

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\  
 Data File : VW008597.D  
 Acq On : 11 Feb 2019 15:08  
 Operator : SY/VA  
 Sample : K1458-04  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SB-2

Quant Time: Feb 12 05:01:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 25 11:07:41 2019  
 Response via : Initial Calibration

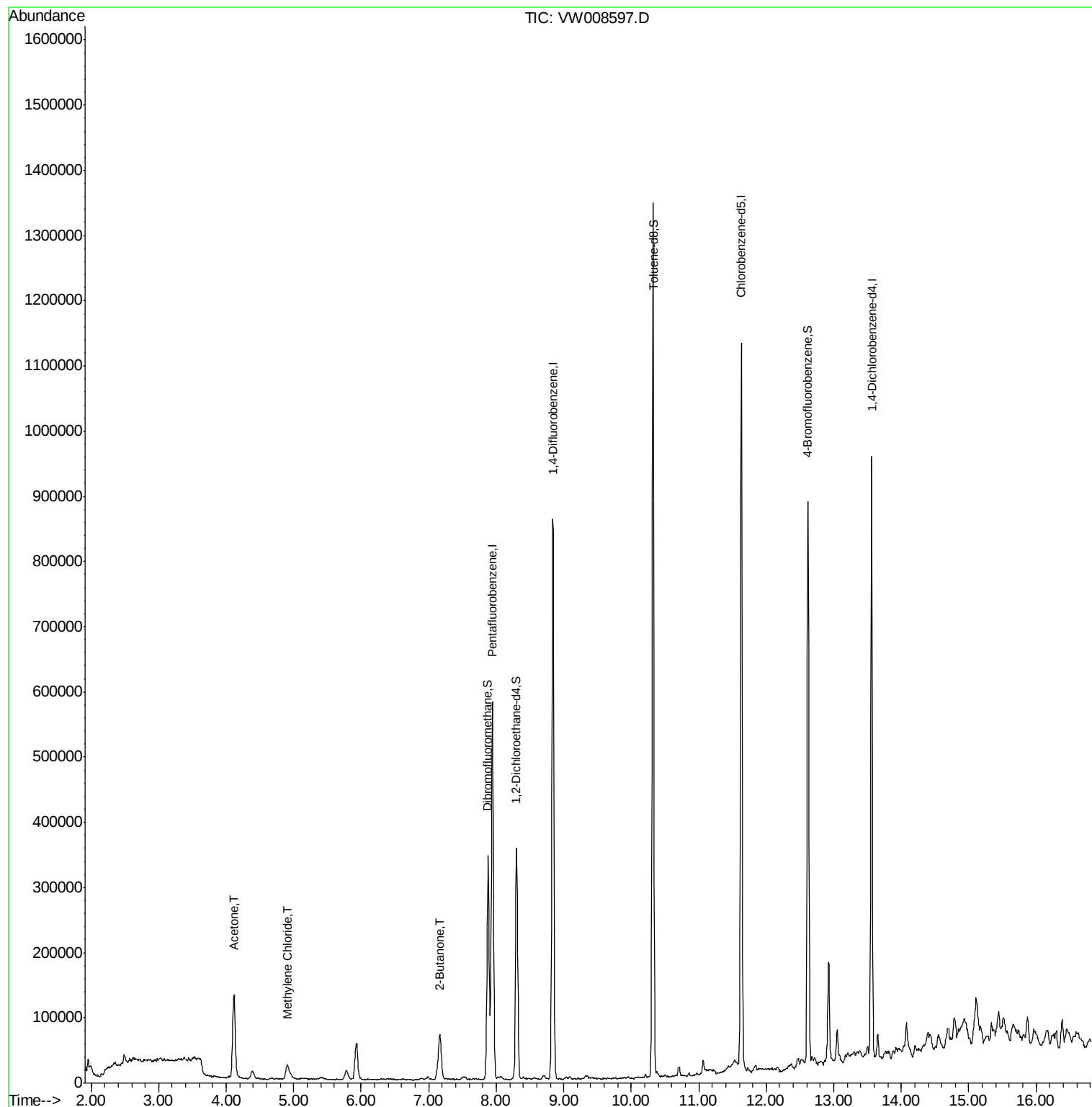
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 437055   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 710666   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 595570   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 231002   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 268941   | 62.64   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 125.28% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 232659   | 55.99   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 111.98% |          |
| 50) Toluene-d8              | 10.32 | 98   | 849628   | 50.99   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 101.98% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 270427   | 42.22   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 84.44%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 16) Acetone                 | 4.12  | 43   | 227194   | 235.629 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.90  | 84   | 18164    | 4.087   | ug/l    | 89       |
| 25) 2-Butanone              | 7.17  | 43   | 93806    | 70.043  | ug/l    | 97       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021119\  
Data File : VW008597.D  
Acq On : 11 Feb 2019 15:08  
Operator : SY/VA  
Sample : K1458-04  
Misc : 5.00G/5ML/MSVOA W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-2

