

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\  
 Data File : VD061923.D  
 Acq On : 19 Apr 2019 21:40  
 Operator : VA/AP  
 Sample : K2199-13  
 Misc : 6.26g/5ml/MSVOA D/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-041819-A

Quant Time: Apr 20 00:09:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 18 13:49:04 2019  
 Response via : Initial Calibration

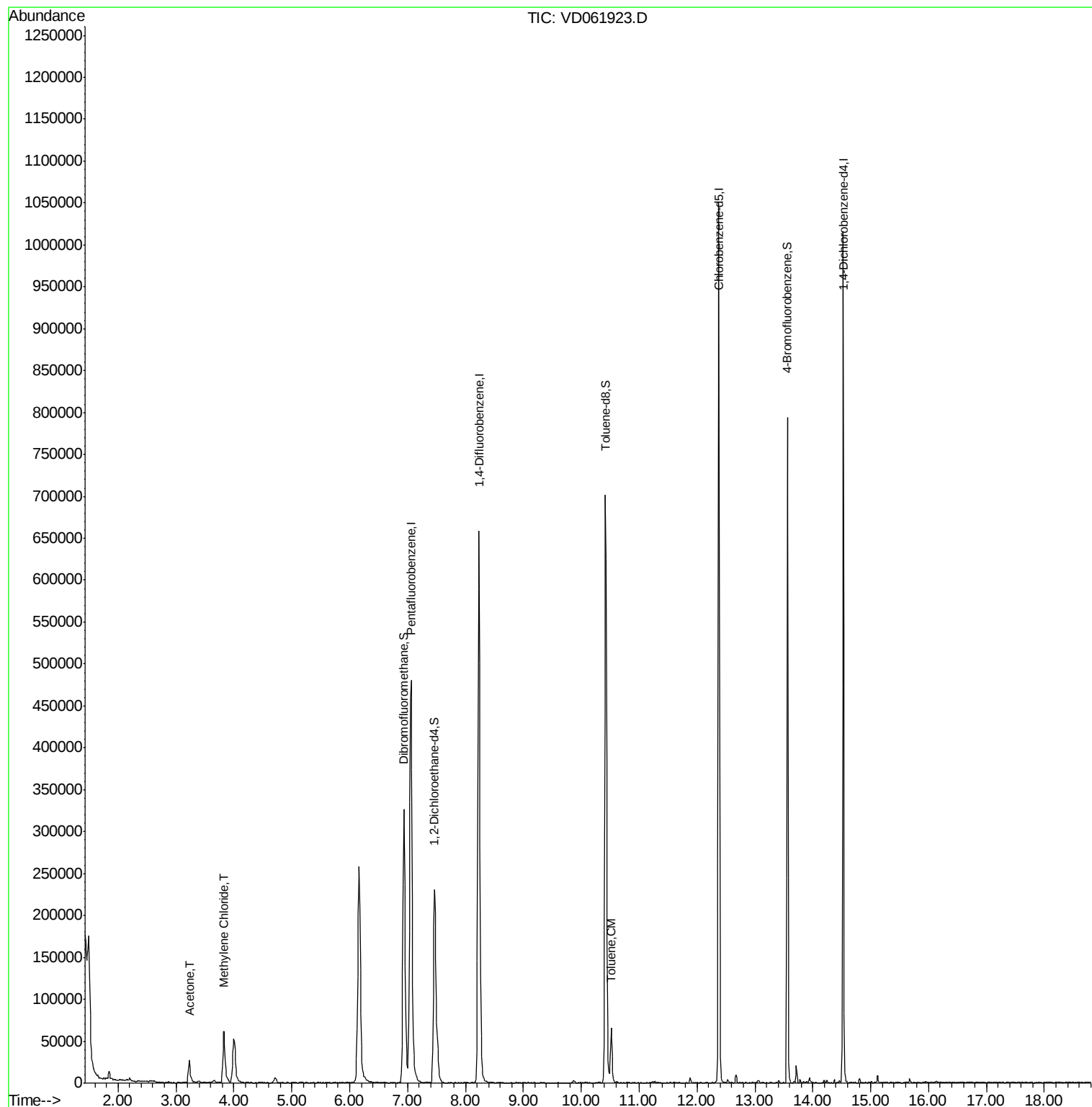
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 499266   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 795075   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 631865   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 225465   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 215011   | 51.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.76% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 312950   | 52.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.20% |          |
| 50) Toluene-d8              | 10.42 | 98   | 609954   | 42.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.72%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 257186   | 44.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.16%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.23  | 43   | 50132    | 48.612 | ug/l    | 95       |
| 20) Methylene Chloride      | 3.83  | 84   | 47729    | 5.201  | ug/l    | 97       |
| 52) Toluene                 | 10.52 | 92   | 35176    | 3.519  | ug/l    | 95       |

