

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050919\  
 Data File : VD062186.D  
 Acq On : 9 May 2019 14:05  
 Operator : FY/SY  
 Sample : VD0509SBL01  
 Misc : 5.00g/5mL/MSVOA D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0509SBL01

Quant Time: May 10 04:30:36 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      | 7.02  | 168  | 963271   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 1393943  | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1124158  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 568175   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.44   | 65  | 474995   | 53.06 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.12% |      |
| 35) Dibromofluoromethane    | 6.90   | 113 | 600088   | 51.89 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.78% |      |
| 50) Toluene-d8              | 10.39  | 98  | 1393799  | 49.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.96%  |      |
| 62) 4-Bromofluorobenzene    | 13.55  | 95  | 561477   | 50.14 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.28% |      |

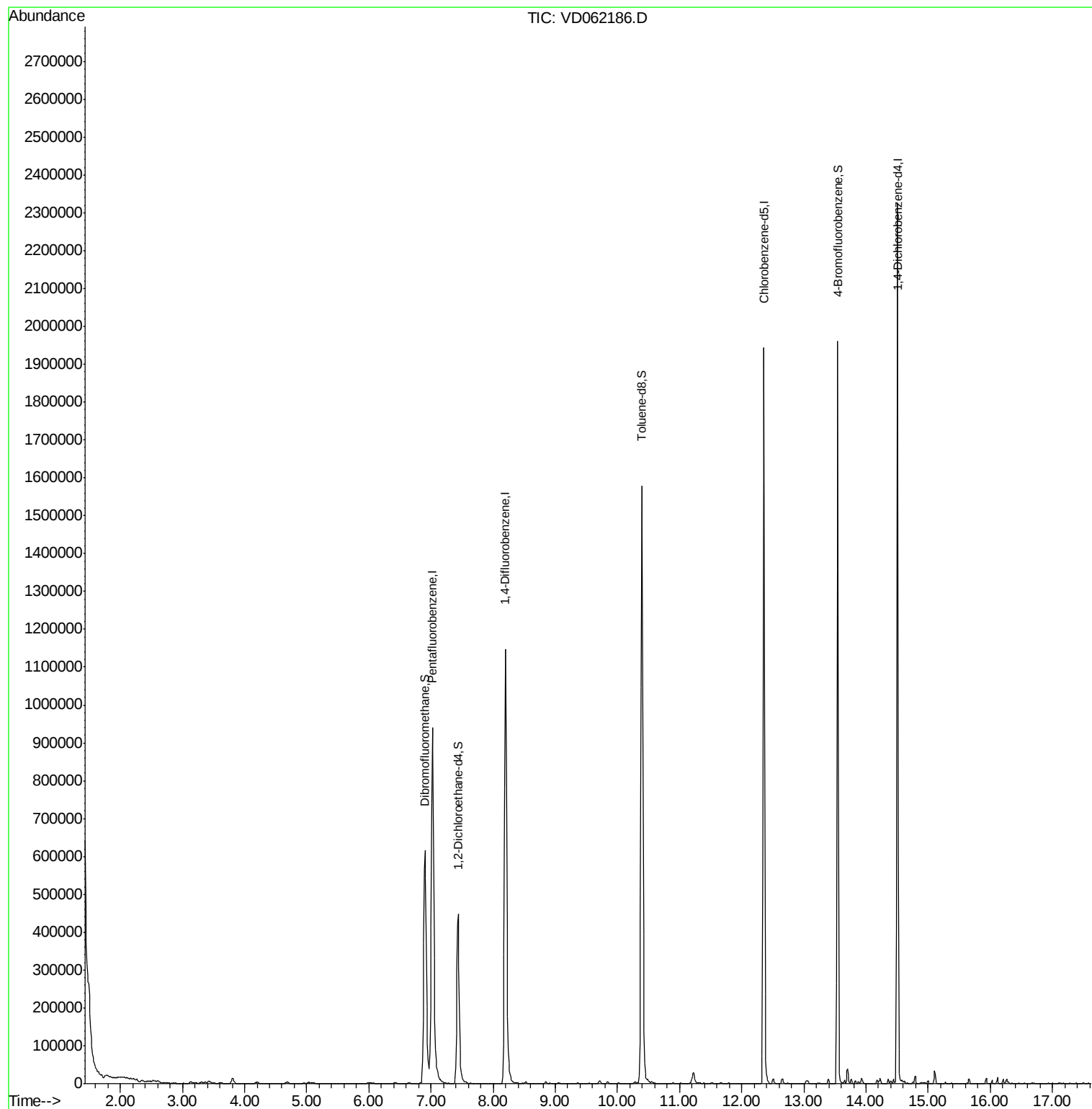
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

