

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW121718\  
 Data File : VW007585.D  
 Acq On : 15 Dec 2018 16:35  
 Operator : SY/AP  
 Sample : J6353-09  
 Misc : 6.50G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS006-0002-01

Quant Time: Dec 15 22:28:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W121118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 11 02:58:16 2018  
 Response via : Initial Calibration

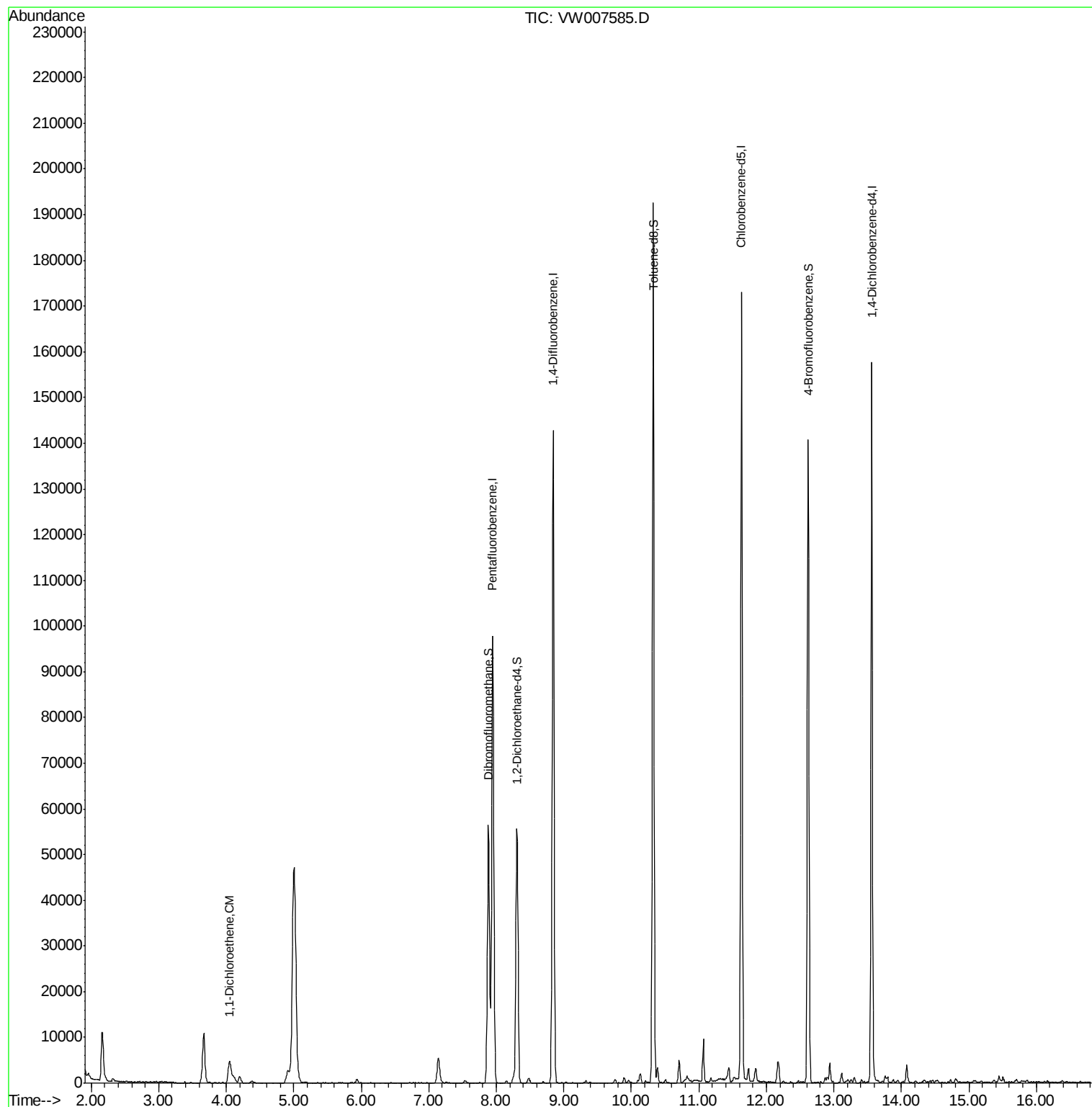
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 72405    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 121445   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 97045    | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 39653    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 45840    | 57.07 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.14% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 40755    | 55.44 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.88% |           |
| 50) Toluene-d8              | 10.32 | 98   | 129777   | 47.08 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.16%  |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 45844    | 45.23 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.46%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 12) 1,1-Dichloroethene      | 4.05  | 96   | 3381     | 4.760 | ug/l #  | Qvalue 91 |

