

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\  
 Data File : VW008267.D  
 Acq On : 15 Jan 2019 02:17  
 Operator : SY/VA  
 Sample : K1139-07  
 Misc : 5.51G/5ML/MSVOA W/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 S-4

Quant Time: Jan 15 11:17:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 2019  
 Response via : Initial Calibration

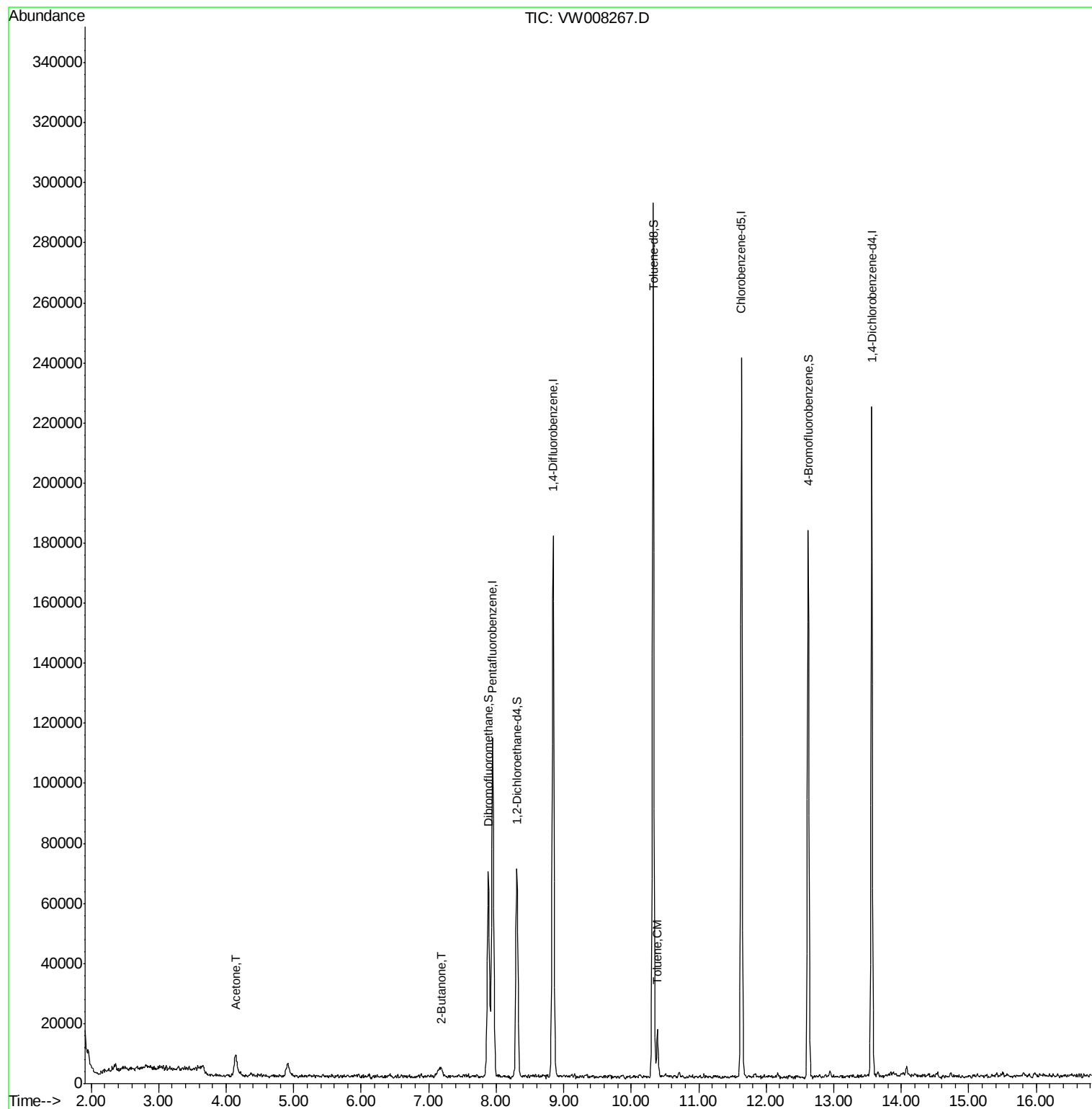
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 81658    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 145694   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 131514   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 53906    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 50845    | 55.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.80% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 48609    | 57.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.40% |          |
| 50) Toluene-d8              | 10.32 | 98   | 185262   | 51.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.90% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 57785    | 45.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.40%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.14  | 43   | 14761    | 74.643 | ug/l    | 97       |
| 25) 2-Butanone              | 7.19  | 43   | 4445     | 17.407 | ug/l #  | 88       |
| 52) Toluene                 | 10.39 | 92   | 5988     | 2.303  | ug/l    | 94       |

