

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\  
 Data File : VF059585.D  
 Acq On : 20 Jul 2018 5:09  
 Operator : VA/AP  
 Sample : J4062-37  
 Misc : 9.46g/5mL/MSVOA F/SOIL  
 ALS Vial : 77 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-10

Quant Time: Jul 20 07:36:22 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F071718S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 18 04:09:10 2018  
 Response via : Initial Calibration

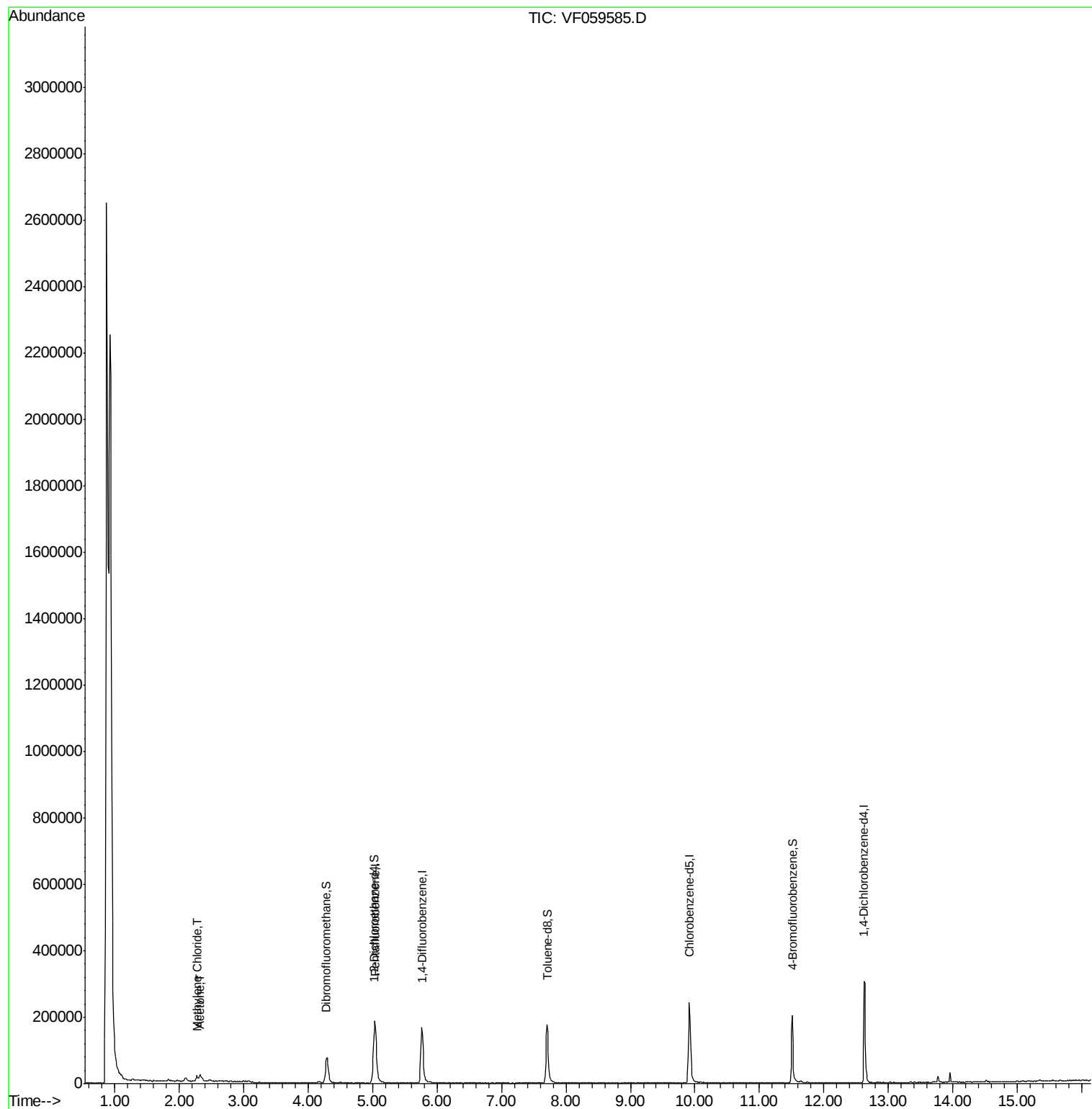
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 132930   | 50.00  | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 186688   | 50.00  | ug/l   | -0.02    |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 171381   | 50.00  | ug/l   | -0.02    |
| 72) 1,4-Dichlorobenzene-d4  | 12.62 | 152  | 88014    | 50.00  | ug/l   | -0.02    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 82211    | 39.77  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 79.54% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 74198    | 45.89  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.78% |          |
| 50) Toluene-d8              | 7.71  | 98   | 154404   | 37.91  | ug/l   | -0.02    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 75.82% |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 74255    | 34.75  | ug/l   | -0.01    |
| Spiked Amount 50.000        |       |      | Recovery | =      | 69.50% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.32  | 43   | 38207    | 108.09 | ug/l   | # 92     |
| 20) Methylene Chloride      | 2.27  | 84   | 6840     | 3.03   | ug/l   | 96       |

