

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\  
 Data File : VY003357.D  
 Acq On : 27 Jul 2020 15:51  
 Operator : SY/MD  
 Sample : L3434-01  
 Misc : 6.49G/5ML/MSVOA Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 11986

Quant Time: Jul 28 05:26:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

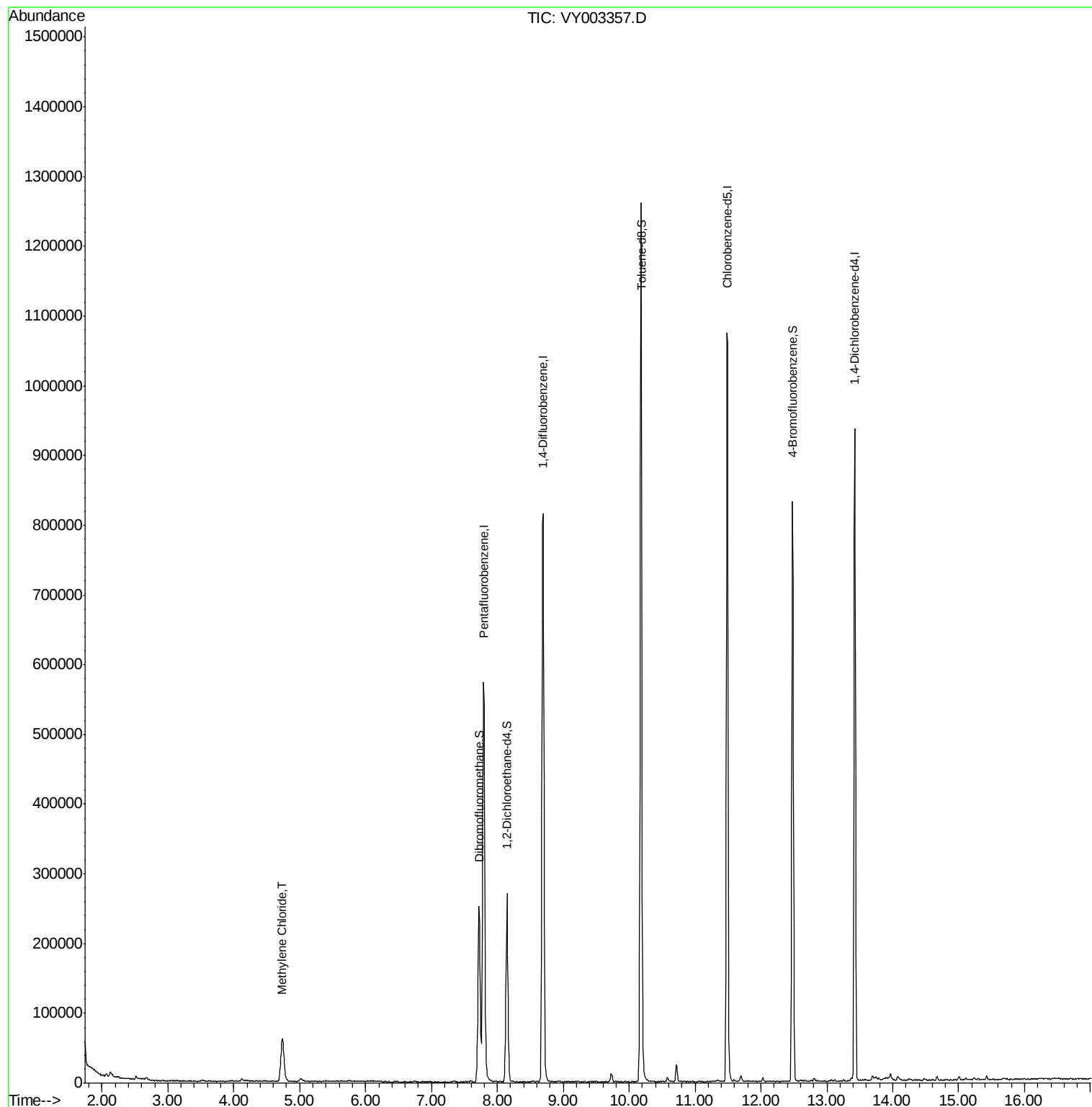
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.79   | 168  | 482897   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69   | 114  | 726175   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49  | 117  | 618497   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42  | 152  | 244132   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65   | 206975   | 50.78 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 101.56% |           |
| 35) Dibromofluoromethane    | 7.72   | 113  | 179890   | 43.05 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 86.10%  |           |
| 50) Toluene-d8              | 10.18  | 98   | 860903   | 55.41 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 110.82% |           |
| 62) 4-Bromofluorobenzene    | 12.48  | 95   | 240932   | 42.93 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 85.86%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 20) Methylene Chloride      | 4.74   | 84   | 52942    | 6.811 | ug/l    | Qvalue 96 |