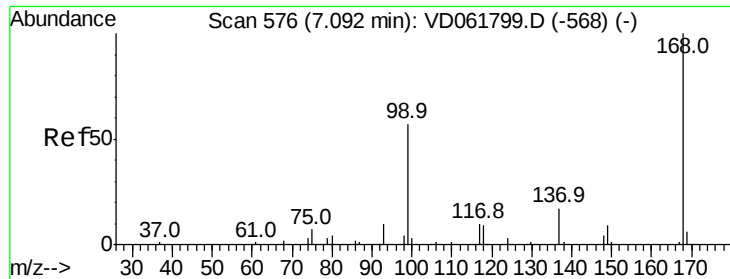
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\  
Data File : VD061923.D  
Acq On : 19 Apr 2019 21:40  
Operator : VA/AP  
Sample : K2199-13  
Misc : 6.26g/5ml/MSVOA D/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-041819-A

Quant Time: Apr 20 00:09:42 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 18 13:49:04 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061923.D

Acq: 19 Apr 2019 21:40

Instrument :

MSVOA\_D

ClientSampleId :

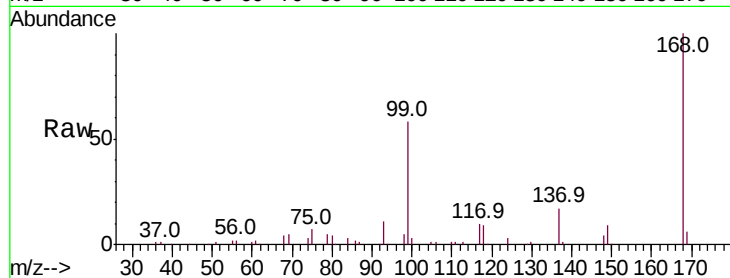
OR-03-041819-A

Tot Ion:168 Resp: 499266

Ion Ratio Lower Upper

168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

150000

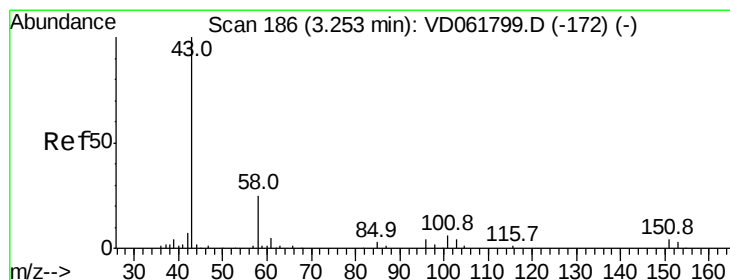
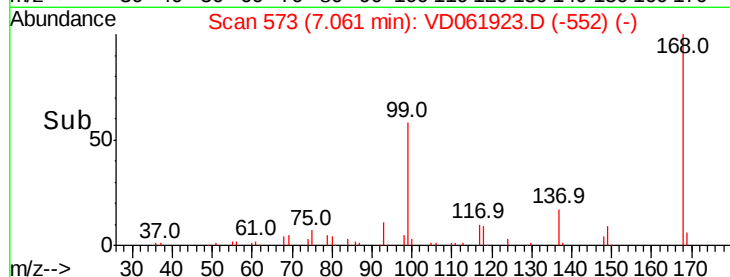
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 48.612 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD061923.D

