

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003791.D  
 Acq On : 09 Jul 2018 21:12  
 Operator : SY/AP  
 Sample : J3886-02  
 Misc : 6.01G/5ML/MSVOA W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-108-6A(60-62)

Quant Time: Jul 10 04:20:24 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

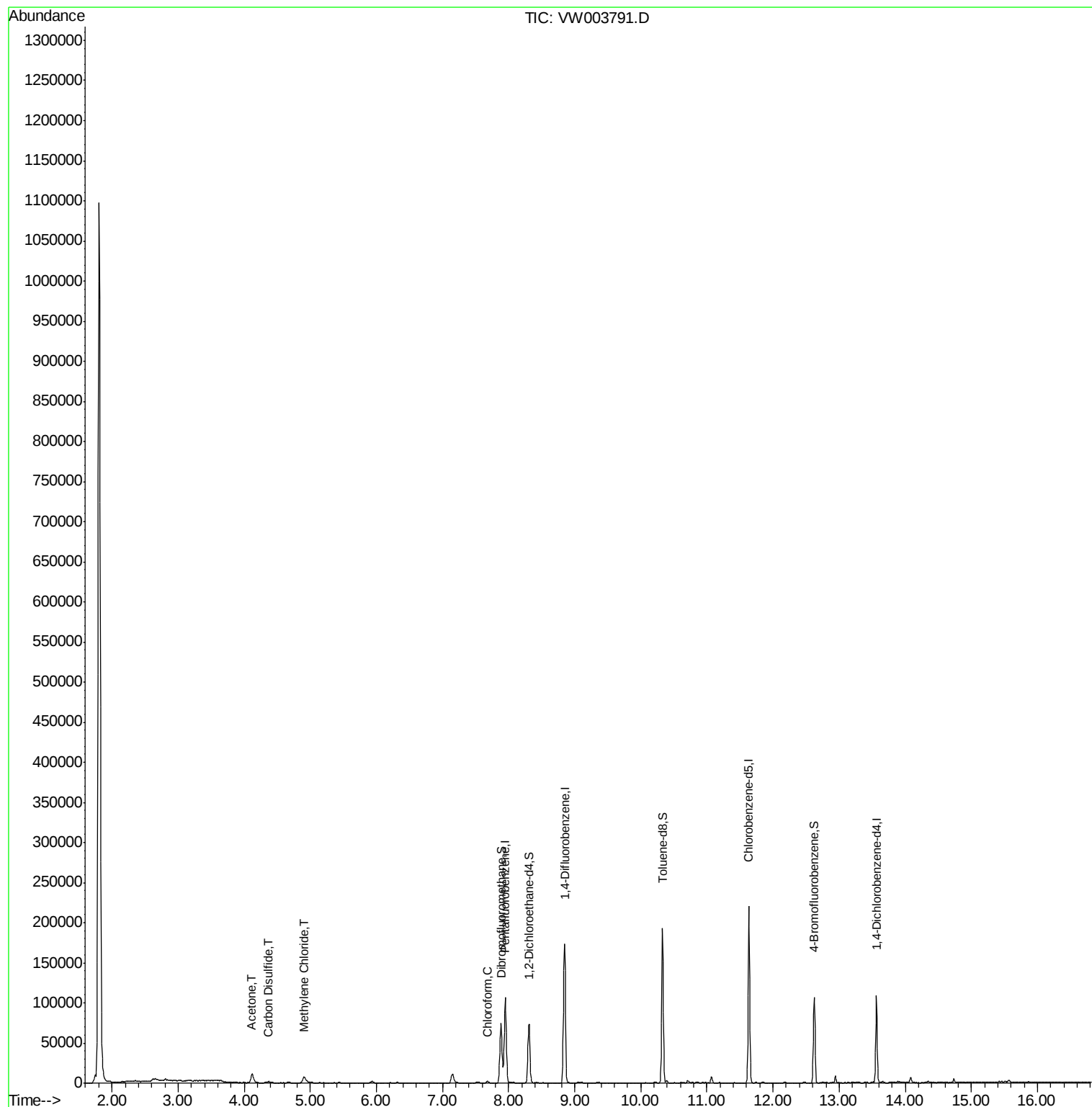
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 74524    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 137910   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 114514   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 27358    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 59252    | 60.80   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 121.60% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 52284    | 54.17   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 108.34% |          |
| 50) Toluene-d8              | 10.33 | 98   | 125313   | 33.94   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 67.88%  |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 29236    | 21.89   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 43.78%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 19534    | 115.528 | ug/l    | 96       |
| 17) Carbon Disulfide        | 4.37  | 76   | 3617     | 1.576   | ug/l #  | 92       |
| 20) Methylene Chloride      | 4.90  | 84   | 5838     | 2.960   | ug/l    | 84       |
| 30) Chloroform              | 7.68  | 83   | 1936     | 1.173   | ug/l #  | 79       |

