

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003782.D  
 Acq On : 09 Jul 2018 17:18  
 Operator : SY/AP  
 Sample : J3864-02  
 Misc : 5.53G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-108-6A(19-21)

Quant Time: Jul 09 18:00:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:07:25 2018  
 Response via : Initial Calibration

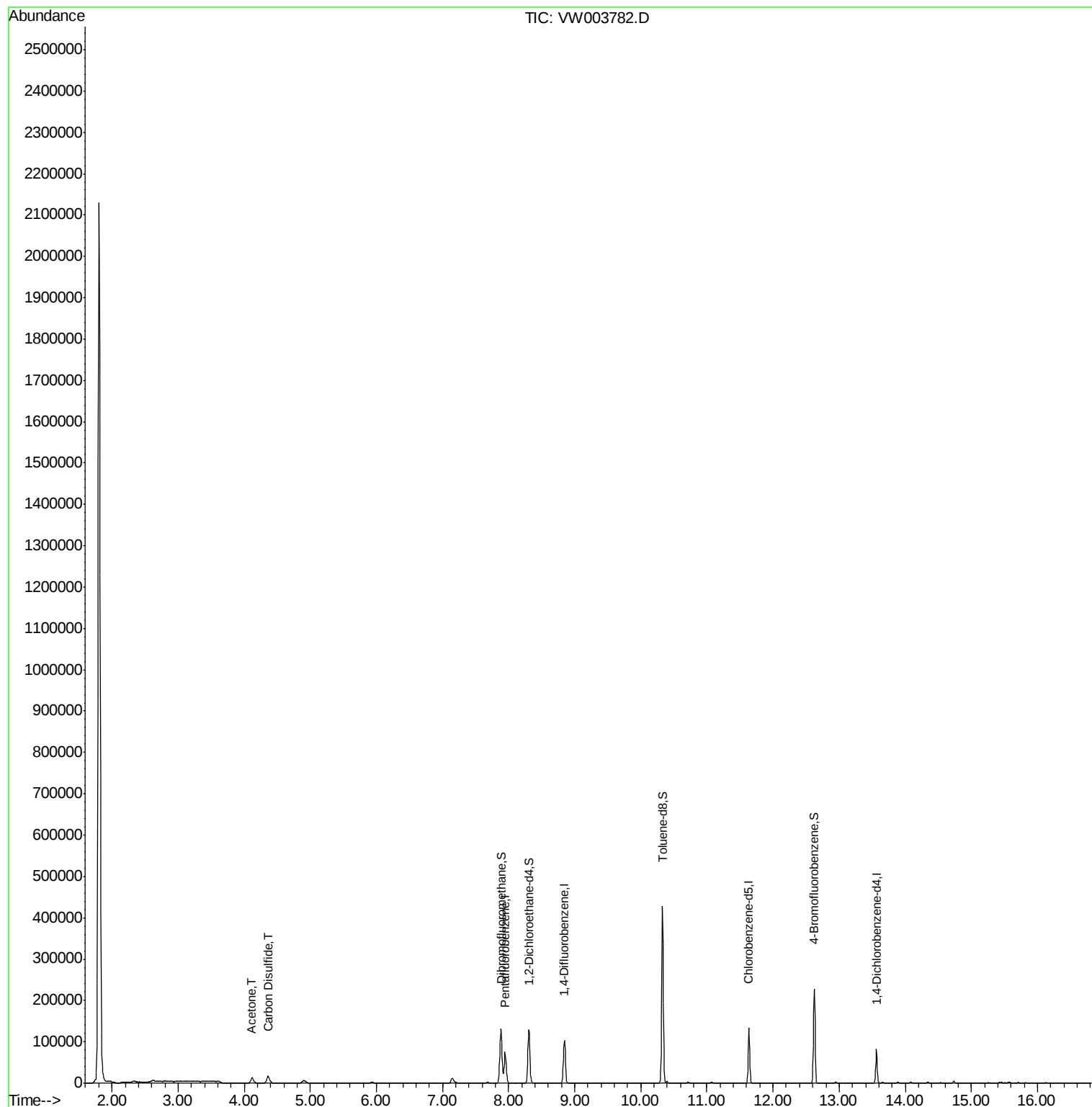
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 53371    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 82993    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 69601    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 20629    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 101861   | 145.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 291.88% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 91019    | 156.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 313.40% |          |
| 50) Toluene-d8              | 10.33 | 98   | 275618   | 124.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 248.10% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 68396    | 85.08   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 170.16% |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 20900    | 172.597 | ug/l    | 92       |
| 17) Carbon Disulfide        | 4.36  | 76   | 34719    | 21.123  | ug/l    | 98       |

