

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\  
 Data File : VY002924.D  
 Acq On : 18 Jun 2020 17:12  
 Operator : SY/MD  
 Sample : L3056-01  
 Misc : 5.20G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SAMPLE-A-LOT-11

Quant Time: Jun 19 05:50:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

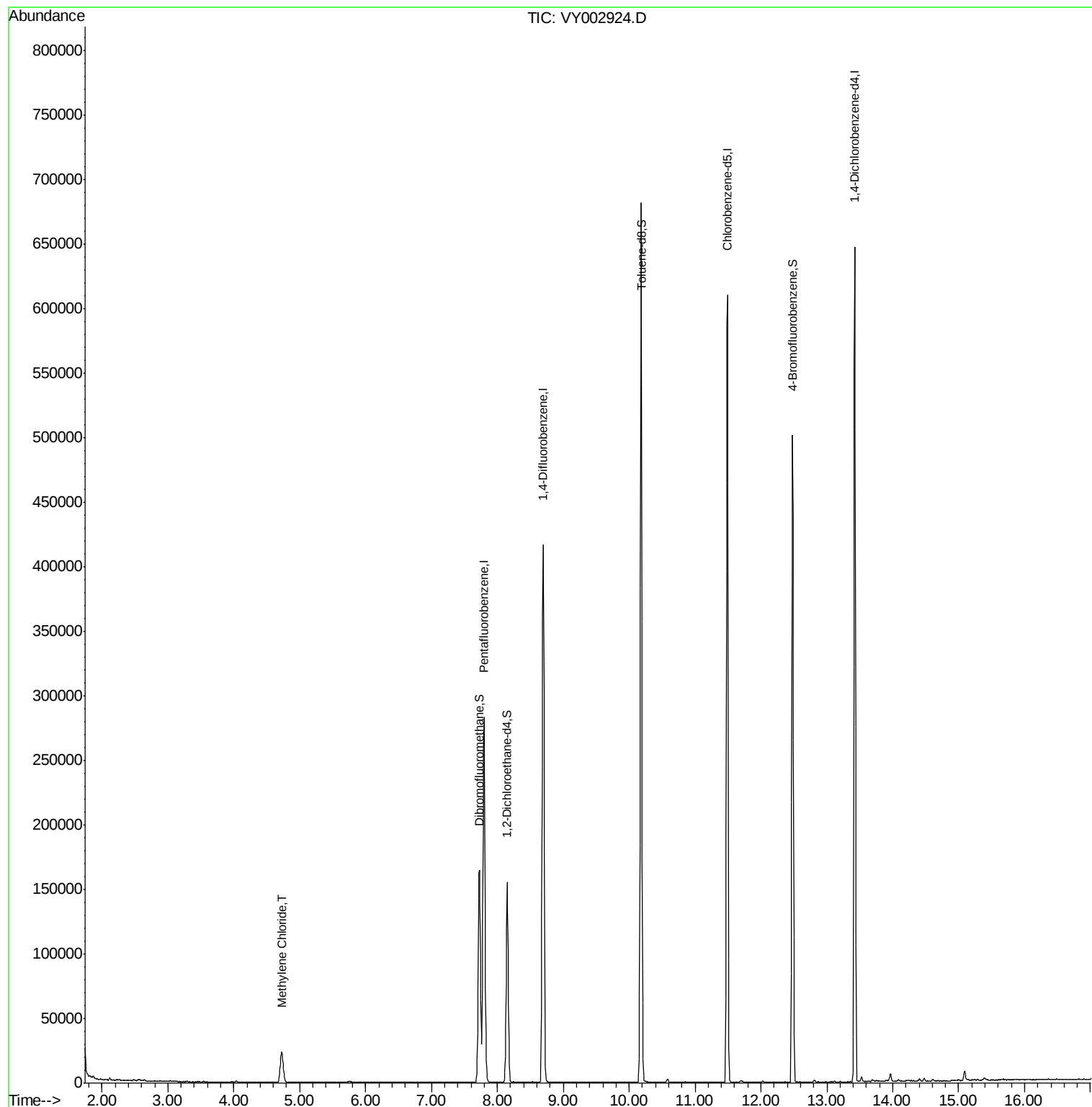
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 235719   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 382718   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 359096   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 173042   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 120724   | 58.98 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.96% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 119389   | 53.23 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.46% |           |
| 50) Toluene-d8              | 10.18 | 98   | 452847   | 49.94 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.88%  |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 149654   | 48.29 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.58%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.72  | 84   | 20145    | 8.589 | ug/l    | Qvalue 98 |

