

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\  
 Data File : VD062177.D  
 Acq On : 8 May 2019 16:39  
 Operator : FY/SY  
 Sample : K2672-11RE  
 Misc : 5.00g/5mL/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-06-1.5-2.0RE

Quant Time: May 09 02:07:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 14:26:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.03  | 168  | 32080    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 59822    | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.35 | 117  | 44547    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.50 | 152  | 19560    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 34590    | 116.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 232.06% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 30096    | 60.63  | ug/l    | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 121.26% |          |
| 50) Toluene-d8              | 10.39 | 98   | 46707    | 39.03  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.06%  |          |
| 62) 4-Bromofluorobenzene    | 13.54 | 95   | 21924    | 45.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.24%  |          |

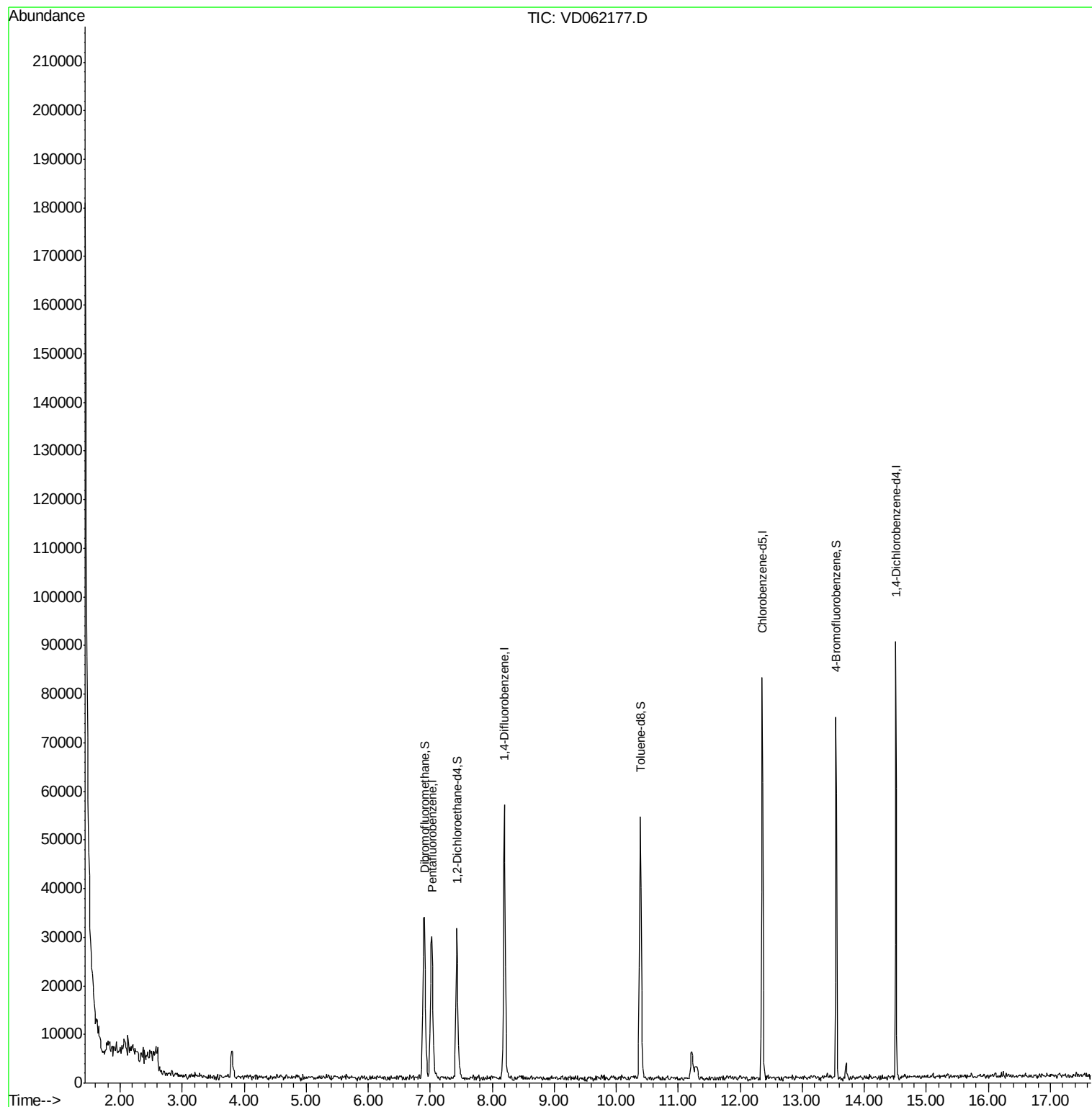
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

