

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080719\  
 Data File : VD063422.D  
 Acq On : 7 Aug 2019 16:29  
 Operator : JC/SY  
 Sample : K4208-02RE  
 Misc : 3.99g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-02(0-2)RE

Quant Time: Aug 08 08:27:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 914473   | 50.00 | ug/l  | 0.03     |
| 34) 1,4-Difluorobenzene    | 8.23  | 114  | 1193687  | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 877507   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 316226   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.46   | 65  | 539617   | 53.18 | ug/l    | 0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.36% |      |
| 35) Dibromofluoromethane    | 6.93   | 113 | 545899   | 53.56 | ug/l    | 0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.12% |      |
| 50) Toluene-d8              | 10.42  | 98  | 1055282  | 46.27 | ug/l    | 0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.54%  |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 338521   | 32.57 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 65.14%  |      |

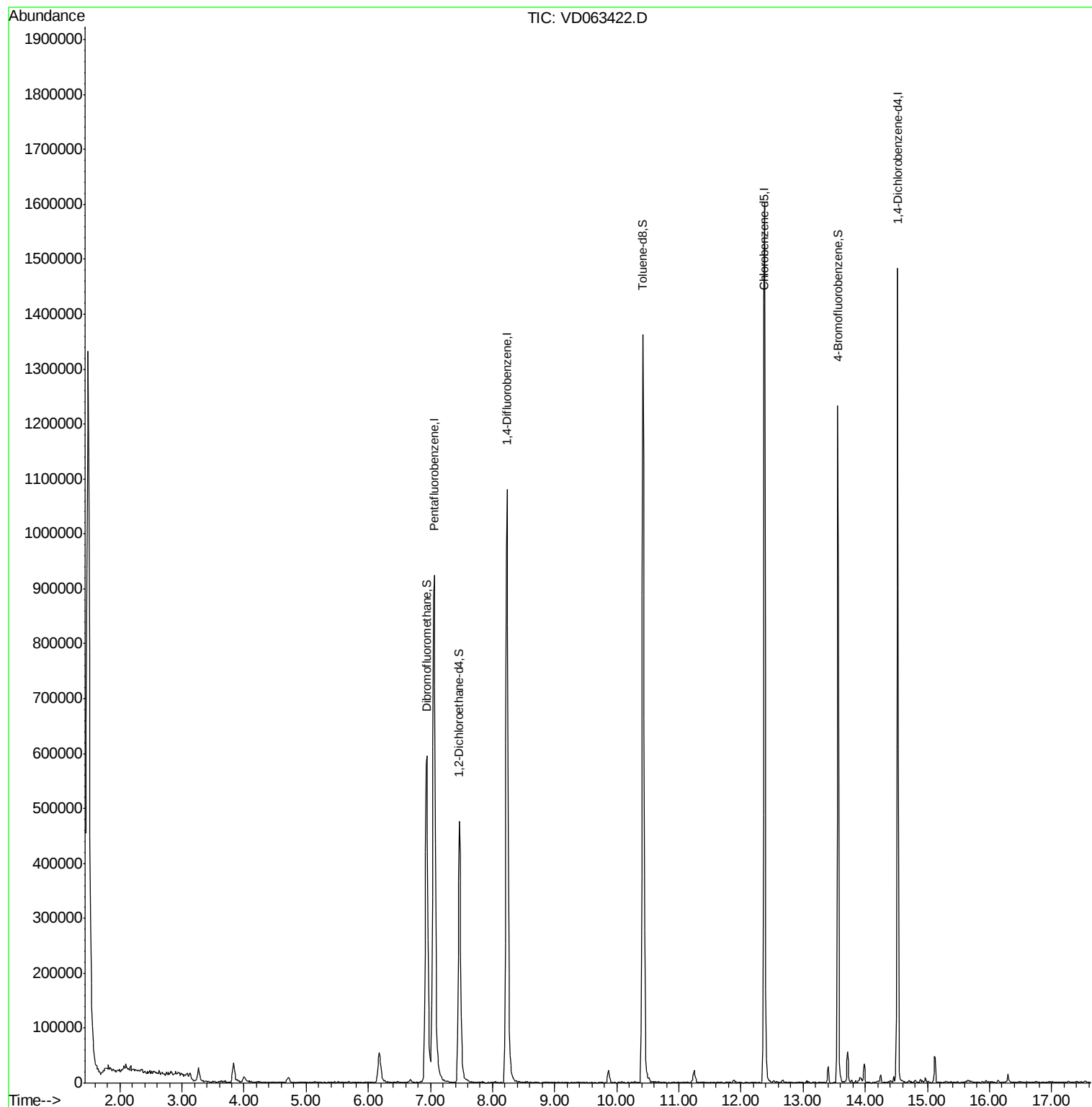
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