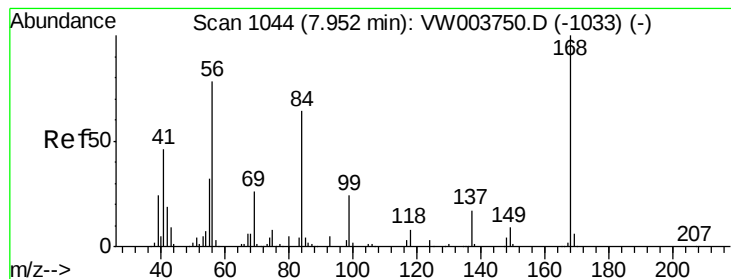
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
Data File : VW003791.D  
Acq On : 09 Jul 2018 21:12  
Operator : SY/AP  
Sample : J3886-02  
Misc : 6.01G/5ML/MSVOA W/SOIL  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-108-6A(60-62)

Quant Time: Jul 10 04:20:24 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jul 07 05:07:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

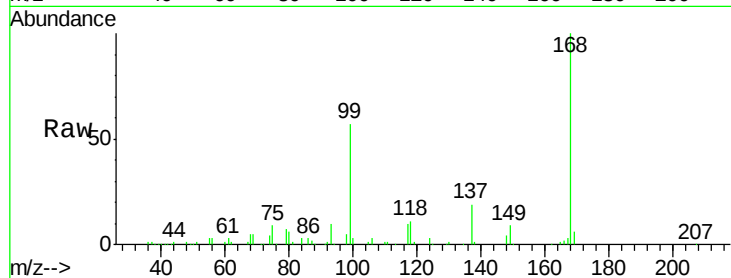
EPE-108-6A(60-62)

Tot Ion:168 Resp: 74524

Ion Ratio Lower Upper

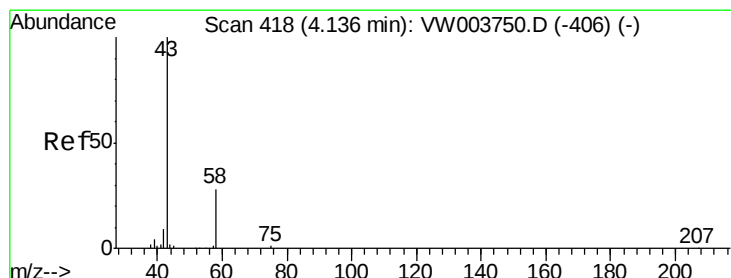
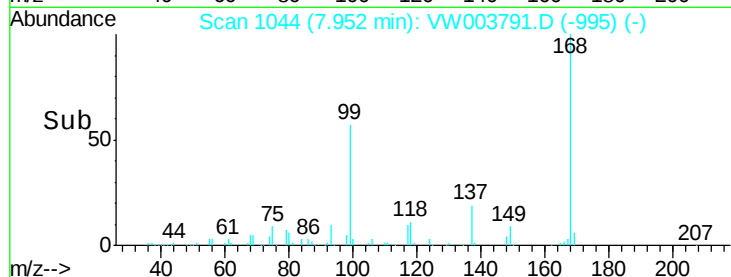
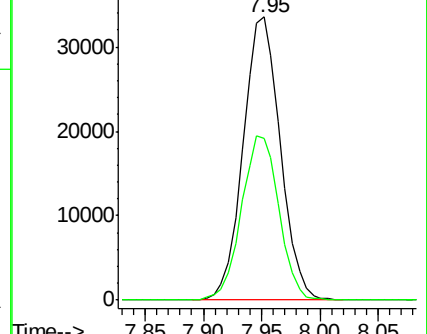
168 100

99 57.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 115.528 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW003791.D

