

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110118\  
 Data File : VD060281.D  
 Acq On : 2 Nov 2018 00:10  
 Operator : VA/AP  
 Sample : J5741-23  
 Misc : 6.15g/5ml/MSVOA D/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6

Quant Time: Nov 02 02:50:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

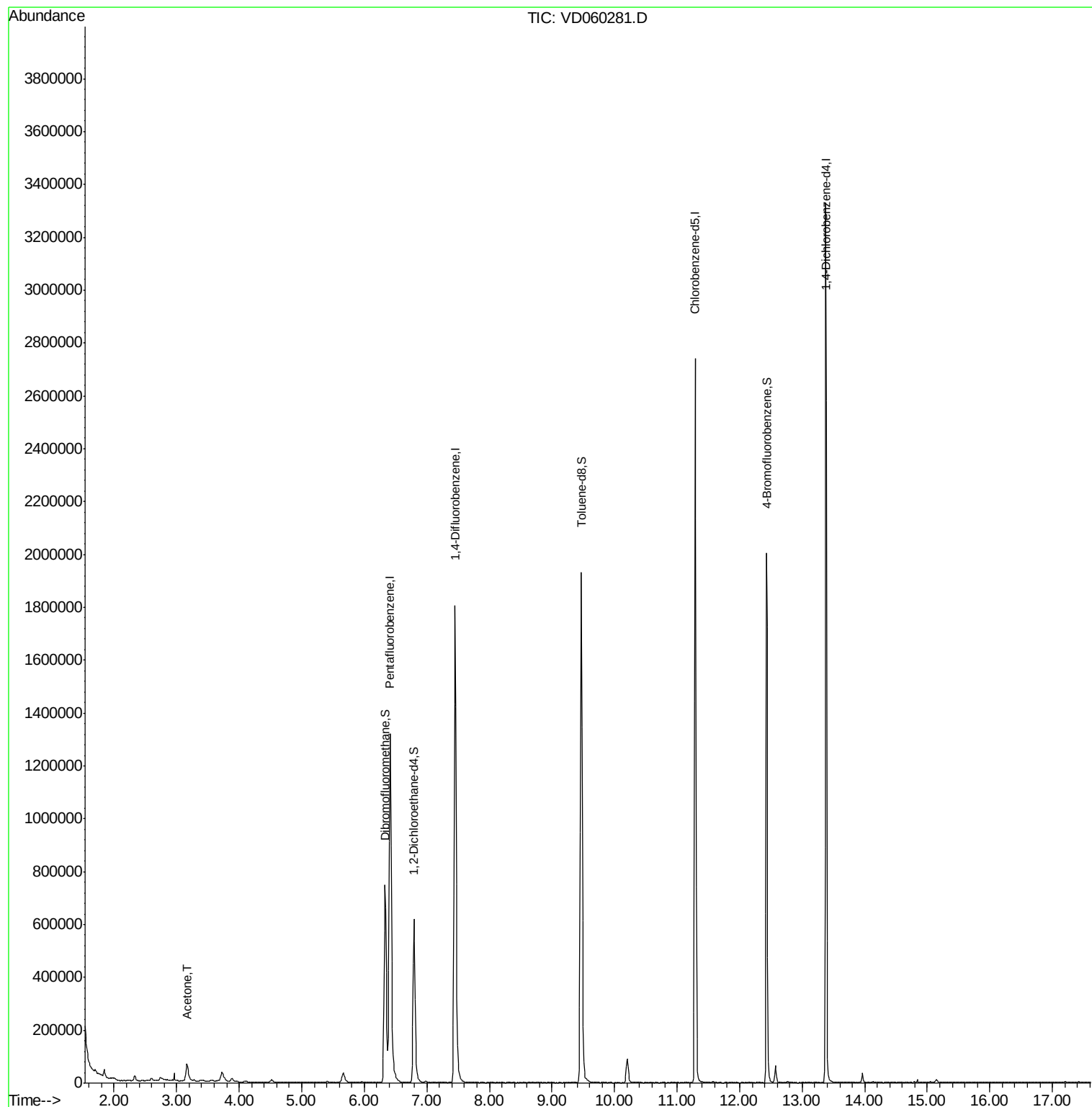
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 6.42  | 168  | 1321825  | 50.00  | ug/l    | 0.03      |
| 34) 1,4-Difluorobenzene     | 7.45  | 114  | 1841459  | 50.00  | ug/l    | 0.03      |
| 63) Chlorobenzene-d5        | 11.29 | 117  | 1503351  | 50.00  | ug/l    | 0.02      |
| 72) 1,4-Dichlorobenzene-d4  | 13.38 | 152  | 786335   | 50.00  | ug/l    | 0.01      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.79  | 65   | 502915   | 50.19  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.38% |           |
| 35) Dibromofluoromethane    | 6.33  | 113  | 578377   | 41.36  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.72%  |           |
| 50) Toluene-d8              | 9.47  | 98   | 1596183  | 40.03  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.06%  |           |
| 62) 4-Bromofluorobenzene    | 12.43 | 95   | 590110   | 39.53  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.06%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 3.16  | 43   | 135522   | 74.541 | ug/l    | Qvalue 95 |