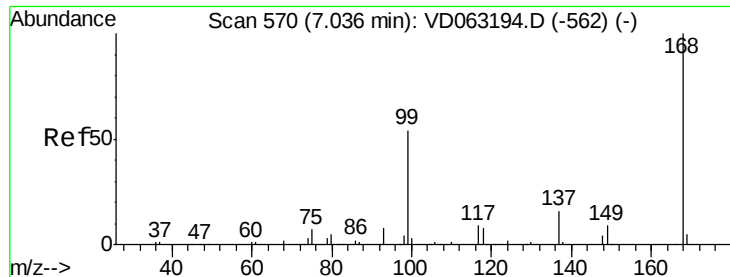
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080719\  
Data File : VD063422.D  
Acq On : 7 Aug 2019 16:29  
Operator : JC/SY  
Sample : K4208-02RE  
Misc : 3.99g/5ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-02(0-2)RE

Quant Time: Aug 08 08:27:46 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD063422.D

Acq: 7 Aug 2019 16:29

Instrument :

MSVOA\_D

ClientSampleId :

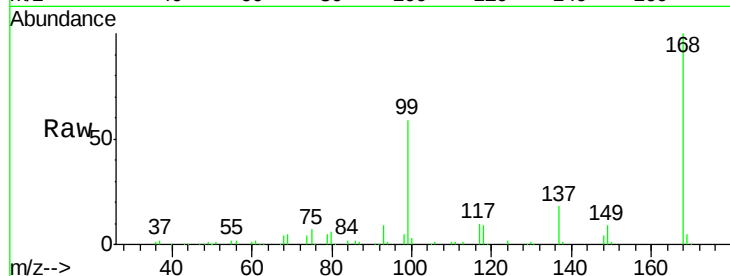
SB-02(0-2)RE

Tot Ion:168 Resp: 914473

Ion Ratio Lower Upper

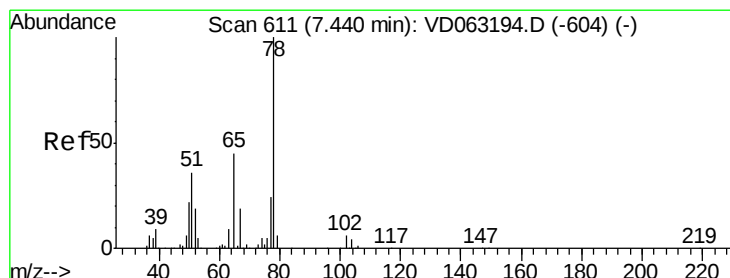
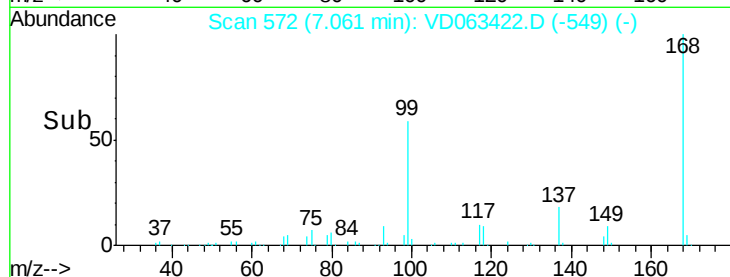
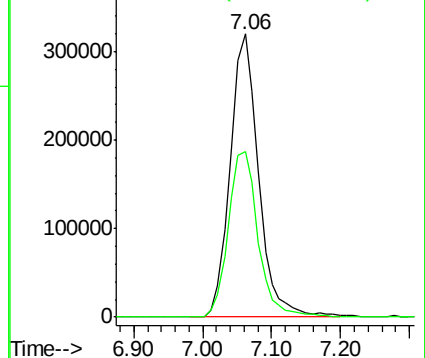
168 100

99 58.7 43.7 65.5



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: 53.180 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD063422.D

