

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\  
 Data File : VD059752.D  
 Acq On : 13 Aug 2018 23:59  
 Operator : VA/AP  
 Sample : J4442-31  
 Misc : 5.96g/5ml/MSVOA D/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1-4

Quant Time: Aug 14 04:37:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D081018S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 11 05:42:24 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 2478     | 50.00  | ug/l    | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.69  | 114  | 5077     | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.69 | 117  | 6069     | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.90 | 152  | 3100     | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.02  | 65   | 4229     | 109.03 | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 218.06% |          |
| 35) Dibromofluoromethane    | 5.53  | 113  | 2487     | 47.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.14%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 5602     | 54.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.04% |          |
| 62) 4-Bromofluorobenzene    | 11.93 | 95   | 2445     | 47.01  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.02%  |          |

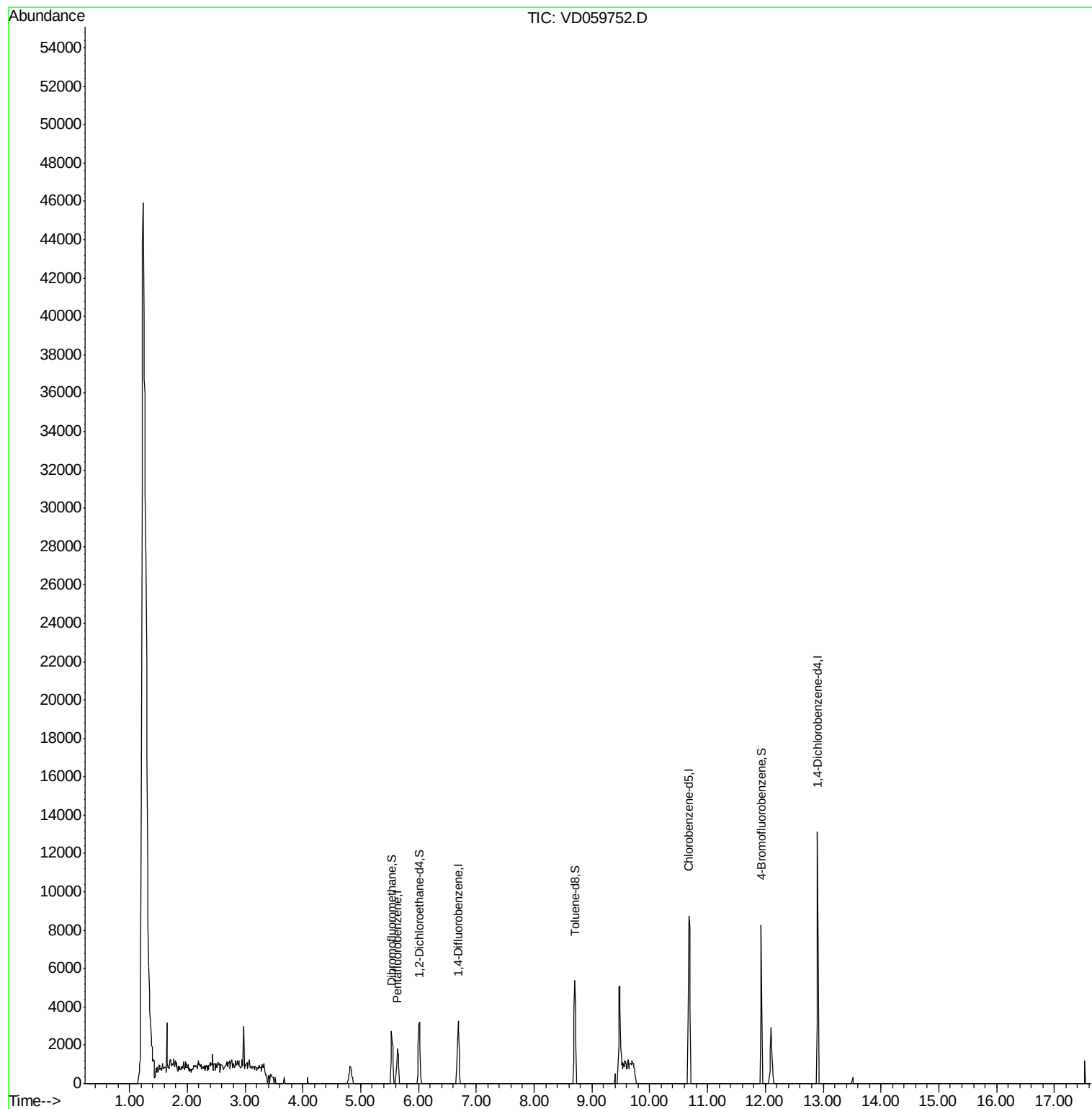
Target Compounds Qvalue

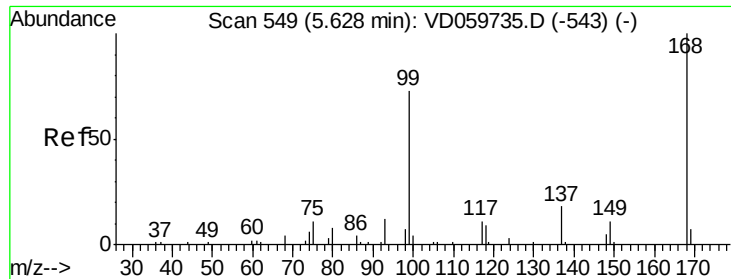
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 11 05:42:24 2018  
Response via : Initial Calibration

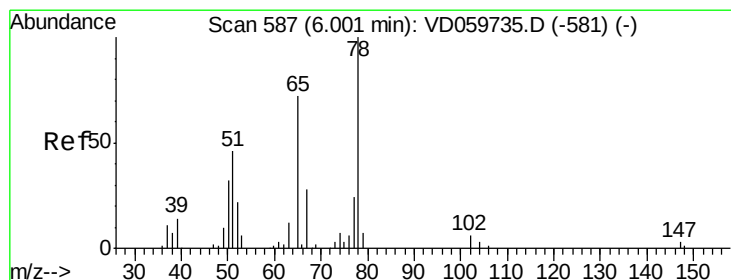
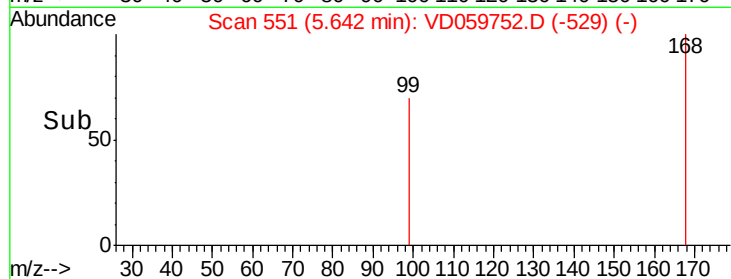
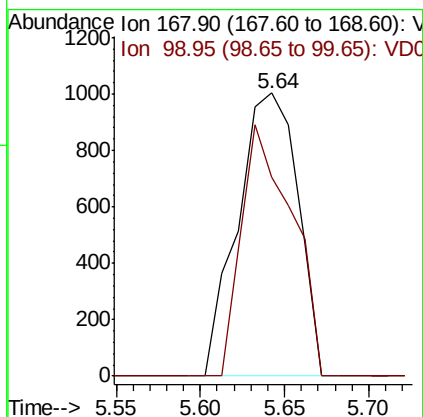
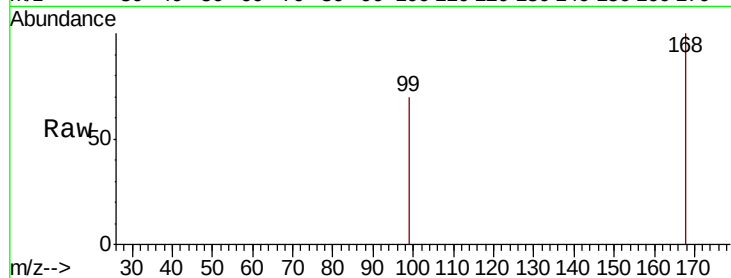