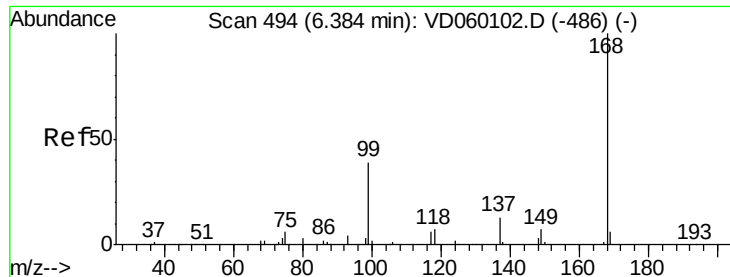
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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Quant Time: Nov 02 02:50:43 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

Instrument :

MSVOA\_D

ClientSampleId :

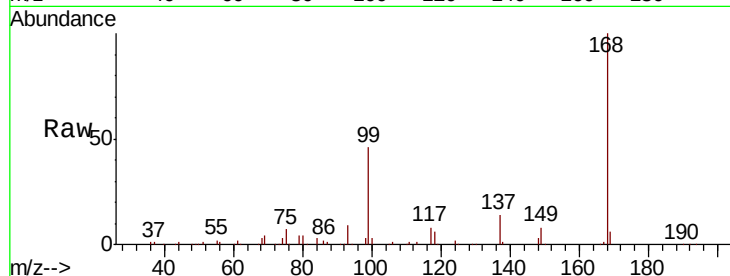
TP-6

Tot Ion:168 Resp: 1321825

Ion Ratio Lower Upper

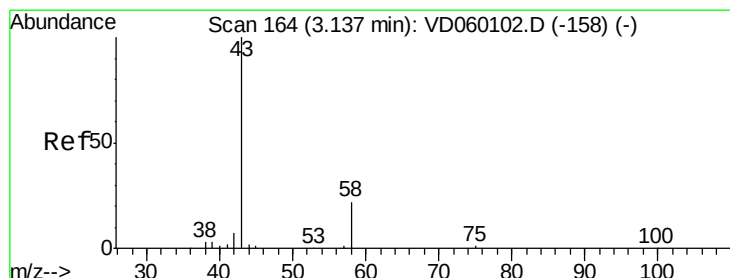
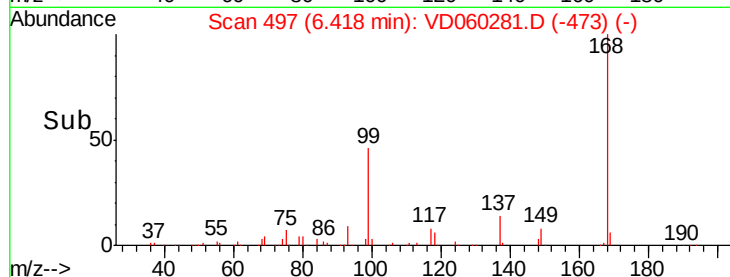
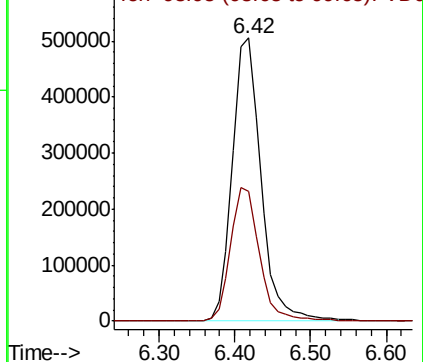
168 100