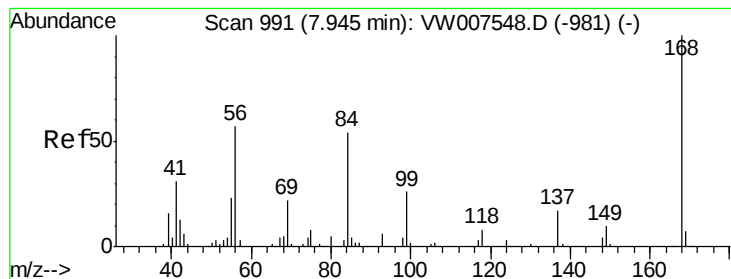
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007585.D

Acq: 15 Dec 2018 16:35

Instrument :

MSVOA\_W

ClientSampleId :

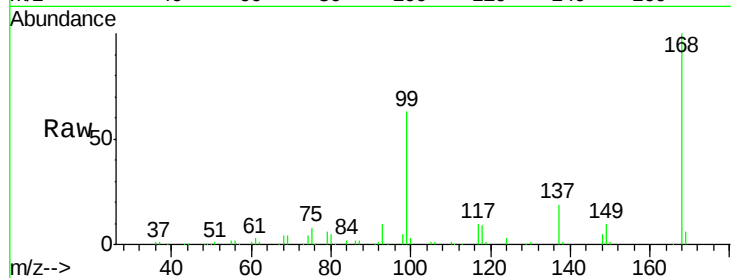
P001-SS006-0002-01

Tgt Ion: 168 Resp: 72405

Ion Ratio Lower Upper

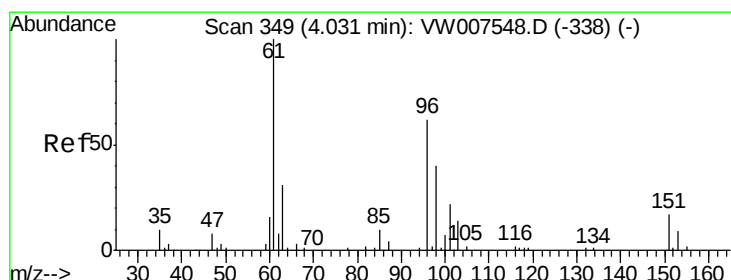
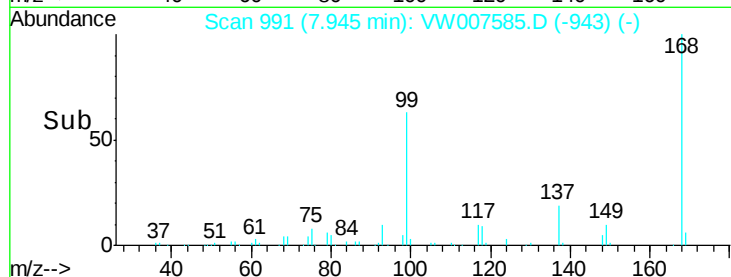
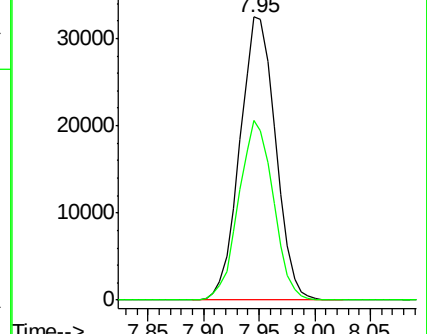
168 100