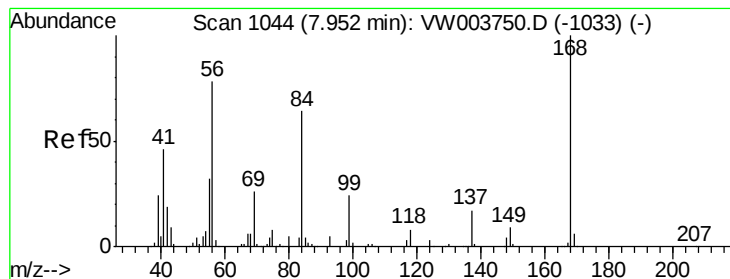
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003782.D

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Instrument :

MSVOA\_W

ClientSampleId :

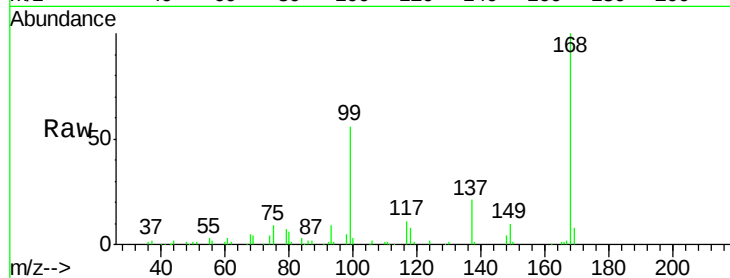
EPE-108-6A(19-21)

Tot Ion:168 Resp: 53371

Ion Ratio Lower Upper

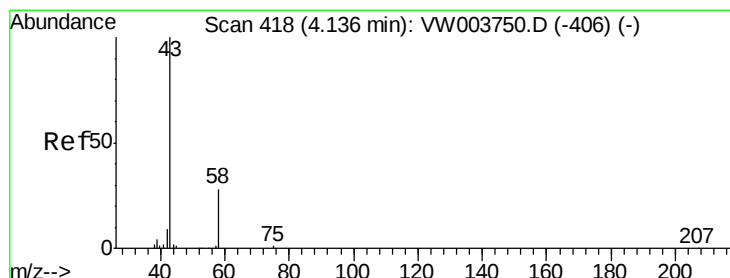
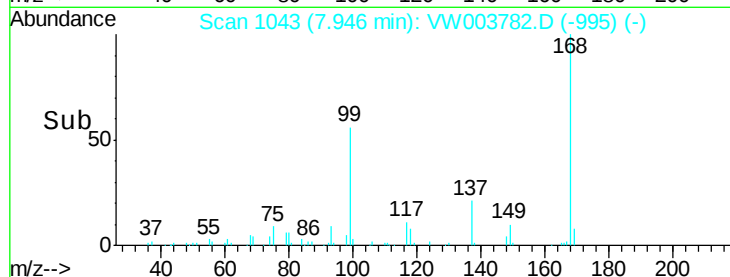
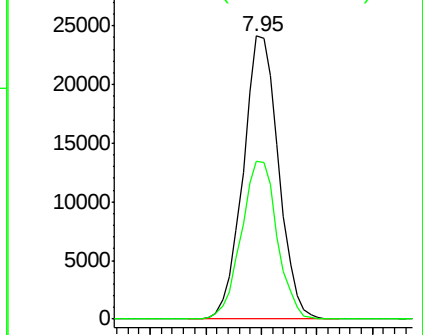
168 100

99 55.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 172.597 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003782.D

