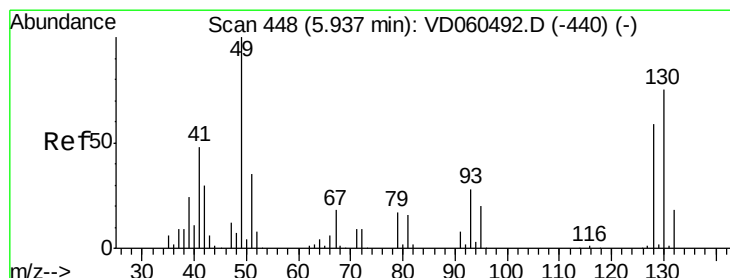
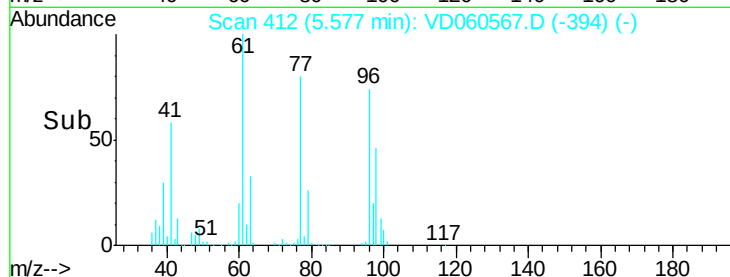
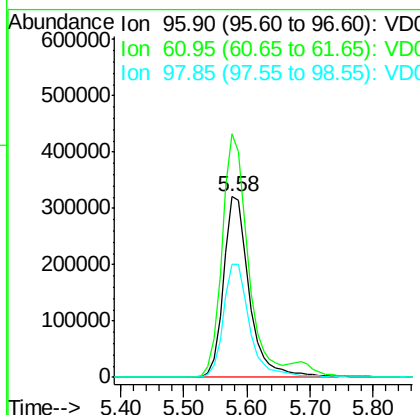
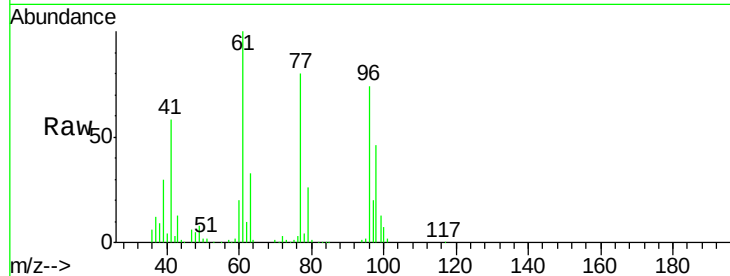
cis-1,2-Dichloroethene  
Concen: 52.163 ug/l  
RT: 5.58 min Scan# 412  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 908947 |       |       |
| 61      | 135.0 | 0.0    | 263.6 |       |
| 98      | 62.5  | 0.0    | 128.2 |       |

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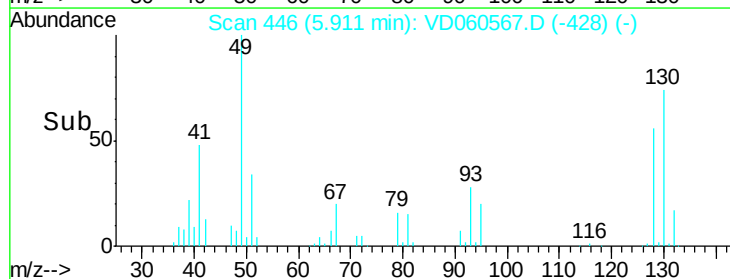
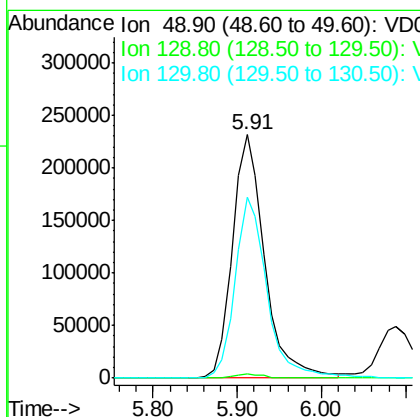
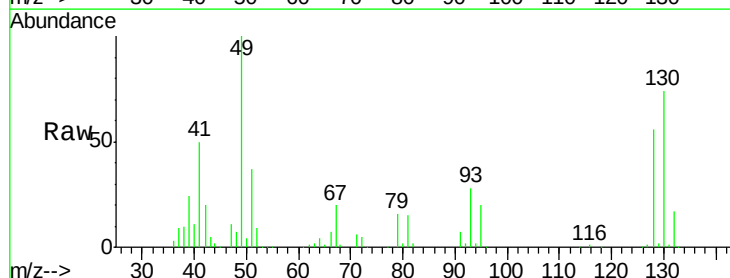
apatel  
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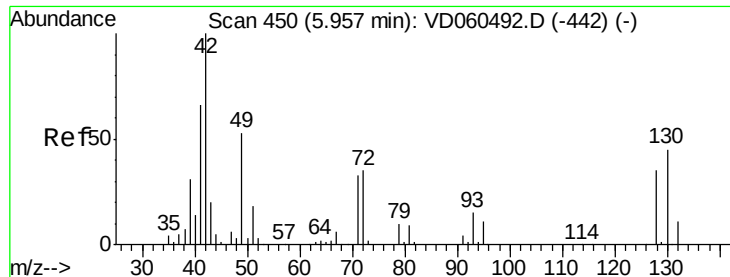


#28

Bromochloromethane  
Concen: 49.914 ug/l  
RT: 5.91 min Scan# 446  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 616498 |       |       |
| 129     | 1.6   | 0.0    | 3.4   |       |
| 130     | 74.1  | 59.8   | 89.6  |       |





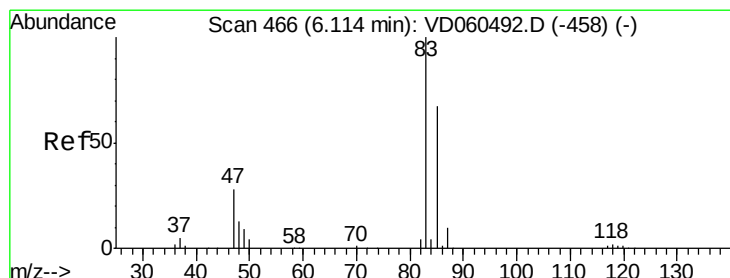
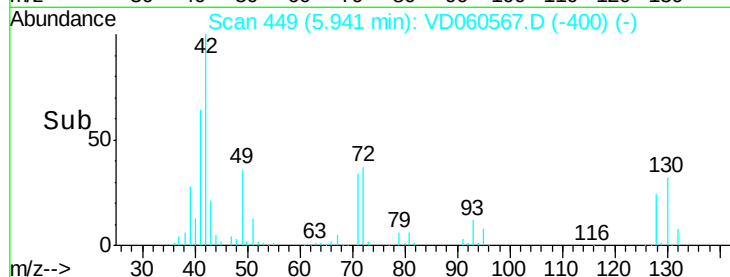
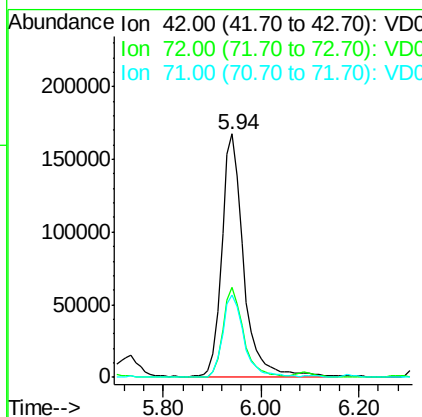
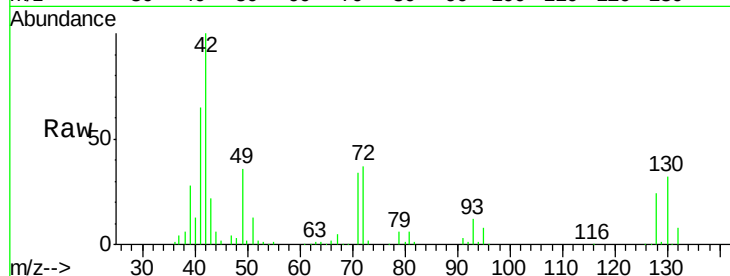
#29  
Tetrahydrofuran  
Concen: 258.373 ug/l  
RT: 5.94 min Scan# 449  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.0  | 28.0  | 42.0  |
| 71      | 33.6  | 27.2  | 40.8  |

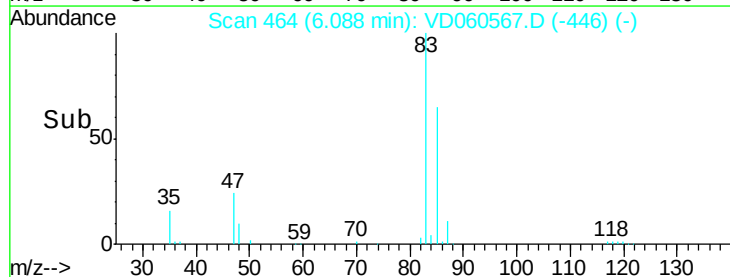
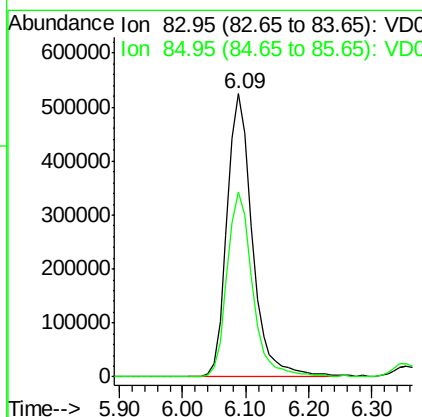
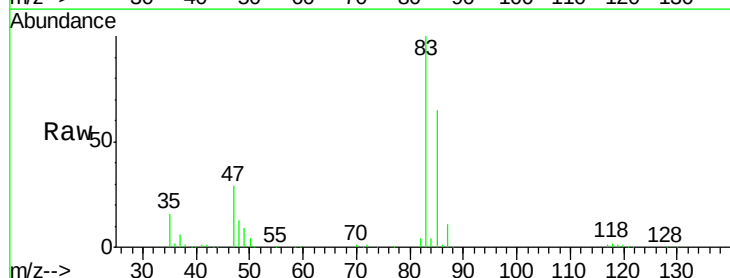
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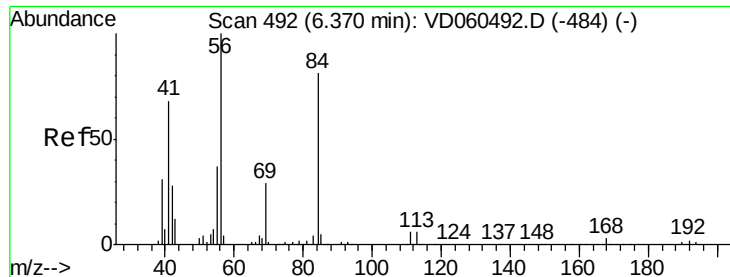
apatel  
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#30  
Chloroform  
Concen: 51.986 ug/l  
RT: 6.09 min Scan# 464  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 53.4  | 80.2  |





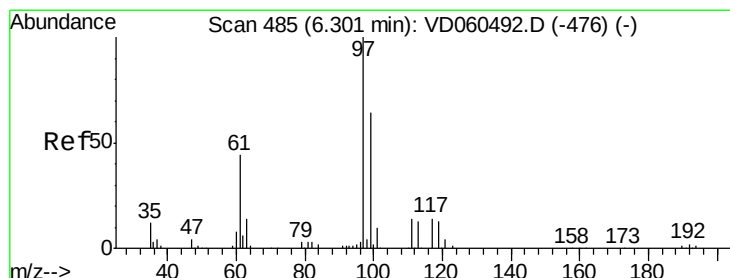
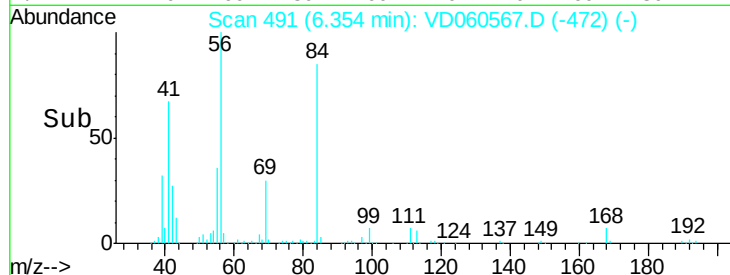
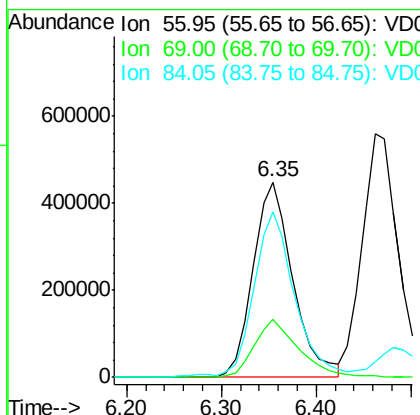
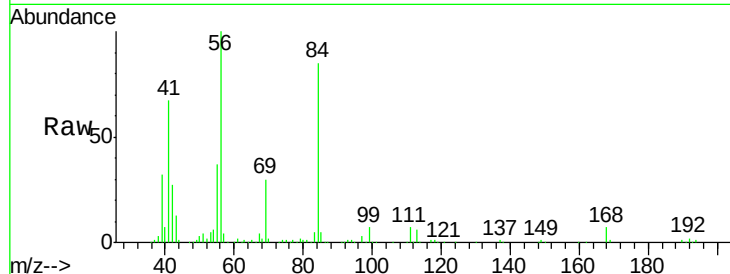
#31  
Cyclohexane  
Concen: 55.391 ug/l  
RT: 6.35 min Scan# 491  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 56 Resp: 1310777  
Ion Ratio Lower Upper  
56 100  
69 29.7 22.8 34.2  
84 84.6 65.1 97.7

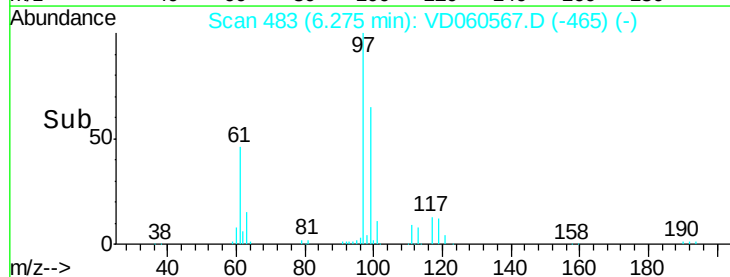
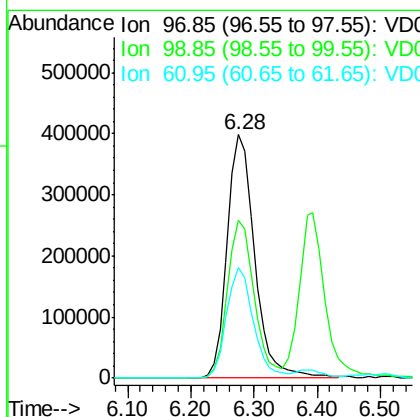
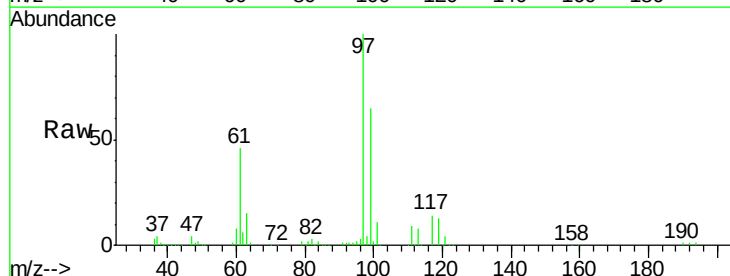
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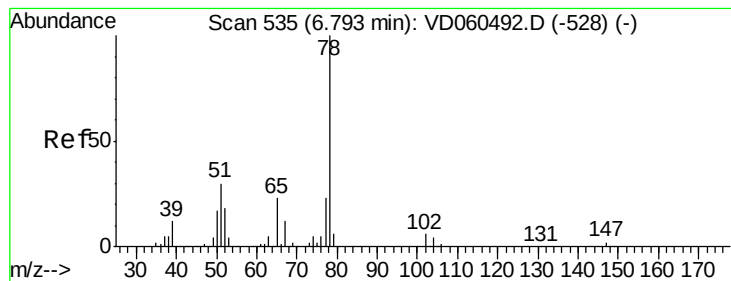
apatel  
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#32  
1,1,1-Trichloroethane  
Concen: 52.153 ug/l  
RT: 6.28 min Scan# 483  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 97 Resp: 1204323  
Ion Ratio Lower Upper  
97 100  
99 64.8 51.0 76.4  
61 45.6 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 52.153 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 569742

Ion Ratio Lower Upper

65 100

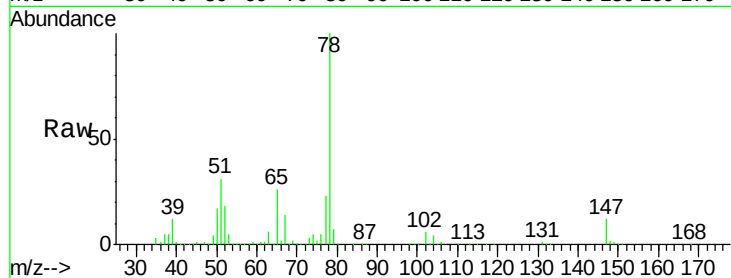
67 52.7 0.0 106.8

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

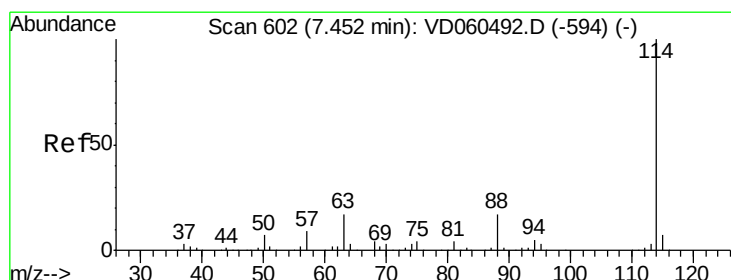
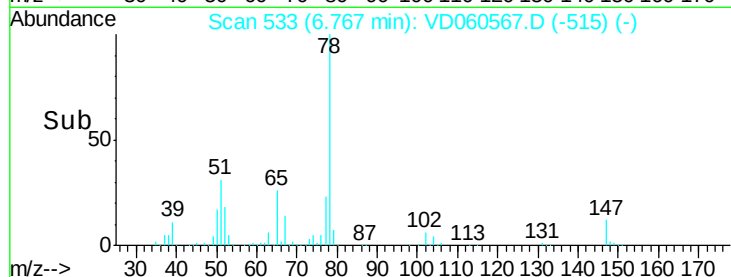
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

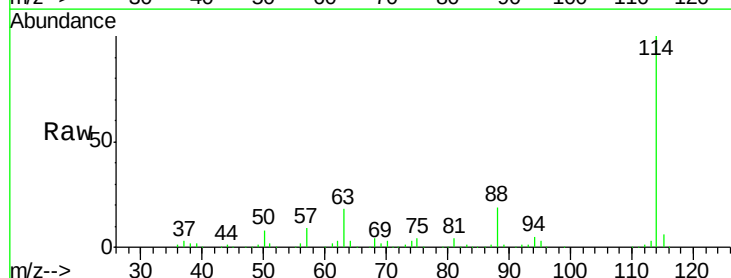
Tgt Ion: 114 Resp: 2186529

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.2

88 18.7 0.0 35.0



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

1200000

1000000

800000

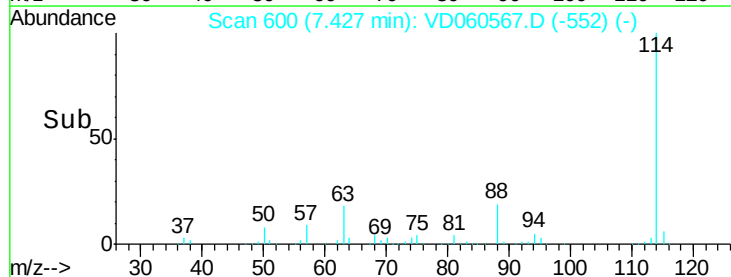
600000

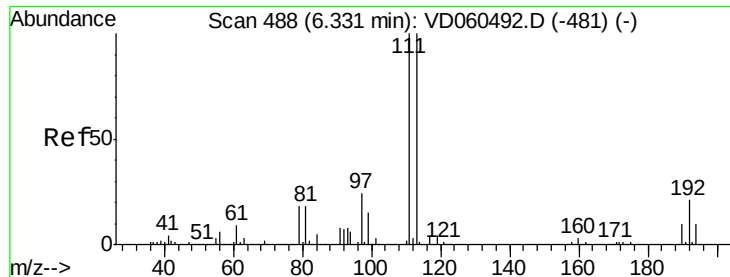
400000

200000

0

Time-->





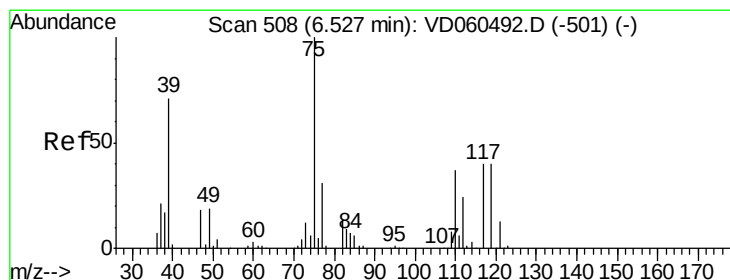
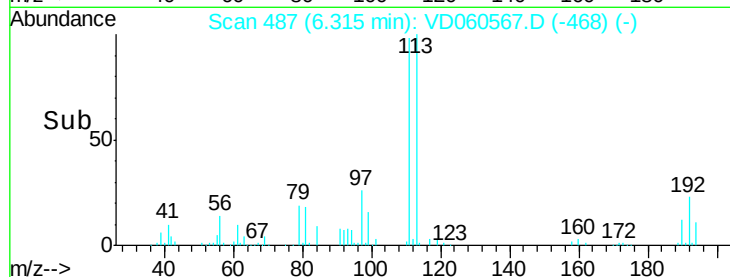
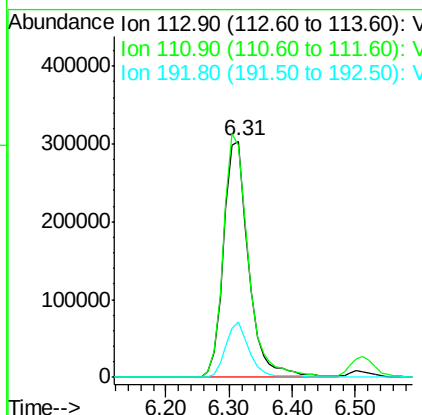
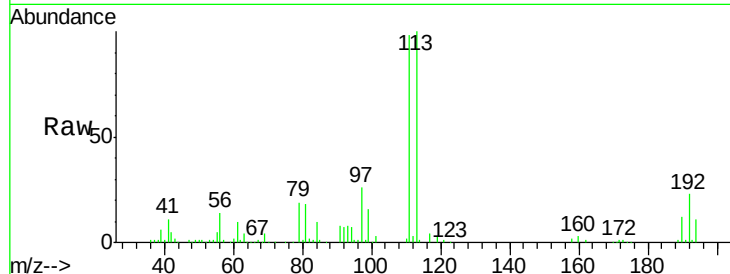
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.31 min Scan# 487  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 843099 |       |       |
| 111     | 98.4  | 80.2   | 120.4 |       |
| 192     | 23.3  | 16.6   | 24.8  |       |