99 63.3 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#12

1,1-Dichloroethene

Concen: 4.760 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.02 min

Lab File: VW007585.D

Acq: 15 Dec 2018 16:35

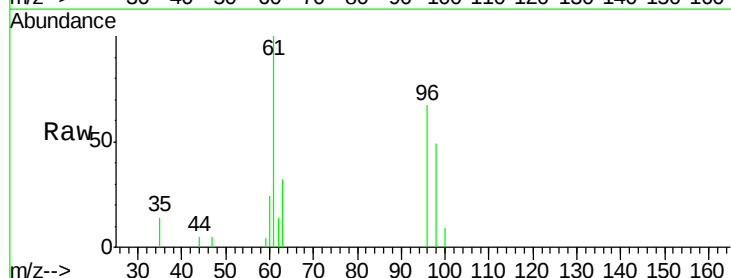
Tgt Ion: 96 Resp: 3381

Ion Ratio Lower Upper

96 100

61 149.1 126.2 189.2

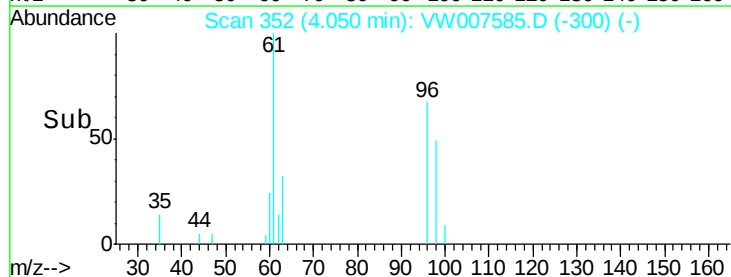
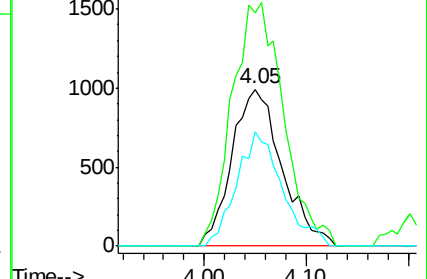
98 73.2 48.3 72.5#

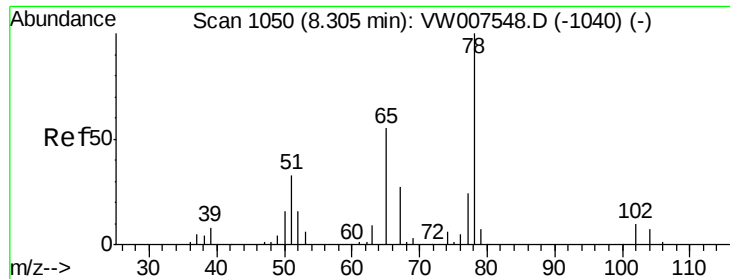


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

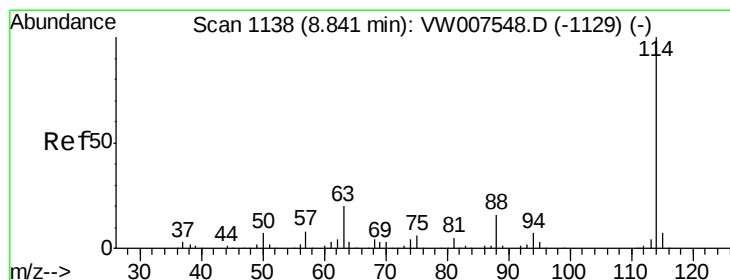
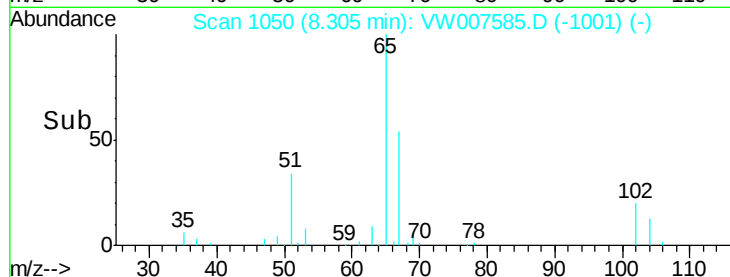
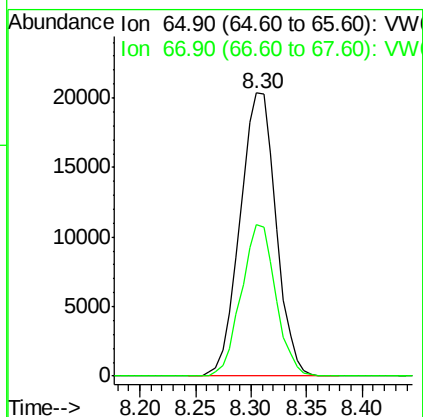
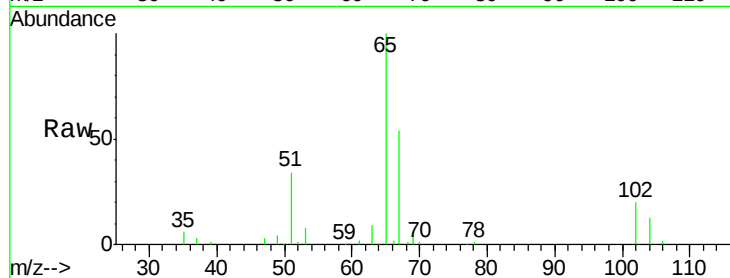