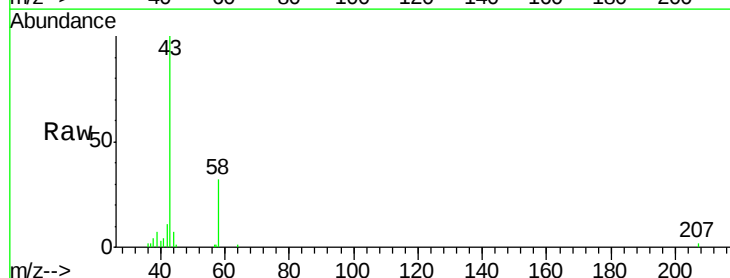
Acq: 09 Jul 2018 17:18

Tgt Ion: 43 Resp: 20900

Ion Ratio Lower Upper

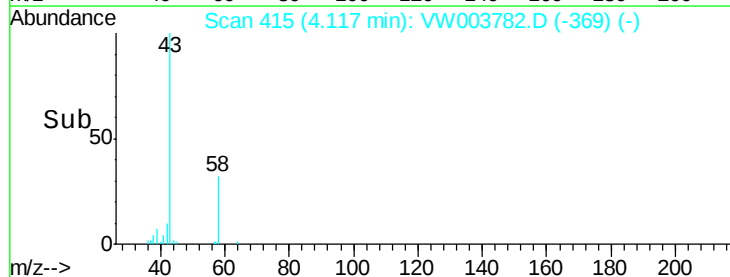
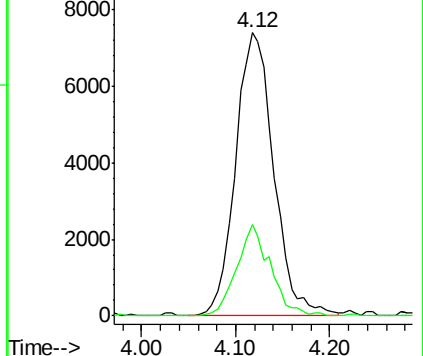
43 100

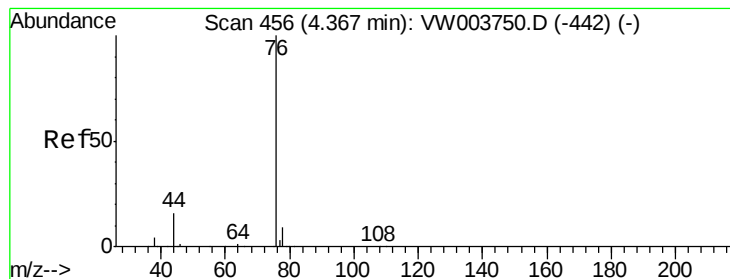
58 32.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 21.123 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003782.D

Acq: 09 Jul 2018 17:18

Instrument :

MSVOA\_W

ClientSampleId :

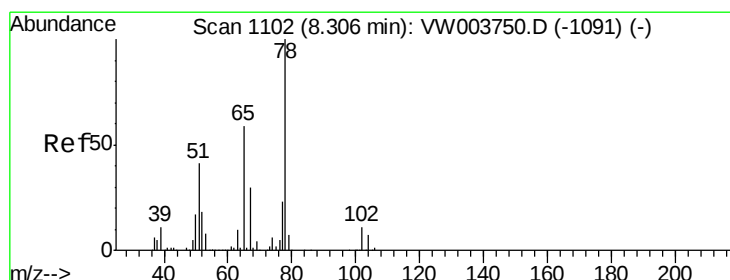
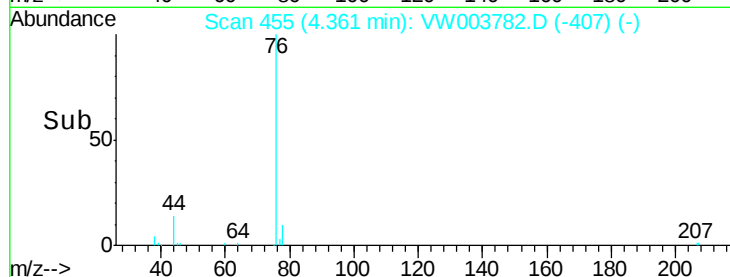
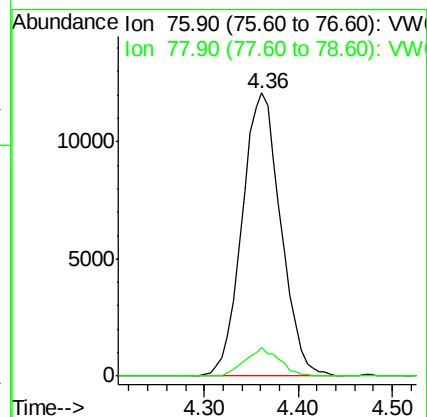
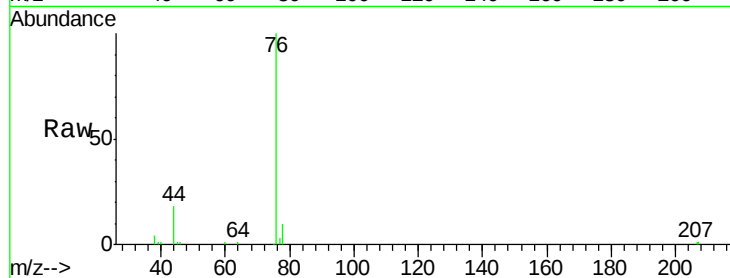
EPE-108-6A(19-21)

