

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
 Data File : VW006747.D  
 Acq On : 07 Nov 2018 19:59  
 Operator : SY/AP  
 Sample : J5745-16  
 Misc : 5.01G/5ML/MSVOA W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 09 09:49:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

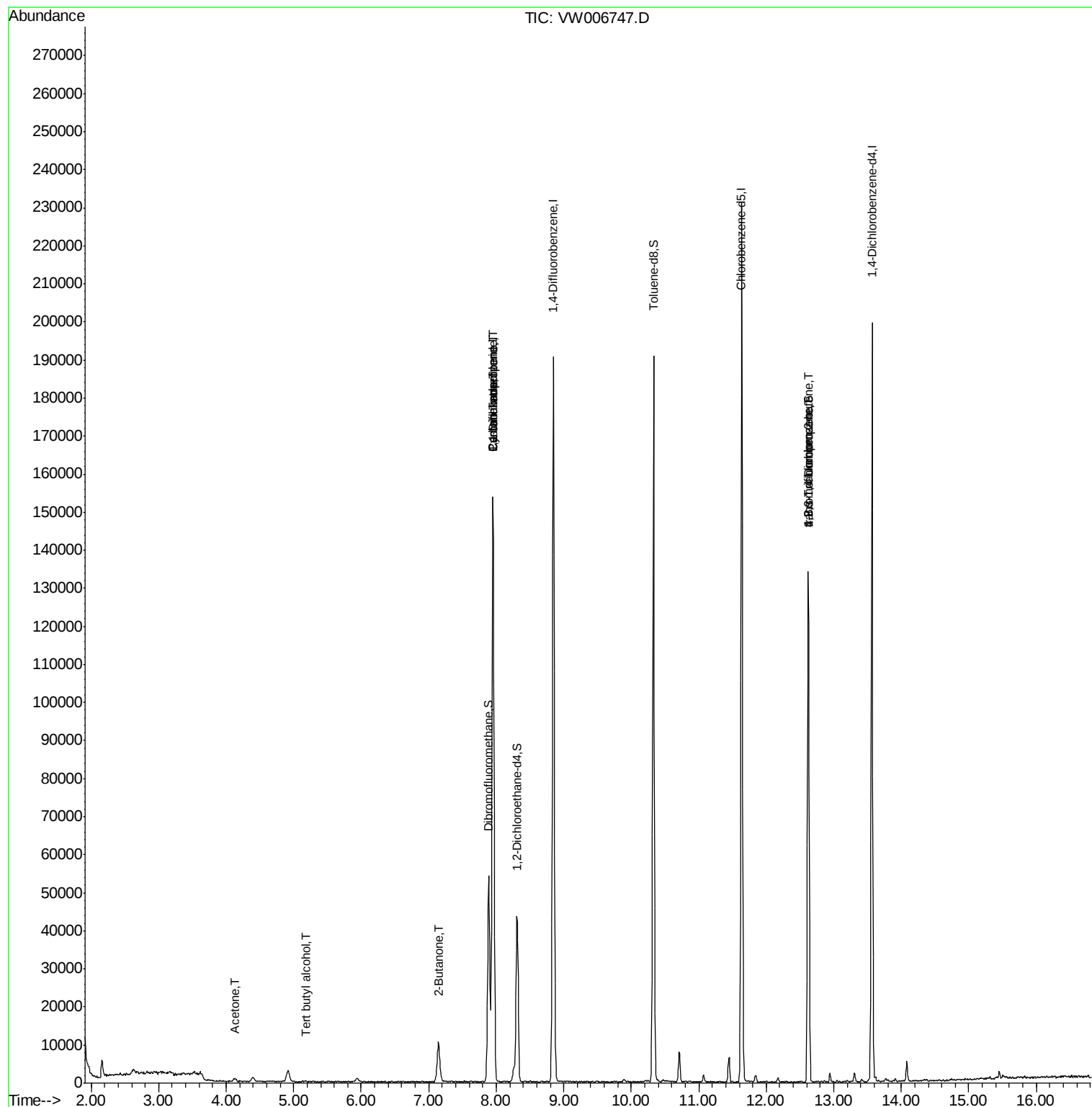
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|--------|----------|
| 1) Pentafluorobenzene          | 7.95   | 168  | 126949   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.85   | 114  | 170663   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.63  | 117  | 136565   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.57  | 152  | 56997    | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds    |        |      |          |           |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.31   | 65   | 34672    | 31.77     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 63.54% |          |
| 35) Dibromofluoromethane       | 7.88   | 113  | 38917    | 36.34     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 72.68% |          |
| 50) Toluene-d8                 | 10.33  | 98   | 133048   | 32.63     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 65.26% |          |
| 62) 4-Bromofluorobenzene       | 12.62  | 95   | 36813    | 24.90     | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 49.80% |          |
| Target Compounds               |        |      |          |           |        |          |
|                                |        |      |          |           | Qvalue |          |
| 11) Tert butyl alcohol         | 5.18   | 59   | 392      | 6.667     | ug/l # | 84       |
| 16) Acetone                    | 4.12   | 43   | 1316     | 7.470     | ug/l # | 37       |
| 20) Methylene Chloride         | 4.92   | 84   | 2705     | Below Cal |        | 87       |
| 25) 2-Butanone                 | 7.15   | 43   | 362      | 1.440     | ug/l # | 46       |
| 31) Cyclohexane                | 7.95   | 56   | 2151     | 1.238     | ug/l # | 32       |
| 36) 1,1-Dichloropropene        | 7.95   | 75   | 7776     | 5.181     | ug/l # | 49       |
| 38) Carbon Tetrachloride       | 7.95   | 117  | 10799    | 6.886     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane     | 12.62  | 75   | 18246    | 41.029    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.62  | 75   | 18246    | 103.261   | ug/l # | 11       |

