

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\  
 Data File : VD060154.D  
 Acq On : 9 Oct 2018 16:41  
 Operator : VA/AP  
 Sample : J5201-01  
 Misc : 6.93g/5ml/MSVOA D/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-100818-A

Quant Time: Oct 10 01:45:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

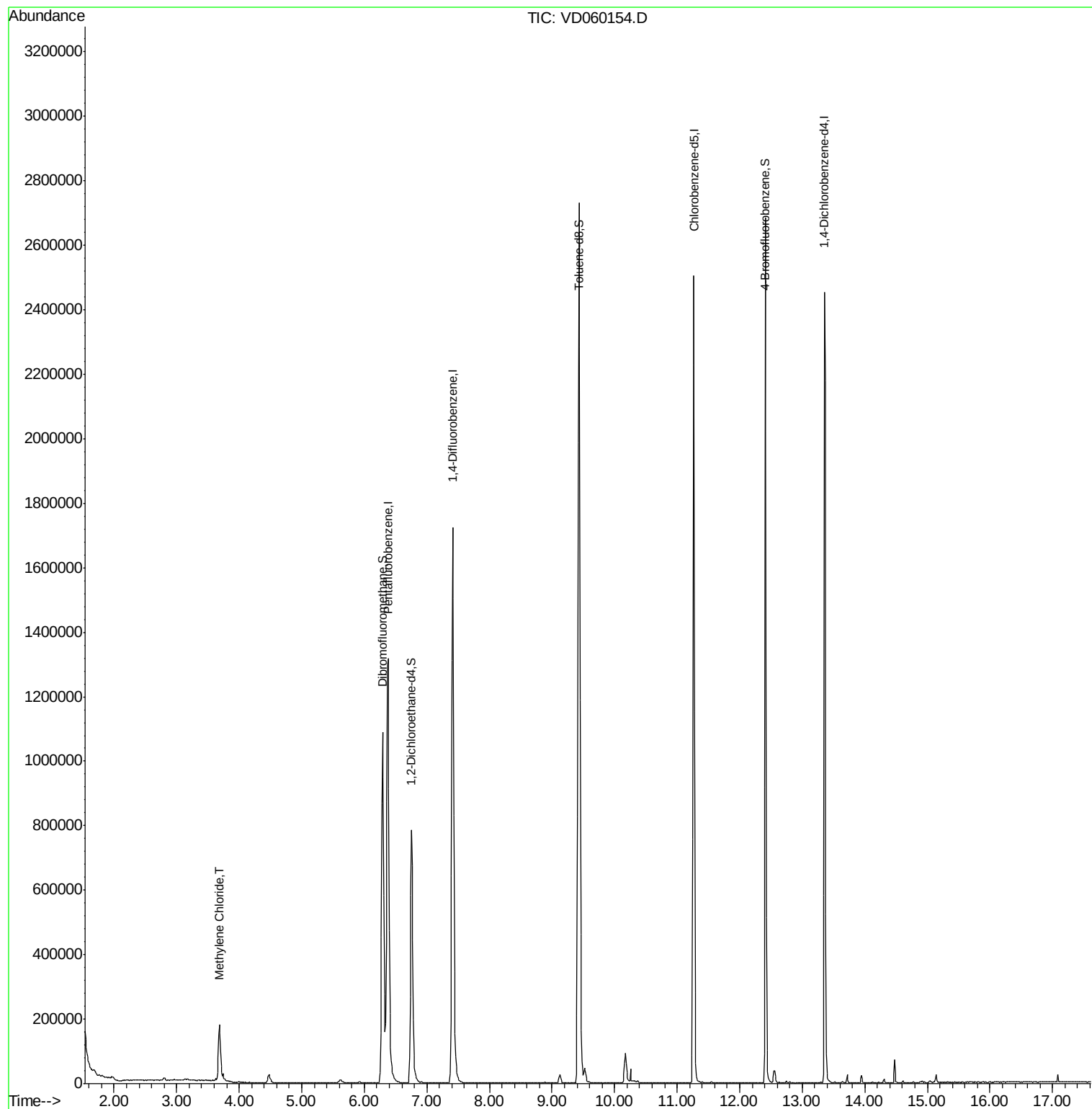
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 6.38  | 168  | 1348649  | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 7.41  | 114  | 1827385  | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.27 | 117  | 1408197  | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 609137   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.75  | 65   | 643742   | 62.97 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 125.94% |           |
| 35) Dibromofluoromethane    | 6.29  | 113  | 852477   | 61.43 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.86% |           |
| 50) Toluene-d8              | 9.43  | 98   | 2194878  | 55.47 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.94% |           |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 763398   | 51.53 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.06% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.68  | 84   | 104289   | 3.109 | ug/l    | Qvalue 98 |