Quant Time: Feb 12 05:01:15 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W012419S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 25 11:07:41 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA\_W

ClientSampled :

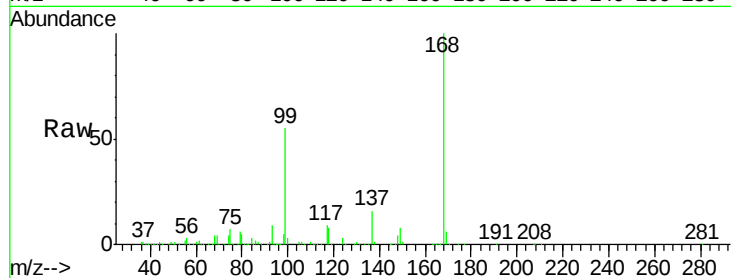
SB-2

Tot Ion:168 Resp: 437055

Ion Ratio Lower Upper

168 100

99 54.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

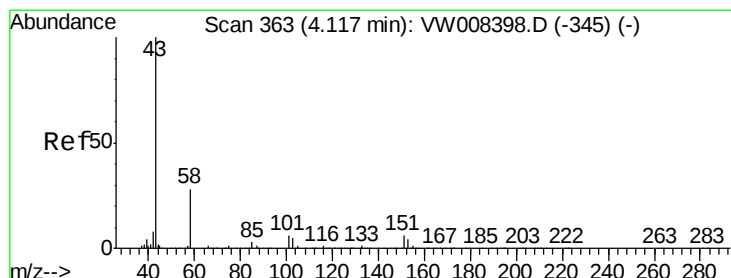
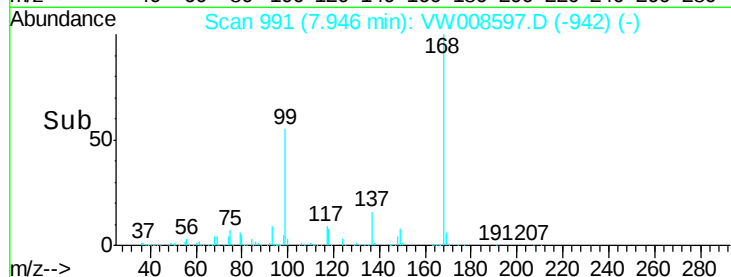
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 235.629 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008597.D

