

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
 Data File : VD062835.D  
 Acq On : 24 Jun 2019 12:54  
 Operator : VA/AP  
 Sample : K3482-01  
 Misc : 6.19g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1

Quant Time: Jun 25 05:18:28 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

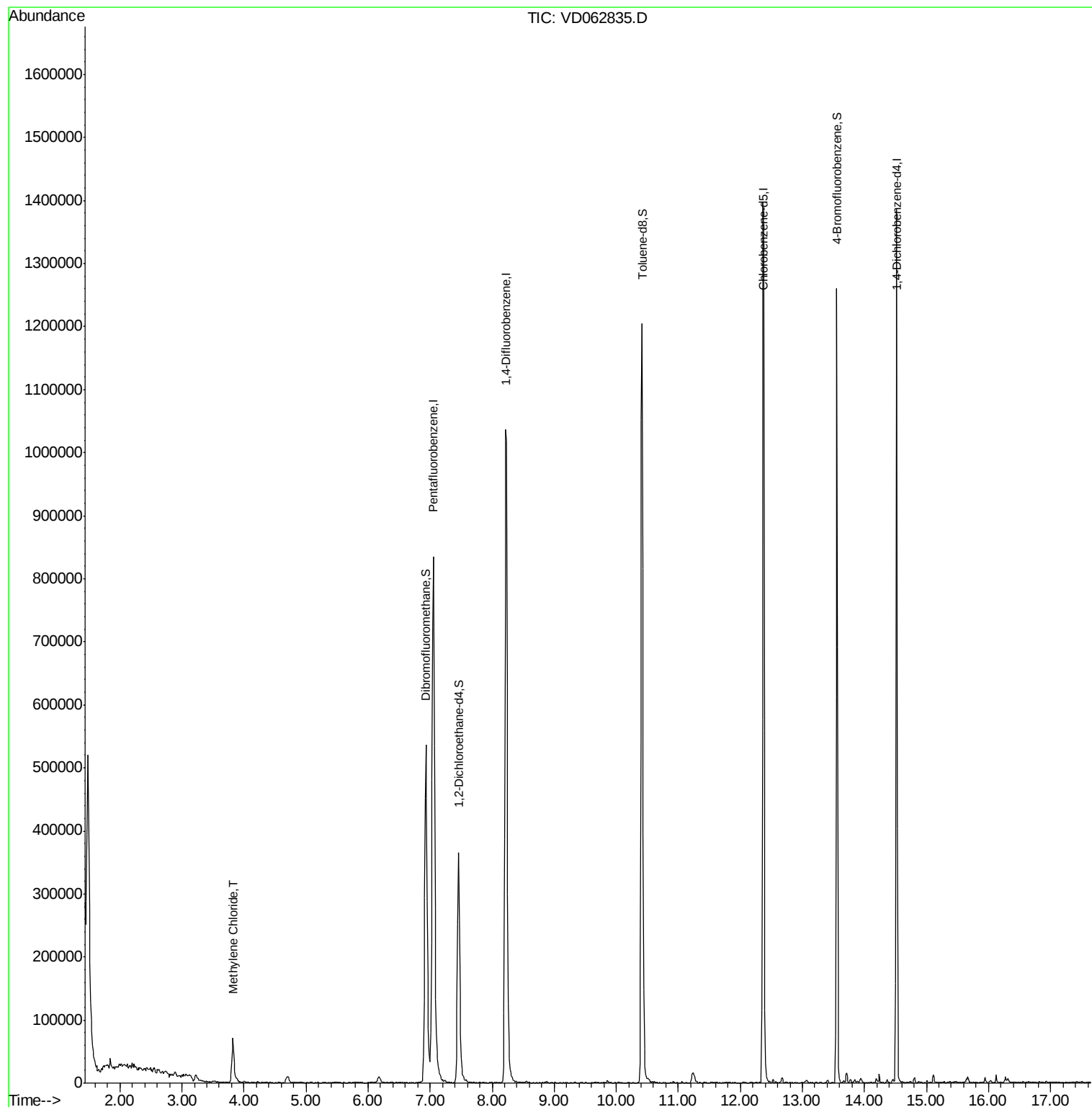
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 845136   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 1151959  | 50.00 | ug/l   | 0.01      |
| 63) Chlorobenzene-d5        | 12.38 | 117  | 800724   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 302181   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 433190   | 47.16 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.32% |           |
| 35) Dibromofluoromethane    | 6.93  | 113  | 465205   | 47.89 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.78% |           |
| 50) Toluene-d8              | 10.42 | 98   | 958199   | 45.33 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.66% |           |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 327722   | 34.09 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 68.18% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 3.82  | 84   | 40298    | 5.752 | ug/l # | Qvalue 95 |

