

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\  
 Data File : VW003620.D  
 Acq On : 27 Jun 2018 18:06  
 Operator : SY/AP  
 Sample : J3688-02RE  
 Misc : 5.84G/5ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-109-6(65-67)RE

Quant Time: Jun 28 06:44:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 05:18:54 2018  
 Response via : Initial Calibration

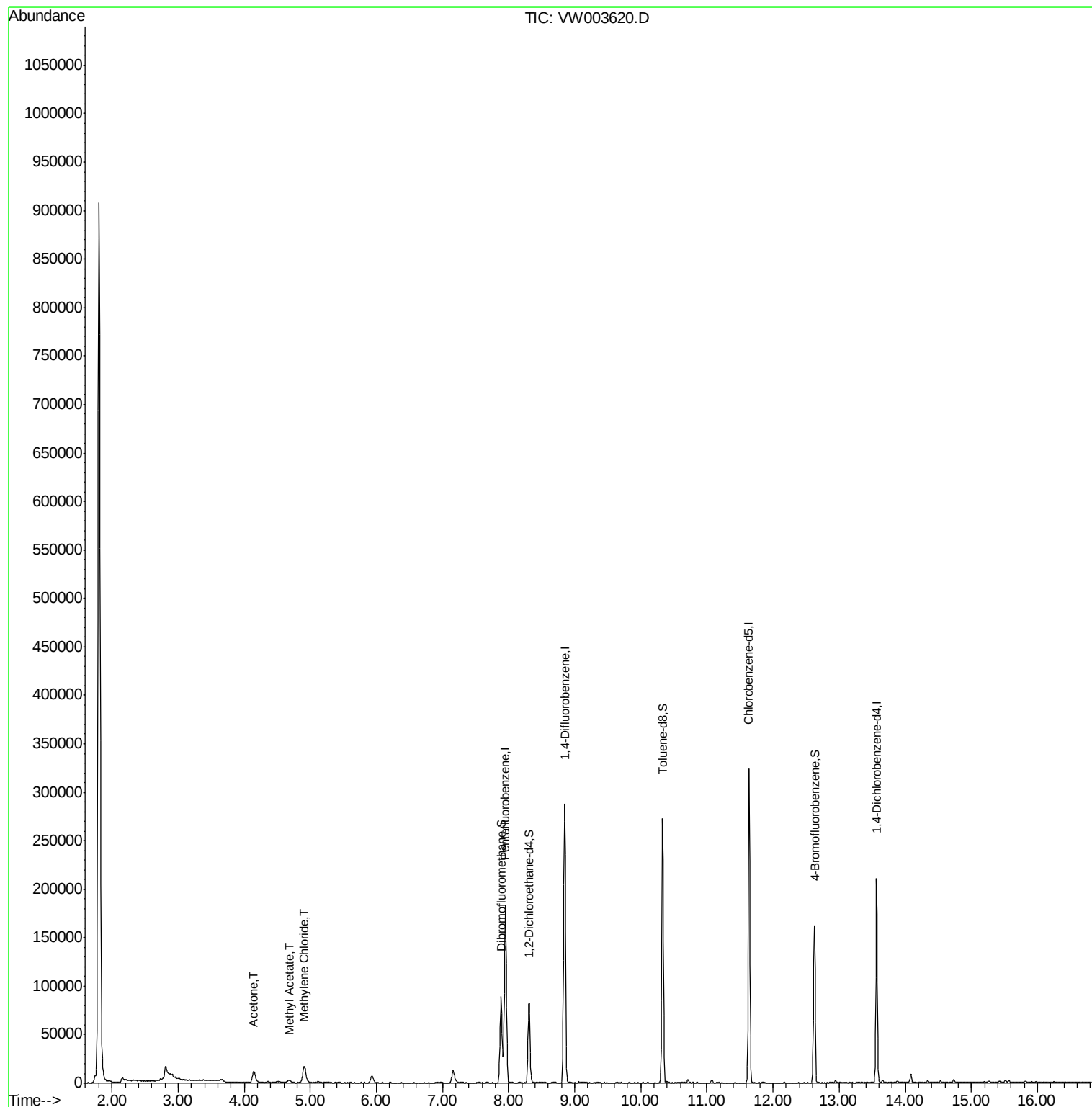
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 129943   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 224156   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 173415   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 51487    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 66293    | 47.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.20% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 60308    | 43.30 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.60% |          |
| 50) Toluene-d8              | 10.33 | 98   | 172412   | 31.22 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 62.44% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 42886    | 21.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 43.88% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 4.15  | 43   | 24246    | 82.14 | ug/l   | 96       |
| 18) Methyl Acetate          | 4.68  | 43   | 5670     | 8.10  | ug/l   | 97       |
| 20) Methylene Chloride      | 4.91  | 84   | 13198    | 7.40  | ug/l # | 88       |