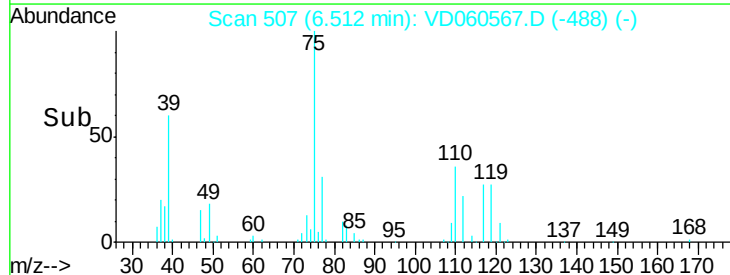
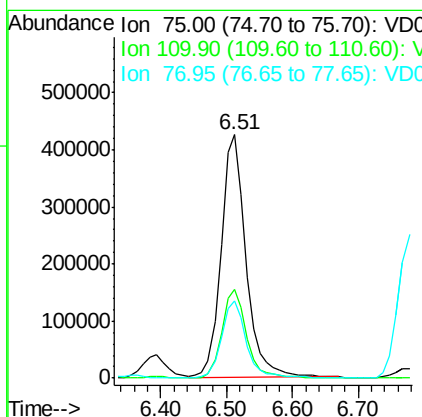
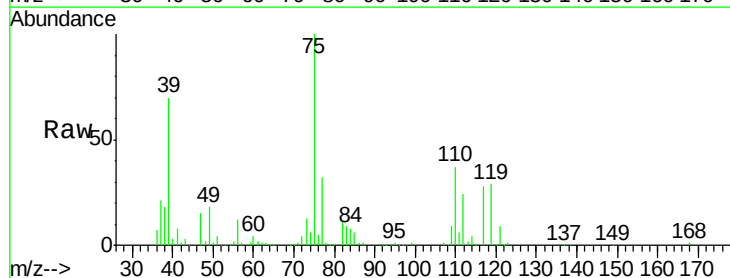
Manual Integrations  
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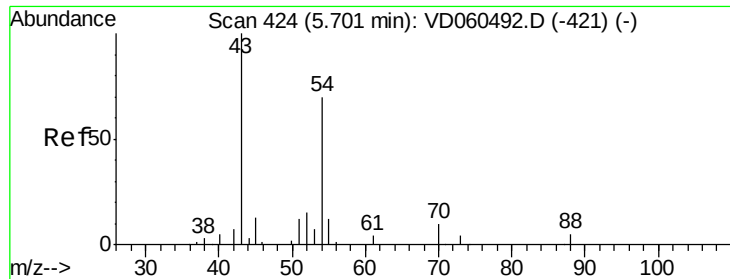
apatel  
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#36  
1,1-Dichloropropene  
Concen: 52.195 ug/l  
RT: 6.51 min Scan# 507  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 75      | 100   | 1115552 |       |       |
| 110     | 36.7  | 18.3    | 54.8  |       |
| 77      | 31.6  | 24.6    | 37.0  |       |





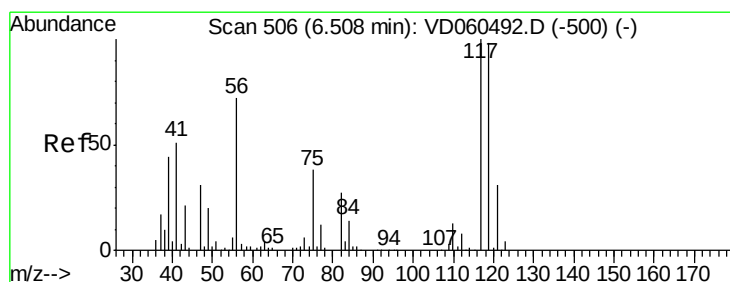
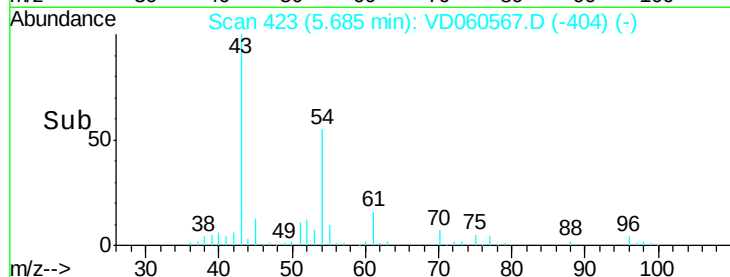
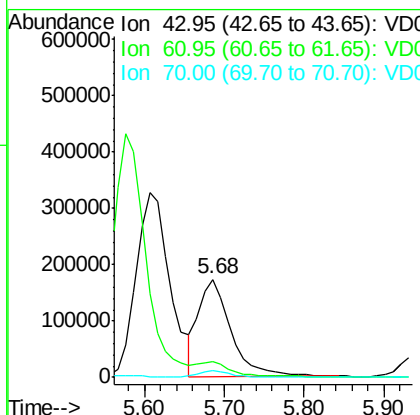
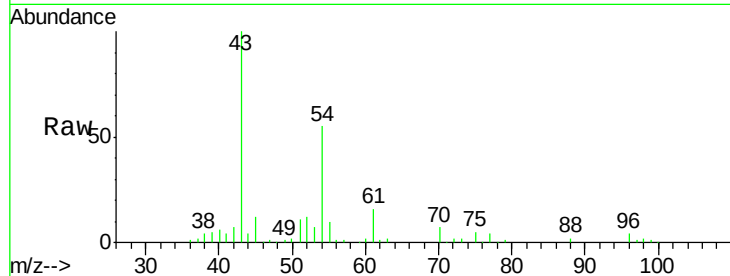
#37  
**Ethyl Acetate**  
 Concen: 51.508 ug/l  
 RT: 5.68 min Scan# 423  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.9  | 12.4  | 18.6  |
| 70      | 7.3   | 5.4   | 8.0   |

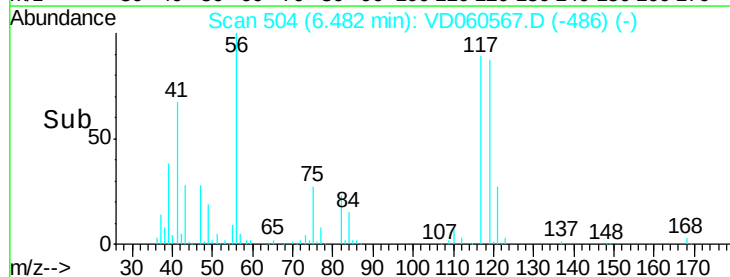
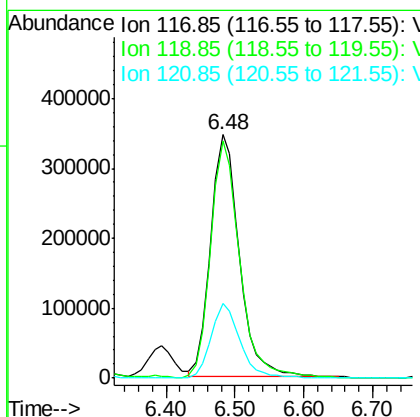
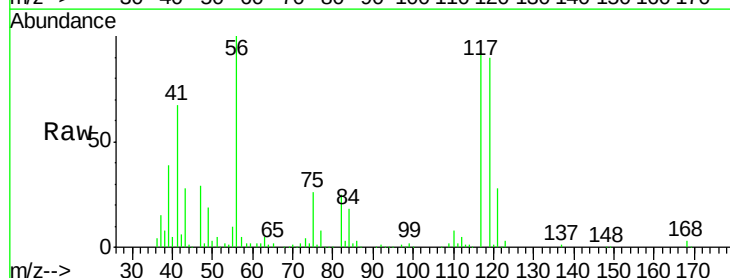
Manual Integrations  
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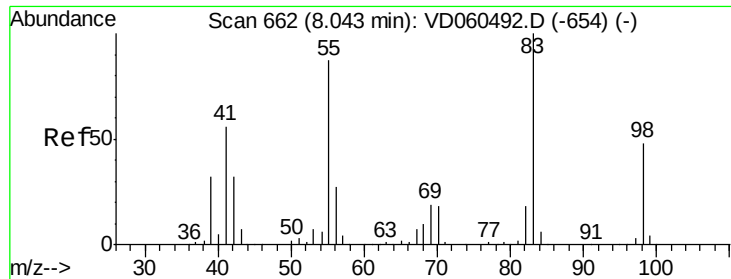


#38  
**Carbon Tetrachloride**  
 Concen: 52.491 ug/l  
 RT: 6.48 min Scan# 504  
 Delta R.T. -0.03 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.4  | 76.8  | 115.2 |
| 121     | 30.5  | 24.4  | 36.6  |







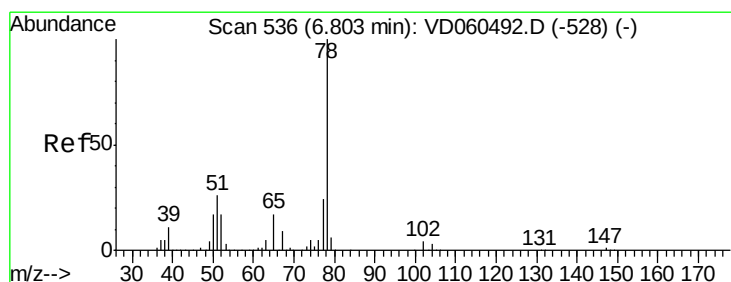
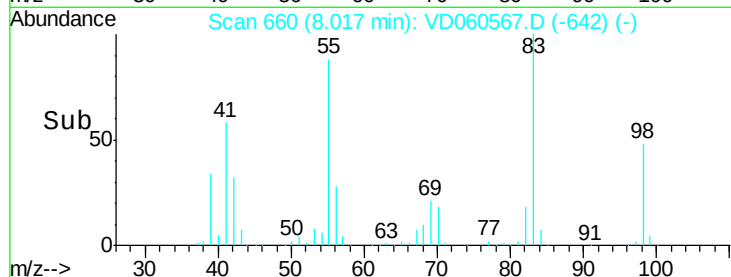
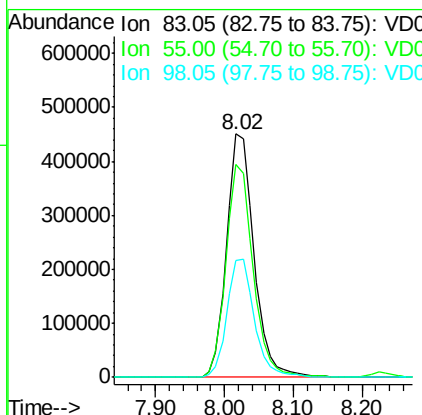
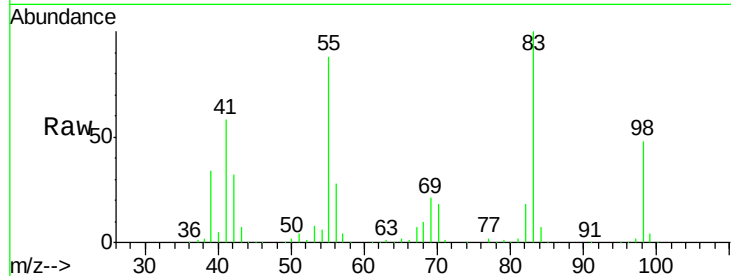
#39  
Methylcyclohexane  
Concen: 51.116 ug/l  
RT: 8.02 min Scan# 660  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 83 Resp: 1245439  
Ion Ratio Lower Upper  
83 100  
55 87.6 69.8 104.8  
98 48.2 38.4 57.6

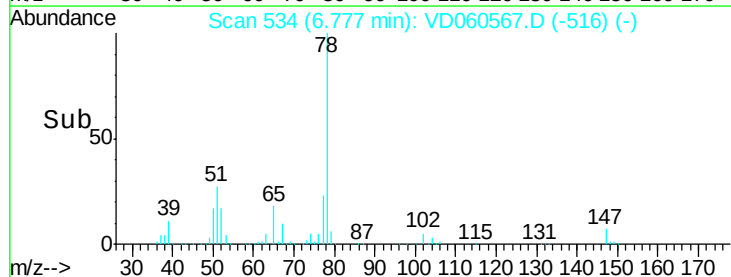
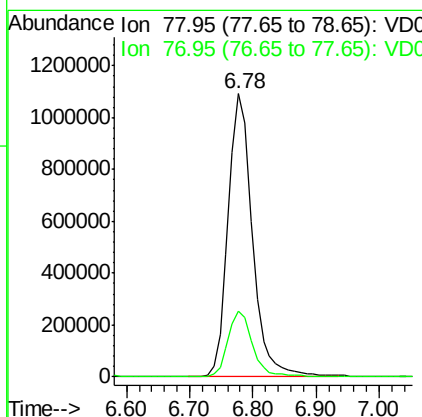
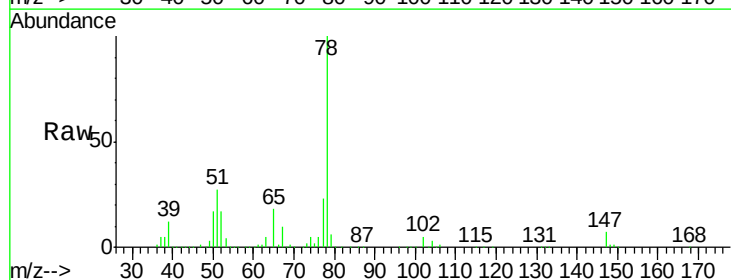
Manual Integrations  
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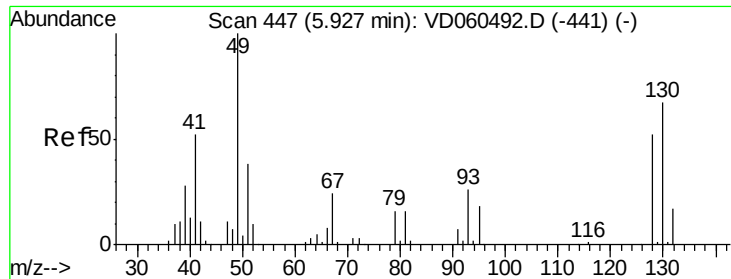
apatel  
12/15/2018 3:25:03 PM



#40  
Benzene  
Concen: 53.299 ug/l  
RT: 6.78 min Scan# 534  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 78 Resp: 2911346  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.9 28.3





#41

Methacrylonitrile

Concen: 56.767 ug/l m

RT: 5.91 min Scan# 446

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 283647  
Ion Ratio Lower Upper

41 100

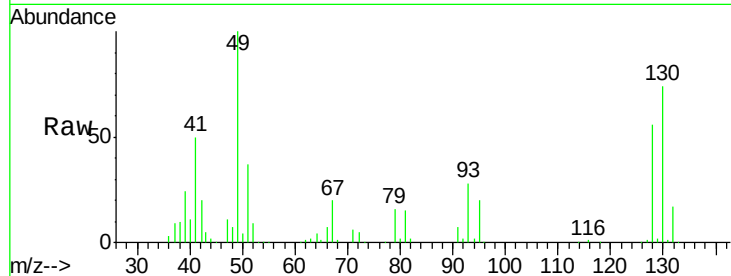
39 47.9 42.6 63.8

67 39.3 36.2 54.4

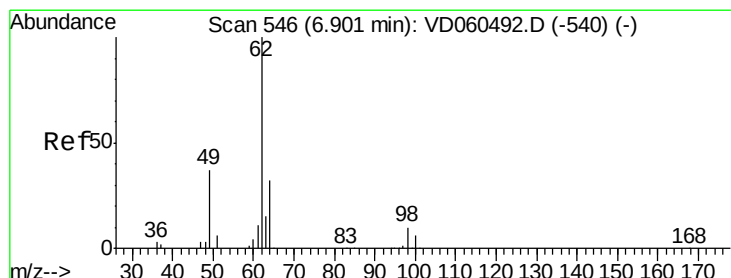
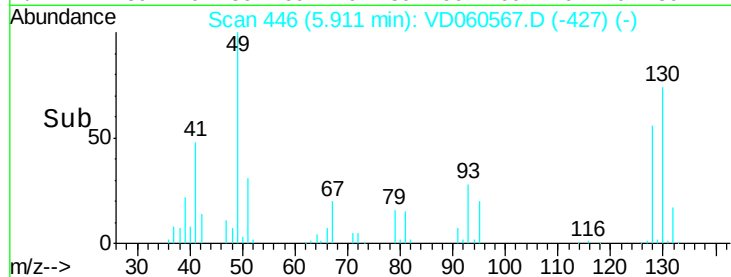
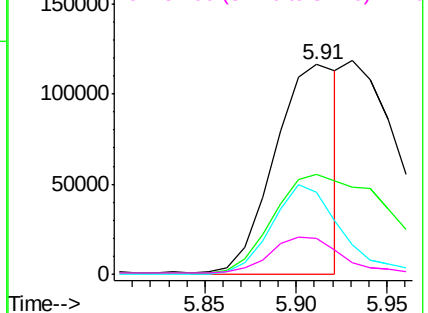
52 17.1 15.6 23.4

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Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 38.95 (38.65 to 39.65): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.541 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.03 min

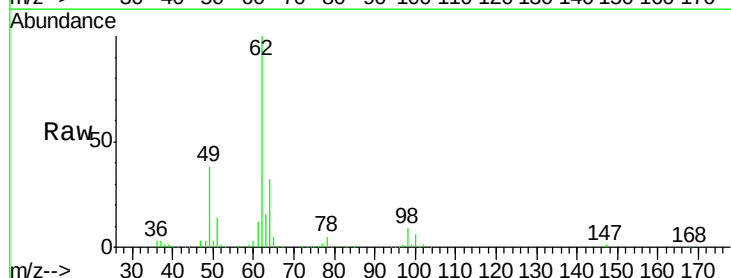
Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

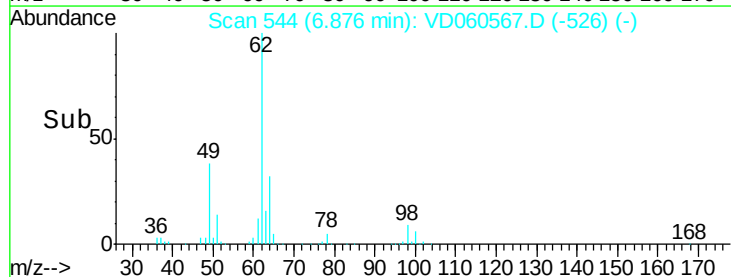
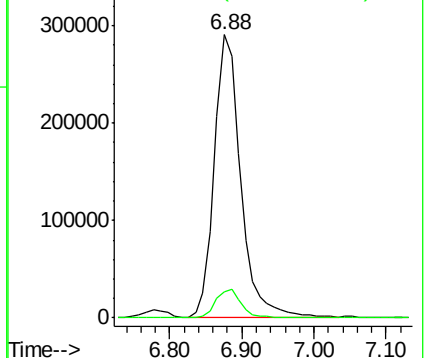
Tgt Ion: 62 Resp: 729702  
Ion Ratio Lower Upper

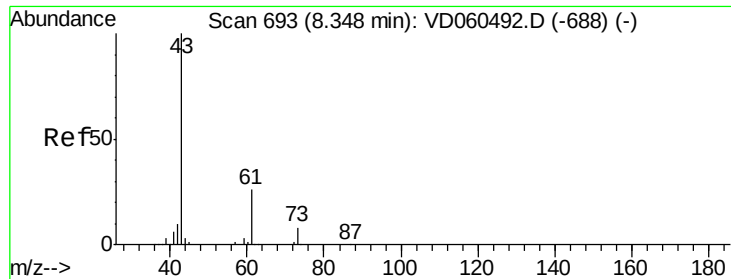
62 100

98 9.3 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 53.436 ug/l

RT: 8.33 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

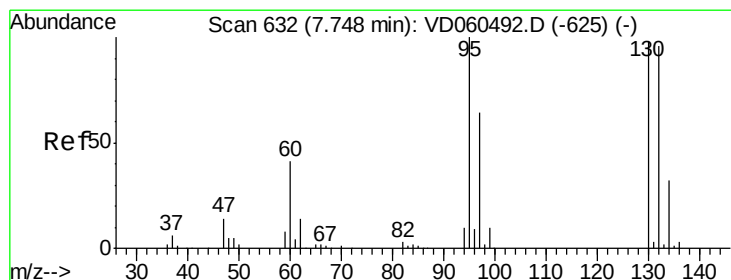
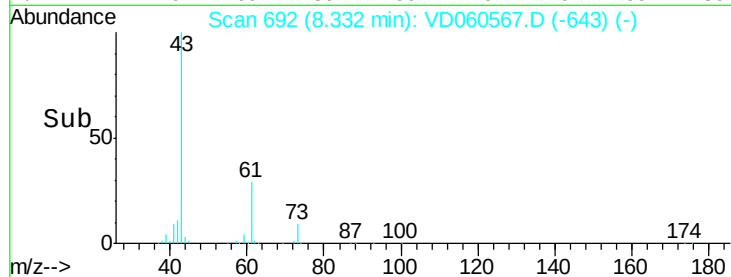
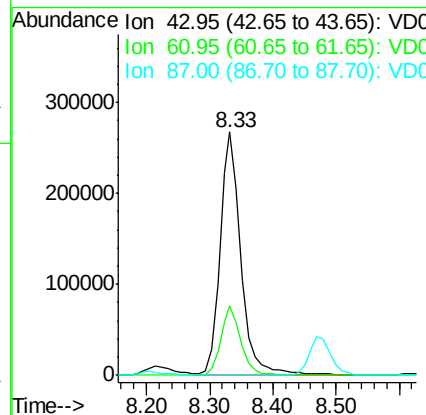
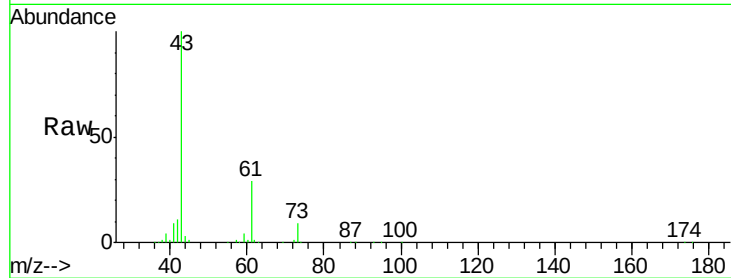
ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 611417 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.5  | 21.0  | 31.4   |
| 87       | 0.2   | 0.2   | 0.2    |