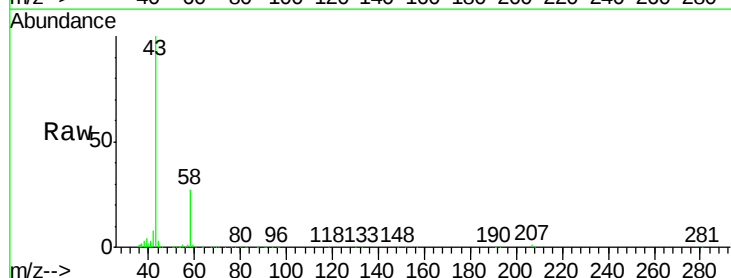
Acq: 11 Feb 2019 15:08

Tgt Ion: 43 Resp: 227194

Ion Ratio Lower Upper

43 100

58 27.2 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

100000

80000

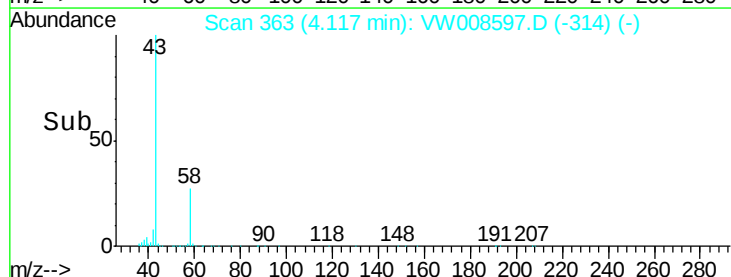
60000

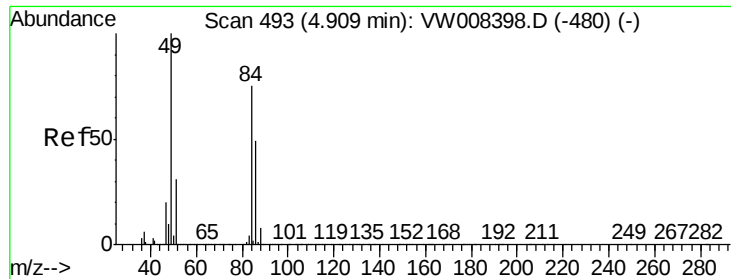
40000

20000

0

Time--> 4.00 4.10 4.20

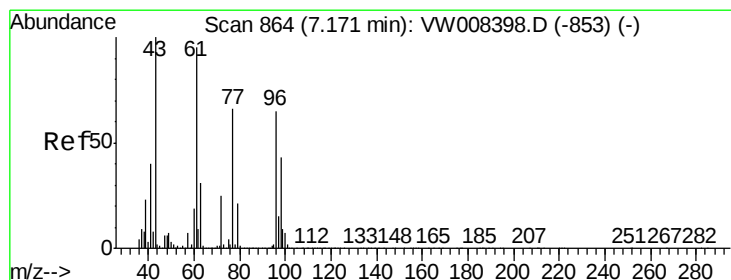
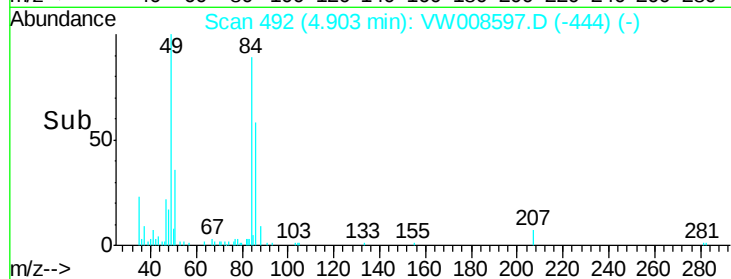
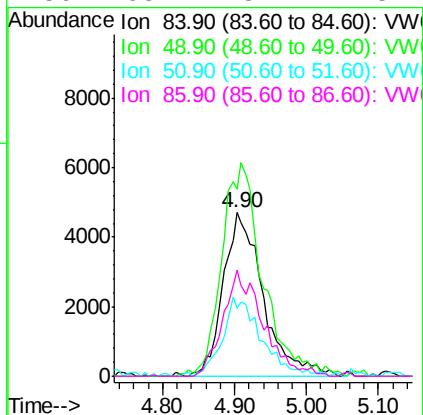
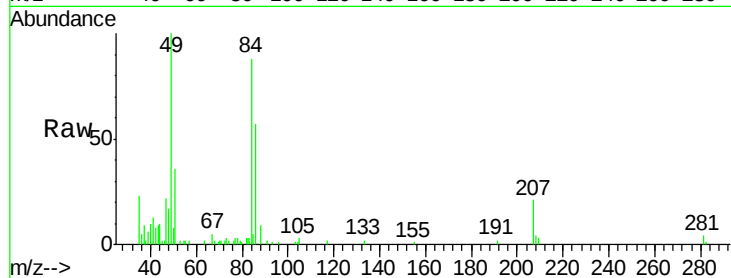




#20  
Methvlene Chloride  
Concen: 4.087 ug/l  
RT: 4.90 min Scan# 492  
Delta R.T. -0.01 min  
Lab File: VW008597.D  
Acq: 11 Feb 2019 15:08