99 45.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 74.541 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060281.D

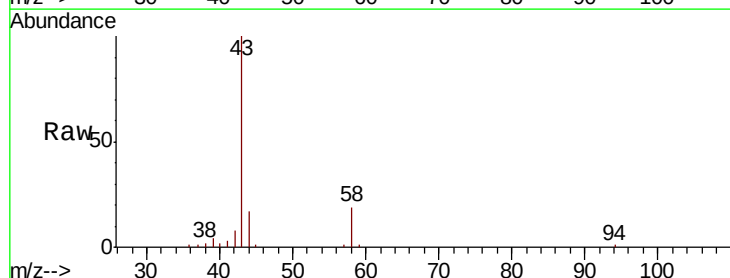
Acq: 2 Nov 2018 00:10

Tgt Ion: 43 Resp: 135522

Ion Ratio Lower Upper

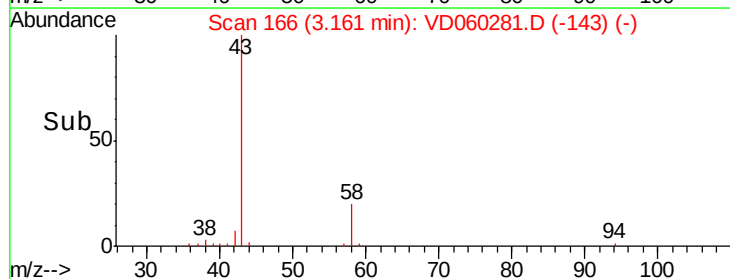
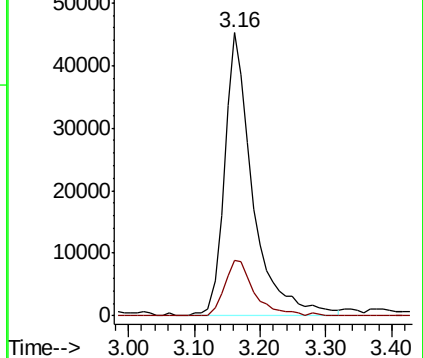
43 100

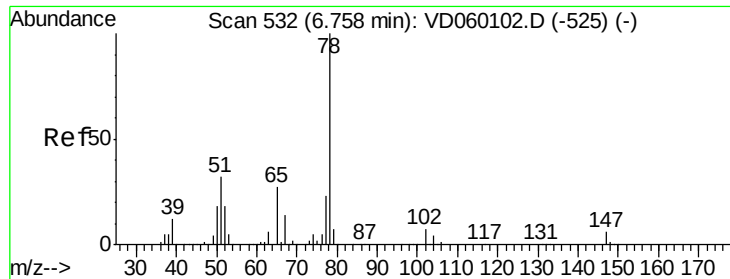
58 19.5 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