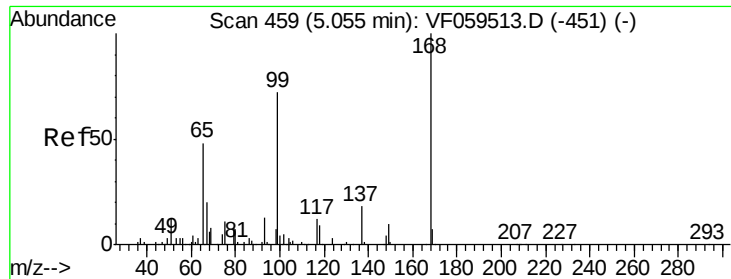
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071918\  
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TP-10

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F071718S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 18 04:09:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

Instrument :

MSVOA\_F

ClientSampleId :

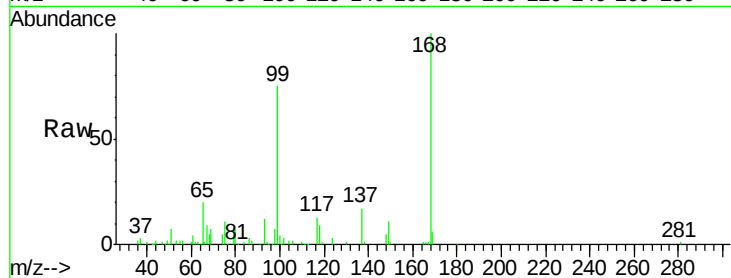
TP-10

Tot Ion:168 Resp: 132930

Ion Ratio Lower Upper

168 100

99 75.0 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

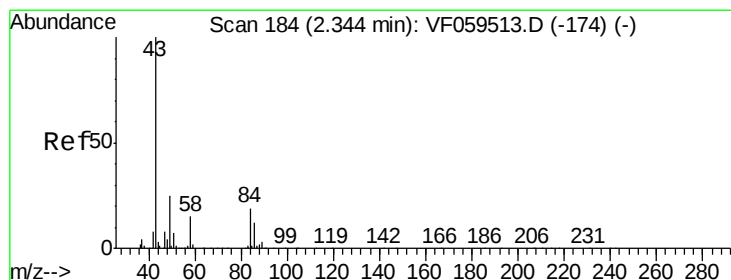
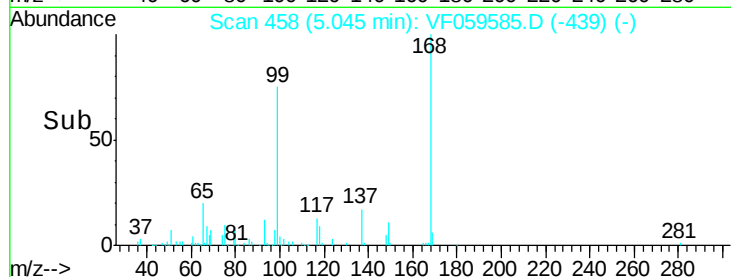
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#16