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.066 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW007585.D  
 Acq: 15 Dec 2018 16:35

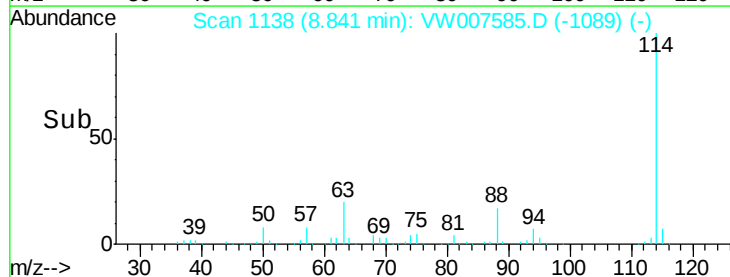
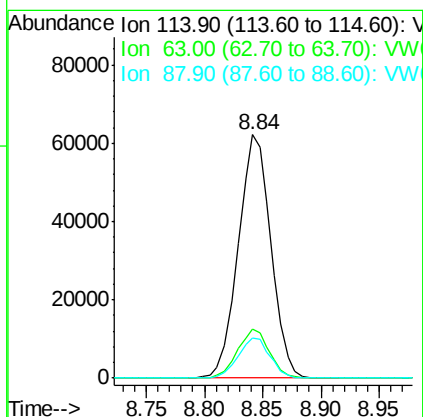
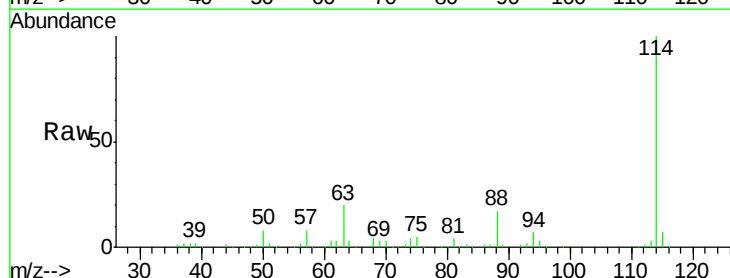
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS006-0002-01

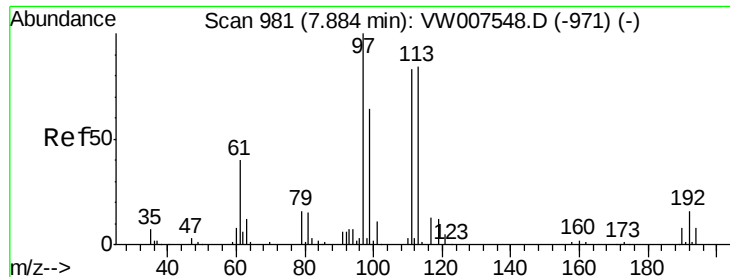
Tgt Ion: 65 Resp: 45840  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 101.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW007585.D  
 Acq: 15 Dec 2018 16:35