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.64 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: VD059752.D  
Acq: 13 Aug 2018 23:59

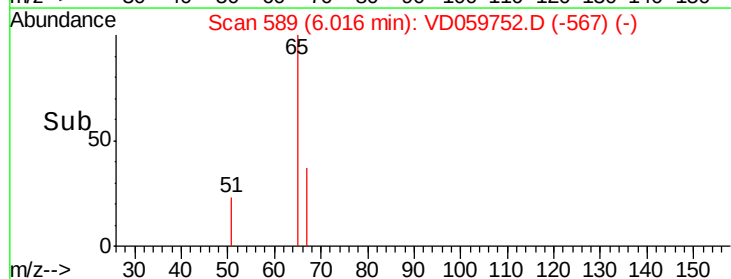
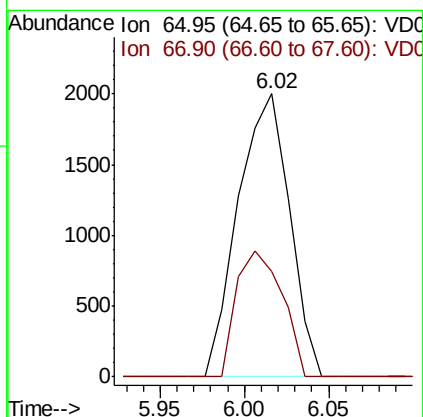
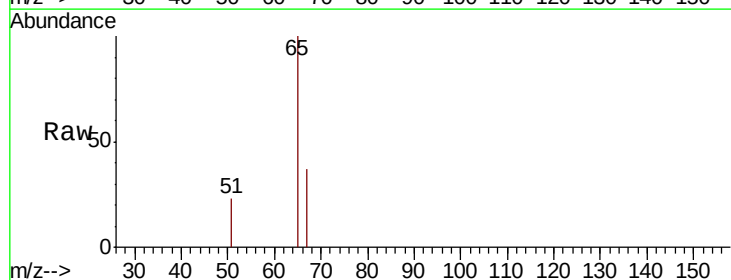
Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1-4

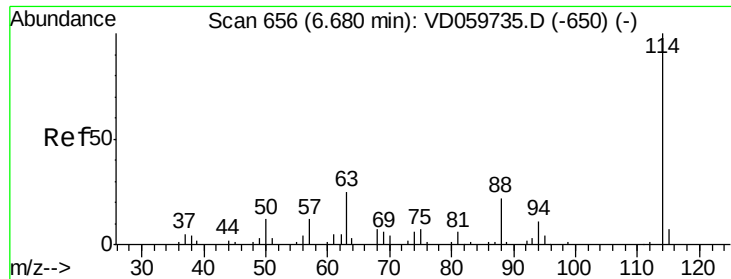
Tot Ion:168 Resp: 2478  
Ion Ratio Lower Upper  
168 100  
99 70.4 61.4 92.2



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.02 min Scan# 589  
Delta R.T. 0.01 min  
Lab File: VD059752.D  
Acq: 13 Aug 2018 23:59