Acetone

Concen: 108.09 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.02 min

Lab File: VF059585.D

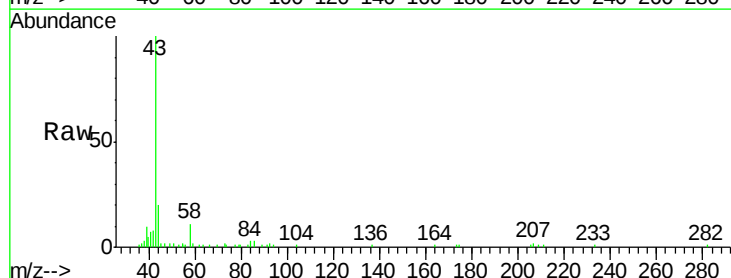
Acq: 20 Jul 2018 5:09

Tgt Ion: 43 Resp: 38207

Ion Ratio Lower Upper

43 100

58 11.5 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.32

15000

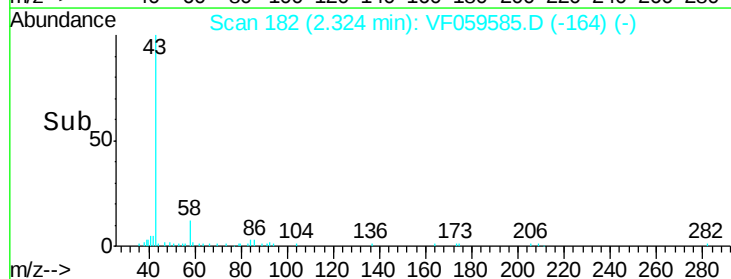
10000

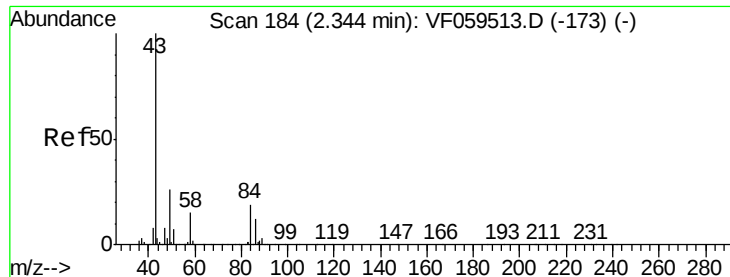
5000

0

2.20 2.30 2.40

Time-->

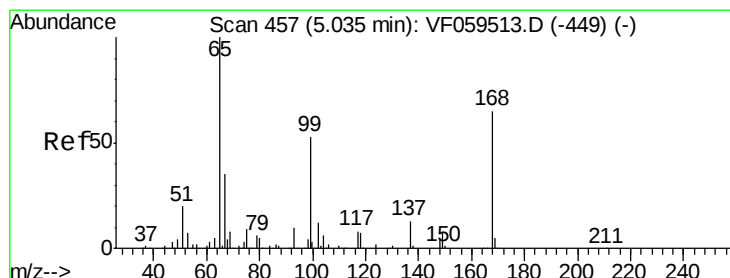