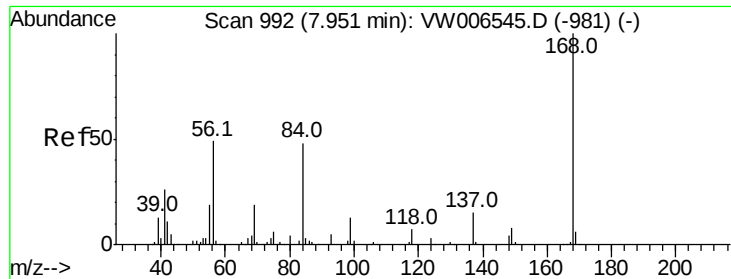
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110718\  
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Sample : J5745-16  
Misc : 5.01G/5ML/MSVOA W/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 09 09:49:51 2018  
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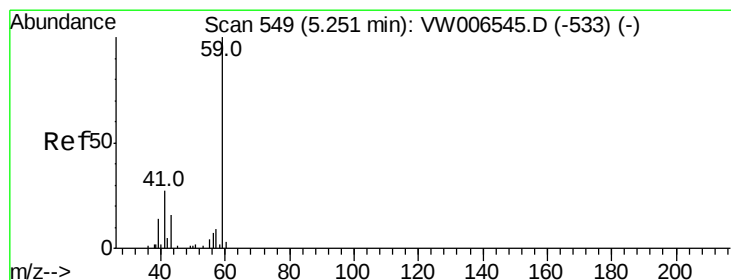
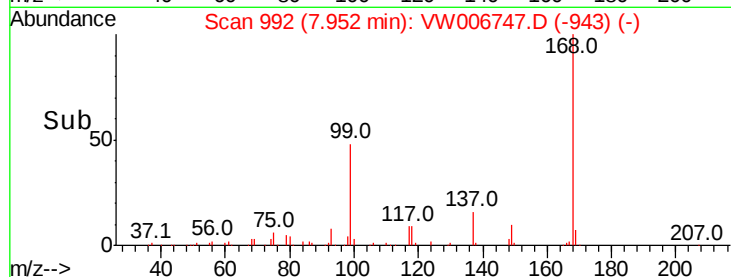
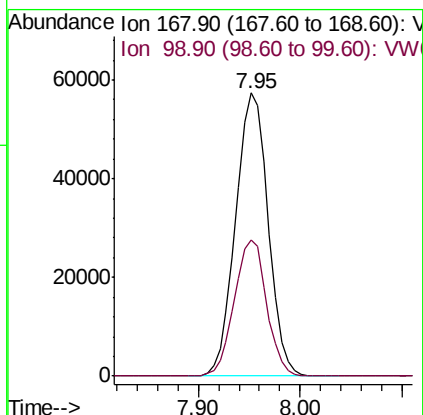
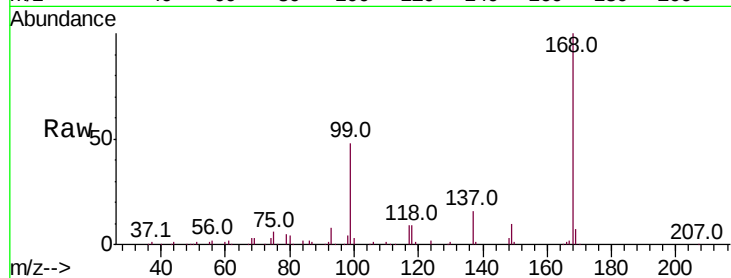


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. 0.00 min  
 Lab File: VW006747.D  
 Acq: 07 Nov 2018 19:59

Instrument :  
 MSVOA\_W  
 ClientSampled :

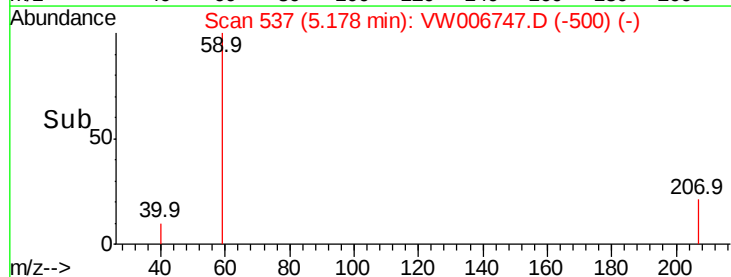
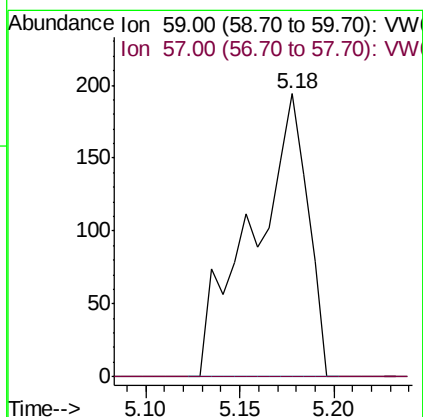
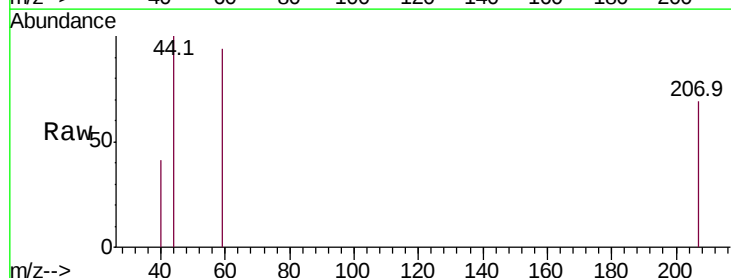
Tot Ion:168 Resp: 126949  
 Ion Ratio Lower Upper  
 168 100  
 99 48.3 37.4 56.0

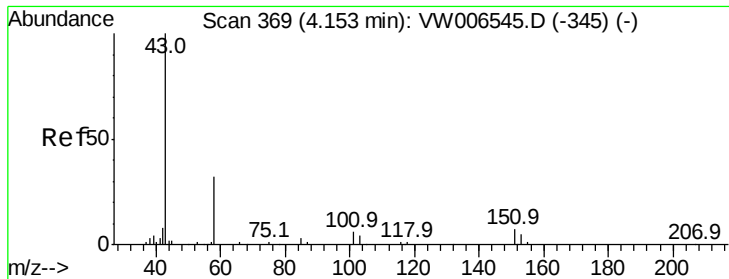


#11

Tert butyl alcohol  
 Concen: 6.667 ug/l  
 RT: 5.18 min Scan# 537  
 Delta R.T. -0.07 min  
 Lab File: VW006747.D  
 Acq: 07 Nov 2018 19:59

Tgt Ion: 59 Resp: 392  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 4.3 6.5#

