

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
 Data File : VD062861.D  
 Acq On : 25 Jun 2019 3:26  
 Operator : VA/AP  
 Sample : K3511-01  
 Misc : 5.95g/5ml/MSVOA D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 COMP-1

Quant Time: Jun 25 06:41:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

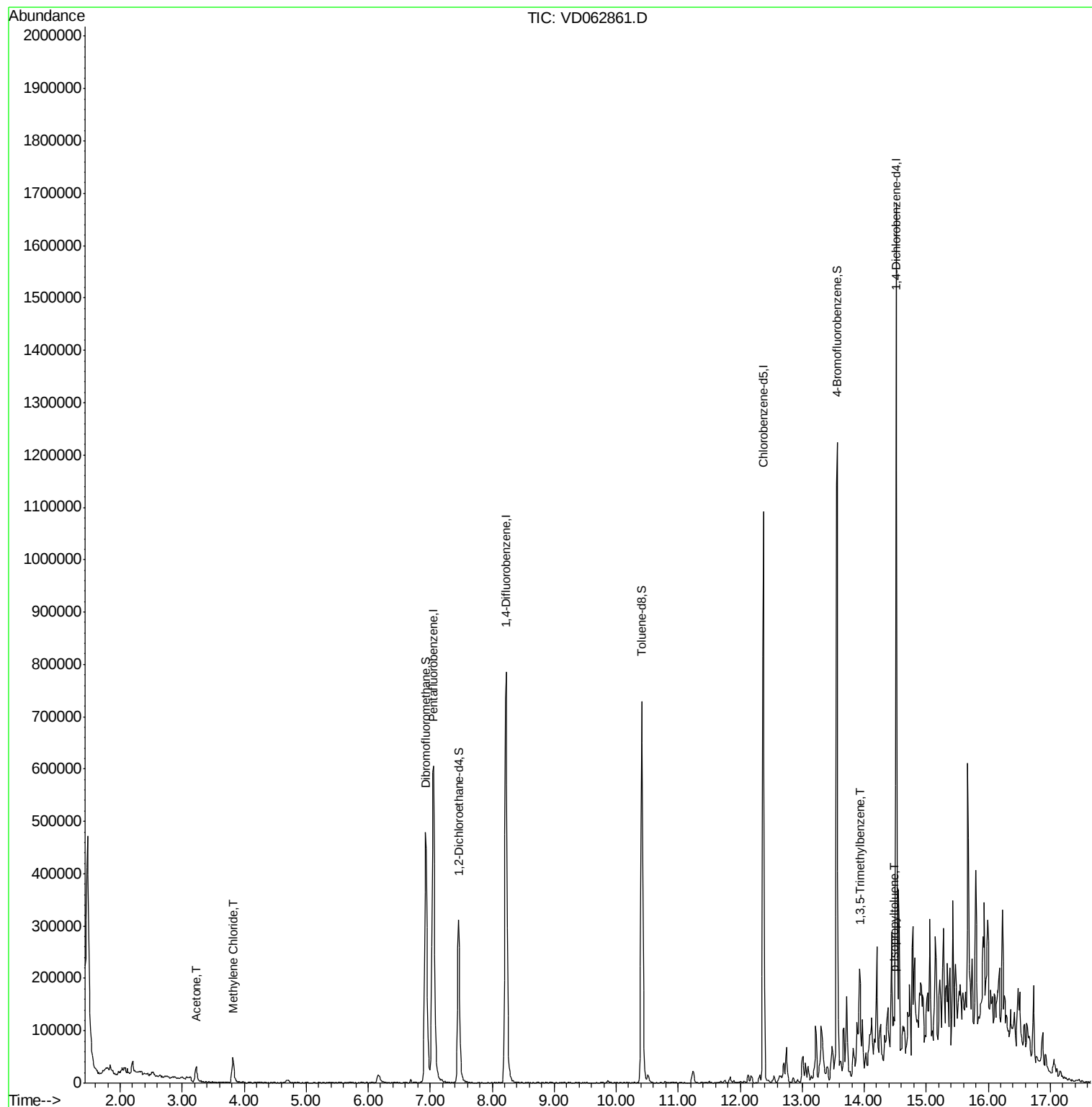
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 598882   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 861739   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 581355   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 342703   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 338490   | 52.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.00% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 423211   | 58.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.48% |          |
| 50) Toluene-d8              | 10.41 | 98   | 604024   | 38.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.38%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 341721   | 47.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.04%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.23  | 43   | 56814    | 37.079 | ug/l    | 96       |
| 20) Methylene Chloride      | 3.82  | 84   | 26537    | 5.345  | ug/l    | 84       |
| 80) 1,3,5-Trimethylbenzene  | 13.94 | 105  | 50812    | 2.753  | ug/l    | 92       |
| 86) p-Isopropyltoluene      | 14.49 | 119  | 23475    | 1.148  | ug/l    | 93       |