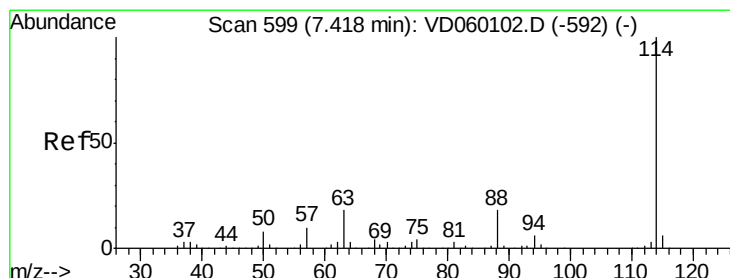
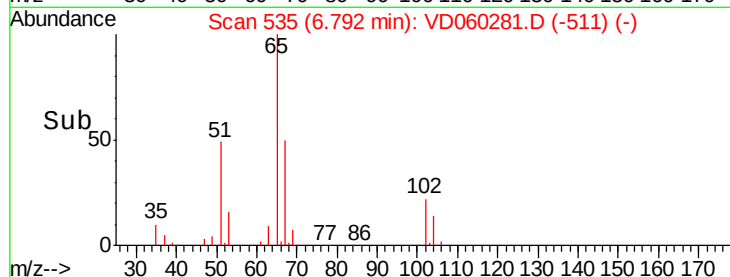
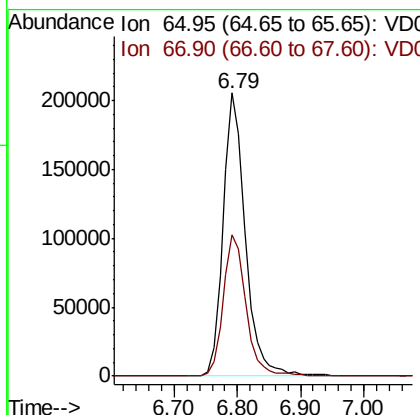
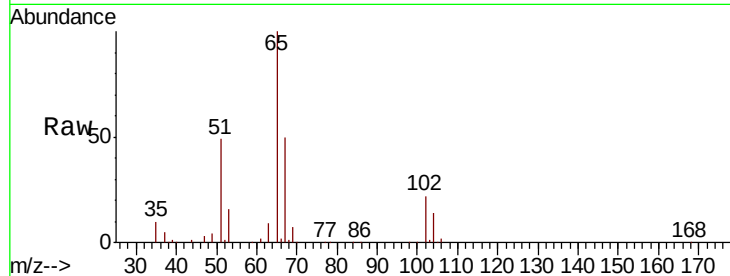




#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 6.79 min Scan# 535  
 Delta R.T. 0.03 min  
 Lab File: VD060281.D  
 Acq: 2 Nov 2018 00:10

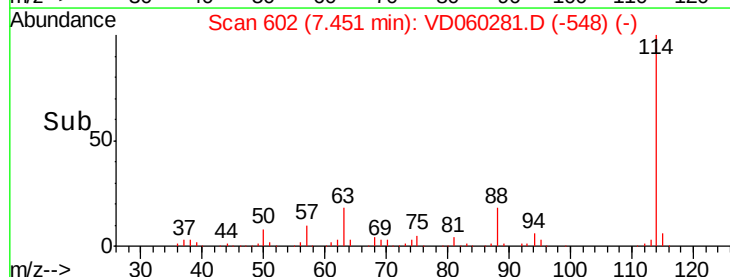
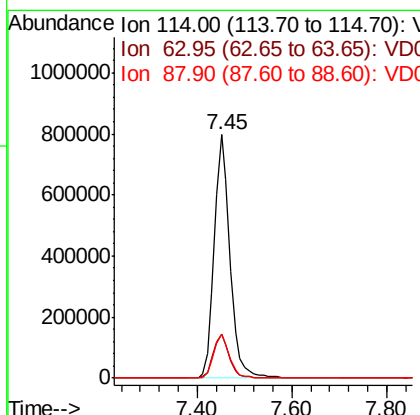
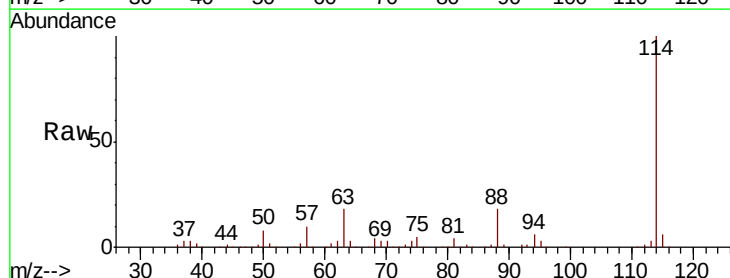
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6

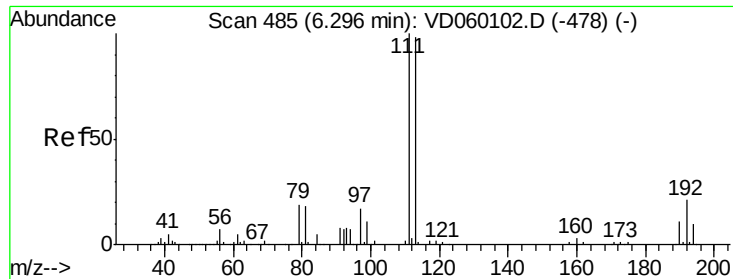
Tot Ion: 65 Resp: 502915  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.45 min Scan# 602  
 Delta R.T. 0.03 min  
 Lab File: VD060281.D  
 Acq: 2 Nov 2018 00:10