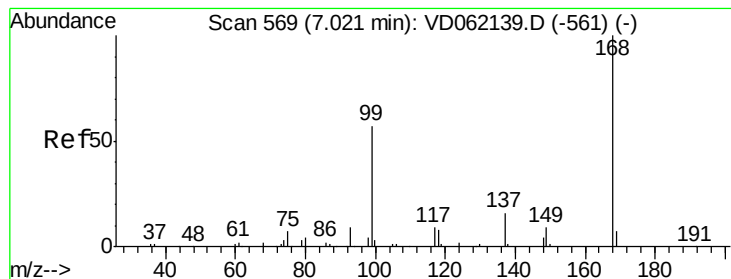
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050819\  
Data File : VD062177.D  
Acq On : 8 May 2019 16:39  
Operator : FY/SY  
Sample : K2672-11RE  
Misc : 5.00µ/5mL/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-1.5-2.0RE

Quant Time: May 09 02:07:26 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062177.D

Acq: 8 May 2019 16:39

Instrument :

MSVOA\_D

ClientSampleId :

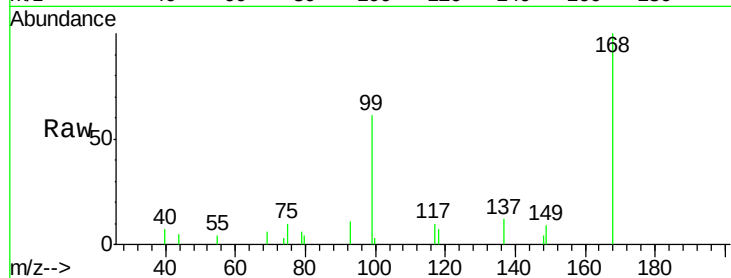
SB-06-1.5-2.0RE

Tot Ion:168 Resp: 32080

Ion Ratio Lower Upper

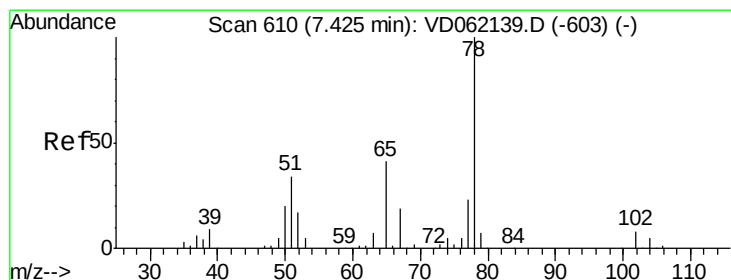
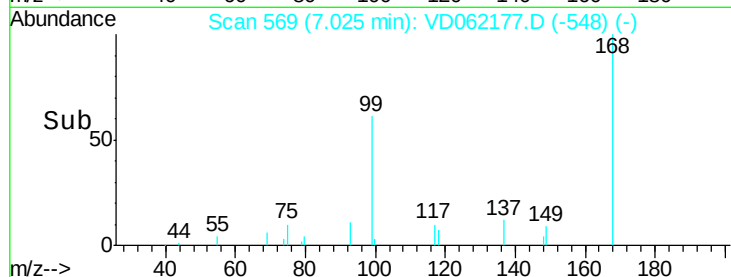
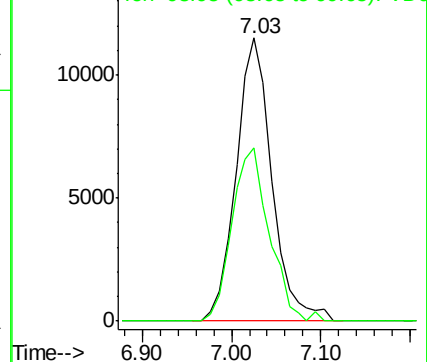
168 100

99 61.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 116.026 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD062177.D