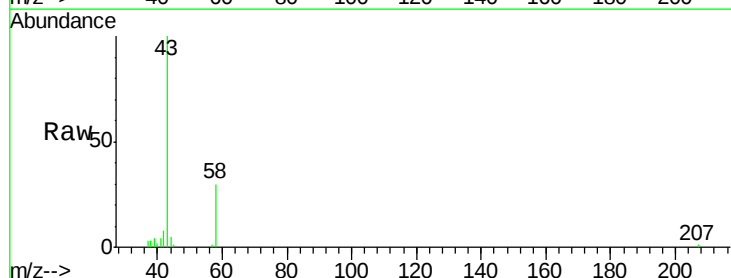
Acq: 09 Jul 2018 21:12

Tgt Ion: 43 Resp: 19534

Ion Ratio Lower Upper

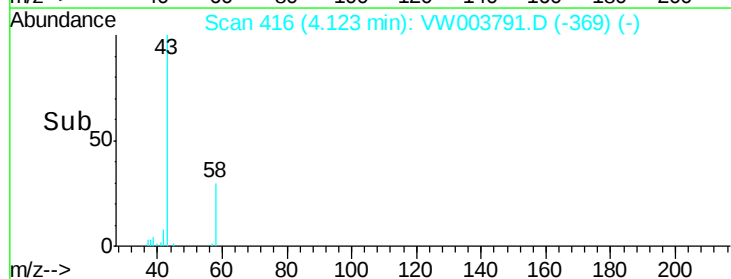
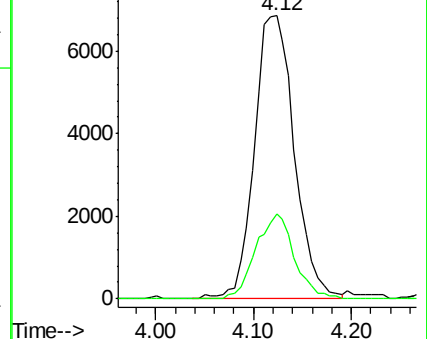
43 100

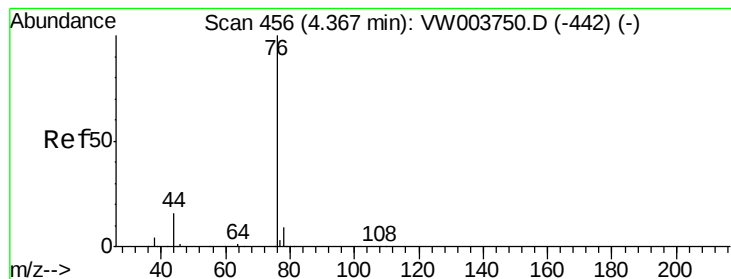
58 30.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 1.576 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

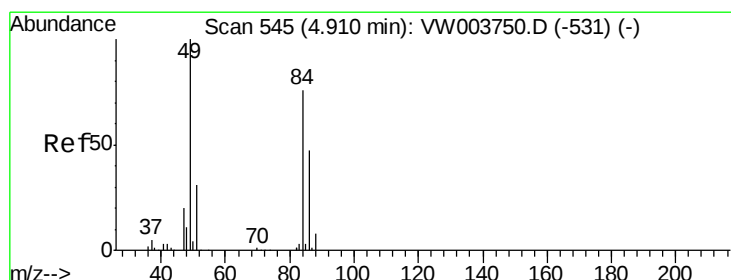
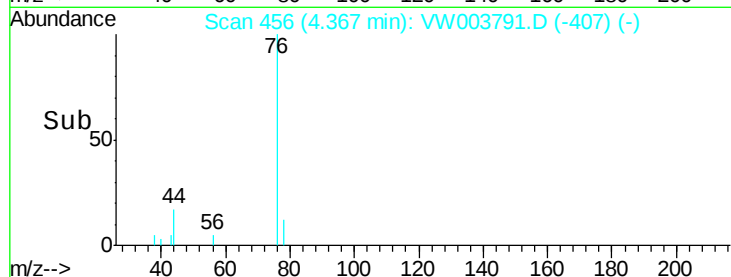
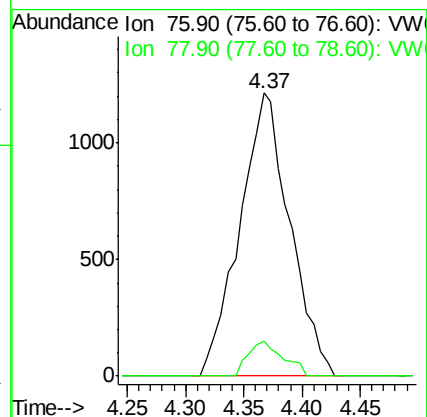
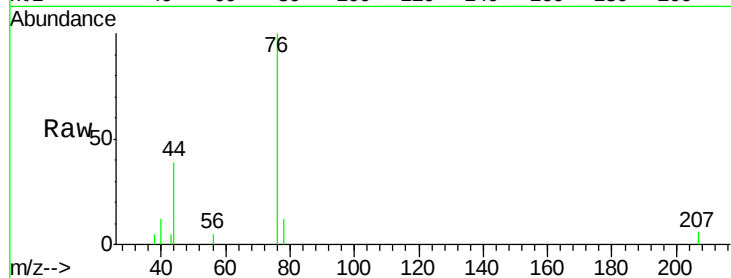
EPE-108-6A(60-62)