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

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EPE-109-6(65-67)RE

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 05:18:54 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003620.D

Acq: 27 Jun 2018 18:06

Instrument :

MSVOA\_W

ClientSampleId :

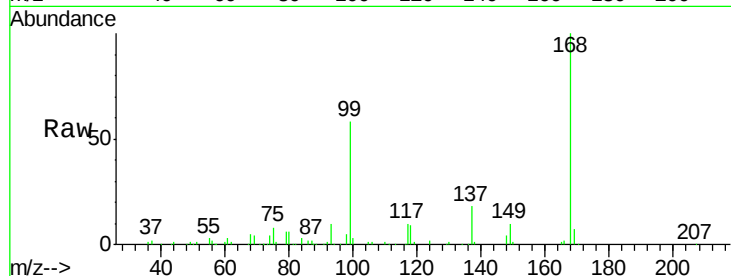
EPE-109-6(65-67)RE

Tot Ion:168 Resp: 129943

Ion Ratio Lower Upper

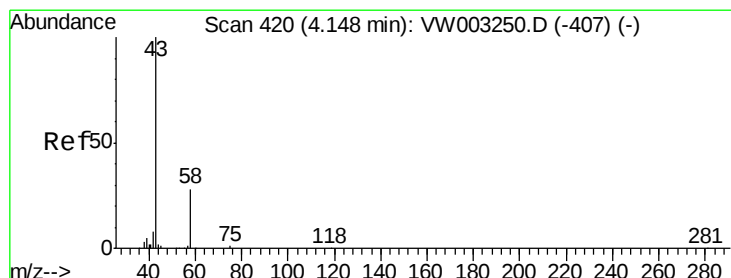
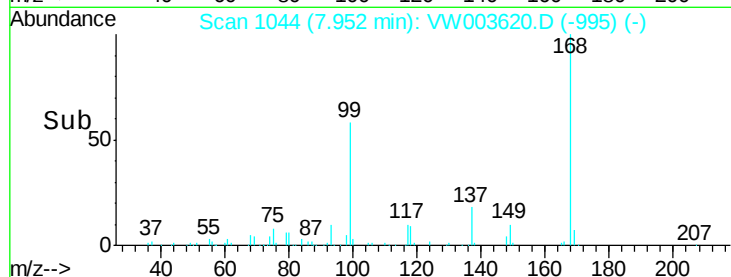
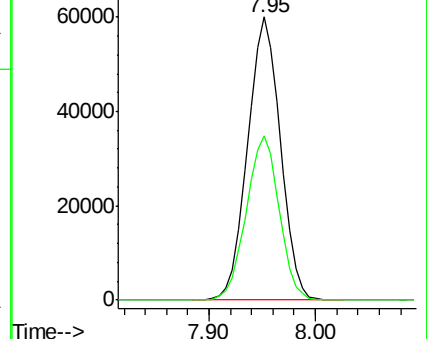
168 100

99 57.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 82.14 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003620.D

