

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
 Data File : VD061870.D  
 Acq On : 18 Apr 2019 13:17  
 Operator : VA/AP  
 Sample : K2397-06  
 Misc : 3.05g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1-D2

Quant Time: Apr 18 13:54:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 08:53:01 2019  
 Response via : Initial Calibration

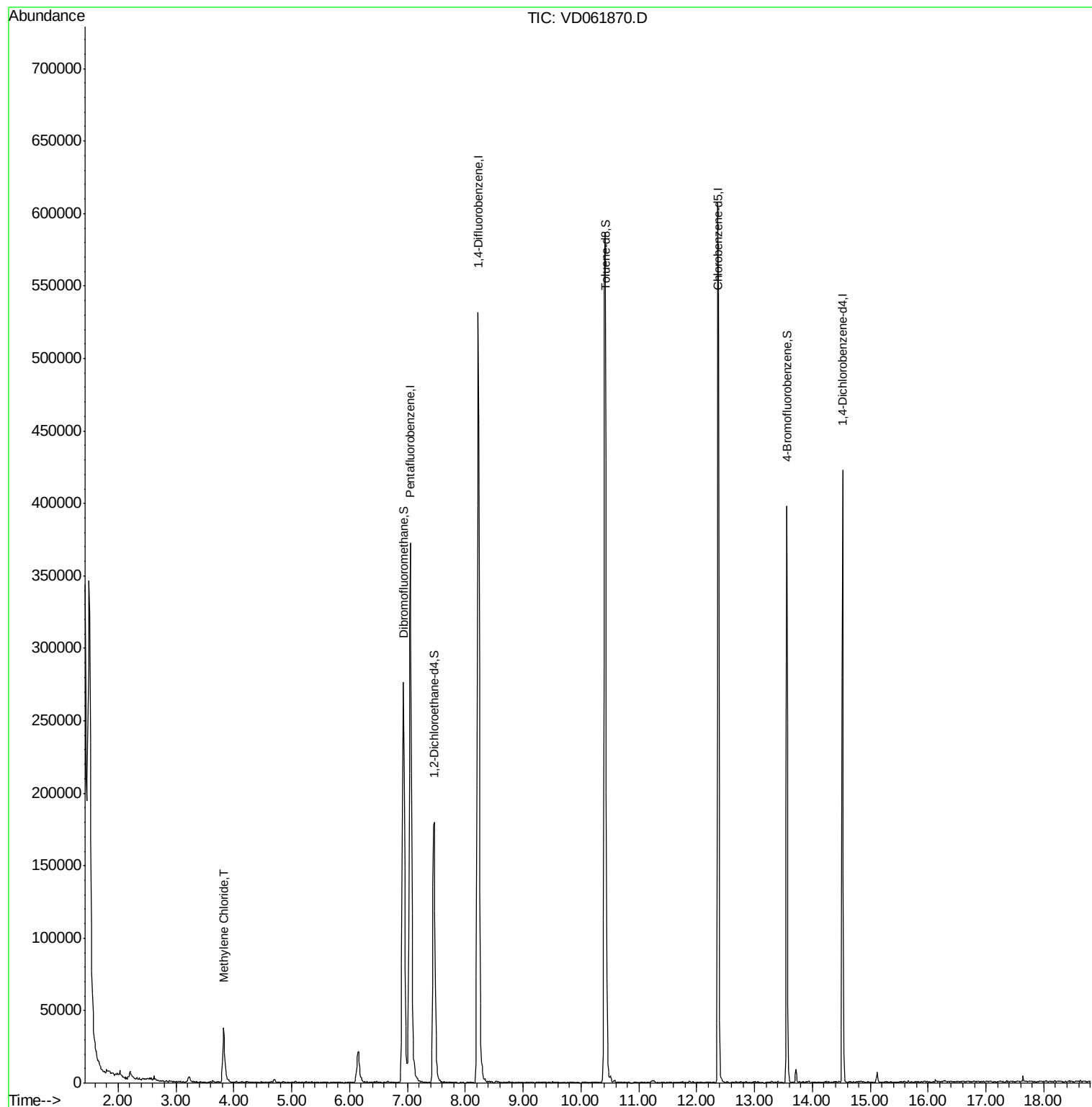
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.05  | 168  | 383248   | 50.00 | ug/l    | -0.04     |
| 34) 1,4-Difluorobenzene     | 8.22  | 114  | 632603   | 50.00 | ug/l    | -0.04     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 376033   | 50.00 | ug/l    | -0.03     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 97791    | 50.00 | ug/l    | -0.01     |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 185635   | 57.79 | ug/l    | -0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.58% |           |
| 35) Dibromofluoromethane    | 6.93  | 113  | 270416   | 56.58 | ug/l    | -0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.16% |           |
| 50) Toluene-d8              | 10.42 | 98   | 530224   | 46.82 | ug/l    | -0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.64%  |           |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 121408   | 26.45 | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 52.90%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.82  | 84   | 26978    | 2.498 | ug/l    | Qvalue 95 |