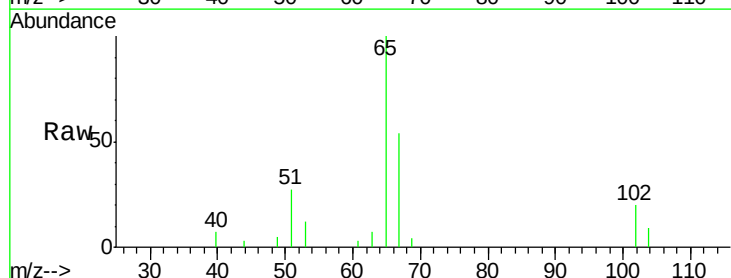
Acq: 8 May 2019 16:39

Tgt Ion: 65 Resp: 34590

Ion Ratio Lower Upper

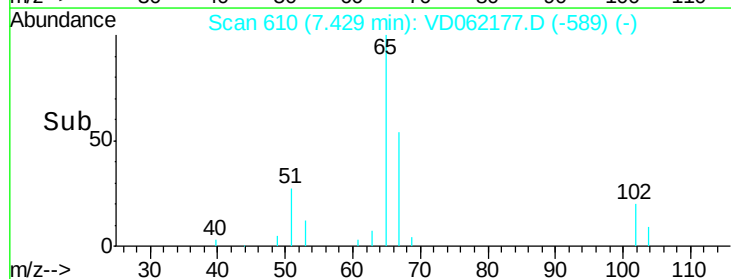
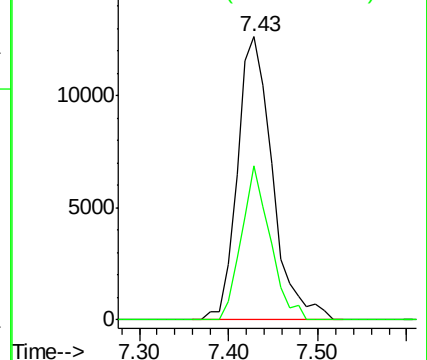
65 100

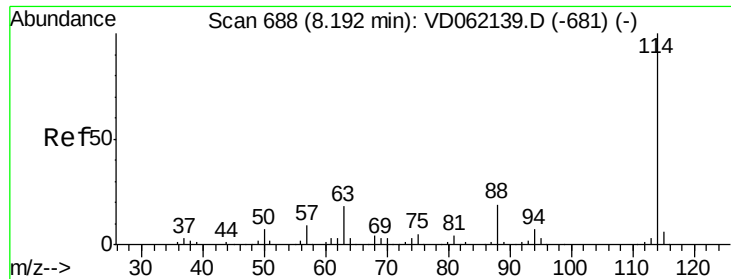
67 54.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

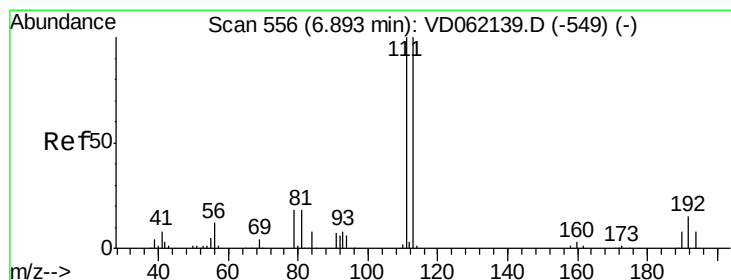
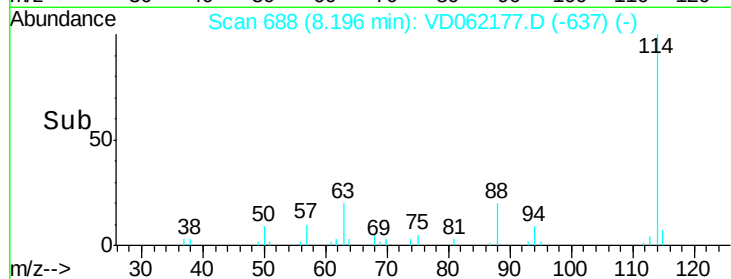
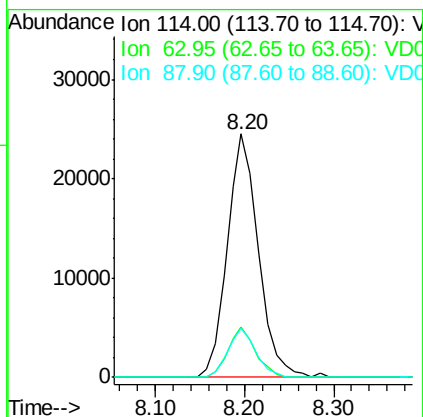
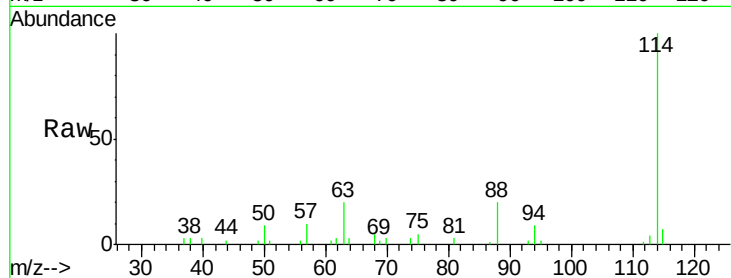