Tot Ion: 76 Resp: 3617

Ion Ratio Lower Upper

76 100

78 12.2 7.4 11.2#



#20

Methylene Chloride

Concen: 2.960 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Tgt Ion: 84 Resp: 5838

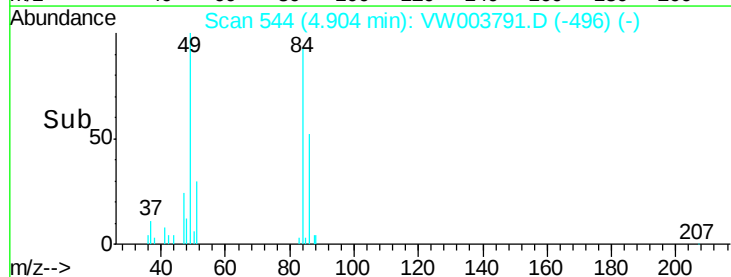
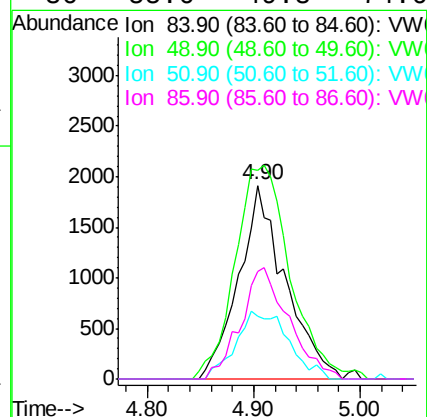
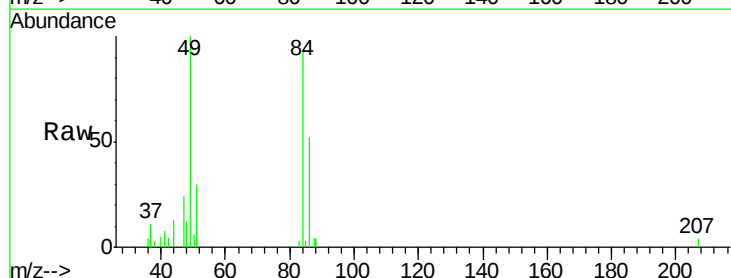
Ion Ratio Lower Upper

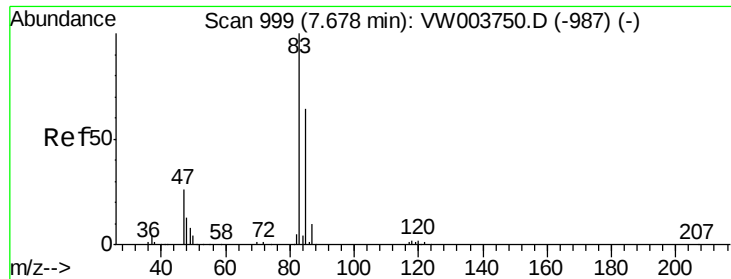
84 100

49 107.6 105.1 157.7

51 32.5 32.5 48.7

86 55.6 49.8 74.6

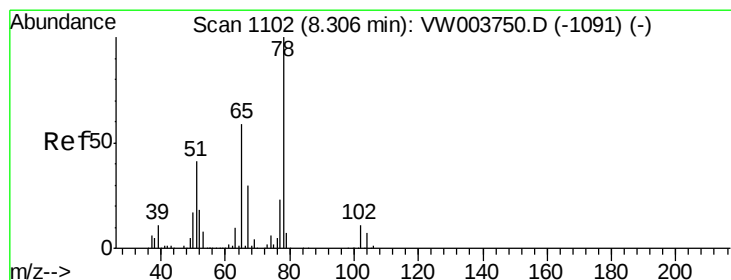
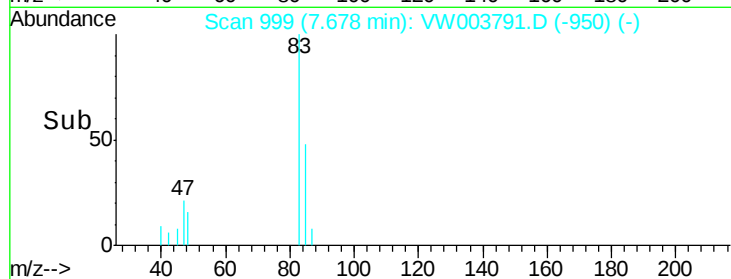
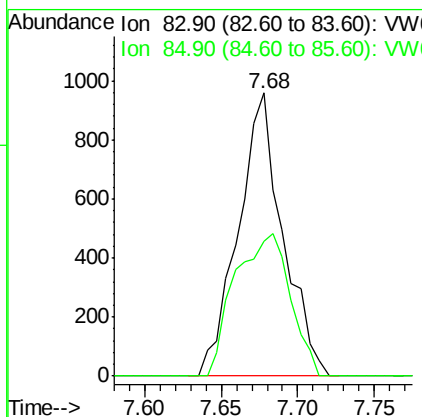
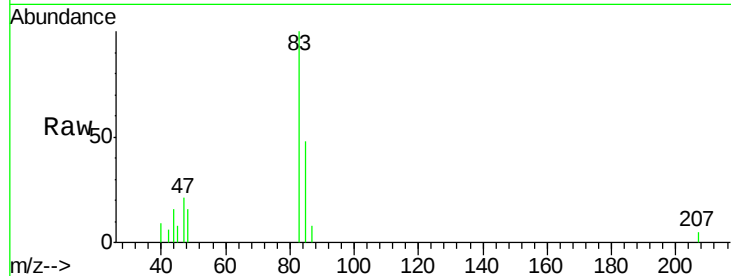