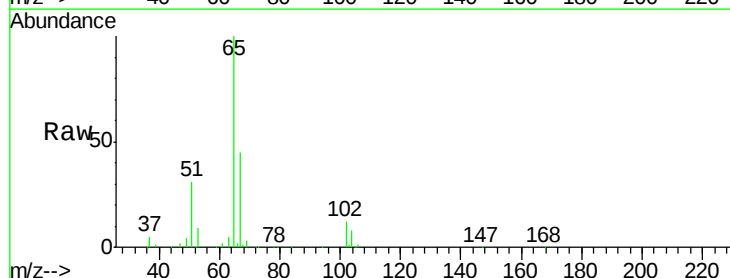
Acq: 7 Aug 2019 16:29

Tgt Ion: 65 Resp: 539617

Ion Ratio Lower Upper

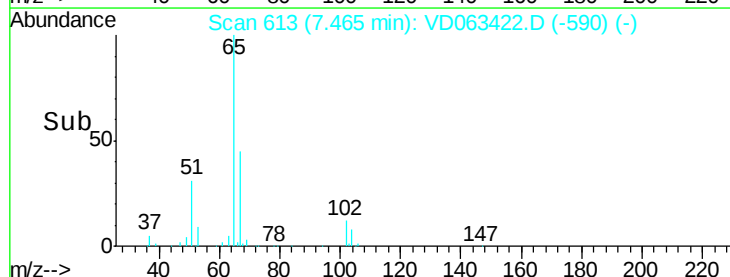
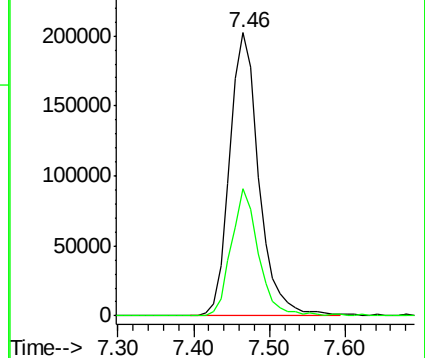
65 100

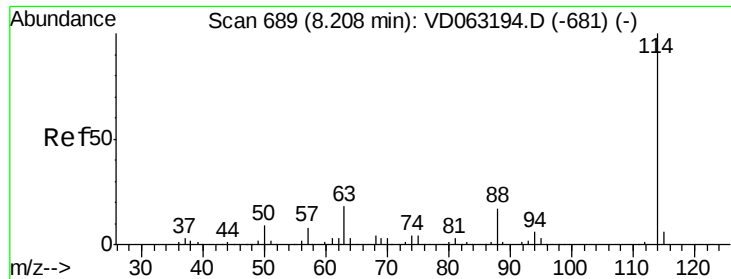
67 45.1 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

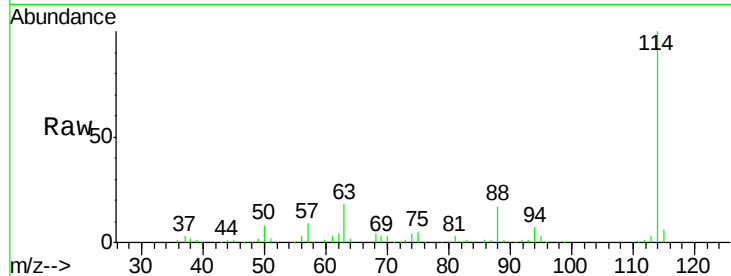




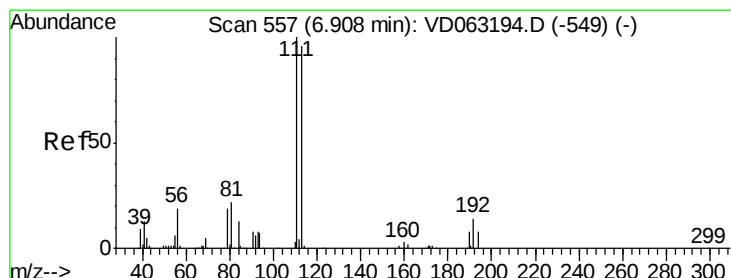
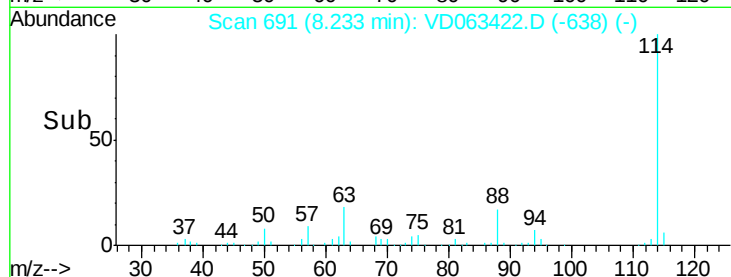
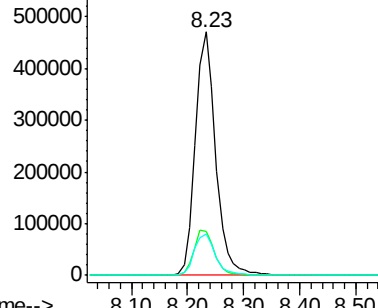
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 691  
 Delta R.T. 0.03 min  
 Lab File: VD063422.D  
 Acq: 7 Aug 2019 16:29