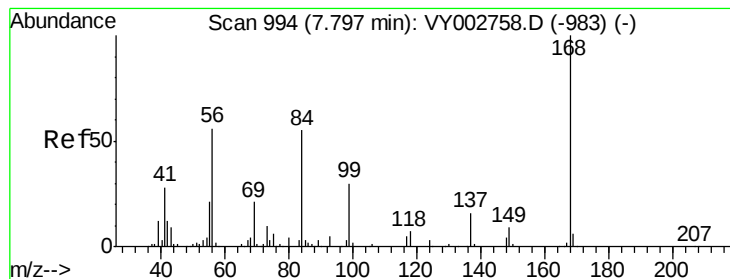
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY061820\  
Data File : VY002924.D  
Acq On : 18 Jun 2020 17:12  
Operator : SY/MD  
Sample : L3056-01  
Misc : 5.20G/5ML/MSVOA Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-A-LOT-11

Quant Time: Jun 19 05:50:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 13:13:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002924.D

Acq: 18 Jun 2020 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

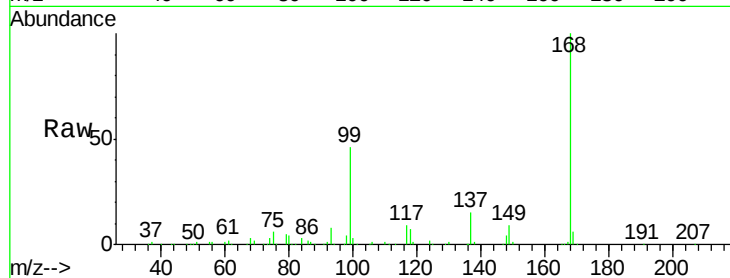
SAMPLE-A-LOT-11

Tot Ion:168 Resp: 235719

Ion Ratio Lower Upper

168 100

99 46.3 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002924.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002924.D (-945) (-)

7.80

120000

100000

80000

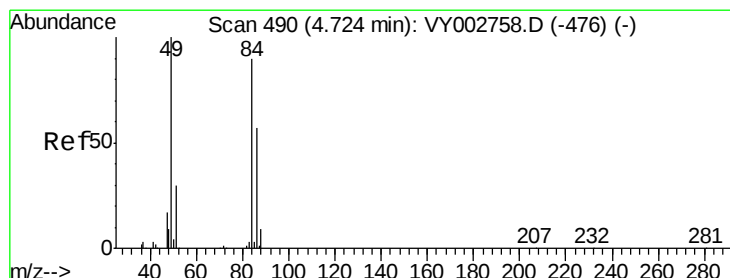
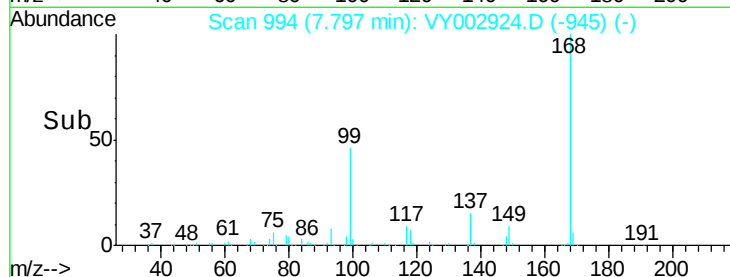
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 8.589 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002924.D