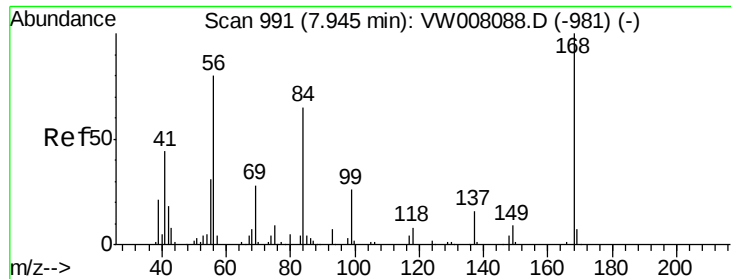
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-4

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Quant Title : SW846 8260  
QLast Update : Wed Jan 09 04:40:48 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

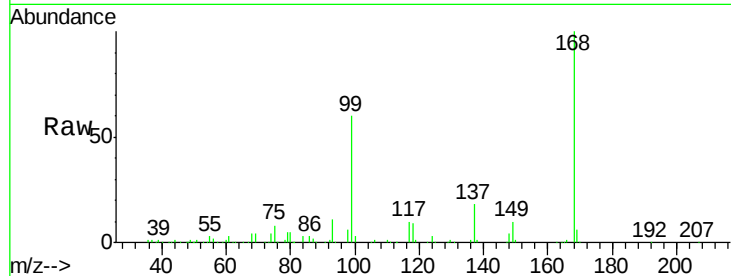
Instrument :  
MSVOA\_W  
ClientSampled :  
S-4

Tot Ion:168 Resp: 81658

Ion Ratio Lower Upper

168 100

99 59.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

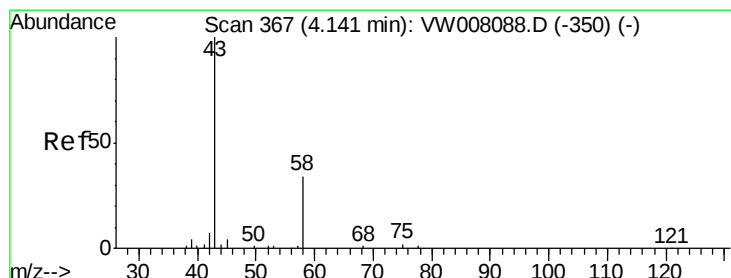
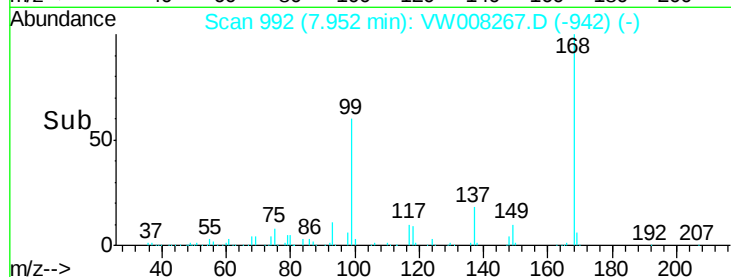
20000

