

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101018\  
 Data File : VD060168.D  
 Acq On : 10 Oct 2018 11:40  
 Operator : VA/AP  
 Sample : VD1010SBL01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1010SBL01

Quant Time: Oct 11 01:20:08 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

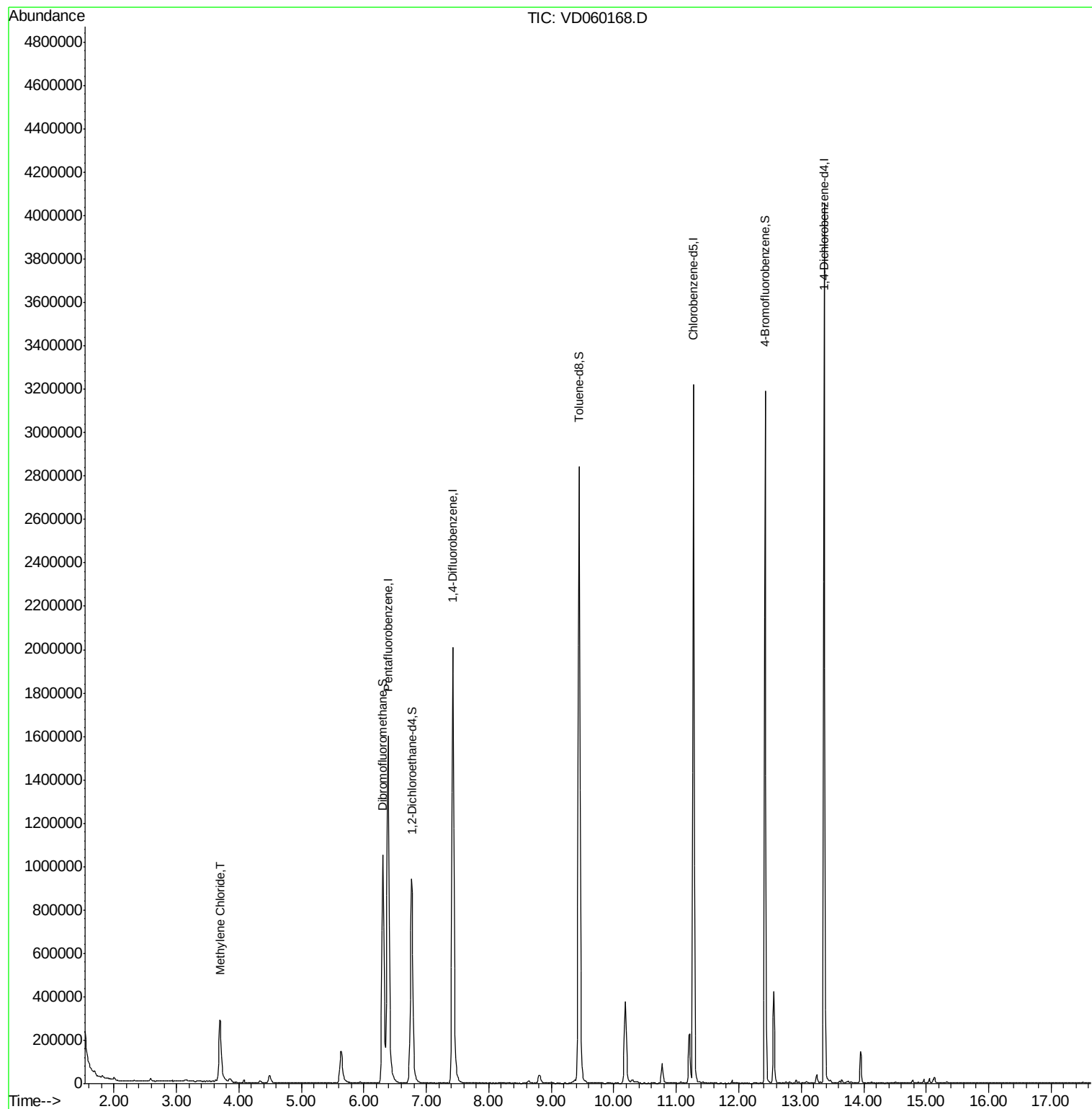
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 6.39  | 168  | 1579652  | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 7.42  | 114  | 2123299  | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.27 | 117  | 1798231  | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.37 | 152  | 938531   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.76  | 65   | 659193   | 55.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.10% |           |
| 35) Dibromofluoromethane    | 6.30  | 113  | 838372   | 52.00 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.00% |           |
| 50) Toluene-d8              | 9.44  | 98   | 2327390  | 50.62 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.24% |           |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 887912   | 51.58 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.16% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.70  | 84   | 177194   | 6.631 | ug/l    | Qvalue 94 |