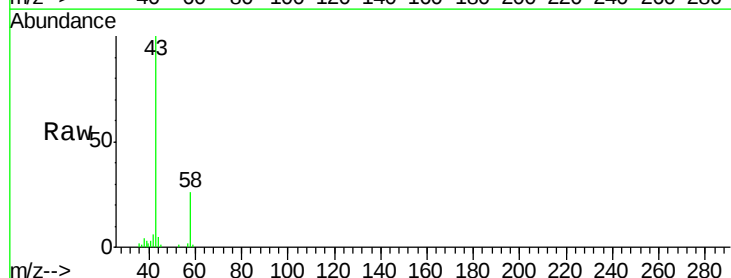
Acq: 27 Jun 2018 18:06

Tgt Ion: 43 Resp: 24246

Ion Ratio Lower Upper

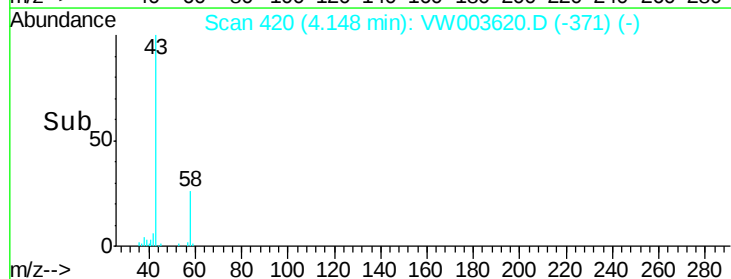
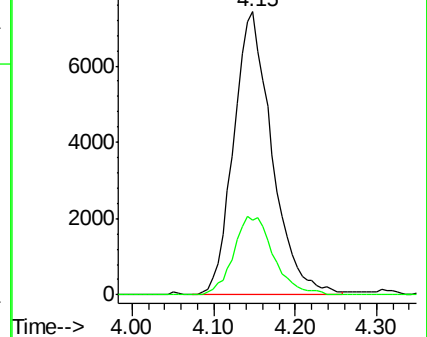
43 100

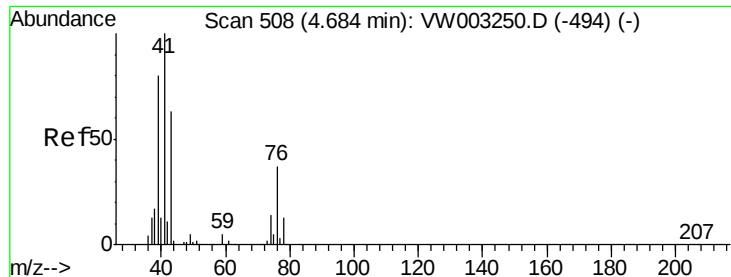
58 26.4 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

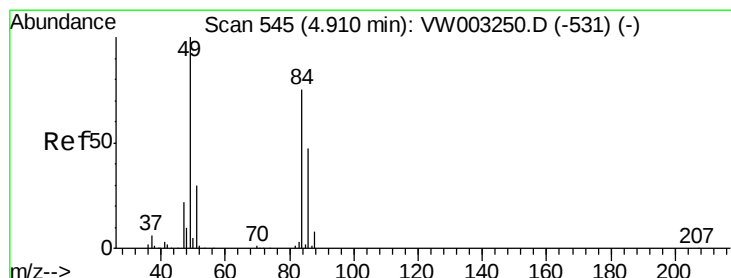
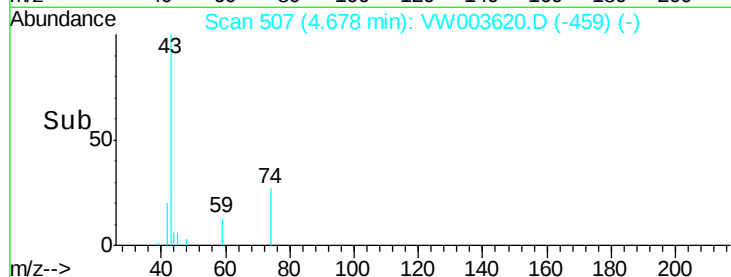
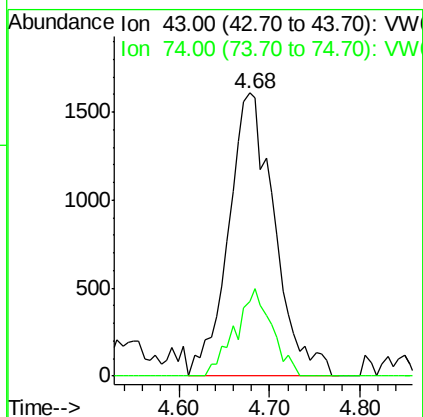
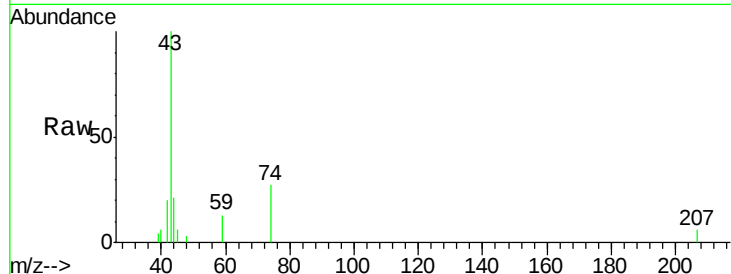