10000

0

Time-->

7.90 8.00



#16

Acetone

Concen: 74.643 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008267.D

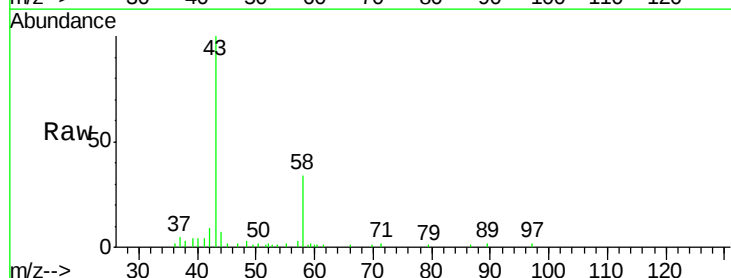
Acq: 15 Jan 2019 02:17

Tgt Ion: 43 Resp: 14761

Ion Ratio Lower Upper

43 100

58 32.4 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

5000

4000

3000

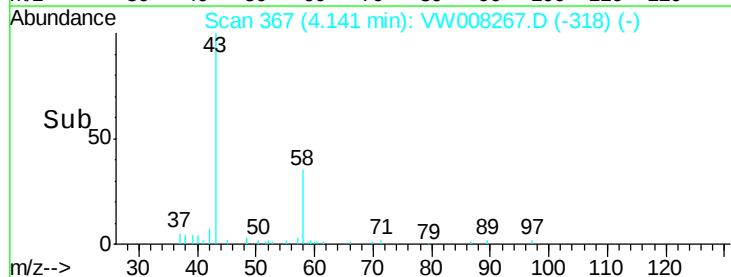
2000

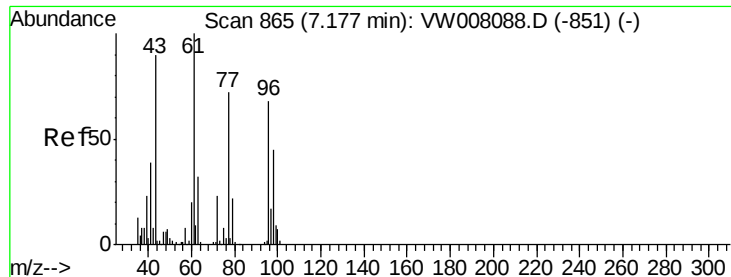
1000

0

Time-->

4.00 4.10 4.20





#25

2-Butanone

Concen: 17.407 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA\_W

ClientSampled :

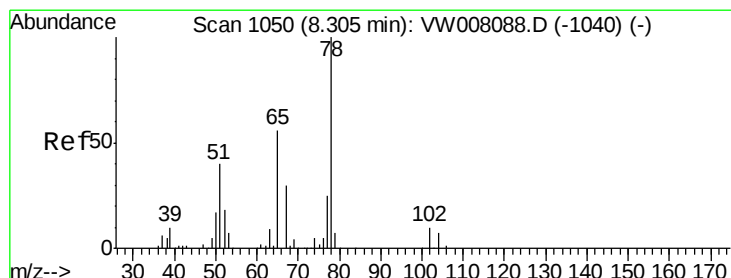
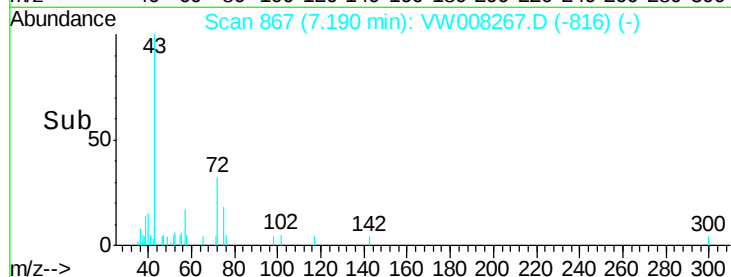
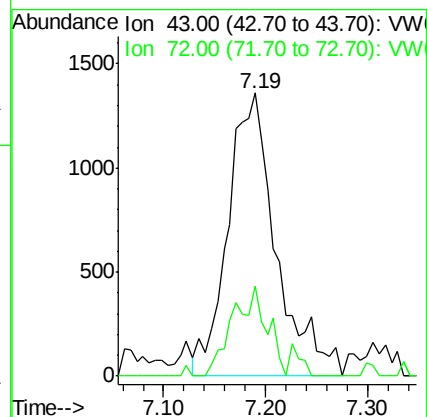
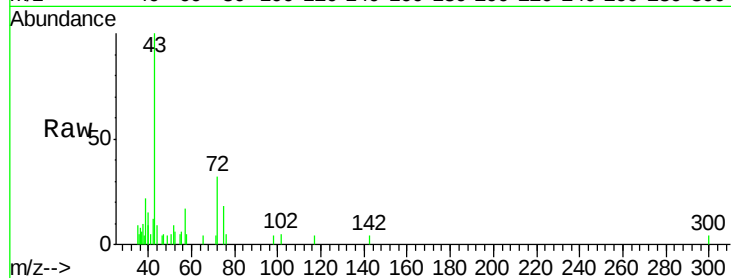
S-4

