

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\  
 Data File : VD062755.D  
 Acq On : 18 Jun 2019 17:47  
 Operator : VA/AP  
 Sample : K3419-08  
 Misc : 5.03g/5ml/MSVOA D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-D

Quant Time: Jun 19 06:38:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 08 00:02:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 782626   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1023231  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 858016   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 490297   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 7.46   | 65  | 416769   | 36.90 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 73.80% |      |
| 35) Dibromofluoromethane    | 6.92   | 113 | 477020   | 44.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.40% |      |
| 50) Toluene-d8              | 10.42  | 98  | 1013643  | 44.65 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.30% |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 451773   | 42.66 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.32% |      |

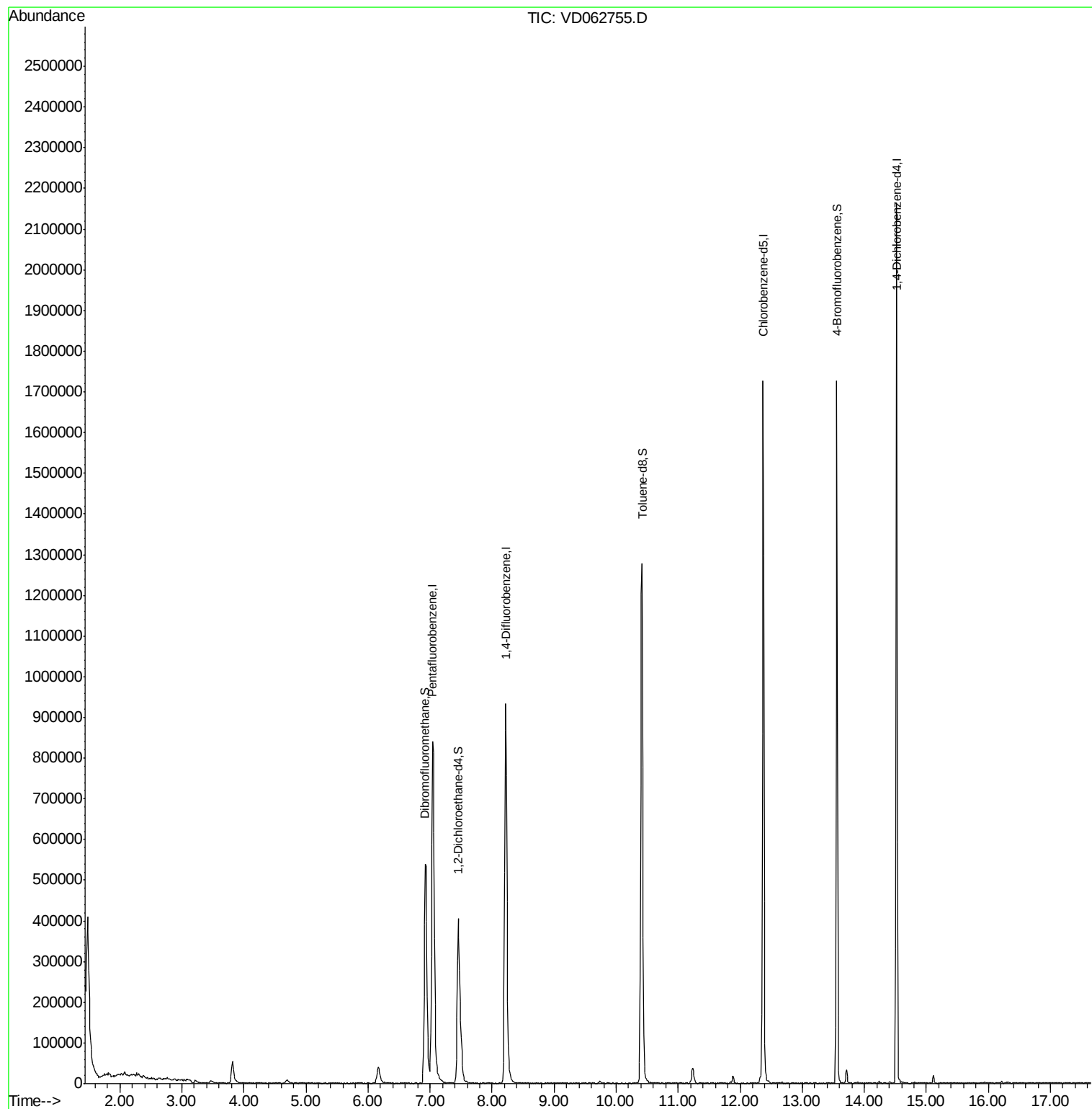
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