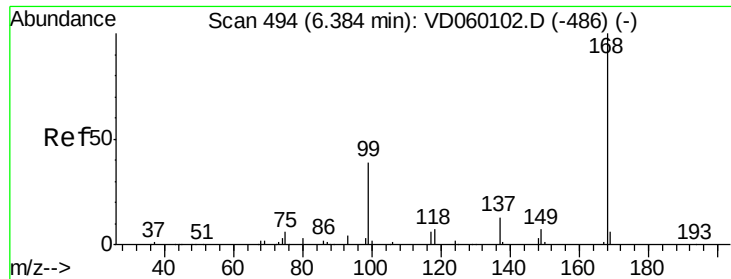
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\  
Data File : VD060154.D  
Acq On : 9 Oct 2018 16:41  
Operator : VA/AP  
Sample : J5201-01  
Misc : 6.93g/5ml/MSVOA D/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
EO-02-100818-A

Quant Time: Oct 10 01:45:38 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA\_D

ClientSampleId :

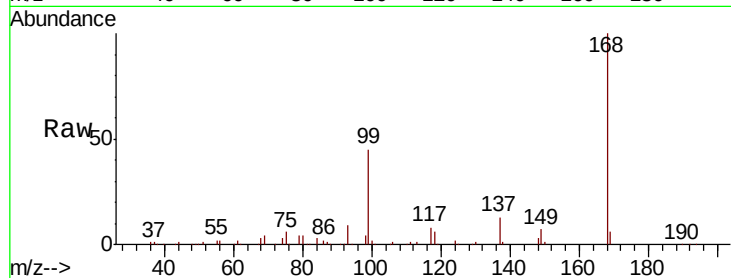
EO-02-100818-A

Tot Ion:168 Resp: 1348649

Ion Ratio Lower Upper

168 100

99 45.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

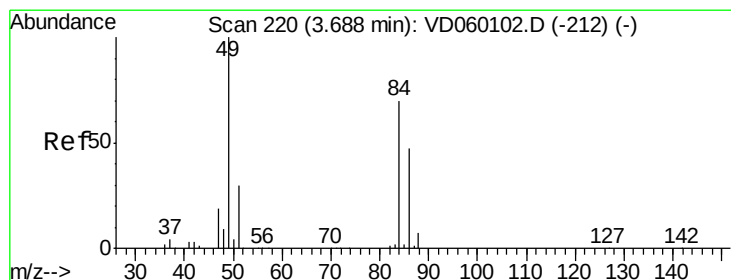
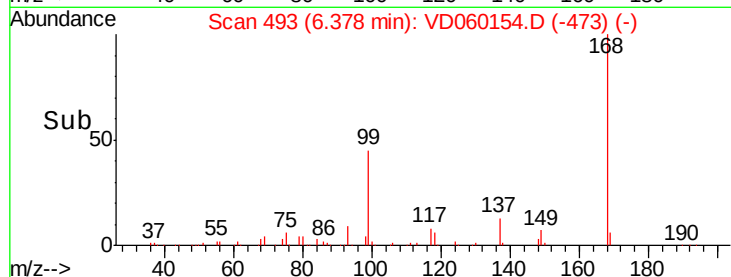
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#20