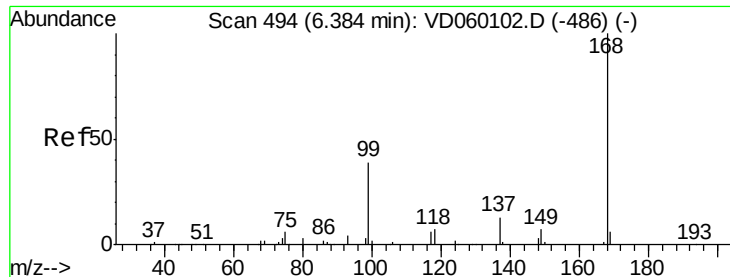
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
VD1010SBL01

Quant Time: Oct 11 01:20:08 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: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060168.D

Acq: 10 Oct 2018 11:40

Instrument :

MSVOA\_D

ClientSampleId :

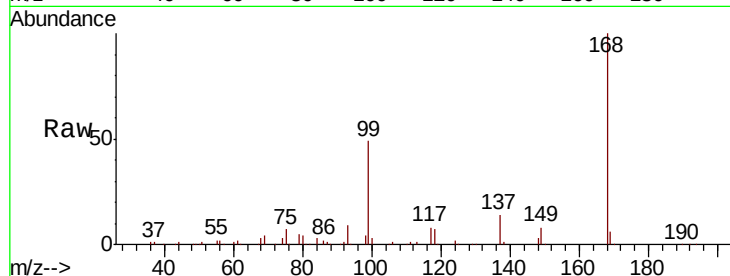
VD1010SBL01

Tot Ion:168 Resp: 1579652

Ion Ratio Lower Upper

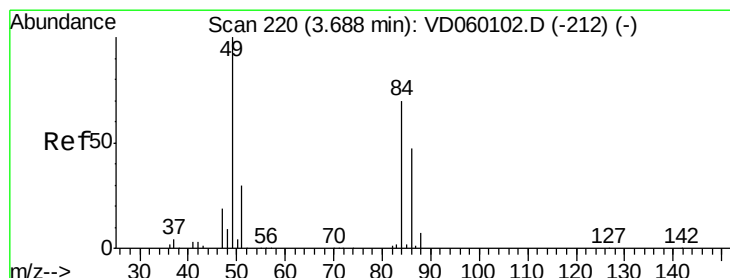
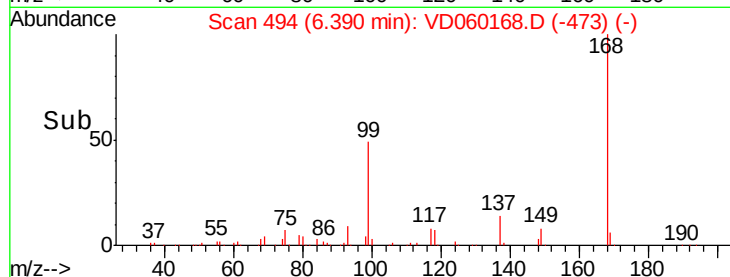
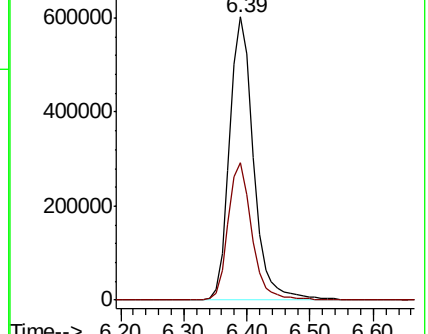
168 100