Tot Ion: 43 Resp: 4445

Ion Ratio Lower Upper

43 100

72 31.6 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 55.401 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008267.D

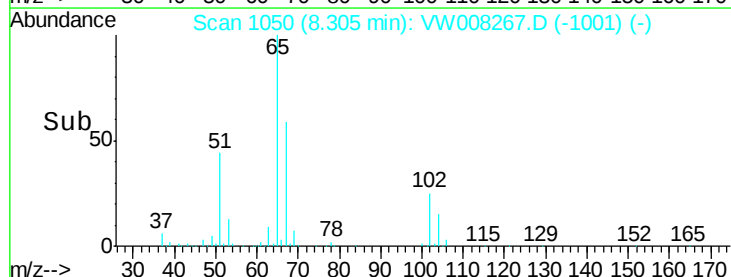
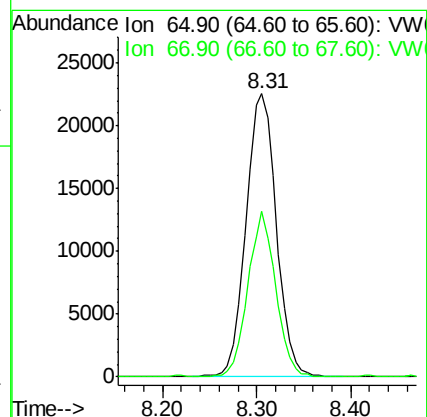
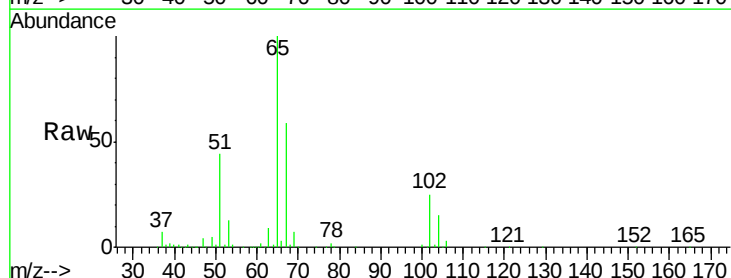
Acq: 15 Jan 2019 02:17