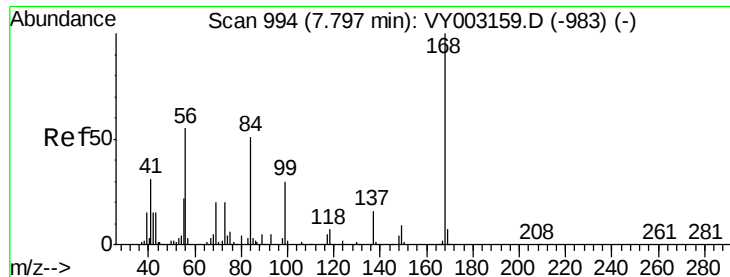
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072720\  
Data File : VY003357.D  
Acq On : 27 Jul 2020 15:51  
Operator : SY/MD  
Sample : L3434-01  
Misc : 6.49G/5ML/MSVOA Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
11986

Quant Time: Jul 28 05:26:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

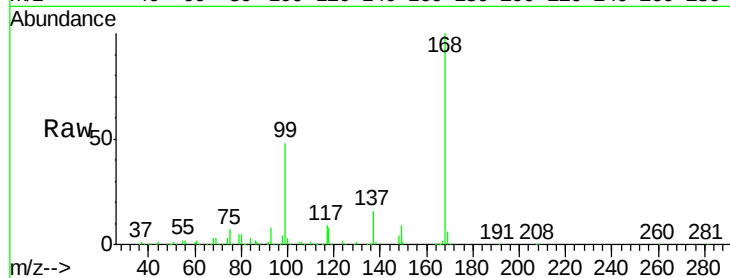
11986

Tot Ion:168 Resp: 482897

Ion Ratio Lower Upper

168 100

99 48.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003357.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003357.D (-945) (-)

7.79

250000

200000

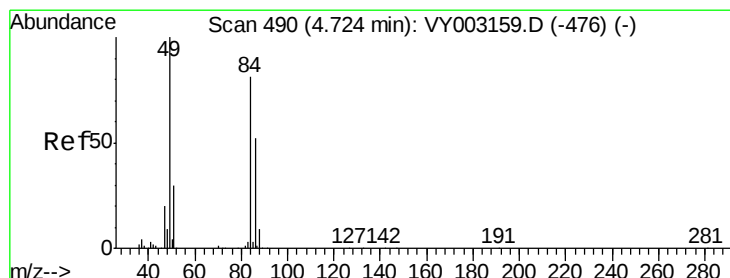
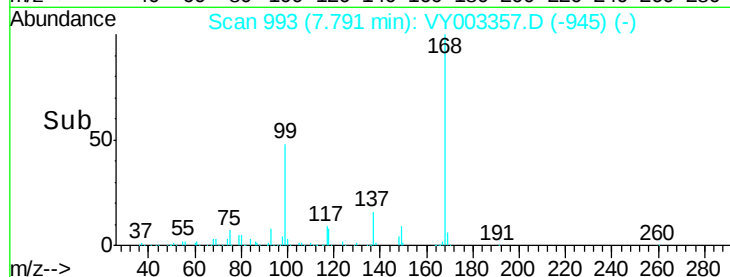
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 6.811 ug/l

RT: 4.74 min Scan# 492

Delta R.T. 0.01 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Tgt Ion: 84 Resp: 52942