99 48.5 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 6.631 ug/l

RT: 3.70 min Scan# 221

Delta R.T. 0.02 min

Lab File: VD060168.D

Acq: 10 Oct 2018 11:40

Tgt Ion: 84 Resp: 177194

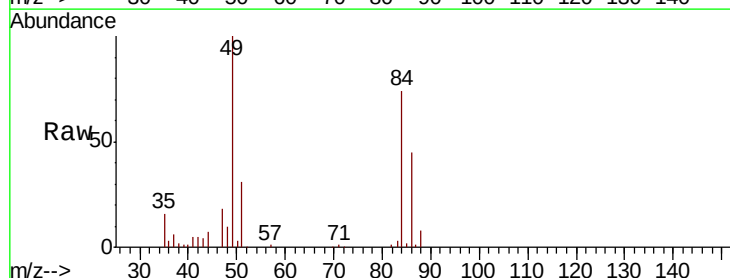
Ion Ratio Lower Upper

84 100

49 135.8 114.6 172.0

51 41.8 33.8 50.8

86 60.7 53.3 79.9

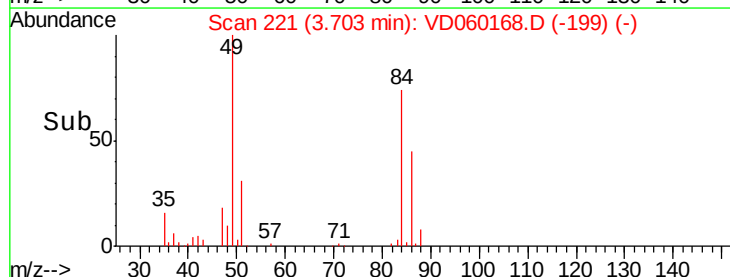
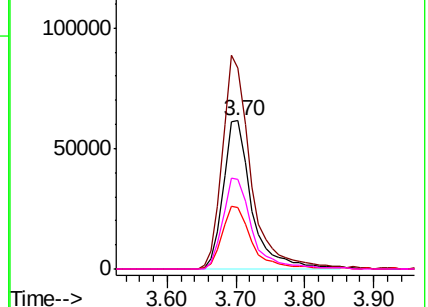


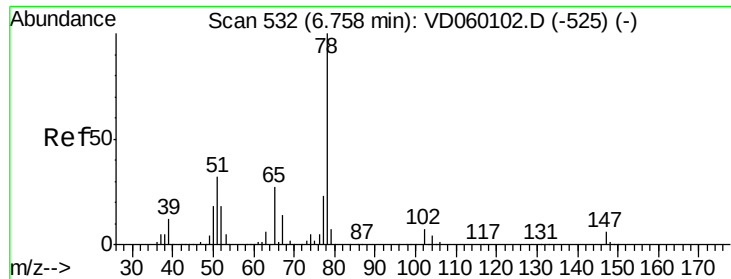
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