Tot Ion: 76 Resp: 34719

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2



#33

1,2-Dichloroethane-d4

Concen: 145.944 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003782.D

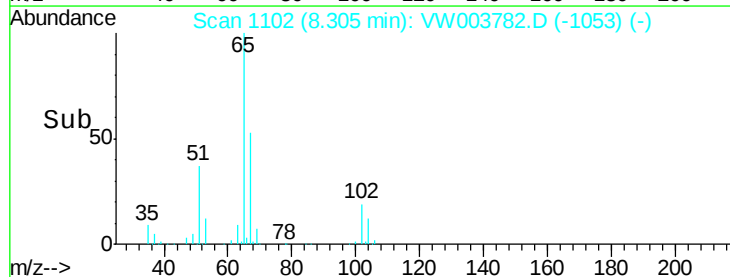
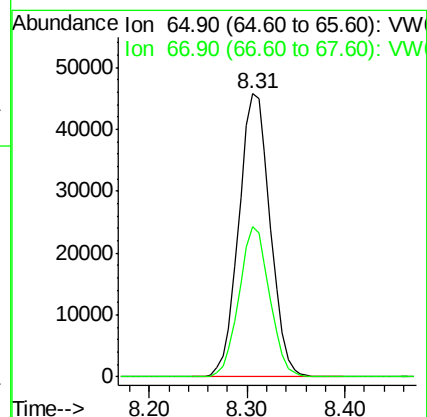
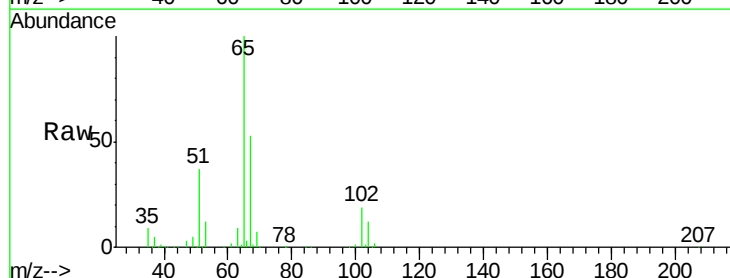
Acq: 09 Jul 2018 17:18

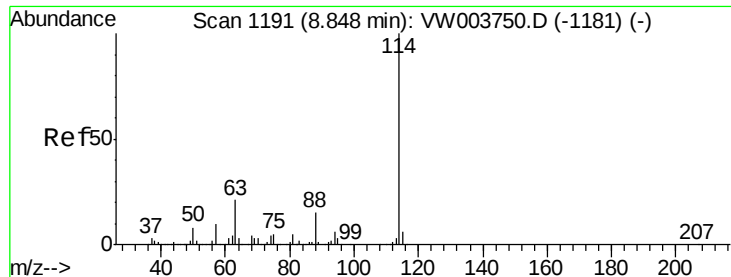
Tgt Ion: 65 Resp: 101861

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003782.D

Acq: 09 Jul 2018 17:18

Instrument :

MSVOA\_W

ClientSampleId :

EPE-108-6A(19-21)