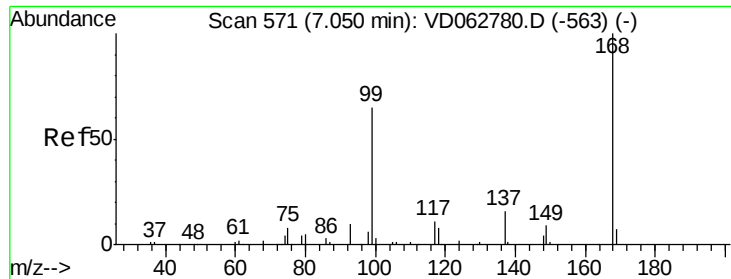
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
Data File : VD062861.D  
Acq On : 25 Jun 2019 3:26  
Operator : VA/AP  
Sample : K3511-01  
Misc : 5.95a/5ml/MSVOA D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1

Quant Time: Jun 25 06:41:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 01:50:56 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD062861.D

Acq: 25 Jun 2019 3:26

Instrument :

MSVOA\_D

ClientSampleId :

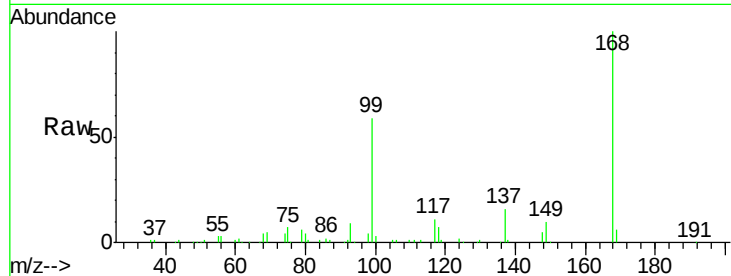
COMP-1

Tot Ion:168 Resp: 598882

Ion Ratio Lower Upper

168 100

99 59.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

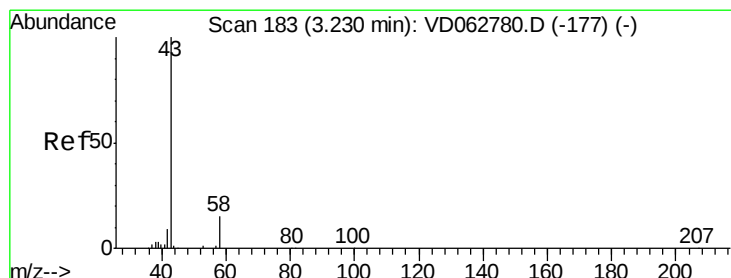
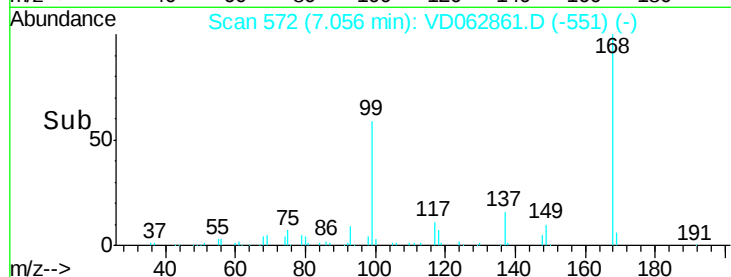
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 37.079 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062861.D