Acq: 18 Jun 2020 17:12

Tgt Ion: 84 Resp: 20145

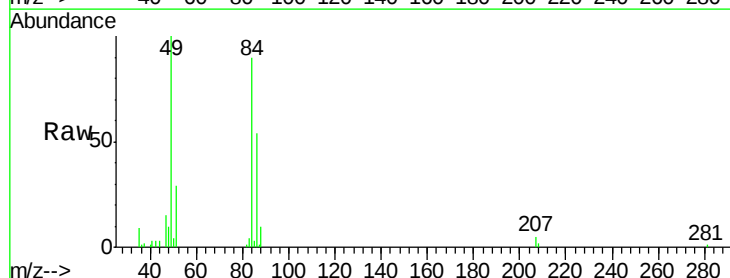
Ion Ratio Lower Upper

84 100

49 111.4 88.5 132.7

51 32.5 26.8 40.2

86 60.3 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VY002924.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002924.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002924.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002924.D (-441) (-)

10000

8000

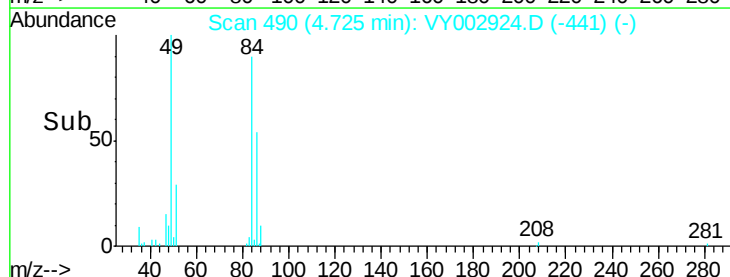
6000

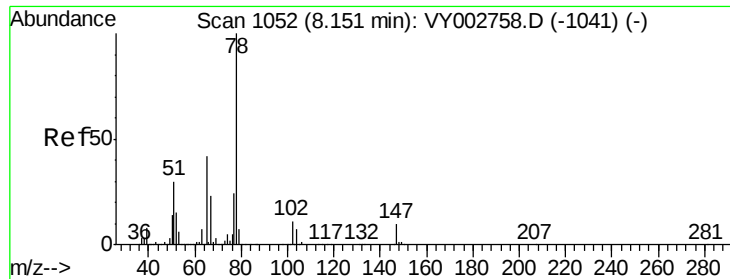
4000

2000

0

Time-->

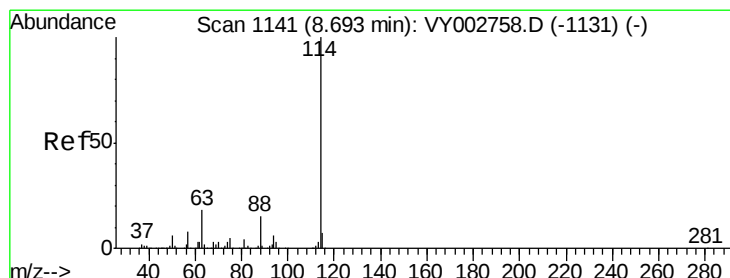
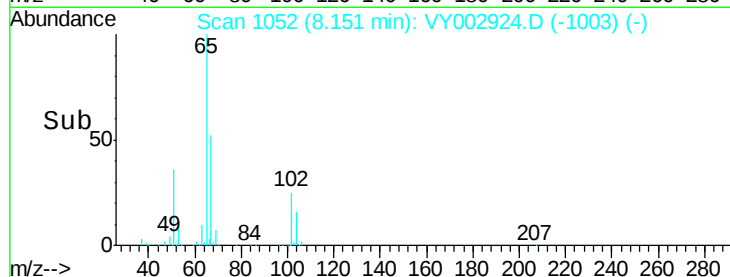
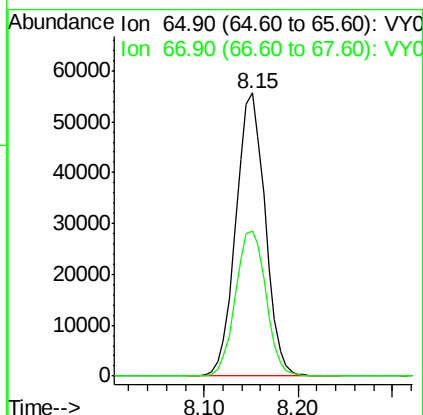
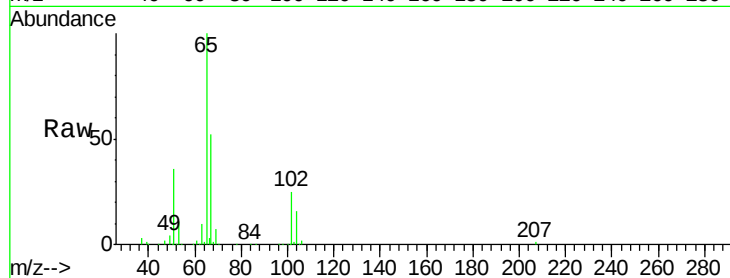