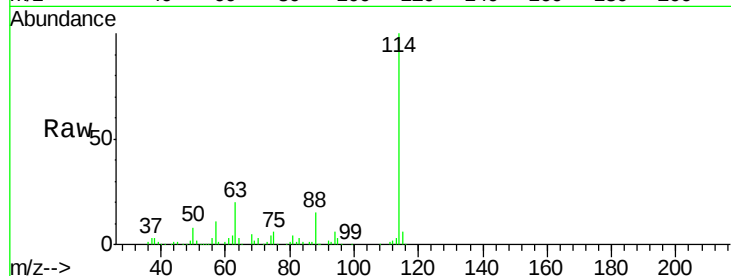
Tot Ion:114 Resp: 82993

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.8

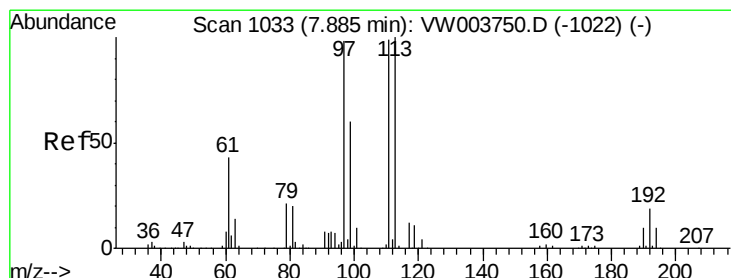
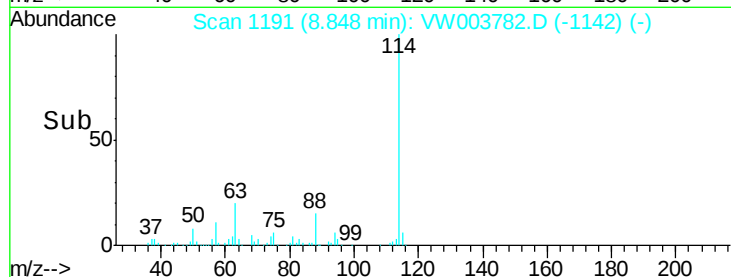
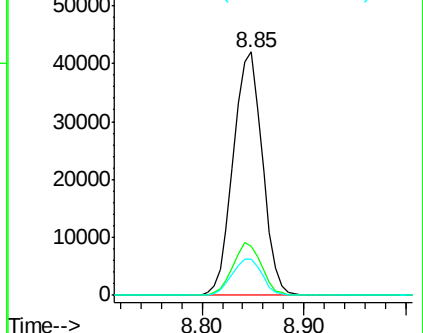
88 14.9 0.0 30.2



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: 156.698 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003782.D

Acq: 09 Jul 2018 17:18

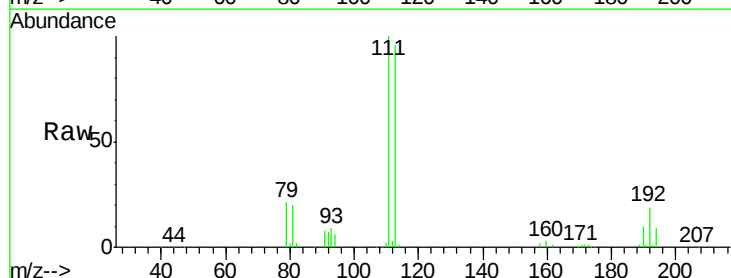
Tgt Ion:113 Resp: 91019

Ion Ratio Lower Upper

113 100

111 103.9 81.7 122.5

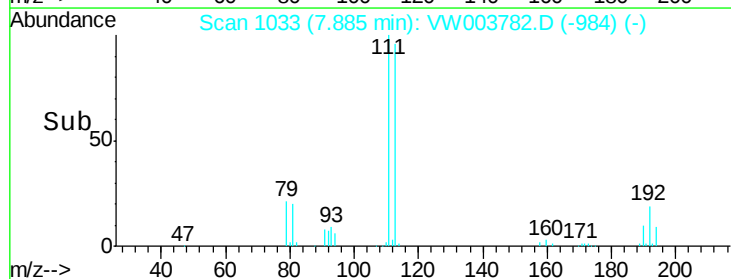
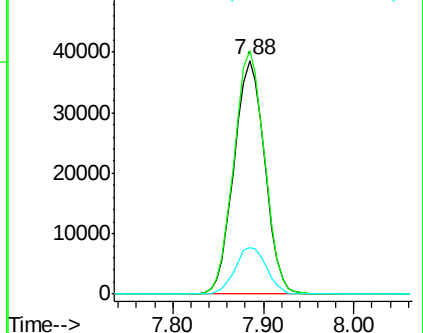
192 20.4 15.8 23.8