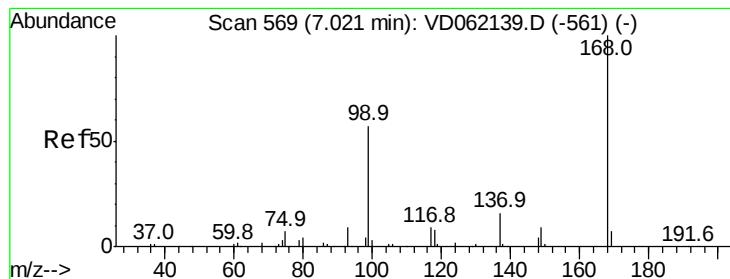
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA\_D

ClientSampleId :

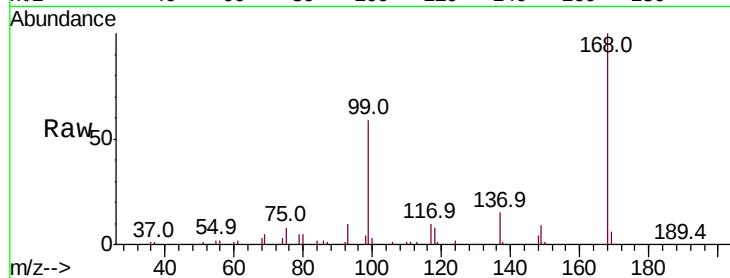
VD0509SBL01

Tot Ion:168 Resp: 963271

Ion Ratio Lower Upper

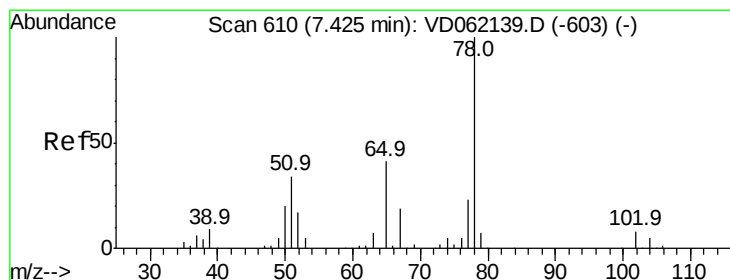
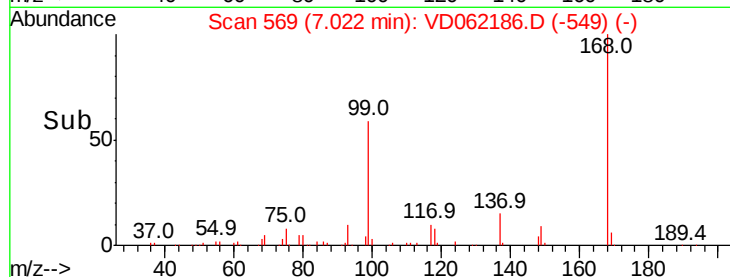
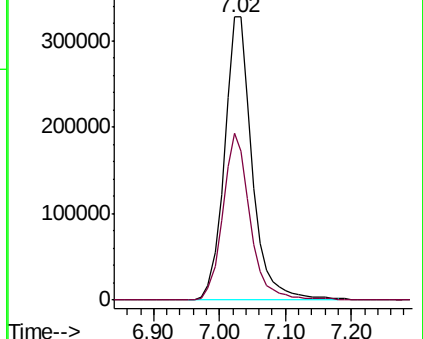
168 100