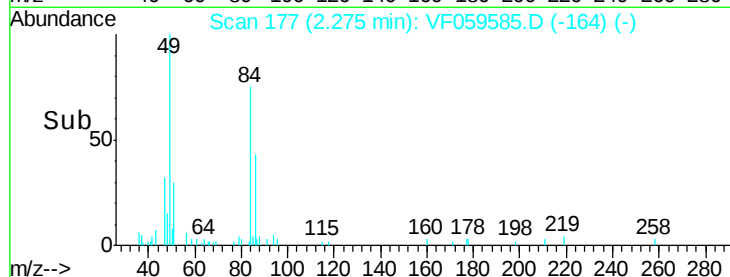
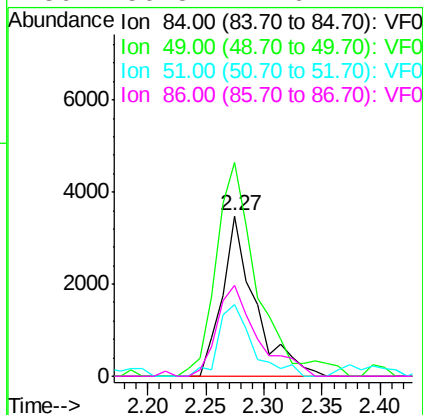
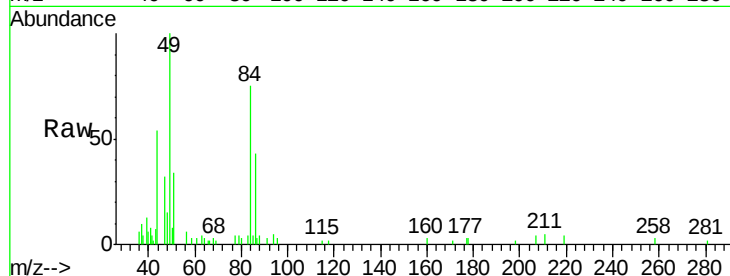




#20  
Methvlene Chloride  
Concen: 3.03 ug/l  
RT: 2.27 min Scan# 177  
Delta R.T. -0.07 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

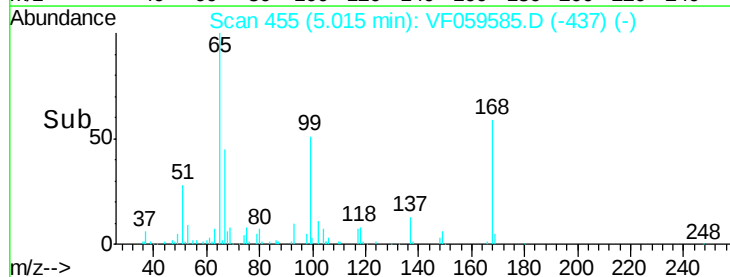
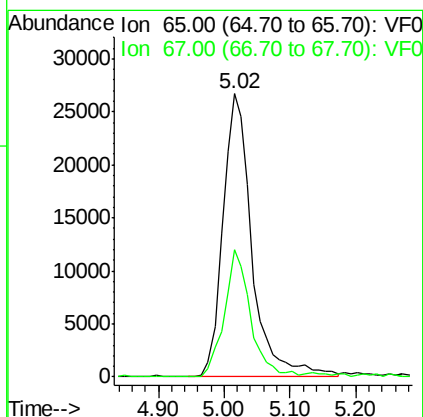
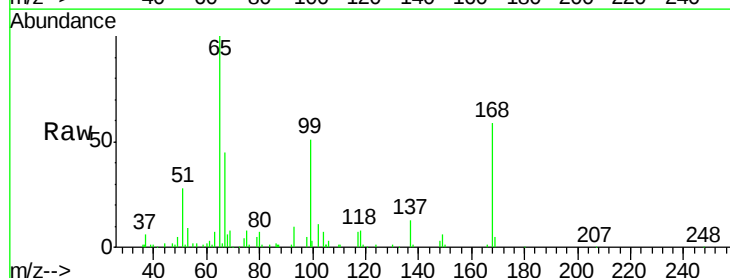
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-10