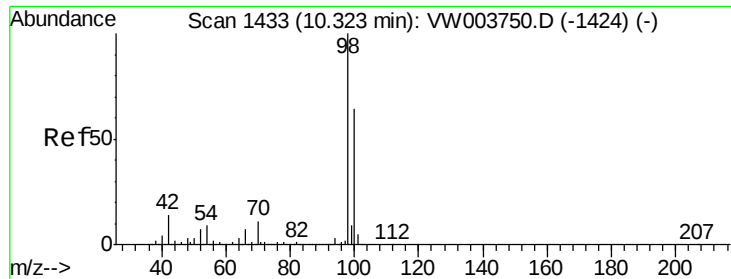


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

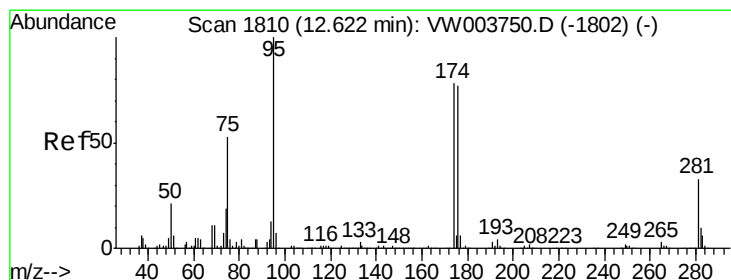
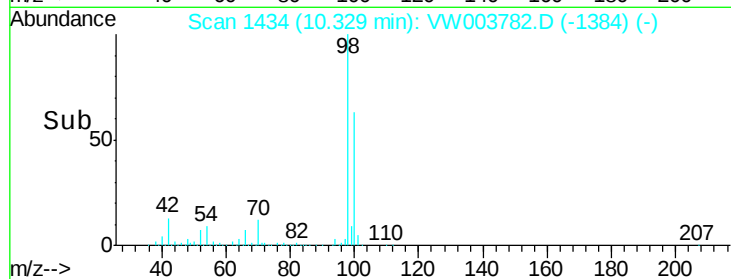
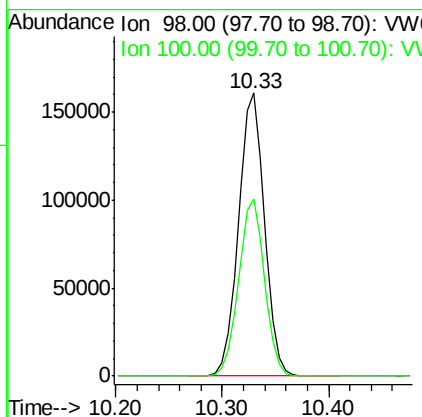
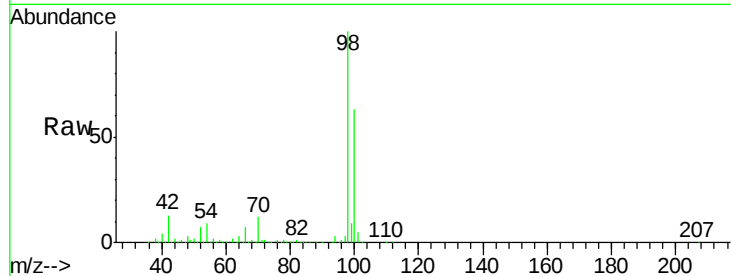




#50  
Toluene-d8  
Concen: 124.046 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.01 min  
Lab File: VW003782.D  
Acq: 09 Jul 2018 17:18

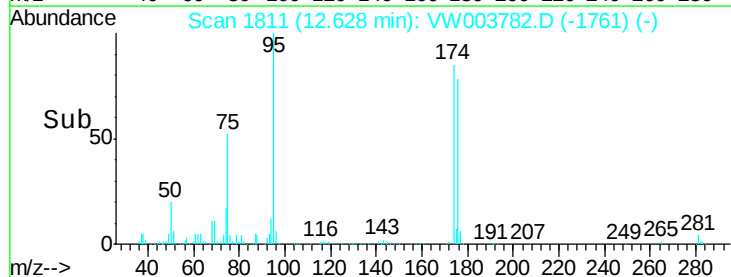
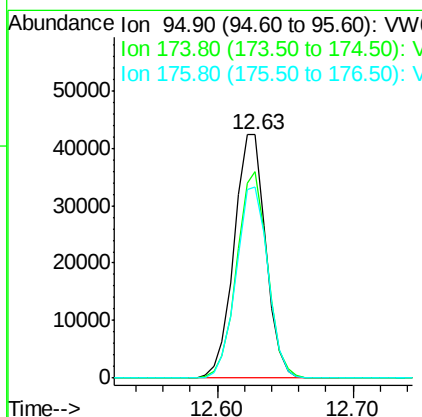
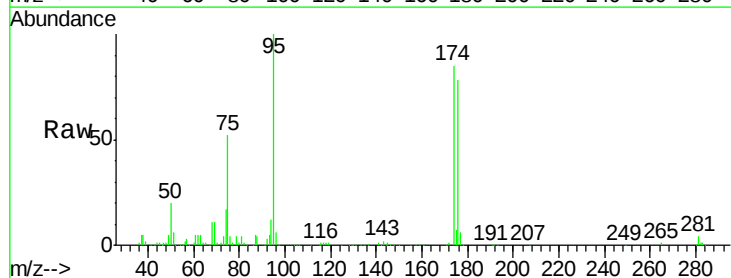
Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-108-6A(19-21)