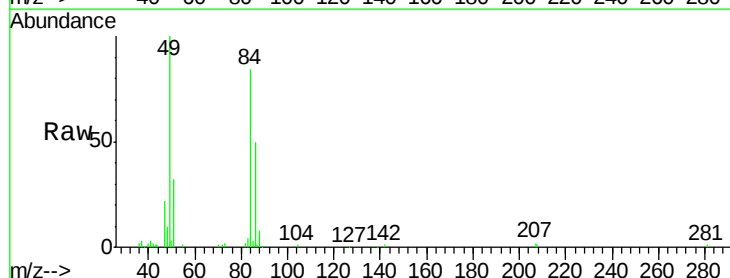
Ion Ratio Lower Upper

84 100

49 118.6 98.2 147.4

51 38.2 29.8 44.6

86 59.7 51.2 76.8



Abundance Ion 83.90 (83.60 to 84.60): VY003357.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY003357.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY003357.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY003357.D (-441) (-)

4.74

30000

25000

20000

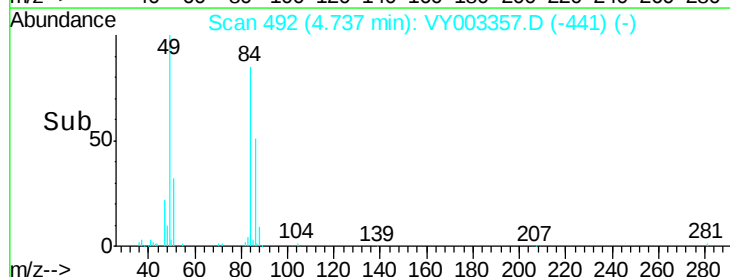
15000

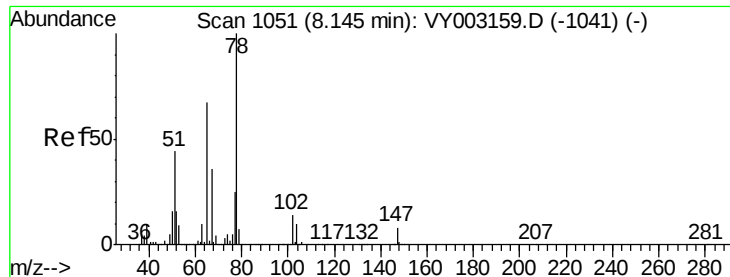
10000

5000

0

Time-->

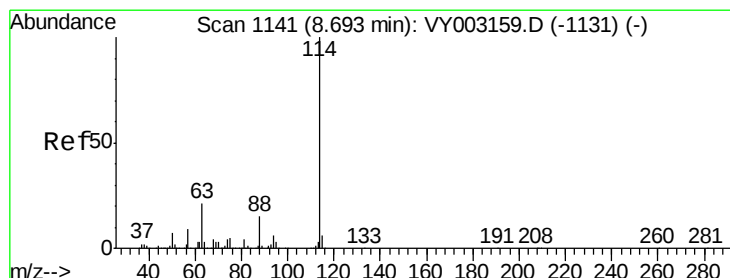
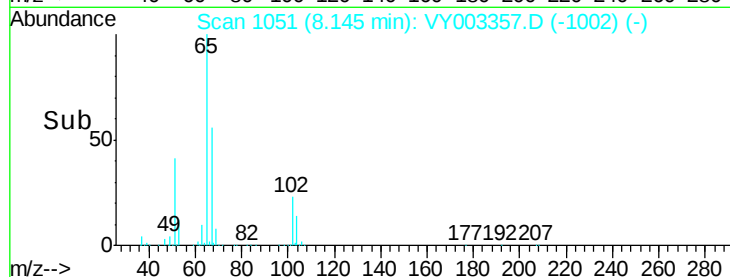
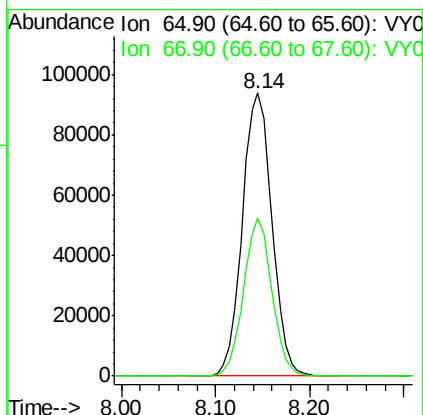
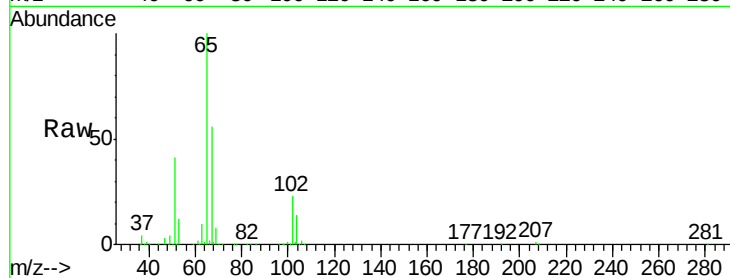