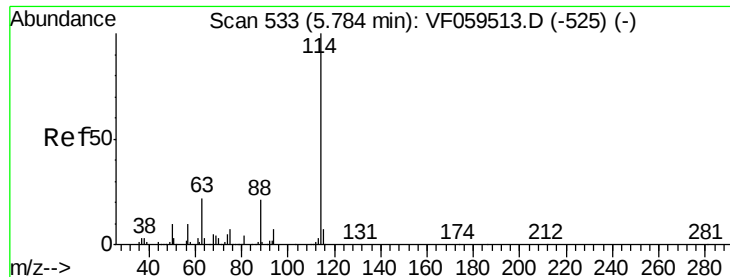
Tot Ion: 84 Resp: 6840  
Ion Ratio Lower Upper  
84 100  
49 133.3 109.4 164.2  
51 44.7 30.5 45.7  
86 56.8 47.6 71.4



#33  
1,2-Dichloroethane-d4  
Concen: 39.77 ug/l  
RT: 5.02 min Scan# 455  
Delta R.T. -0.02 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

Tgt Ion: 65 Resp: 82211  
Ion Ratio Lower Upper  
65 100  
67 45.1 0.0 91.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

Instrument :

MSVOA\_F

ClientSampleId :

TP-10

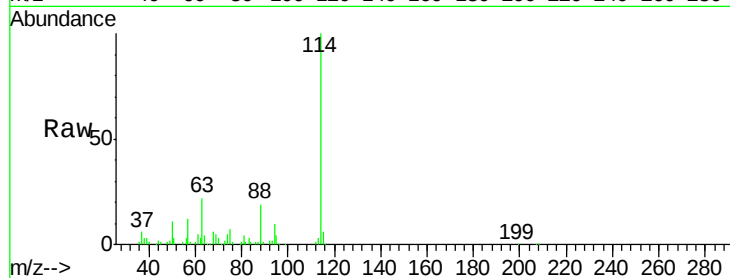
Tot Ion:114 Resp: 186688

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.8

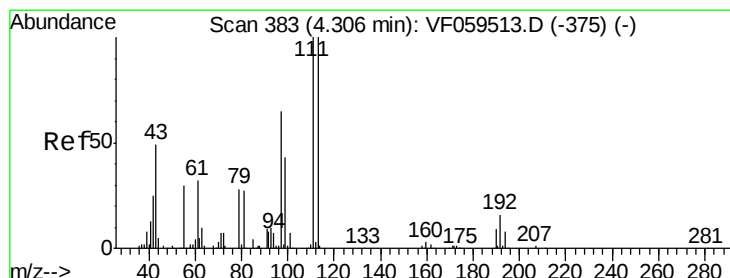
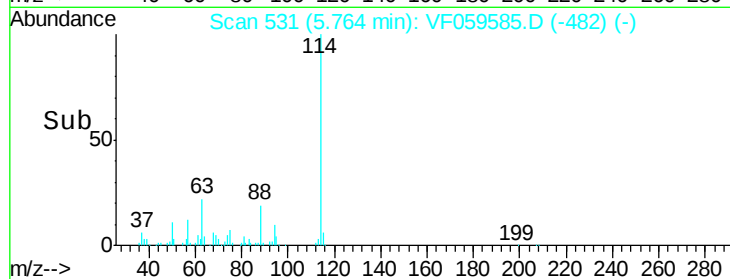
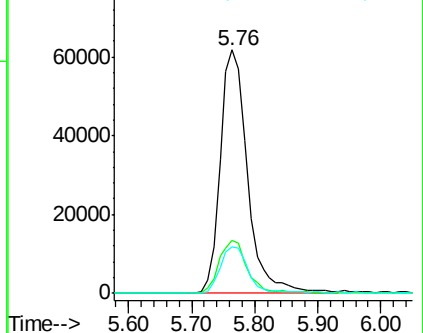
88 18.9 0.0 42.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 45.89 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059585.D