#30  
Chloroform  
Concen: 1.173 ug/l  
RT: 7.68 min Scan# 999  
Delta R.T. -0.00 min  
Lab File: VW003791.D  
Acq: 09 Jul 2018 21:12

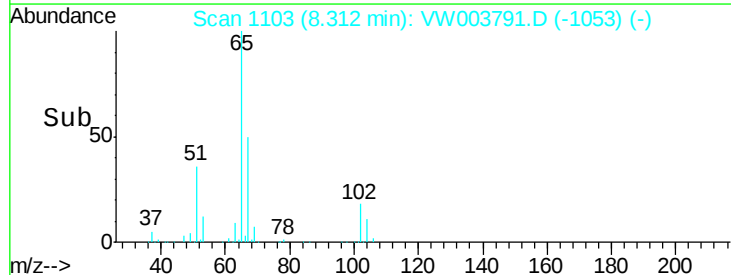
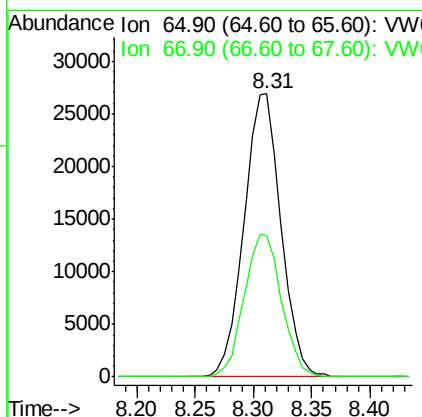
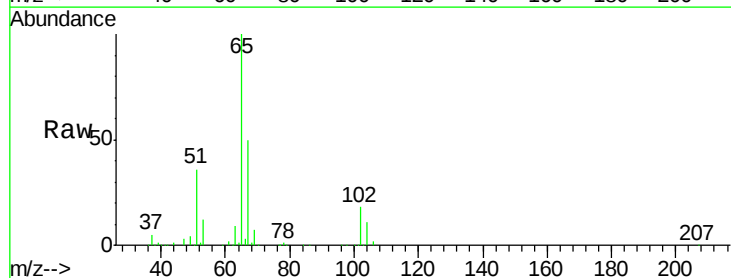
Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-108-6A(60-62)

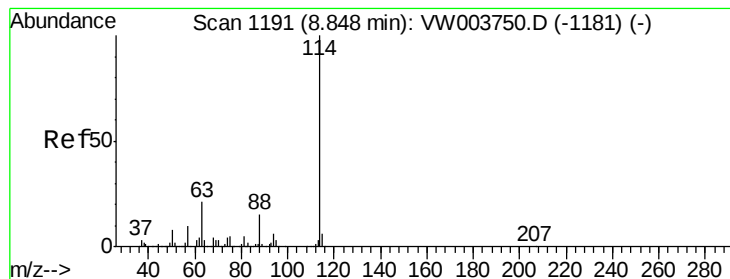
Tot Ion: 83 Resp: 1936  
Ion Ratio Lower Upper  
83 100  
85 47.6 51.5 77.3#



#33  
1,2-Dichloroethane-d4  
Concen: 60.798 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: VW003791.D  
Acq: 09 Jul 2018 21:12

Tgt Ion: 65 Resp: 59252  
Ion Ratio Lower Upper  
65 100  
67 51.1 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: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

EPE-108-6A(60-62)