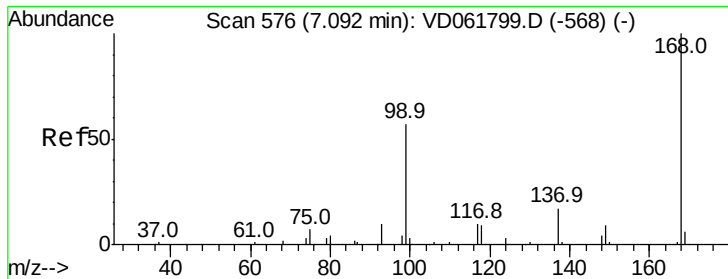
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\  
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MSVOA\_D  
ClientSampleId :  
TP-1-D2

Quant Time: Apr 18 13:54:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 16 08:53:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA\_D

ClientSampleId :

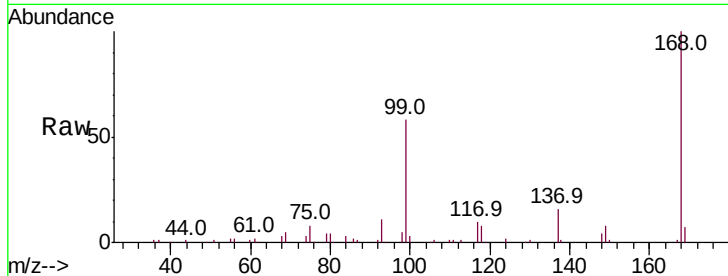
TP-1-D2

Tot Ion:168 Resp: 383248

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

7.05

150000

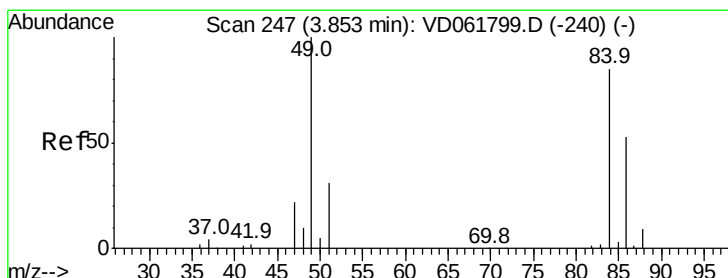
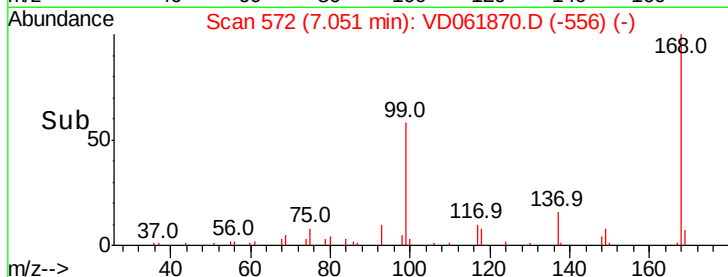
100000

50000

0

Time-->

7.00 7.20



#20

Methylene Chloride

Concen: 2.498 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Tgt Ion: 84 Resp: 26978