Manual Integrations  
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#44

Trichloroethene

Concen: 53.044 ug/l

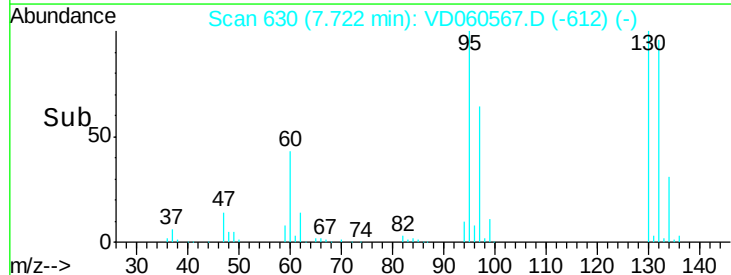
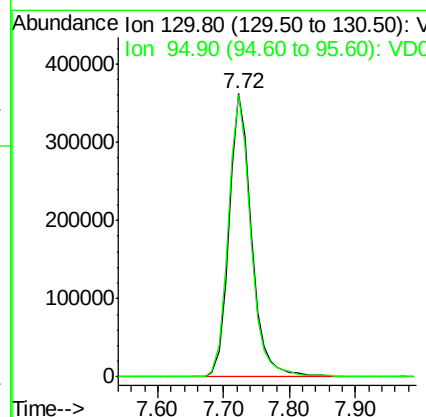
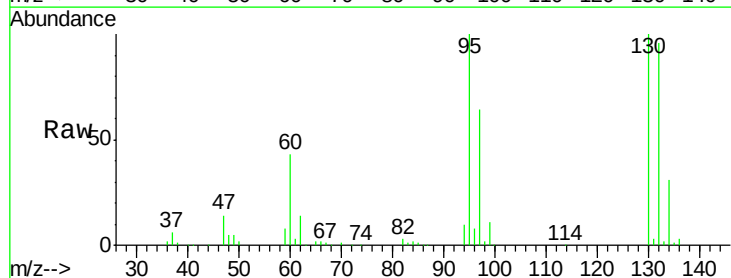
RT: 7.72 min Scan# 630

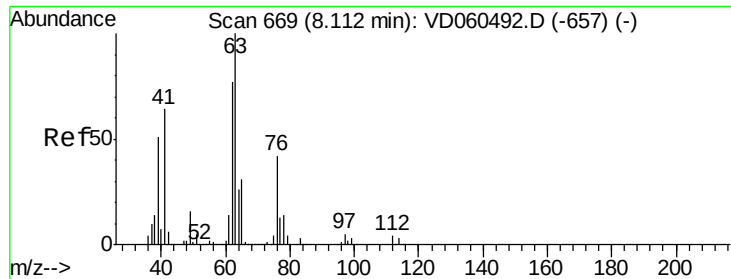
Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 865886 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 99.5  | 0.0   | 203.8  |





#45

1,2-Dichloropropane

Concen: 52.970 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 715602

Ion Ratio Lower Upper

63 100

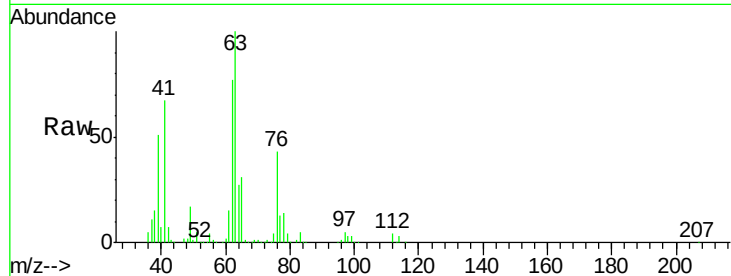
65 31.2 24.6 37.0

Manual Integrations

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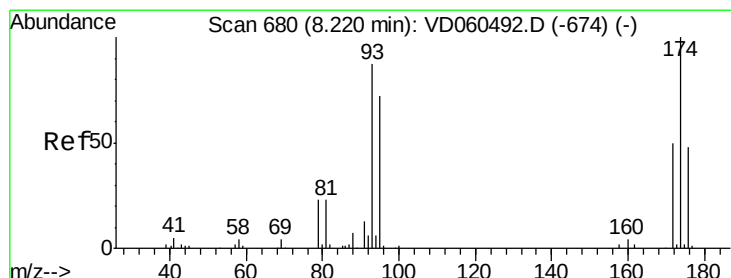
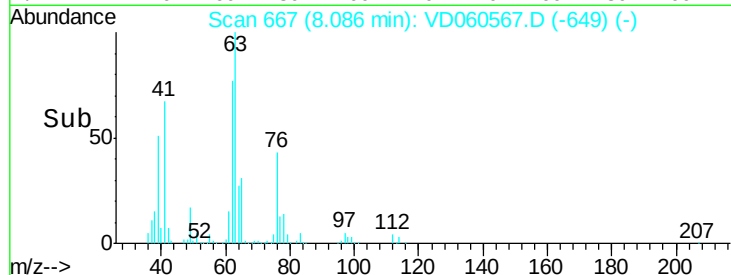
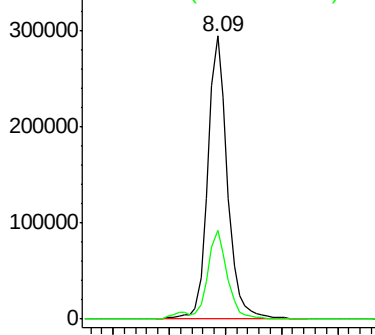
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.489 ug/l

RT: 8.19 min Scan# 678

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

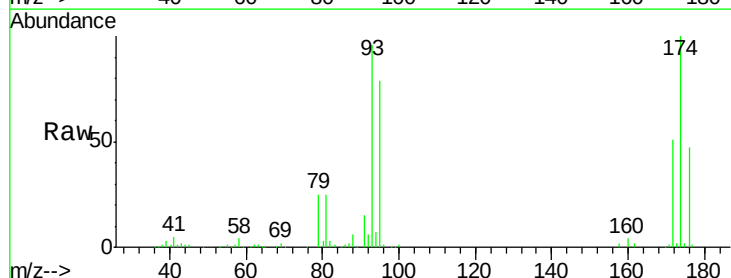
Tgt Ion: 93 Resp: 417501

Ion Ratio Lower Upper

93 100

95 82.6 65.6 98.4

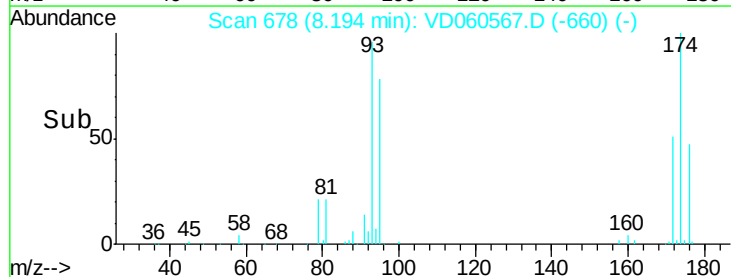
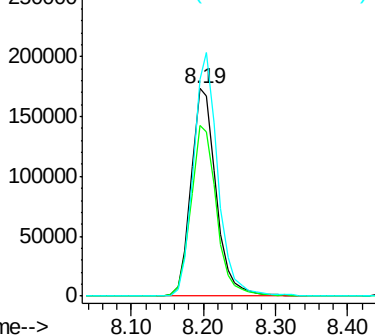
174 104.7 91.7 137.5

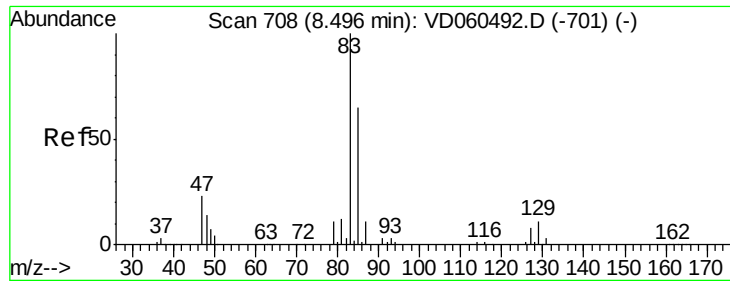


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 54.265 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

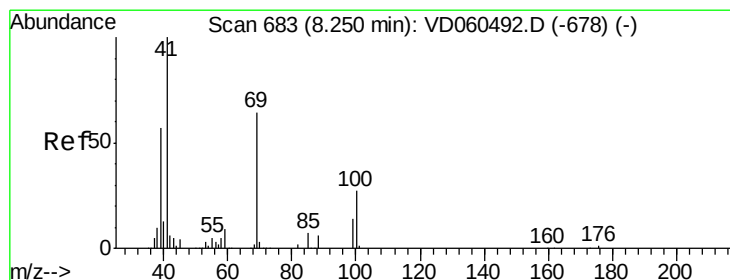
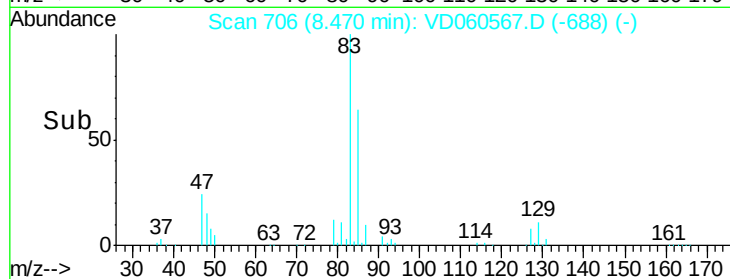
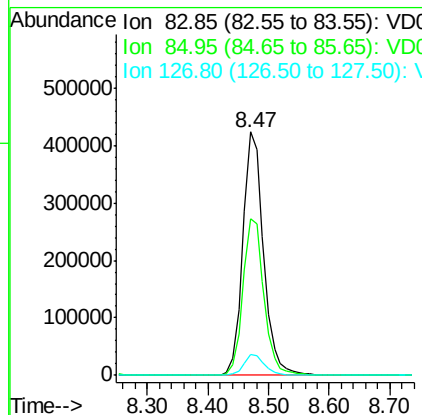
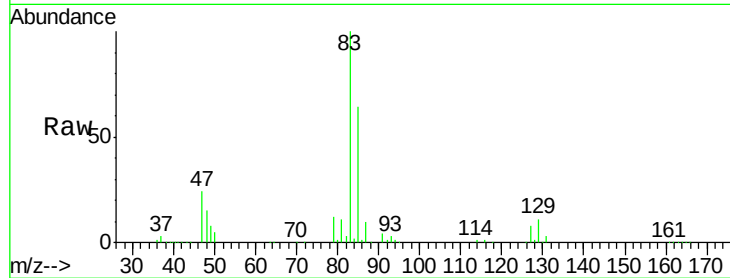
ClientSampleId :

VSTDCCC050

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 83    | Resp: | 1004994 |
| Ion      | Ratio | Lower | Upper   |
| 83       | 100   |       |         |
| 85       | 64.1  | 52.2  | 78.4    |
| 127      | 8.4   | 6.7   | 10.1    |

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#48

Methyl methacrylate

Concen: 54.545 ug/l

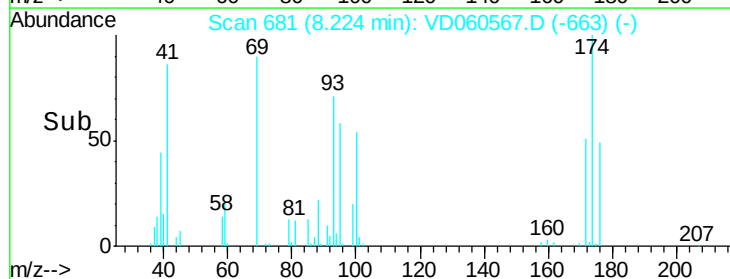
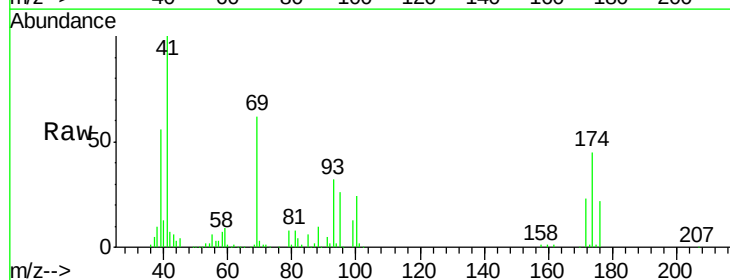
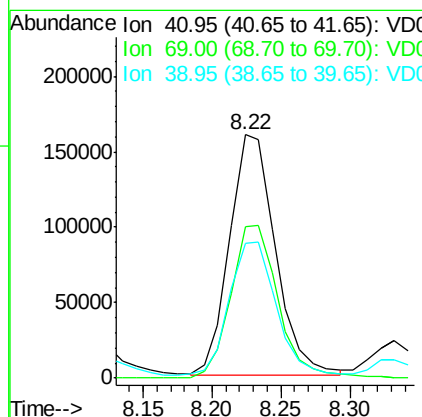
RT: 8.22 min Scan# 681

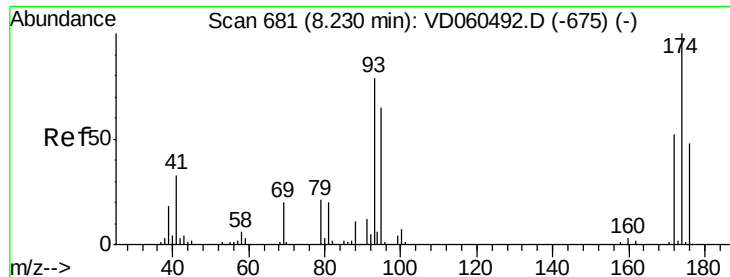
Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 369279 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 62.3  | 50.2  | 75.4   |
| 39       | 55.5  | 46.1  | 69.1   |





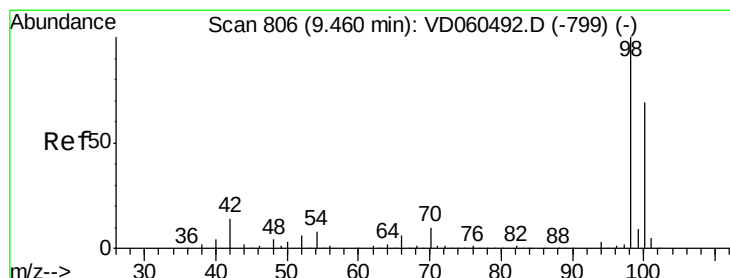
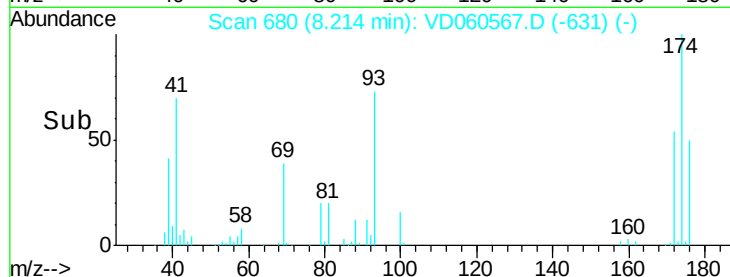
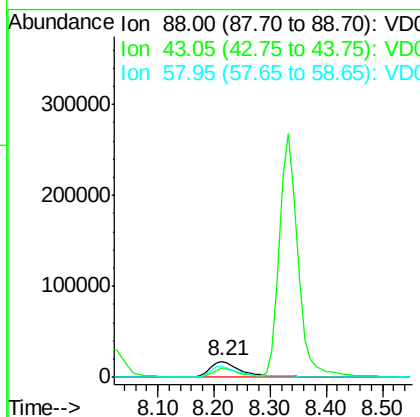
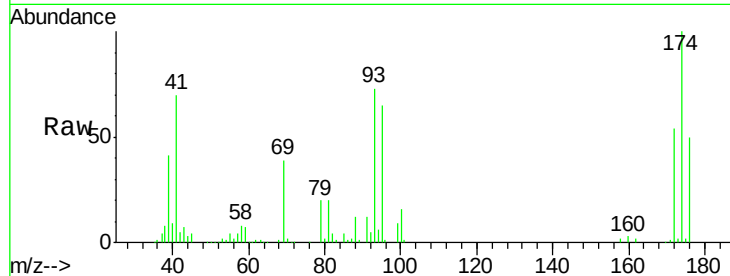
#49  
1,4-Dioxane  
Concen: 1132.036 ug/l  
RT: 8.21 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 56.5  | 32.9  | 49.3# |
| 58      | 67.4  | 47.7  | 71.5  |

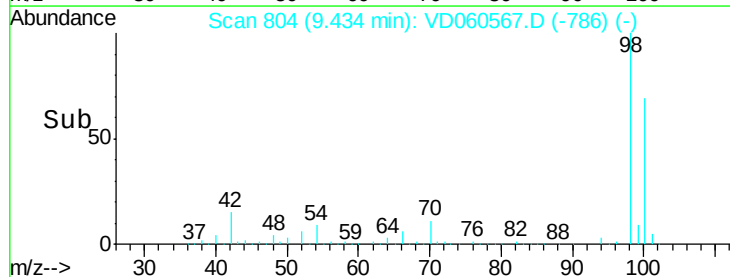
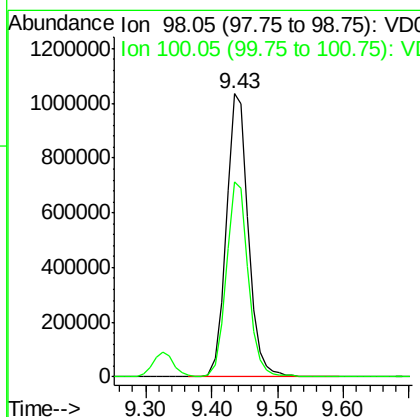
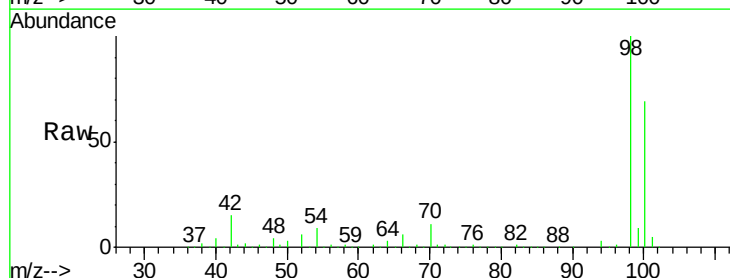
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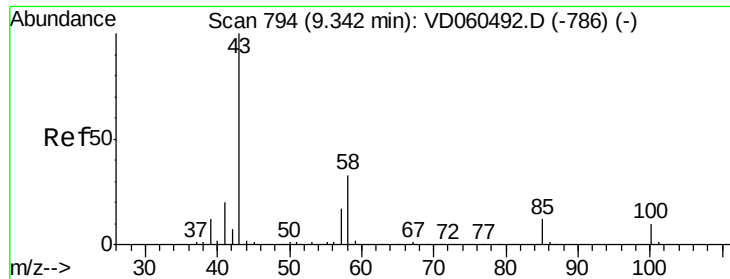
apatel  
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#50  
Toluene-d8  
Concen: 1132.036 ug/l  
RT: 9.43 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.9  | 55.7  | 83.5  |





#51

4-Methyl-2-Pentanone

Concen: 276.850 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1970468

Ion Ratio Lower Upper

43 100

58 33.1

26.3

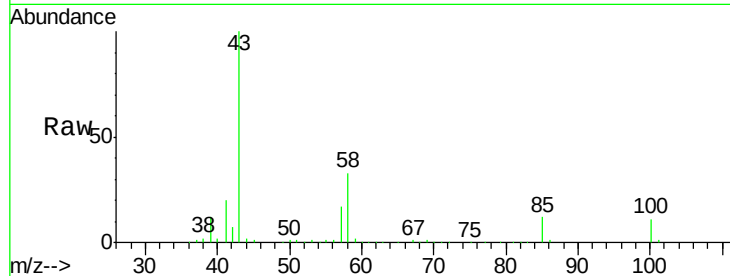
39.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

800000

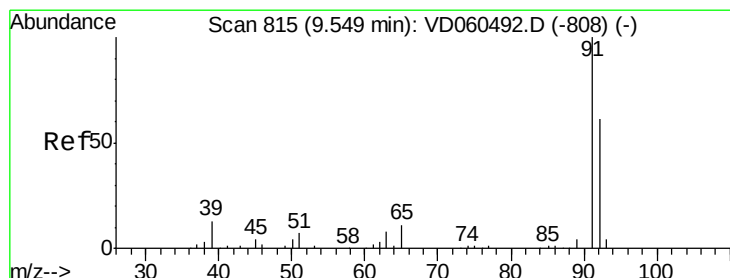
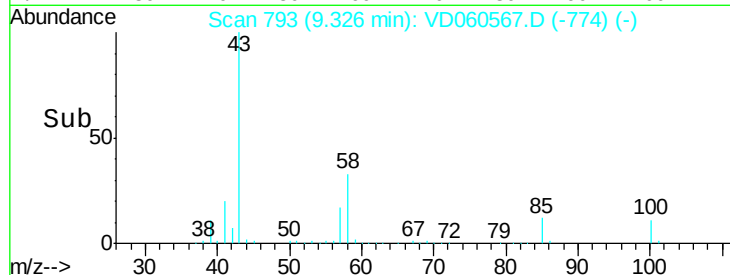
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.376 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Tgt Ion: 92 Resp: 1788142

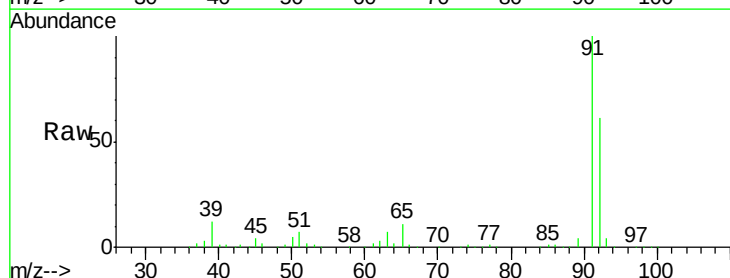
Ion Ratio Lower Upper

92 100

91 165.2

131.7

197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

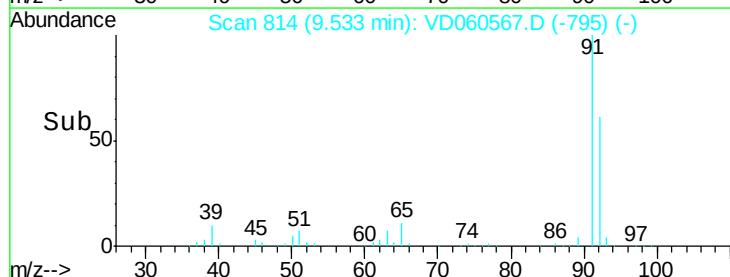
1500000

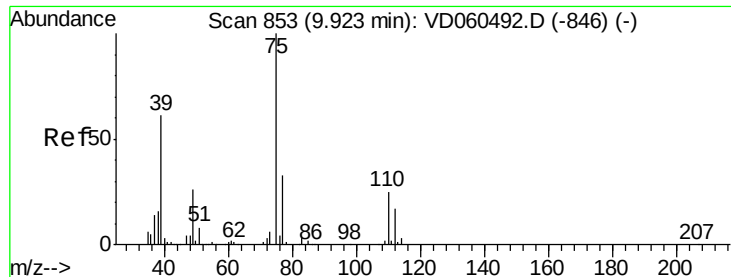
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.383 ug/l