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.985 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY002924.D  
 Acq: 18 Jun 2020 17:12

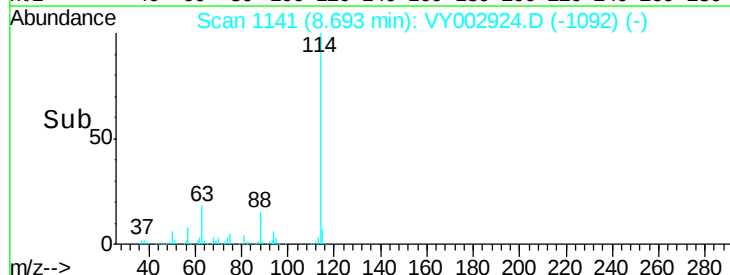
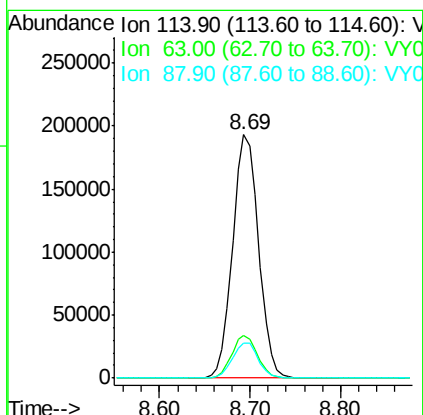
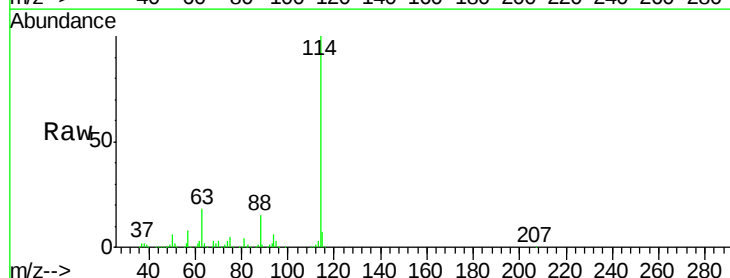
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SAMPLE-A-LOT-11

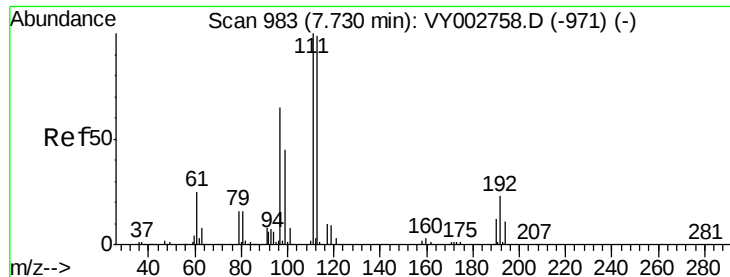
Tot Ion: 65 Resp: 120724  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002924.D  
 Acq: 18 Jun 2020 17:12

Tgt Ion: 114 Resp: 382718  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 35.2  
 88 14.6 0.0 29.2