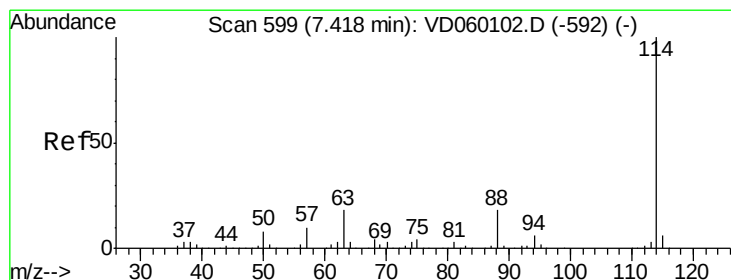
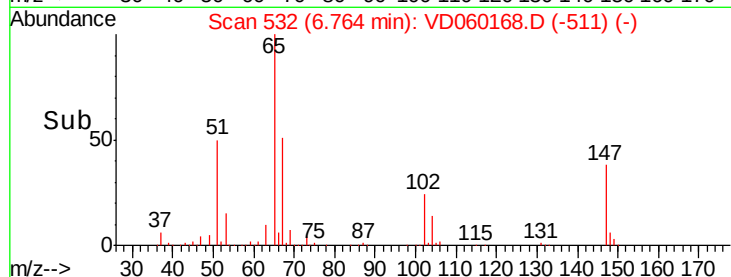
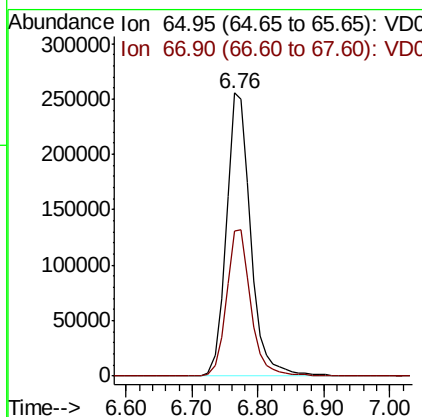
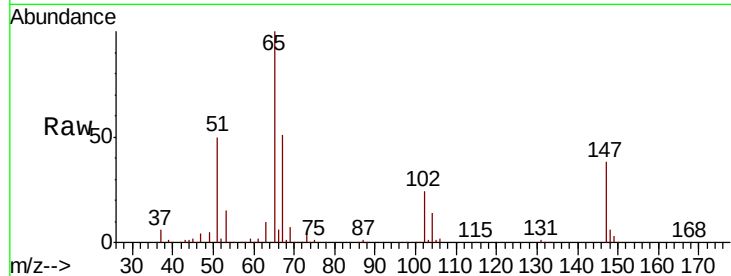




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.76 min Scan# 532  
 Delta R.T. 0.01 min  
 Lab File: VD060168.D  
 Acq: 10 Oct 2018 11:40

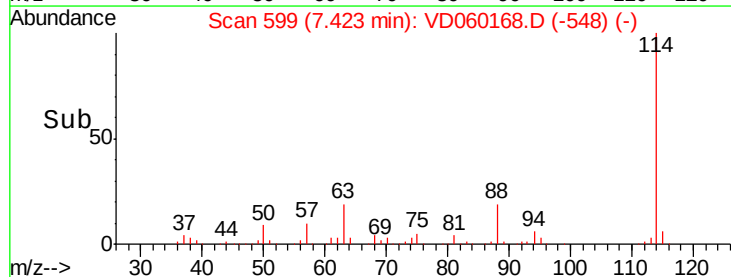
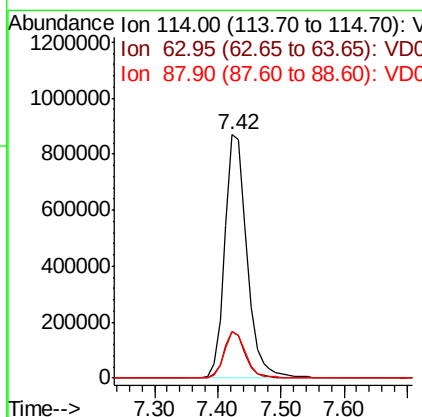
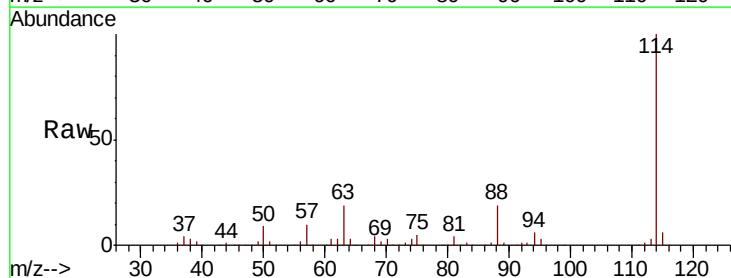
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1010SBL01