Tgt Ion: 114 Resp: 1841459  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 36.0  
 88 18.1 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

Instrument :

MSVOA\_D

ClientSampleId :

TP-6

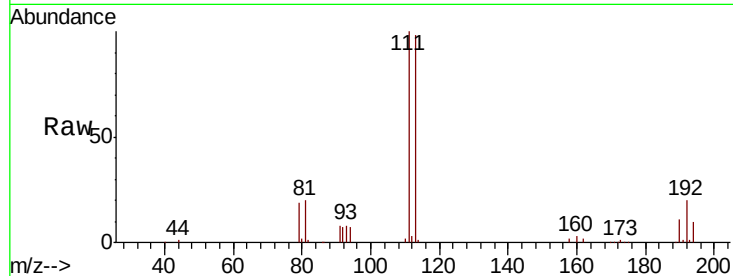
Tot Ion:113 Resp: 578377

Ion Ratio Lower Upper

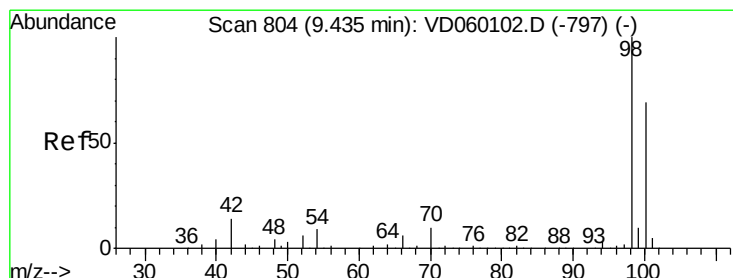
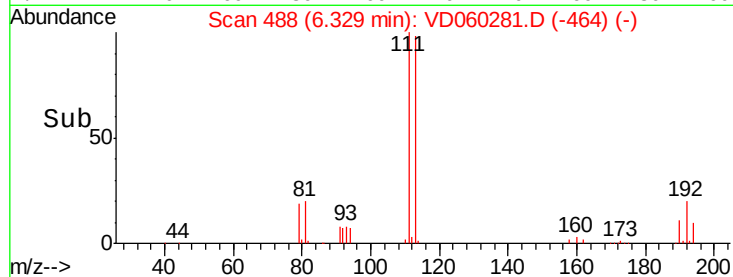
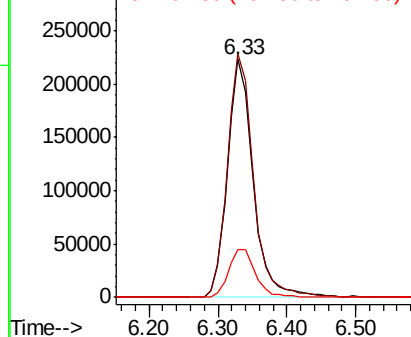
113 100