Acq: 20 Jul 2018 5:09

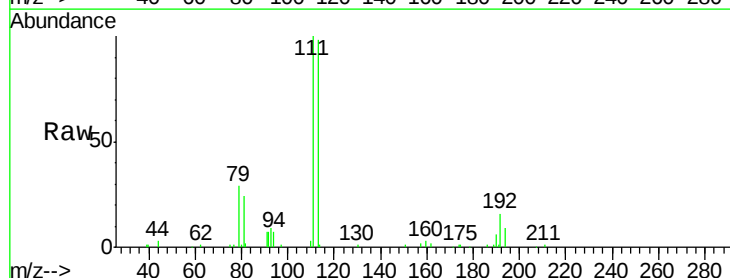
Tgt Ion:113 Resp: 74198

Ion Ratio Lower Upper

113 100

111 101.6 80.3 120.5

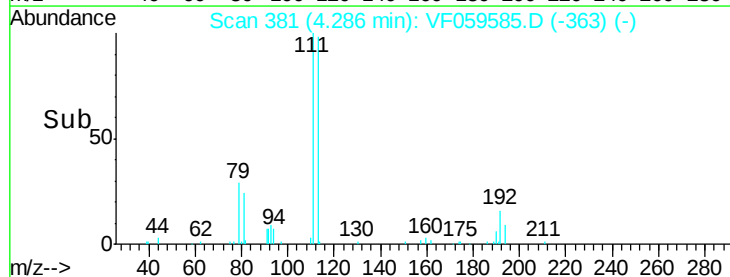
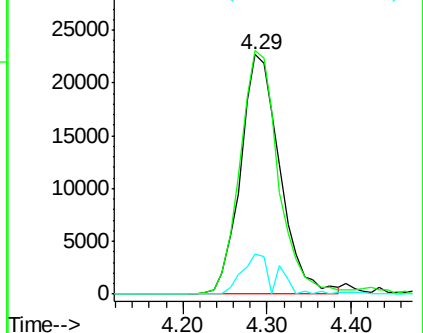
192 16.6 13.1 19.7

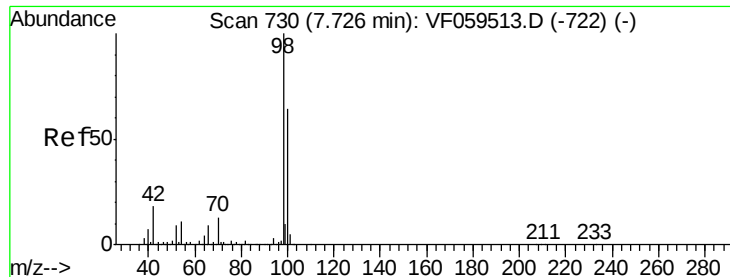


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

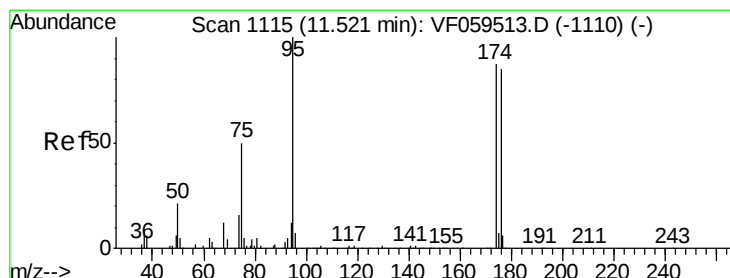
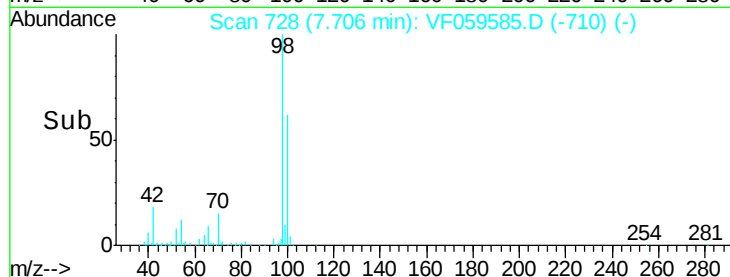
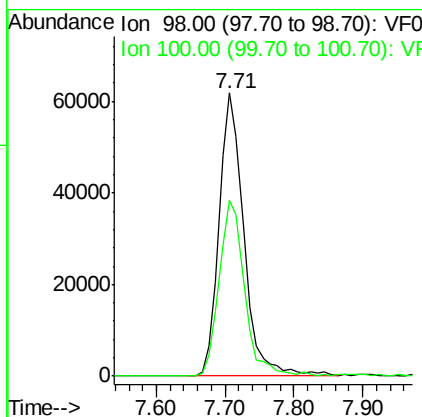
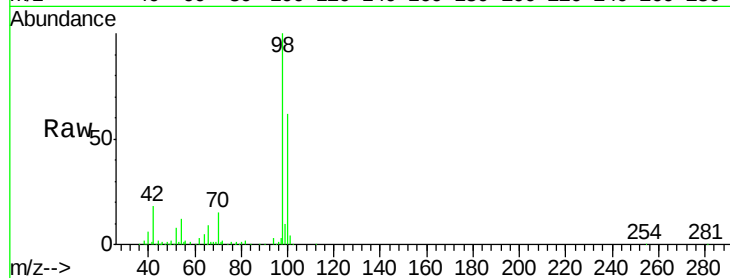