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.20 min Scan# 688  
Delta R.T. 0.00 min  
Lab File: VD062177.D  
Acq: 8 May 2019 16:39

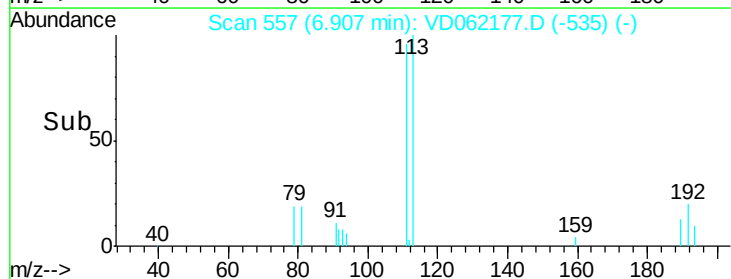
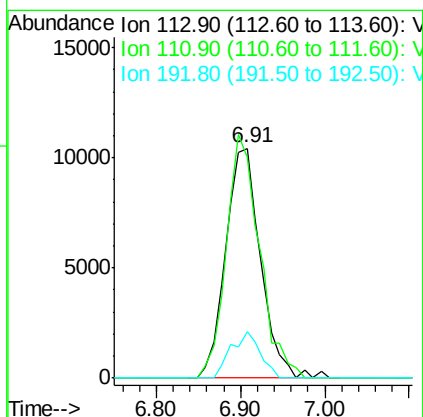
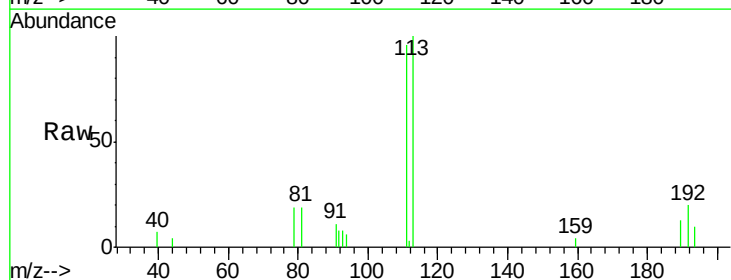
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-1.5-2.0RE

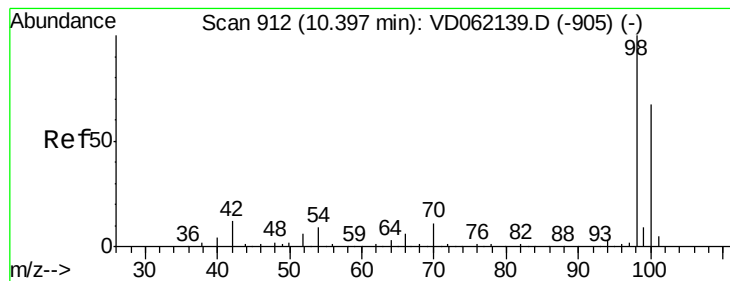
Tot Ion:114 Resp: 59822  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 32.4  
88 20.2 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 60.635 ug/l  
RT: 6.91 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: VD062177.D  
Acq: 8 May 2019 16:39

Tgt Ion:113 Resp: 30096  
Ion Ratio Lower Upper  
113 100  
111 96.1 78.5 117.7  
192 20.0 13.0 19.4#





#50

Toluene-d8

Concen: 39.029 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062177.D

Acq: 8 May 2019 16:39

Instrument :