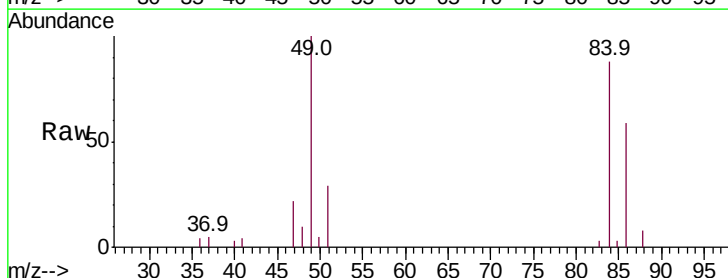
Ion Ratio Lower Upper

84 100

49 113.6 94.0 141.0

51 32.6 29.0 43.4

86 67.3 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

15000

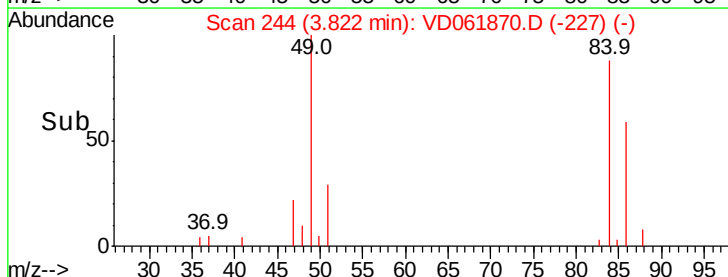
10000

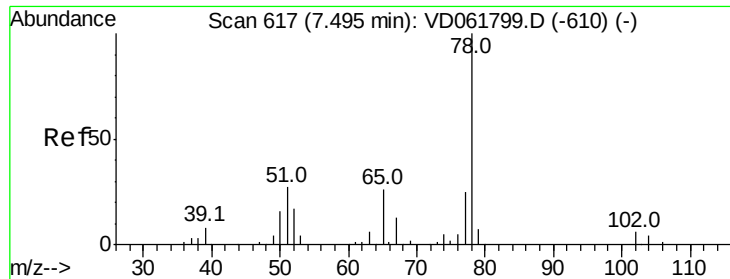
5000

0

Time-->

3.70 3.80 3.90 4.00





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA\_D

ClientSampleId :

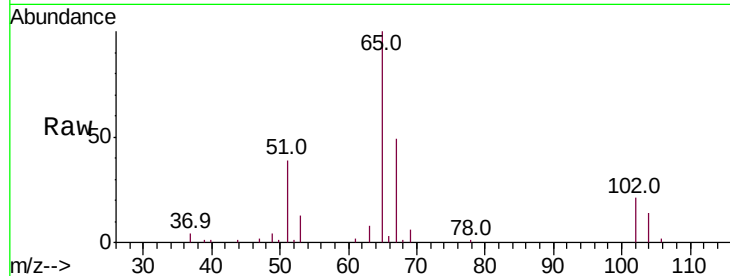
TP-1-D2

Tot Ion: 65 Resp: 185635

Ion Ratio Lower Upper

65 100

67 49.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

60000

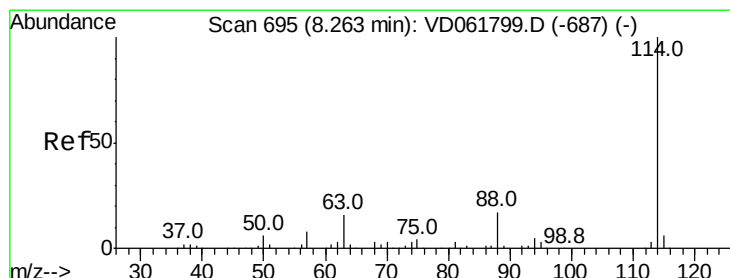
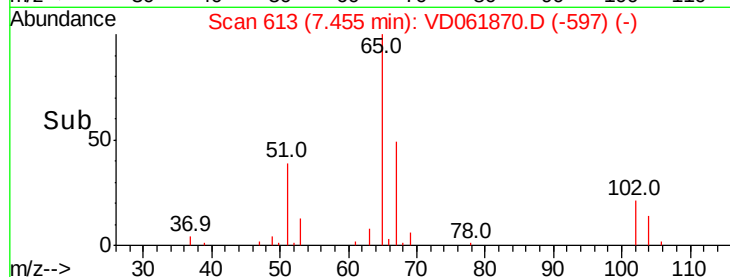
40000