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-02(0-2)RE

Tot Ion:114 Resp: 1193687  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 35.2  
 88 17.0 0.0 34.6

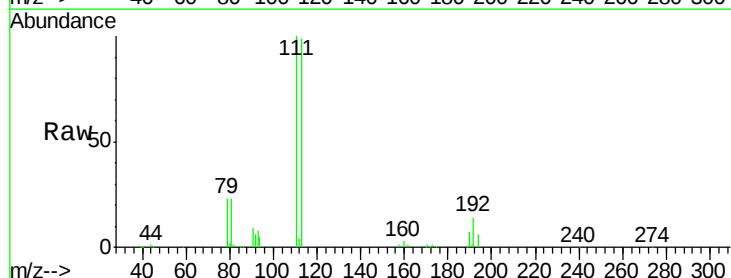


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

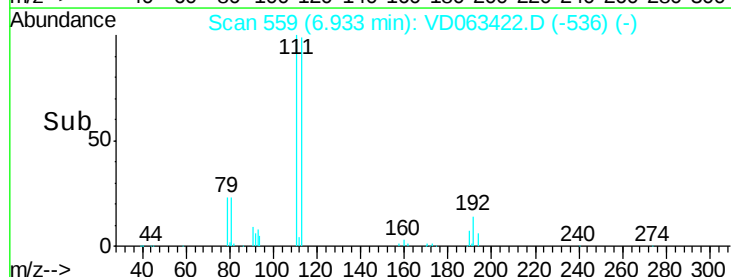
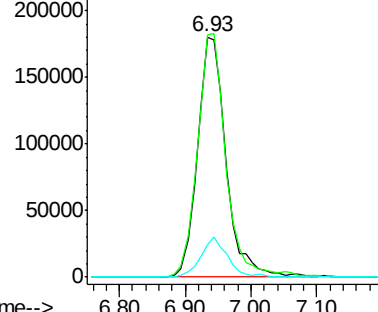


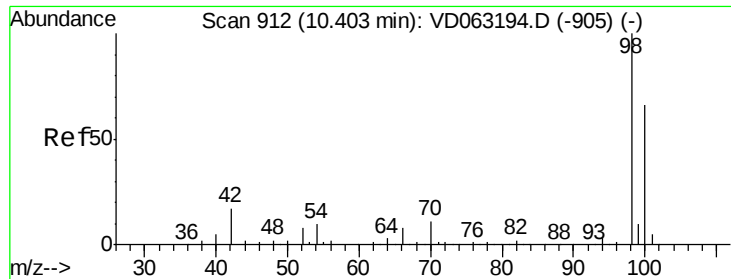
#35  
 Dibromofluoromethane  
 Concen: 53.564 ug/l  
 RT: 6.93 min Scan# 559  
 Delta R.T. 0.03 min  
 Lab File: VD063422.D  
 Acq: 7 Aug 2019 16:29

Tgt Ion:113 Resp: 545899  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 83.2 124.8  
 192 13.7 11.8 17.8