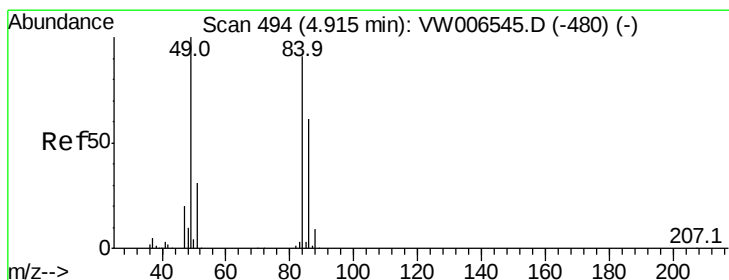
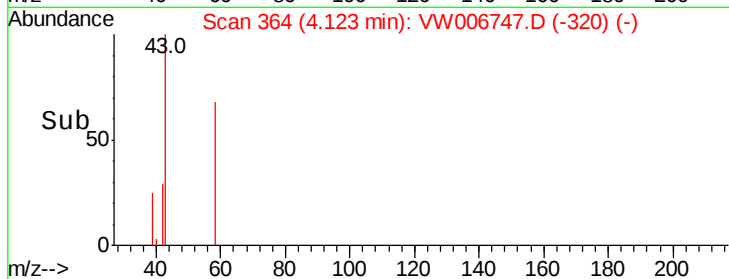
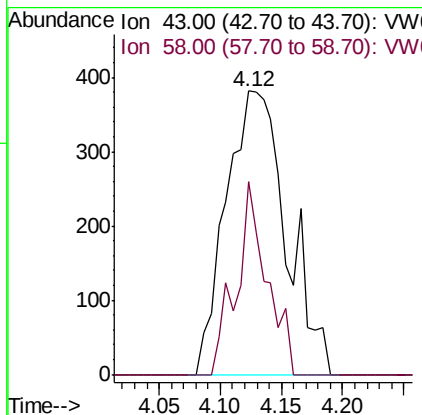
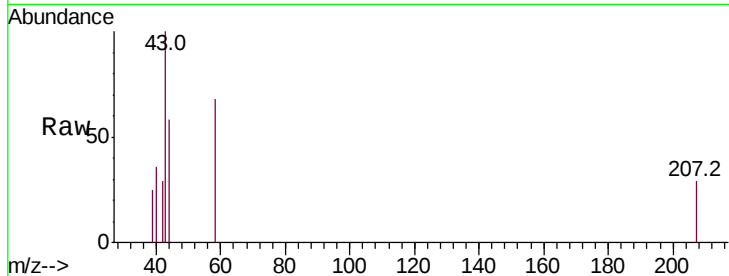




#16  
Acetone  
Concen: 7.470 ug/l  
RT: 4.12 min Scan# 364  
Delta R.T. -0.03 min  
Lab File: VW006747.D  
Acq: 07 Nov 2018 19:59

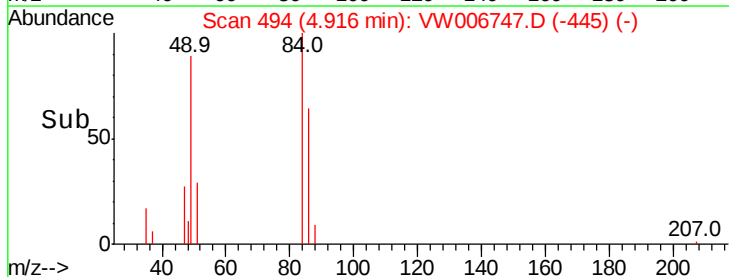
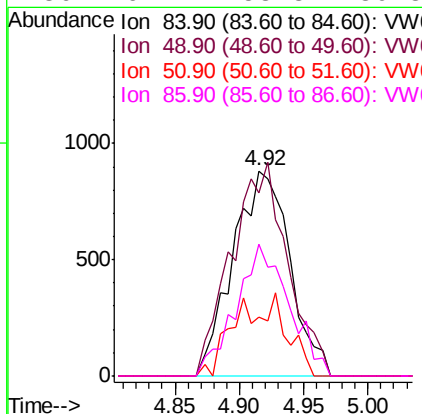
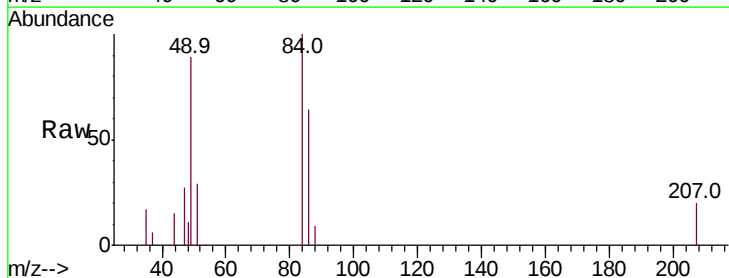
Instrument :  
MSVOA\_W  
ClientSampleId :

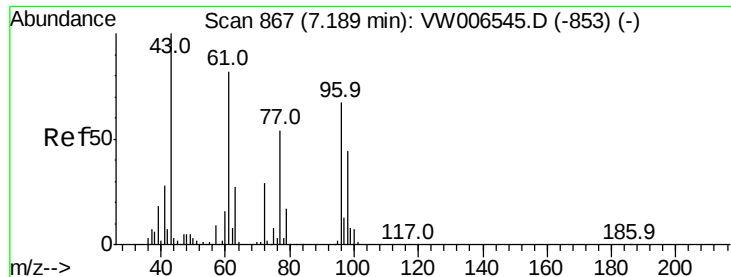
Tot Ion: 43 Resp: 1316  
Ion Ratio Lower Upper  
43 100  
58 67.8 25.8 38.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW006747.D  
Acq: 07 Nov 2018 19:59

Tgt Ion: 84 Resp: 2705  
Ion Ratio Lower Upper  
84 100  
49 89.2 88.2 132.4  
51 28.9 27.0 40.6  
86 64.4 53.8 80.8