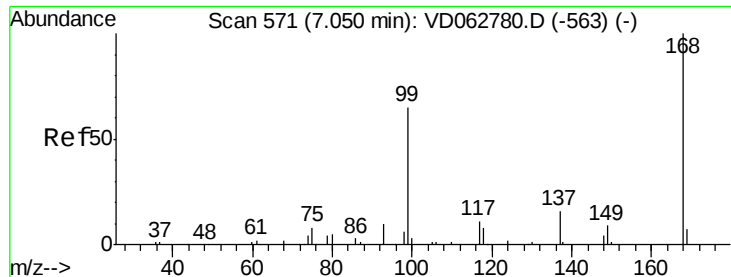
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\  
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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: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD062835.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA\_D

ClientSampleId :

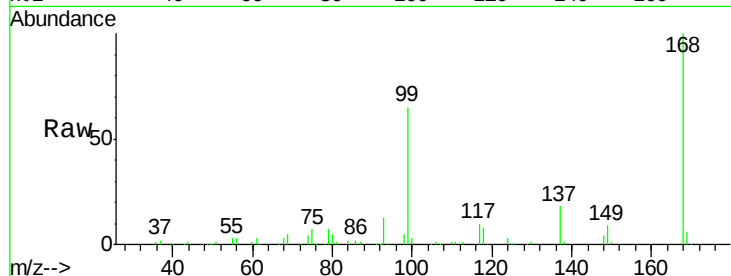
TP-1

Tot Ion:168 Resp: 845136

Ion Ratio Lower Upper

168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

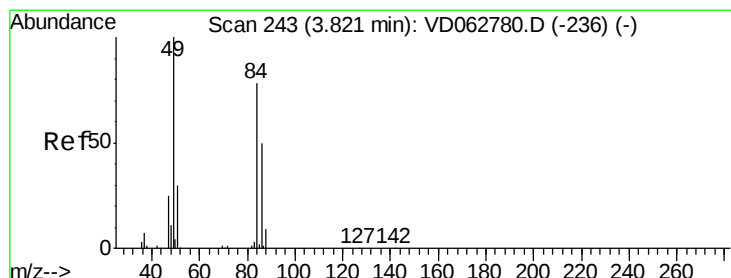
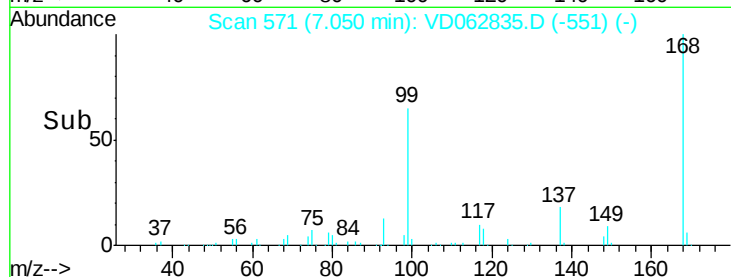
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#20

