

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\  
 Data File : VD060161.D  
 Acq On : 9 Oct 2018 20:01  
 Operator : VA/AP  
 Sample : J5326-17  
 Misc : 6.03g/5ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FL-PIT-5

Quant Time: Oct 10 02:06:34 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

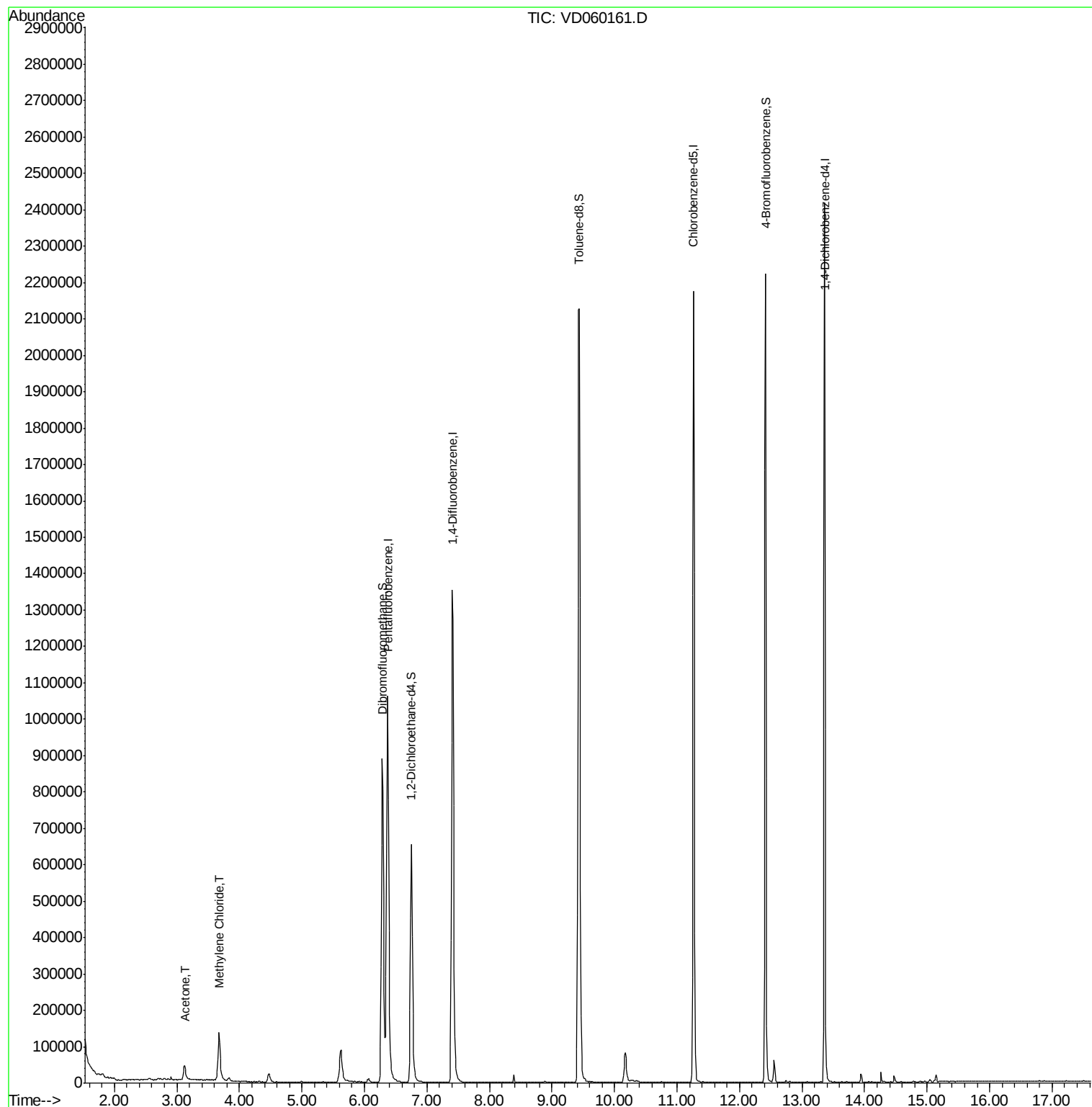
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 6.37  | 168  | 1050032  | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 7.41  | 114  | 1426722  | 50.00  | ug/l    | -0.01    |
| 63) Chlorobenzene-d5        | 11.26 | 117  | 1136512  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.36 | 152  | 531498   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.75  | 65   | 547477   | 68.78  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 137.56% |          |
| 35) Dibromofluoromethane    | 6.28  | 113  | 679754   | 62.74  | ug/l    | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 125.48% |          |
| 50) Toluene-d8              | 9.43  | 98   | 1813289  | 58.69  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.38% |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 619756   | 53.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.16% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.12  | 43   | 72598    | 50.267 | ug/l    | 92       |
| 20) Methylene Chloride      | 3.68  | 84   | 74762    | 2.490  | ug/l    | 97       |