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.781 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VY003357.D  
 Acq: 27 Jul 2020 15:51

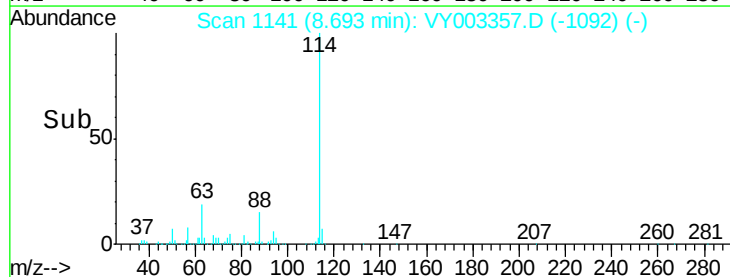
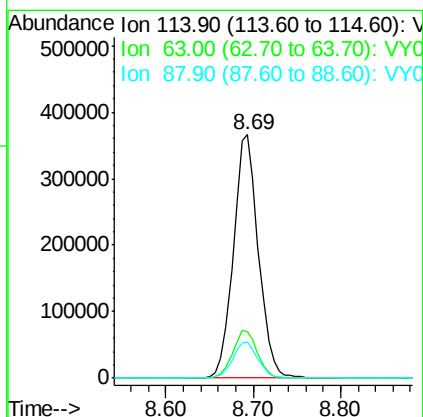
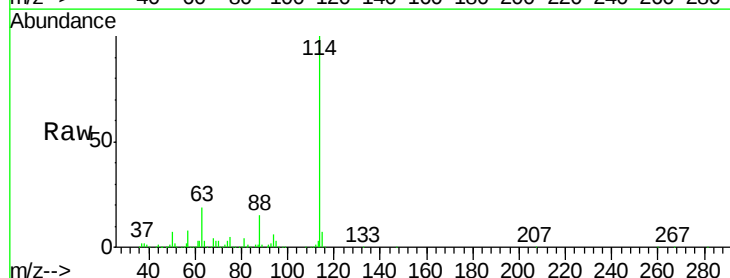
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 11986

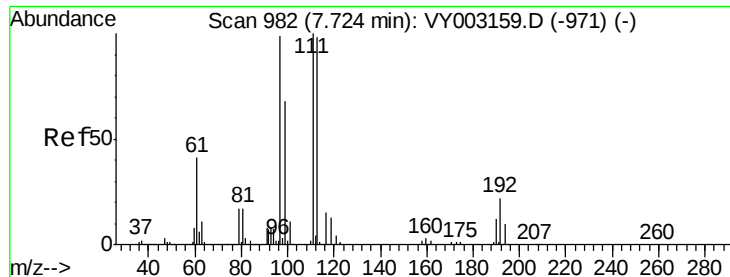
Tot Ion: 65 Resp: 206975  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003357.D  
 Acq: 27 Jul 2020 15:51

Tgt Ion: 114 Resp: 726175  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 41.2  
 88 14.8 0.0 30.2