Methylene Chloride

Concen: 5.752 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.00 min

Lab File: VD062835.D

Acq: 24 Jun 2019 12:54

Tgt Ion: 84 Resp: 40298

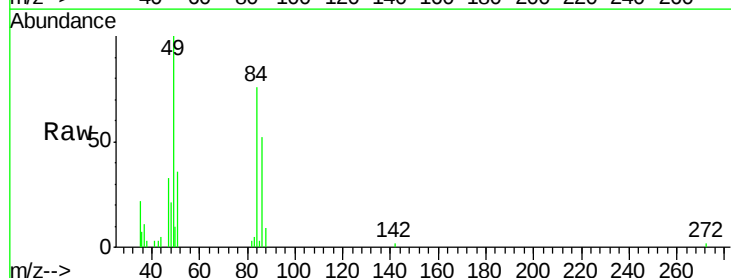
Ion Ratio Lower Upper

84 100

49 131.8 102.9 154.3

51 47.1 31.2 46.8#

86 68.8 51.4 77.2



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

25000

20000

15000

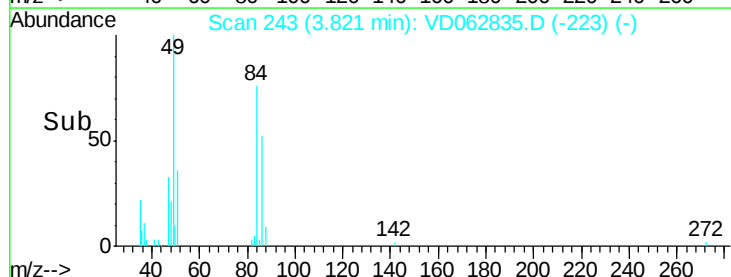
10000

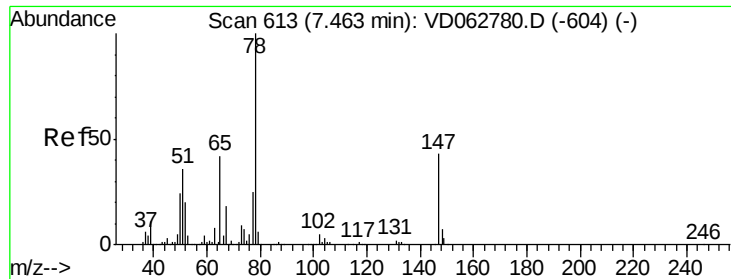
5000

0

Time-->

3.70 3.80 3.90

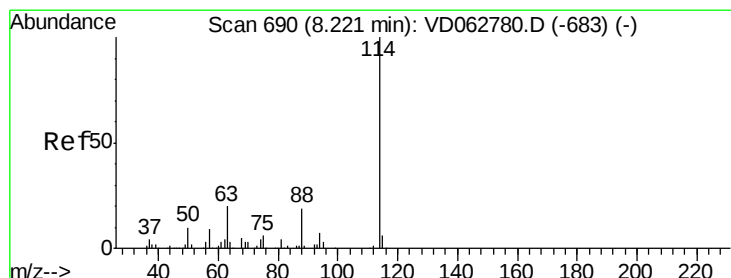
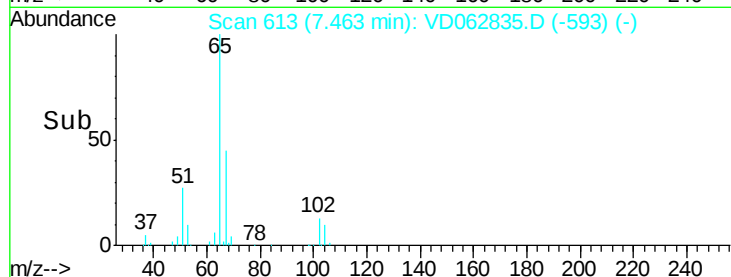
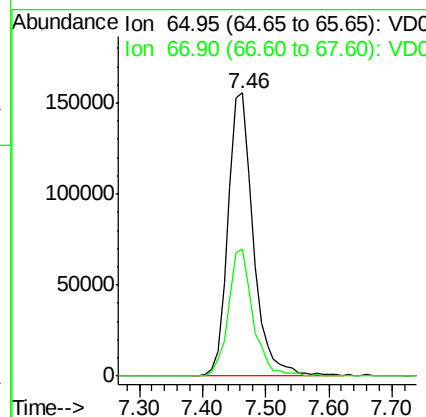
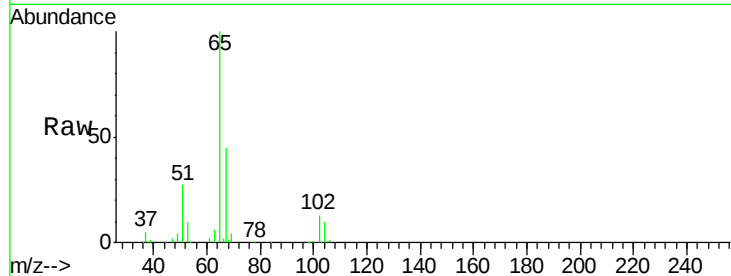