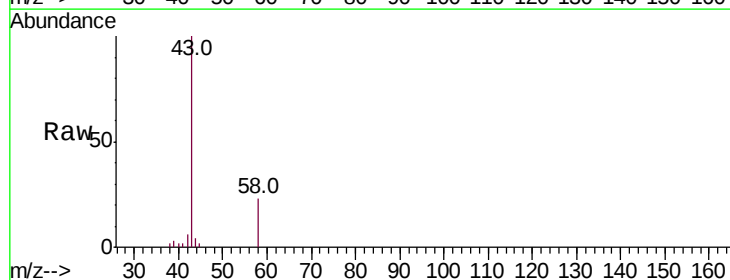
Acq: 19 Apr 2019 21:40

Tgt Ion: 43 Resp: 50132

Ion Ratio Lower Upper

43 100

58 22.6 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

20000

15000

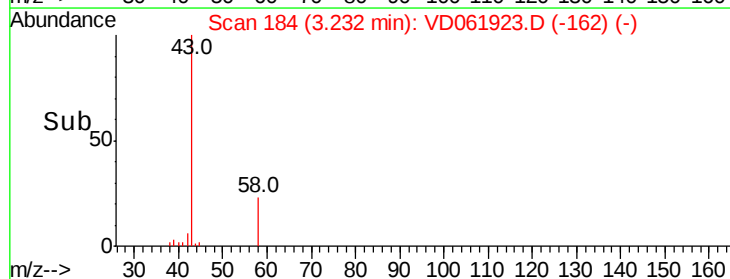
10000

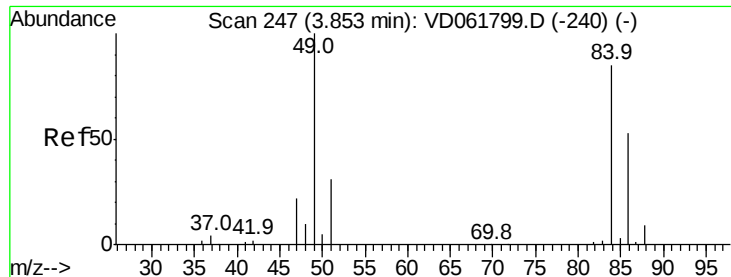
5000

0

Time-->

3.10 3.20 3.30 3.40

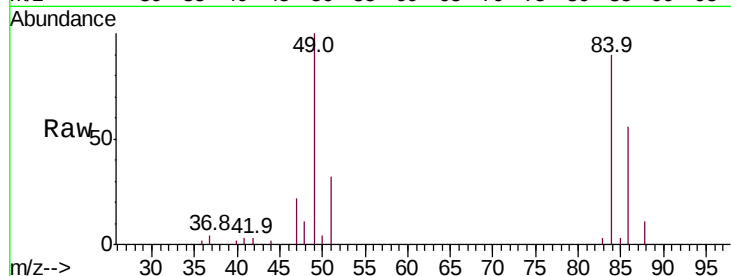




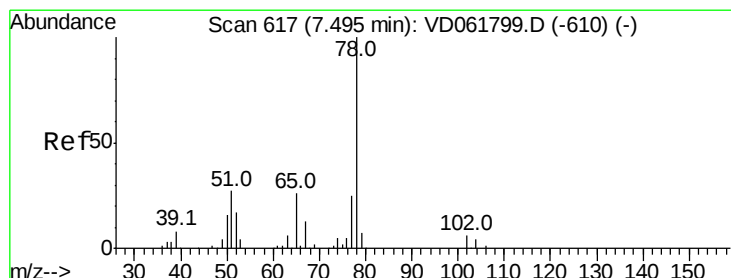
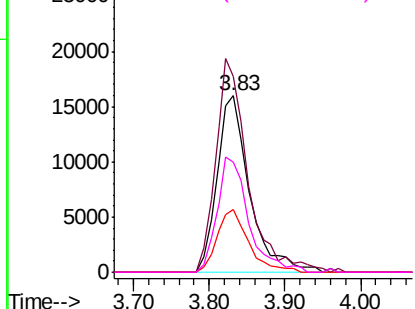
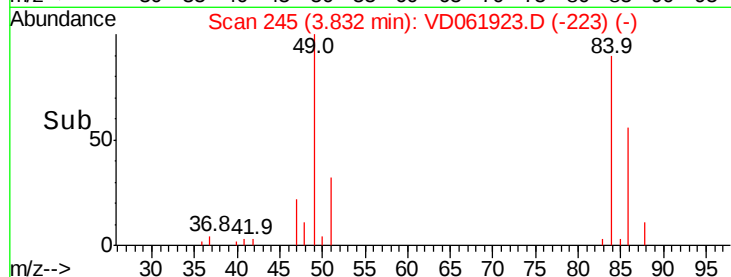
#20  
Methvlene Chloride  
Concen: 5.201 ug/l  
RT: 3.83 min Scan# 245  
Delta R.T. 0.02 min  
Lab File: VD061923.D  
Acq: 19 Apr 2019 21:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-041819-A