Tgt Ion: 65 Resp: 4229  
Ion Ratio Lower Upper  
65 100  
67 37.5 0.0 77.4

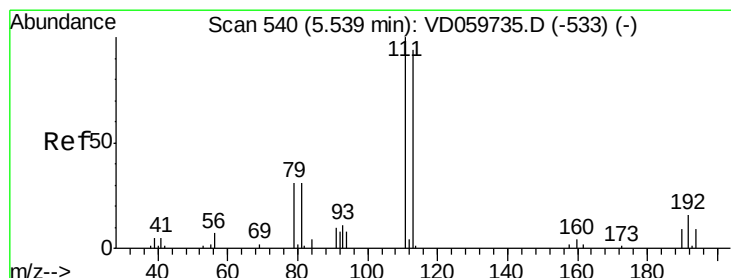
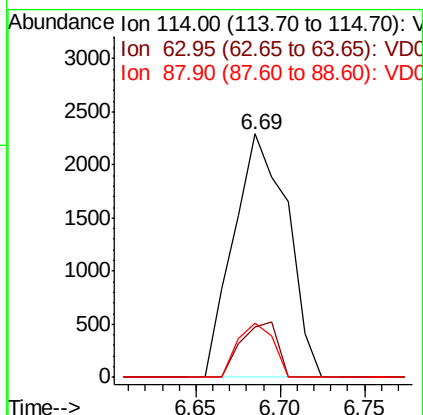
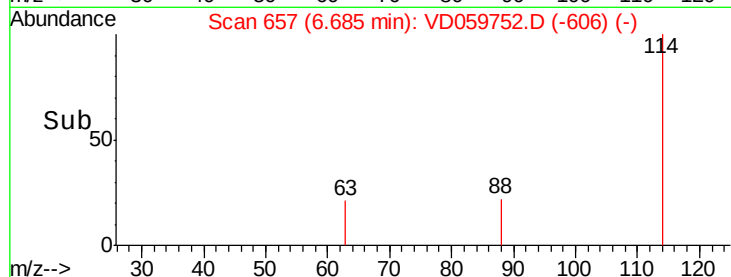
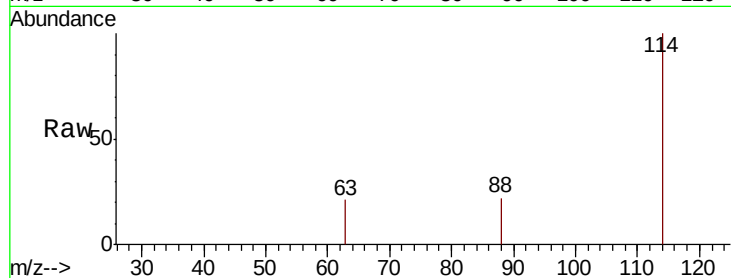




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.69 min Scan# 657  
 Delta R.T. 0.00 min  
 Lab File: VD059752.D  
 Acq: 13 Aug 2018 23:59

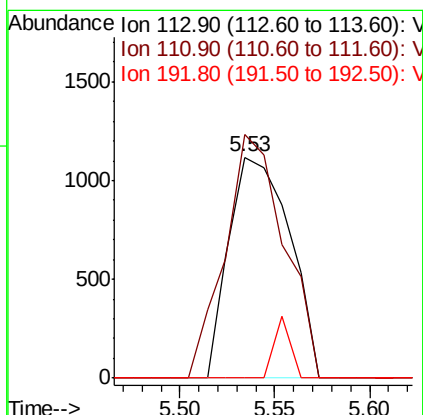
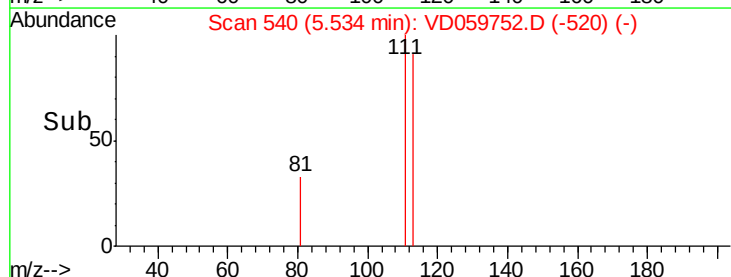
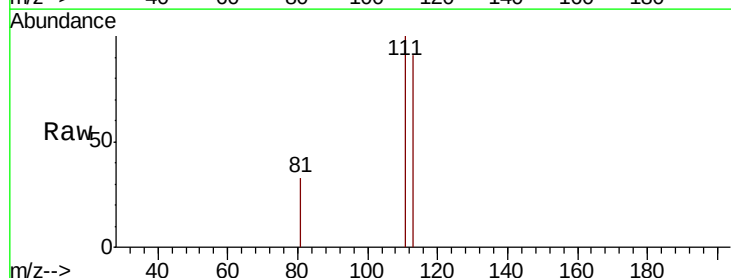
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SP-1-4