99 58.9 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: 53.061 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD062186.D

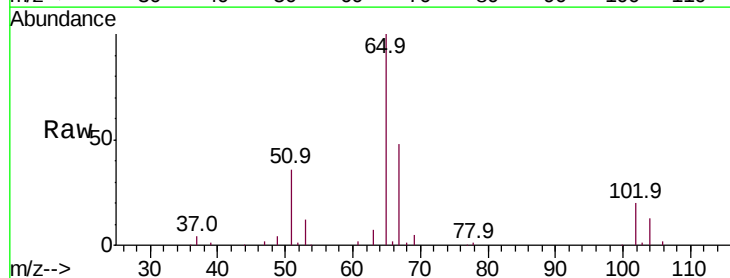
Acq: 9 May 2019 14:05

Tgt Ion: 65 Resp: 474995

Ion Ratio Lower Upper

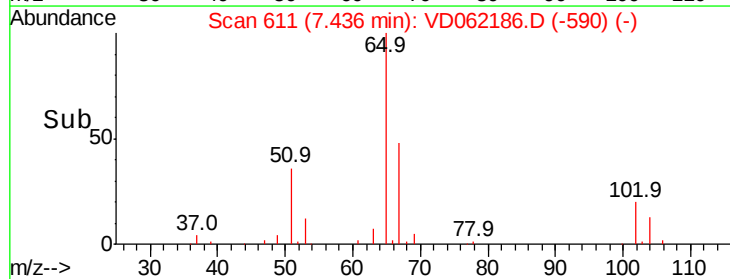
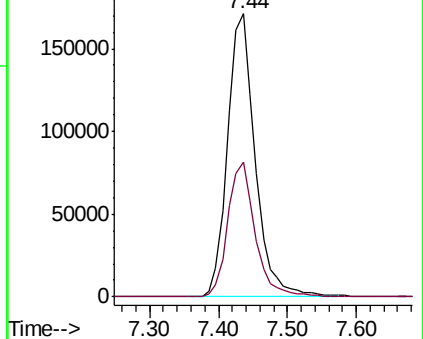
65 100

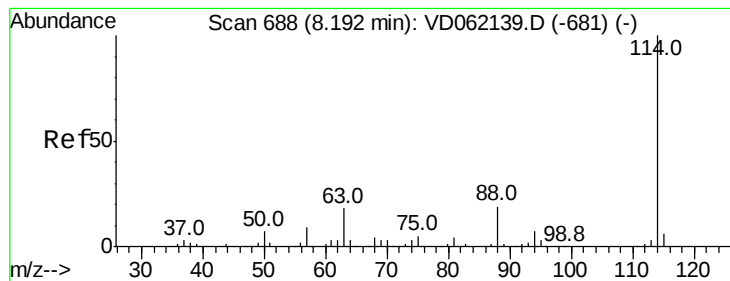
67 47.7 0.0 98.0



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# 689

Delta R.T. 0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA\_D

ClientSampleId :