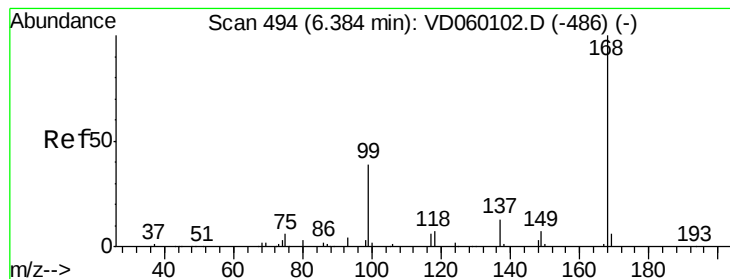
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\  
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FL-PIT-5

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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: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060161.D

Acq: 9 Oct 2018 20:01

Instrument :

MSVOA\_D

ClientSampleId :

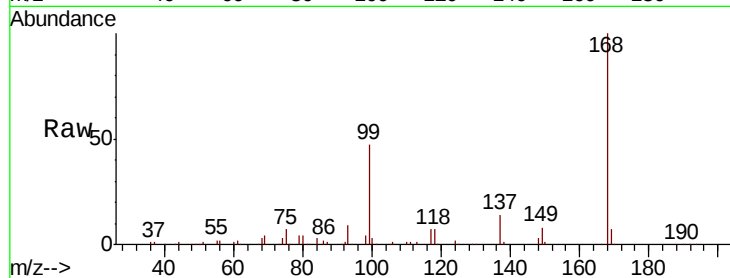
FL-PIT-5

Tot Ion:168 Resp: 1050032

Ion Ratio Lower Upper

168 100

99 46.5 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.37

400000

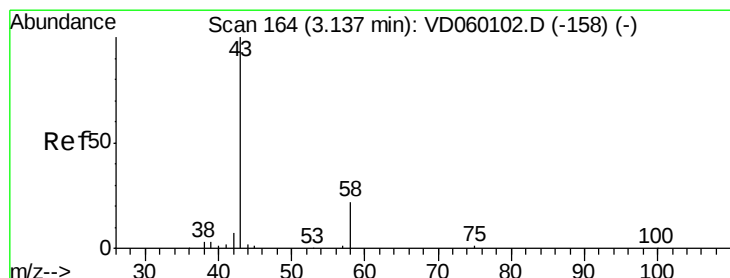
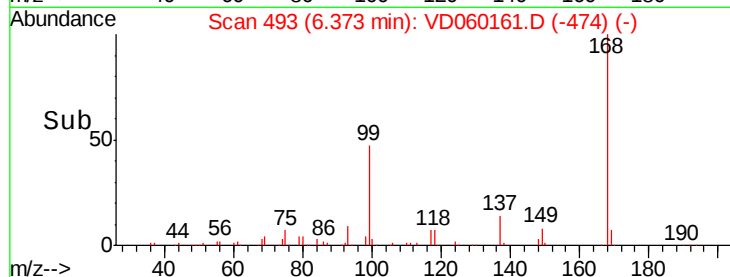
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#16