Tot Ion: 84 Resp: 47729  
Ion Ratio Lower Upper  
84 100  
49 111.4 94.0 141.0  
51 35.5 29.0 43.4  
86 62.3 49.8 74.6

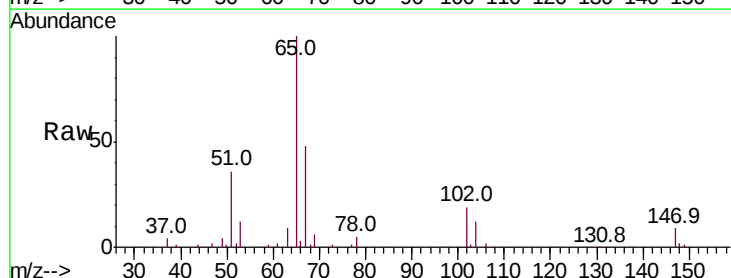


Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC

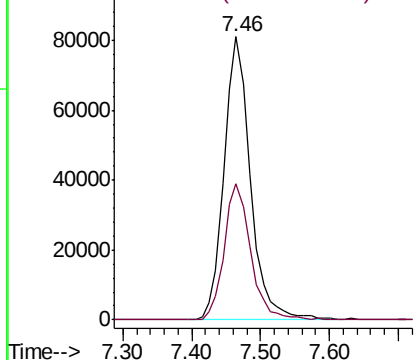
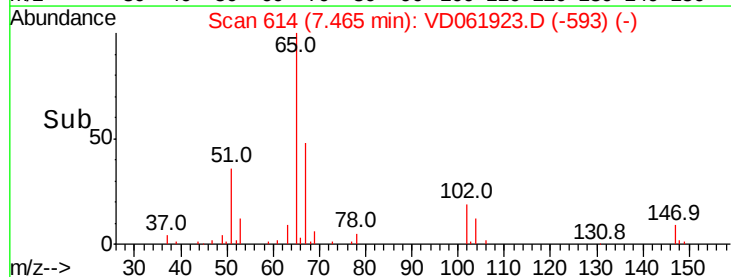


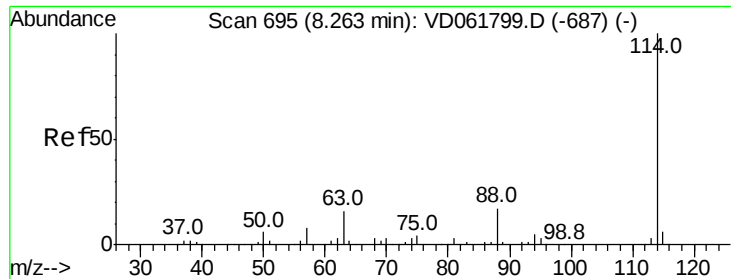
#33  
1,2-Dichloroethane-d4  
Concen: 51.385 ug/l  
RT: 7.46 min Scan# 614  
Delta R.T. 0.01 min  
Lab File: VD061923.D  
Acq: 19 Apr 2019 21:40

Tgt Ion: 65 Resp: 215011  
Ion Ratio Lower Upper  
65 100  
67 48.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC  
Ion 66.90 (66.60 to 67.60): VDC