Methylene Chloride

Concen: 3.109 ug/l

RT: 3.68 min Scan# 219

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Tgt Ion: 84 Resp: 104289

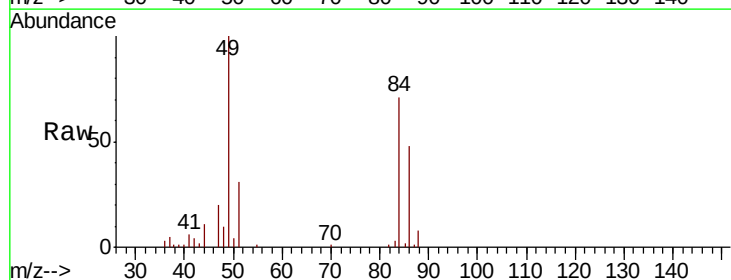
Ion Ratio Lower Upper

84 100

49 140.5 114.6 172.0

51 43.5 33.8 50.8

86 67.0 53.3 79.9



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

80000

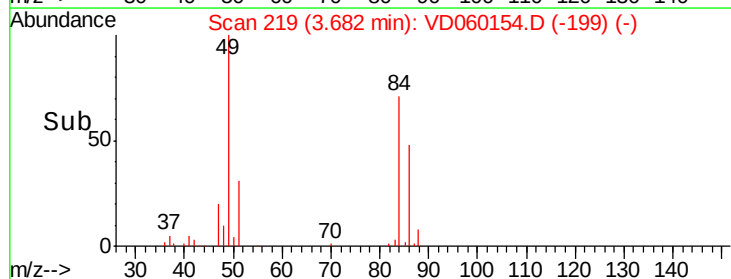
60000

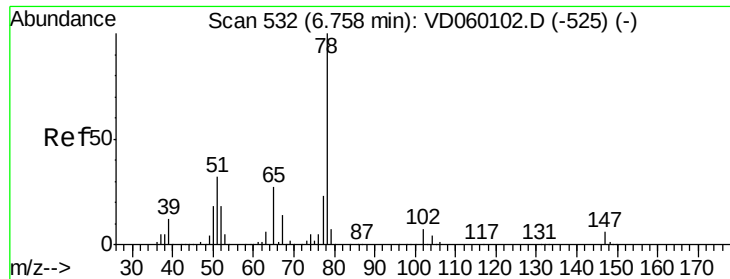
40000

20000

0

Time--> 3.60 3.70 3.80 3.90

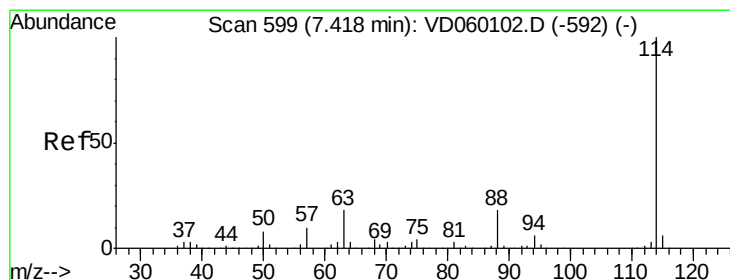
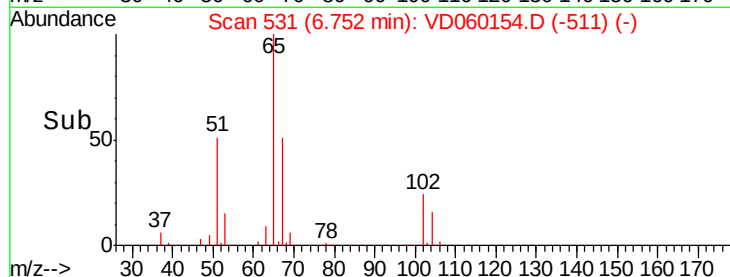
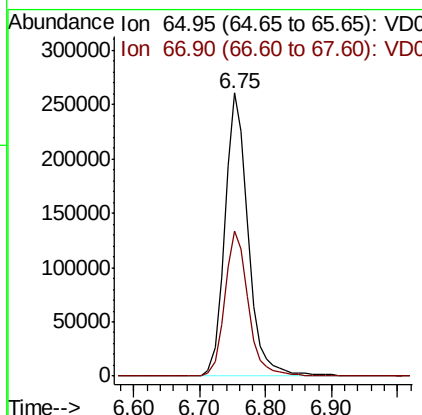
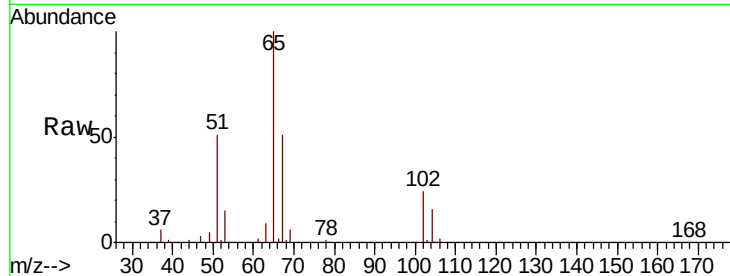