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

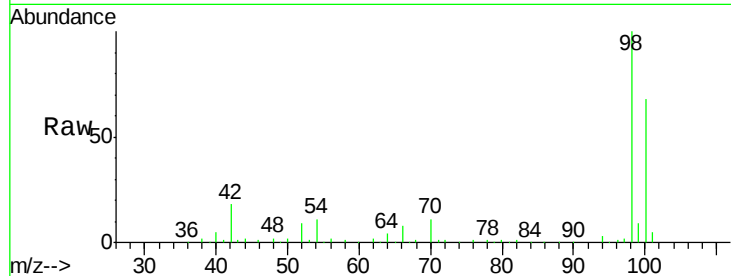




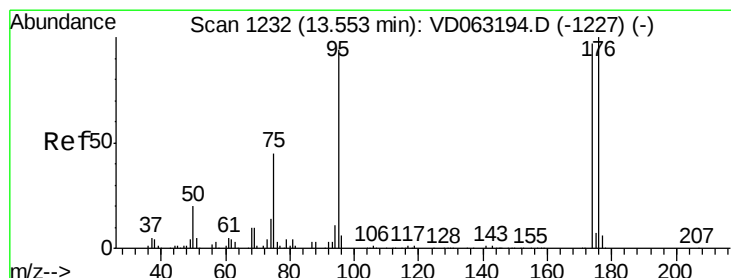
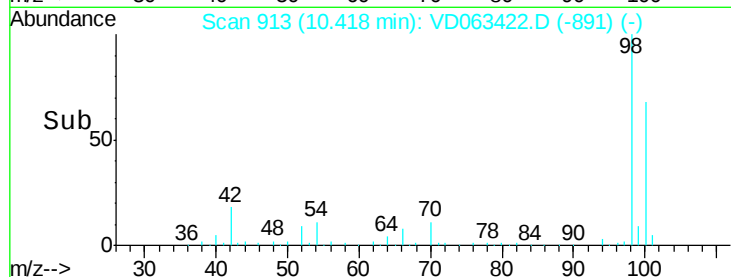
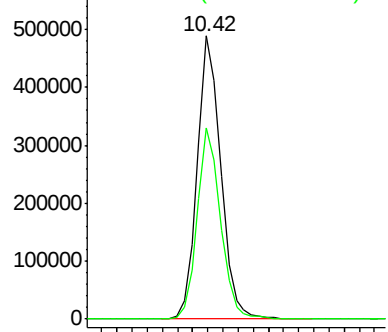
#50  
Toluene-d8  
Concen: 46.267 ug/l  
RT: 10.42 min Scan# 913  
Delta R.T. 0.02 min  
Lab File: VD063422.D  
Acq: 7 Aug 2019 16:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-02(0-2)RE

Tot Ion: 98 Resp: 1055282  
Ion Ratio Lower Upper  
98 100  
100 67.6 53.2 79.8

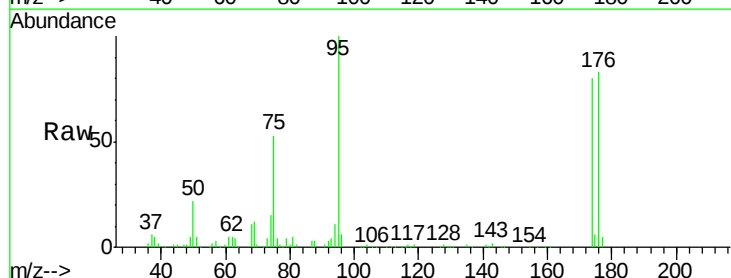


Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC

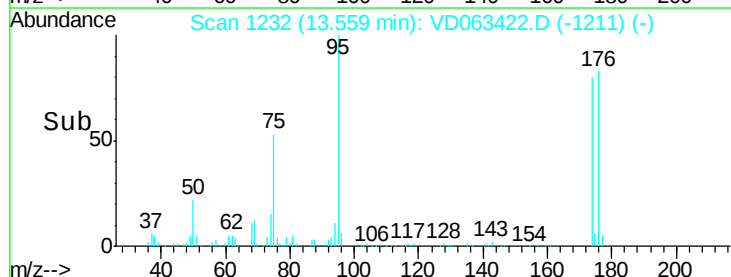
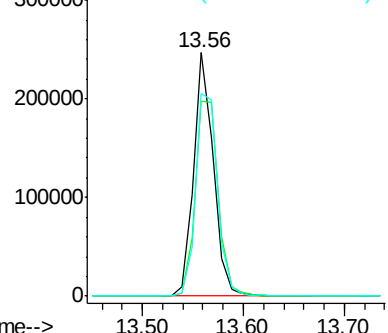


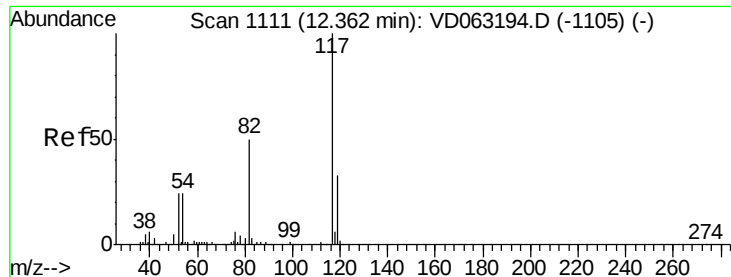
#62  
4-Bromofluorobenzene  
Concen: 32.570 ug/l  
RT: 13.56 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: VD063422.D  
Acq: 7 Aug 2019 16:29