Acetone

Concen: 50.267 ug/l

RT: 3.12 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD060161.D

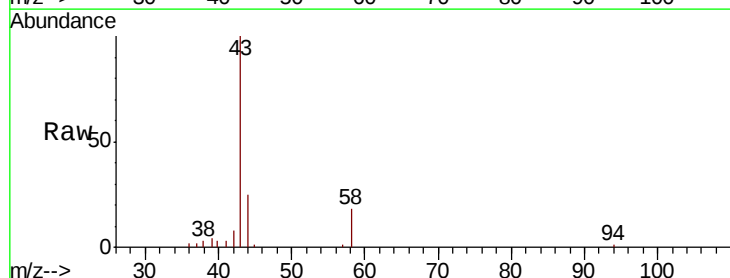
Acq: 9 Oct 2018 20:01

Tgt Ion: 43 Resp: 72598

Ion Ratio Lower Upper

43 100

58 18.3 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.12

30000

25000

20000

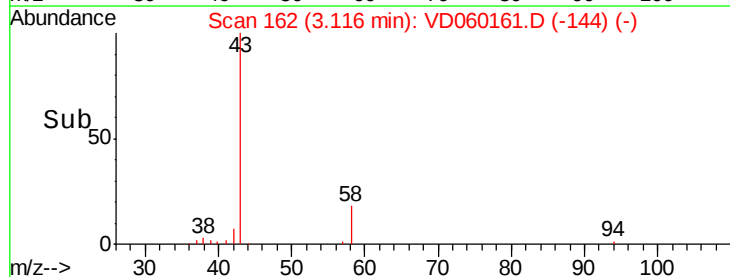
15000

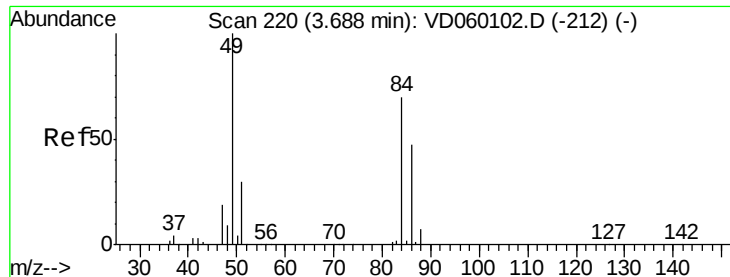
10000

5000

0

Time--> 3.00 3.10 3.20 3.30

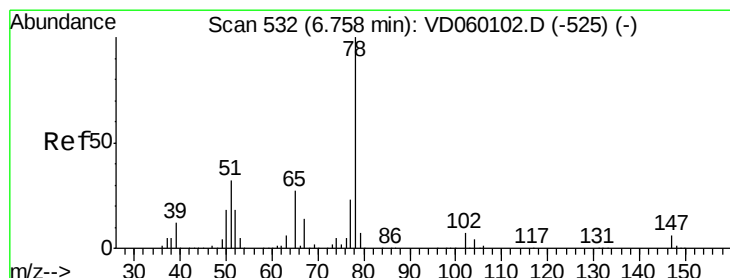
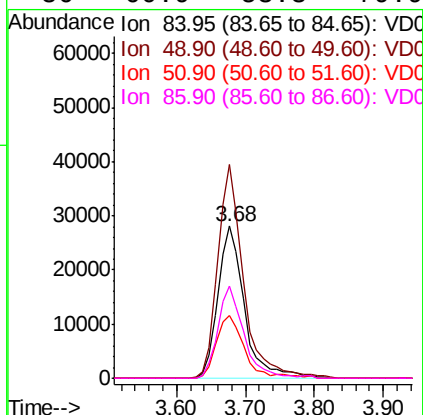
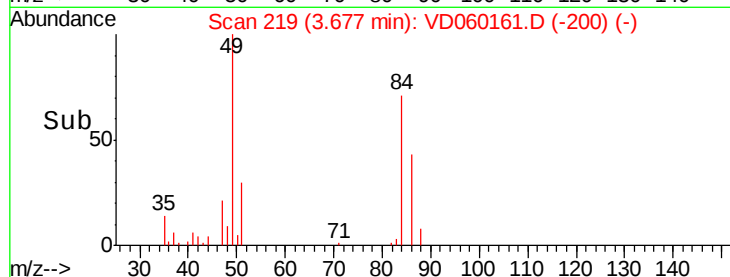
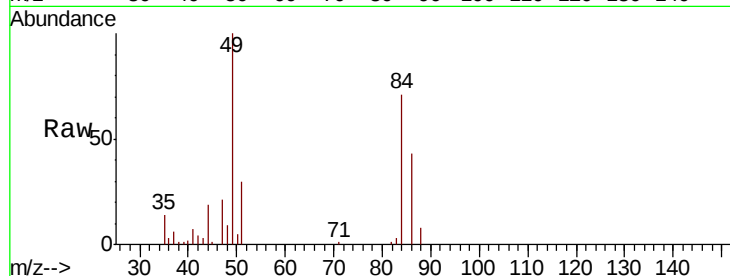