Tgt Ion: 114 Resp: 121445  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.6  
 88 16.5 0.0 31.4

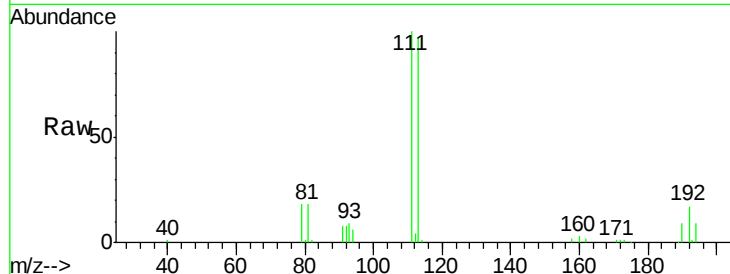




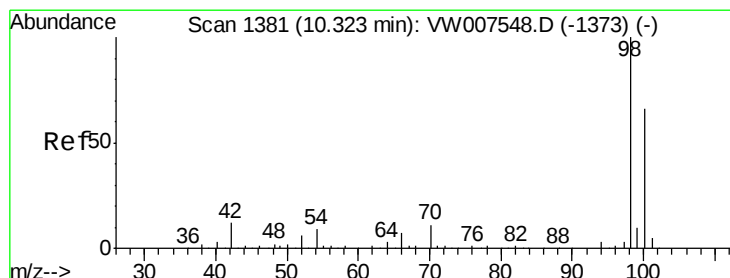
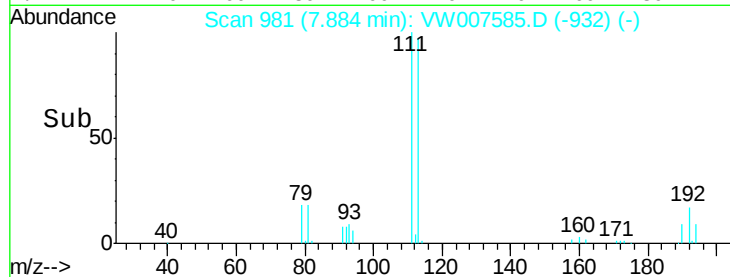
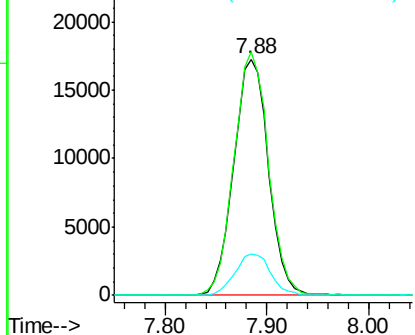
#35  
 Dibromofluoromethane  
 Concen: 55.437 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW007585.D  
 Acq: 15 Dec 2018 16:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS006-0002-01

Tgt Ion:113 Resp: 40755  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.1 121.7  
 192 17.7 14.6 21.8

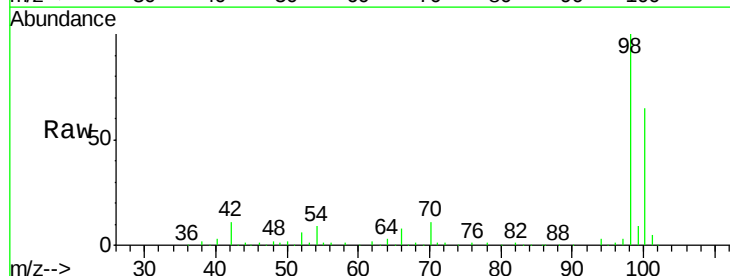


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

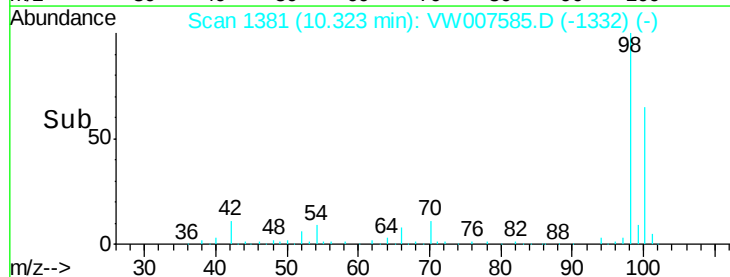
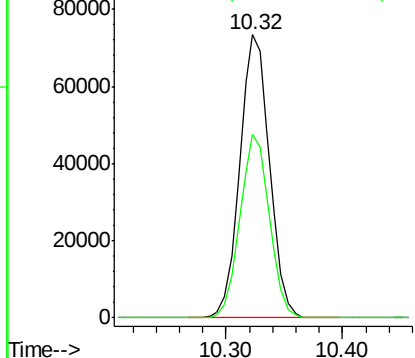