#18  
Methvl Acetate  
Concen: 8.10 ug/l  
RT: 4.68 min Scan# 507  
Delta R.T. -0.01 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

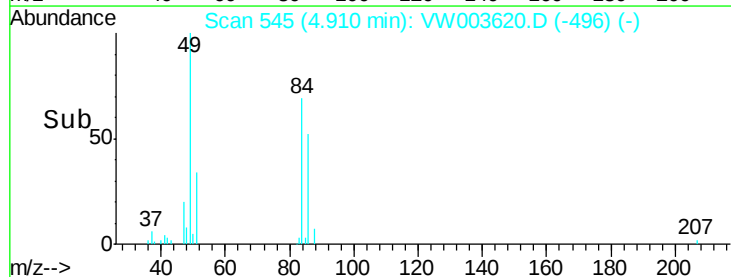
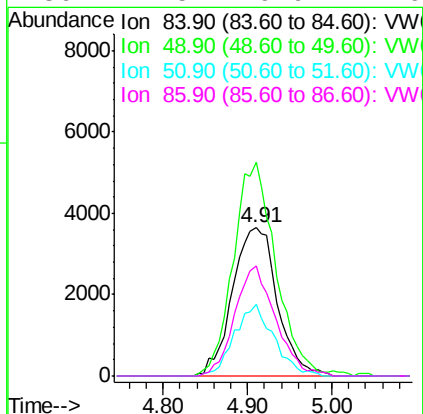
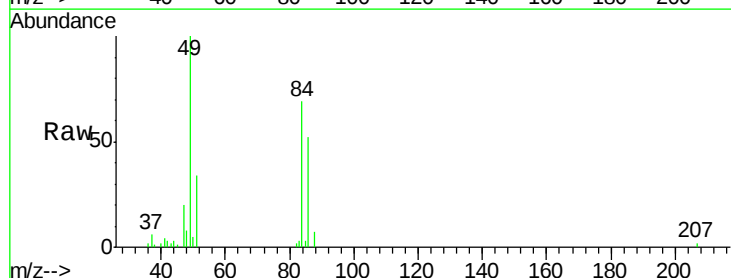
Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-109-6(65-67)RE

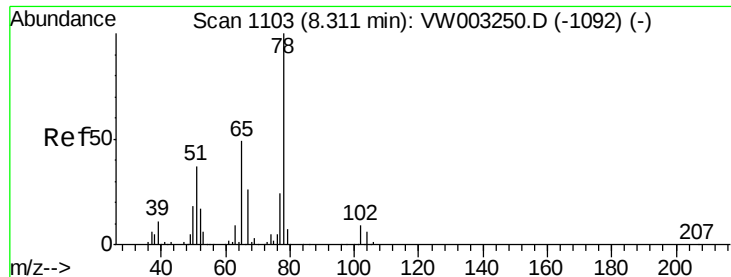
Tot Ion: 43 Resp: 5670  
Ion Ratio Lower Upper  
43 100  
74 24.7 18.7 28.1



#20  
Methylene Chloride  
Concen: 7.40 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

Tgt Ion: 84 Resp: 13198  
Ion Ratio Lower Upper  
84 100  
49 144.0 106.3 159.5  
51 48.7 32.0 48.0#  
86 74.5 49.9 74.9





#33

1,2-Dichloroethane-d4

Concen: 47.10 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003620.D

Acq: 27 Jun 2018 18:06

Instrument :

MSVOA\_W

ClientSampleId :