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.75 min Scan# 531  
 Delta R.T. -0.01 min  
 Lab File: VD060154.D  
 Acq: 9 Oct 2018 16:41

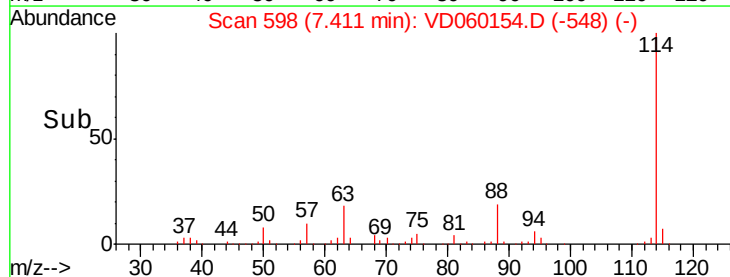
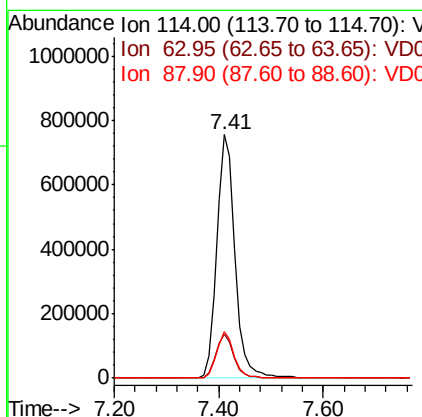
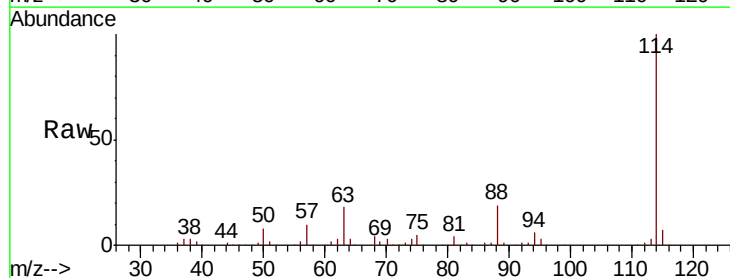
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-100818-A

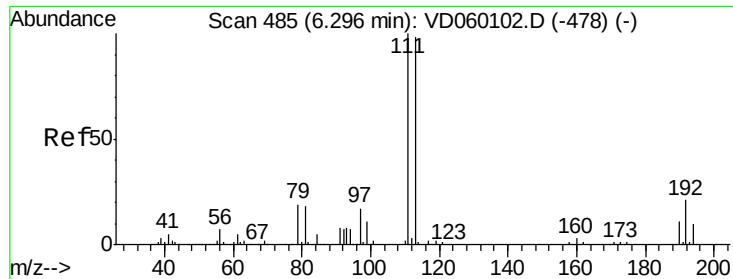
Tot Ion: 65 Resp: 643742  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.41 min Scan# 598  
 Delta R.T. -0.01 min  
 Lab File: VD060154.D  
 Acq: 9 Oct 2018 16:41

Tgt Ion: 114 Resp: 1827385  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 36.0  
 88 18.9 0.0 36.2