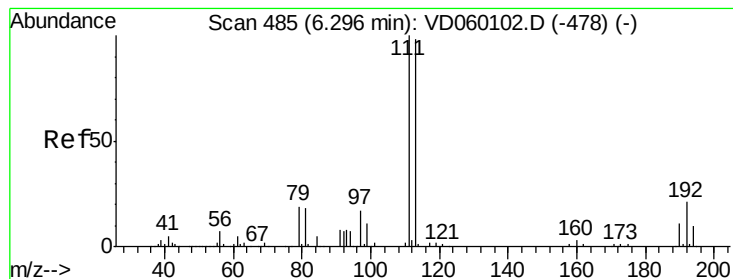
Tot Ion: 65 Resp: 659193  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.42 min Scan# 599  
 Delta R.T. 0.01 min  
 Lab File: VD060168.D  
 Acq: 10 Oct 2018 11:40

Tgt Ion: 114 Resp: 2123299  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 36.0  
 88 18.9 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD060168.D

Acq: 10 Oct 2018 11:40

Instrument :

MSVOA\_D

ClientSampleId :

VD1010SBL01

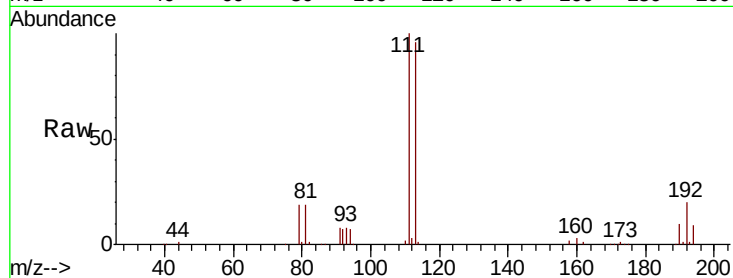
Tot Ion:113 Resp: 838372

Ion Ratio Lower Upper

113 100

111 104.0 81.5 122.3

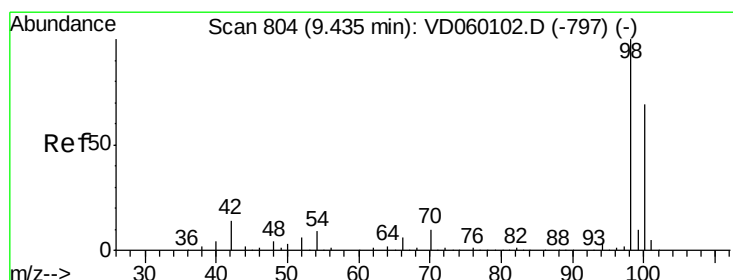
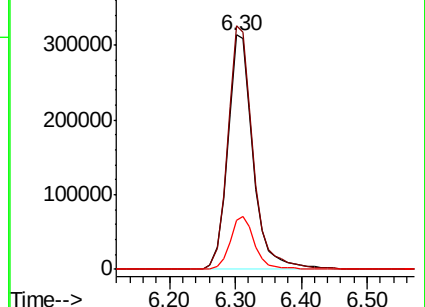
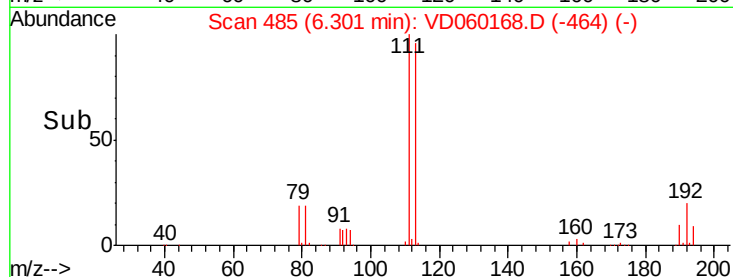
192 20.7 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.01 min