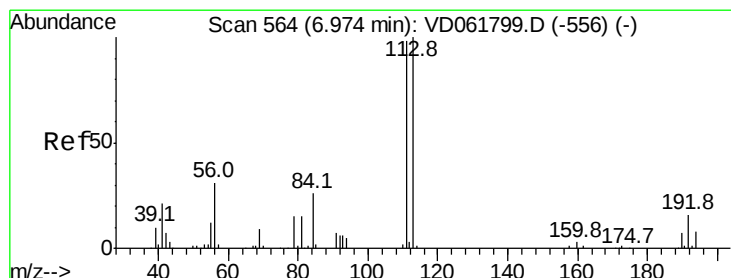
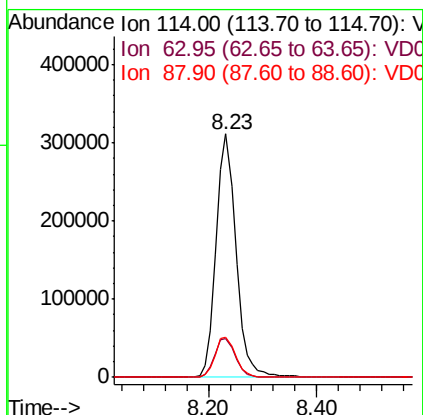
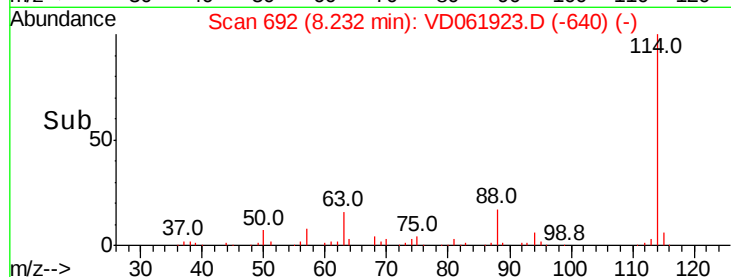
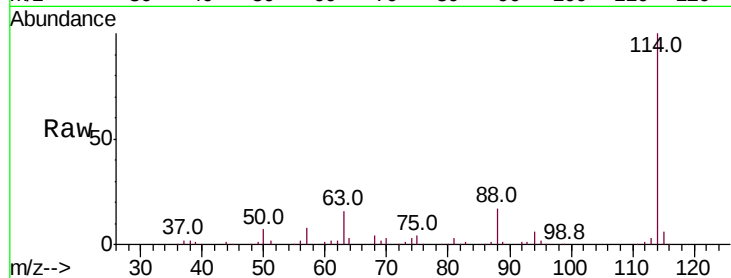




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 692  
 Delta R.T. 0.01 min  
 Lab File: VD061923.D  
 Acq: 19 Apr 2019 21:40

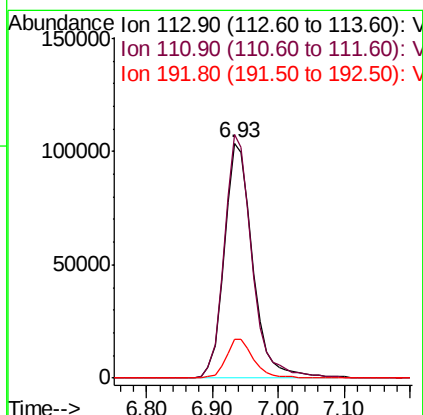
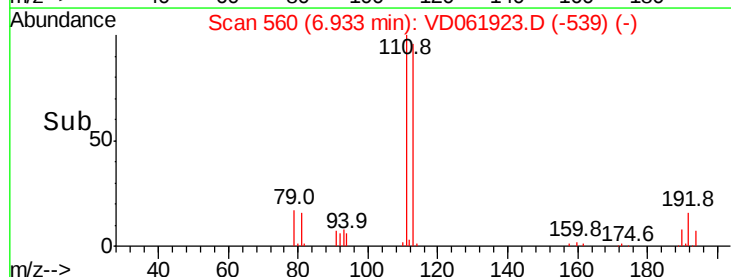
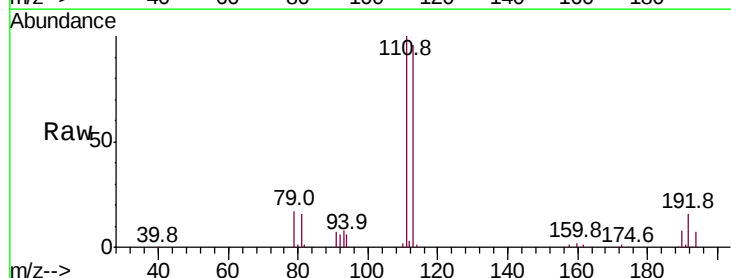
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-041819-A

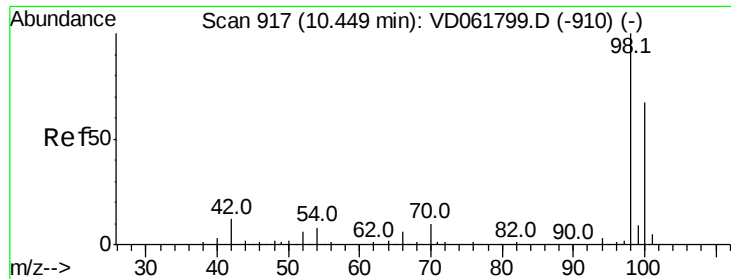
Tot Ion:114 Resp: 795075  
 Ion Ratio Lower Upper  
 114 100  
 63 15.9 0.0 32.4  
 88 16.5 0.0 33.6