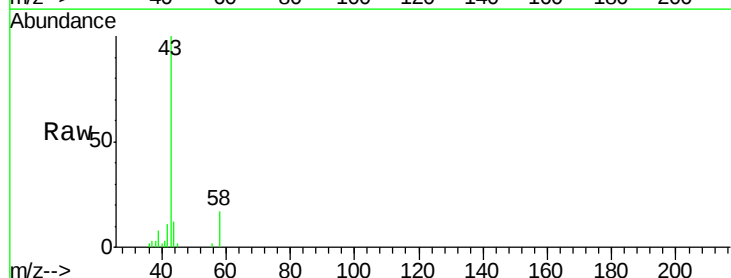
Acq: 25 Jun 2019 3:26

Tgt Ion: 43 Resp: 56814

Ion Ratio Lower Upper

43 100

58 16.5 11.9 17.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

20000

15000

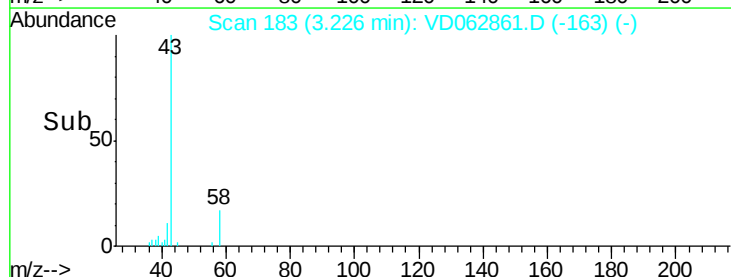
10000

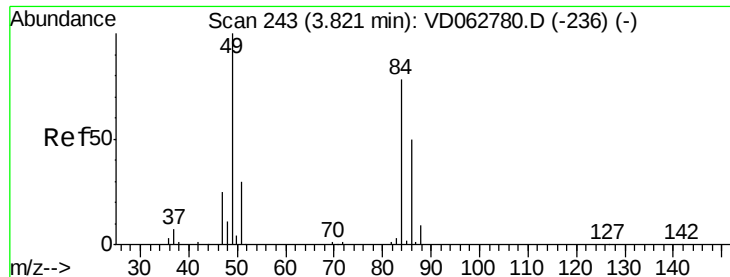
5000

0

Time-->

3.10 3.20 3.30 3.40

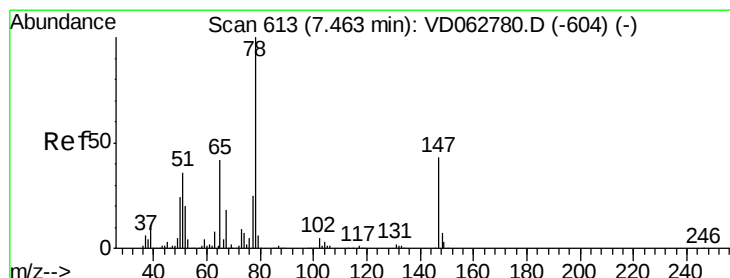
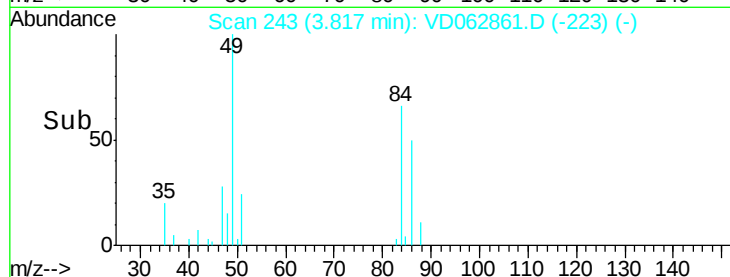
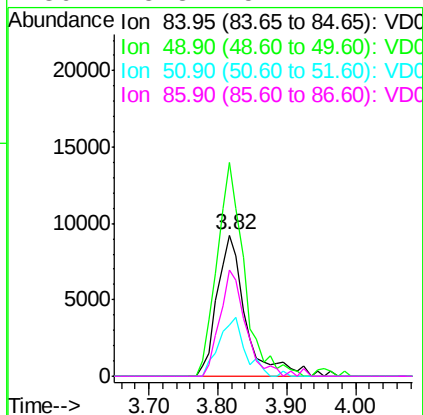
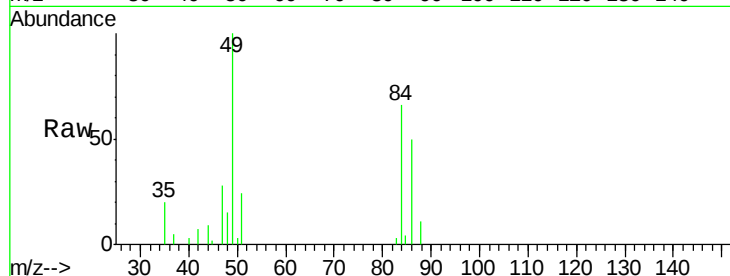




#20  
Methylene Chloride  
Concen: 5.345 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