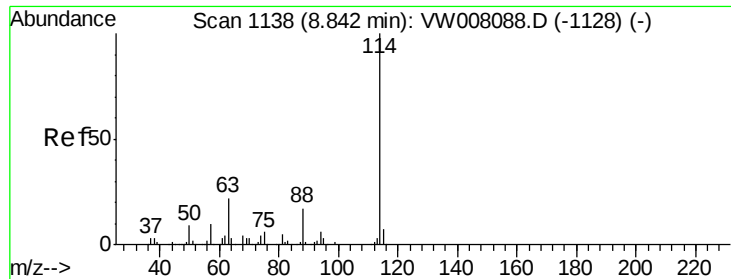
Tgt Ion: 65 Resp: 50845

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8

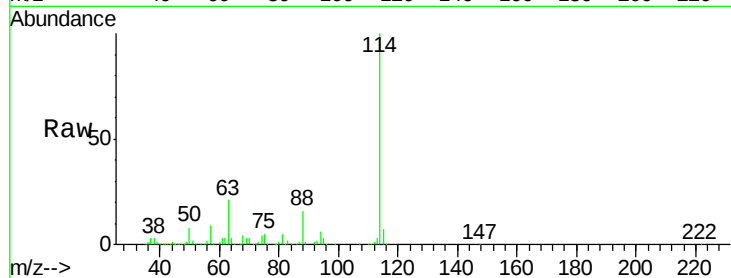




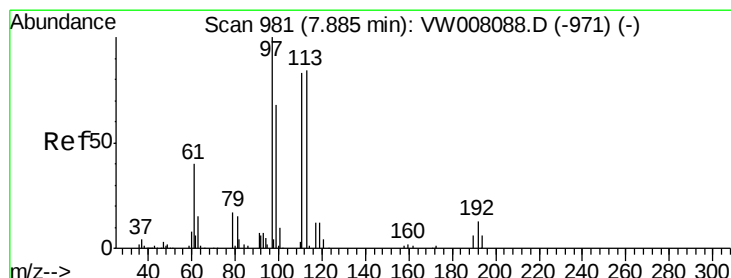
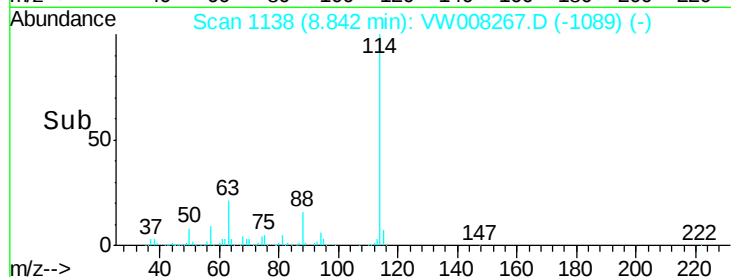
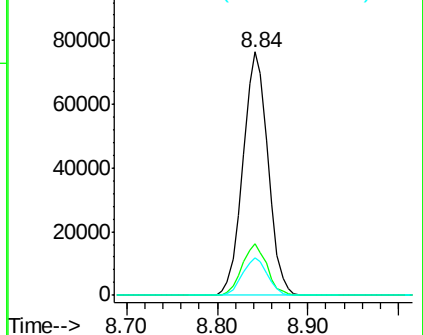
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. 0.00 min  
 Lab File: VW008267.D  
 Acq: 15 Jan 2019 02:17

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 S-4

Tot Ion:114 Resp: 145694  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 43.4  
 88 15.6 0.0 33.4

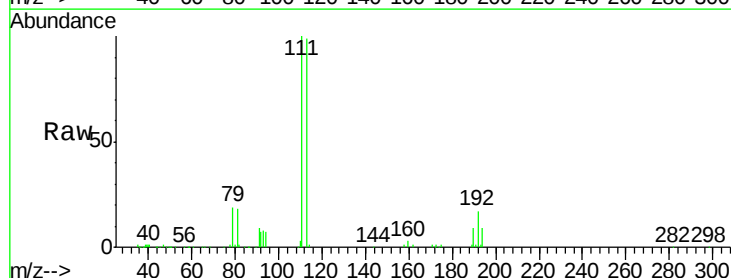


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VV  
 Ion 87.90 (87.60 to 88.60): VV

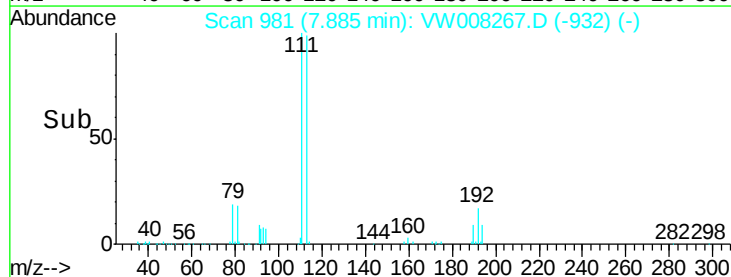
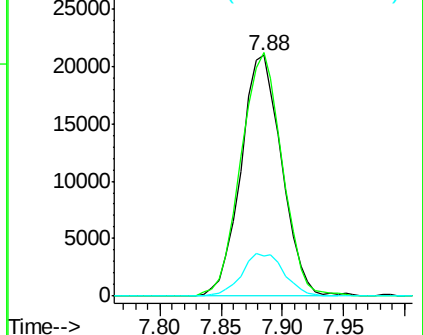


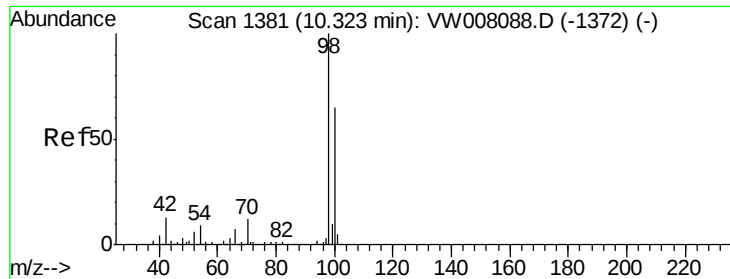
#35  
 Dibromofluoromethane  
 Concen: 57.204 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. 0.00 min  
 Lab File: VW008267.D  
 Acq: 15 Jan 2019 02:17

Tgt Ion:113 Resp: 48609  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 81.8 122.8  
 192 18.4 12.8 19.2