Lab File: VD060168.D

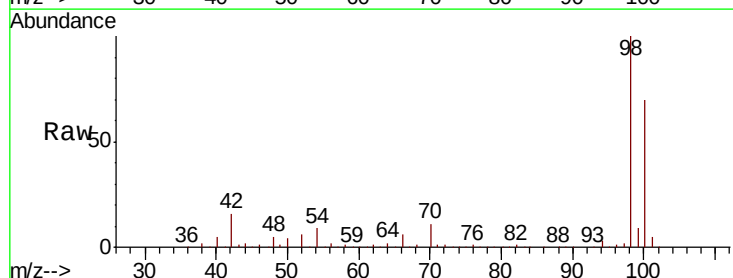
Acq: 10 Oct 2018 11:40

Tgt Ion: 98 Resp: 2327390

Ion Ratio Lower Upper

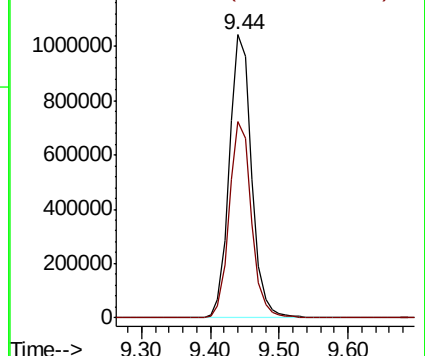
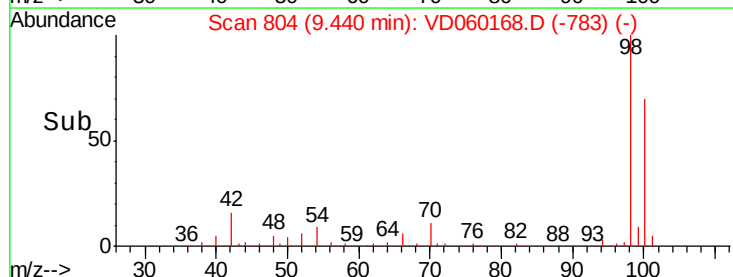
98 100

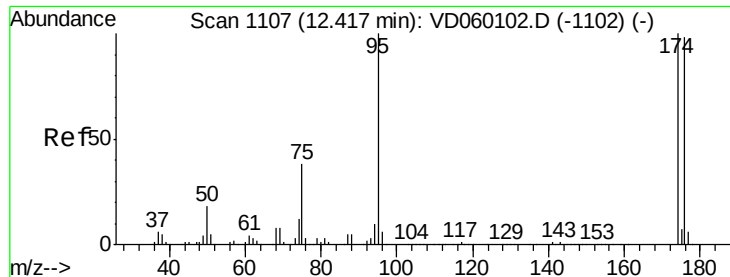
100 69.5 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060168.D

Acq: 10 Oct 2018 11:40

Instrument :

MSVOA\_D

ClientSampleId :