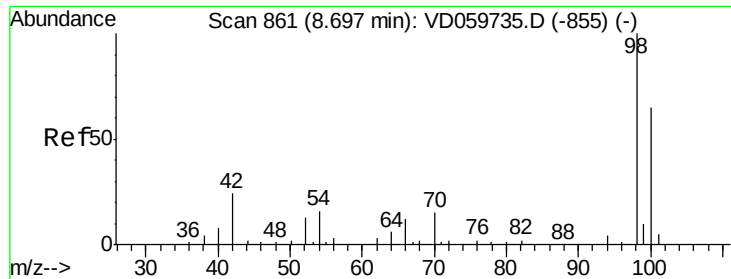
Tot Ion:114 Resp: 5077  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 50.6  
 88 22.0 0.0 43.4



#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 5.53 min Scan# 540  
 Delta R.T. -0.00 min  
 Lab File: VD059752.D  
 Acq: 13 Aug 2018 23:59

Tgt Ion:113 Resp: 2487  
 Ion Ratio Lower Upper  
 113 100  
 111 110.2 85.3 127.9  
 192 0.0 13.9 20.9#

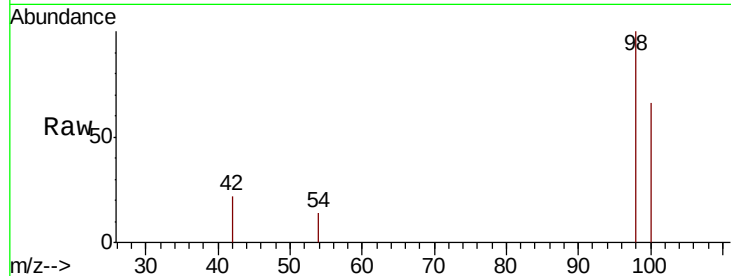




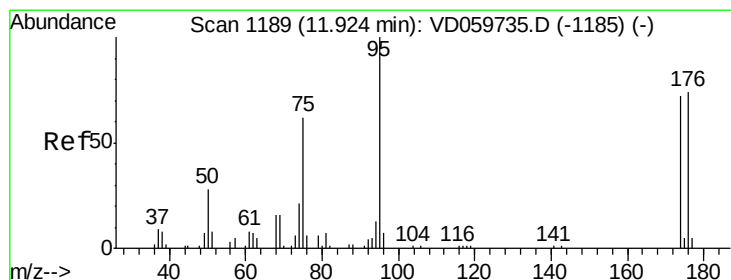
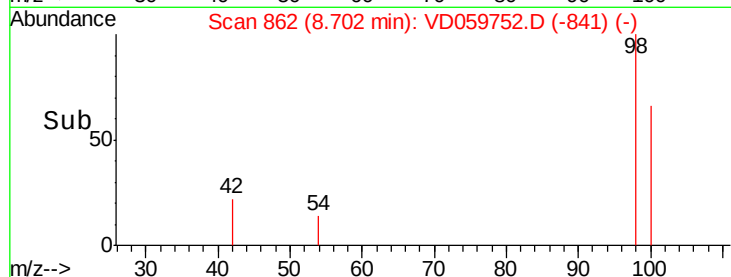
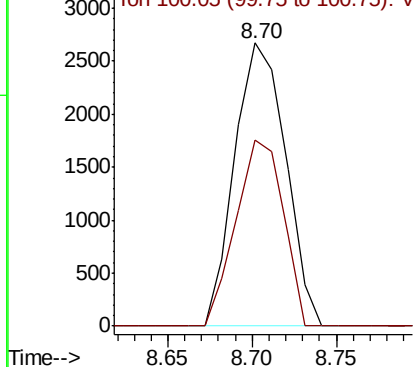
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 8.70 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VD059752.D  
Acq: 13 Aug 2018 23:59