#35  
 Dibromofluoromethane  
 Concen: 52.099 ug/l  
 RT: 6.93 min Scan# 560  
 Delta R.T. 0.01 min  
 Lab File: VD061923.D  
 Acq: 19 Apr 2019 21:40

Tgt Ion:113 Resp: 312950  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 78.5 117.7  
 192 16.4 13.0 19.4

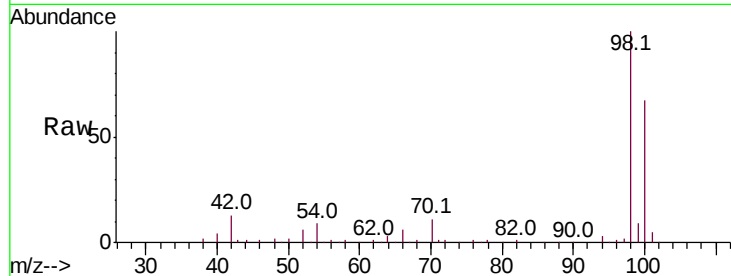




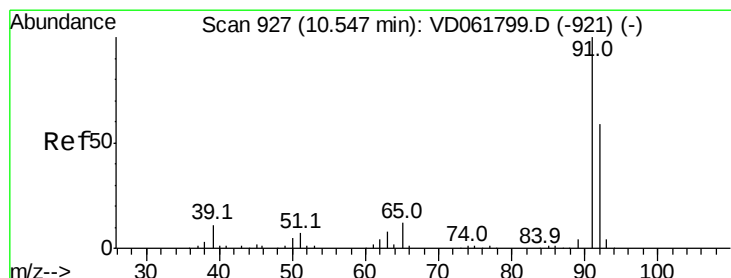
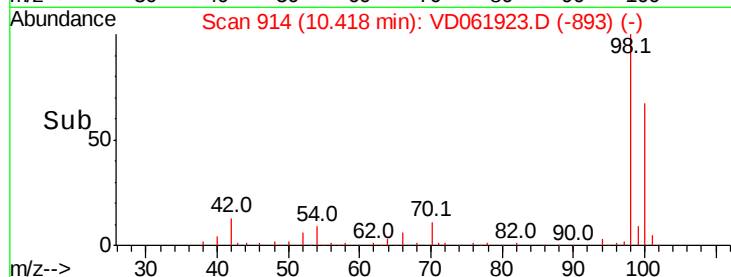
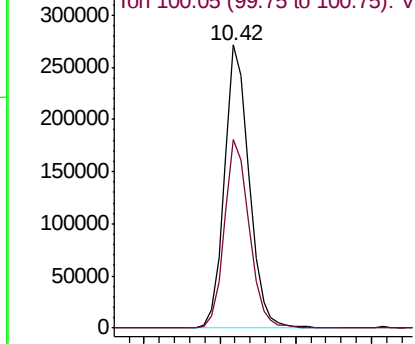
#50  
Toluene-d8  
Concen: 42.856 ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.01 min  
Lab File: VD061923.D  
Acq: 19 Apr 2019 21:40

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-03-041819-A

Tot Ion: 98 Resp: 609954  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.8 80.8