VD1010SBL01

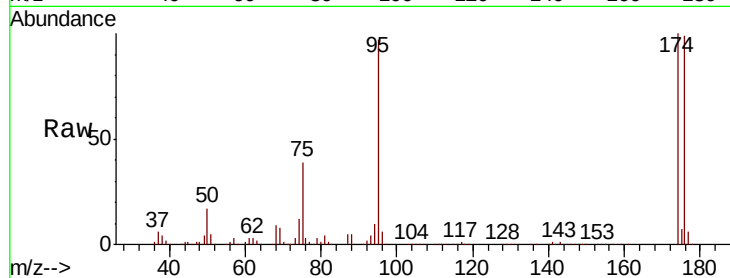
Tot Ion: 95 Resp: 887912

Ion Ratio Lower Upper

95 100

174 102.6 0.0 200.2

176 101.1 0.0 195.6



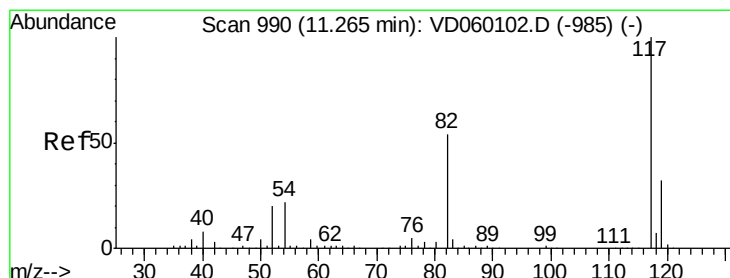
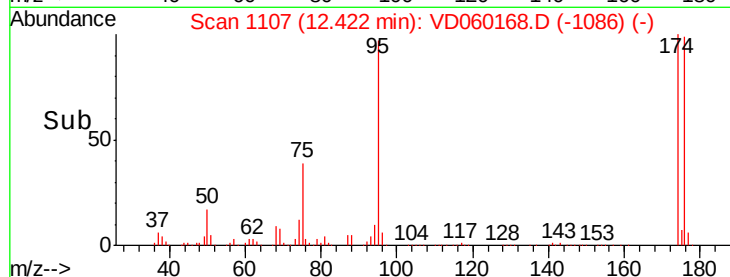
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD060168.D

Acq: 10 Oct 2018 11:40

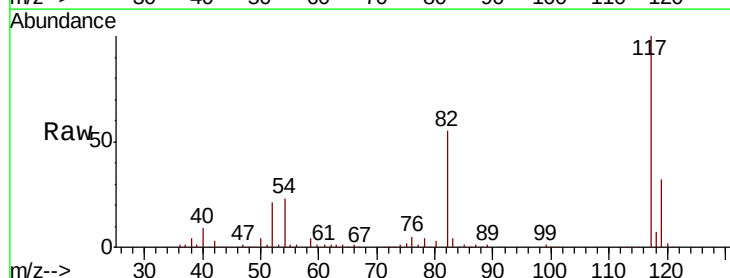
Tgt Ion: 117 Resp: 1798231

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.2

119 31.9 26.0 39.0



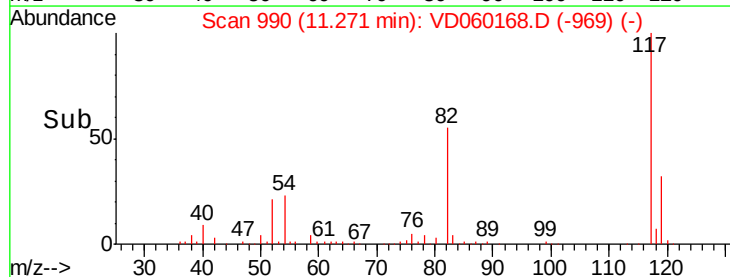
Abundance Ion 116.95 (116.65 to 117.65): V

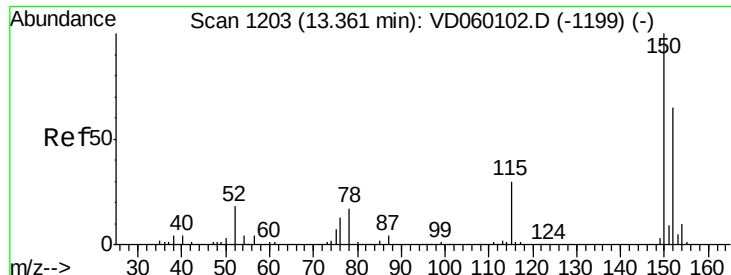
Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

11.27

Time--> 11.20 11.30 11.40 11.50

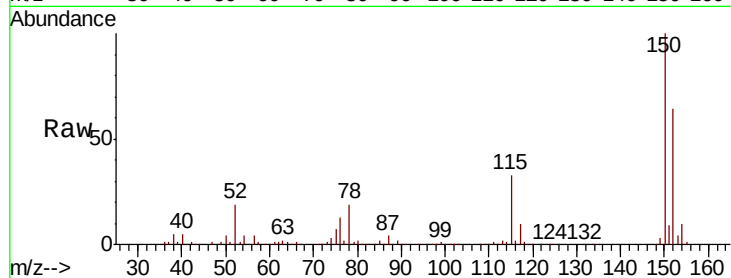




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.37 min Scan# 1203  
 Delta R.T. 0.01 min  
 Lab File: VD060168.D  
 Acq: 10 Oct 2018 11:40

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1010SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 51.1  | 27.1  | 81.2  |
| 150     | 155.4 | 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