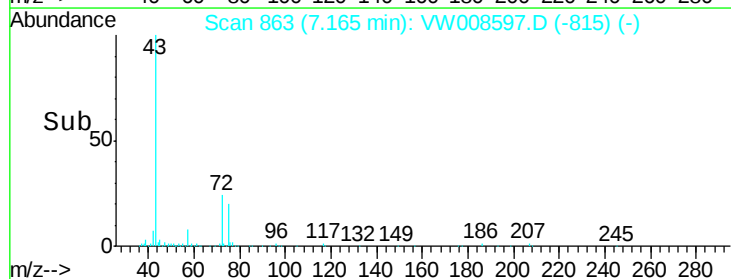
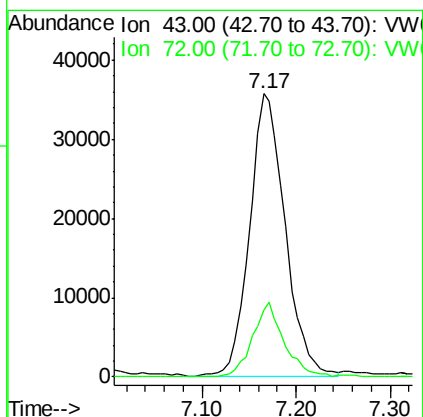
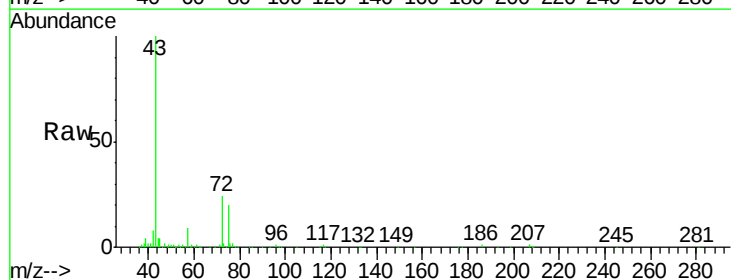
Instrument :  
MSVOA\_W  
ClientSampleId :  
SB-2

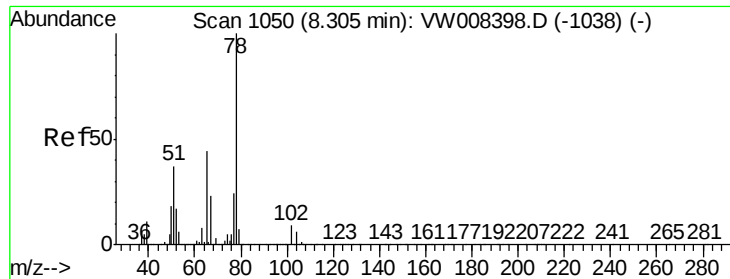
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 18164 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.6 | 106.8 | 160.2 |
| 51       | 39.9  | 32.9  | 49.3  |
| 86       | 65.2  | 52.2  | 78.2  |



#25  
2-Butanone  
Concen: 70.043 ug/l  
RT: 7.17 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: VW008597.D  
Acq: 11 Feb 2019 15:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 93806 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 23.8  | 20.1  | 30.1  |





#33

1,2-Dichloroethane-d4

Concen: 62.637 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA\_W

ClientSampled :