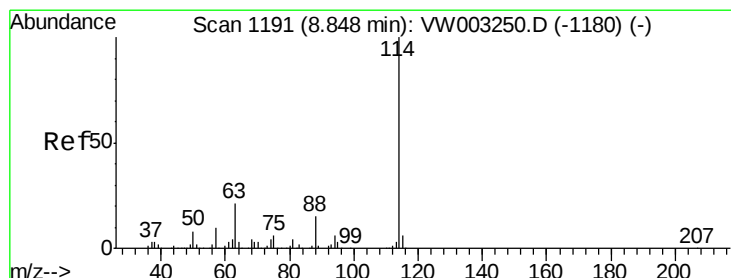
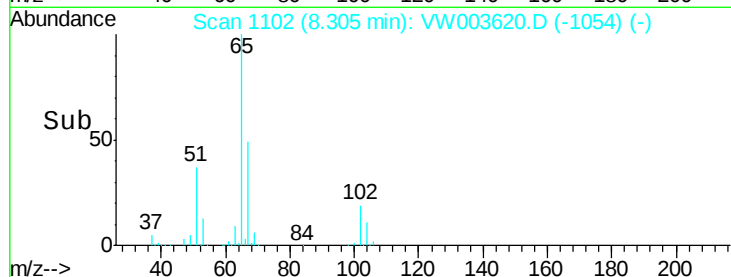
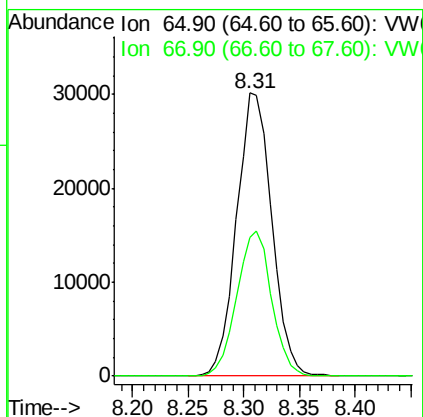
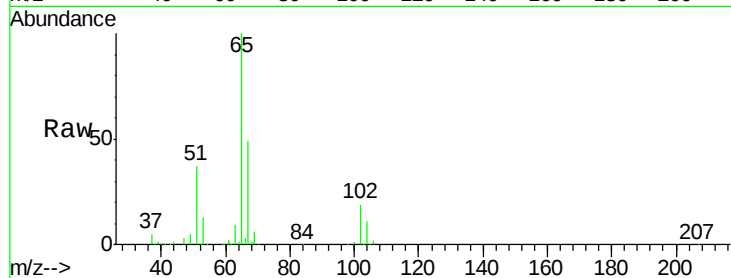
EPE-109-6(65-67)RE

Tot Ion: 65 Resp: 66293

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003620.D

Acq: 27 Jun 2018 18:06

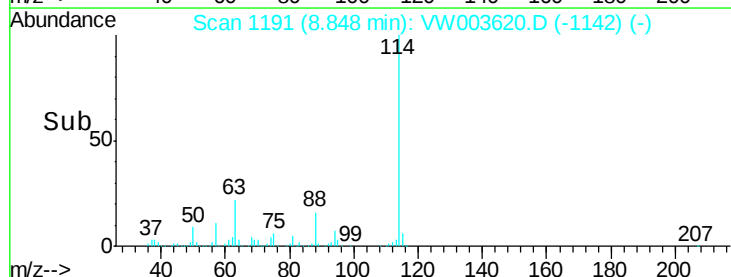
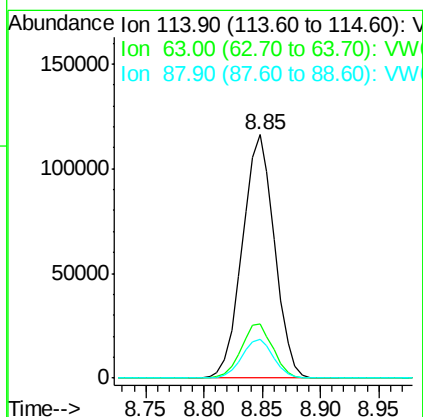
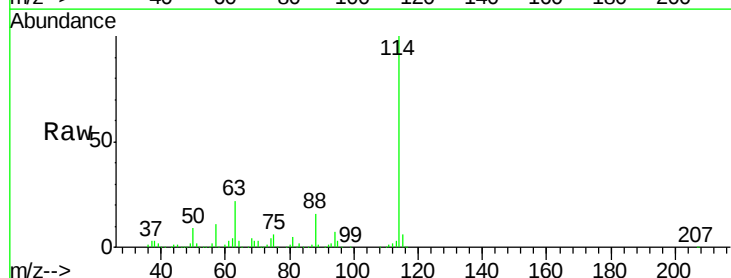
Tgt Ion: 114 Resp: 224156