Tot Ion: 98 Resp: 275618  
Ion Ratio Lower Upper  
98 100  
100 62.5 50.8 76.2



#62  
4-Bromofluorobenzene  
Concen: 85.078 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: VW003782.D  
Acq: 09 Jul 2018 17:18

Tgt Ion: 95 Resp: 68396  
Ion Ratio Lower Upper  
95 100  
174 82.4 0.0 163.4  
176 79.2 0.0 156.8

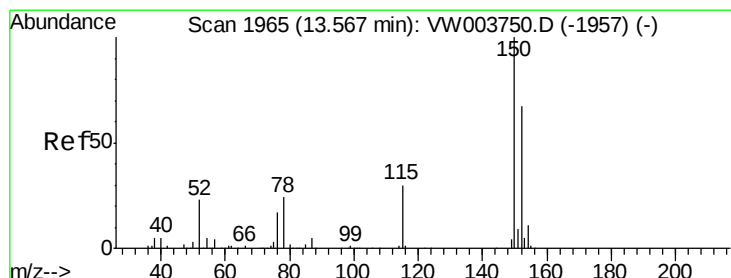
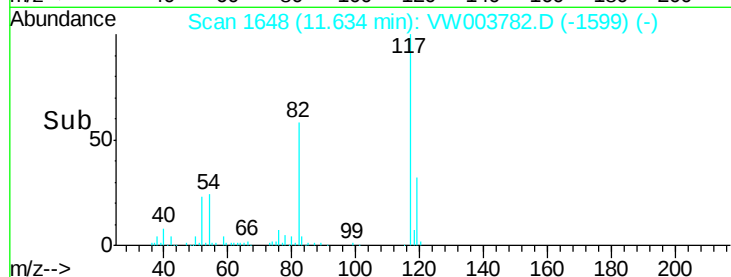
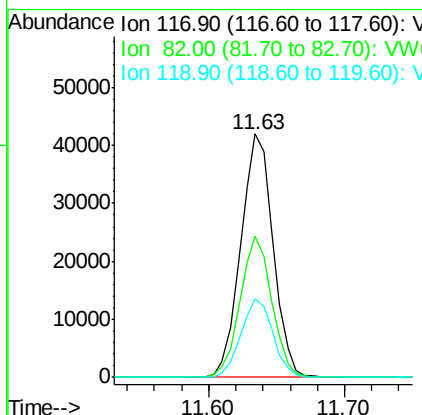
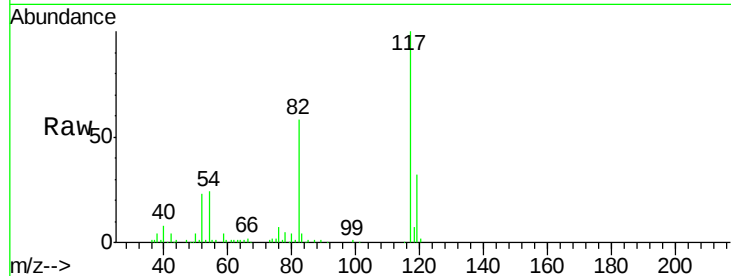




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003782.D  
Acq: 09 Jul 2018 17:18

Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-108-6A(19-21)

Tot Ion:117 Resp: 69601  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.9 70.3  
119 32.3 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW003782.D  
Acq: 09 Jul 2018 17:18

Tgt Ion:152 Resp: 20629  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.9 86.8  
150 153.7 0.0 342.4