#50  
Toluene-d8  
Concen: 37.91 ug/l  
RT: 7.71 min Scan# 728  
Delta R.T. -0.02 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

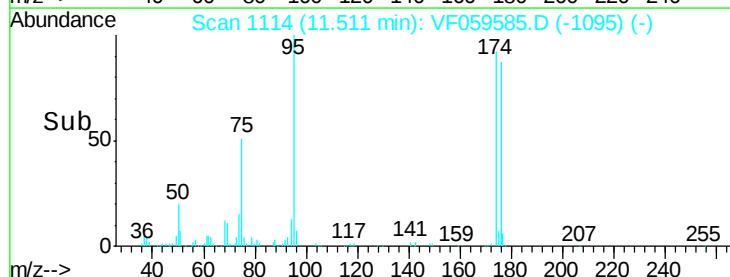
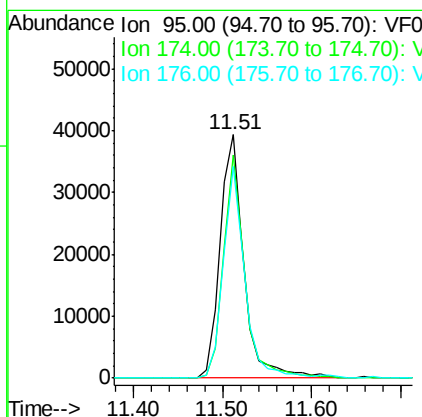
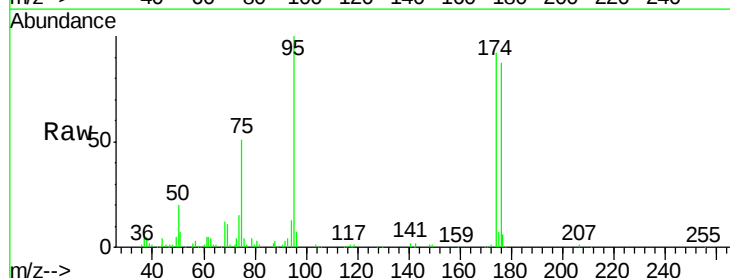
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-10

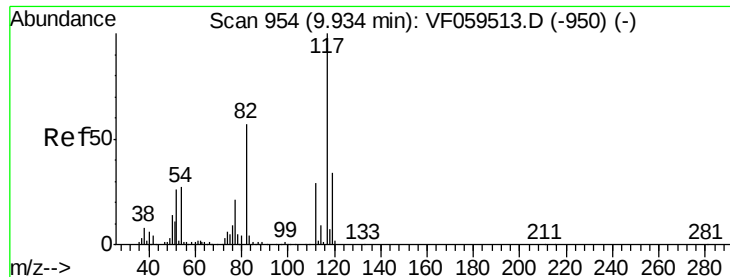
Tot Ion: 98 Resp: 154404  
Ion Ratio Lower Upper  
98 100  
100 62.1 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 34.75 ug/l  
RT: 11.51 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