111 102.2 81.5 122.3

192 20.2 17.4 26.0



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: 9.47 min Scan# 807

Delta R.T. 0.03 min

Lab File: VD060281.D

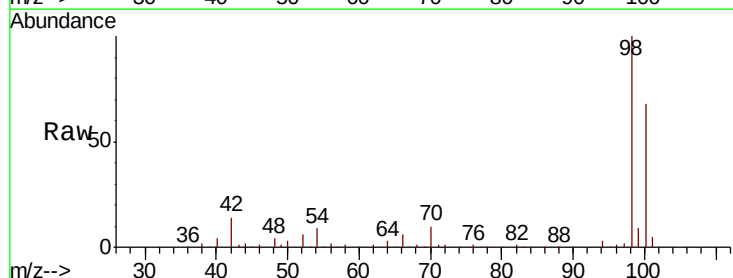
Acq: 2 Nov 2018 00:10

Tgt Ion: 98 Resp: 1596183

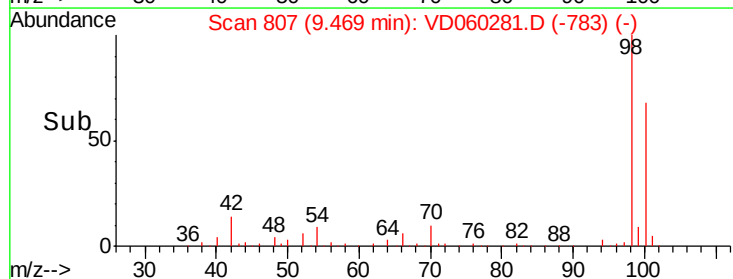
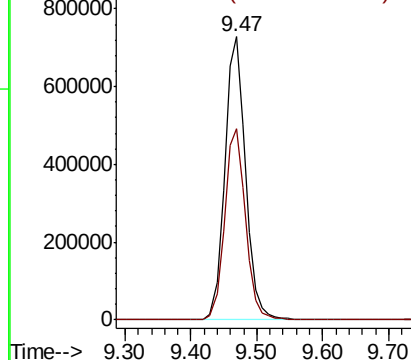
Ion Ratio Lower Upper

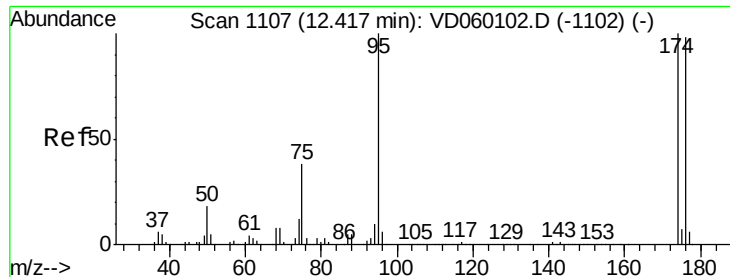
98 100

100 67.6 55.4 83.0



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

Instrument :

MSVOA\_D

ClientSampled :

TP-6

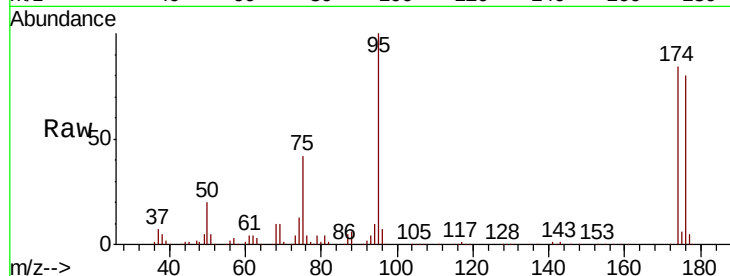
Tot Ion: 95 Resp: 590110

Ion Ratio Lower Upper

95 100

174 84.2 0.0 200.2

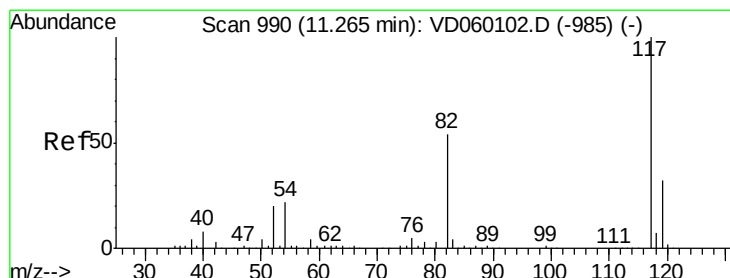
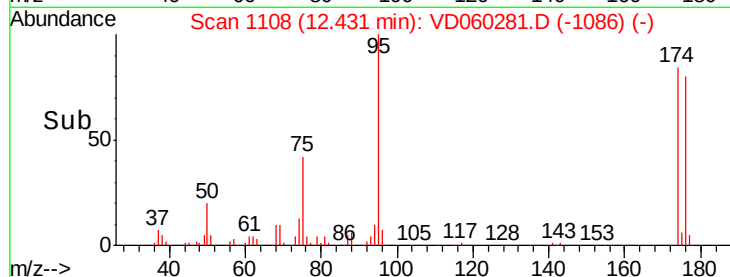
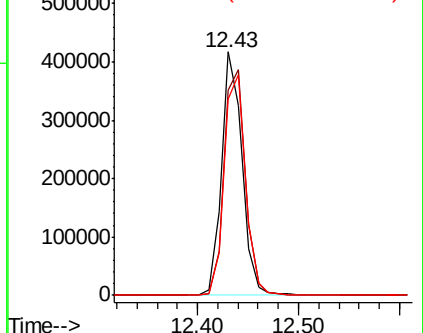
176 80.5 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060281.D