RT: 9.90 min Scan# 851

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 842810

Ion Ratio Lower Upper

75 100

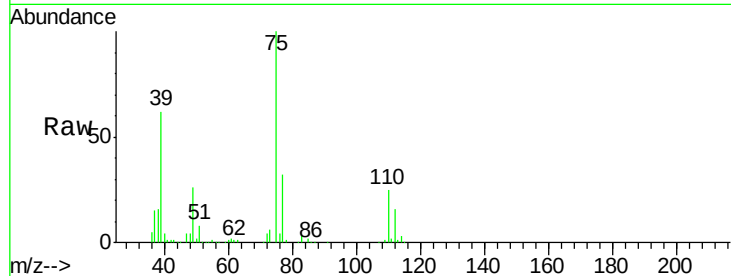
77 31.9 26.2 39.2

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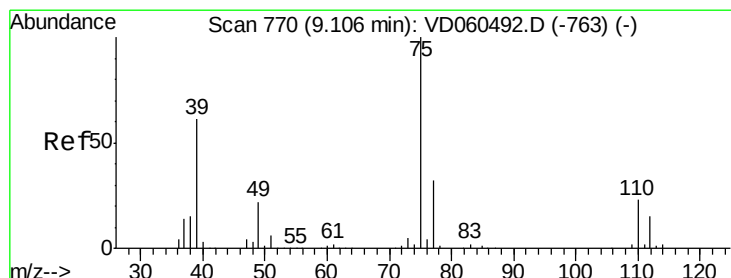
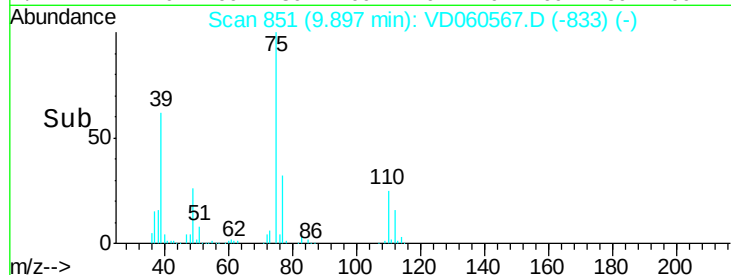
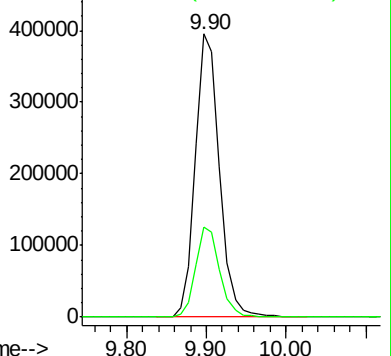
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.347 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

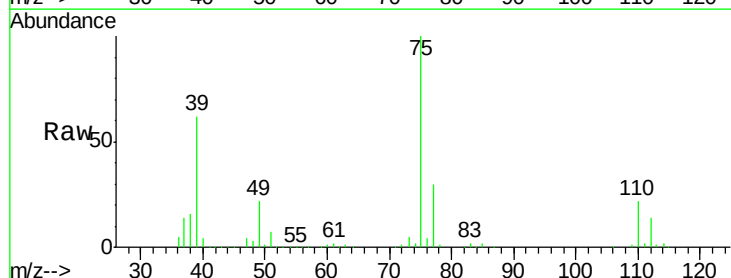
Tgt Ion: 75 Resp: 1106618

Ion Ratio Lower Upper

75 100

77 30.4 25.6 38.4

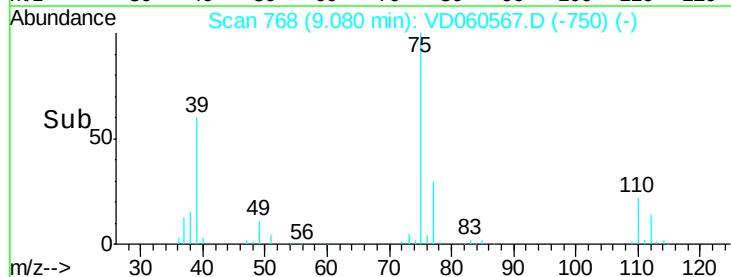
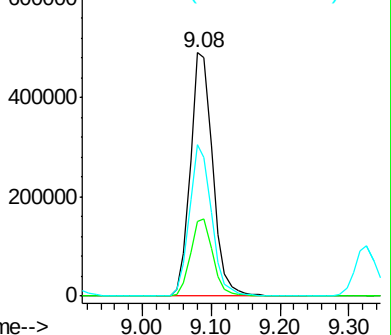
39 62.3 48.6 73.0



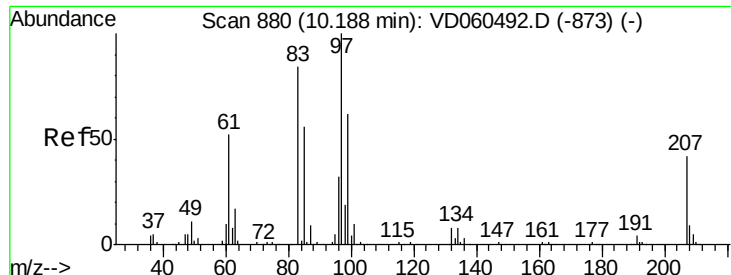
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC







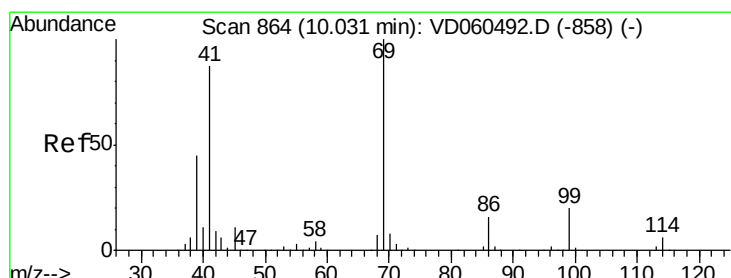
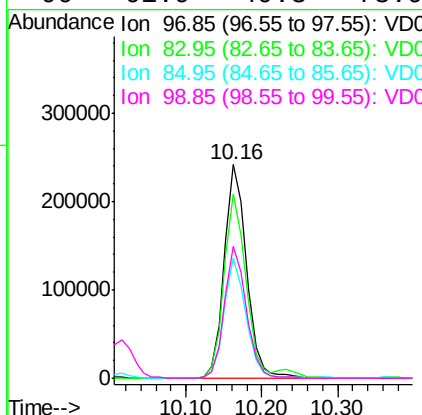
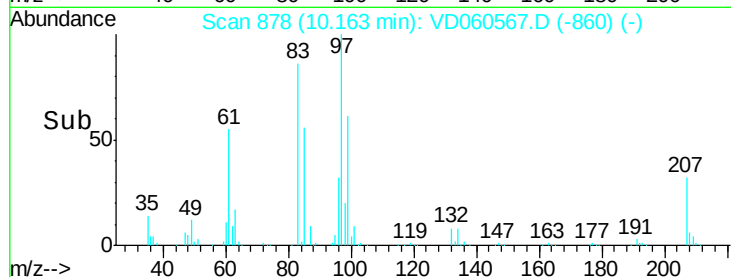
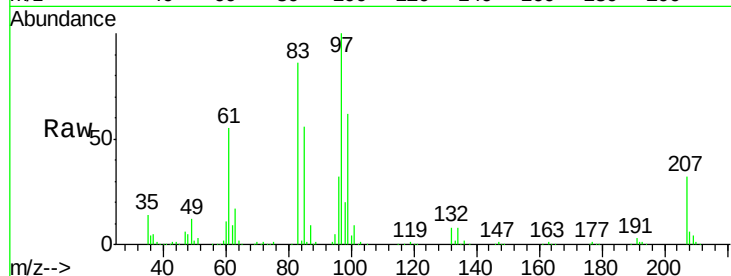
#55  
 1,1,2-Trichloroethane  
 Concen: 52.186 ug/l  
 RT: 10.16 min Scan# 878  
 Delta R.T. -0.03 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 496155 |       |       |
| 83      | 86.4  | 67.2   | 100.8 |       |
| 85      | 56.4  | 44.5   | 66.7  |       |
| 99      | 61.9  | 49.3   | 73.9  |       |

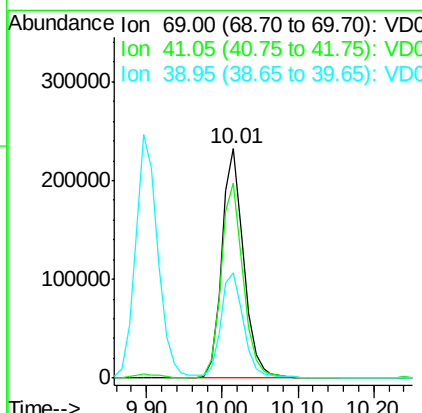
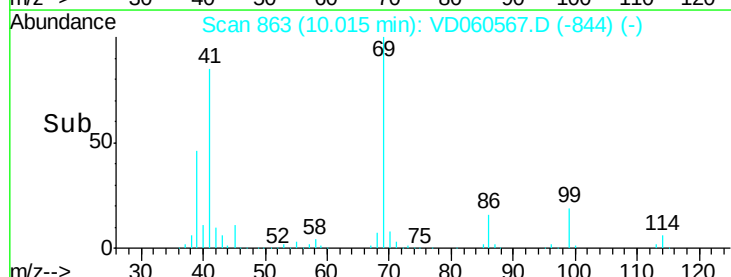
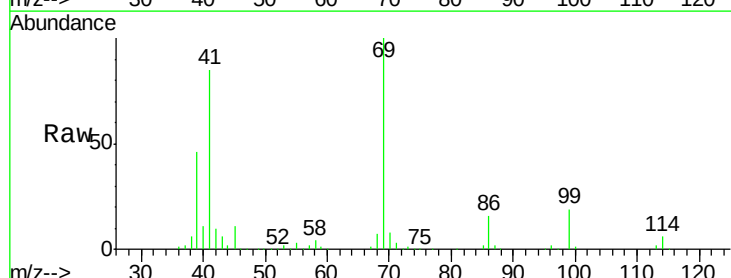
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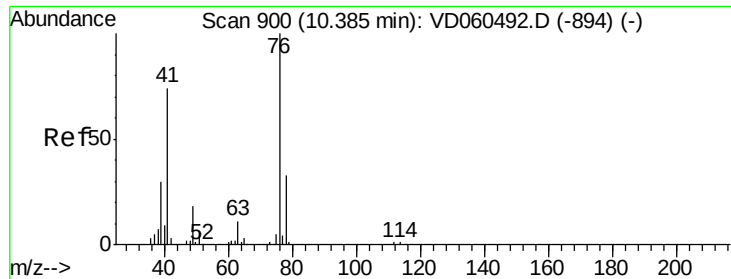
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#56  
 Ethyl methacrylate  
 Concen: 54.095 ug/l  
 RT: 10.01 min Scan# 863  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 465459 |       |       |
| 41      | 85.3  | 69.8   | 104.8 |       |
| 39      | 45.8  | 37.5   | 56.3  |       |





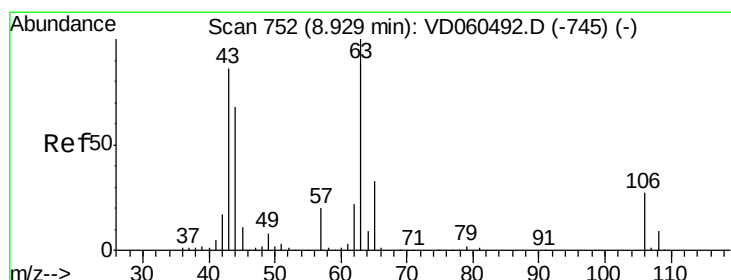
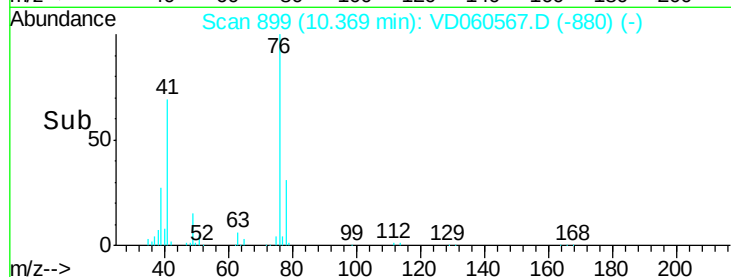
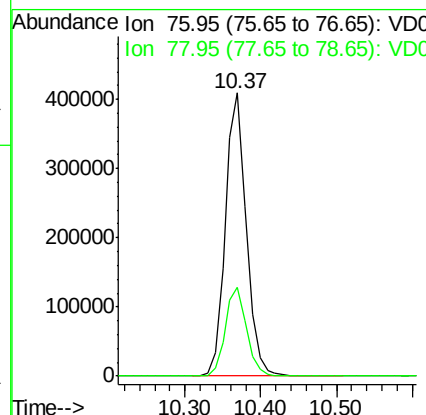
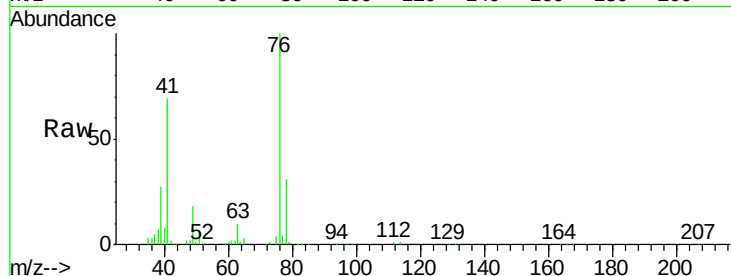
#57  
 1,3-Dichloropropane  
 Concen: 53.554 ug/l  
 RT: 10.37 min Scan# 899  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 76 Resp: 787092  
 Ion Ratio Lower Upper  
 76 100  
 78 31.4 26.1 39.1

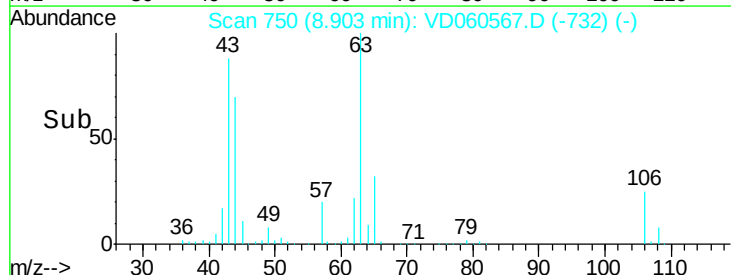
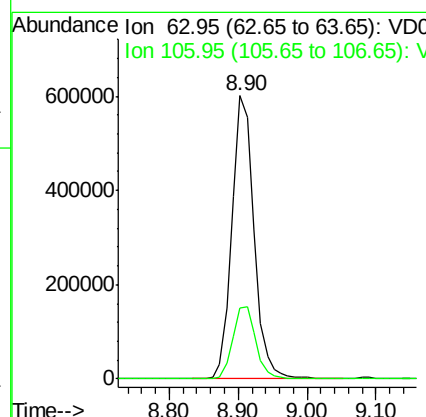
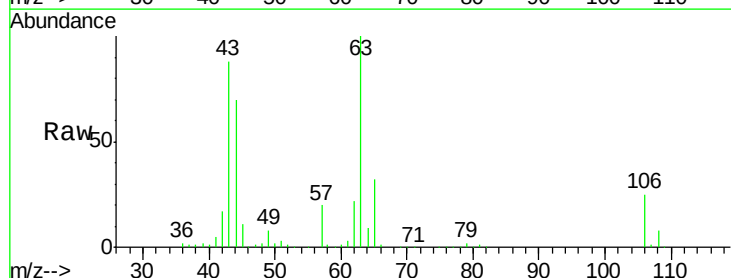
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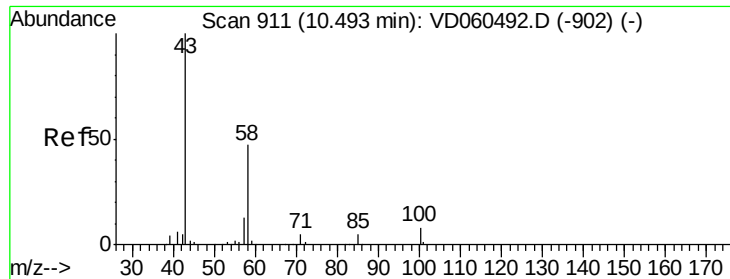
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 259.955 ug/l  
 RT: 8.90 min Scan# 750  
 Delta R.T. -0.03 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Tgt Ion: 63 Resp: 1338365  
 Ion Ratio Lower Upper  
 63 100  
 106 25.2 21.6 32.4





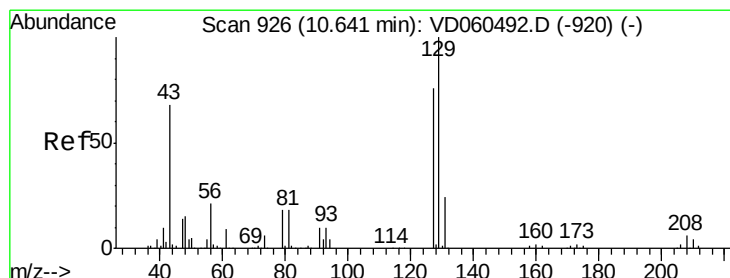
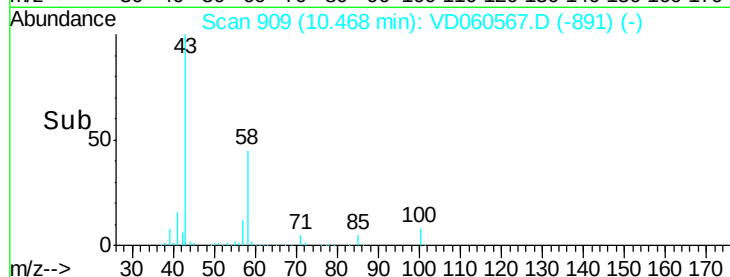
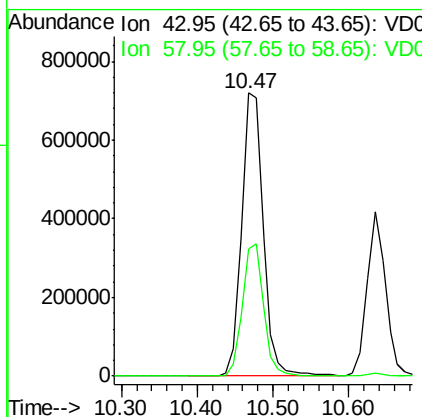
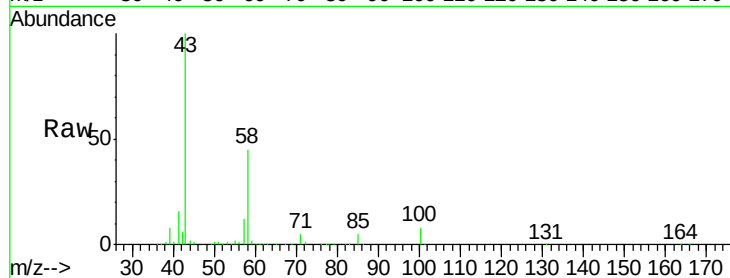
#59  
2-Hexanone  
Concen: 285.645 ug/l  
RT: 10.47 min Scan# 909  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 1421060  
Ion Ratio Lower Upper  
43 100  
58 44.9 23.4 70.2

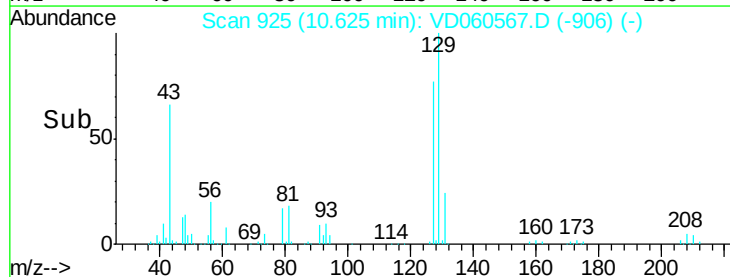
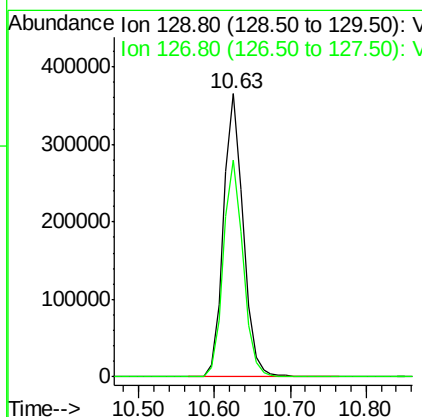
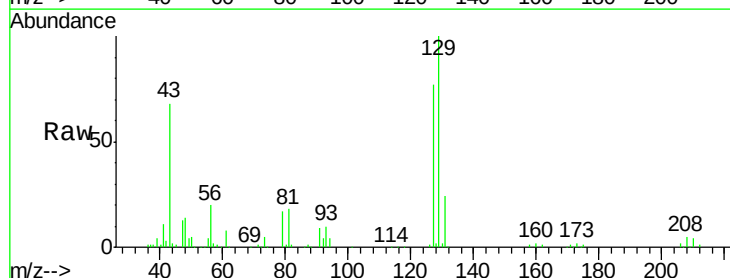
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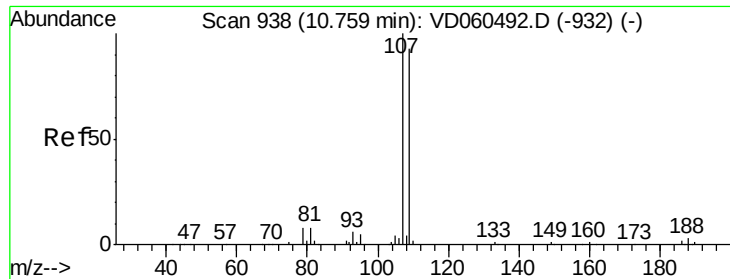
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#60  
Dibromochloromethane  
Concen: 55.607 ug/l  
RT: 10.63 min Scan# 925  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 129 Resp: 661001  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 54.578 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 528808

Ion Ratio Lower Upper

107 100

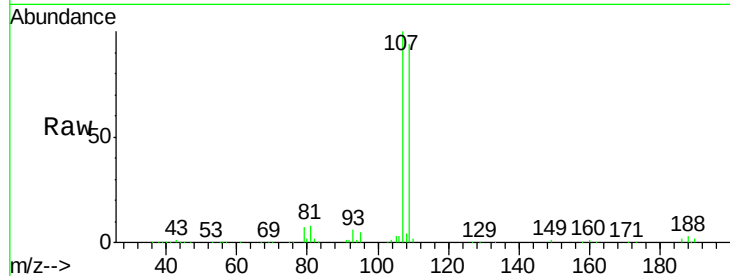
109 94.1 74.7 112.1

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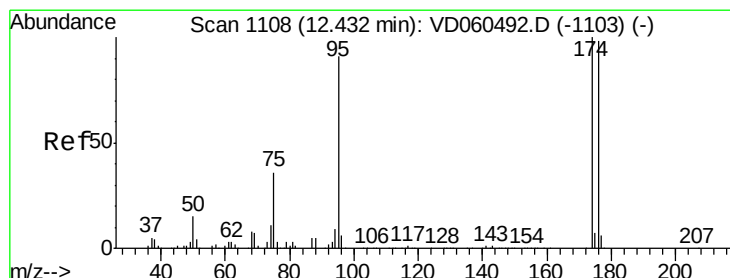
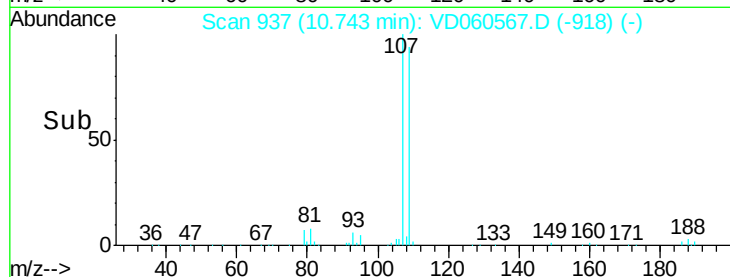
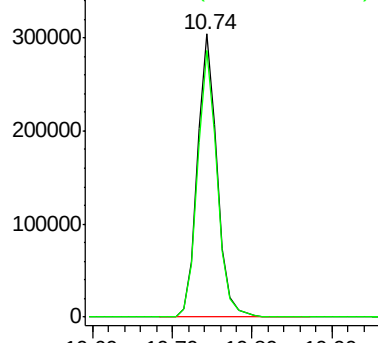
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 54.578 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