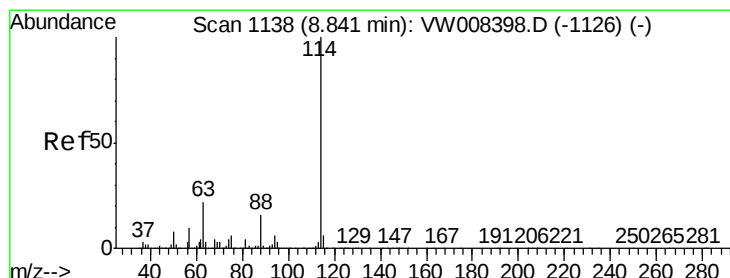
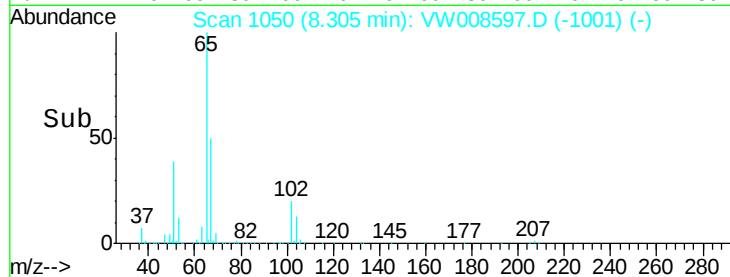
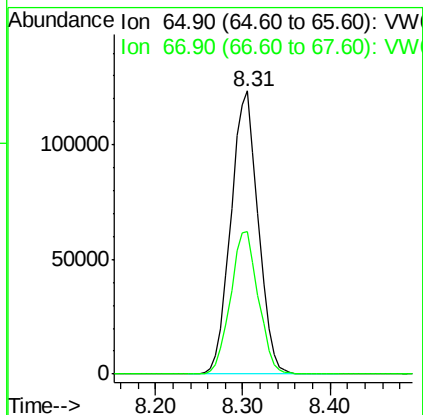
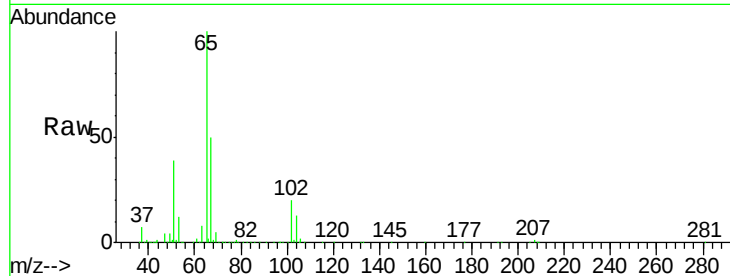
SB-2

Tot Ion: 65 Resp: 268941

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

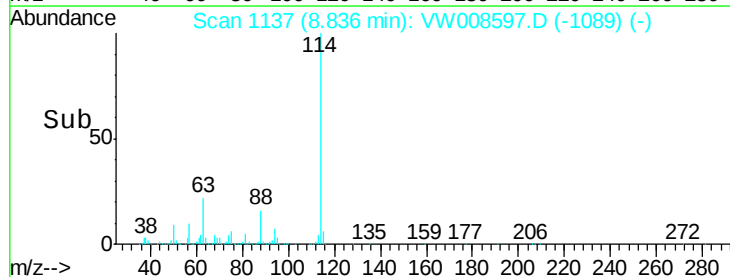
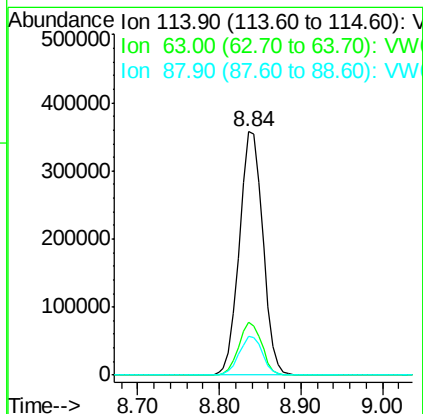
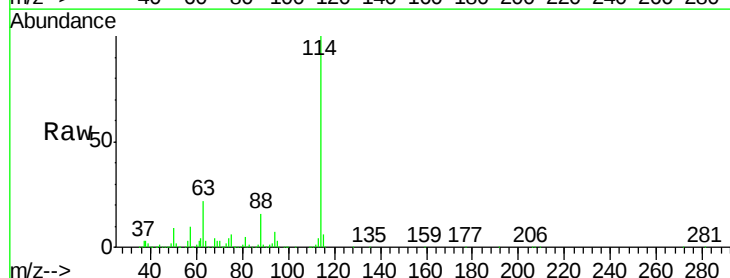
Tgt Ion: 114 Resp: 710666

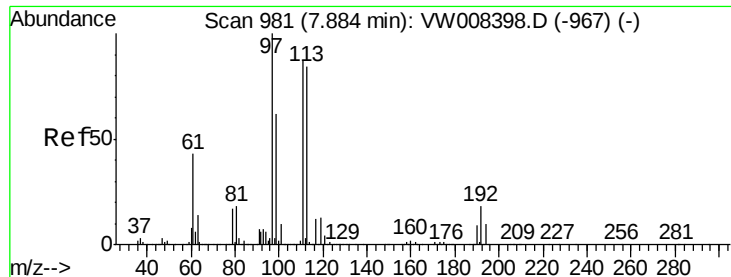
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