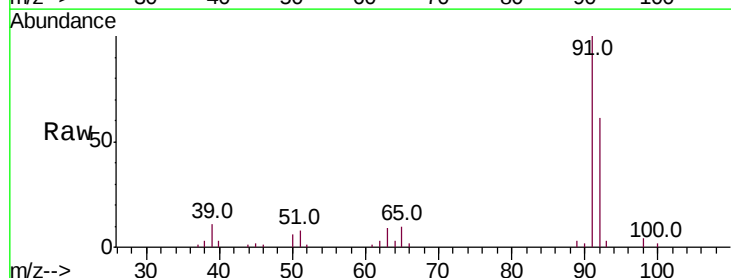


Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC

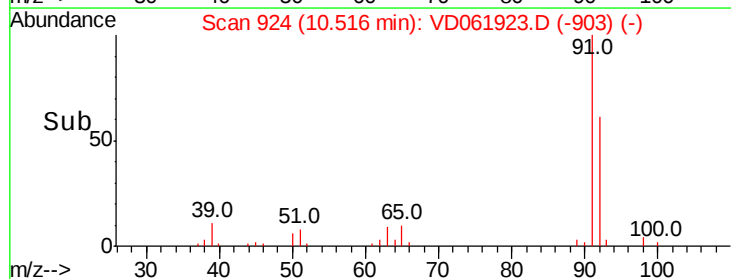
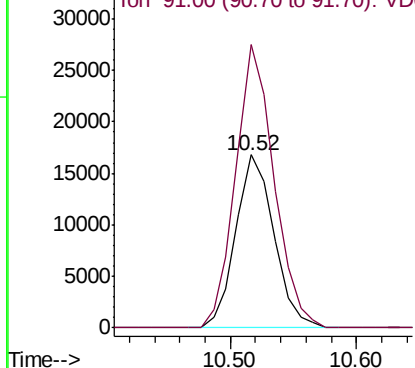


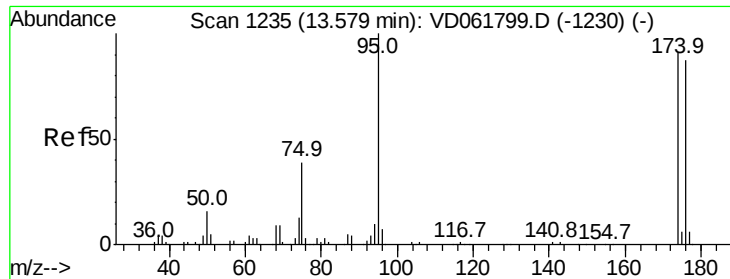
#52  
Toluene  
Concen: 3.519 ug/l  
RT: 10.52 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: VD061923.D  
Acq: 19 Apr 2019 21:40

Tgt Ion: 92 Resp: 35176  
Ion Ratio Lower Upper  
92 100  
91 163.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC  
Ion 91.00 (90.70 to 91.70): VDC

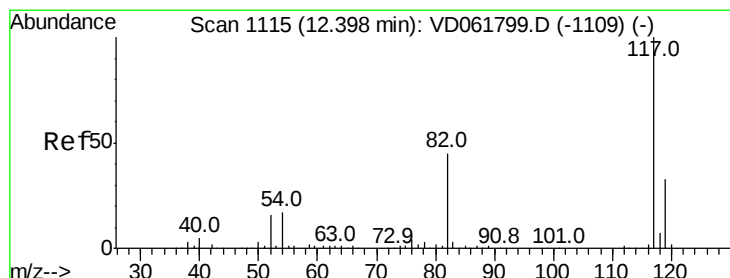
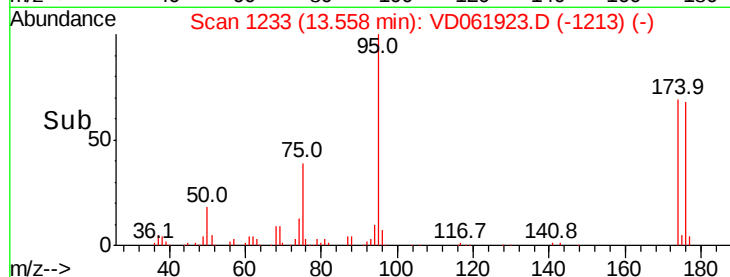
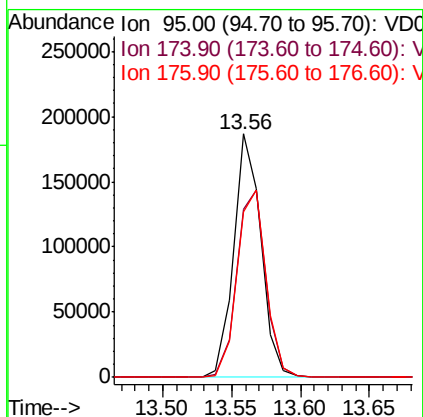
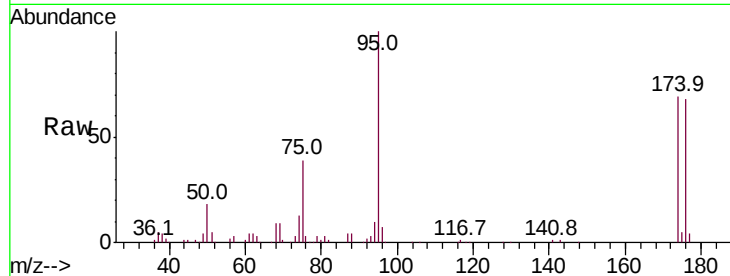