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

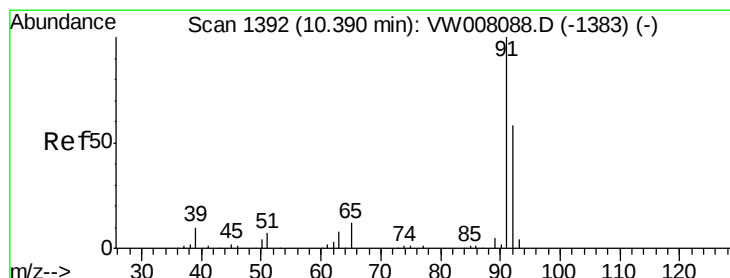
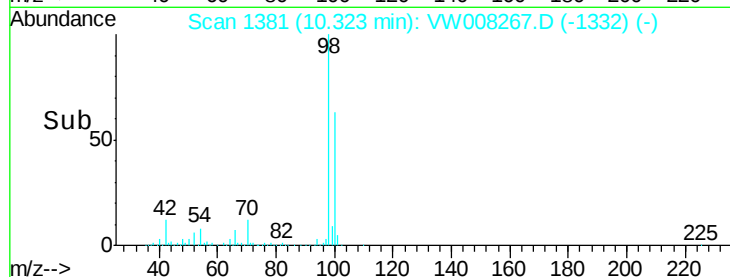
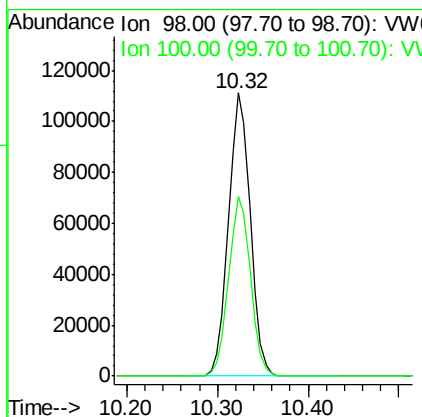
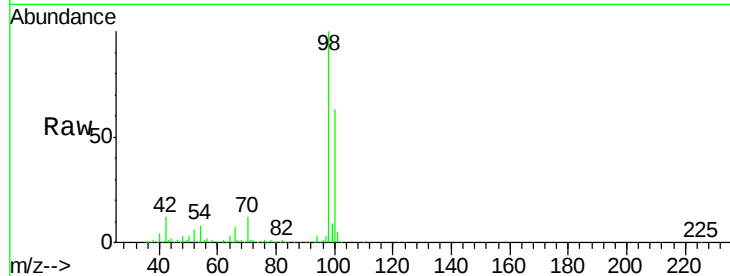




#50  
Toluene-d8  
Concen: 51.954 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. 0.00 min  
Lab File: VW008267.D  
Acq: 15 Jan 2019 02:17

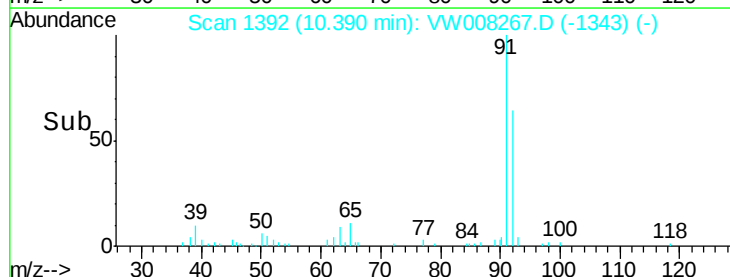
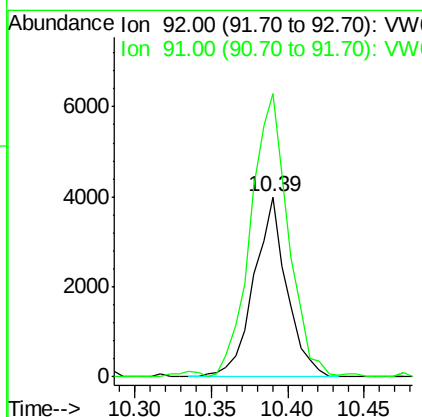
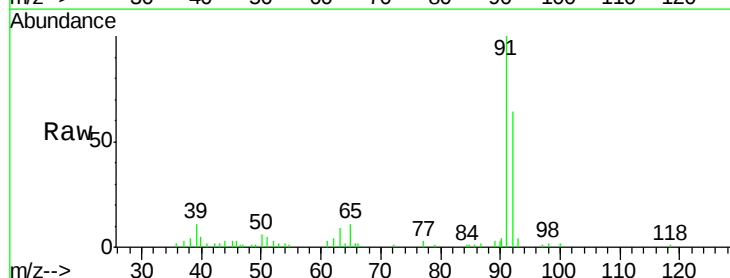
Instrument :  
MSVOA\_W  
ClientSampled :  
S-4