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.155 ug/l  
 RT: 7.46 min Scan# 613  
 Delta R.T. 0.00 min  
 Lab File: VD062835.D  
 Acq: 24 Jun 2019 12:54

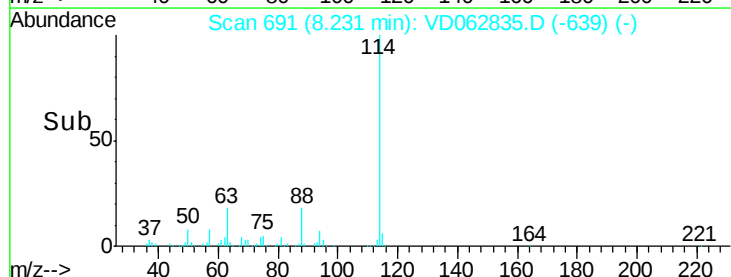
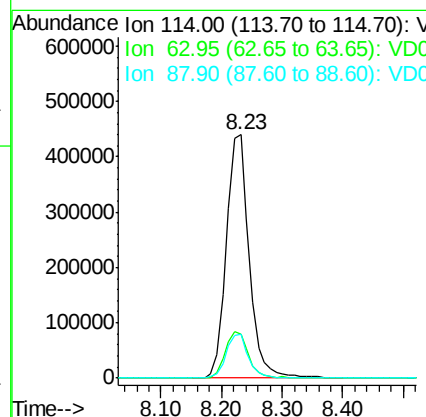
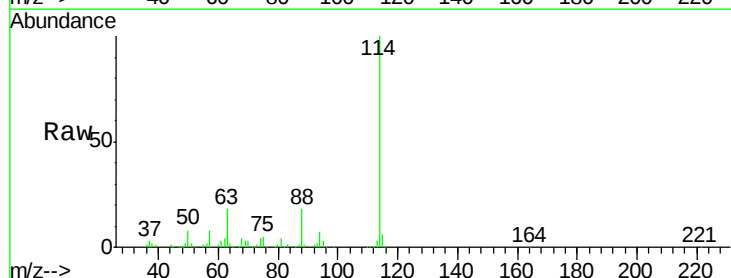
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1

Tot Ion: 65 Resp: 433190  
 Ion Ratio Lower Upper  
 65 100  
 67 44.7 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: VD062835.D  
 Acq: 24 Jun 2019 12:54

Tgt Ion: 114 Resp: 1151959  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 40.0  
 88 18.0 0.0 38.8





#35

Dibromofluoromethane

Concen: 47.894 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD062835.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA\_D

ClientSampleId :