#20  
Methvlene Chloride  
Concen: 2.490 ug/l  
RT: 3.68 min Scan# 219  
Delta R.T. -0.01 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

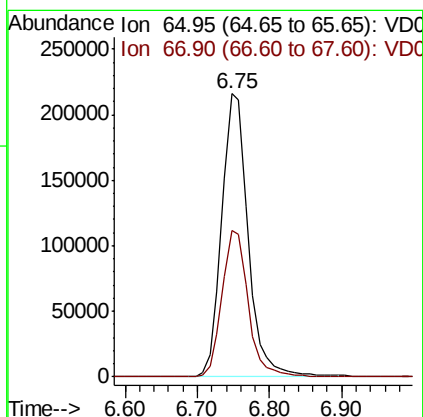
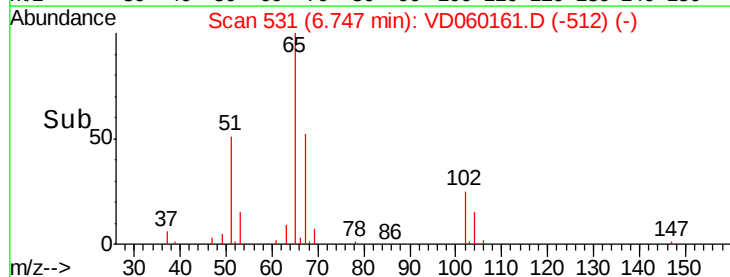
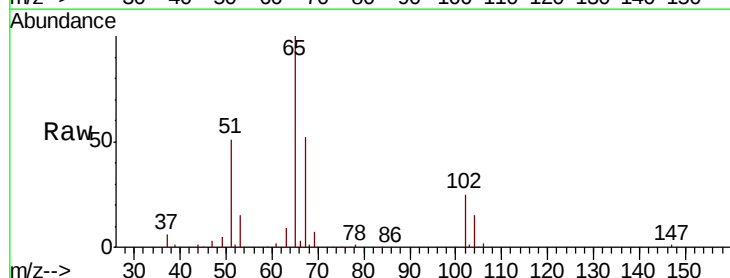
Instrument :  
MSVOA\_D  
ClientSampleId :  
FL-PIT-5