88 15.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 55.988 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA\_W

ClientSampleId :

SB-2

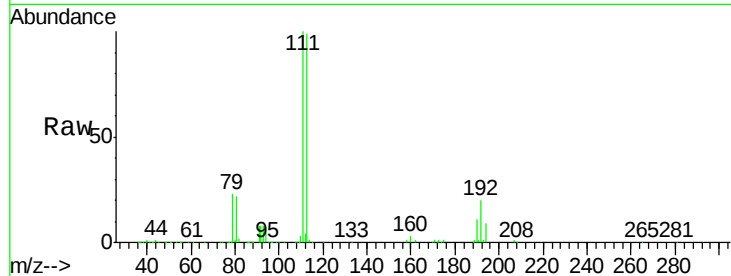
Tot Ion:113 Resp: 232659

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.4

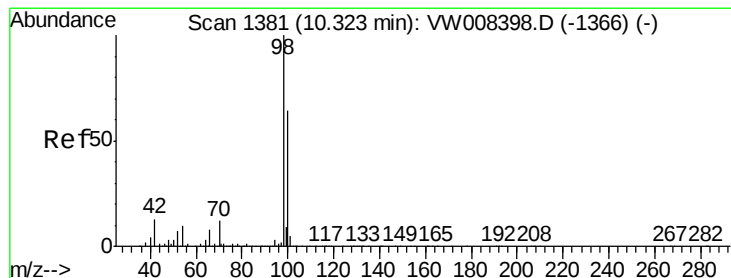
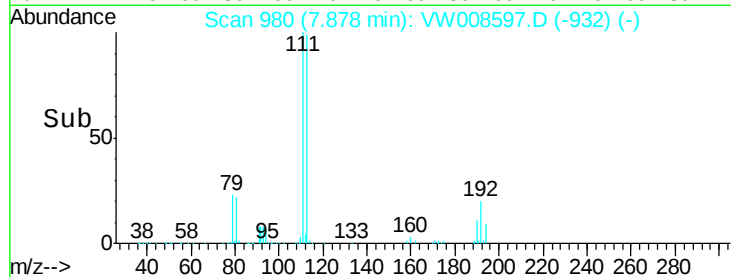
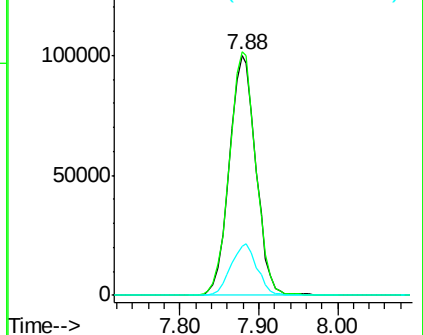
192 21.2 16.8 25.2



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: 50.987 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008597.D