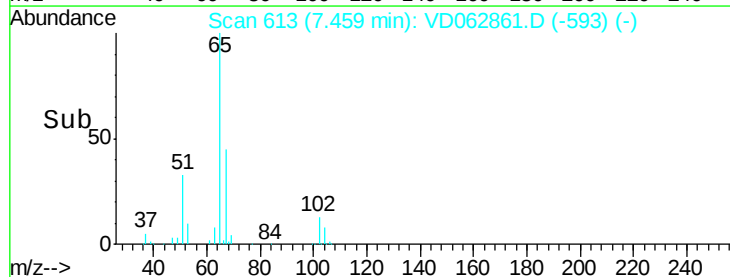
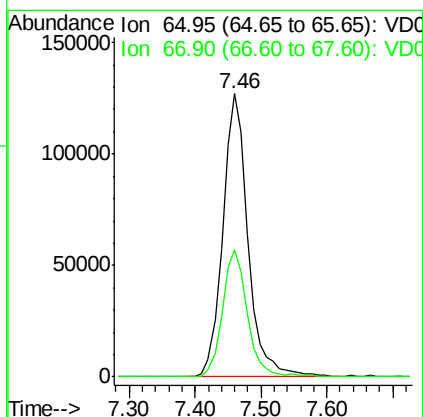
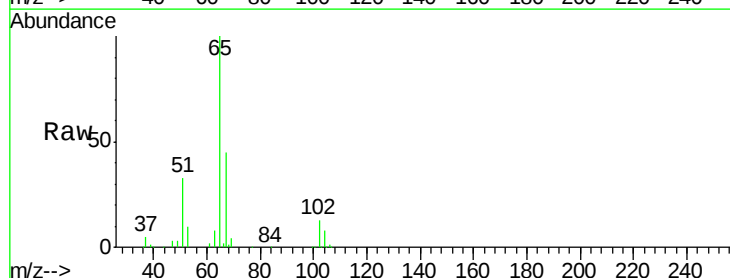
Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1

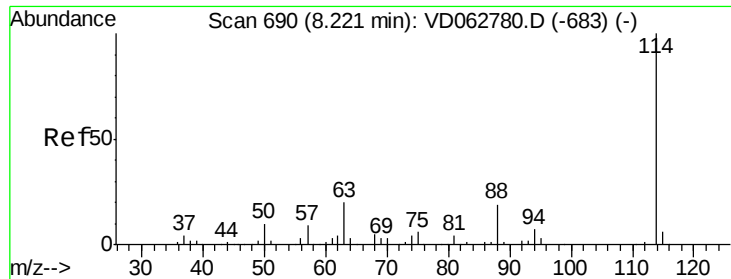
Tot Ion: 84 Resp: 26537  
Ion Ratio Lower Upper  
84 100  
49 151.5 102.9 154.3  
51 36.4 31.2 46.8  
86 75.3 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 51.997 ug/l  
RT: 7.46 min Scan# 613  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Tgt Ion: 65 Resp: 338490  
Ion Ratio Lower Upper  
65 100  
67 45.2 0.0 87.4

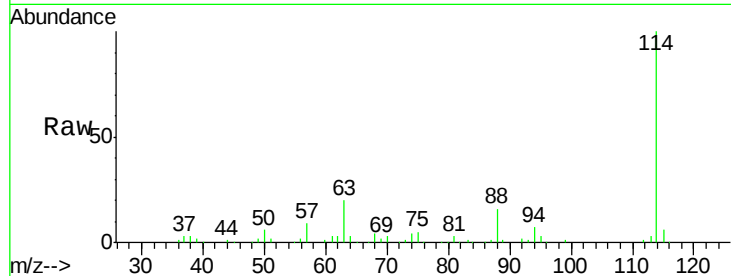




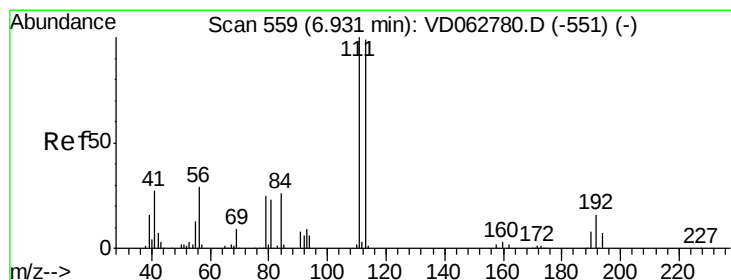
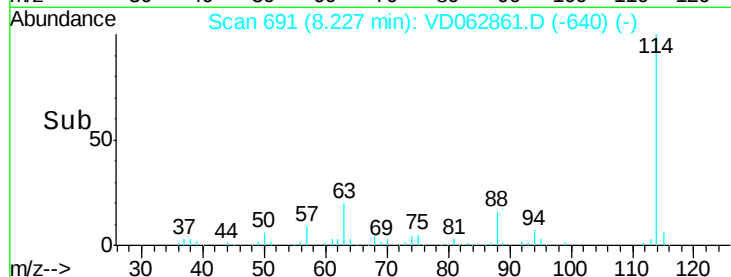
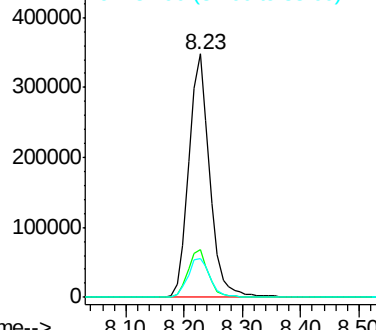
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.23 min Scan# 691  
Delta R.T. 0.01 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1