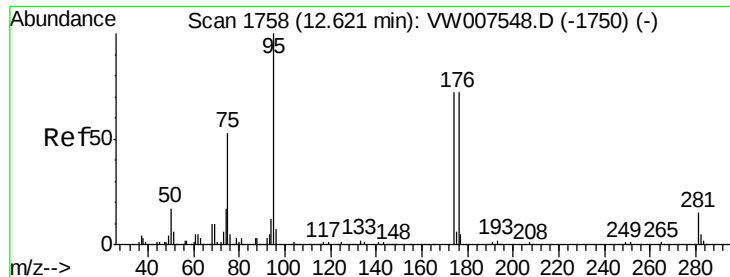
#50  
 Toluene-d8  
 Concen: 47.082 ug/l  
 RT: 10.32 min Scan# 1381  
 Delta R.T. -0.00 min  
 Lab File: VW007585.D  
 Acq: 15 Dec 2018 16:35

Tgt Ion: 98 Resp: 129777  
 Ion Ratio Lower Upper  
 98 100  
 100 64.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW  
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.235 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007585.D

Acq: 15 Dec 2018 16:35

Instrument :

MSVOA\_W

ClientSampleId :

P001-SS006-0002-01

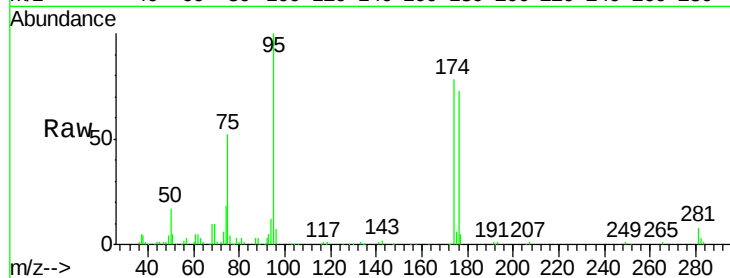
Tgt Ion: 95 Resp: 45844

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.2

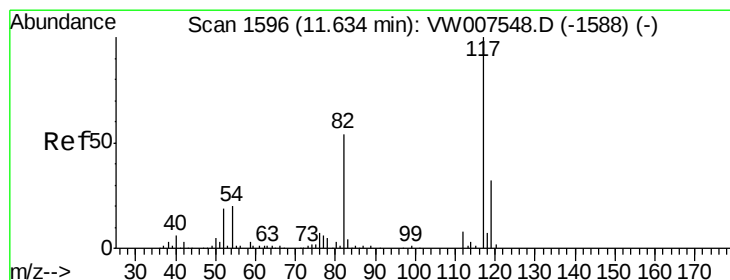
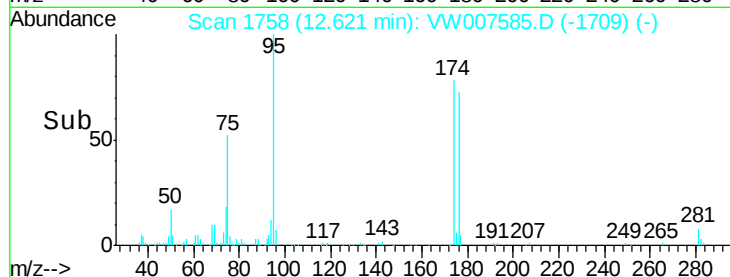
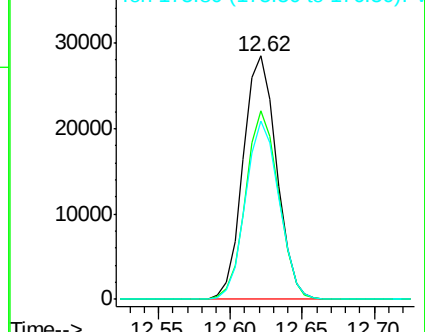
176 73.1 0.0 138.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007585.D