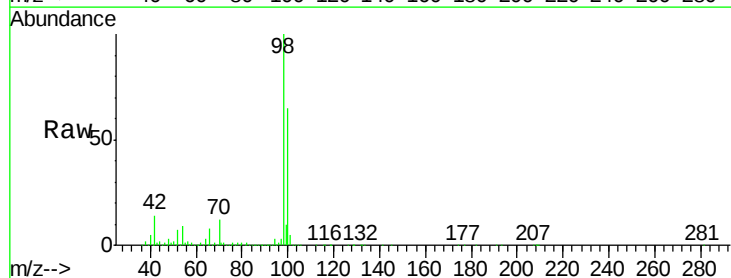
Acq: 11 Feb 2019 15:08

Tgt Ion: 98 Resp: 849628

Ion Ratio Lower Upper

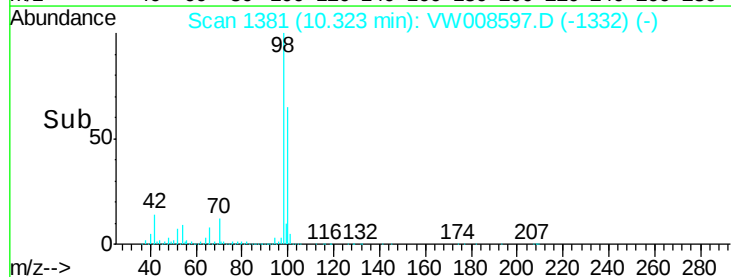
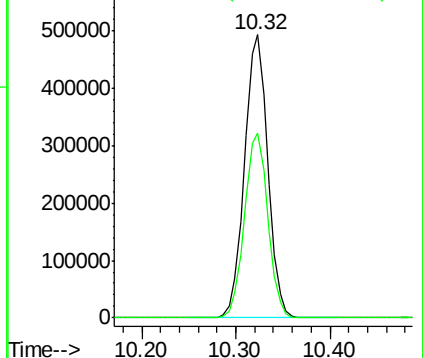
98 100

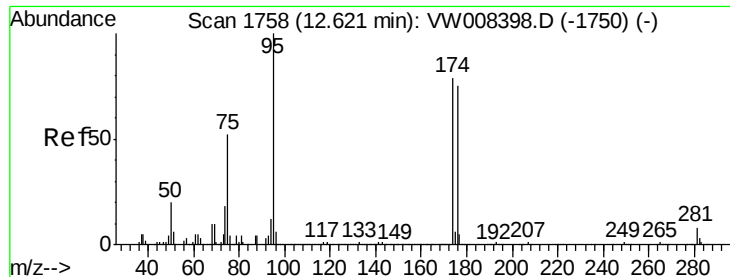
100 65.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

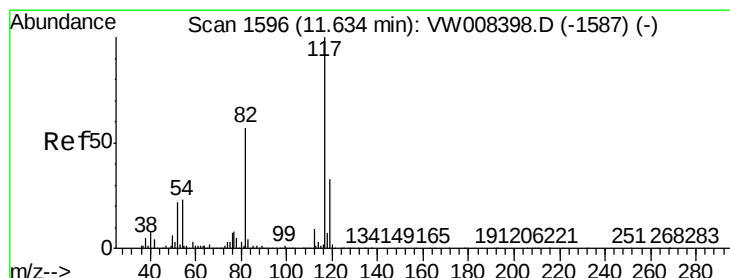
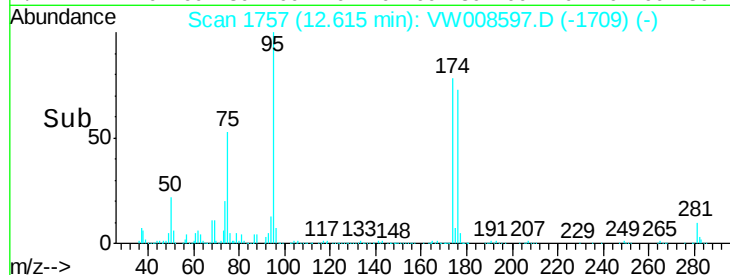
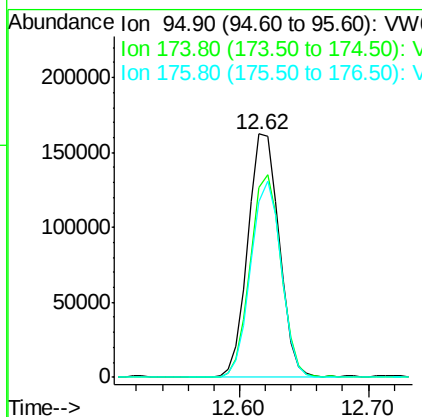
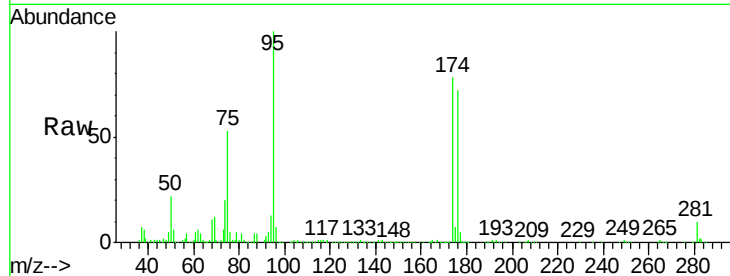