Instrument :  
MSVOA\_D  
ClientSampleId :  
SP-1-4

Tot Ion: 98 Resp: 5602  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.2 78.2

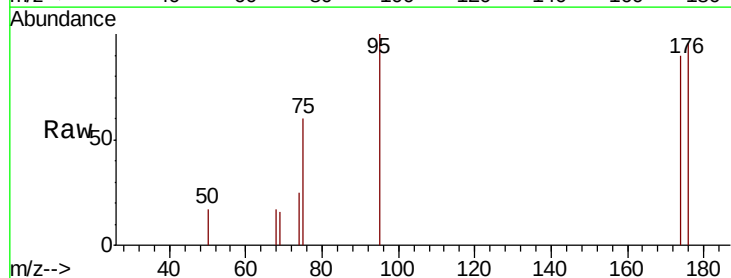


Abundance Ion 98.05 (97.75 to 98.75): VD059735.D  
Ion 100.05 (99.75 to 100.75): VD059735.D

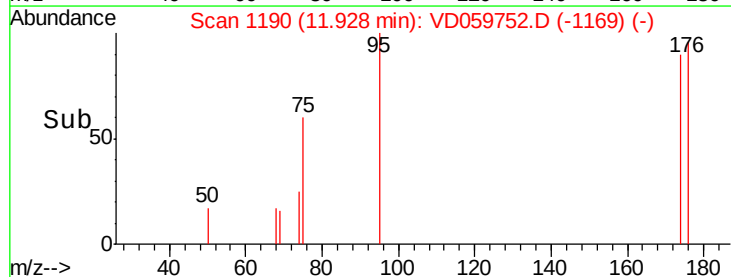
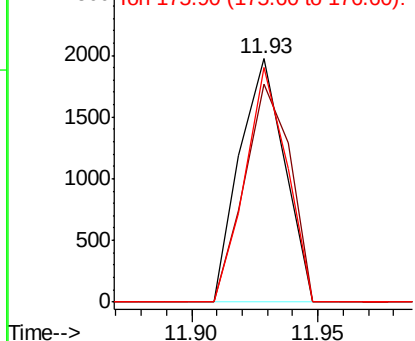


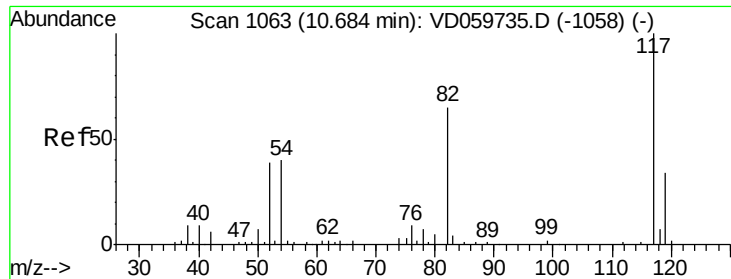
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 11.93 min Scan# 1190  
Delta R.T. 0.00 min  
Lab File: VD059752.D  
Acq: 13 Aug 2018 23:59

Tgt Ion: 95 Resp: 2445  
Ion Ratio Lower Upper  
95 100  
174 89.5 0.0 143.2  
176 96.3 0.0 147.2