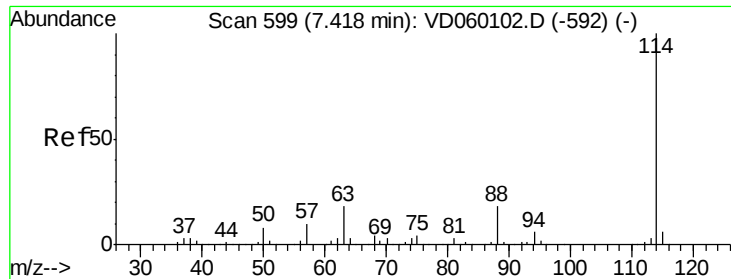
Tot Ion: 84 Resp: 74762  
Ion Ratio Lower Upper  
84 100  
49 140.3 114.6 172.0  
51 41.6 33.8 50.8  
86 60.9 53.3 79.9



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.75 min Scan# 531  
Delta R.T. -0.01 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

Tgt Ion: 65 Resp: 547477  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 106.2



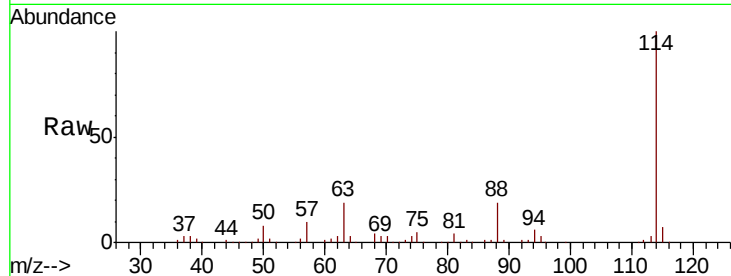


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.41 min Scan# 598  
 Delta R.T. -0.01 min  
 Lab File: VD060161.D  
 Acq: 9 Oct 2018 20:01

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 FL-PIT-5

Tot Ion:114 Resp: 1426722

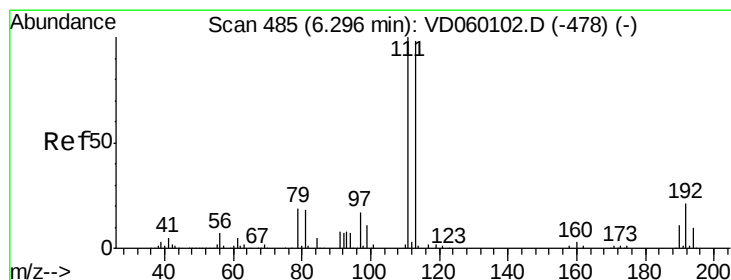
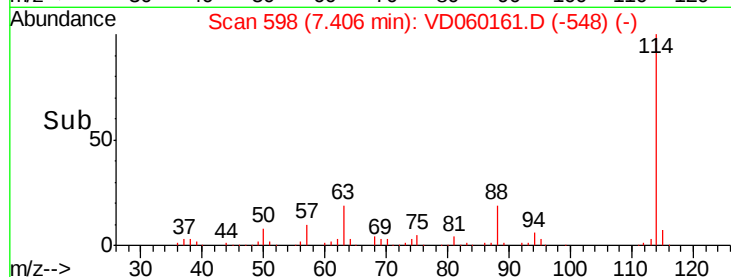
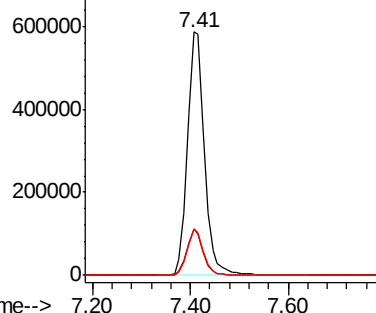
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 18.9  | 0.0   | 36.0  |
| 88  | 19.2  | 0.0   | 36.2  |



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

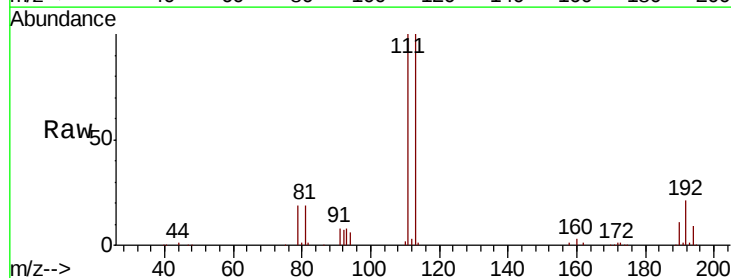
Ion 87.90 (87.60 to 88.60): V



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.28 min Scan# 484  
 Delta R.T. -0.01 min  
 Lab File: VD060161.D  
 Acq: 9 Oct 2018 20:01