#25

2-Butanone

Concen: 1.440 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

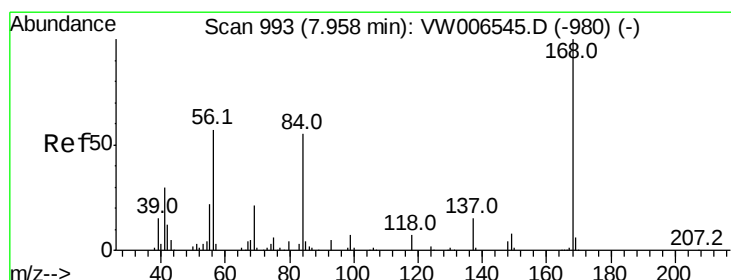
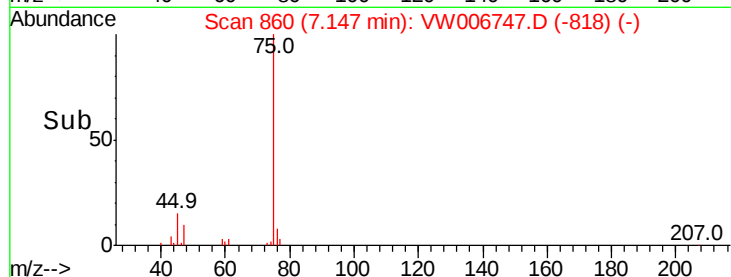
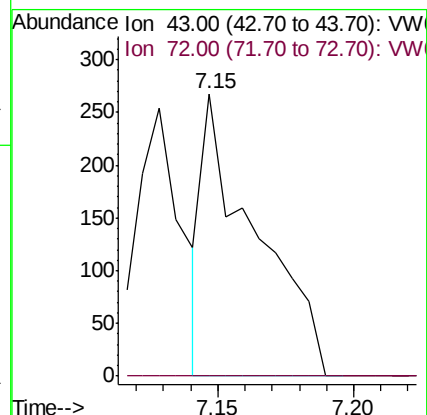
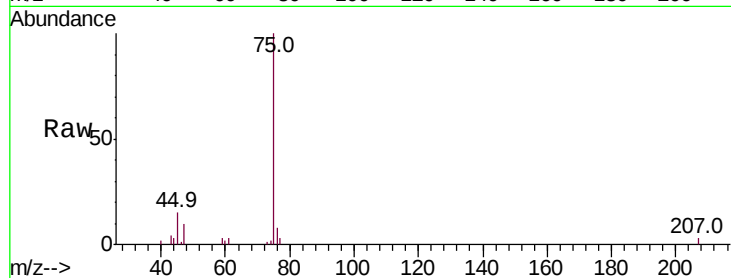
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 362

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

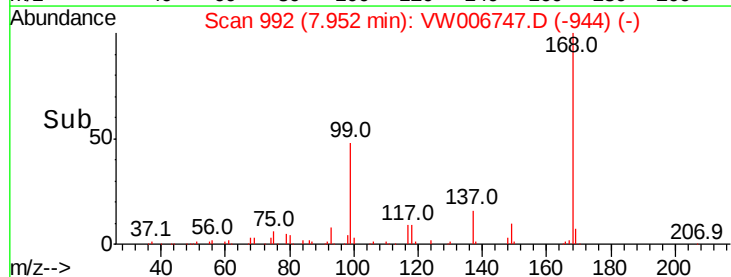
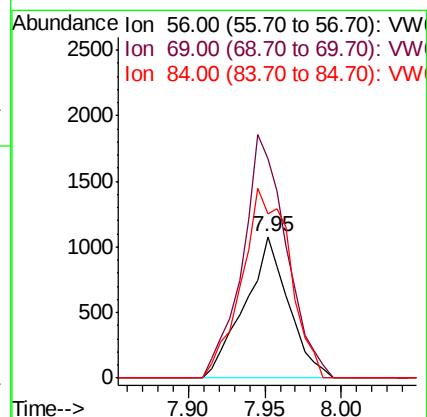
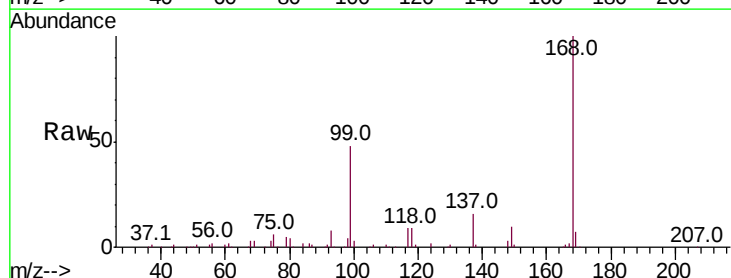
Tgt Ion: 56 Resp: 2151

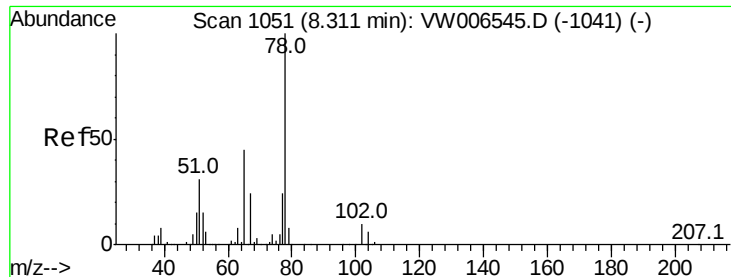
Ion Ratio Lower Upper

56 100

69 154.8 29.0 43.4#

84 115.9 77.8 116.6





#33

1,2-Dichloroethane-d4

Concen: 31.773 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

Instrument :

MSVOA\_W

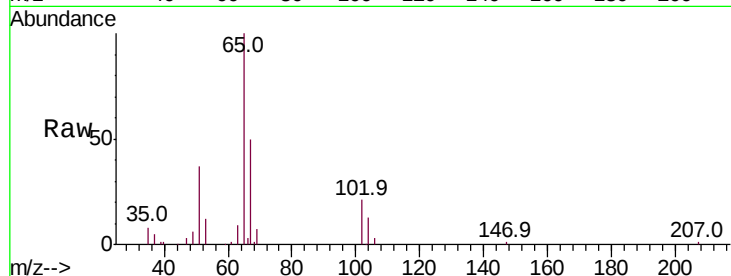
ClientSampleId :

Tot Ion: 65 Resp: 34672

Ion Ratio Lower Upper

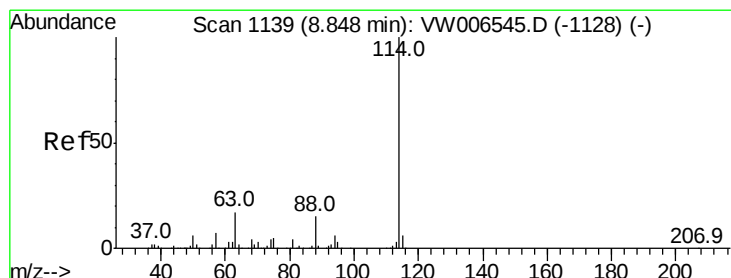
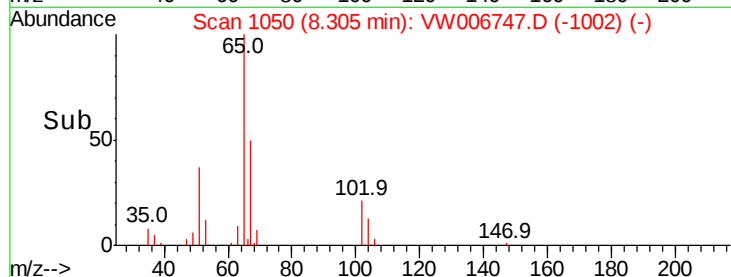
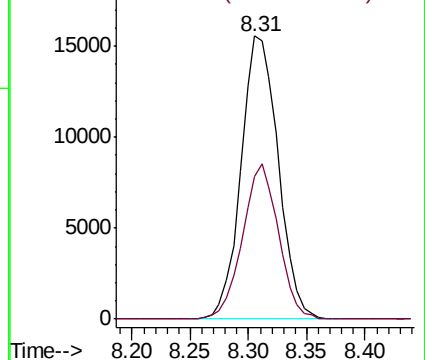
65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