20000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

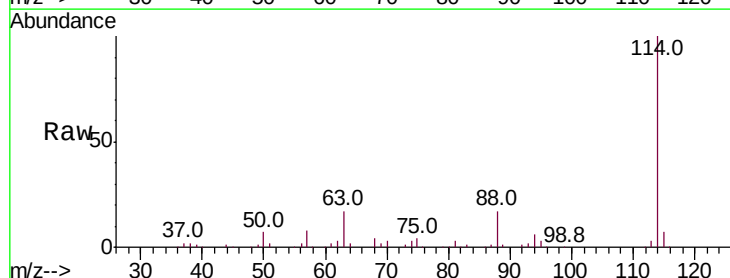
Tgt Ion:114 Resp: 632603

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.4

88 16.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.22

300000

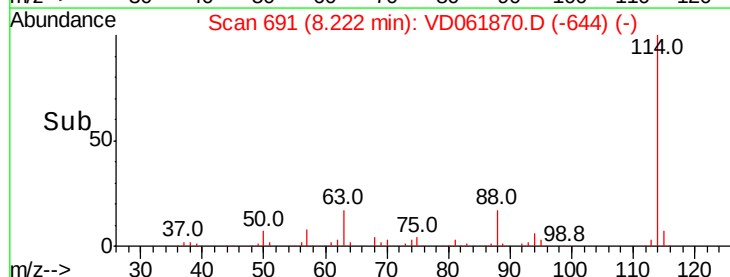
200000

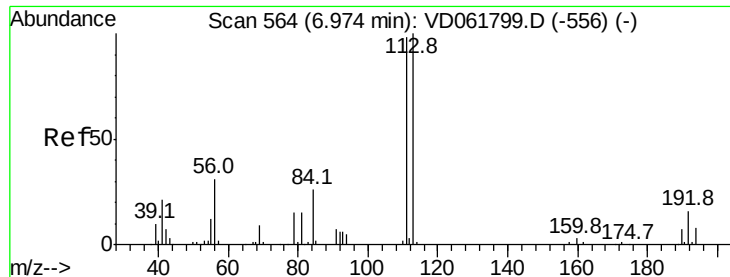
100000

0

Time-->

8.20 8.40





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA\_D

ClientSampleId :

TP-1-D2

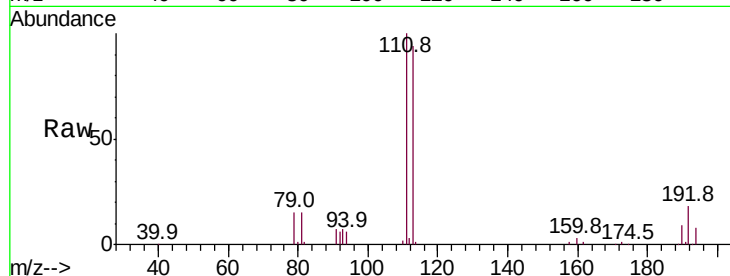
Tot Ion:113 Resp: 270416

Ion Ratio Lower Upper

113 100

111 106.2 78.5 117.7

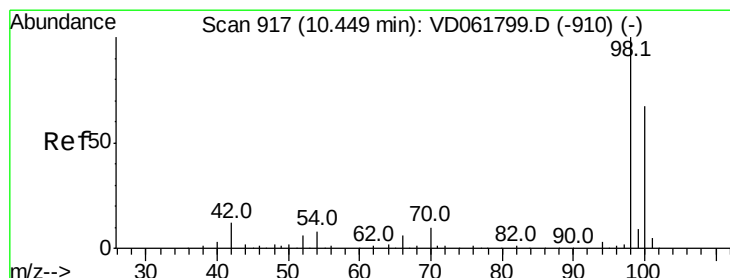
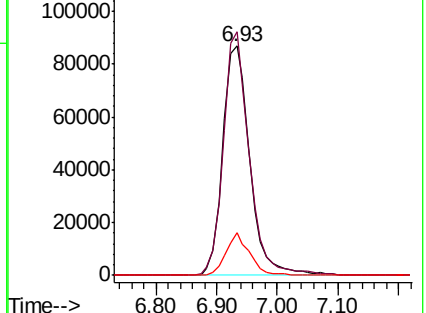
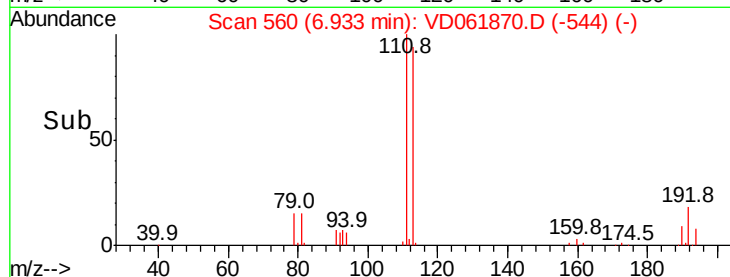
192 18.7 13.0 19.4



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: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. -0.03 min