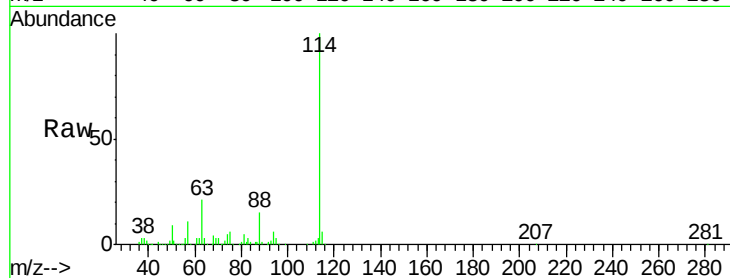
Tot Ion:114 Resp: 137910

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

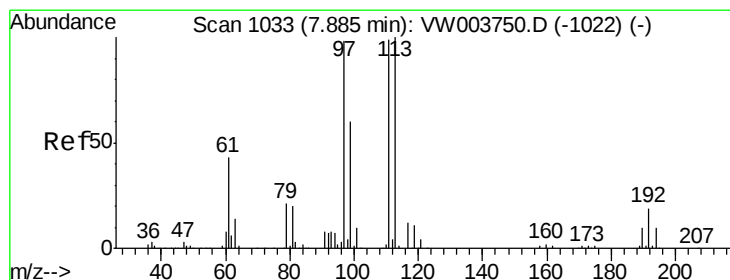
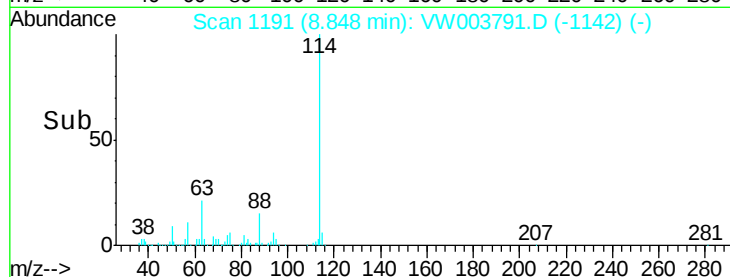
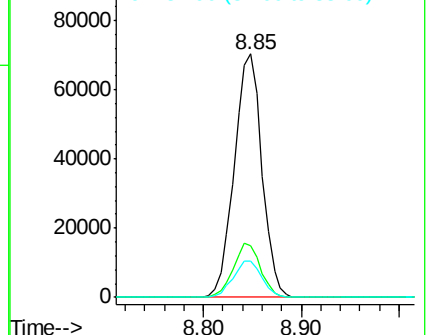
88 14.8 0.0 30.2



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: 54.168 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

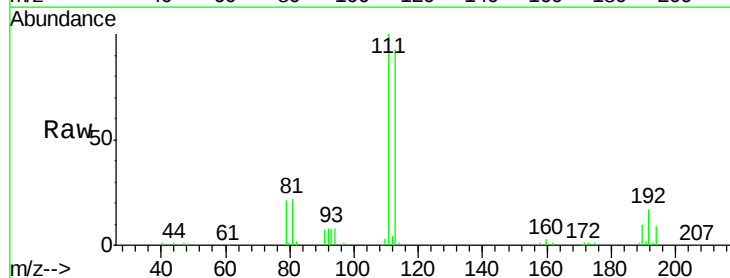
Tgt Ion:113 Resp: 52284

Ion Ratio Lower Upper

113 100

111 103.0 81.7 122.5

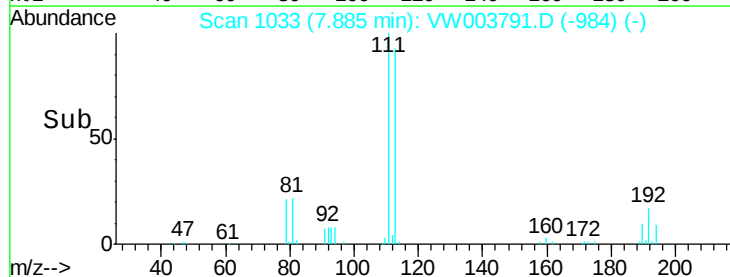
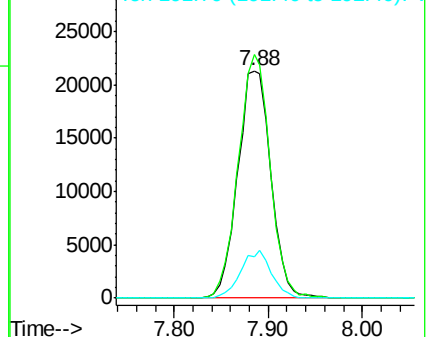
192 19.7 15.8 23.8