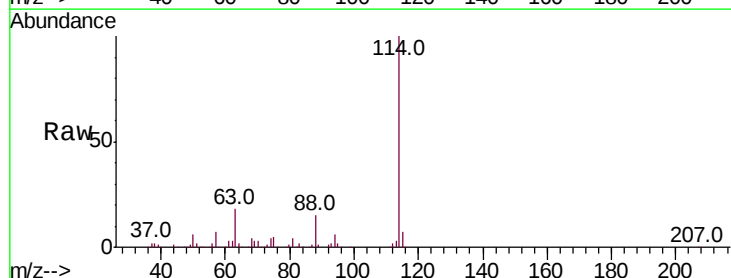
Tgt Ion: 114 Resp: 170663

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

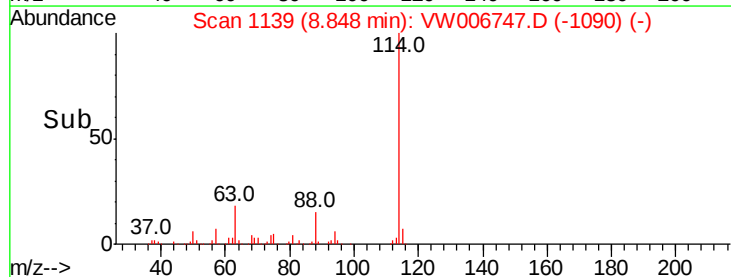
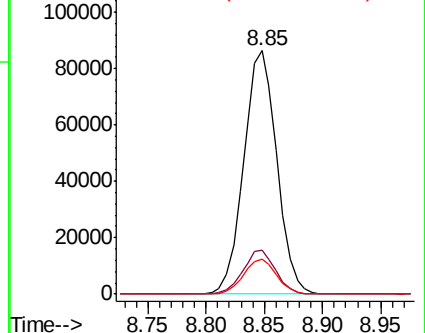
88 14.6 0.0 29.0

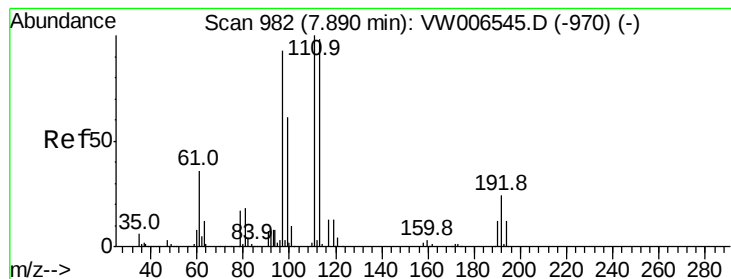


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 36.336 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

Instrument :

MSVOA\_W

ClientSampleId :

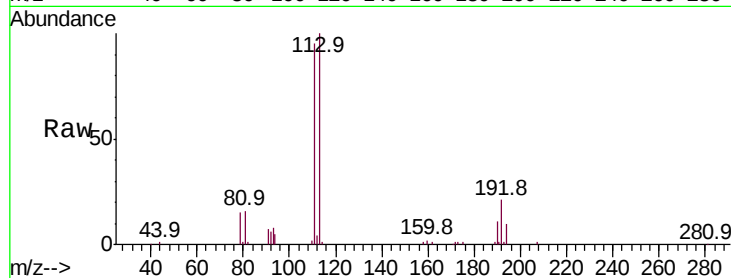
Tot Ion:113 Resp: 38917

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

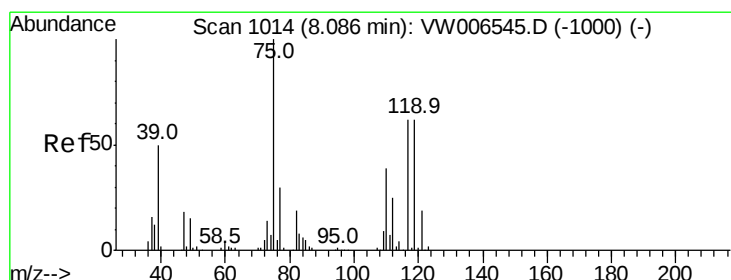
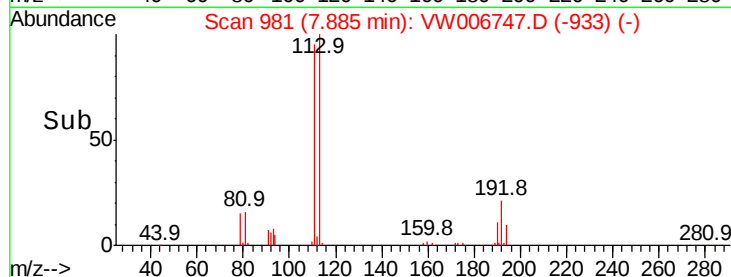
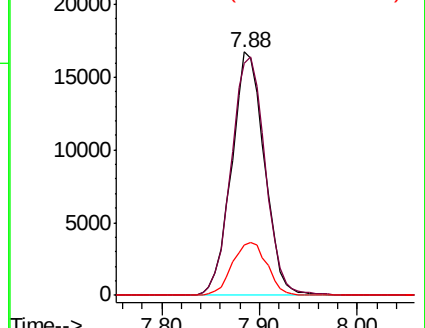
192 23.1 19.0 28.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.181 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