Tgt Ion: 95 Resp: 338521  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 205.4  
176 83.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): VDC  
Ion 173.90 (173.60 to 174.60): VDC  
Ion 175.90 (175.60 to 176.60): VDC

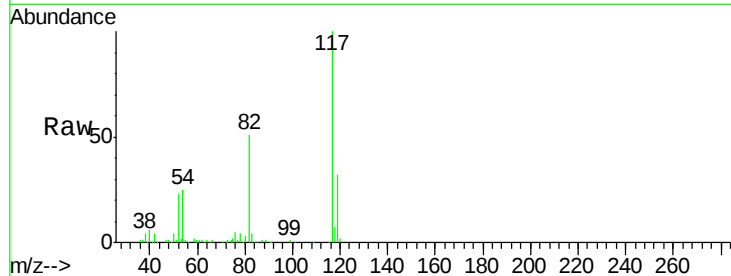




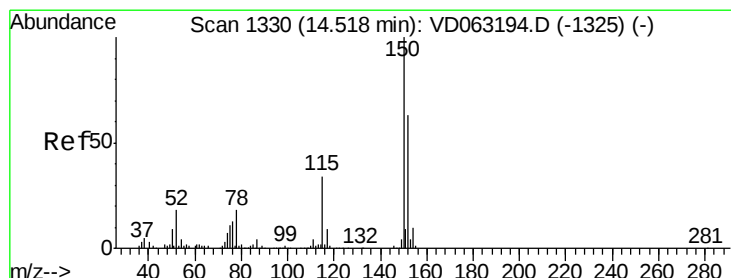
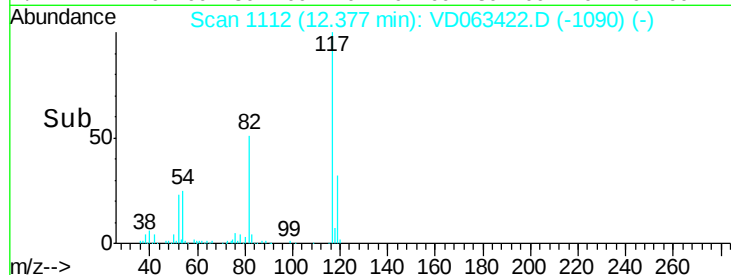
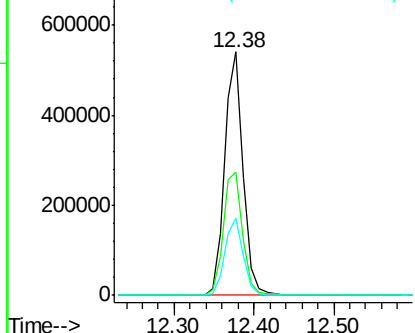
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1112  
Delta R.T. 0.02 min  
Lab File: VD063422.D  
Acq: 7 Aug 2019 16:29

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-02(0-2)RE

Tot Ion:117 Resp: 877507  
Ion Ratio Lower Upper  
117 100  
82 50.6 40.1 60.1  
119 31.6 26.5 39.7

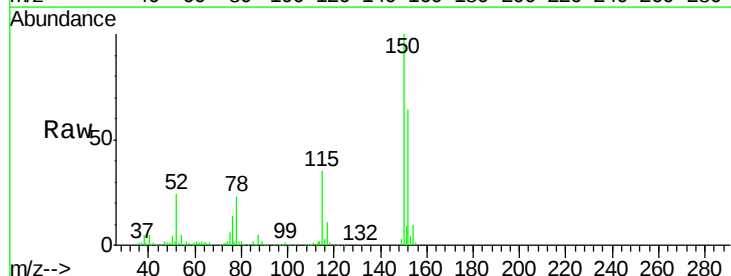


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: VD063422.D  
Acq: 7 Aug 2019 16:29

Tgt Ion:152 Resp: 316226  
Ion Ratio Lower Upper  
152 100  
115 54.1 27.5 82.4  
150 156.1 0.0 320.6



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