Lab File: VD061870.D

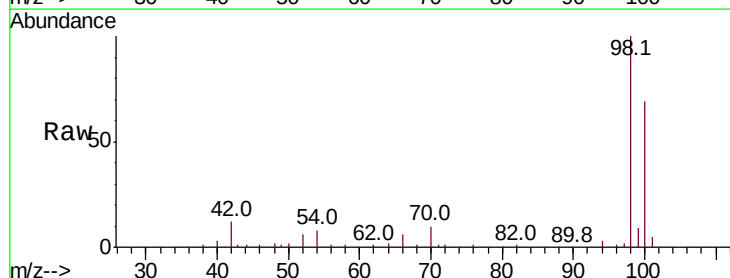
Acq: 18 Apr 2019 13:17

Tgt Ion: 98 Resp: 530224

Ion Ratio Lower Upper

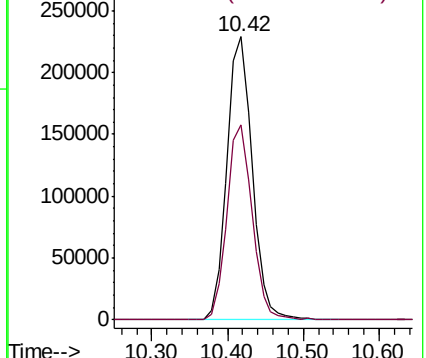
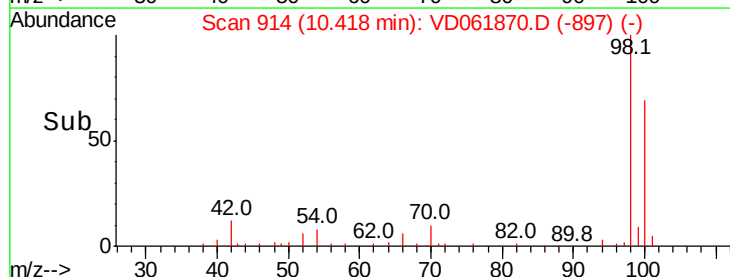
98 100

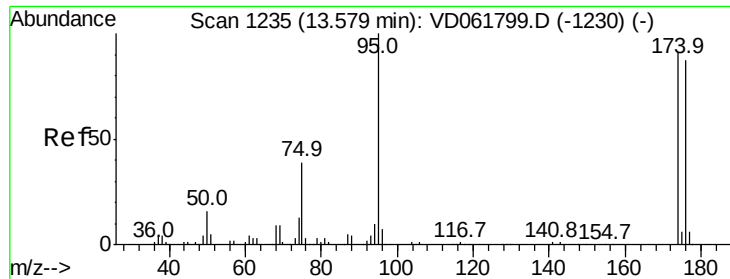
100 68.8 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

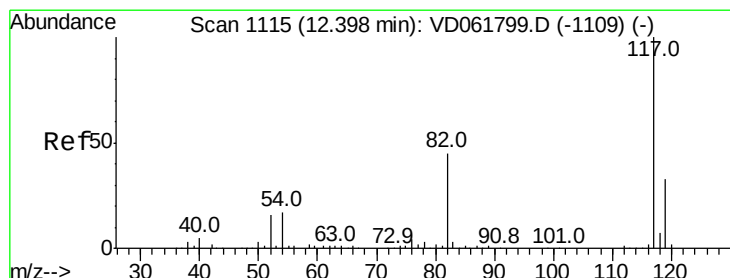
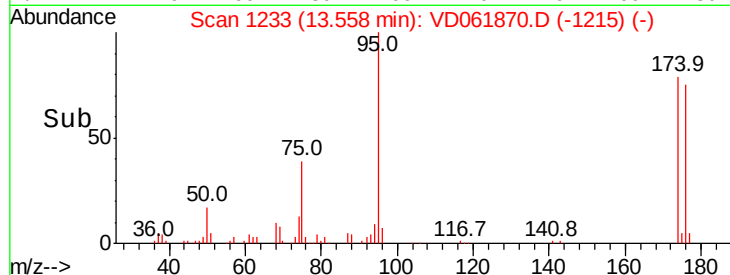
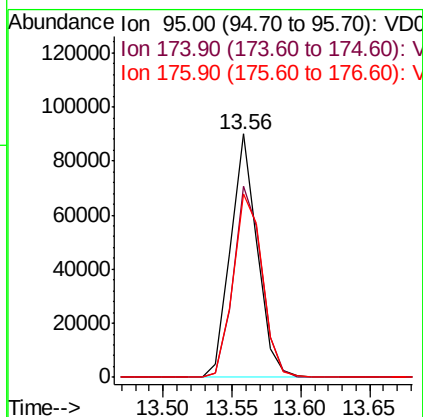
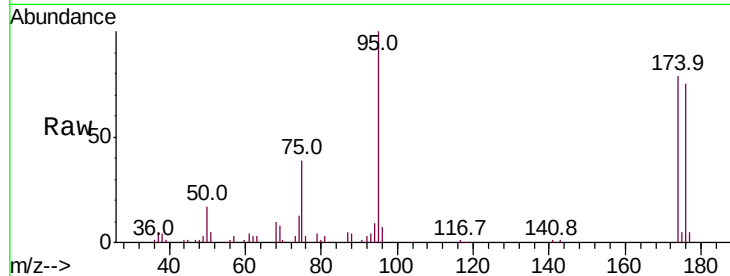