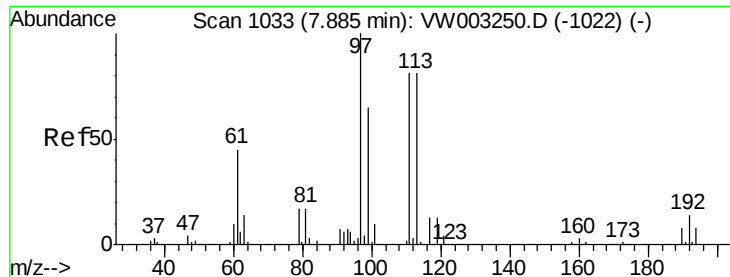
Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

88 15.7 0.0 29.6

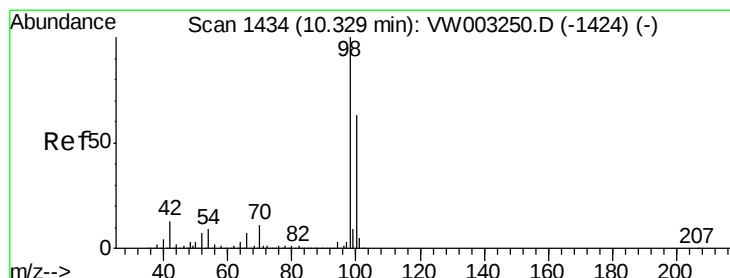
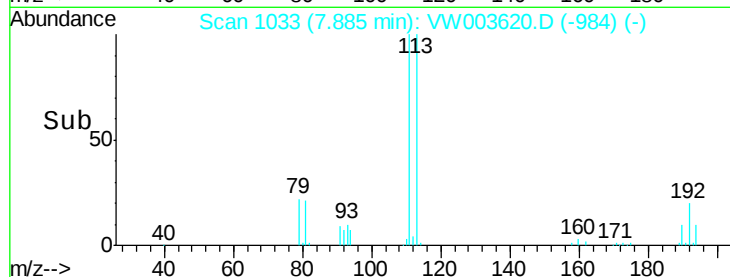
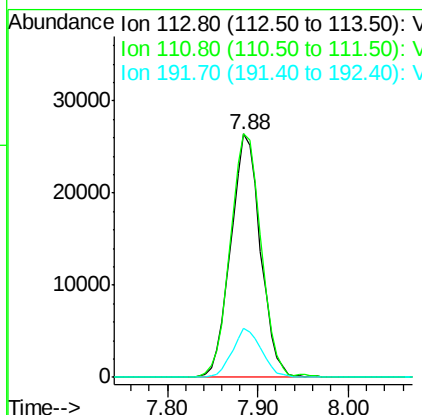
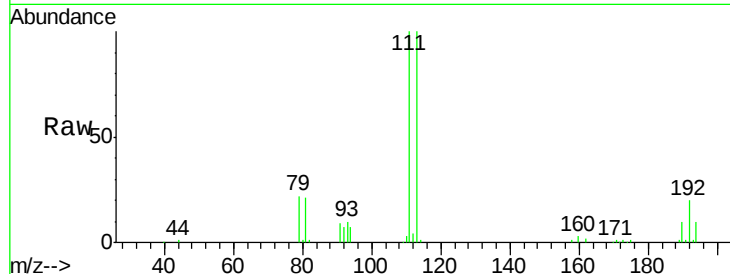




#35  
Dibromofluoromethane  
Concen: 43.30 ug/l  
RT: 7.88 min Scan# 1033  
Delta R.T. 0.00 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

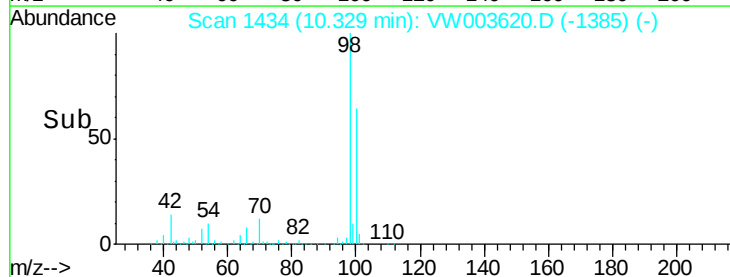
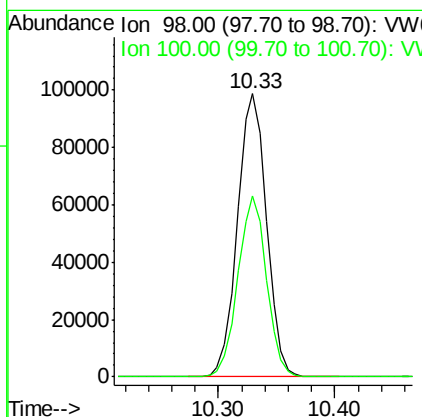
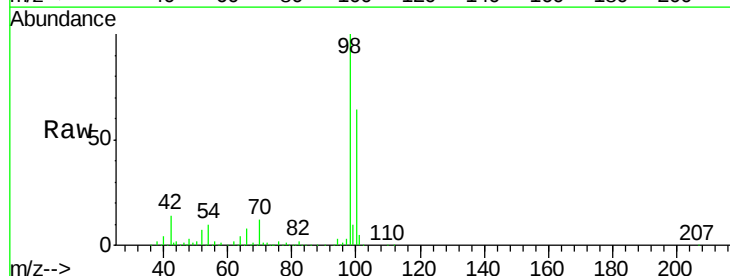
Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-109-6(65-67)RE