Tgt Ion:113 Resp: 679754

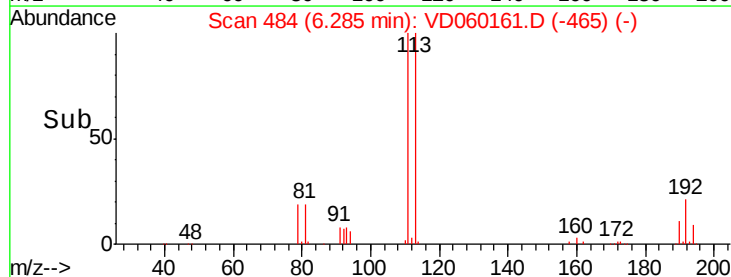
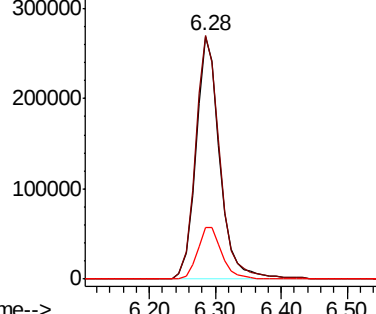
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 100.5 | 81.5  | 122.3 |
| 192 | 21.1  | 17.4  | 26.0  |

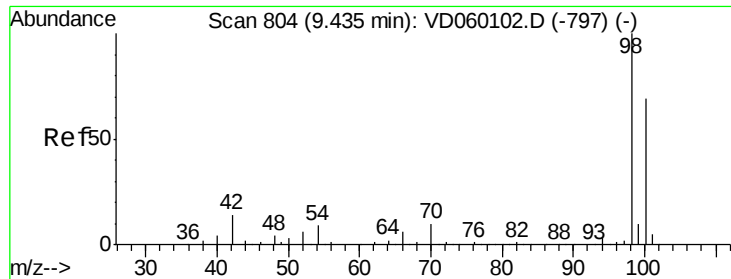


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

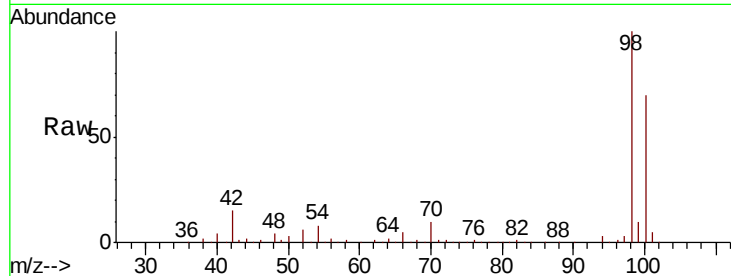




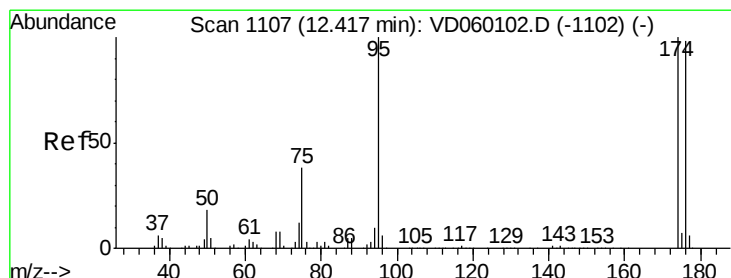
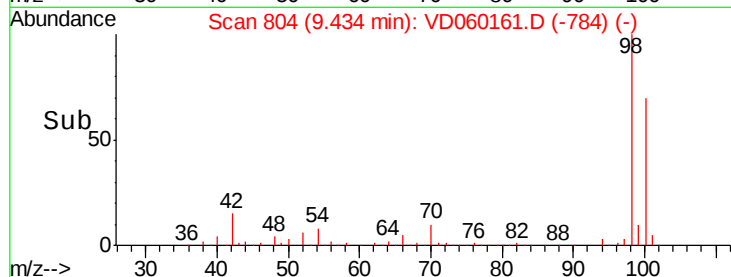
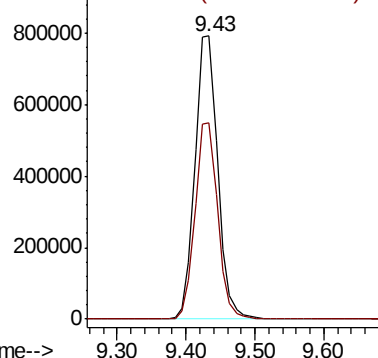
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 9.43 min Scan# 804  