VD0509SBL01

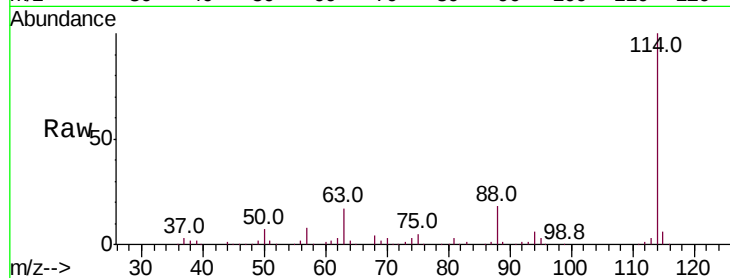
Tot Ion:114 Resp: 1393943

Ion Ratio Lower Upper

114 100

63 17.3 0.0 32.4

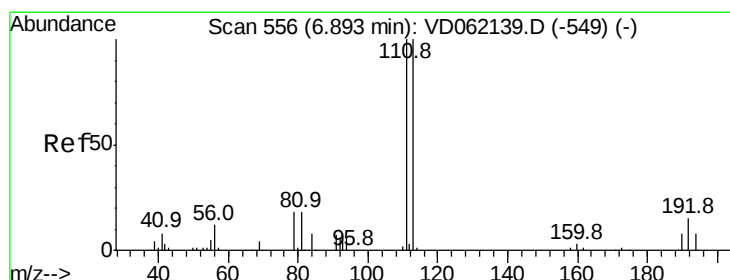
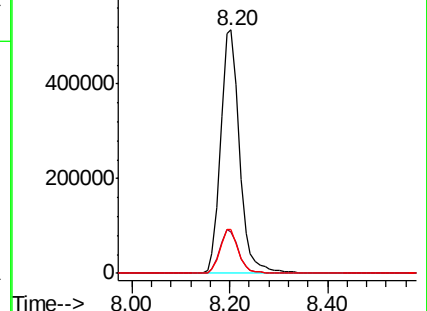
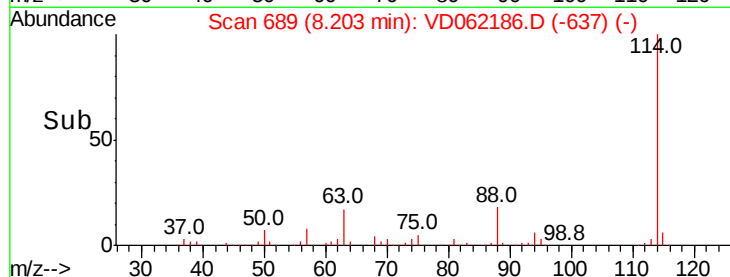
88 17.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.885 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

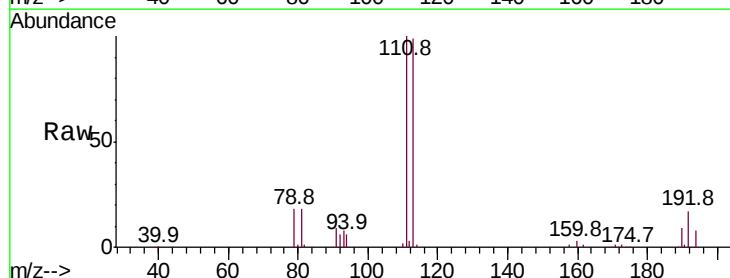
Tgt Ion:113 Resp: 600088

Ion Ratio Lower Upper

113 100

111 100.8 78.5 117.7

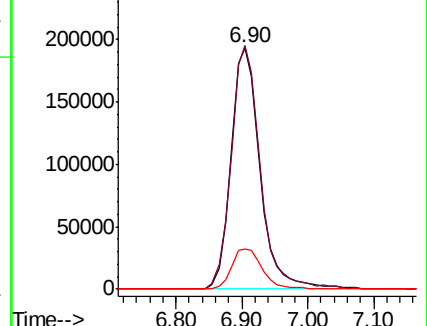
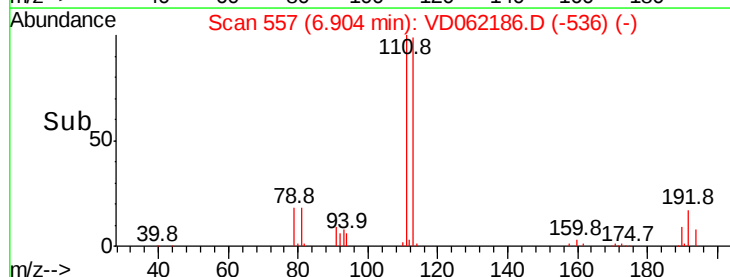
192 16.8 13.0 19.4

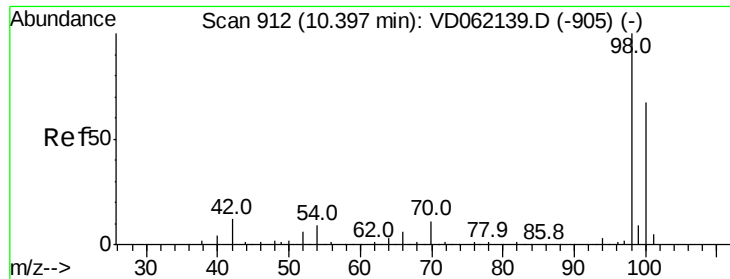


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 49.982 ug/l

RT: 10.39 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

Instrument :