Tgt Ion: 95 Resp: 74255  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 174.4  
176 87.0 0.0 169.4

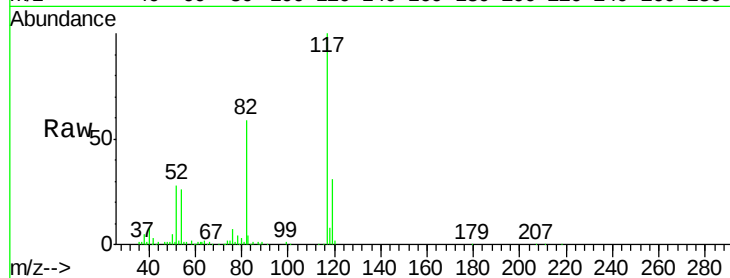




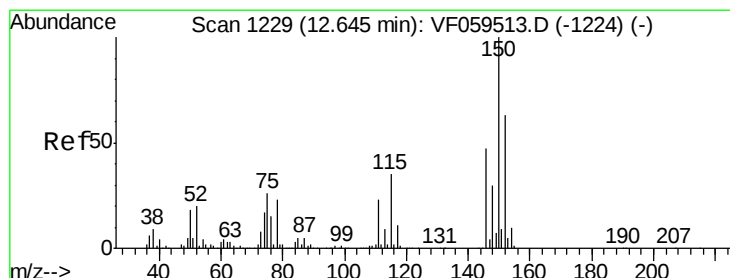
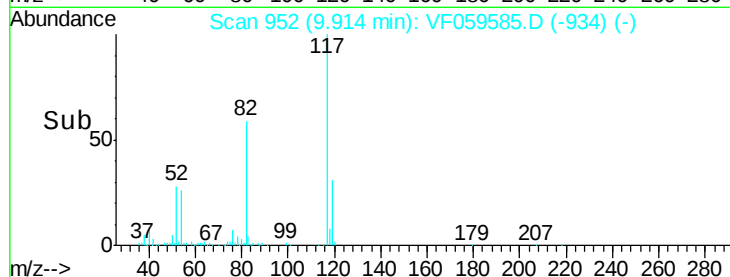
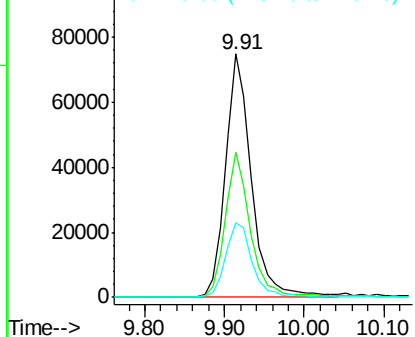
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. -0.02 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-10

Tot Ion:117 Resp: 171381  
Ion Ratio Lower Upper  
117 100  
82 59.4 46.1 69.1  
119 30.6 27.2 40.8

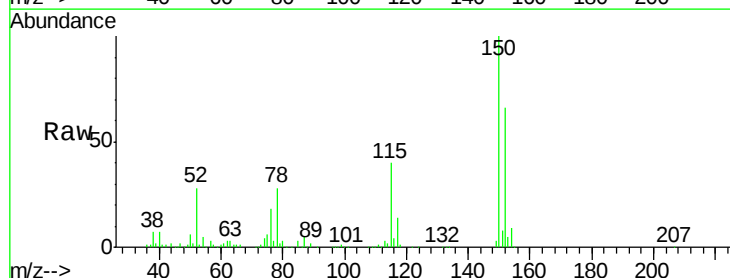


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 119.00 (118.70 to 119.70): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.62 min Scan# 1227  
Delta R.T. -0.02 min  
Lab File: VF059585.D  
Acq: 20 Jul 2018 5:09

Tgt Ion:152 Resp: 88014  
Ion Ratio Lower Upper  
152 100  
115 59.7 27.8 83.3  
150 150.4 0.0 318.4



Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V