Tot Ion:114 Resp: 861739  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 40.0  
88 16.0 0.0 38.8

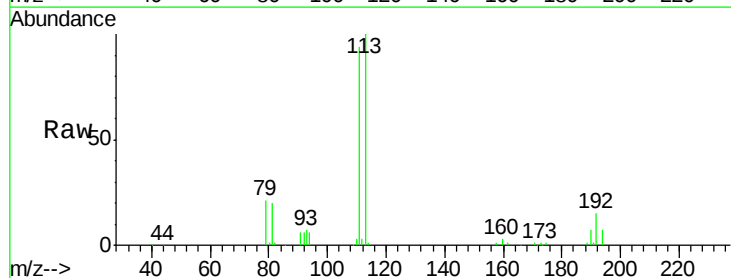


Abundance Ion 114.00 (113.70 to 114.70): V  
Ion 62.95 (62.65 to 63.65): V  
Ion 87.90 (87.60 to 88.60): V

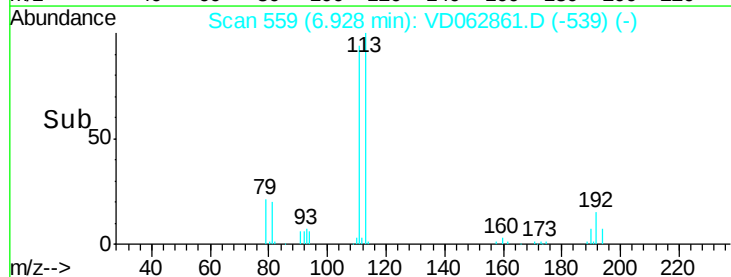
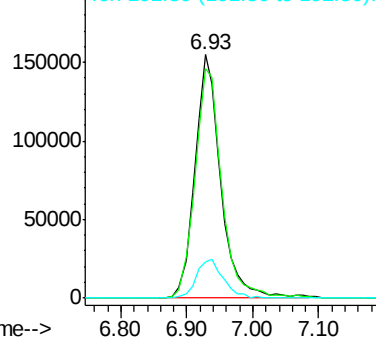


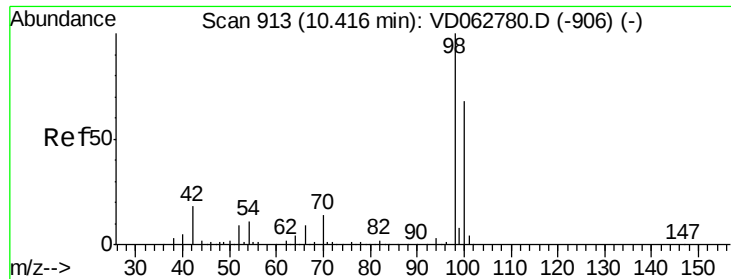
#35  
Dibromofluoromethane  
Concen: 58.244 ug/l  
RT: 6.93 min Scan# 559  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Tgt Ion:113 Resp: 423211  
Ion Ratio Lower Upper  
113 100  
111 94.1 81.2 121.8  
192 15.0 12.9 19.3