MSVOA\_D

ClientSampleId :

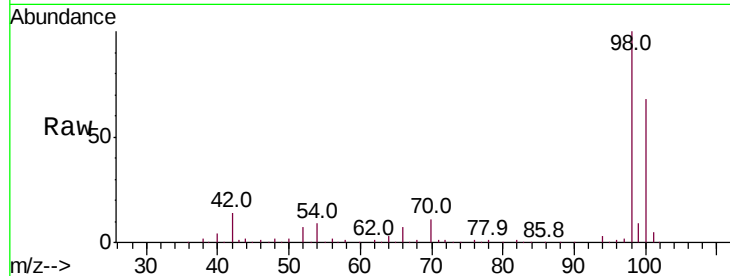
VD0509SBL01

Tot Ion: 98 Resp: 1393799

Ion Ratio Lower Upper

98 100

100 68.2 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

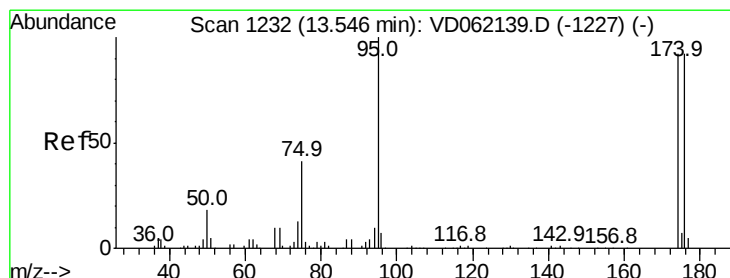
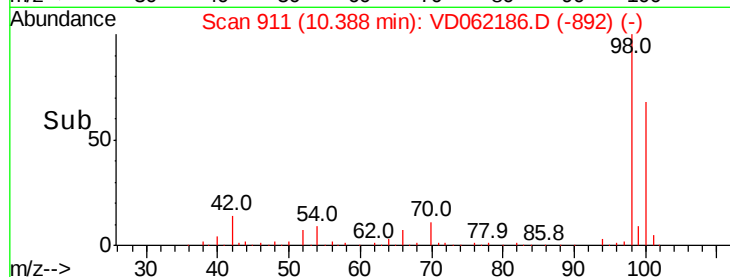
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.141 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD062186.D

Acq: 9 May 2019 14:05

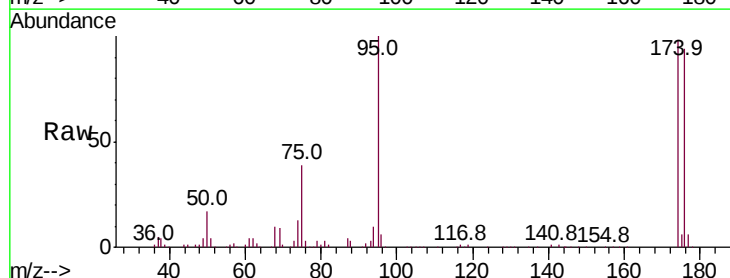
Tgt Ion: 95 Resp: 561477

Ion Ratio Lower Upper

95 100

174 97.9 0.0 181.8

176 93.5 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) (-)