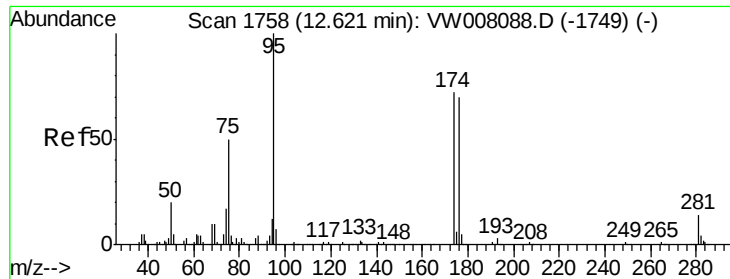
Tot Ion: 98 Resp: 185262  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.7 77.5



#52  
Toluene  
Concen: 2.303 ug/l  
RT: 10.39 min Scan# 1392  
Delta R.T. 0.00 min  
Lab File: VW008267.D  
Acq: 15 Jan 2019 02:17

Tgt Ion: 92 Resp: 5988  
Ion Ratio Lower Upper  
92 100  
91 179.7 137.0 205.4

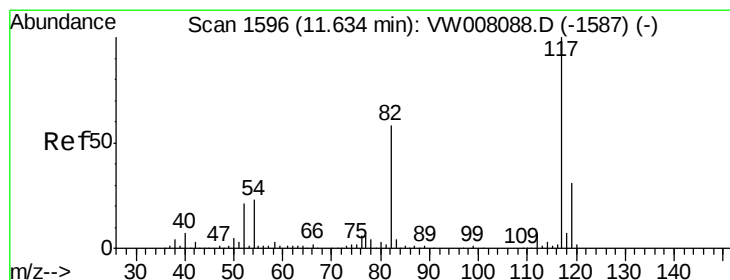
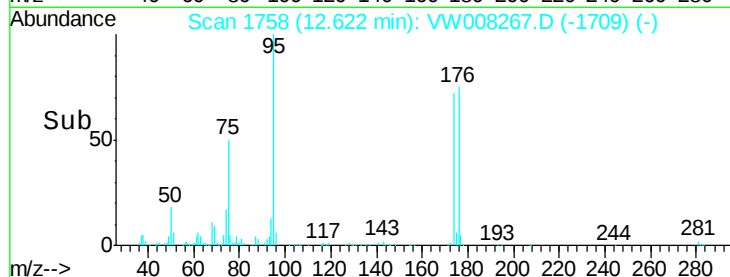
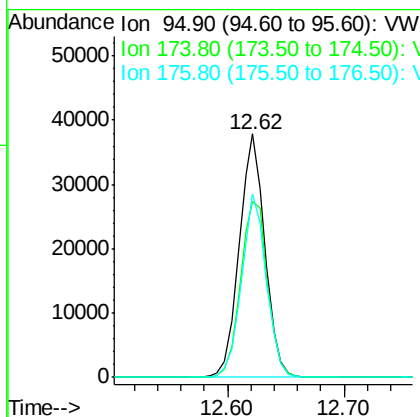
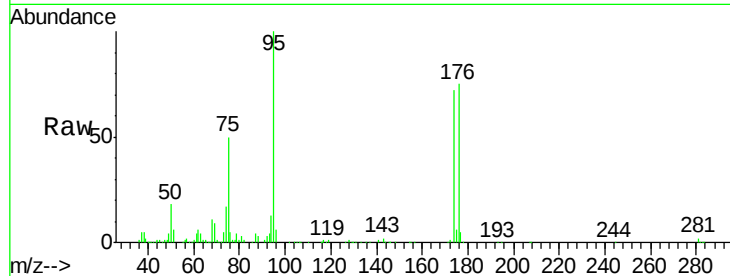