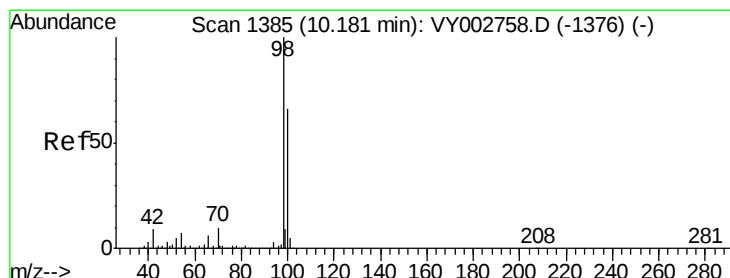
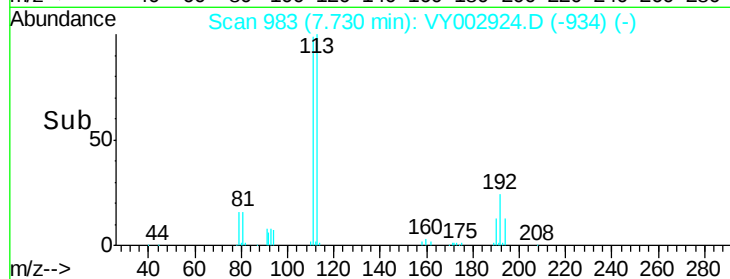
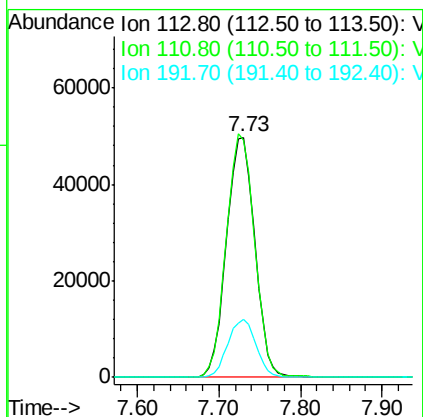
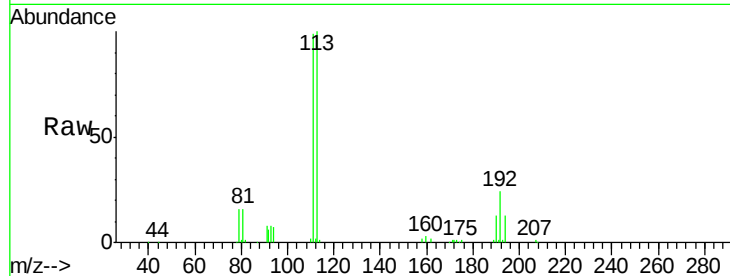




#35  
Dibromofluoromethane  
Concen: 53.229 ug/l  
RT: 7.73 min Scan# 983  
Delta R.T. 0.00 min  
Lab File: VY002924.D  
Acq: 18 Jun 2020 17:12

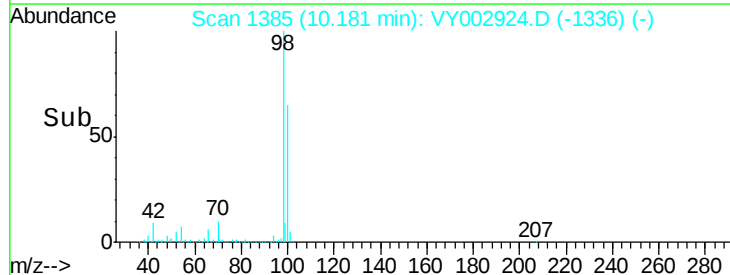
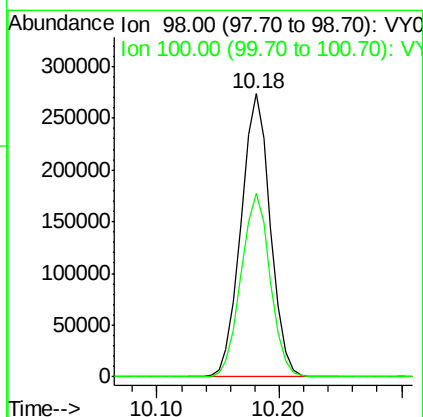
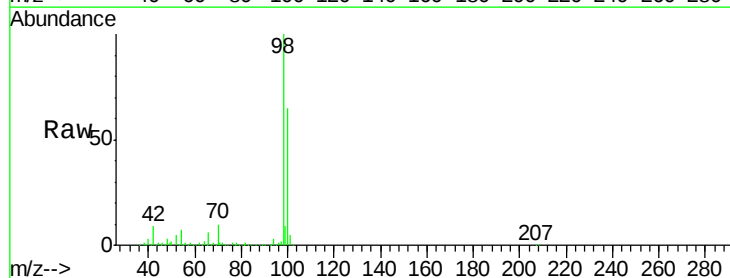
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-A-LOT-11