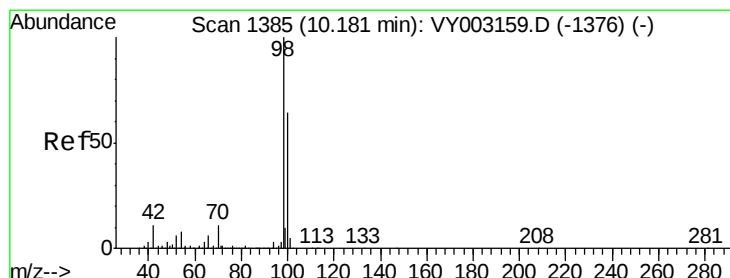
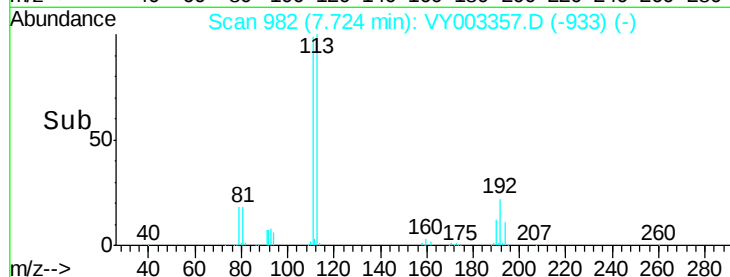
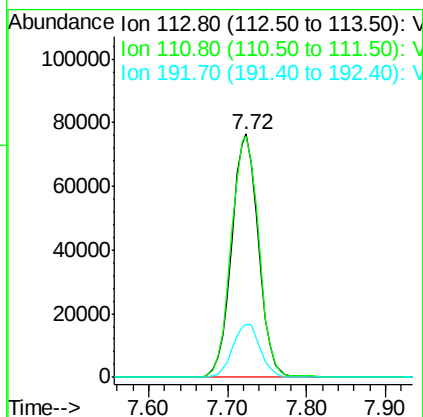
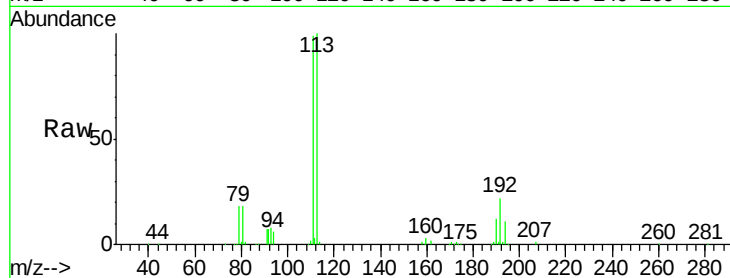




#35  
Dibromofluoromethane  
Concen: 43.047 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. 0.00 min  
Lab File: VY003357.D  
Acq: 27 Jul 2020 15:51

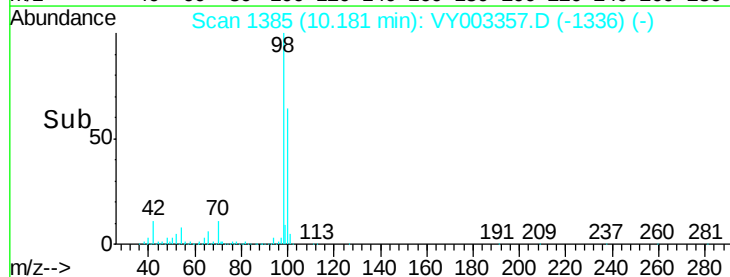
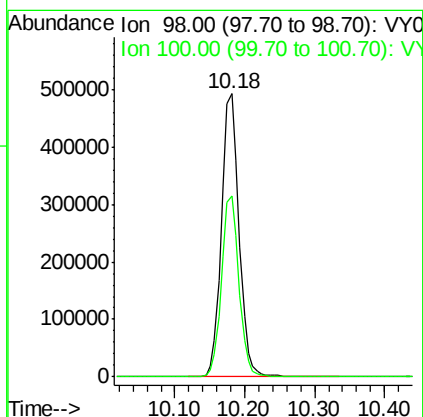
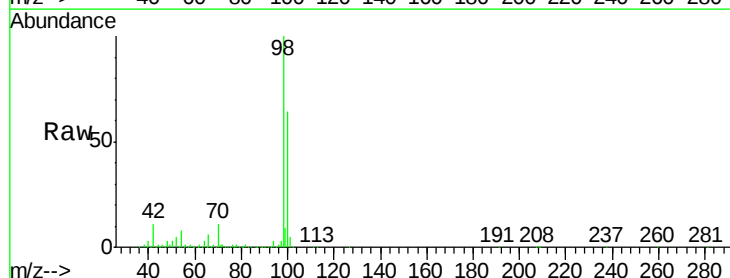
Instrument :  
MSVOA\_Y  
ClientSampleId :  
11986