#62  
4-Bromofluorobenzene  
Concen: 45.203 ug/l  
RT: 12.62 min Scan# 1758  
Delta R.T. 0.00 min  
Lab File: VW008267.D  
Acq: 15 Jan 2019 02:17

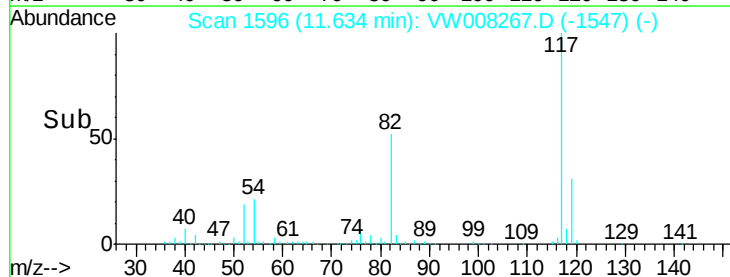
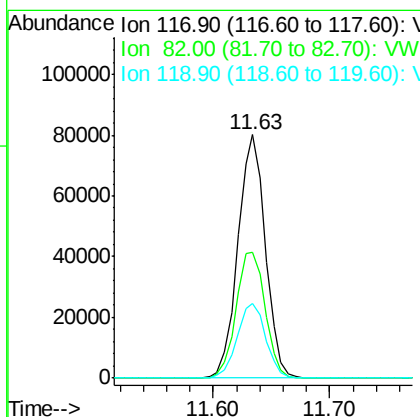
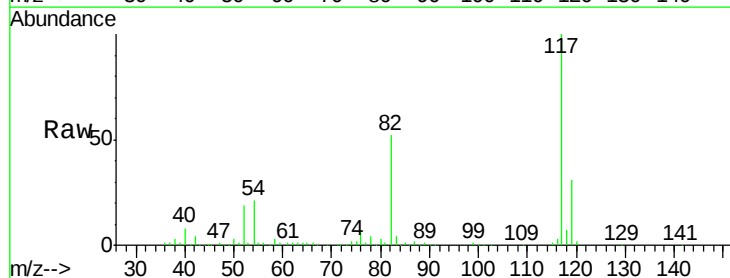
Instrument :  
MSVOA\_W  
ClientSampleId :  
S-4

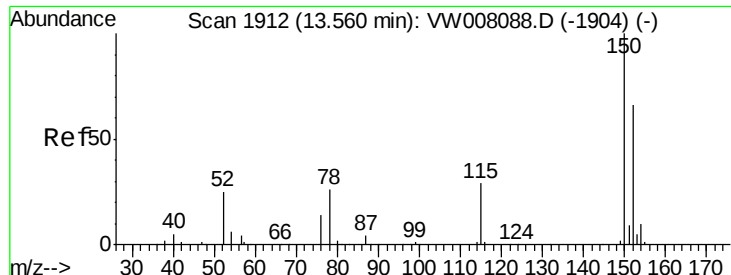
Tot Ion: 95 Resp: 57785  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 143.0  
176 73.0 0.0 140.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008267.D  
Acq: 15 Jan 2019 02:17

Tgt Ion: 117 Resp: 131514  
Ion Ratio Lower Upper  
117 100  
82 51.9 46.4 69.6  
119 30.9 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008267.D

Acq: 15 Jan 2019 02:17

Instrument :

MSVOA\_W

ClientSampleId :

S-4

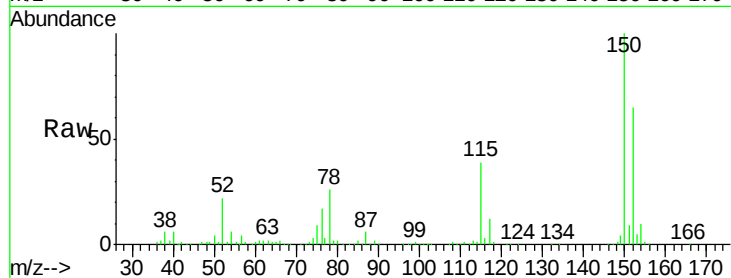
Tot Ion:152 Resp: 53906

Ion Ratio Lower Upper

152 100

115 60.8 30.8 92.4

150 160.0 0.0 350.2



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