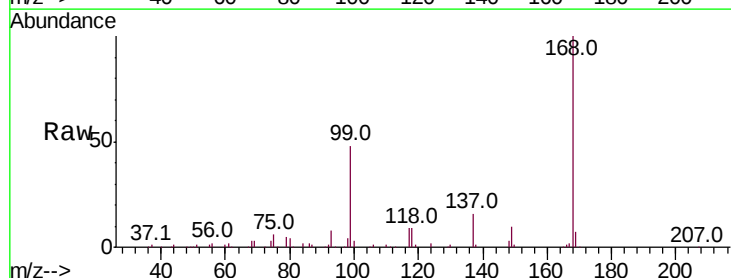
Tgt Ion: 75 Resp: 7776

Ion Ratio Lower Upper

75 100

110 10.6 19.5 58.5#

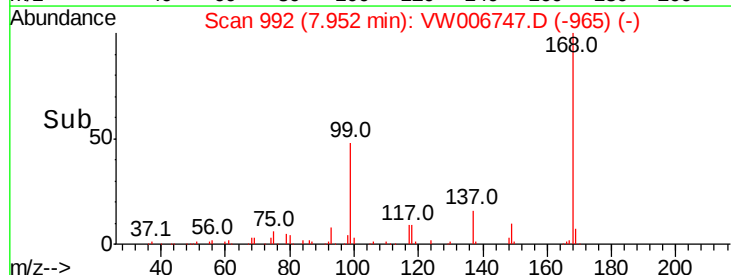
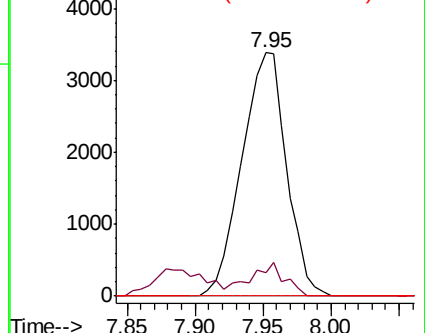
77 0.0 24.6 37.0#

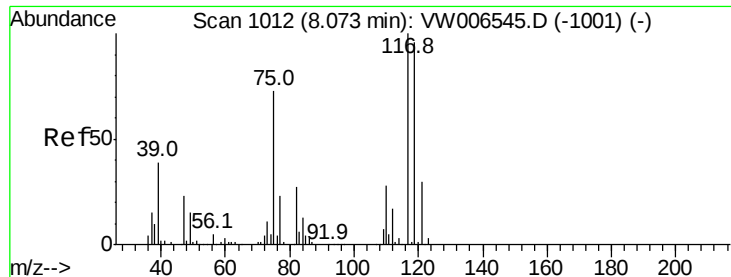


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.886 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

Instrument :

MSVOA\_W

ClientSampleId :

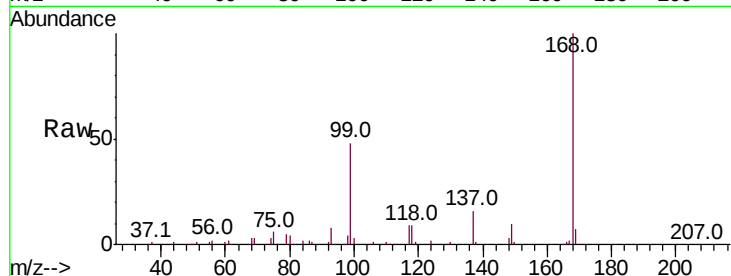
Tot Ion:117 Resp: 10799

Ion Ratio Lower Upper

117 100

119 5.9 76.3 114.5#

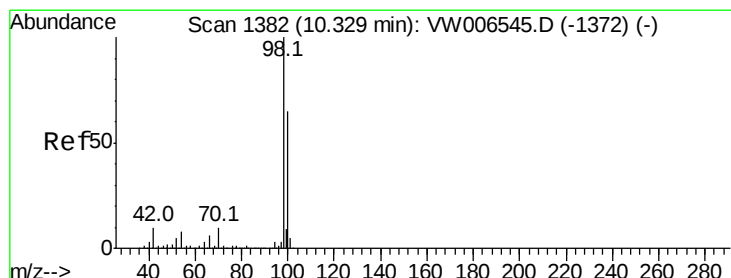
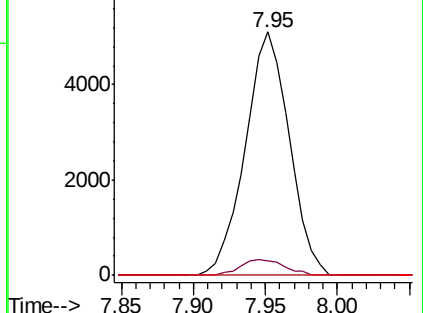
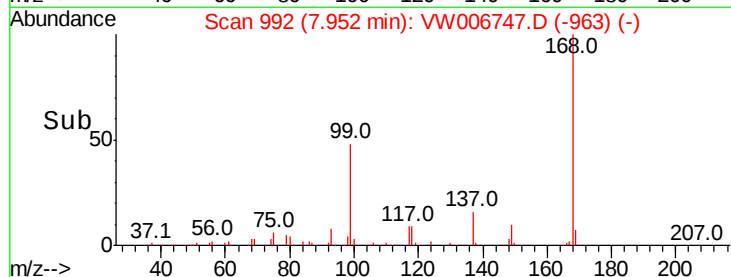
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 32.632 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006747.D

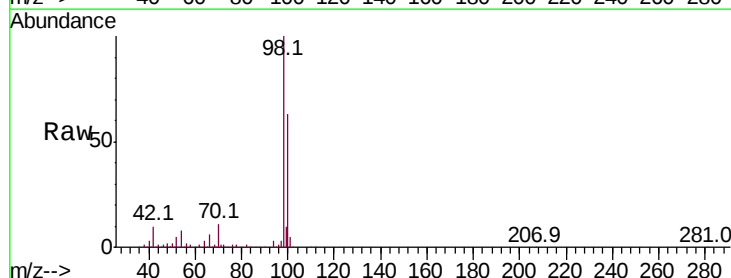
Acq: 07 Nov 2018 19:59

Tgt Ion: 98 Resp: 133048

Ion Ratio Lower Upper

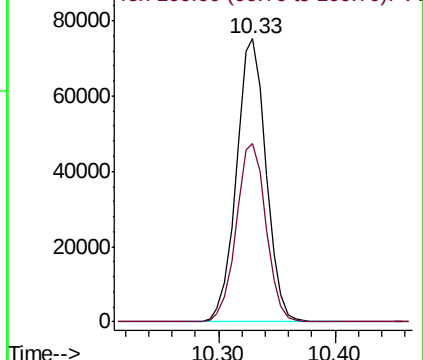
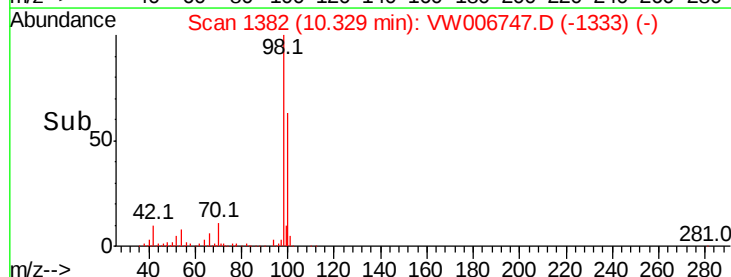
98 100