MSVOA\_D

ClientSampleId :

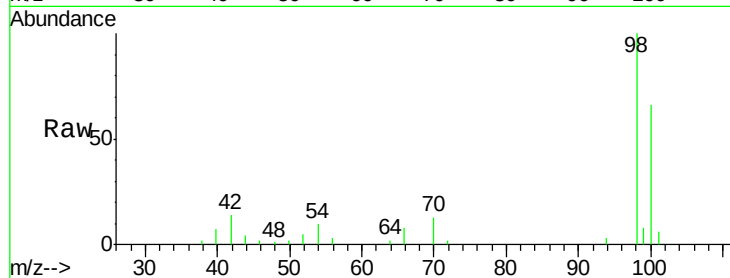
SB-06-1.5-2.0RE

Tot Ion: 98 Resp: 46707

Ion Ratio Lower Upper

98 100

100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.39

25000

20000

15000

10000

5000

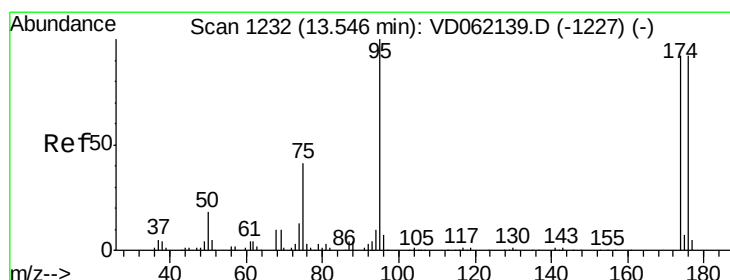
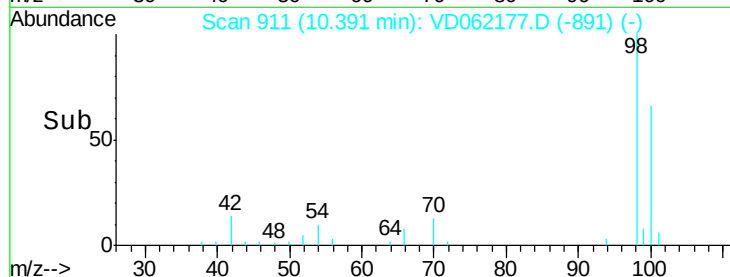
0