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

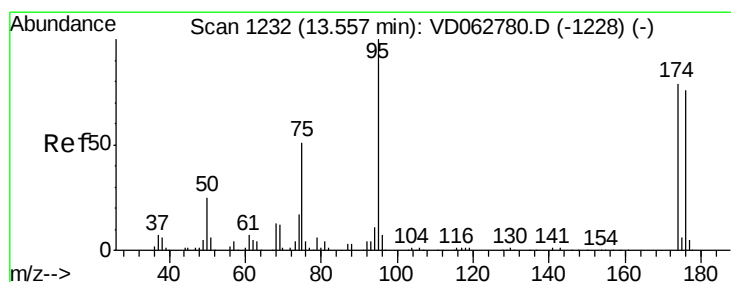
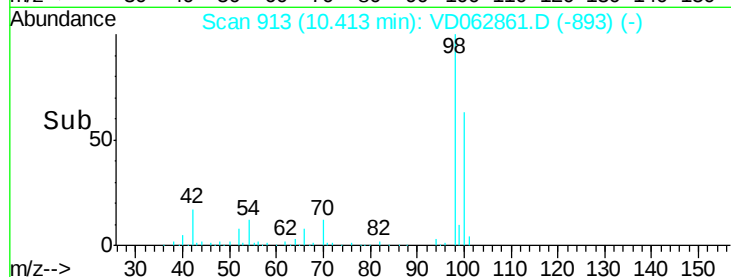
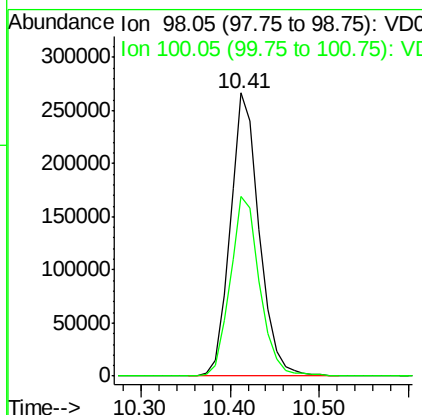
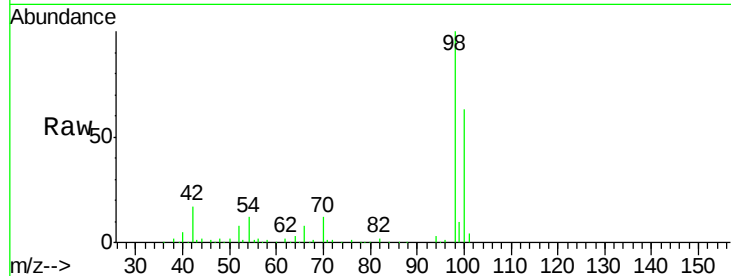




#50  
Toluene-d8  
Concen: 38.194 ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

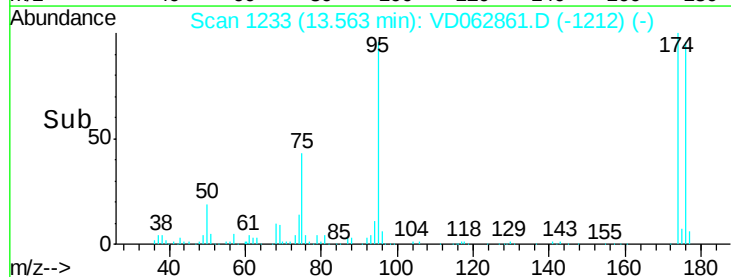
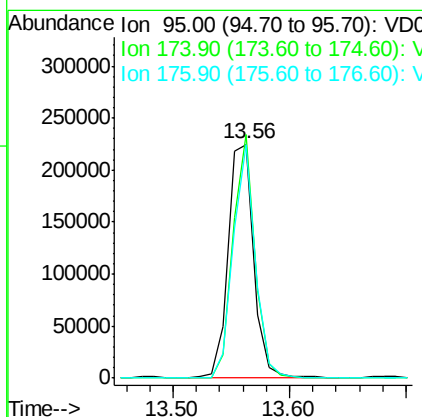
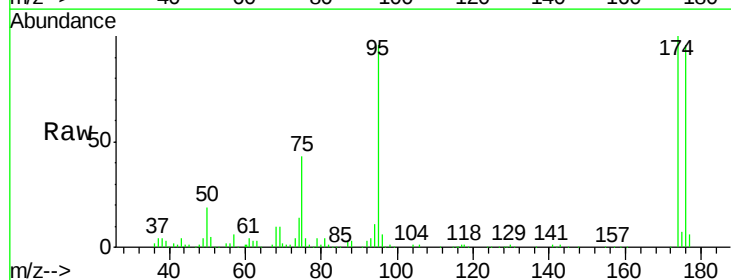
Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1

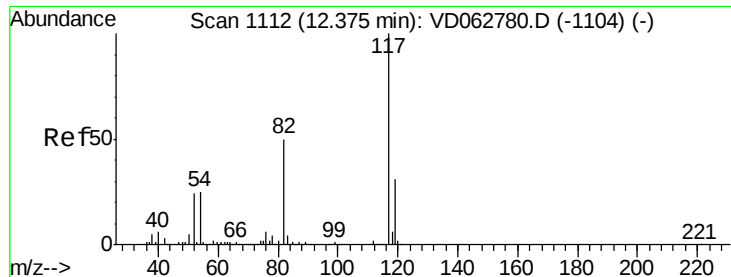
Tot Ion: 98 Resp: 604024  
Ion Ratio Lower Upper  
98 100  
100 63.3 54.7 82.1



#62  
4-Bromofluorobenzene  
Concen: 47.521 ug/l  
RT: 13.56 min Scan# 1233  
Delta R.T. 0.01 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Tgt Ion: 95 Resp: 341721  
Ion Ratio Lower Upper  
95 100  
174 104.2 0.0 158.0  
176 99.7 0.0 151.6