Acq: 15 Dec 2018 16:35

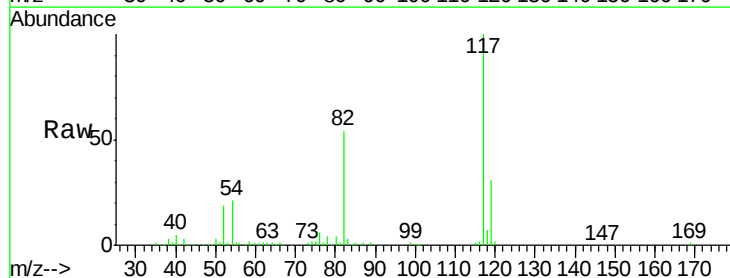
Tgt Ion: 117 Resp: 97045

Ion Ratio Lower Upper

117 100

82 54.4 42.3 63.5

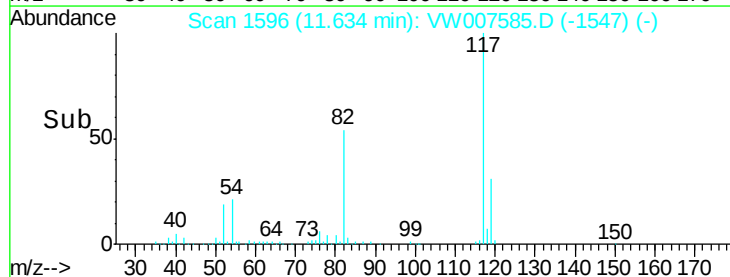
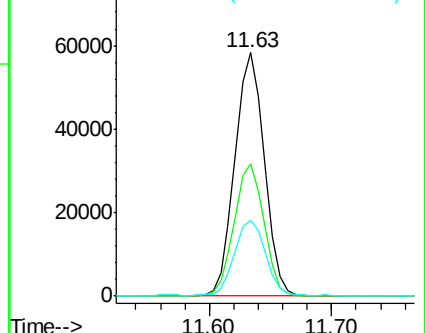
119 31.1 23.0 34.6

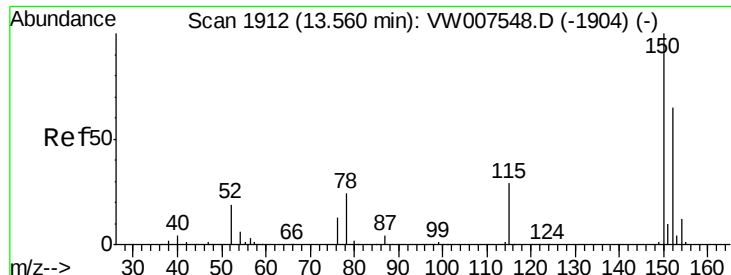


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

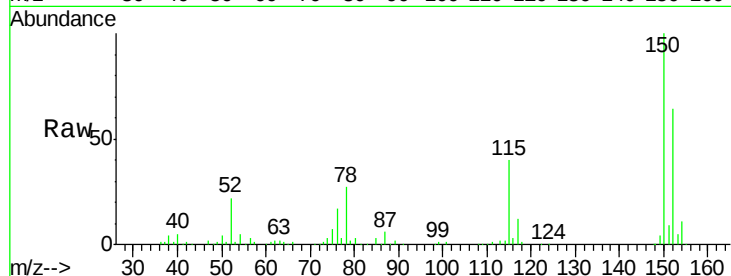




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. -0.00 min  
 Lab File: VW007585.D  
 Acq: 15 Dec 2018 16:35

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 P001-SS006-0002-01

Tgt Ion:152 Resp: 39653  
 Ion Ratio Lower Upper  
 152 100  
 115 63.5 31.4 94.2  
 150 157.9 0.0 358.4



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