Acq: 2 Nov 2018 00:10

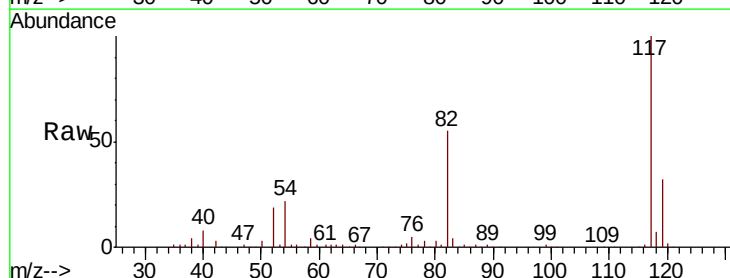
Tgt Ion: 117 Resp: 1503351

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.2

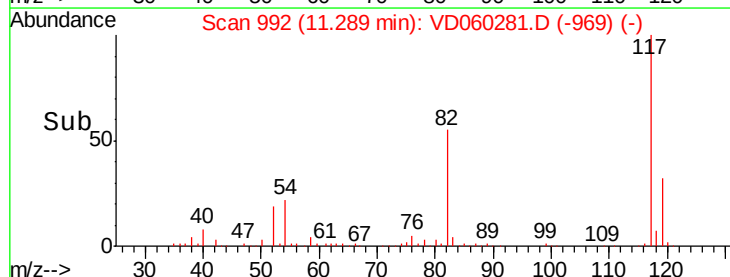
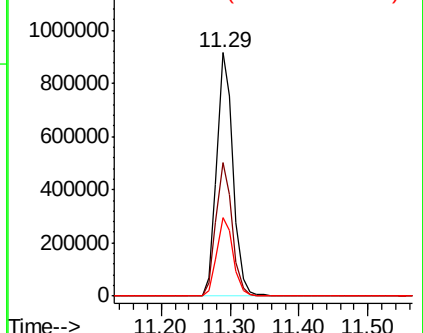
119 32.3 26.0 39.0

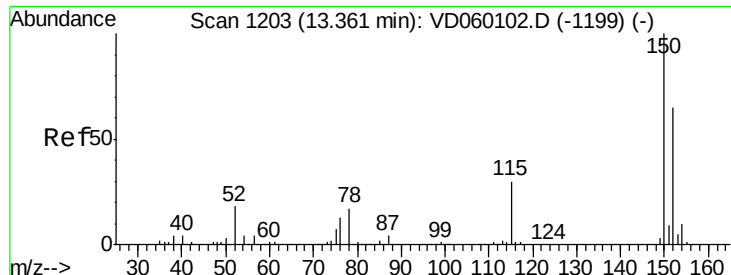


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

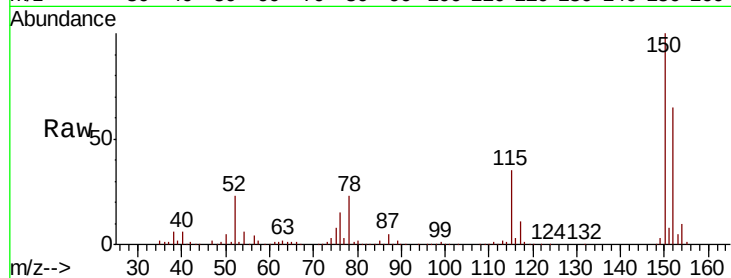




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.38 min Scan# 1204  
 Delta R.T. 0.01 min  
 Lab File: VD060281.D  
 Acq: 2 Nov 2018 00:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.1  | 81.2  |
| 150     | 154.5 | 0.0   | 311.8 |



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