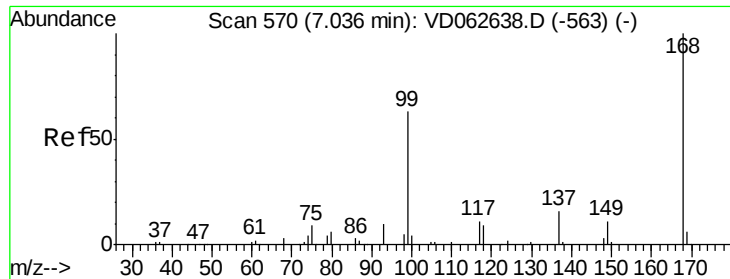
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\  
Data File : VD062755.D  
Acq On : 18 Jun 2019 17:47  
Operator : VA/AP  
Sample : K3419-08  
Misc : 5.03g/5ml/MSVOA D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-D

Quant Time: Jun 19 06:38:33 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D060719S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 08 00:02:21 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062755.D

Acq: 18 Jun 2019 17:47

Instrument :

MSVOA\_D

ClientSampleId :

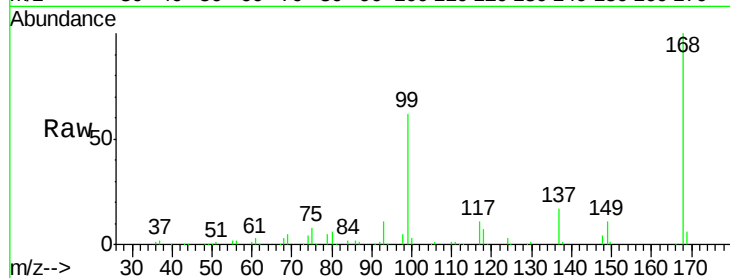
TP-D

Tot Ion:168 Resp: 782626

Ion Ratio Lower Upper

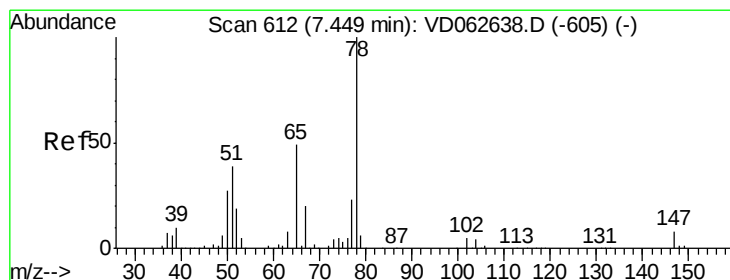
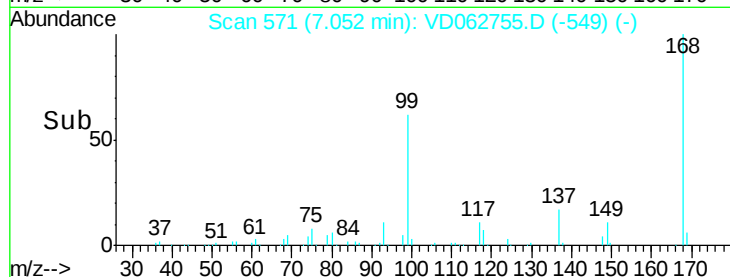
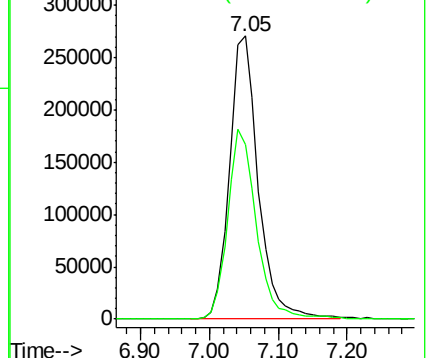
168 100