Delta R.T. -0.00 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

Instrument :  
MSVOA\_D  
ClientSampleId :  
FL-PIT-5

Tot Ion: 98 Resp: 1813289  
Ion Ratio Lower Upper  
98 100  
100 69.6 55.4 83.0

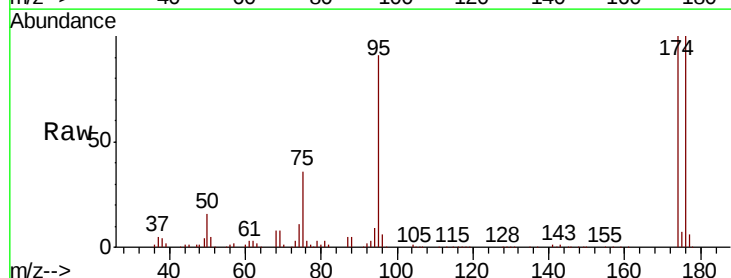


Abundance Ion 98.05 (97.75 to 98.75): VD0  
Ion 100.05 (99.75 to 100.75): VD

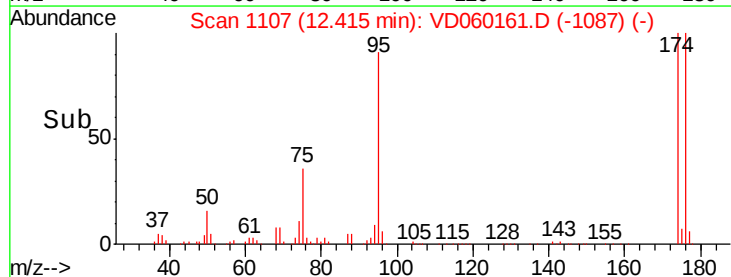
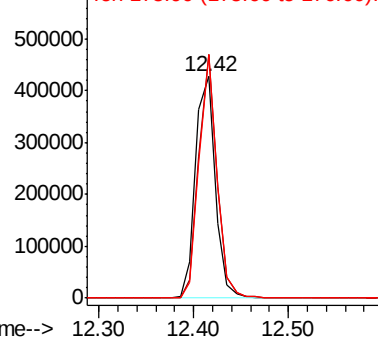


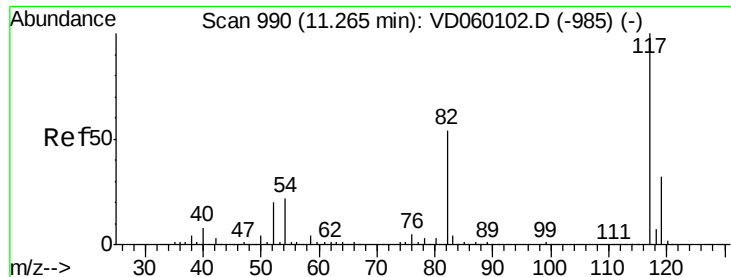
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.42 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