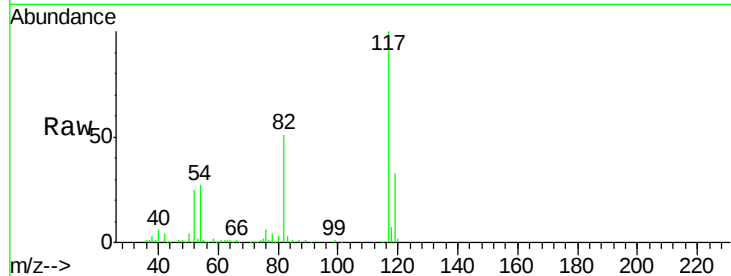




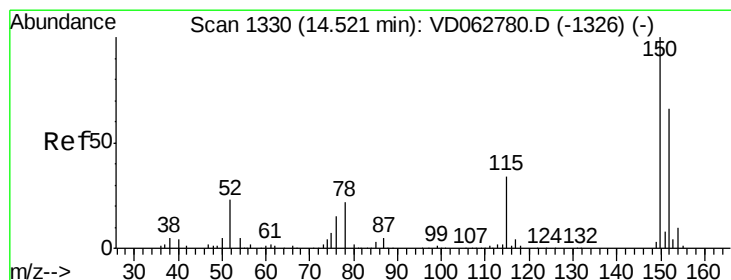
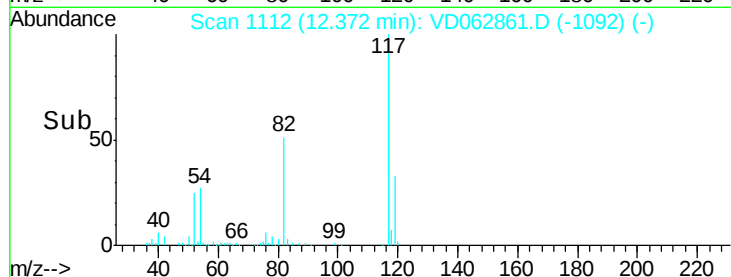
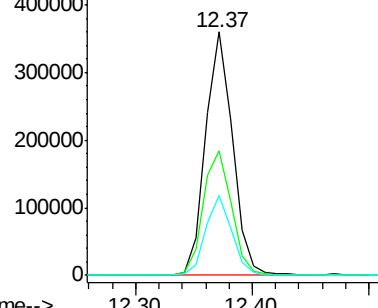
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Instrument :  
MSVOA\_D  
ClientSampleId :  
COMP-1

Tot Ion:117 Resp: 581355  
Ion Ratio Lower Upper  
117 100  
82 50.9 40.4 60.6  
119 32.5 25.2 37.8

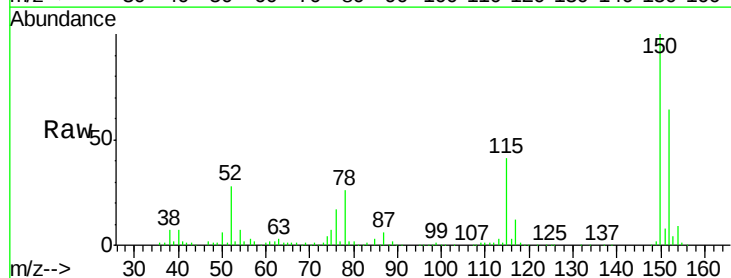


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

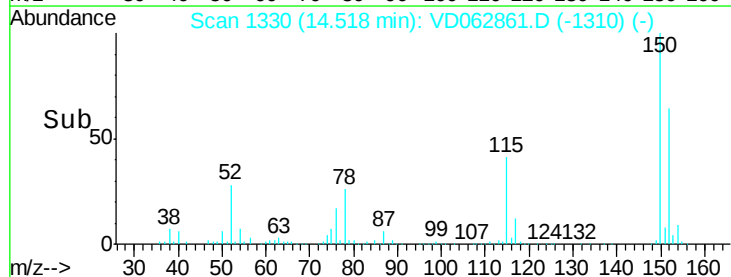
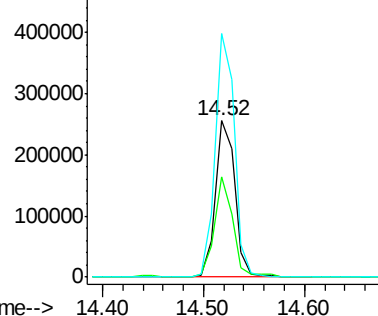