TP-1

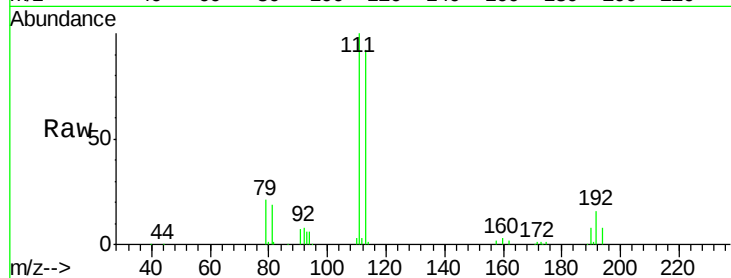
Tot Ion:113 Resp: 465205

Ion Ratio Lower Upper

113 100

111 108.9 81.2 121.8

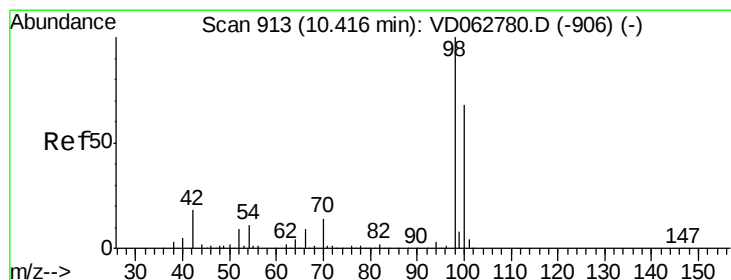
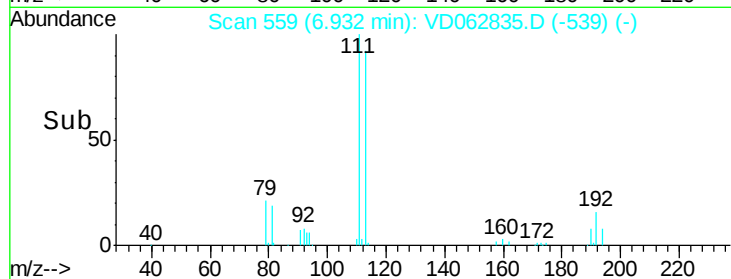
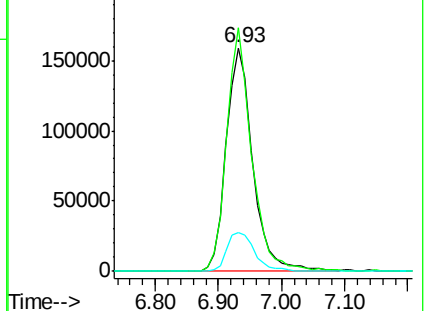
192 17.6 12.9 19.3



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: 45.325 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD062835.D

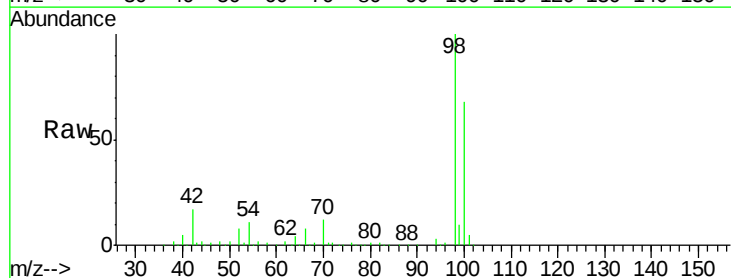
Acq: 24 Jun 2019 12:54

Tgt Ion: 98 Resp: 958199

Ion Ratio Lower Upper

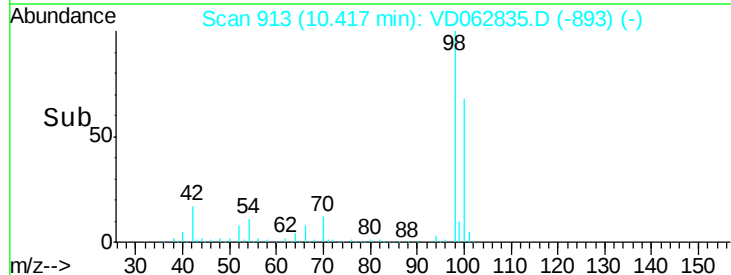
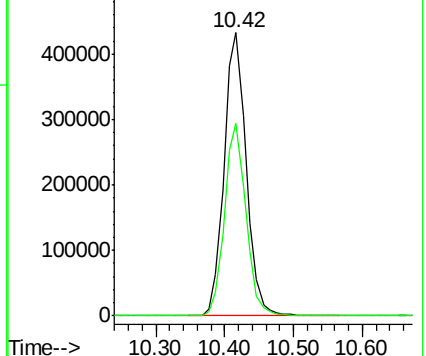
98 100