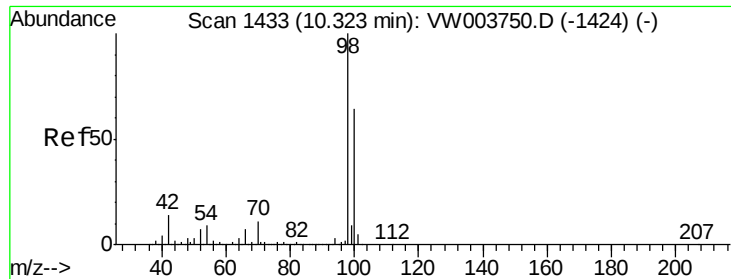


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 33.940 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

Instrument :

MSVOA\_W

ClientSampleId :

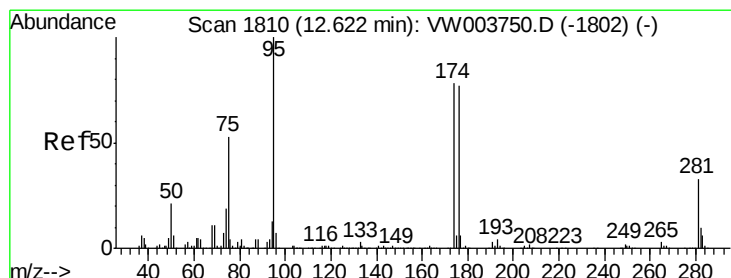
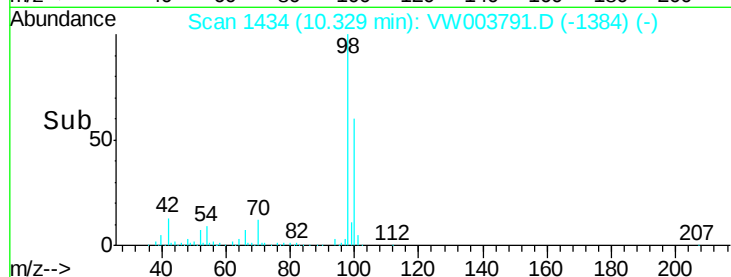
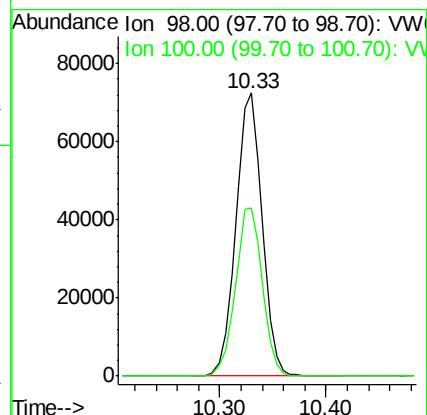
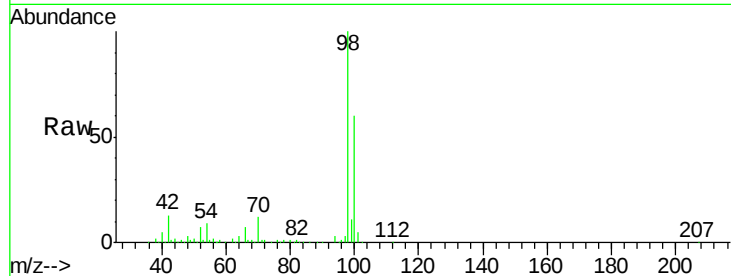
EPE-108-6A(60-62)

Tot Ion: 98 Resp: 125313

Ion Ratio Lower Upper

98 100

100 60.9 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 21.885 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003791.D

Acq: 09 Jul 2018 21:12

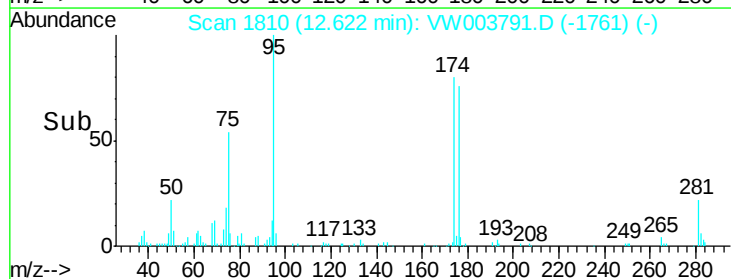
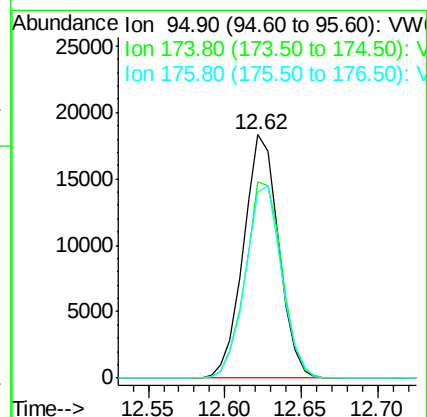
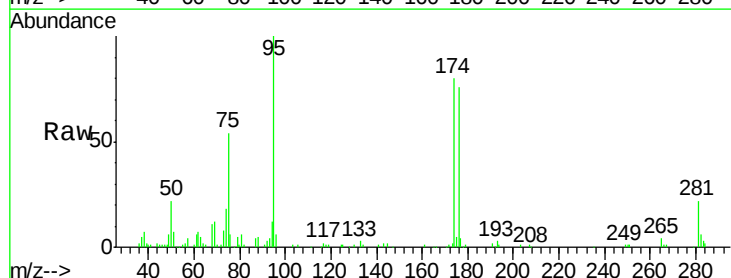
Tgt Ion: 95 Resp: 29236