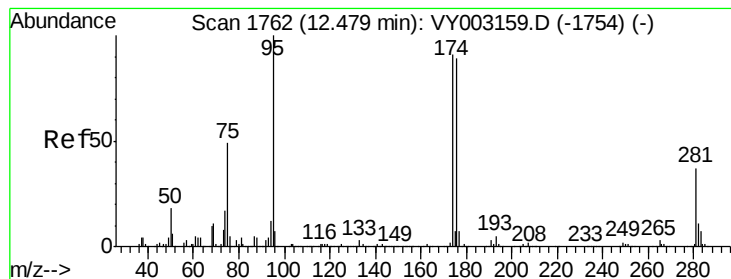
Tot Ion:113 Resp: 179890  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.1 123.1  
192 22.4 18.8 28.2



#50  
Toluene-d8  
Concen: 55.411 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003357.D  
Acq: 27 Jul 2020 15:51

Tgt Ion: 98 Resp: 860903  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 42.926 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

11986

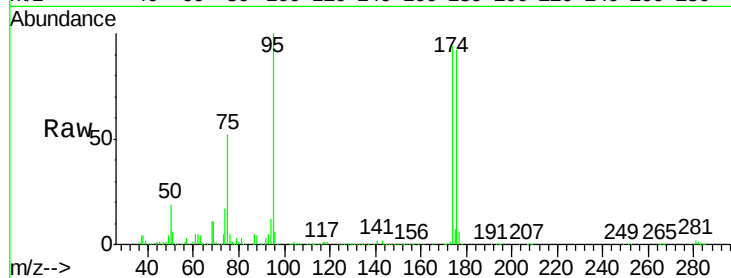
Tot Ion: 95 Resp: 240932

Ion Ratio Lower Upper

95 100

174 95.9 0.0 190.6

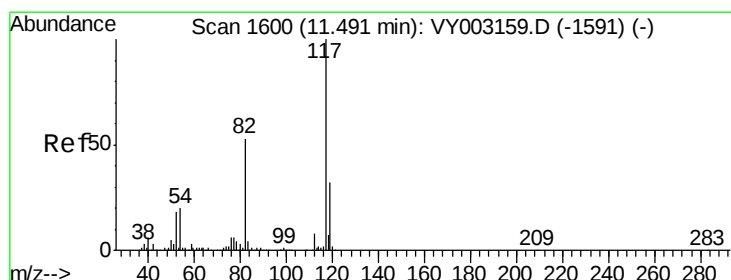
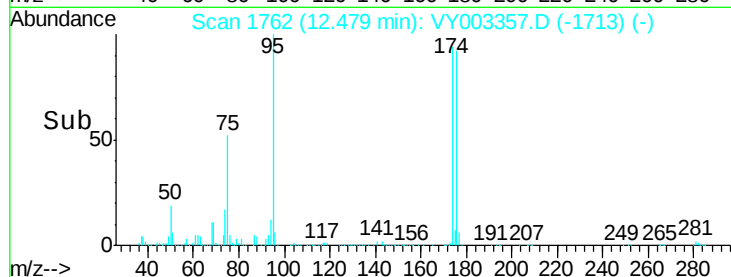
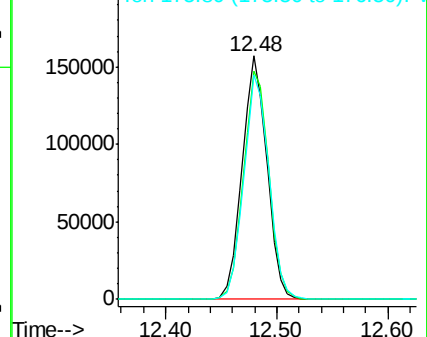
176 93.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003357.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY003357.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY003357.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