#62  
 4-Bromofluorobenzene  
 Concen: 44.583 ug/l  
 RT: 13.56 min Scan# 1233  
 Delta R.T. -0.00 min  
 Lab File: VD061923.D  
 Acq: 19 Apr 2019 21:40

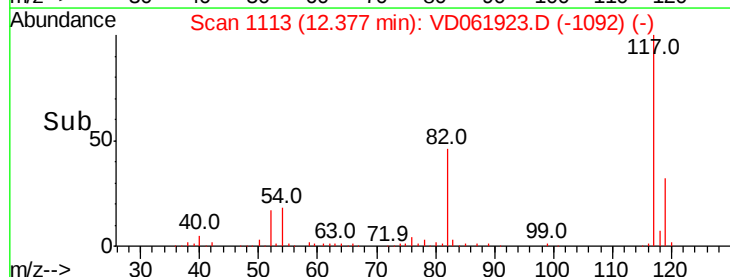
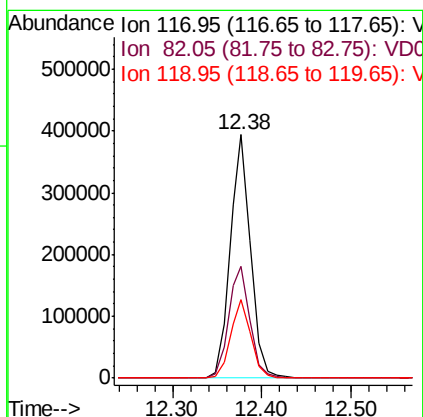
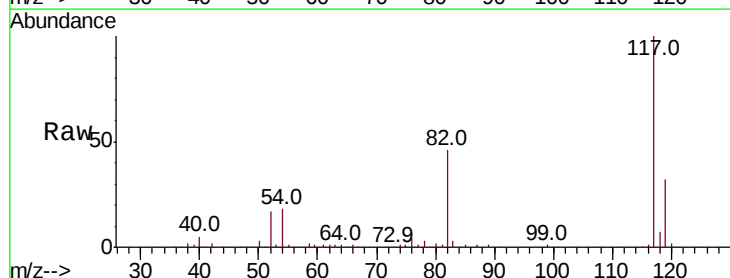
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-041819-A

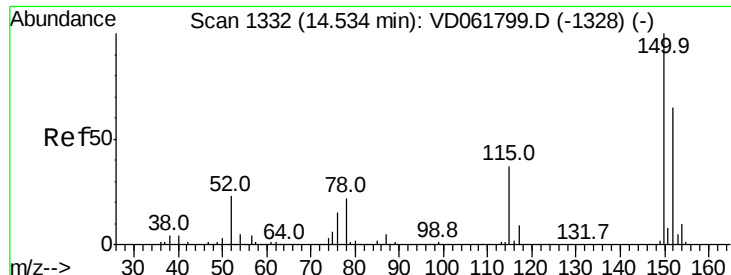
Tot Ion: 95 Resp: 257186  
 Ion Ratio Lower Upper  
 95 100  
 174 69.1 0.0 181.8  
 176 68.0 0.0 174.4



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 12.38 min Scan# 1113  
 Delta R.T. 0.01 min  
 Lab File: VD061923.D  
 Acq: 19 Apr 2019 21:40

Tgt Ion: 117 Resp: 631865  
 Ion Ratio Lower Upper  
 117 100  
 82 45.8 36.2 54.2  
 119 32.0 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1331  
 Delta R.T. -0.00 min  
 Lab File: VD061923.D  
 Acq: 19 Apr 2019 21:40

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-03-041819-A

Tot Ion:152 Resp: 225465  
 Ion Ratio Lower Upper  
 152 100  
 115 59.6 30.9 92.7  
 150 161.6 0.0 314.8