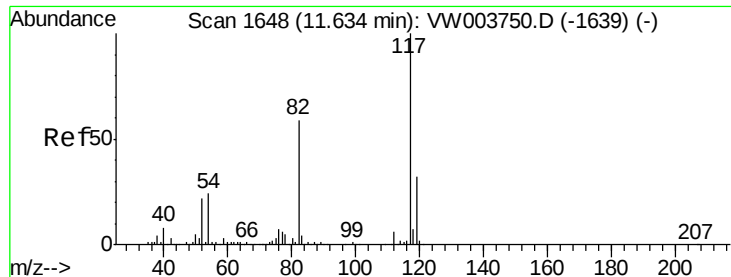
Ion Ratio Lower Upper

95 100

174 83.8 0.0 163.4

176 81.4 0.0 156.8

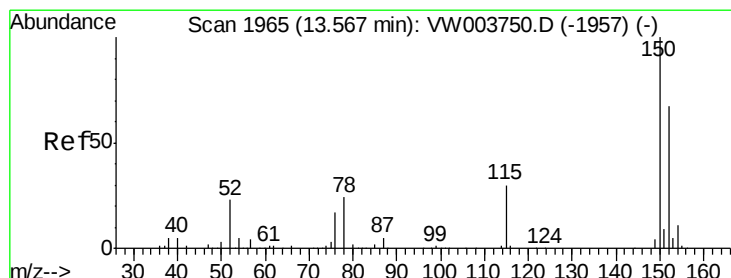
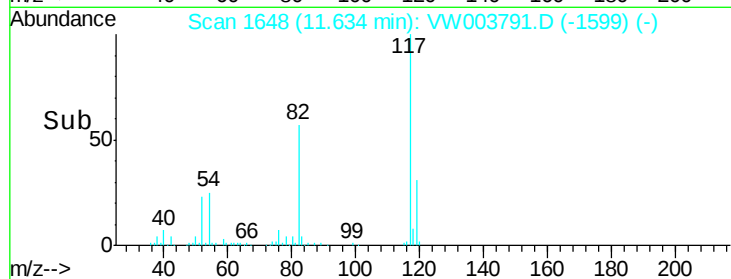
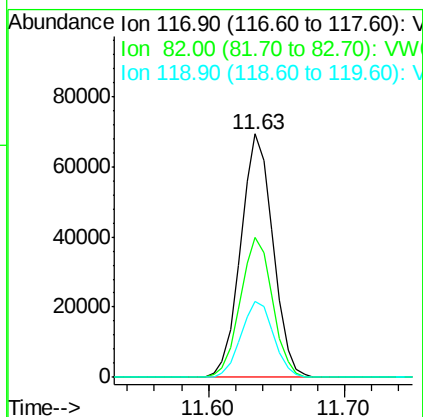
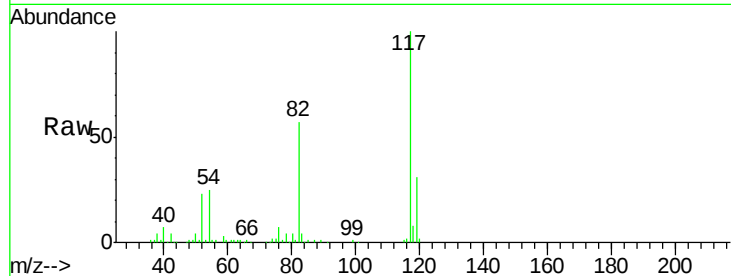




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003791.D  
Acq: 09 Jul 2018 21:12

Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-108-6A(60-62)

Tot Ion:117 Resp: 114514  
Ion Ratio Lower Upper  
117 100  
82 57.3 46.9 70.3  
119 31.0 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: VW003791.D  
Acq: 09 Jul 2018 21:12

Tgt Ion:152 Resp: 27358  
Ion Ratio Lower Upper  
152 100  
115 59.0 28.9 86.8  
150 158.6 0.0 342.4

