

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111022\  
 Data File : VY011400.D  
 Acq On : 10 Nov 2022 18:54  
 Operator : KP/MD  
 Sample : N5531-13  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-28B

Quant Time: Nov 10 22:18:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 70045    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 112343   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 102949   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 42072    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 50393    | 85.855   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 171.700%# |
| 35) Dibromofluoromethane    | 7.715  | 113   | 51625    | 81.997   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 164.000%# |
| 50) Toluene-d8              | 10.178 | 98    | 180911   | 75.215   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 150.440%# |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 52065    | 62.061   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 124.120%  |

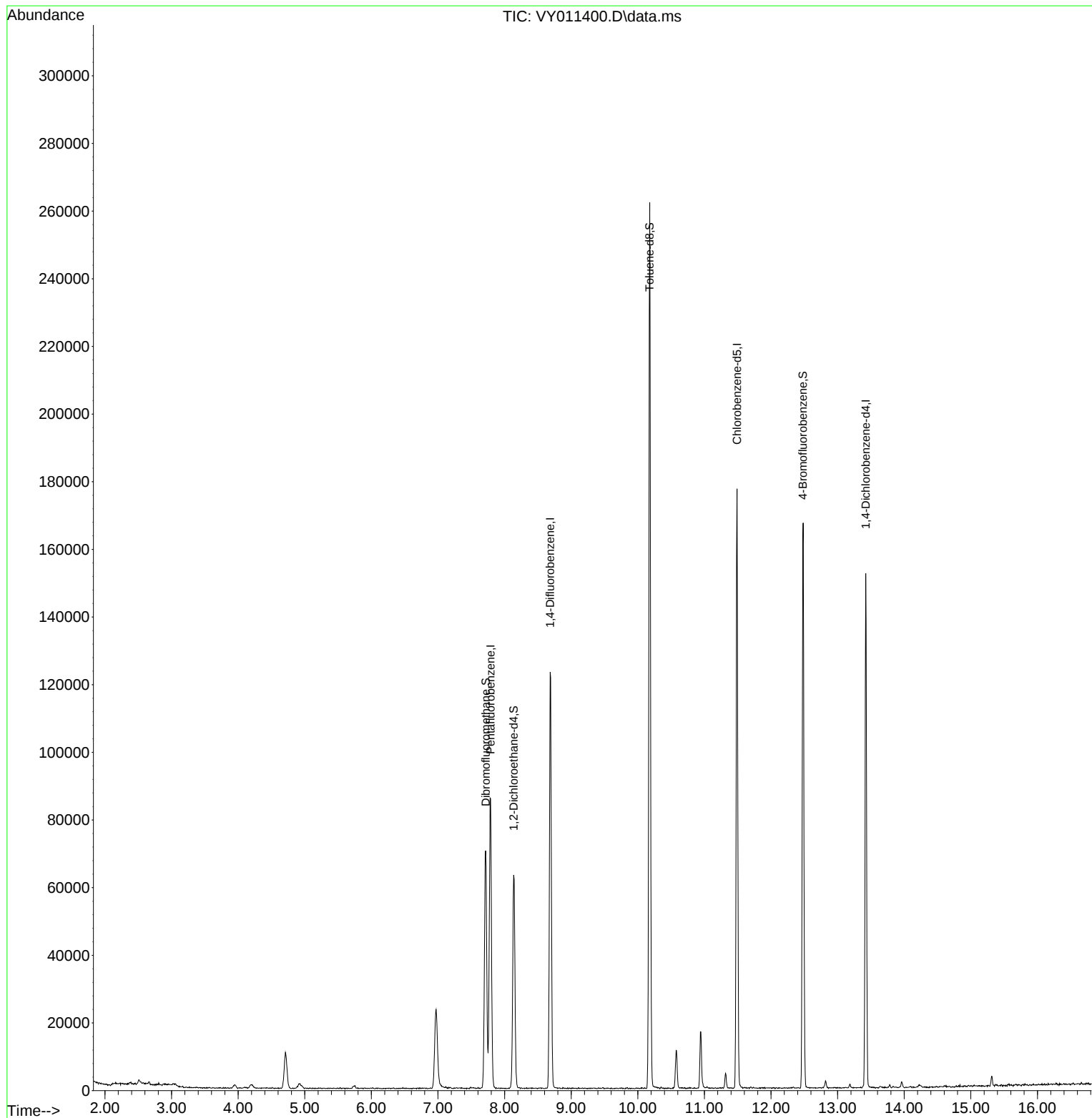
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