Time-->

10.30

10.40

10.50



#62

4-Bromofluorobenzene

Concen: 45.621 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD062177.D

Acq: 8 May 2019 16:39

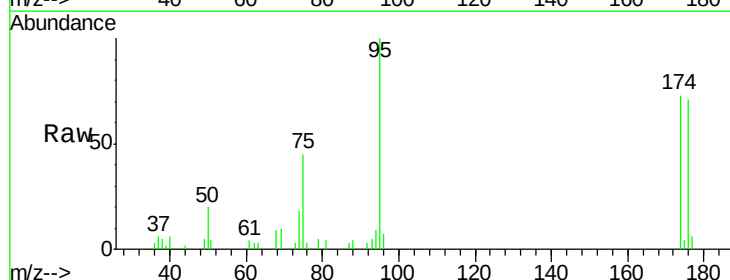
Tgt Ion: 95 Resp: 21924

Ion Ratio Lower Upper

95 100

174 72.9 0.0 181.8

176 70.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.54

20000

15000

10000

5000

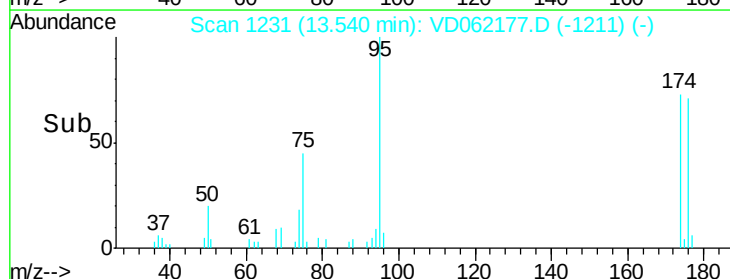
0

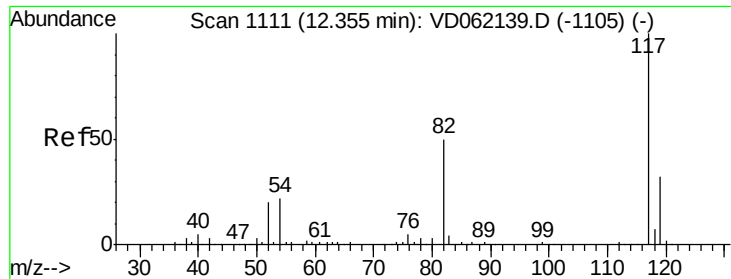
Time-->

13.50

13.55

13.60

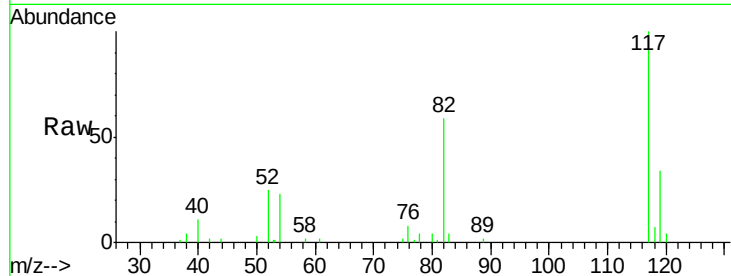




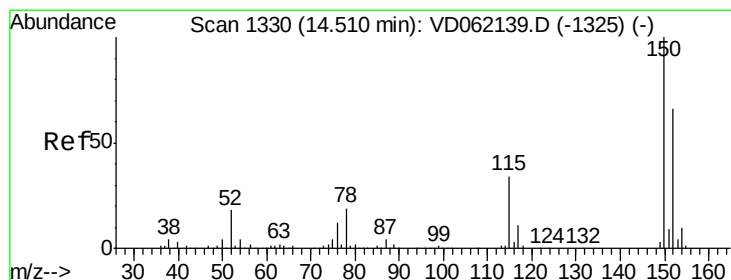
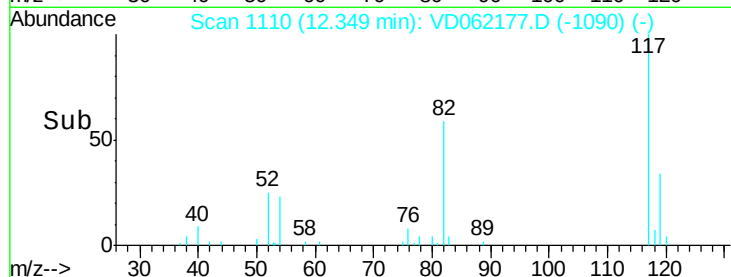
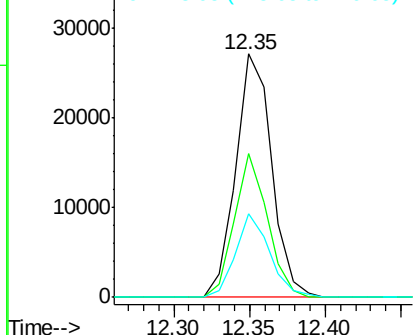
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.35 min Scan# 1110  
Delta R.T. -0.01 min  
Lab File: VD062177.D  
Acq: 8 May 2019 16:39

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-06-1.5-2.0RE

Tot Ion:117 Resp: 44547  
Ion Ratio Lower Upper  
117 100  
82 58.8 36.2 54.2#  
119 34.2 26.2 39.4

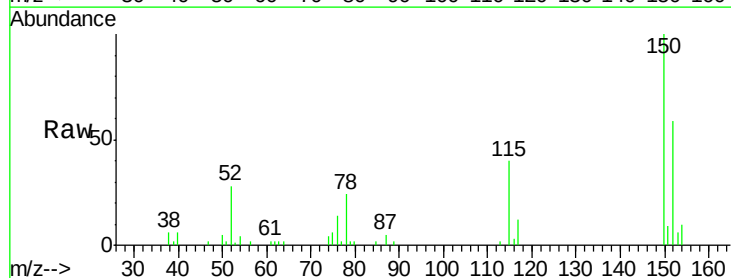


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.50 min Scan# 1329  
Delta R.T. -0.01 min  
Lab File: VD062177.D  
Acq: 8 May 2019 16:39

Tgt Ion:152 Resp: 19560  
Ion Ratio Lower Upper  
152 100  
115 67.9 30.9 92.7  
150 168.3 0.0 314.8



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