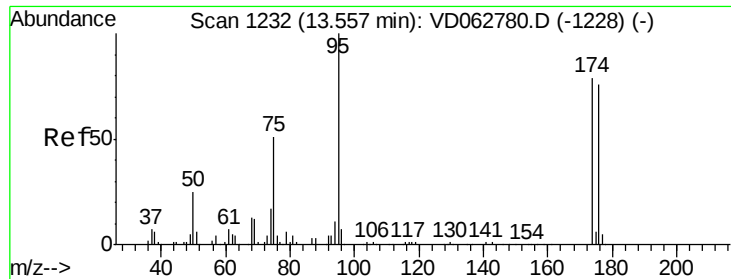
100 68.1 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

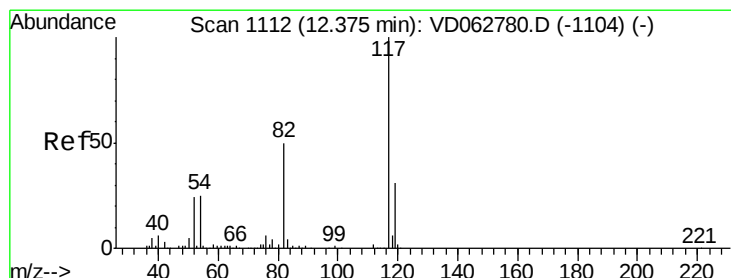
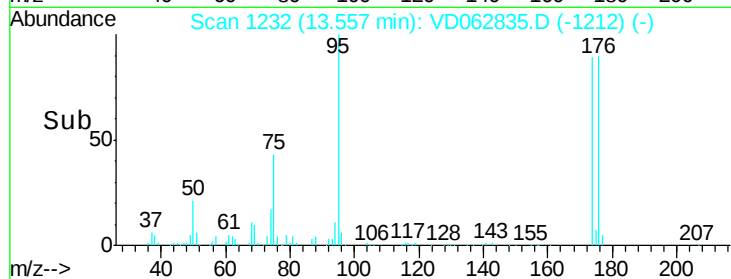
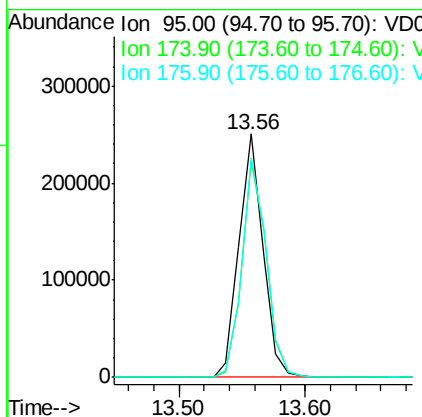
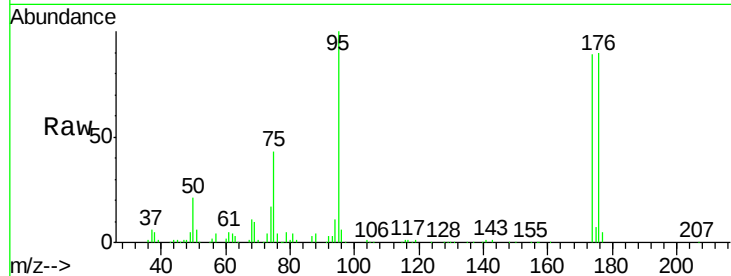




#62  
4-Bromofluorobenzene  
Concen: 34.092 ug/l  
RT: 13.56 min Scan# 1232  
Delta R.T. 0.00 min  
Lab File: VD062835.D  
Acq: 24 Jun 2019 12:54