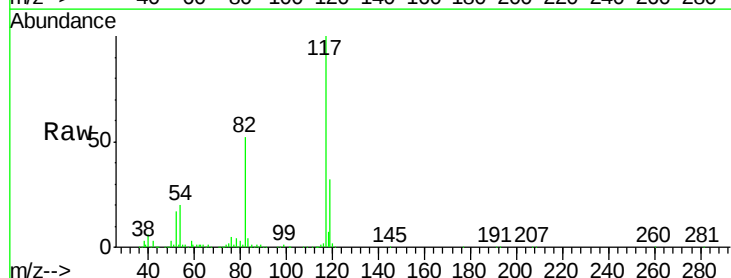
Tgt Ion: 117 Resp: 618497

Ion Ratio Lower Upper

117 100

82 52.5 42.0 63.0

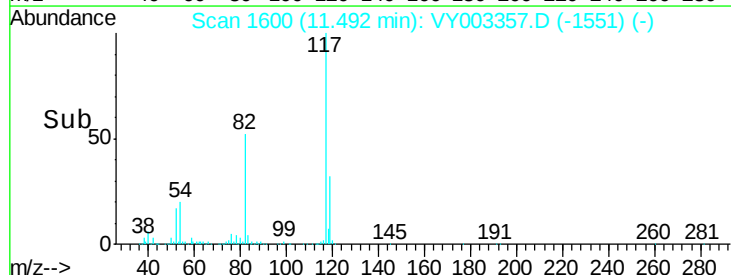
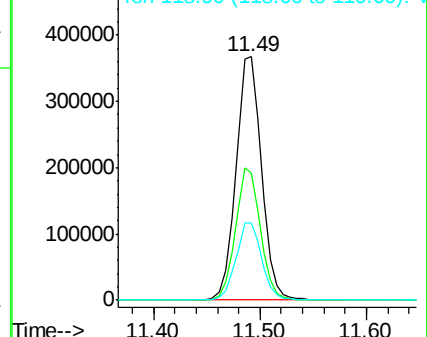
119 31.9 25.5 38.3

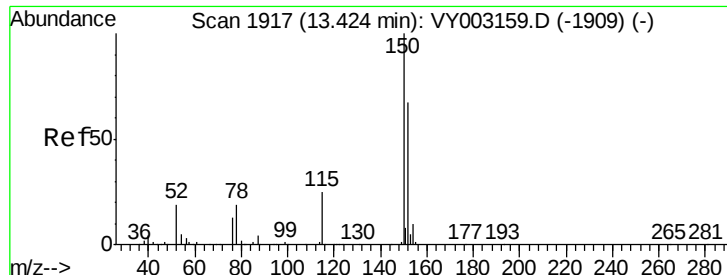


Abundance Ion 116.90 (116.60 to 117.60): VY003357.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003357.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003357.D (-1591) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003357.D

Acq: 27 Jul 2020 15:51

Instrument :

MSVOA\_Y

ClientSampleId :

11986

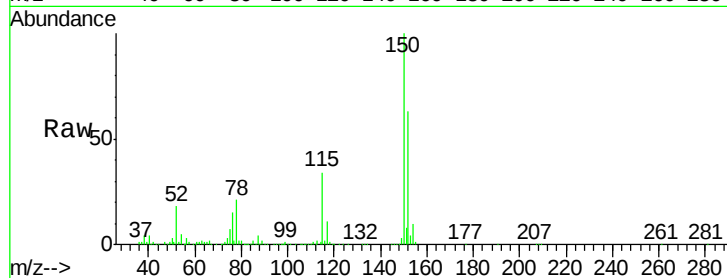
Tot Ion:152 Resp: 244132

Ion Ratio Lower Upper

152 100

115 53.9 26.9 80.7

150 155.3 0.0 338.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