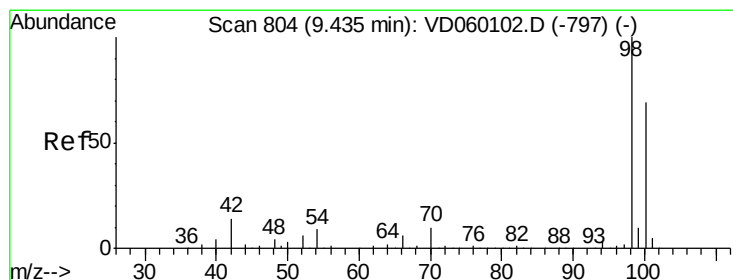
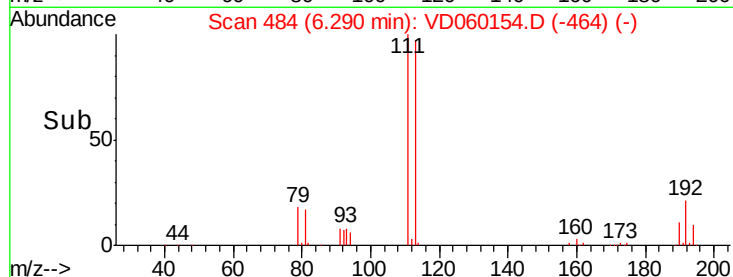
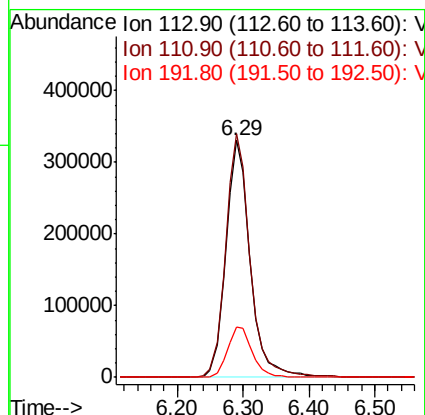
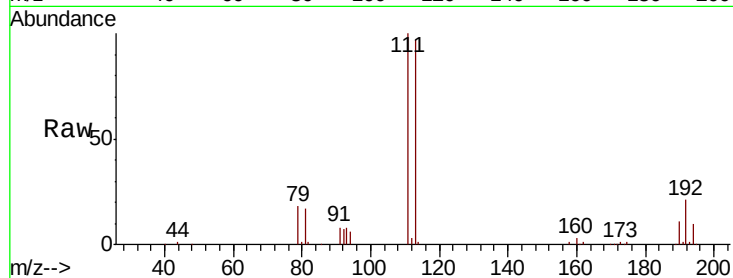




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.29 min Scan# 484  
 Delta R.T. -0.01 min  
 Lab File: VD060154.D  
 Acq: 9 Oct 2018 16:41

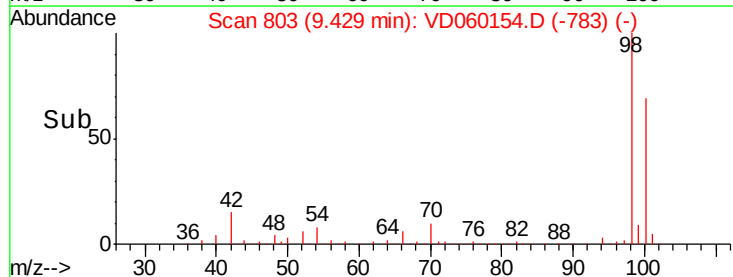
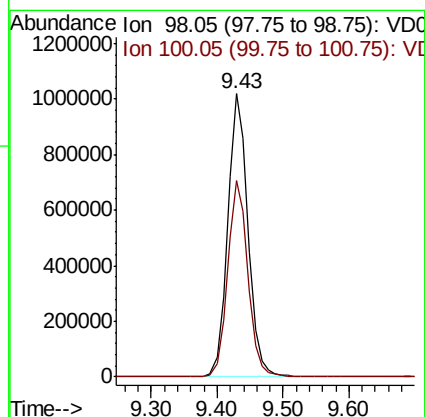
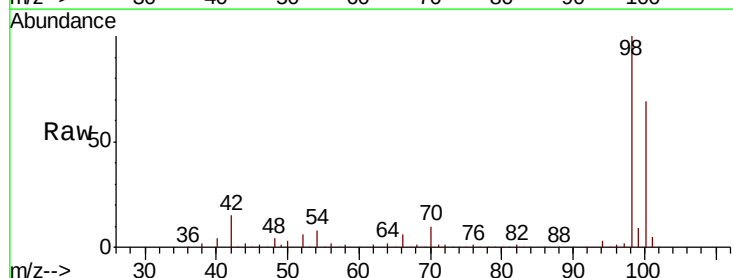
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-100818-A