99 61.7 51.4 77.2



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: 36.904 ug/l

RT: 7.46 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD062755.D

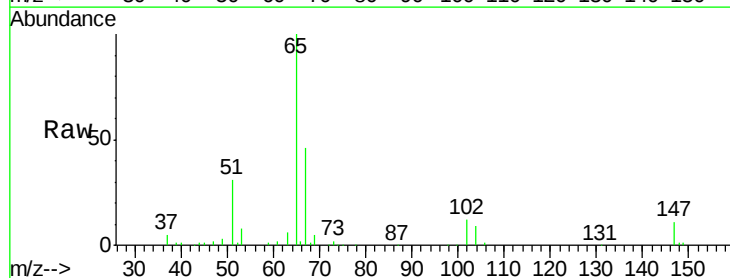
Acq: 18 Jun 2019 17:47

Tgt Ion: 65 Resp: 416769

Ion Ratio Lower Upper

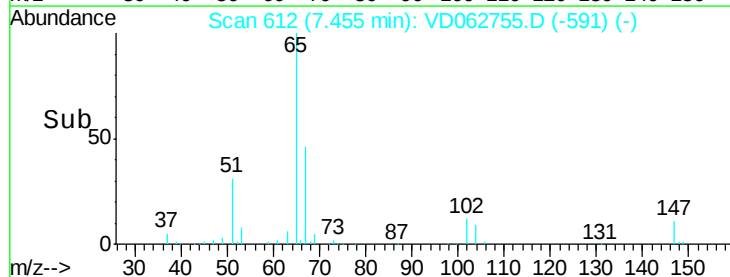
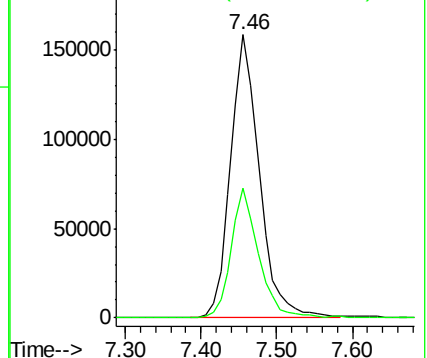
65 100

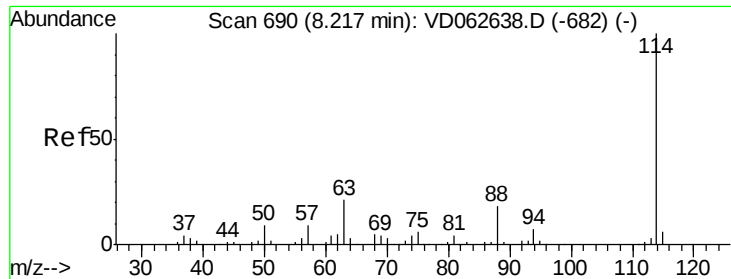
67 45.9 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

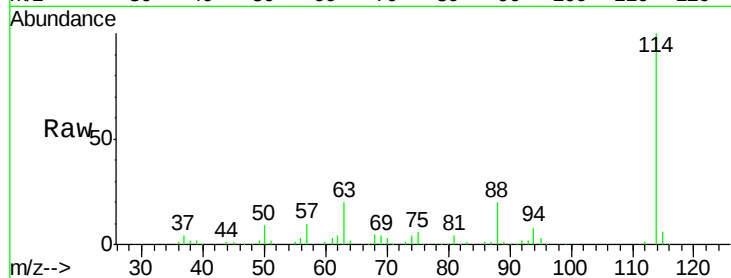




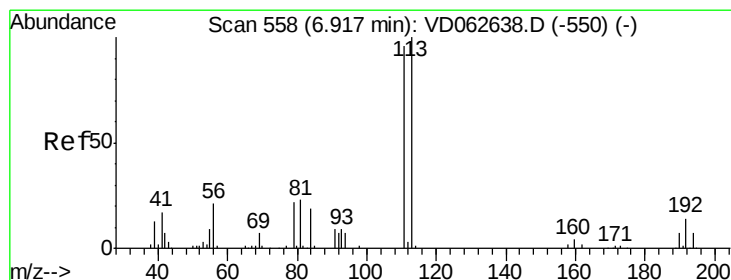
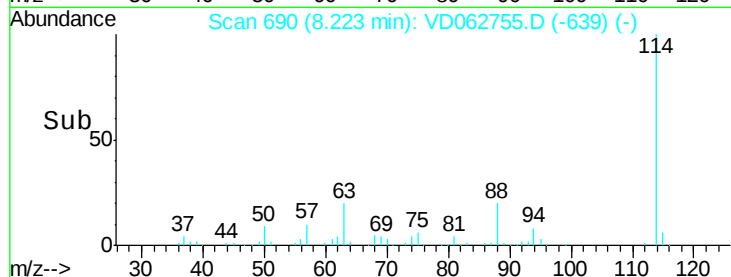
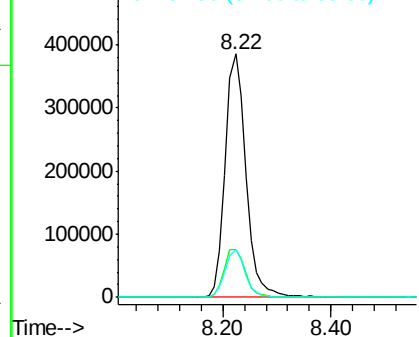
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.01 min  
 Lab File: VD062755.D  
 Acq: 18 Jun 2019 17:47