Tgt Ion: 95 Resp: 619756  
Ion Ratio Lower Upper  
95 100  
174 109.8 0.0 200.2  
176 109.7 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): VD0  
Ion 173.90 (173.60 to 174.60): V  
Ion 175.90 (175.60 to 176.60): V

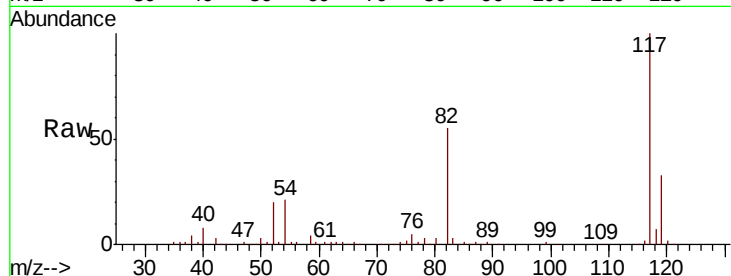




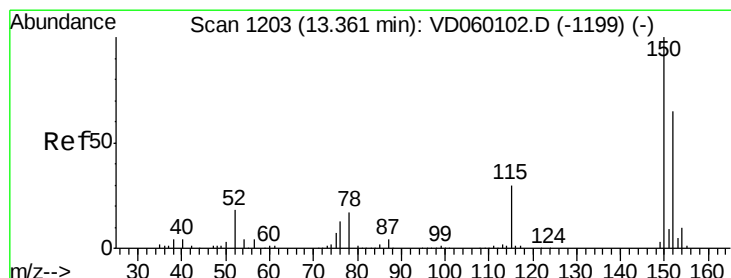
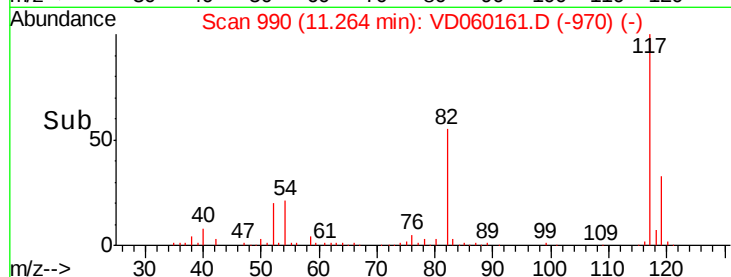
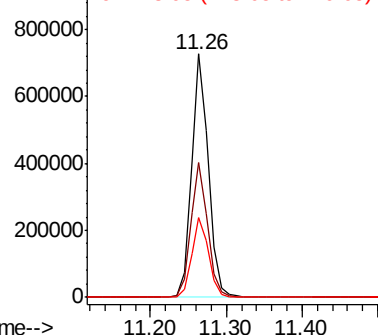
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.26 min Scan# 990  
Delta R.T. -0.00 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

Instrument :  
MSVOA\_D  
ClientSampleID :  
FL-PIT-5

Tot Ion:117 Resp: 1136512  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.4 65.2  
119 33.0 26.0 39.0

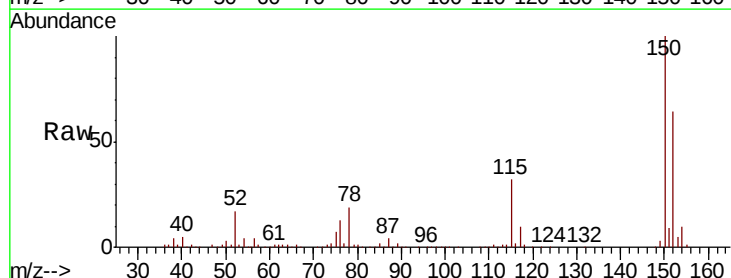


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.36 min Scan# 1203  
Delta R.T. -0.00 min  
Lab File: VD060161.D  
Acq: 9 Oct 2018 20:01

Tgt Ion:152 Resp: 531498  
Ion Ratio Lower Upper  
152 100  
115 49.1 27.1 81.2  
150 155.4 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