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 13.56 min Scan# 1233  
Delta R.T. -0.02 min  
Lab File: VD061870.D  
Acq: 18 Apr 2019 13:17

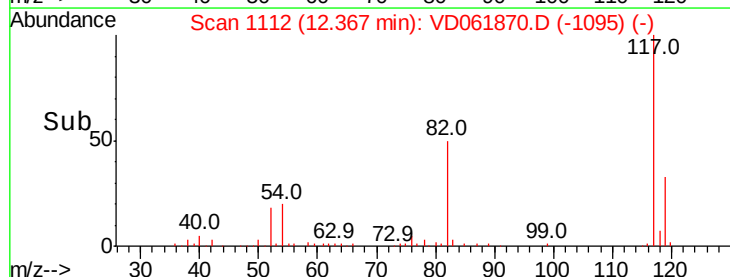
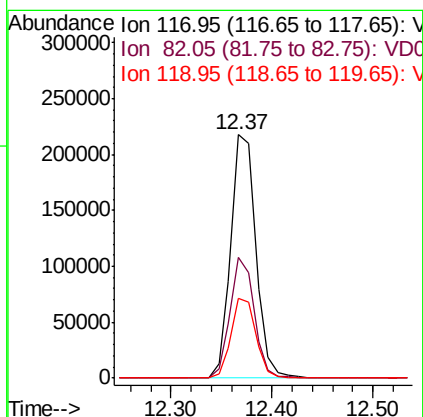
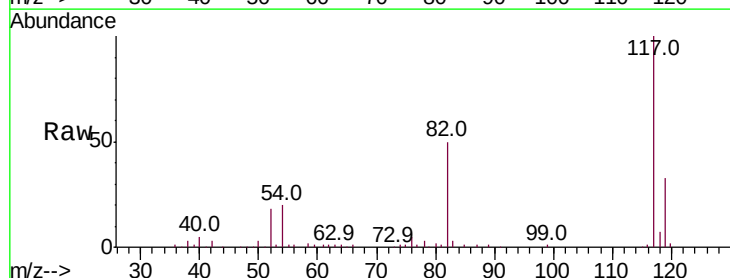
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1-D2

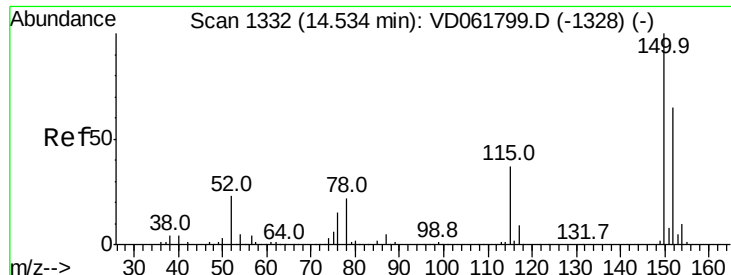
Tot Ion: 95 Resp: 121408  
Ion Ratio Lower Upper  
95 100  
174 78.5 0.0 181.8  
176 75.5 0.0 174.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. -0.03 min  
Lab File: VD061870.D  
Acq: 18 Apr 2019 13:17

Tgt Ion: 117 Resp: 376033  
Ion Ratio Lower Upper  
117 100  
82 49.6 36.2 54.2  
119 32.8 26.2 39.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 14.52 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: VD061870.D  
 Acq: 18 Apr 2019 13:17

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1-D2

Tot Ion:152 Resp: 97791  
 Ion Ratio Lower Upper  
 152 100  
 115 49.7 30.9 92.7  
 150 154.9 0.0 314.8