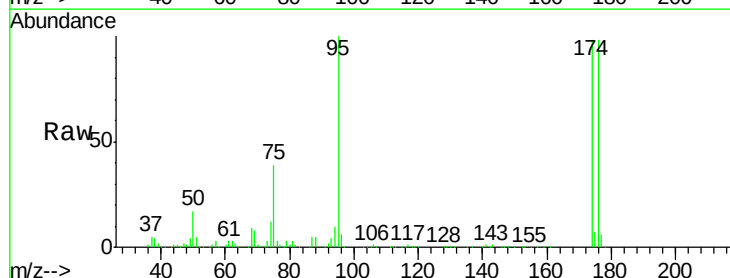
Tgt Ion: 95 Resp: 878431

Ion Ratio Lower Upper

95 100

174 98.5 0.0 219.4

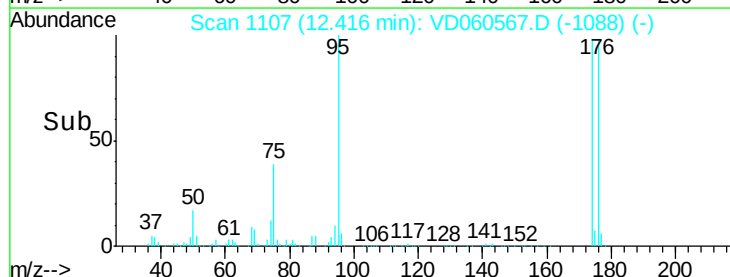
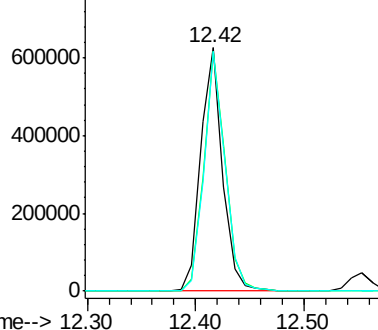
176 98.4 0.0 214.6

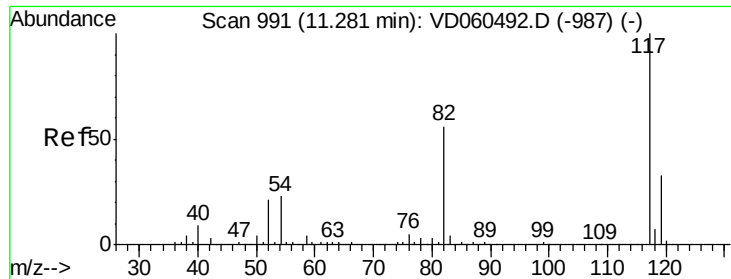


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





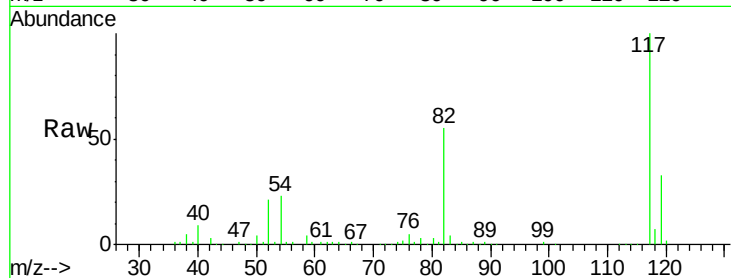
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.26 min Scan# 990  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

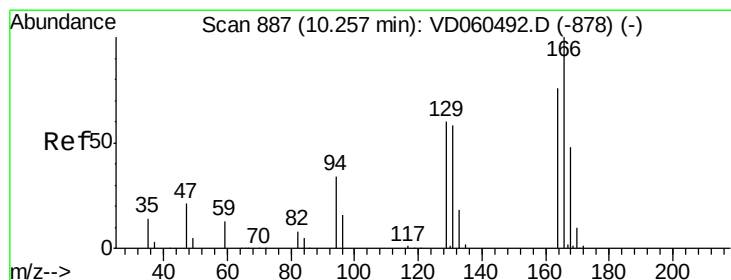
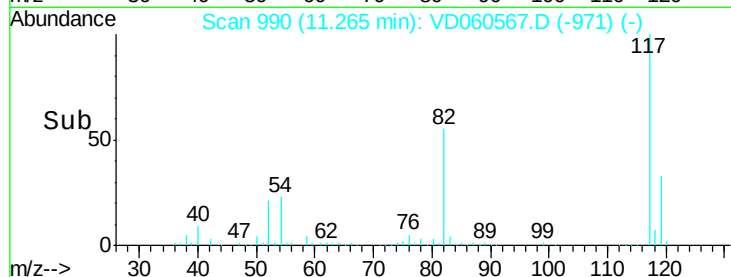
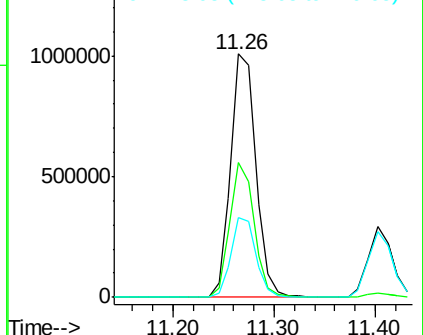
Tgt Ion:117 Resp: 1751420  
Ion Ratio Lower Upper  
117 100  
82 55.4 45.2 67.8  
119 32.5 26.1 39.1

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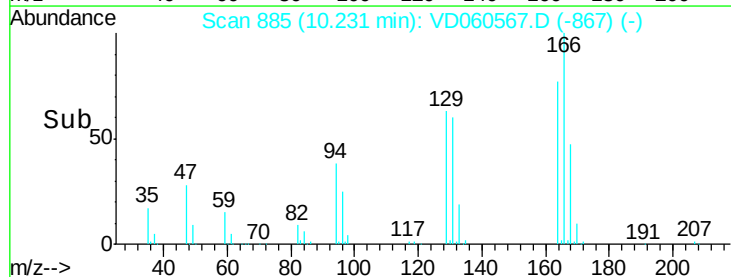
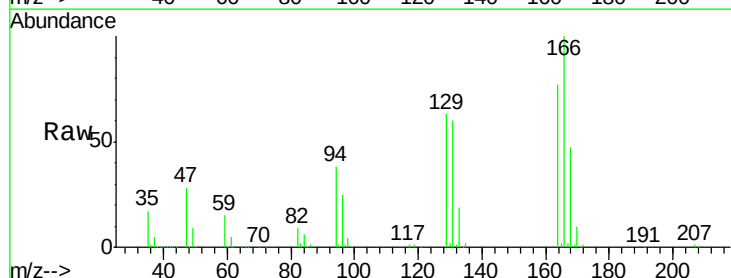
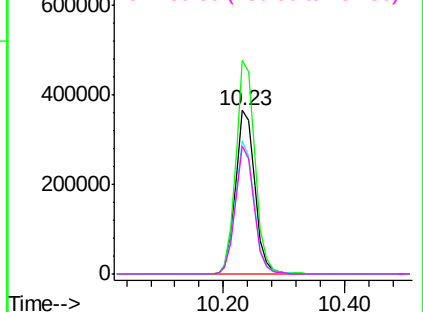
Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

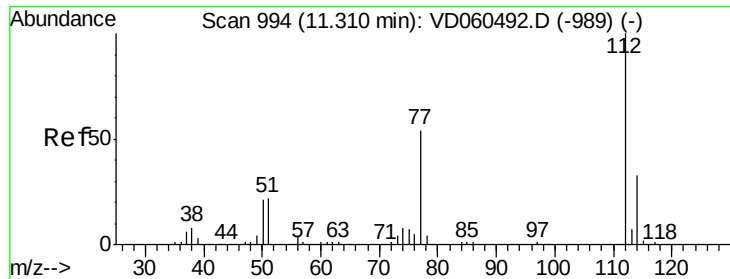


#64  
Tetrachloroethene  
Concen: 51.945 ug/l  
RT: 10.23 min Scan# 885  
Delta R.T. -0.03 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion:164 Resp: 805593  
Ion Ratio Lower Upper  
164 100  
166 130.6 105.0 157.6  
129 81.7 63.0 94.4  
131 77.9 60.6 90.8

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





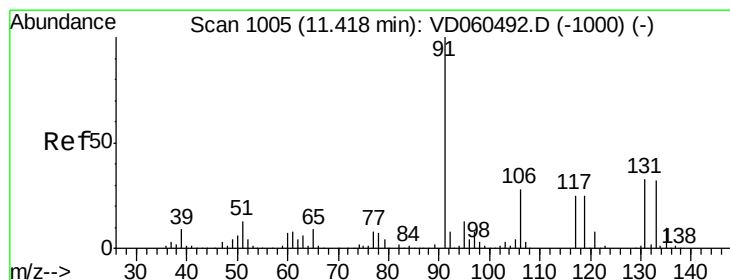
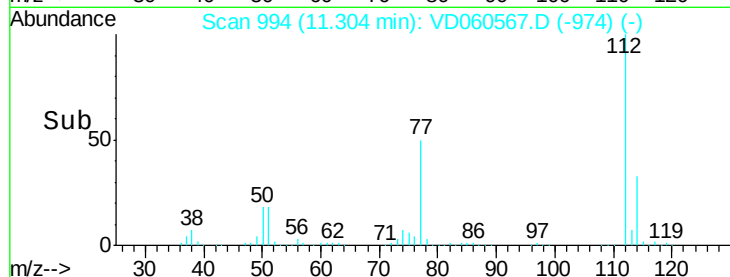
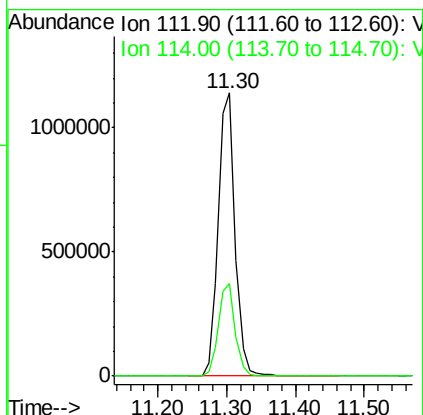
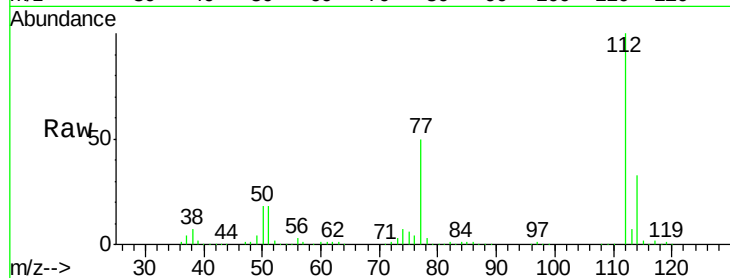
#65  
Chlorobenzene  
Concen: 52.121 ug/l  
RT: 11.30 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion:112 Resp: 1931199  
Ion Ratio Lower Upper  
112 100  
114 32.8 26.2 39.4

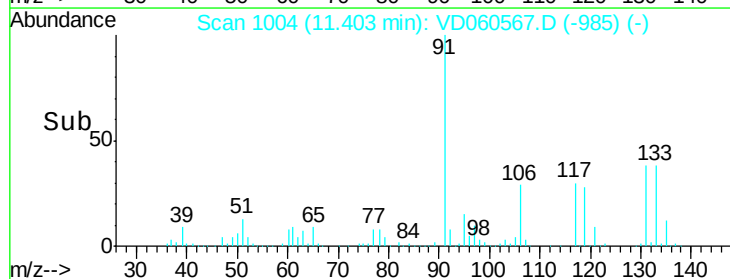
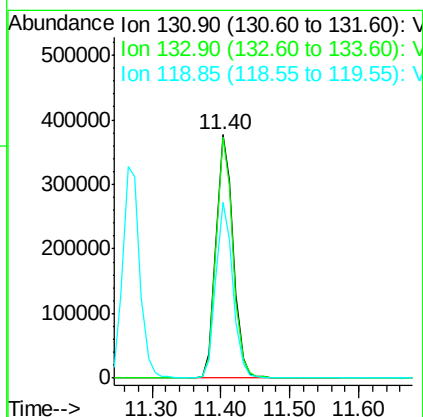
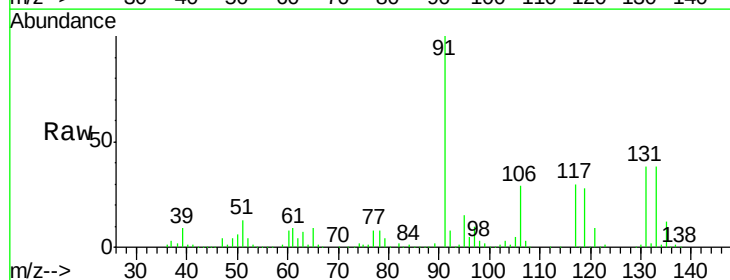
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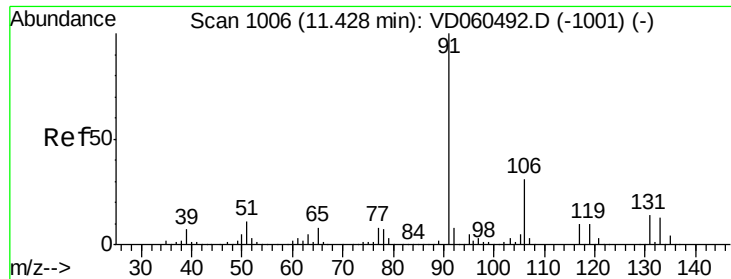
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.432 ug/l  
RT: 11.40 min Scan# 1004  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion:131 Resp: 650059  
Ion Ratio Lower Upper  
131 100  
133 99.0 49.1 147.3  
119 72.2 37.5 112.3





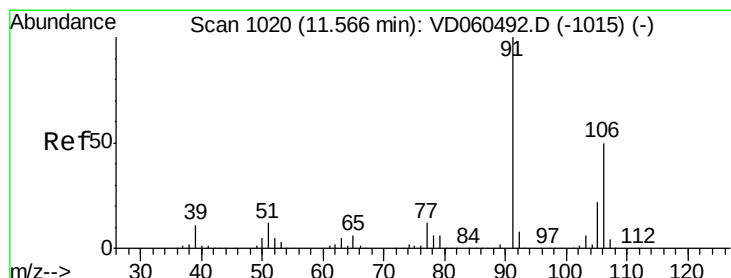
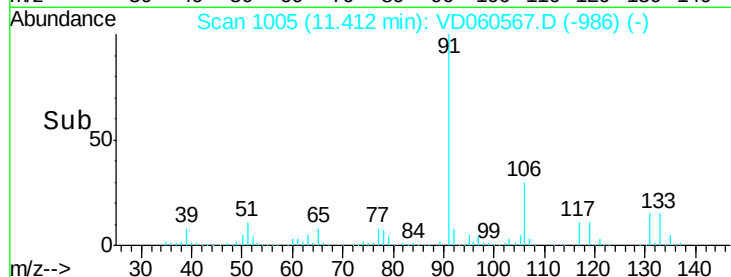
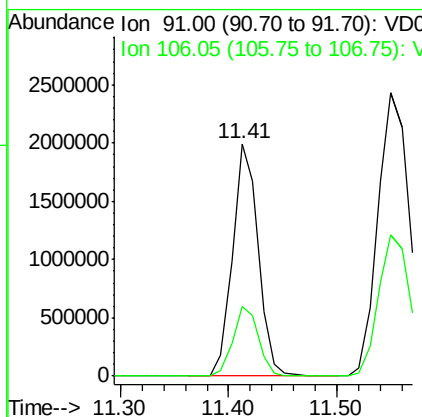
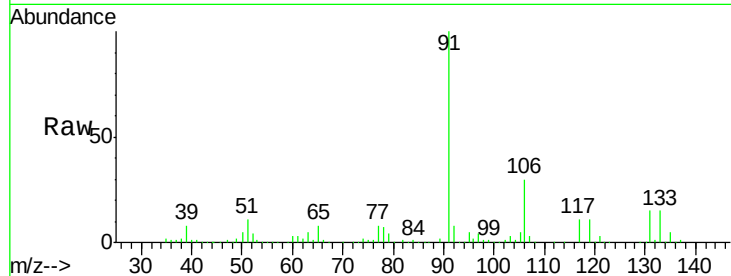
#67  
Ethyl Benzene  
Concen: 51.989 ug/l  
RT: 11.41 min Scan# 1005  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 3285721  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.6 37.0

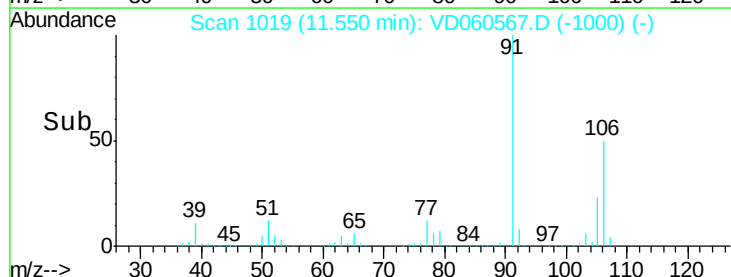
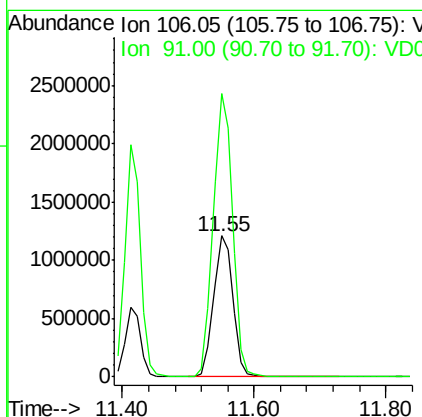
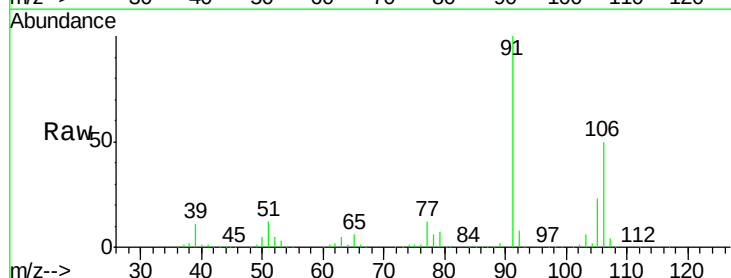
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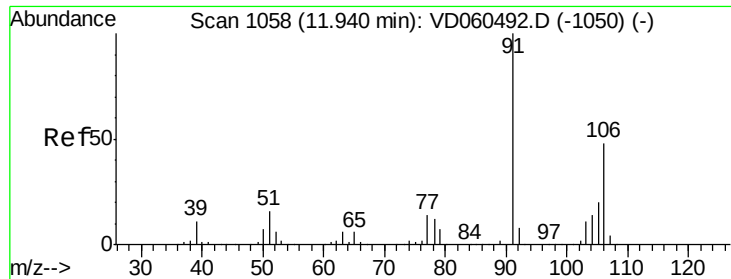
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#68  
m/p-Xylenes  
Concen: 103.916 ug/l  
RT: 11.55 min Scan# 1019  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 106 Resp: 2429692  
Ion Ratio Lower Upper  
106 100  
91 200.8 160.5 240.7





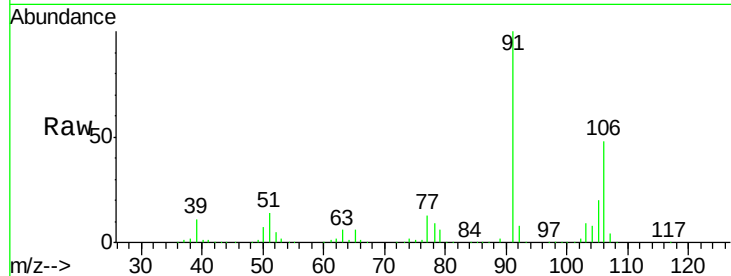
#69  
o-Xylene  
Concen: 52.334 ug/l  
RT: 11.92 min Scan# 1057  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

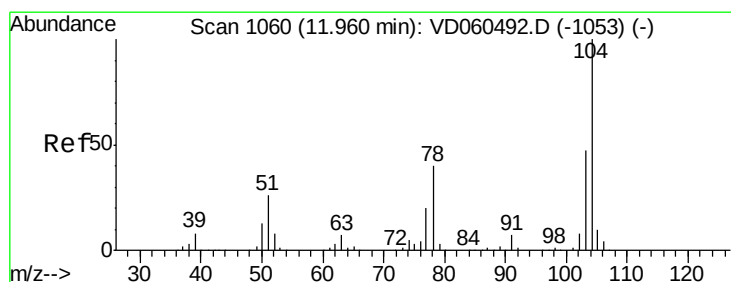
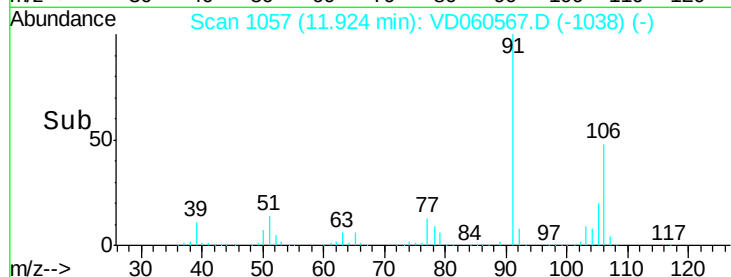
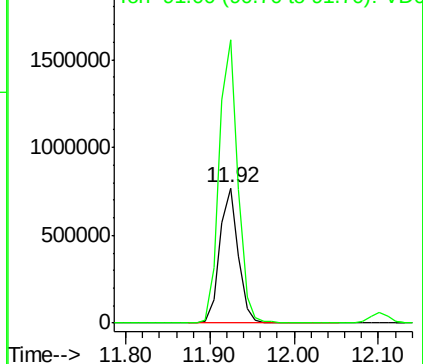
Tgt Ion:106 Resp: 1166139  
Ion Ratio Lower Upper  
106 100  
91 209.6 103.4 310.1

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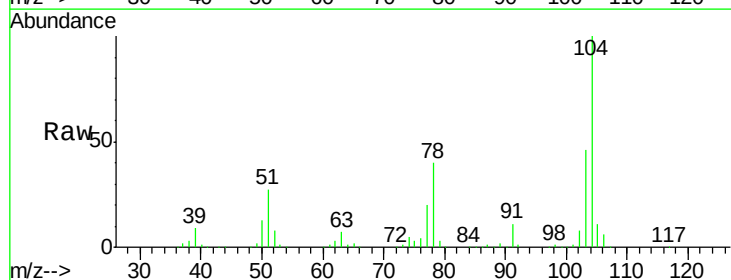


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

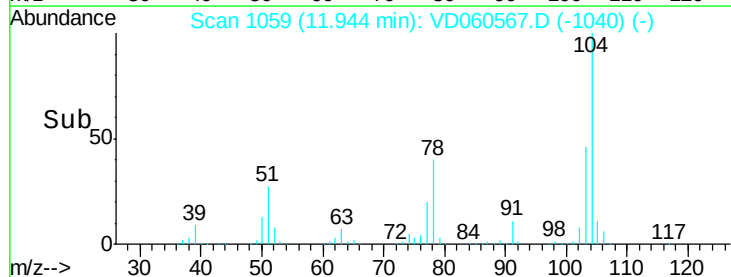
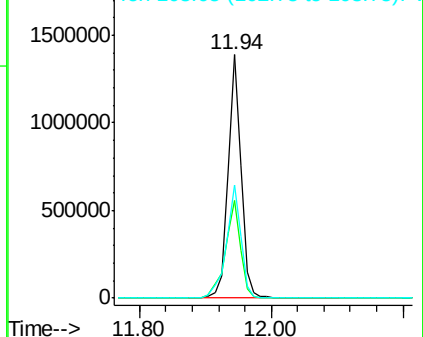