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-D

Tot Ion:114 Resp: 1023231  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 42.4  
 88 19.7 0.0 36.8

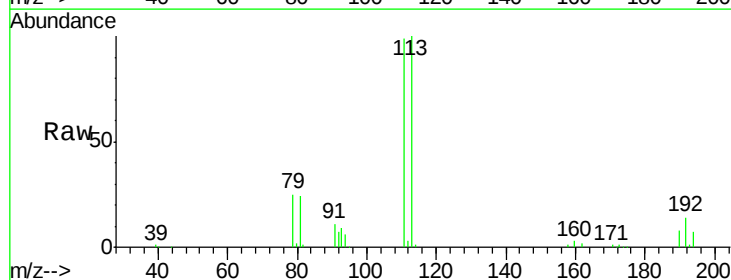


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

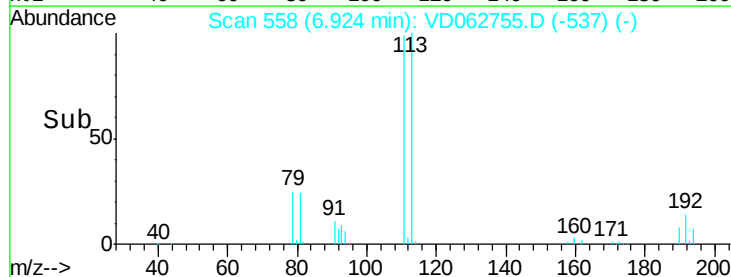
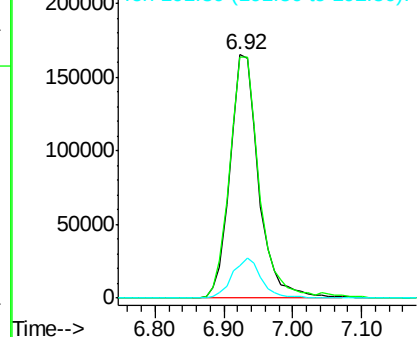


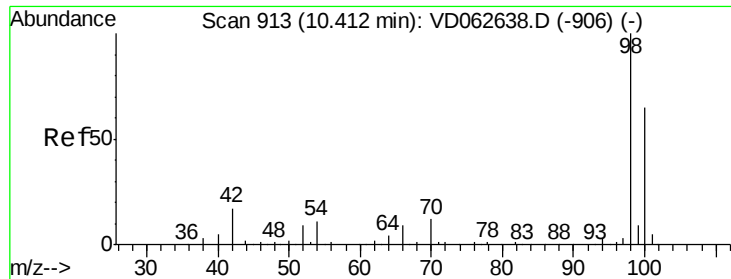
#35  
 Dibromofluoromethane  
 Concen: 44.204 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD062755.D  
 Acq: 18 Jun 2019 17:47

Tgt Ion:113 Resp: 477020  
 Ion Ratio Lower Upper  
 113 100  
 111 98.8 76.4 114.6  
 192 13.5 11.4 17.0