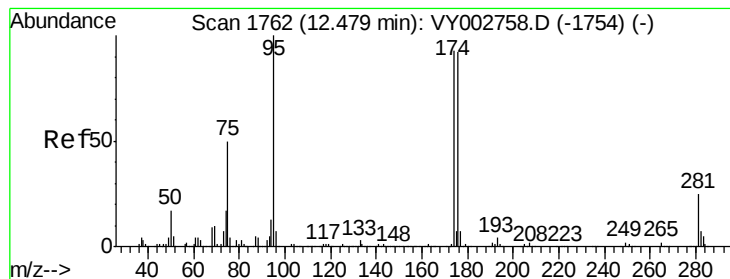
Tot Ion:113 Resp: 119389  
Ion Ratio Lower Upper  
113 100  
111 101.0 82.0 123.0  
192 23.8 18.9 28.3



#50  
Toluene-d8  
Concen: 49.935 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY002924.D  
Acq: 18 Jun 2020 17:12

Tgt Ion: 98 Resp: 452847  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 48.287 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002924.D

Acq: 18 Jun 2020 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-A-LOT-11

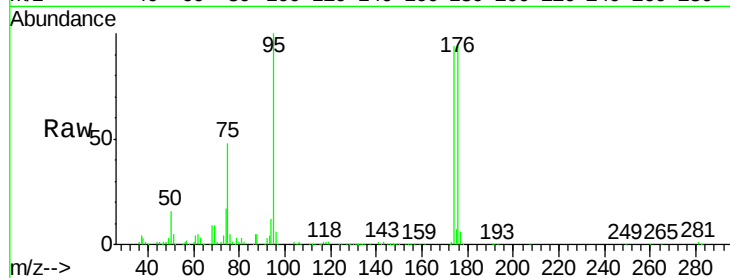
Tot Ion: 95 Resp: 149654

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.2

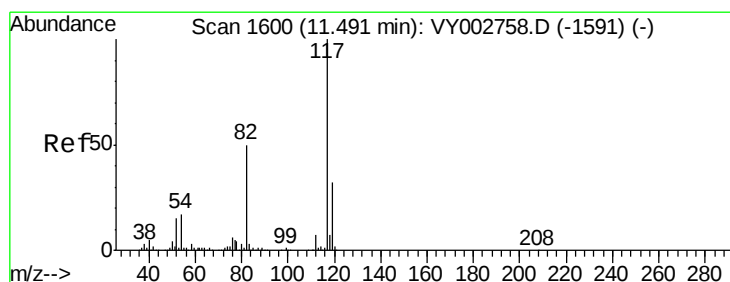
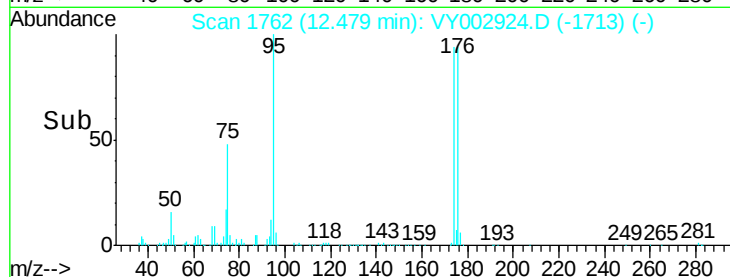
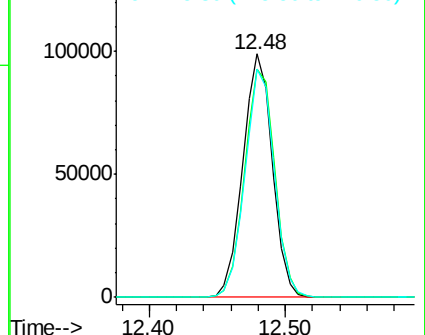
176 93.6 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002924.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002924.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002924.D (-1754) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002924.D