#70  
Styrene  
Concen: 53.589 ug/l  
RT: 11.94 min Scan# 1059  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

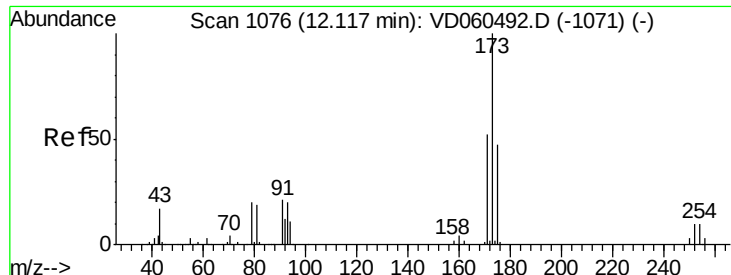
Tgt Ion:104 Resp: 1916651  
Ion Ratio Lower Upper  
104 100  
78 40.1 32.1 48.1  
103 46.4 37.2 55.8



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







#71

Bromoform

Concen: 54.179 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

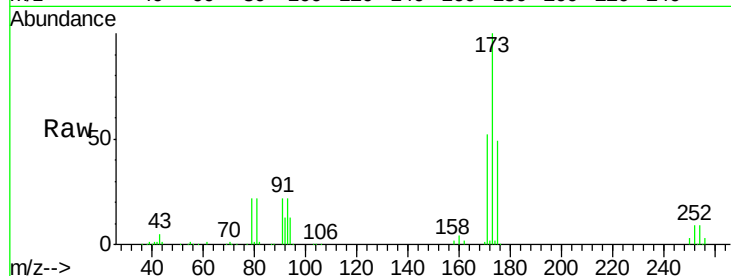
ClientSampleId :

VSTDCCC050

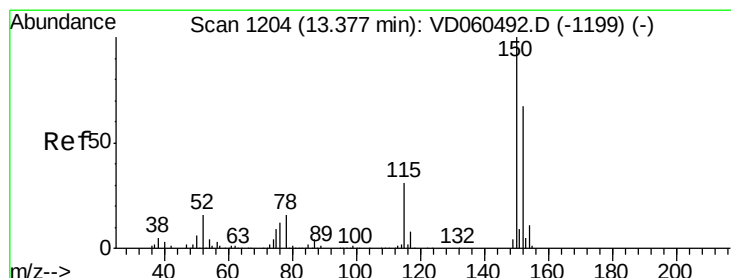
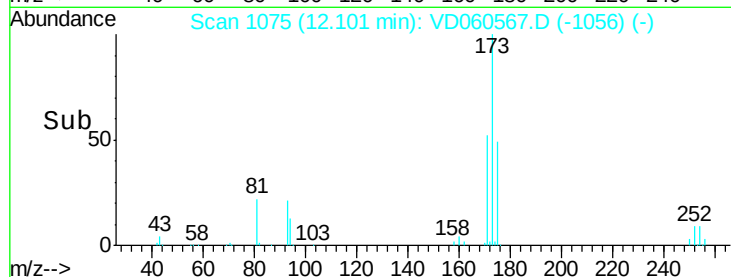
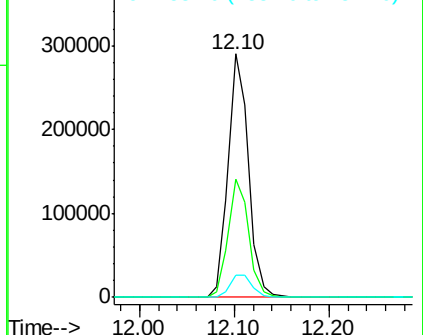
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 173   | Resp: | 431677 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.6  | 23.5  | 70.6   |
| 254       | 9.0   | 7.8   | 11.8   |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

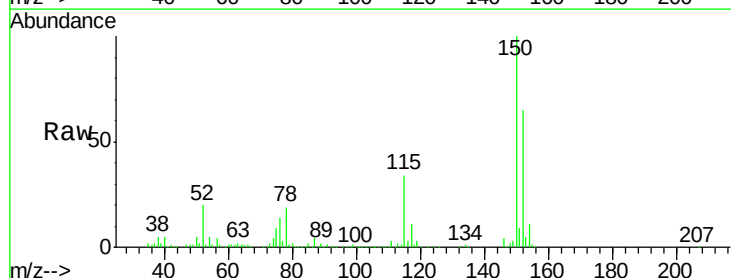
RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

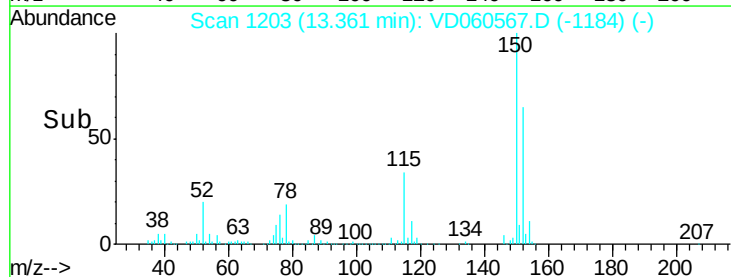
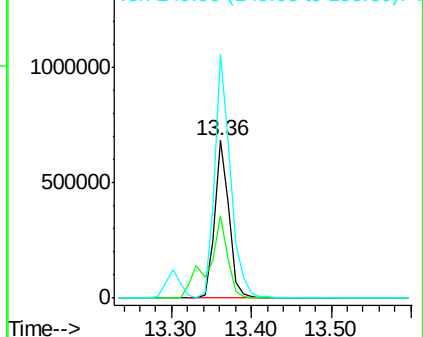
Lab File: VD060567.D

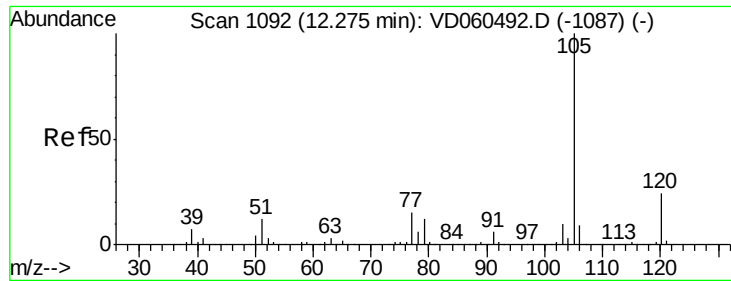
Acq: 14 Dec 2018 12:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 864853 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 52.0  | 24.6  | 74.0   |
| 150       | 154.7 | 0.0   | 309.0  |



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: 53.575 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3278804

Ion Ratio Lower Upper

105 100

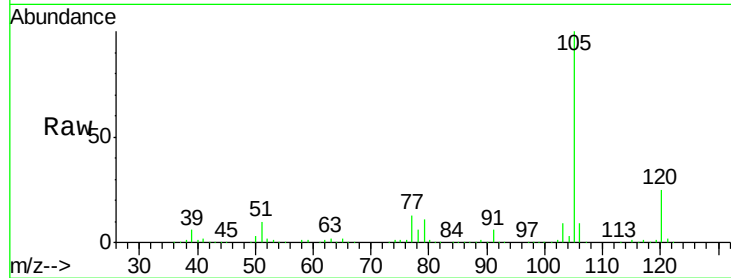
120 24.8 11.9 35.9

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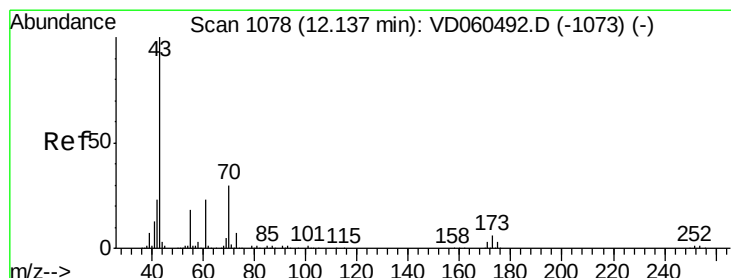
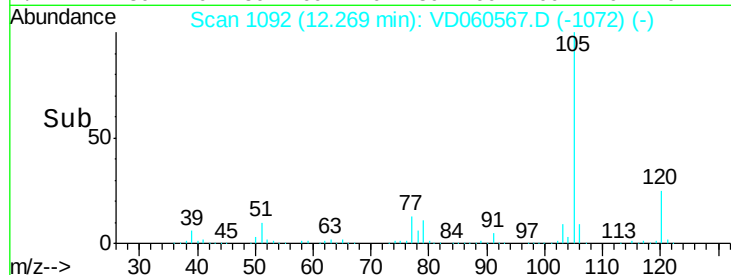
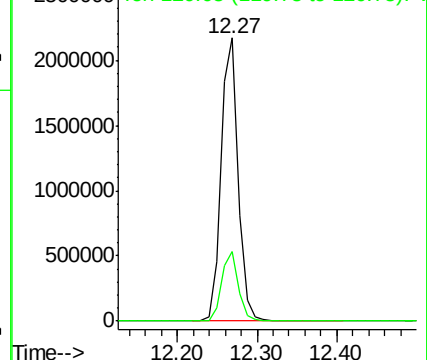
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 54.516 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Tgt Ion: 43 Resp: 806348

Ion Ratio Lower Upper

43 100

70 27.1 23.8 35.8

55 17.4 14.2 21.2

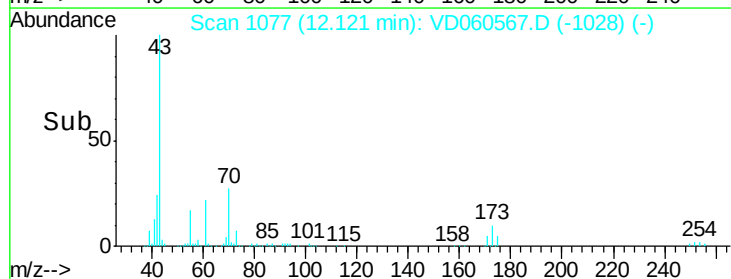
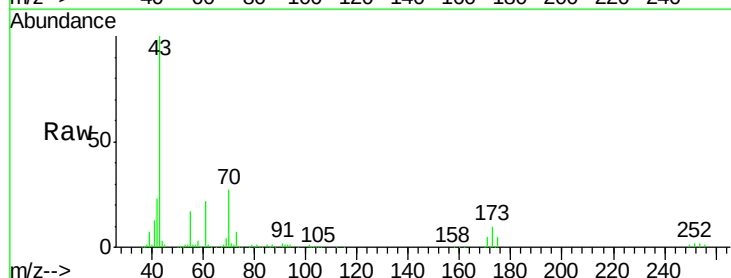
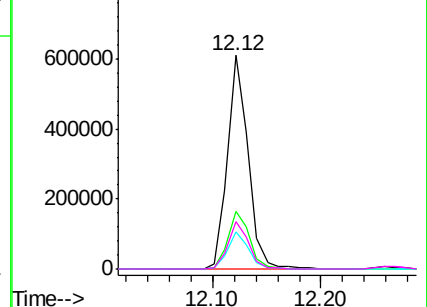
61 22.2 18.1 27.1

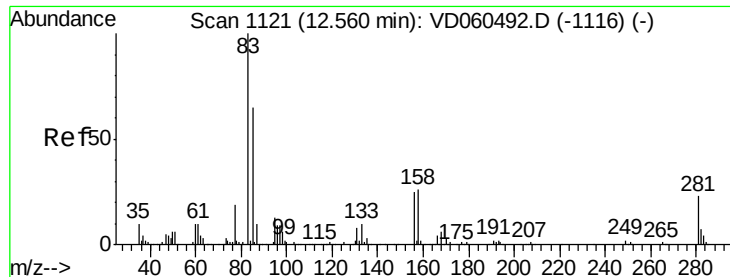
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.737 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 526494

Ion Ratio Lower Upper

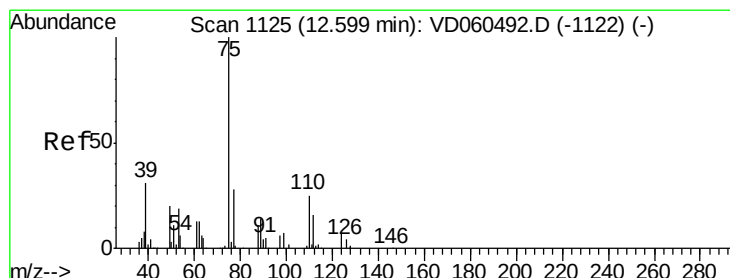
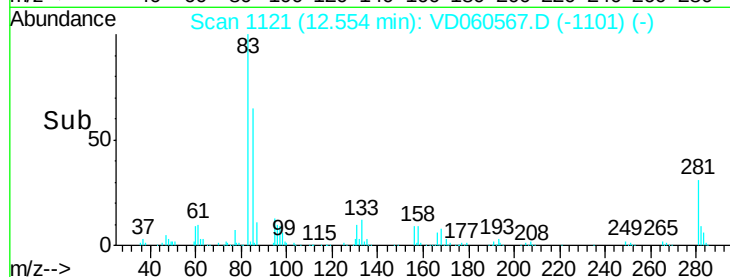
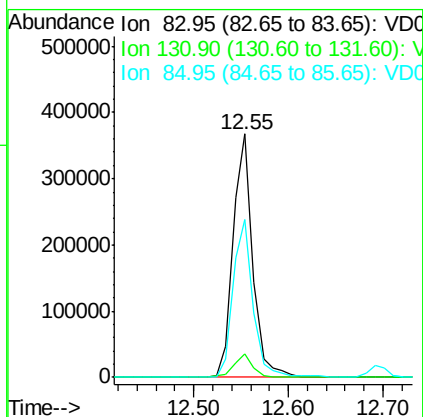
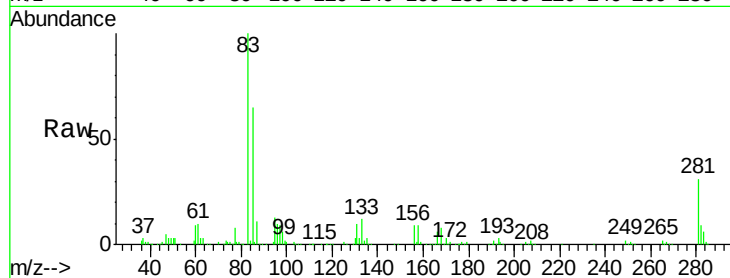
83 100

131 9.5 3.8 11.4

85 64.8 32.3 96.9

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#76

1,2,3-Trichloropropane

Concen: 54.560 ug/l

RT: 12.58 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VD060567.D

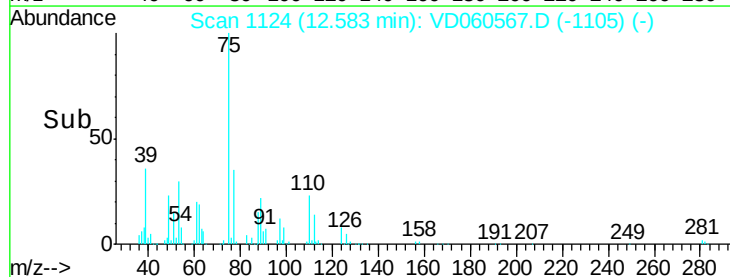
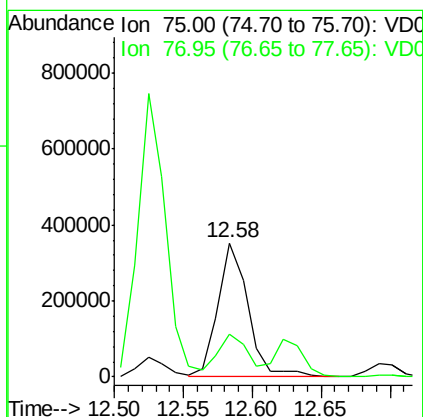
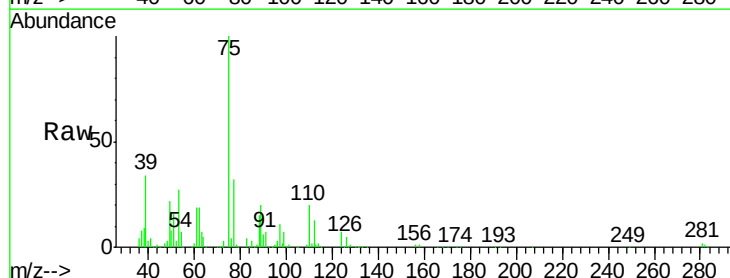
Acq: 14 Dec 2018 12:00

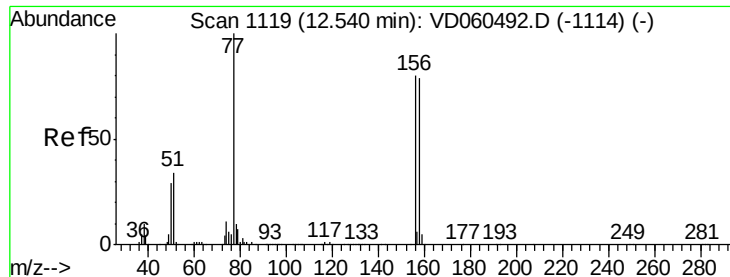
Tgt Ion: 75 Resp: 534646

Ion Ratio Lower Upper

75 100

77 32.3 16.4 49.4





#77

Bromobenzene

Concen: 54.092 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

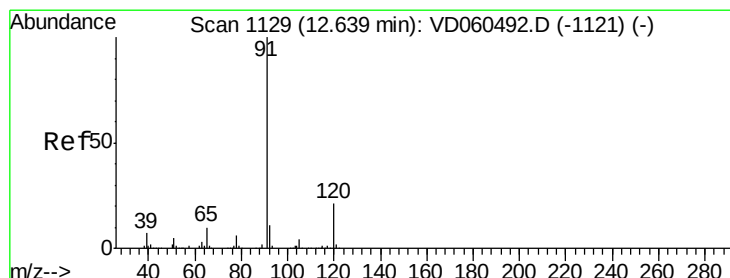
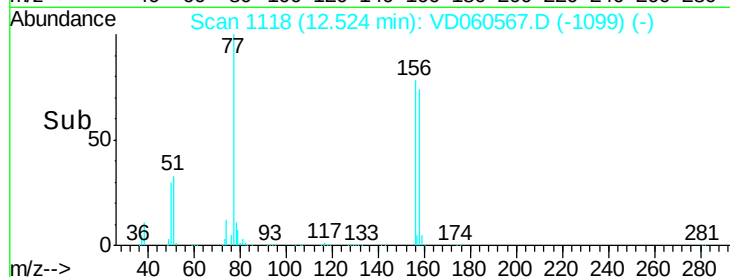
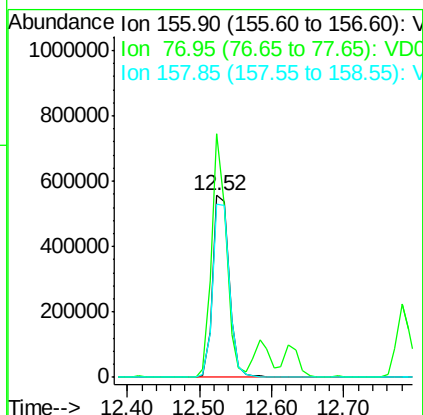
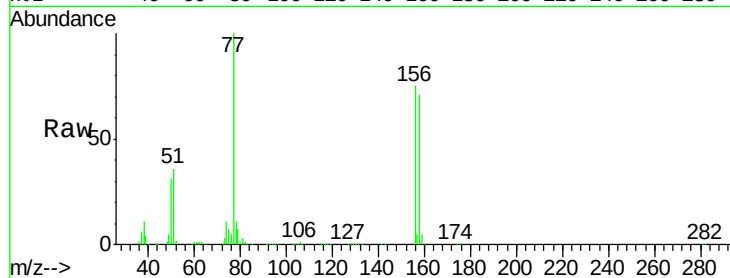
ClientSampleId :

VSTDCCC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 134.0 | 62.5  | 187.6 |
| 158     | 95.6  | 49.4  | 148.2 |

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#78

n-propylbenzene

Concen: 51.852 ug/l

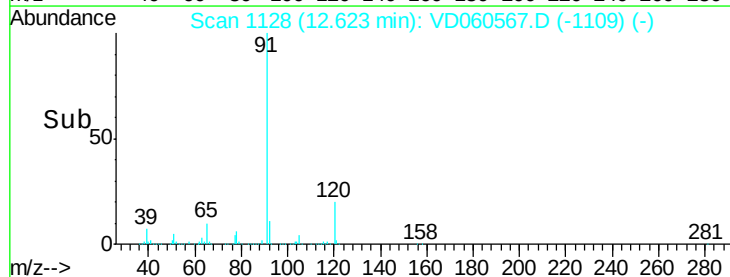
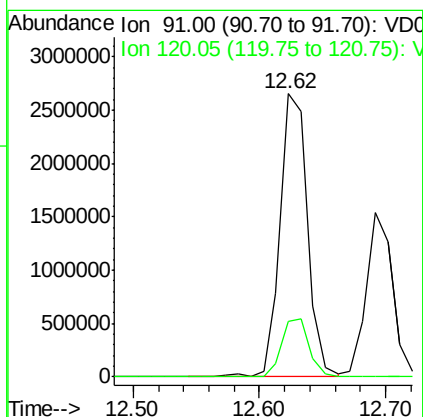
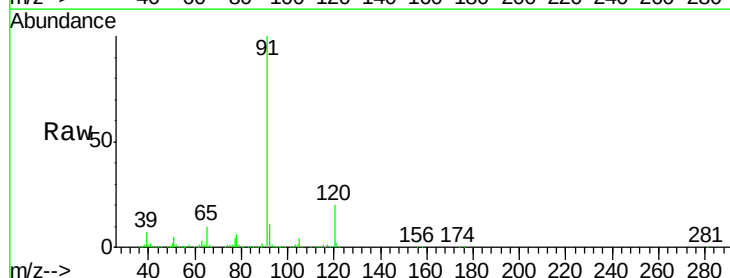
RT: 12.62 min Scan# 1128

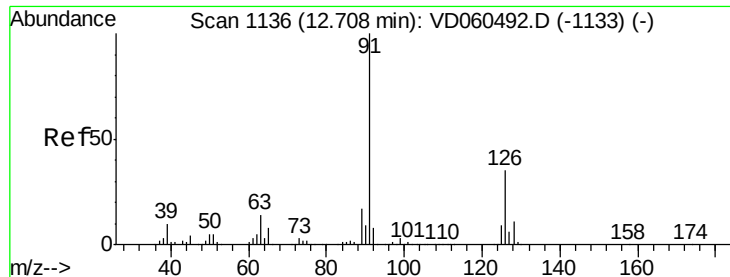
Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 19.6  | 10.4  | 31.1  |