500000

400000

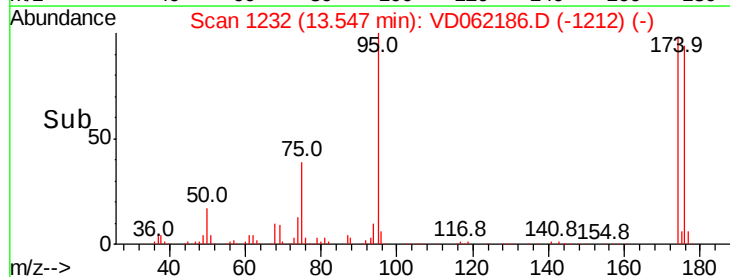
300000

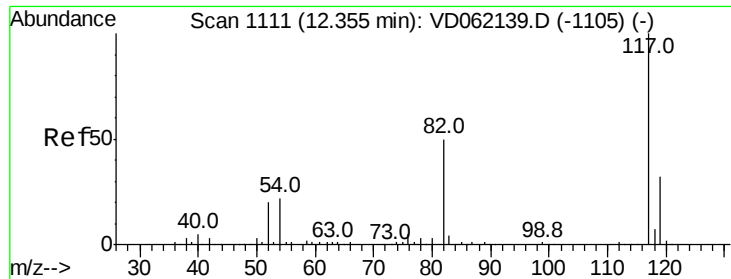
200000

100000

0

Time-->



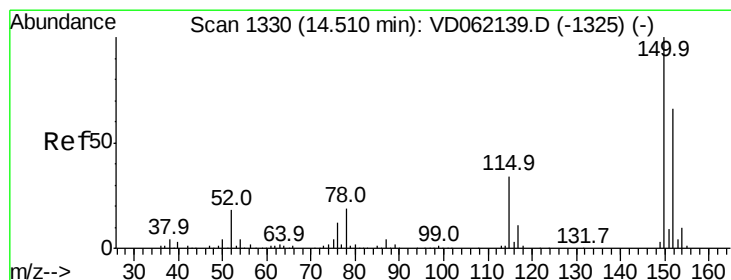
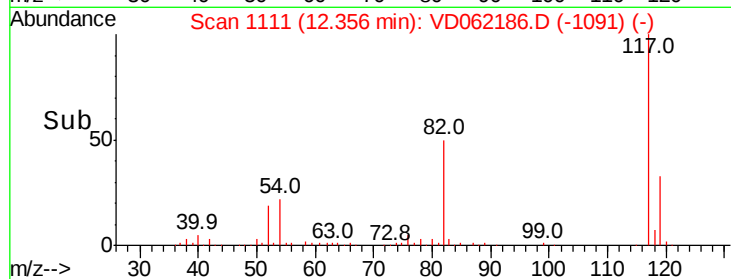
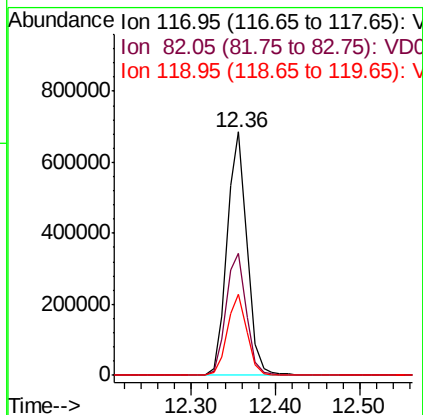
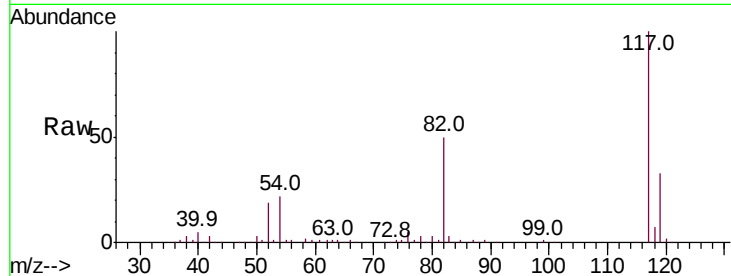


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.36 min Scan# 1111  
 Delta R.T. 0.00 min  
 Lab File: VD062186.D  
 Acq: 9 May 2019 14:05

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0509SBL01

Tot Ion:117 Resp: 1124158  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 50.2  | 36.2  | 54.2  |
| 119 | 33.3  | 26.2  | 39.4  |



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.51 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VD062186.D  
 Acq: 9 May 2019 14:05

Tgt Ion:152 Resp: 568175  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 51.4  | 30.9  | 92.7  |
| 150 | 154.7 | 0.0   | 314.8 |