Abundance Ion 95.00 (94.70 to 95.70): VD059735.D  
Ion 173.90 (173.60 to 174.60): VD059735.D  
Ion 175.90 (175.60 to 176.60): VD059735.D





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD059752.D

Acq: 13 Aug 2018 23:59

Instrument :

MSVOA\_D

ClientSampleID :

SP-1-4

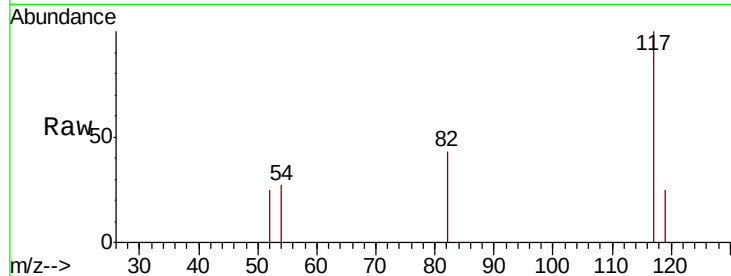
Tot Ion:117 Resp: 6069

Ion Ratio Lower Upper

117 100

82 42.7 51.9 77.9#

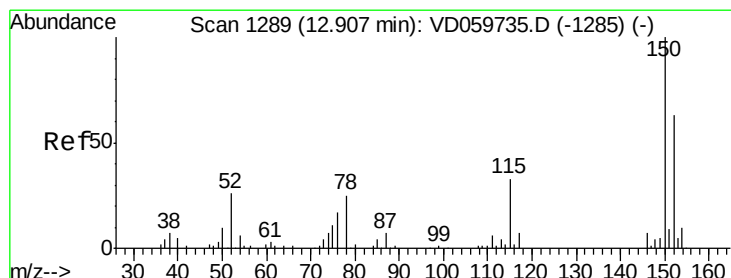
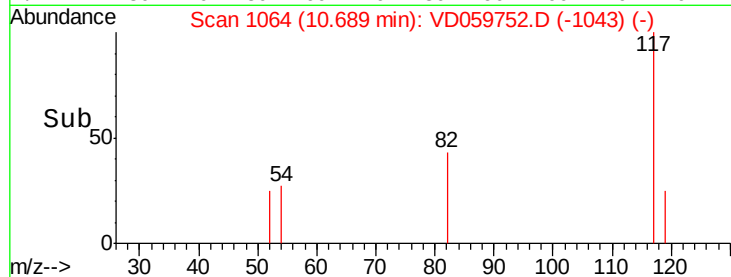
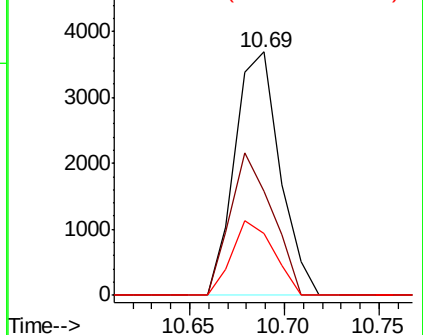
119 25.5 27.4 41.0#



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: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059752.D

Acq: 13 Aug 2018 23:59

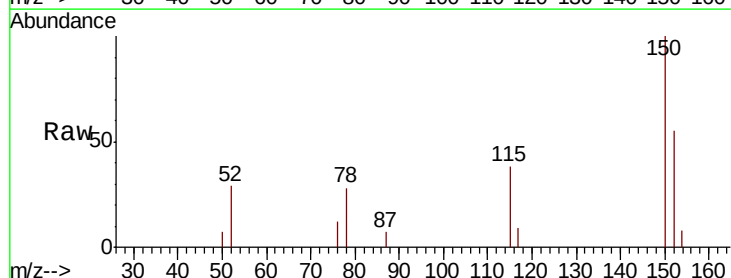
Tgt Ion:152 Resp: 3100

Ion Ratio Lower Upper

152 100

115 68.9 29.8 89.3

150 182.7 0.0 320.4



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