#79

2-Chlorotoluene

Concen: 52.682 ug/l

RT: 12.69 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2211572

Ion Ratio Lower Upper

91 100

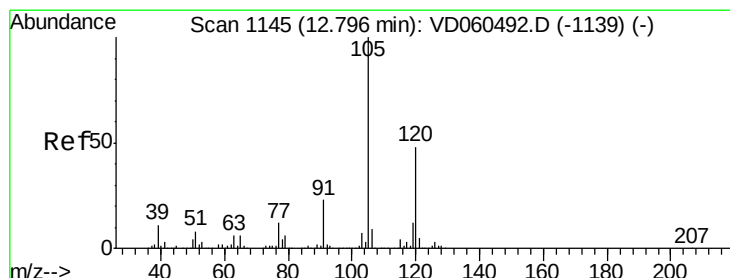
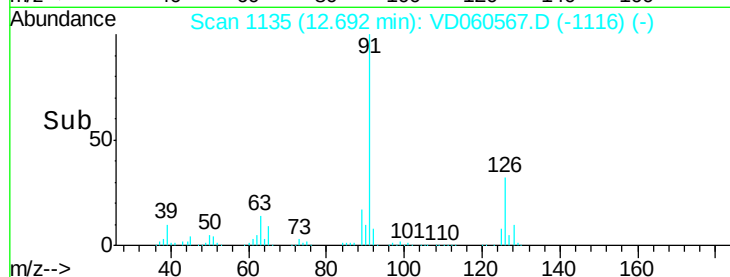
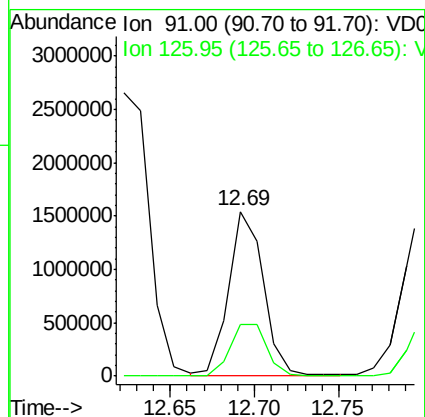
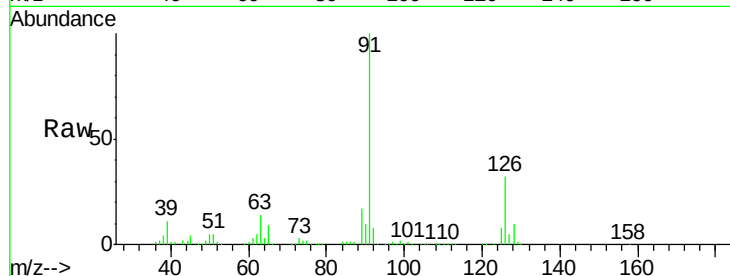
126 31.7 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 52.643 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. -0.02 min

Lab File: VD060567.D

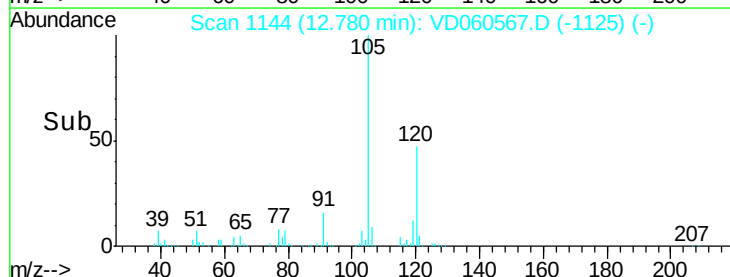
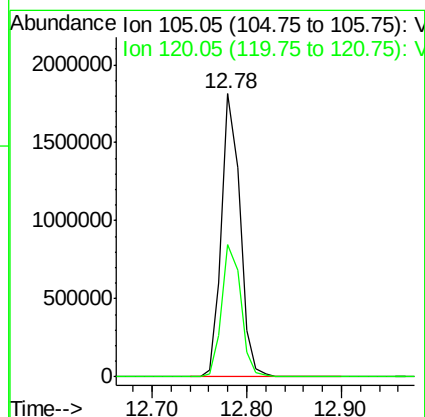
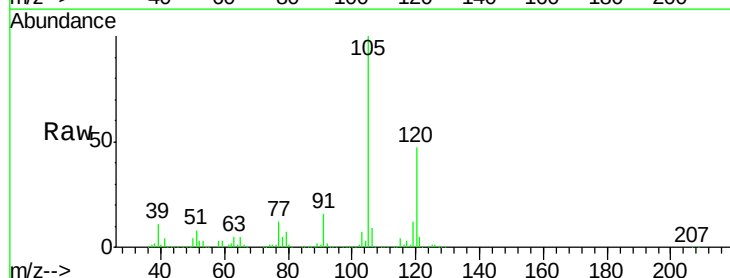
Acq: 14 Dec 2018 12:00

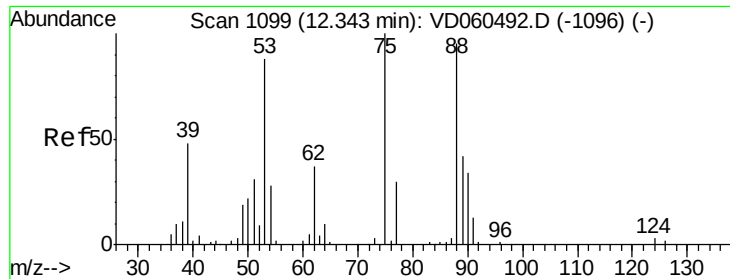
Tgt Ion: 105 Resp: 2461825

Ion Ratio Lower Upper

105 100

120 46.7 24.2 72.6





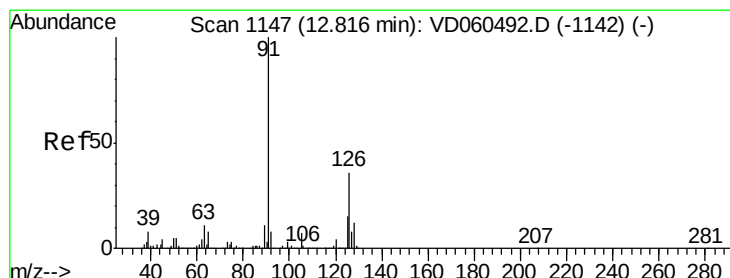
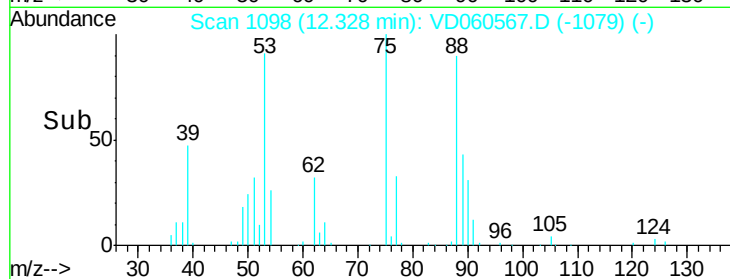
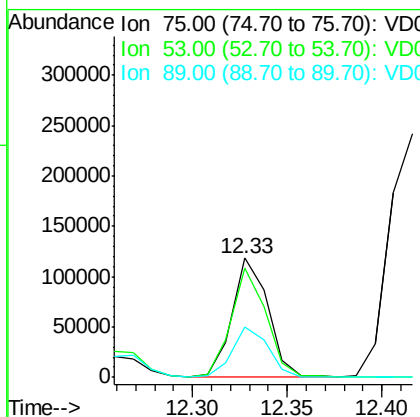
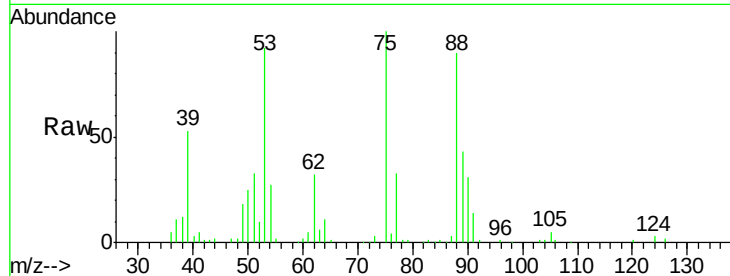
#81  
trans-1,4-Dichloro-2-butene  
Concen: 56.948 ug/l  
RT: 12.33 min Scan# 1098  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 155643  
Ion Ratio Lower Upper  
75 100  
53 91.8 70.5 105.7  
89 42.8 33.6 50.4

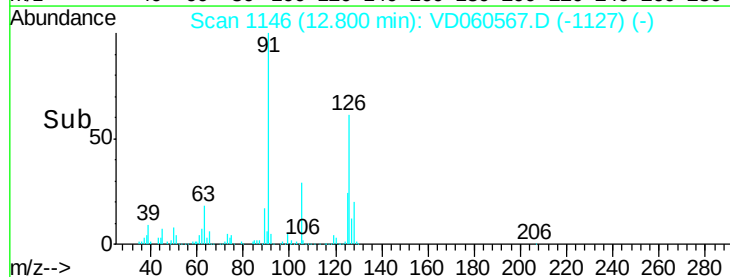
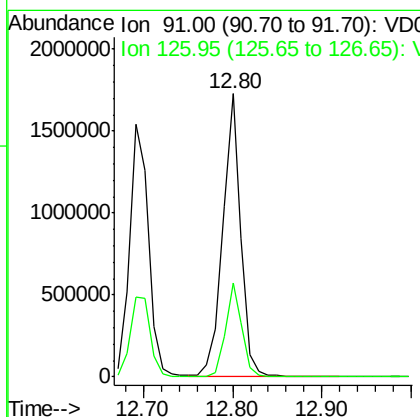
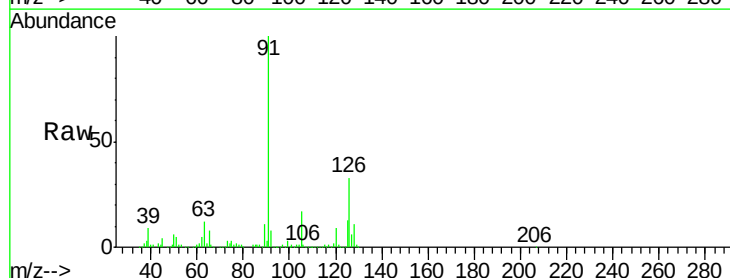
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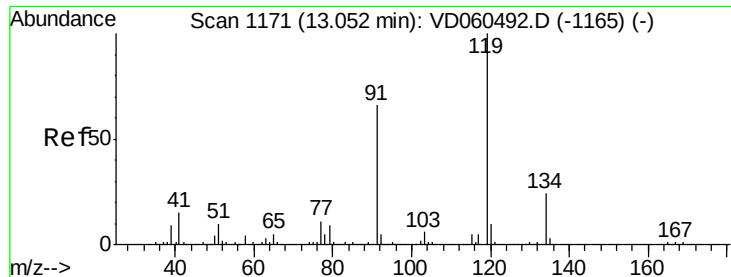
apatel  
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#82  
4-Chlorotoluene  
Concen: 52.328 ug/l  
RT: 12.80 min Scan# 1146  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 91 Resp: 2467244  
Ion Ratio Lower Upper  
91 100  
126 33.3 17.8 53.4





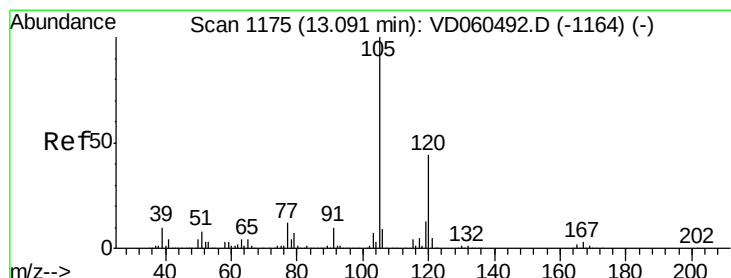
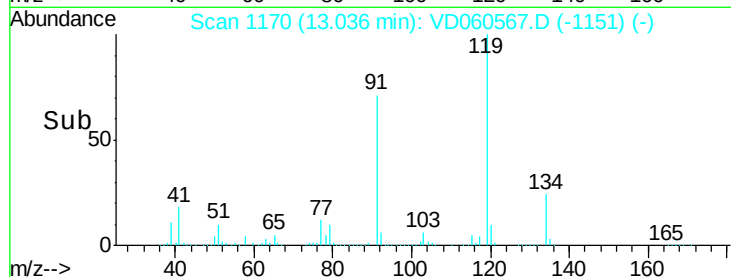
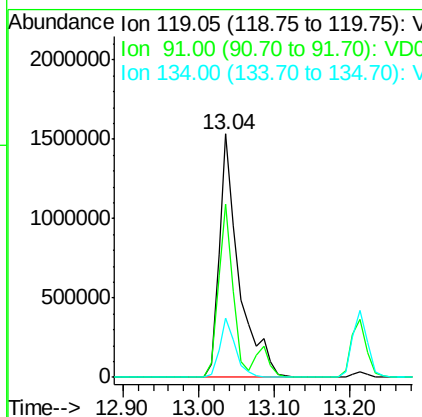
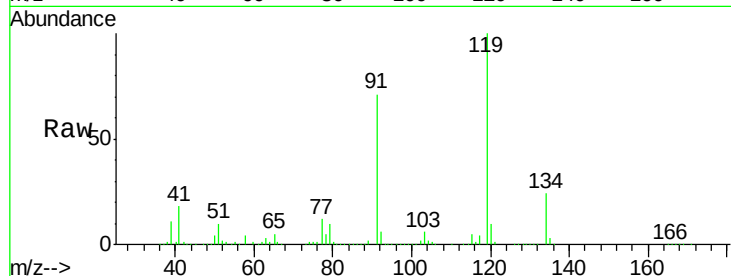
#83  
 tert-Butylbenzene  
 Concen: 53.592 ug/l  
 RT: 13.04 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:119 Resp: 2810003  
 Ion Ratio Lower Upper  
 119 100  
 91 71.2 33.1 99.2  
 134 24.2 12.0 36.0

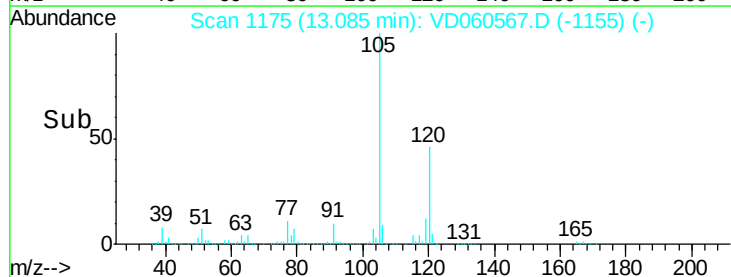
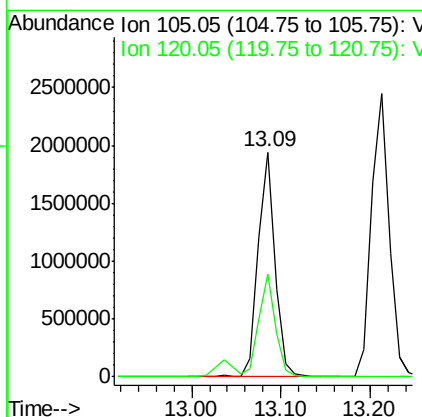
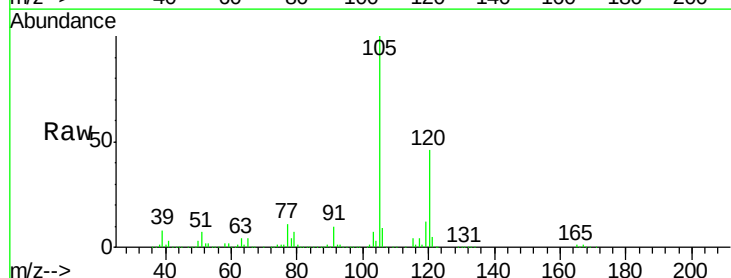
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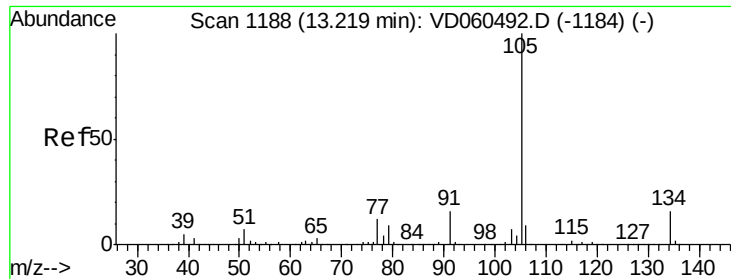
apatel  
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.025 ug/l  
 RT: 13.09 min Scan# 1175  
 Delta R.T. -0.01 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Tgt Ion:105 Resp: 2519117  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 51.378 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 3357623

Ion Ratio Lower Upper

105 100

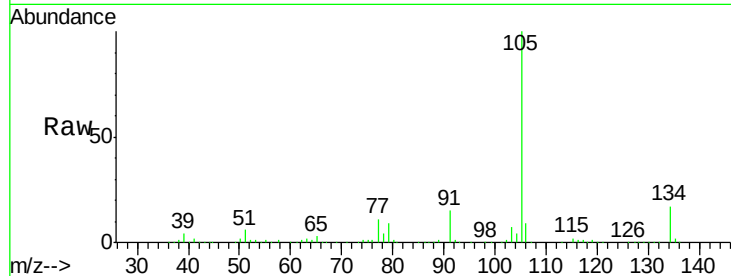
134 17.2 7.9 23.7

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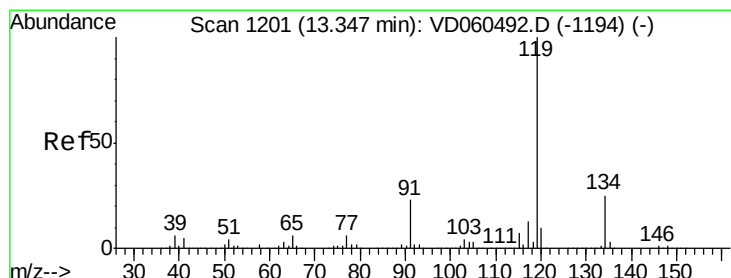
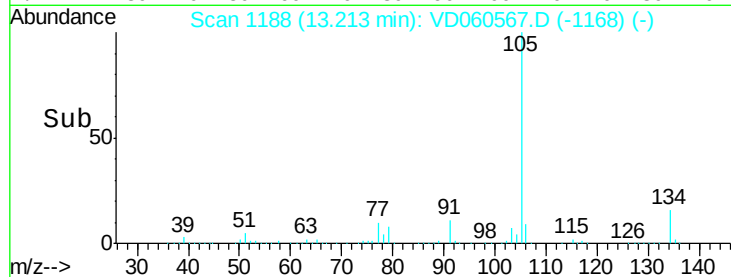
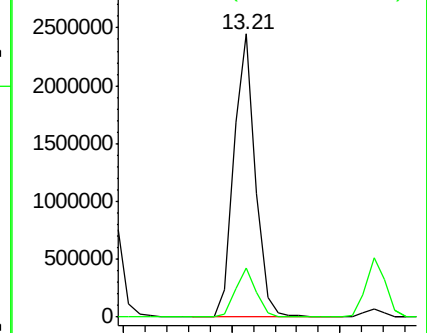
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 50.288 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VD060567.D

Acq: 14 Dec 2018 12:00

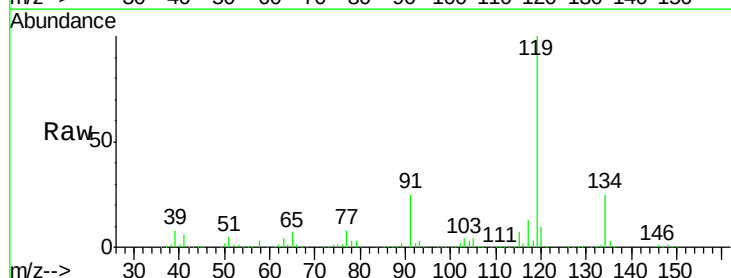
Tgt Ion:119 Resp: 2605184

Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

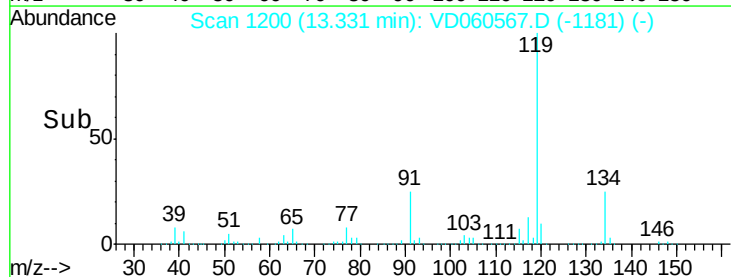
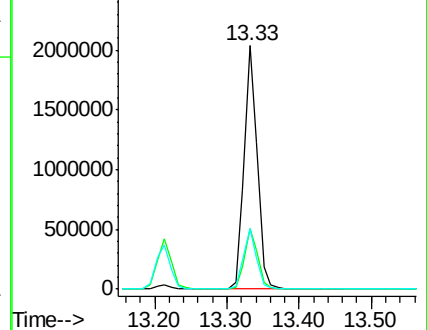
91 24.7 11.5 34.4



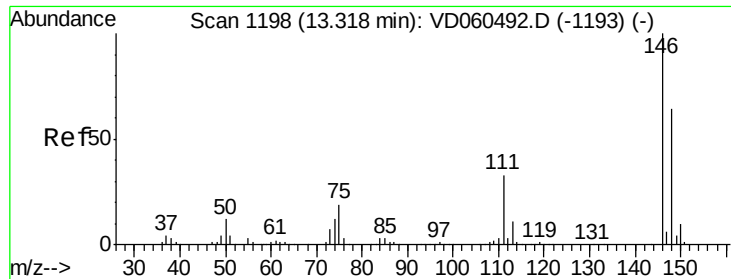
Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V







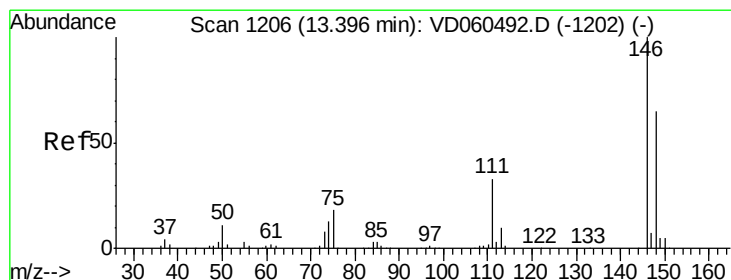
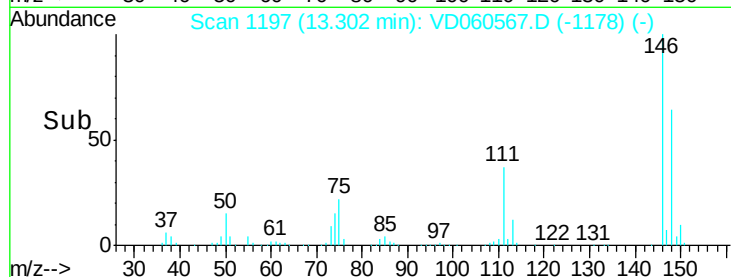
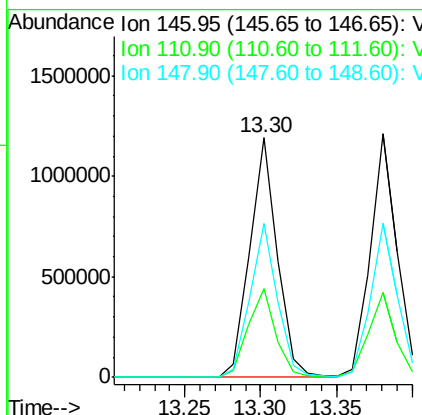
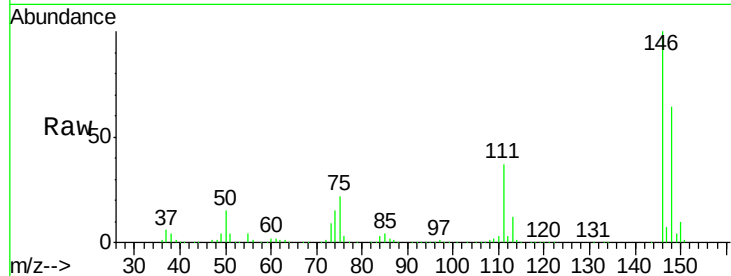
#87  
 1,3-Dichlorobenzene  
 Concen: 51.740 ug/l  
 RT: 13.30 min Scan# 1197  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion:146 Resp: 1507003  
 Ion Ratio Lower Upper  
 146 100  
 111 37.0 16.5 49.5  
 148 64.2 32.3 96.8