Acq: 18 Jun 2020 17:12

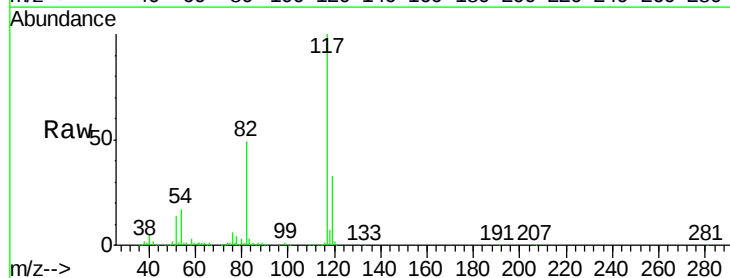
Tgt Ion: 117 Resp: 359096

Ion Ratio Lower Upper

117 100

82 49.4 40.2 60.4

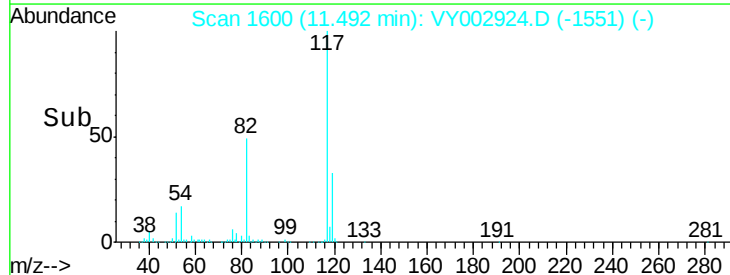
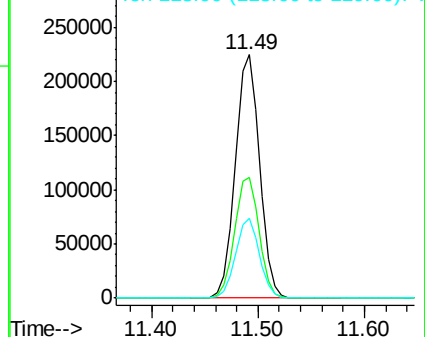
119 32.6 25.8 38.8

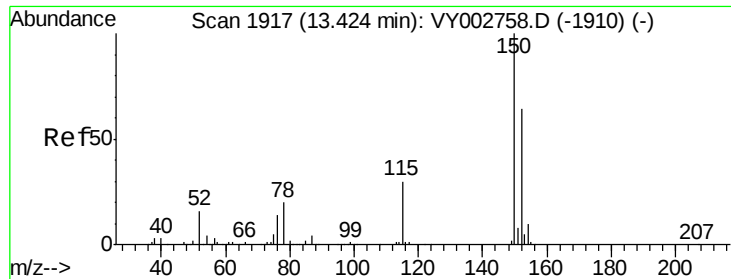


Abundance Ion 116.90 (116.60 to 117.60): VY002924.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002924.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002924.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002924.D

Acq: 18 Jun 2020 17:12

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-A-LOT-11

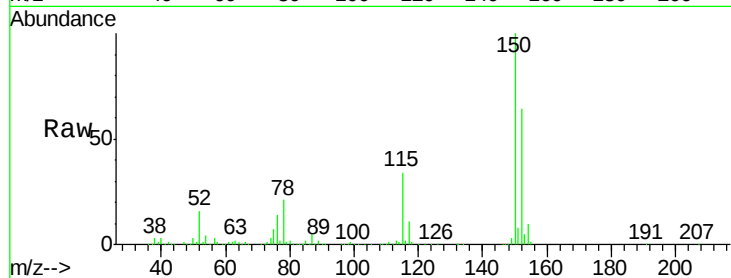
Tot Ion:152 Resp: 173042

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

150 155.0 0.0 344.8



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