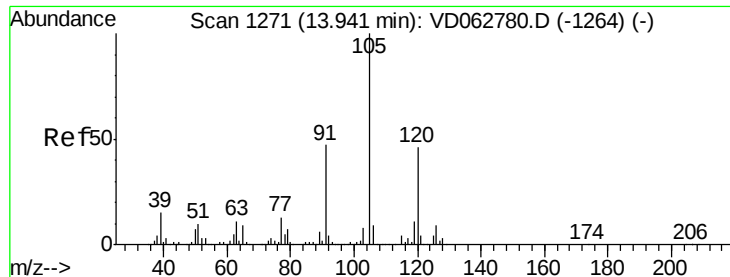
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. -0.00 min  
Lab File: VD062861.D  
Acq: 25 Jun 2019 3:26

Tgt Ion:152 Resp: 342703  
Ion Ratio Lower Upper  
152 100  
115 64.3 29.2 87.6  
150 155.9 0.0 305.8



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





#80

1,3,5-Trimethylbenzene

Concen: 2.753 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062861.D

Acq: 25 Jun 2019 3:26

Instrument :

MSVOA\_D

ClientSampled :

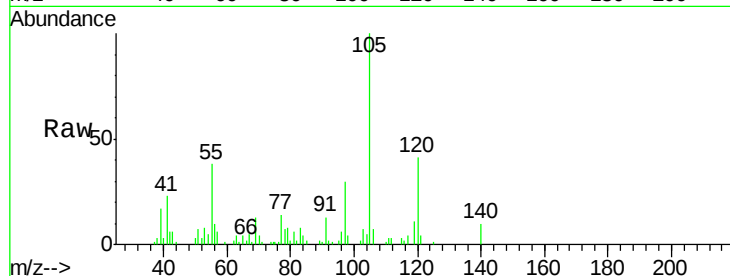
COMP-1

Tot Ion:105 Resp: 50812

Ion Ratio Lower Upper

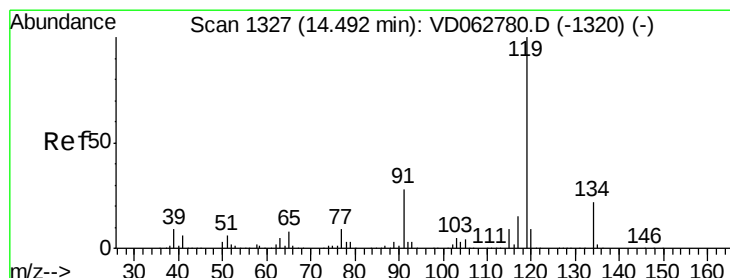
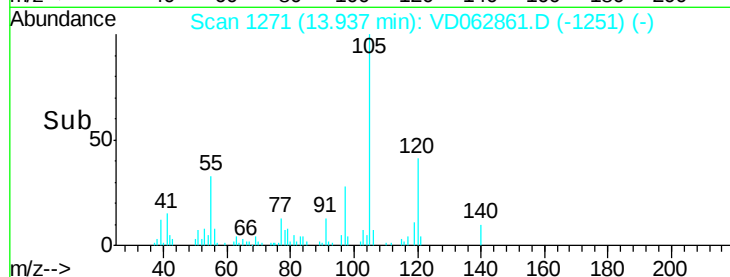
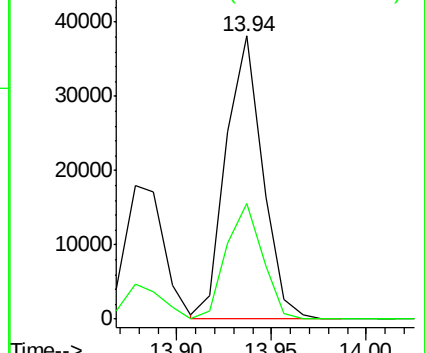
105 100

120 40.9 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#86

p-Isopropyltoluene

Concen: 1.148 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD062861.D

Acq: 25 Jun 2019 3:26

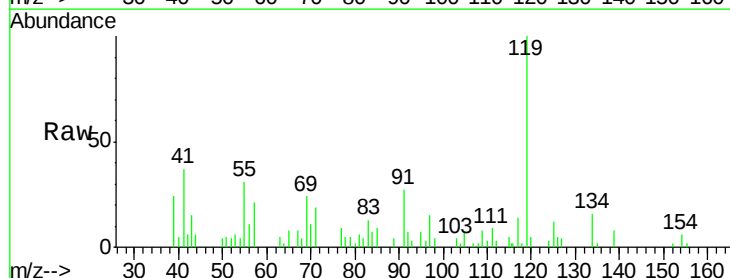
Tgt Ion:119 Resp: 23475

Ion Ratio Lower Upper

119 100

134 15.7 11.1 33.1

91 26.9 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