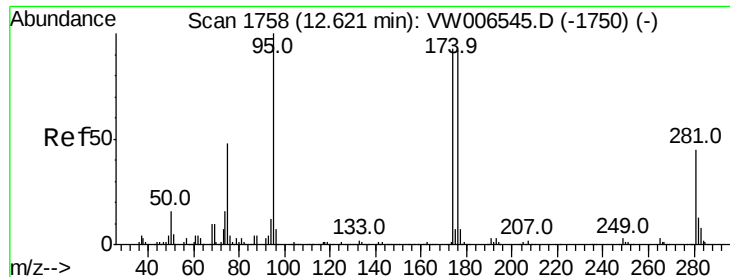
100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

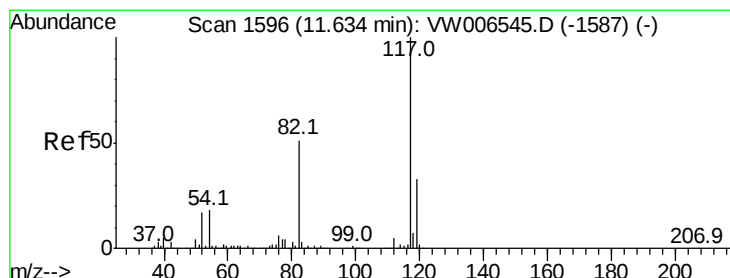
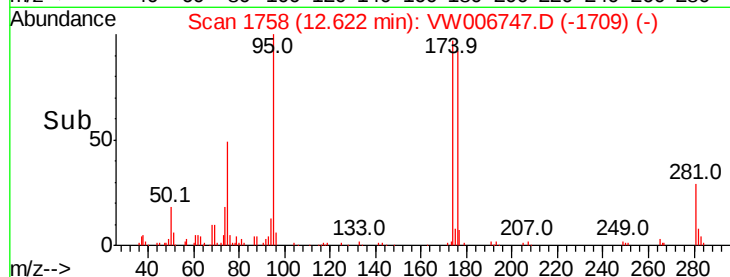
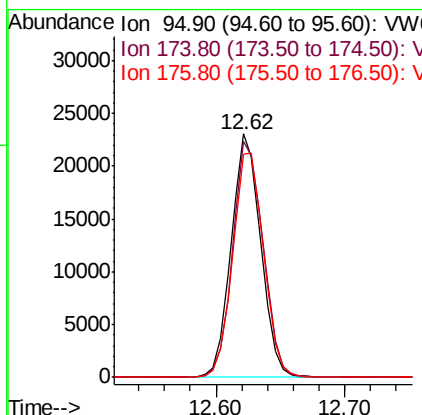
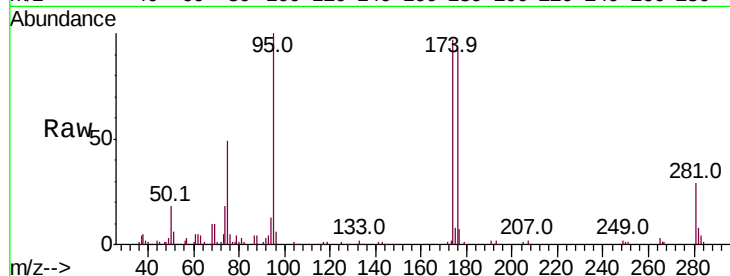




#62  
4-Bromofluorobenzene  
Concen: 24.904 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW006747.D  
Acq: 07 Nov 2018 19:59

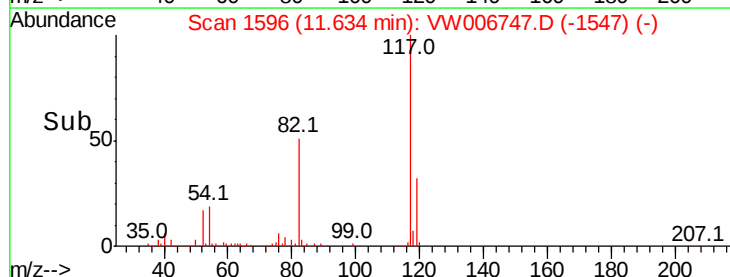
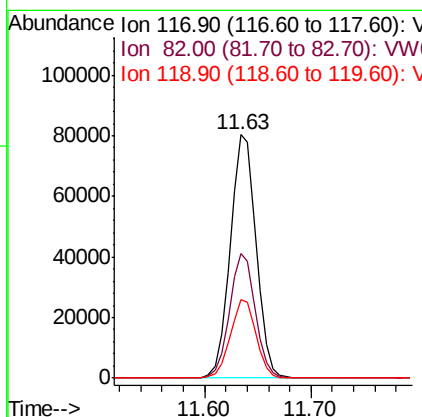
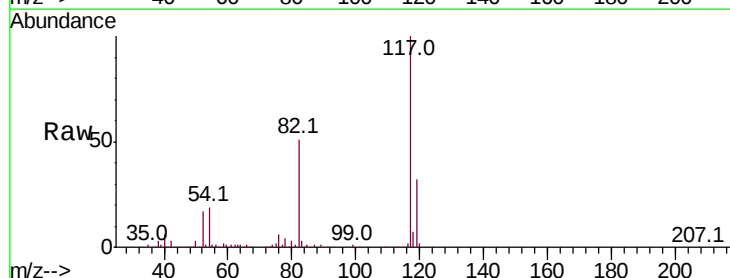
Instrument :  
MSVOA\_W  
ClientSampleId :