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

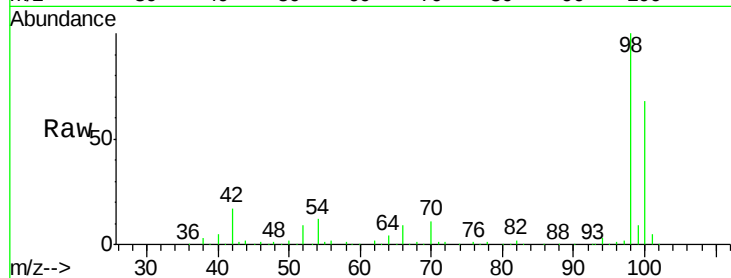




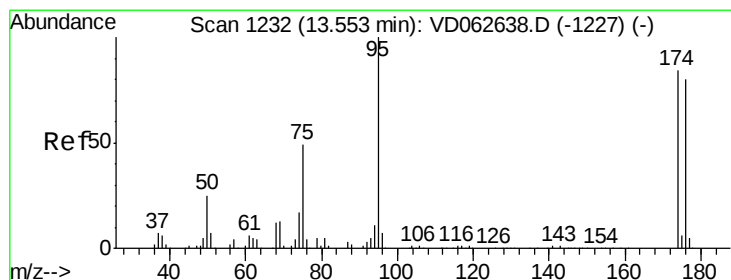
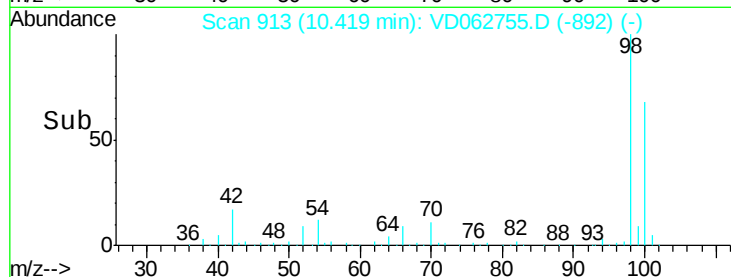
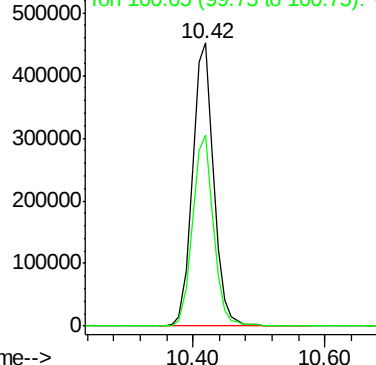
#50  
Toluene-d8  
Concen: 44.652 ug/l  
RT: 10.42 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD062755.D  
Acq: 18 Jun 2019 17:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-D

Tot Ion: 98 Resp: 1013643  
Ion Ratio Lower Upper  
98 100  
100 67.6 52.1 78.1

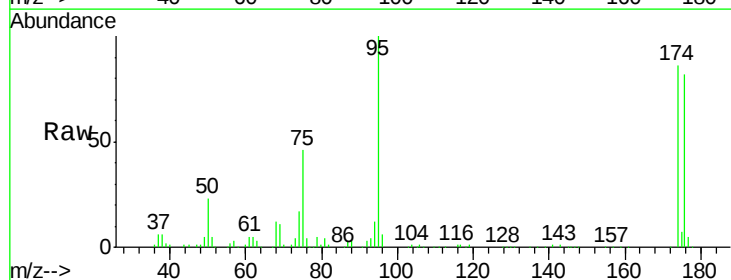


Abundance Ion 98.05 (97.75 to 98.75): VD062638.D (-906) (-)  
Ion 100.05 (99.75 to 100.75): VD062638.D (-906) (-)

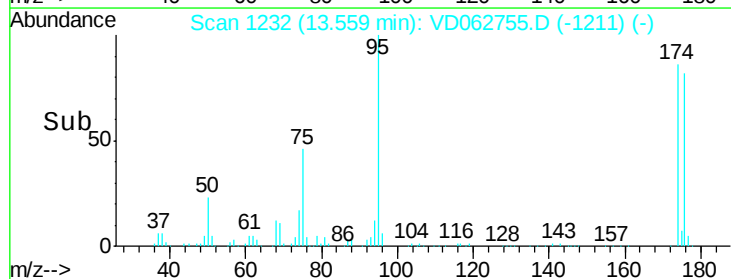
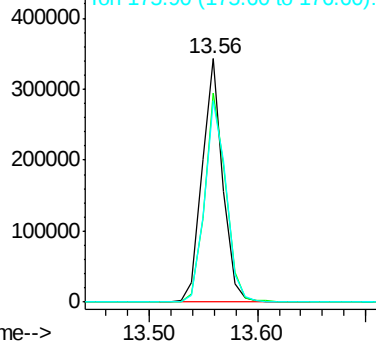