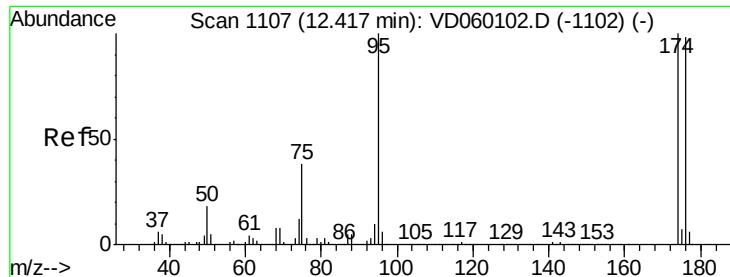
Tot Ion:113 Resp: 852477  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 81.5 122.3  
 192 21.3 17.4 26.0



#50  
 Toluene-d8  
 Concen: N.D. ug/l  
 RT: 9.43 min Scan# 803  
 Delta R.T. -0.01 min  
 Lab File: VD060154.D  
 Acq: 9 Oct 2018 16:41

Tgt Ion: 98 Resp: 2194878  
 Ion Ratio Lower Upper  
 98 100  
 100 69.2 55.4 83.0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

Instrument :

MSVOA\_D

ClientSampleId :

EO-02-100818-A

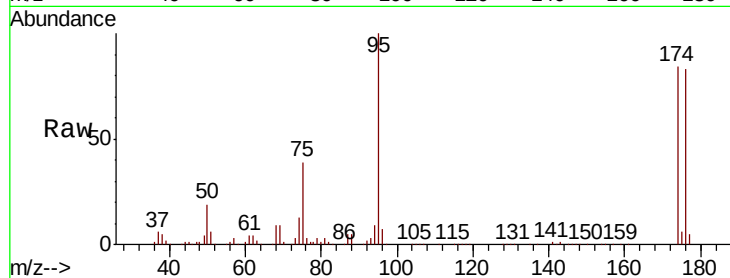
Tot Ion: 95 Resp: 763398

Ion Ratio Lower Upper

95 100

174 84.4 0.0 200.2

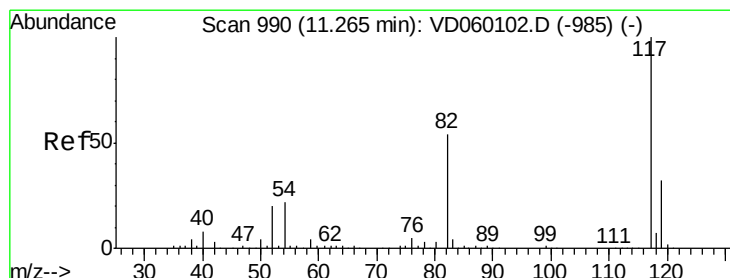
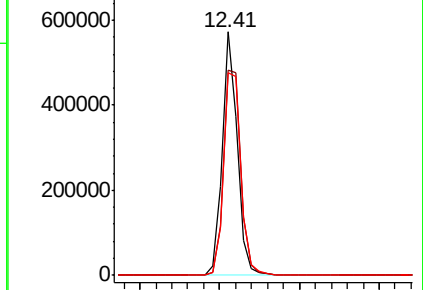
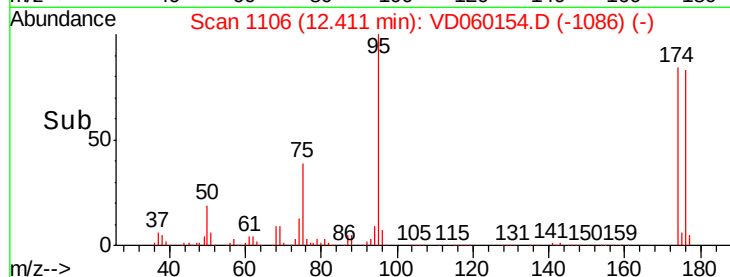
176 83.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VD060154.D