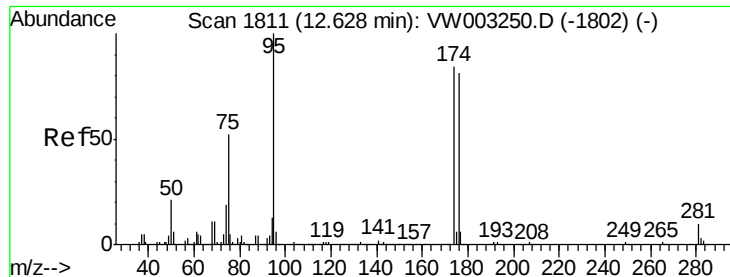
Tot Ion:113 Resp: 60308  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.2 123.2  
192 19.6 16.2 24.2



#50  
Toluene-d8  
Concen: 31.22 ug/l  
RT: 10.33 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

Tgt Ion: 98 Resp: 172412  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.8 76.2

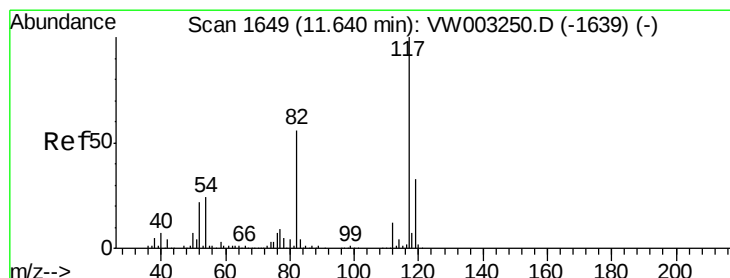
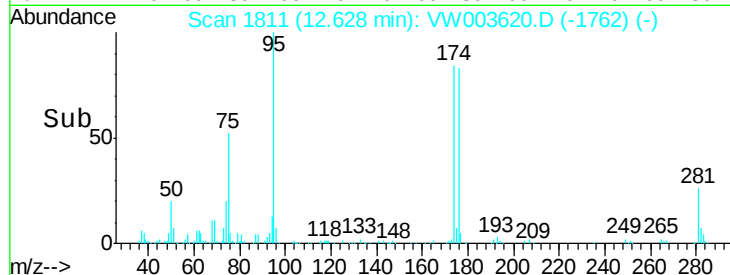
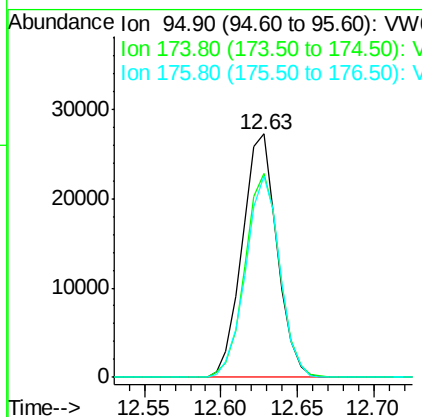
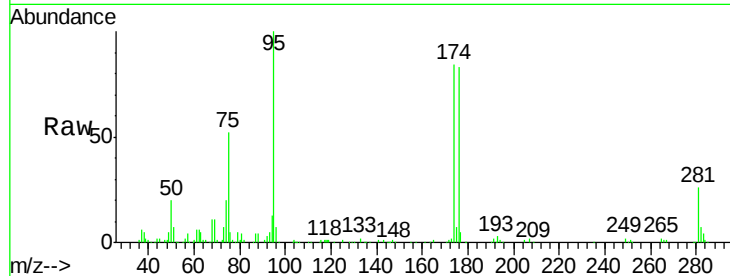