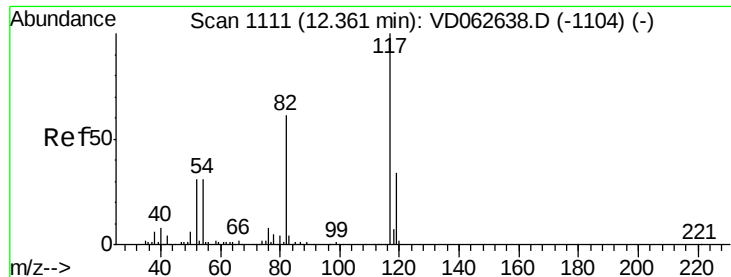
#62  
4-Bromofluorobenzene  
Concen: 42.657 ug/l  
RT: 13.56 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: VD062755.D  
Acq: 18 Jun 2019 17:47

Tgt Ion: 95 Resp: 451773  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 167.0  
176 82.5 0.0 159.2



Abundance Ion 95.00 (94.70 to 95.70): VD062638.D (-1227) (-)  
Ion 173.90 (173.60 to 174.60): VD062638.D (-1227) (-)  
Ion 175.90 (175.60 to 176.60): VD062638.D (-1227) (-)

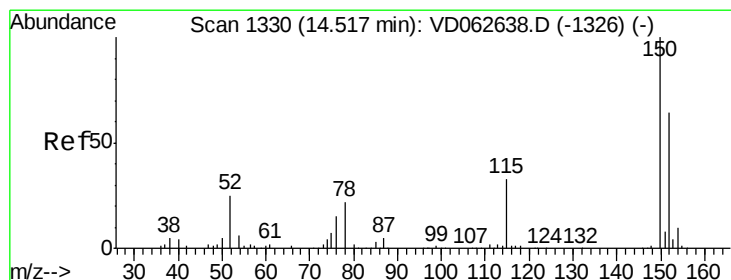
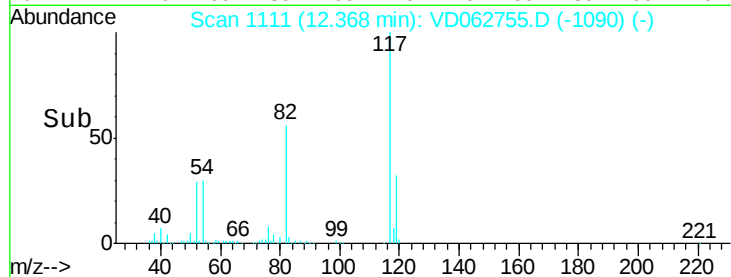
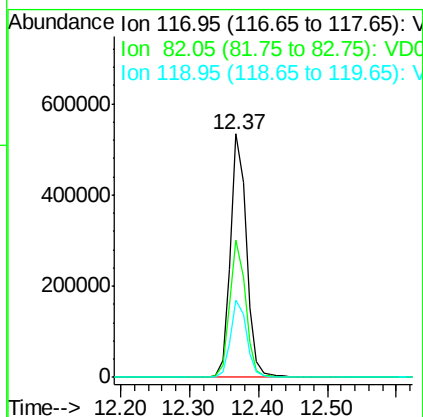
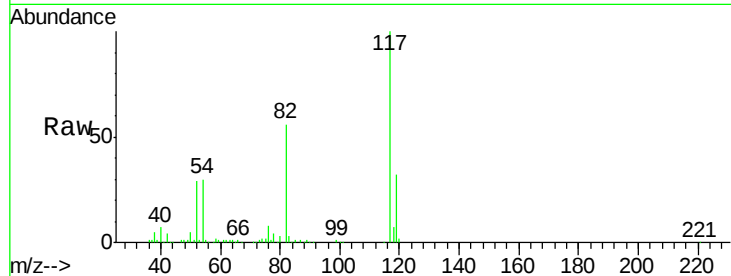




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD062755.D  
Acq: 18 Jun 2019 17:47

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-D

Tot Ion:117 Resp: 858016  
Ion Ratio Lower Upper  
117 100  
82 56.2 48.7 73.1  
119 31.7 27.0 40.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: VD062755.D  
Acq: 18 Jun 2019 17:47

Tgt Ion:152 Resp: 490297  
Ion Ratio Lower Upper  
152 100  
115 53.3 30.1 90.5  
150 153.2 0.0 314.0