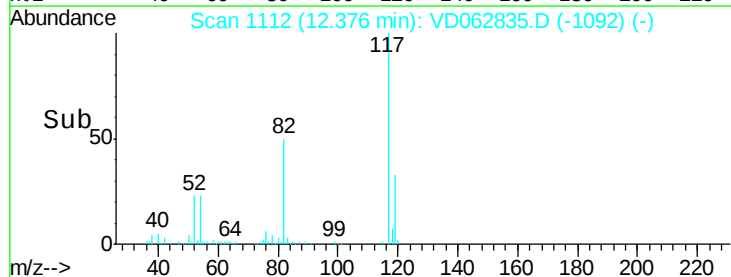
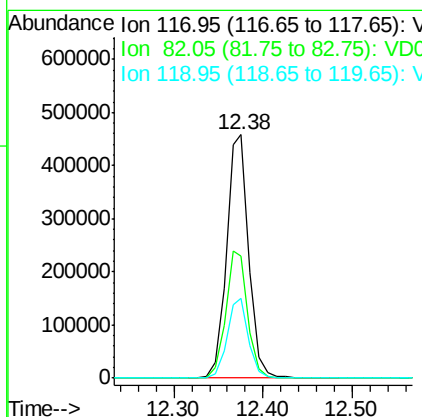
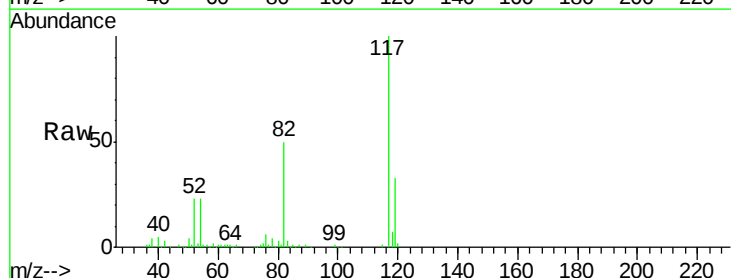
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1

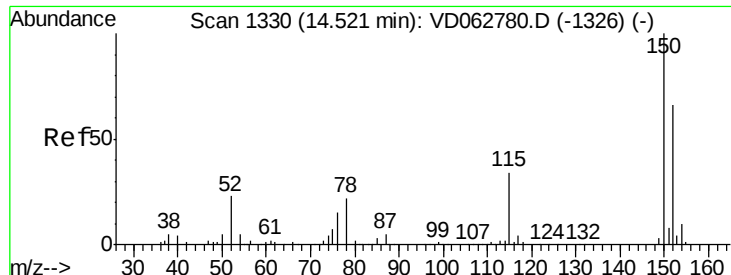
Tot Ion: 95 Resp: 327722  
Ion Ratio Lower Upper  
95 100  
174 89.1 0.0 158.0  
176 90.2 0.0 151.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VD062835.D  
Acq: 24 Jun 2019 12:54

Tgt Ion: 117 Resp: 800724  
Ion Ratio Lower Upper  
117 100  
82 50.3 40.4 60.6  
119 32.7 25.2 37.8

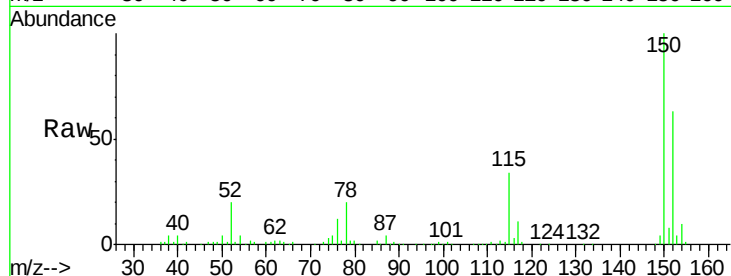




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: VD062835.D  
 Acq: 24 Jun 2019 12:54

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.5  | 29.2  | 87.6  |
| 150     | 157.6 | 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