Acq: 9 Oct 2018 16:41

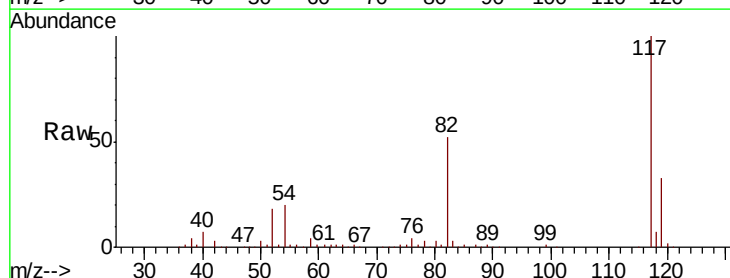
Tgt Ion: 117 Resp: 1408197

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.2

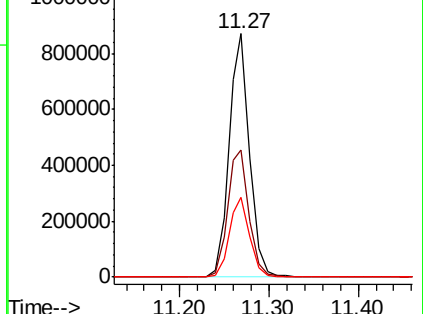
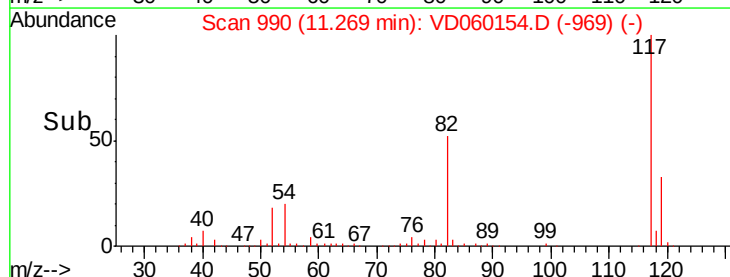
119 32.9 26.0 39.0

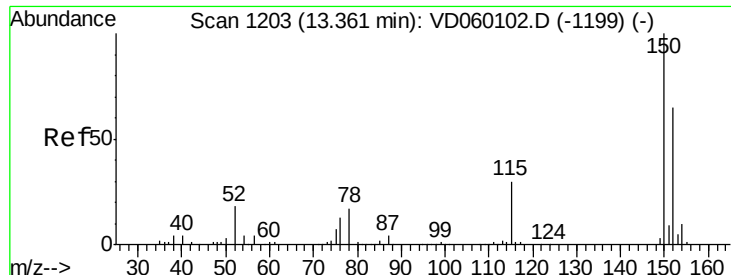


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

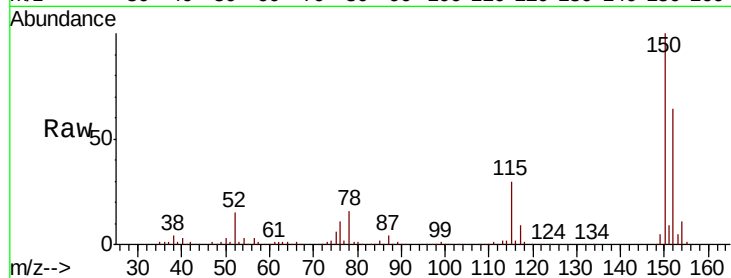




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.37 min Scan# 1203  
 Delta R.T. 0.00 min  
 Lab File: VD060154.D  
 Acq: 9 Oct 2018 16:41

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 EO-02-100818-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 46.6  | 27.1  | 81.2  |
| 150     | 155.0 | 0.0   | 311.8 |



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