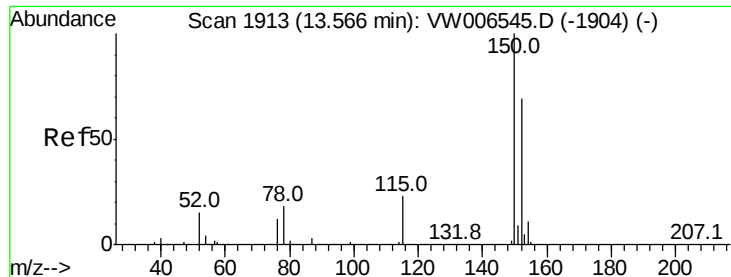
Tot Ion: 95 Resp: 36813  
Ion Ratio Lower Upper  
95 100  
174 99.3 0.0 192.4  
176 96.3 0.0 187.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW006747.D  
Acq: 07 Nov 2018 19:59

Tgt Ion: 117 Resp: 136565  
Ion Ratio Lower Upper  
117 100  
82 51.1 40.8 61.2  
119 32.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

Instrument :

MSVOA\_W

ClientSampleId :

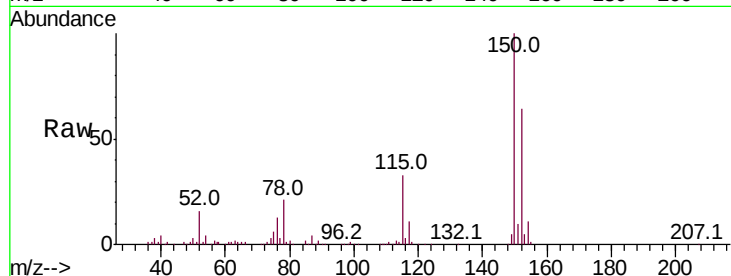
Tot Ion:152 Resp: 56997

Ion Ratio Lower Upper

152 100

115 52.1 26.6 79.8

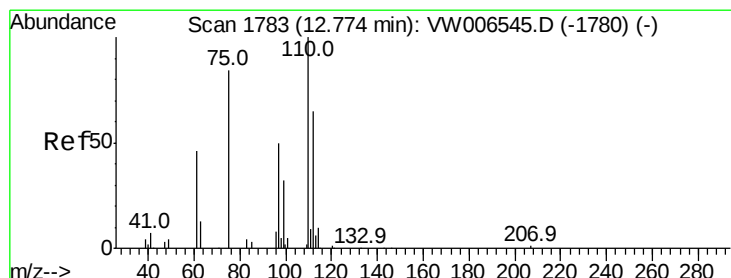
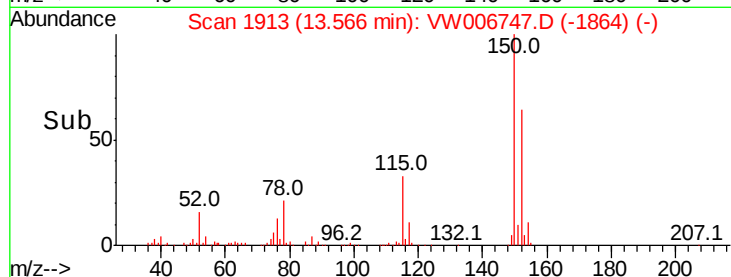
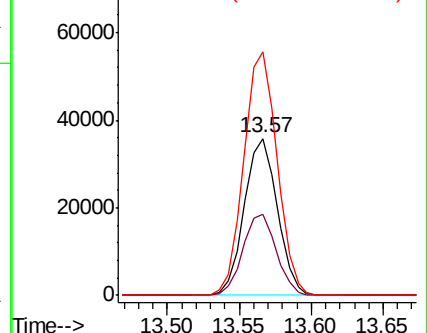
150 156.3 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 41.029 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006747.D

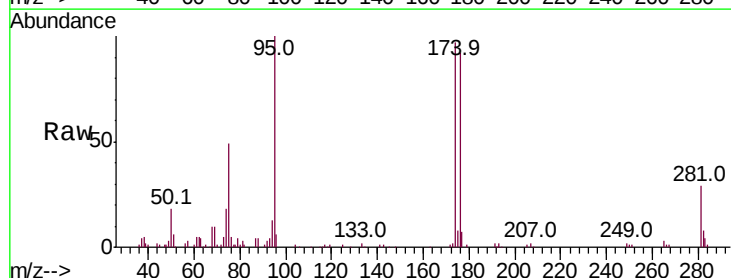
Acq: 07 Nov 2018 19:59

Tgt Ion: 75 Resp: 18246

Ion Ratio Lower Upper

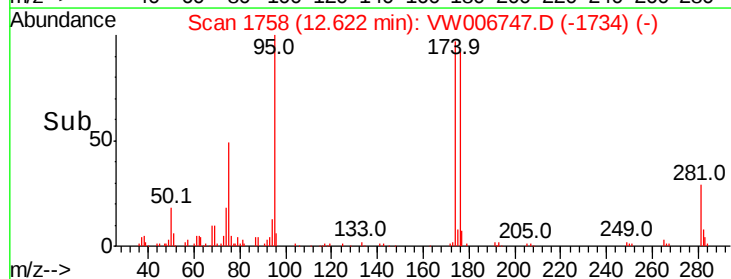
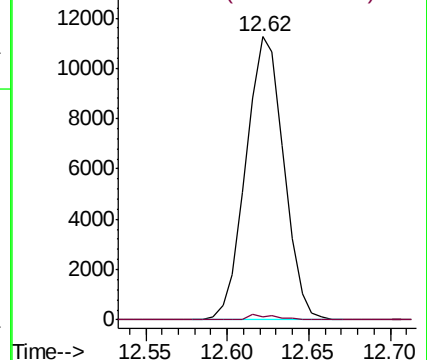
75 100

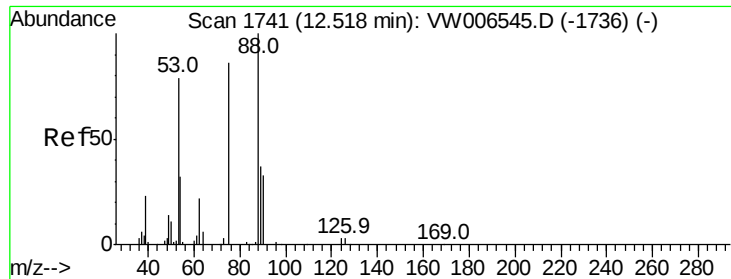
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 103.261 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006747.D

Acq: 07 Nov 2018 19:59

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 18246

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.4 38.6 58.0#