#62  
4-Bromofluorobenzene  
Concen: 21.94 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. 0.00 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

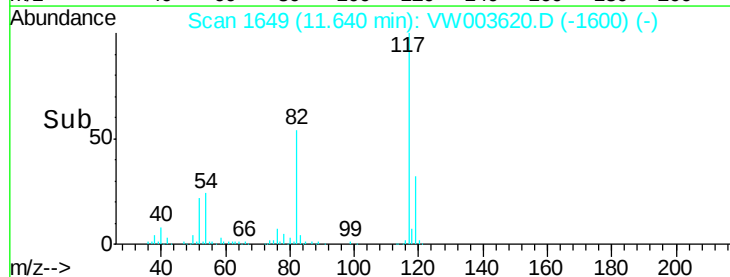
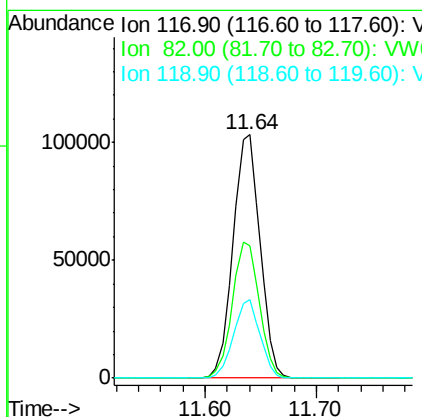
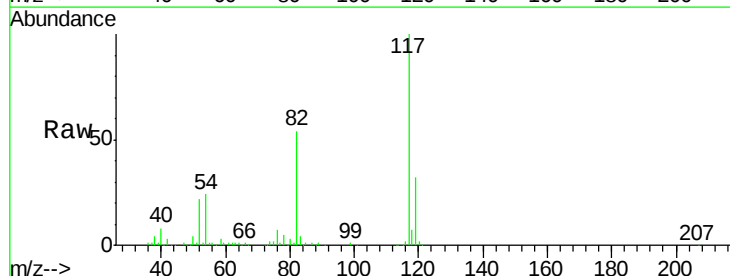
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EPE-109-6(65-67)RE

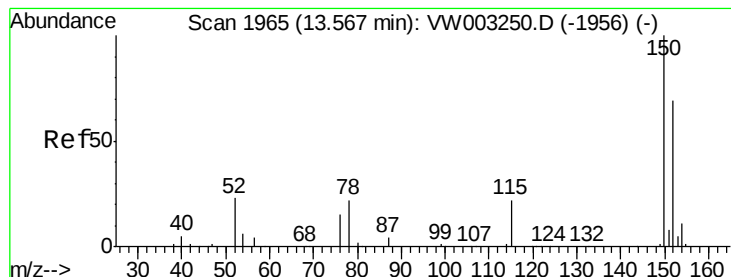
Tot Ion: 95 Resp: 42886  
Ion Ratio Lower Upper  
95 100  
174 83.7 0.0 166.4  
176 81.5 0.0 162.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. 0.00 min  
Lab File: VW003620.D  
Acq: 27 Jun 2018 18:06

Tgt Ion: 117 Resp: 173415  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.6 67.0  
119 32.4 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003620.D

Acq: 27 Jun 2018 18:06

Instrument :

MSVOA\_W

ClientSampleId :

EPE-109-6(65-67)RE

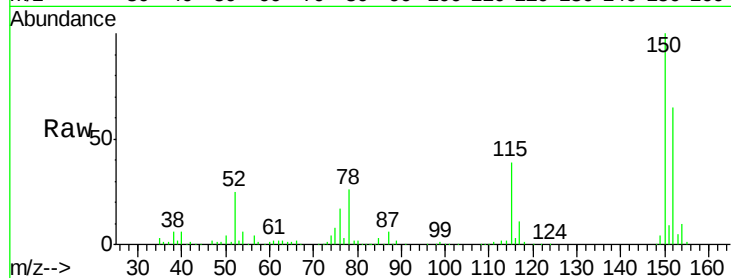
Tot Ion:152 Resp: 51487

Ion Ratio Lower Upper

152 100

115 57.5 29.3 88.0

150 157.6 0.0 349.6



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