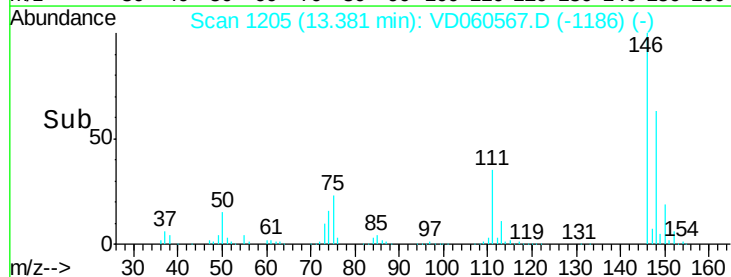
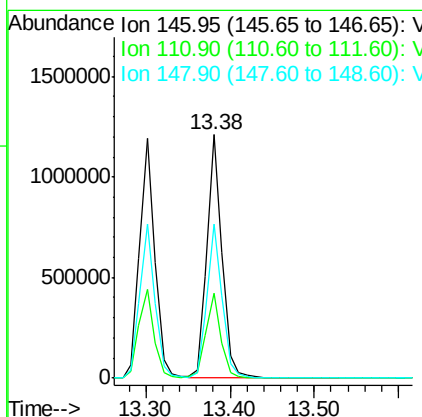
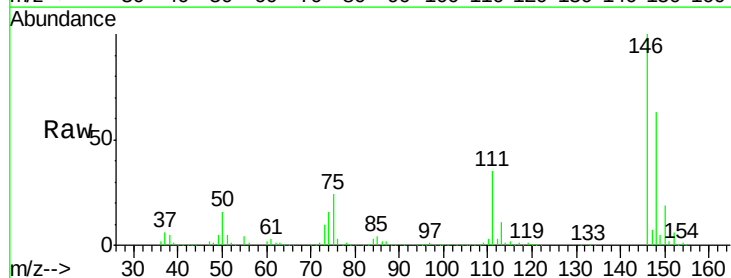
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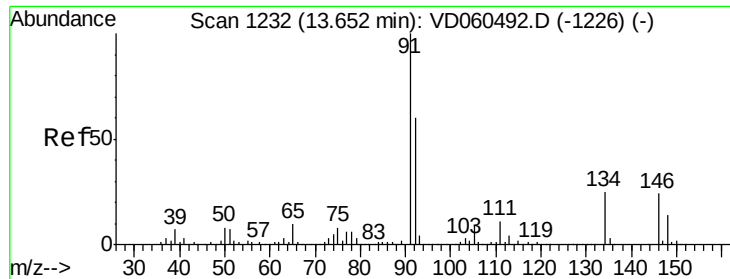
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#88  
 1,4-Dichlorobenzene  
 Concen: 52.738 ug/l  
 RT: 13.38 min Scan# 1205  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Tgt Ion:146 Resp: 1506920  
 Ion Ratio Lower Upper  
 146 100  
 111 35.0 16.4 49.1  
 148 63.4 32.6 98.0





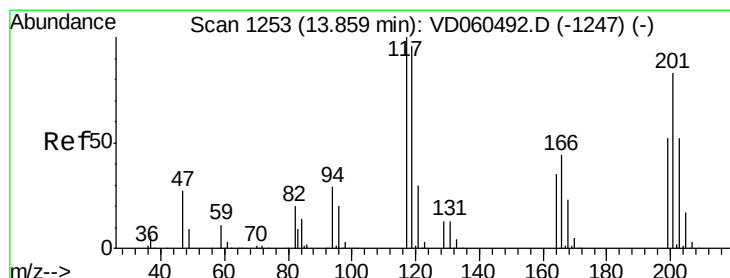
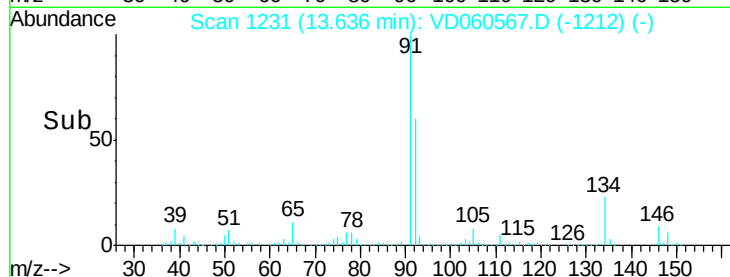
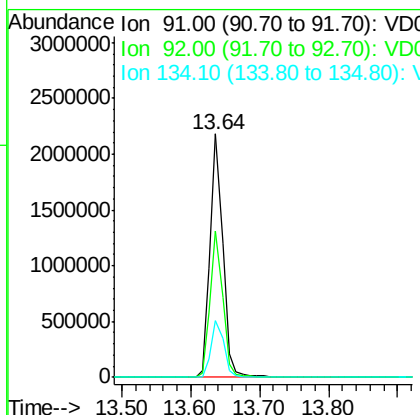
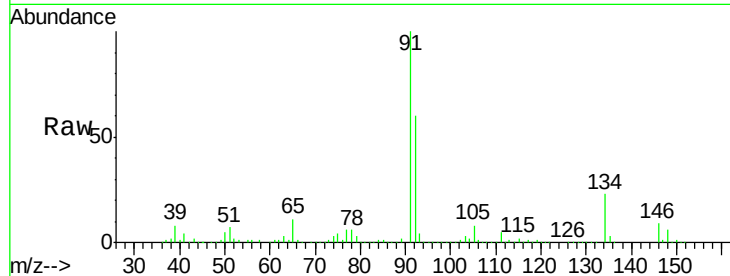
#89  
n-Butylbenzene  
Concen: 56.319 ug/l  
RT: 13.64 min Scan# 1231  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 2816763  
Ion Ratio Lower Upper  
91 100  
92 60.2 30.0 90.1  
134 23.3 12.5 37.5

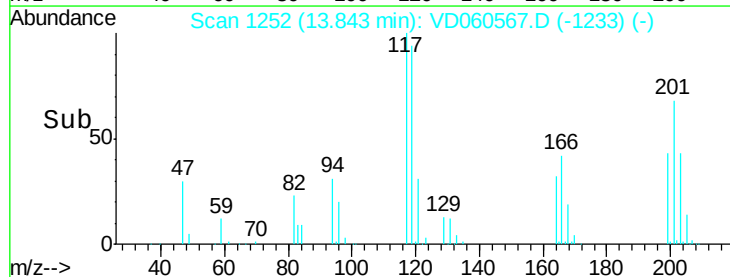
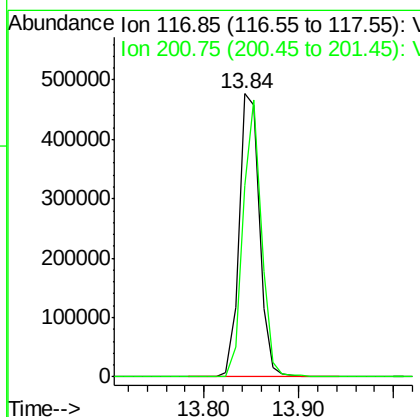
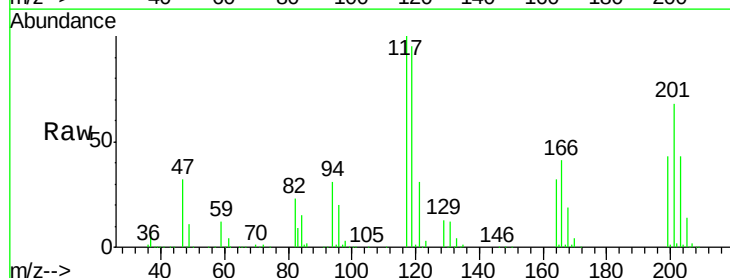
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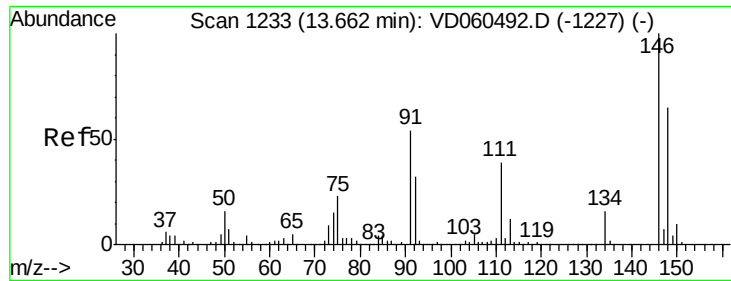
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#90  
Hexachloroethane  
Concen: 54.709 ug/l  
RT: 13.84 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion: 117 Resp: 710611  
Ion Ratio Lower Upper  
117 100  
201 67.6 41.3 123.9





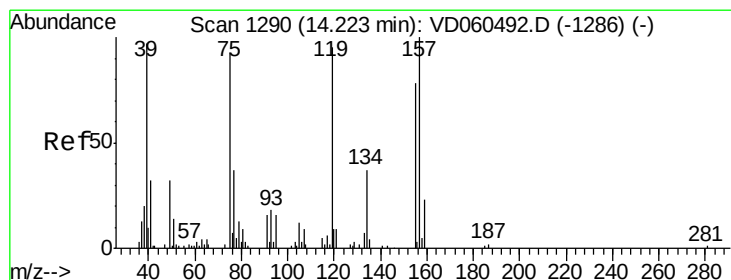
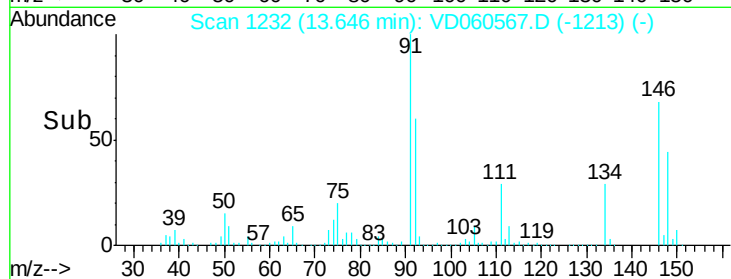
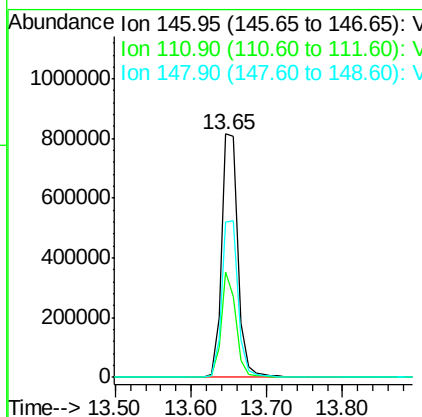
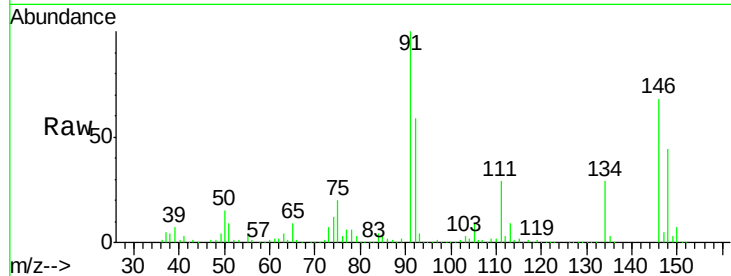
#91  
 1,2-Dichlorobenzene  
 Concen: 51.878 ug/l  
 RT: 13.65 min Scan# 1232  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 146 Resp: 1234849  
 Ion Ratio Lower Upper  
 146 100  
 111 43.2 19.3 57.8  
 148 64.0 32.3 96.8

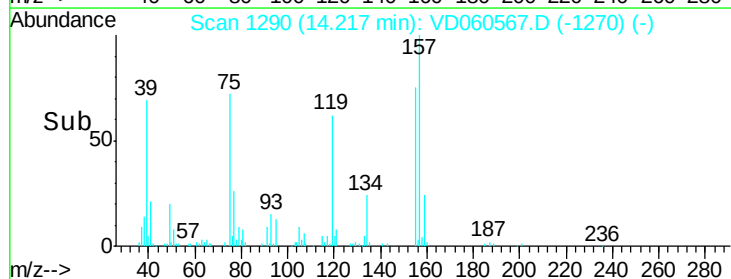
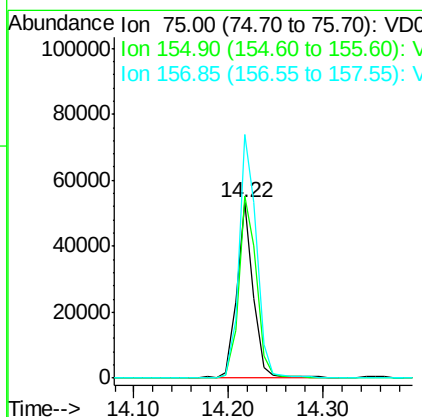
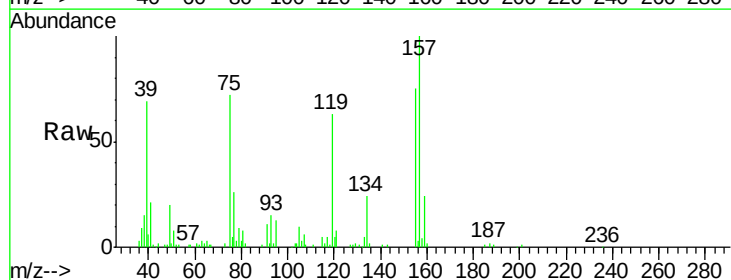
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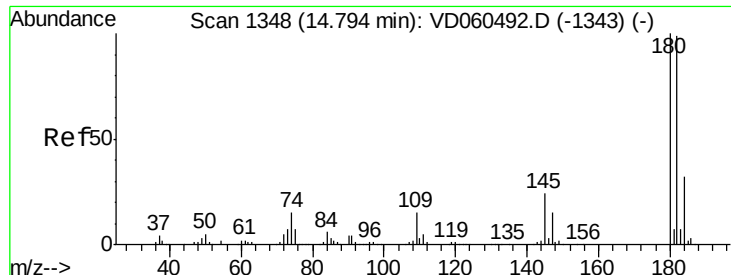
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 54.365 ug/l  
 RT: 14.22 min Scan# 1290  
 Delta R.T. -0.01 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Tgt Ion: 75 Resp: 64540  
 Ion Ratio Lower Upper  
 75 100  
 155 104.0 41.6 124.9  
 157 138.6 53.6 160.8





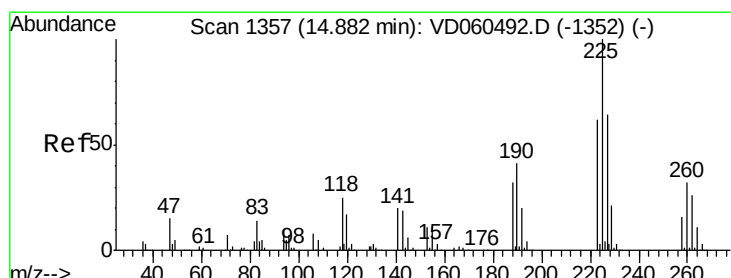
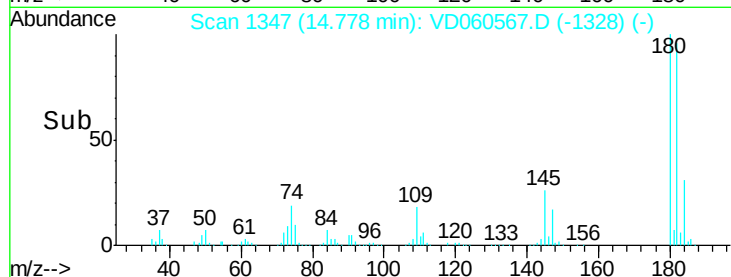
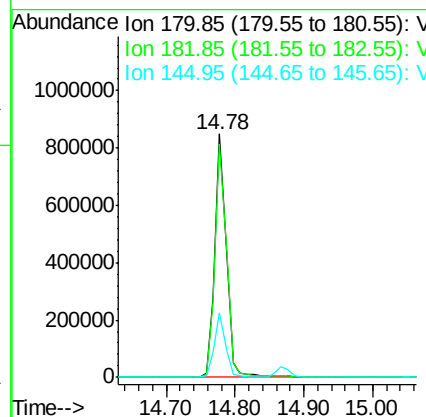
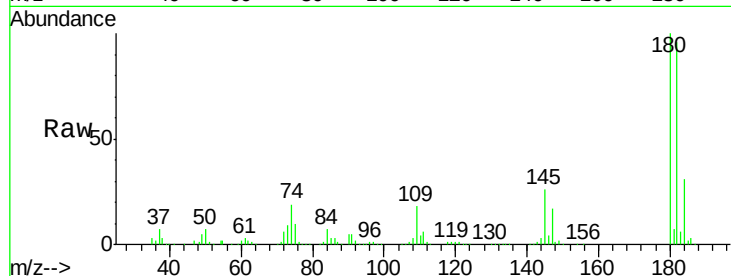
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.647 ug/l  
 RT: 14.78 min Scan# 1347  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 998234 |       |       |
| 182     | 96.1  | 49.4   | 148.0 |       |
| 145     | 26.5  | 11.9   | 35.9  |       |

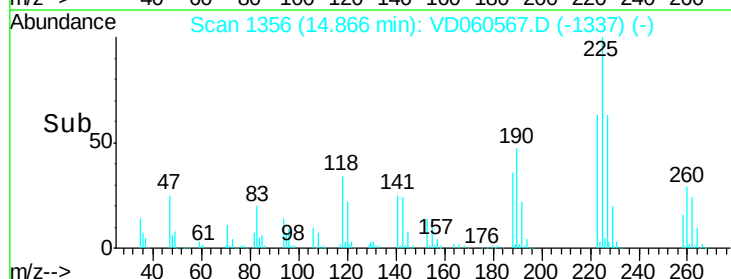
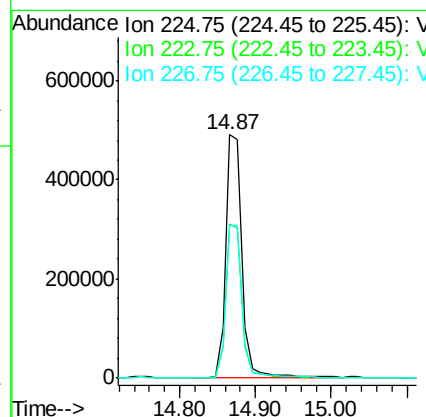
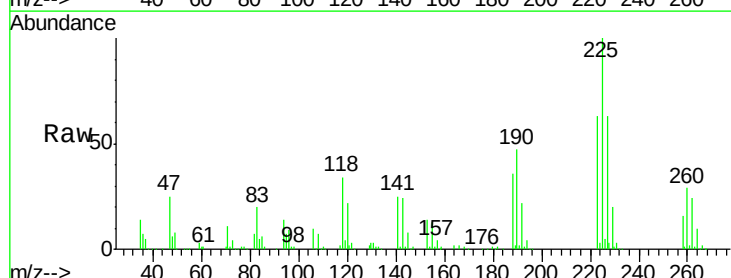
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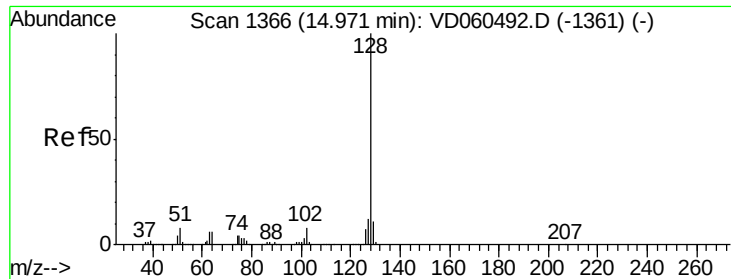
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#94  
 Hexachlorobutadiene  
 Concen: 54.108 ug/l  
 RT: 14.87 min Scan# 1356  
 Delta R.T. -0.02 min  
 Lab File: VD060567.D  
 Acq: 14 Dec 2018 12:00

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 742838 |       |       |
| 223     | 63.3  | 31.2   | 93.6  |       |
| 227     | 62.6  | 32.0   | 96.0  |       |





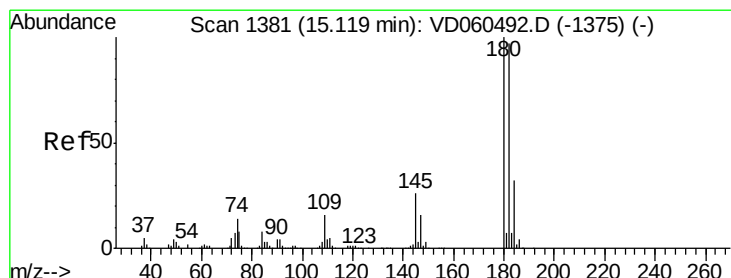
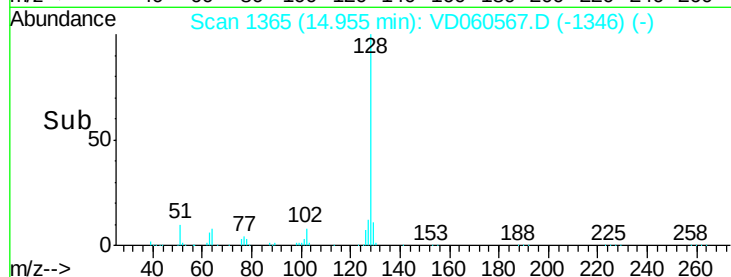
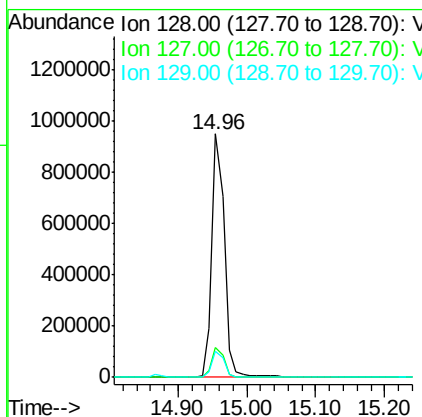
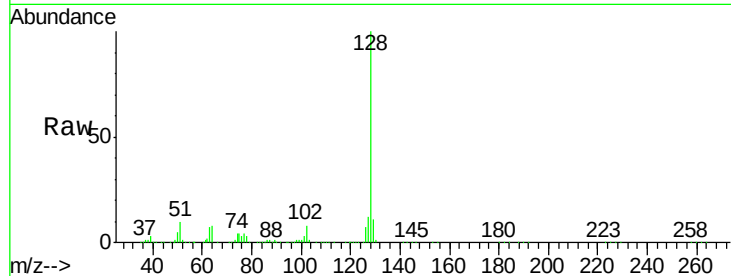
#95  
Naphthalene  
Concen: 54.906 ug/l  
RT: 14.96 min Scan# 1365  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 1215414  
Ion Ratio Lower Upper  
128 100  
127 12.0 9.8 14.8  
129 10.9 8.6 13.0

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#96  
1,2,3-Trichlorobenzene  
Concen: 54.614 ug/l  
RT: 15.10 min Scan# 1380  
Delta R.T. -0.02 min  
Lab File: VD060567.D  
Acq: 14 Dec 2018 12:00

Tgt Ion:180 Resp: 809736  
Ion Ratio Lower Upper  
180 100  
182 95.0 48.5 145.5  
145 27.3 12.9 38.7