#62  
4-Bromofluorobenzene  
Concen: 42.219 ug/l  
RT: 12.62 min Scan# 1757  
Delta R.T. -0.01 min  
Lab File: VW008597.D  
Acq: 11 Feb 2019 15:08

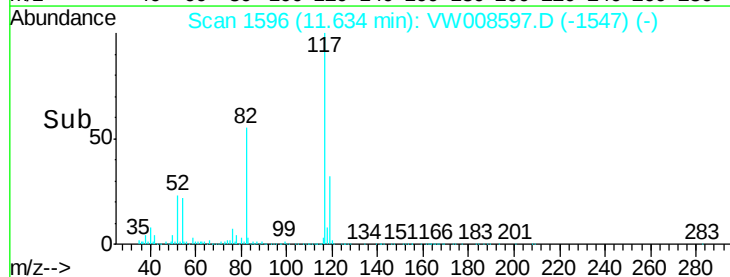
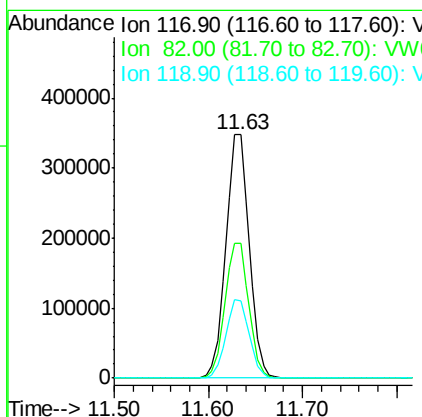
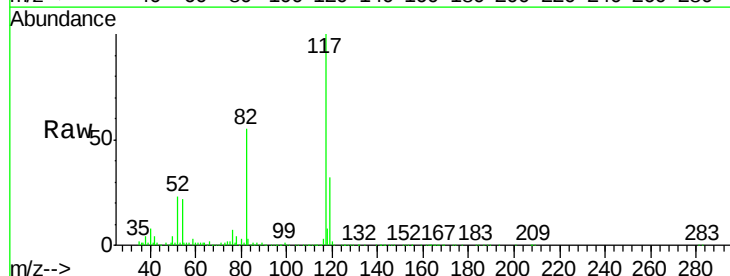
Instrument :  
MSVOA\_W  
ClientSampled :  
SB-2

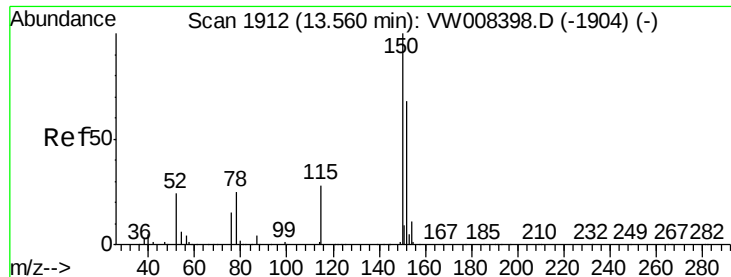
Tot Ion: 95 Resp: 270427  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 157.6  
176 78.7 0.0 151.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW008597.D  
Acq: 11 Feb 2019 15:08

Tgt Ion: 117 Resp: 595570  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.4 68.0  
119 31.8 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008597.D

Acq: 11 Feb 2019 15:08

Instrument :

MSVOA\_W

ClientSampleId :

SB-2

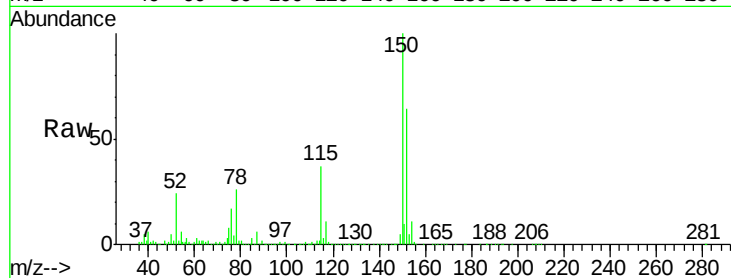
Tot Ion:152 Resp: 231002

Ion Ratio Lower Upper

152 100

115 57.3 29.9 89.7

150 157.0 0.0 351.4



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