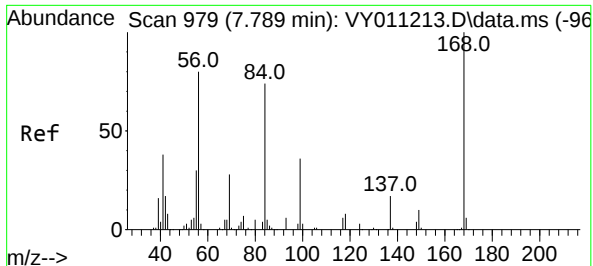
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111022\  
Data File : VY011400.D  
Acq On : 10 Nov 2022 18:54  
Operator : KP/MD  
Sample : N5531-13  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

Quant Time: Nov 10 22:18:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 10 17:47:26 2022  
Response via : Initial Calibration

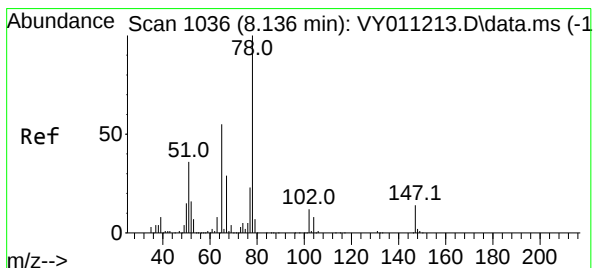
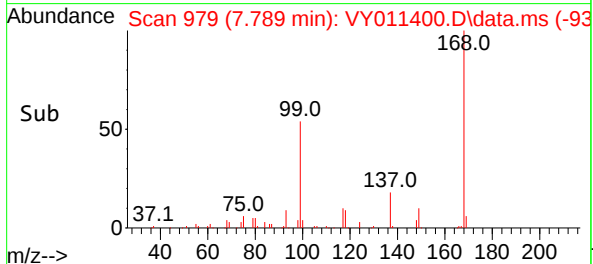
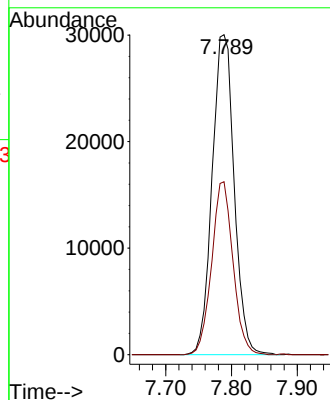
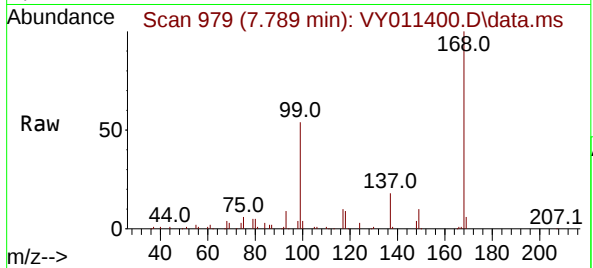




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

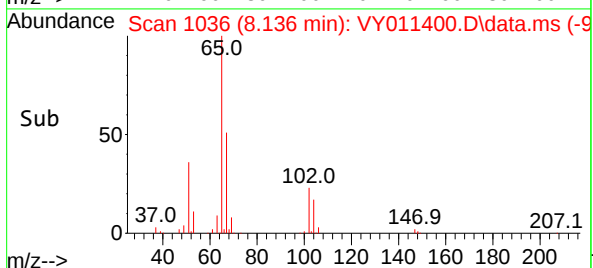
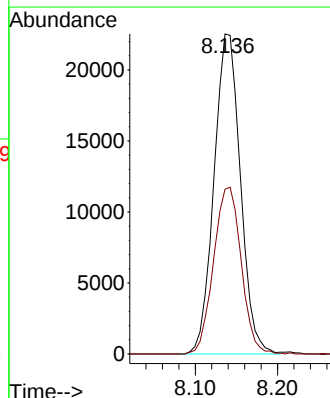
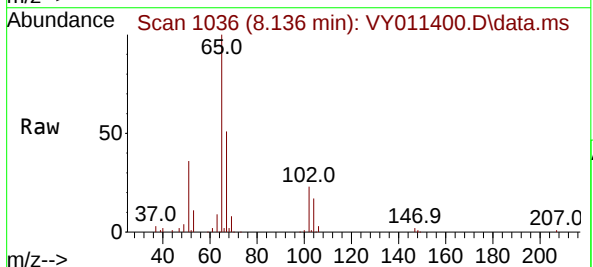
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

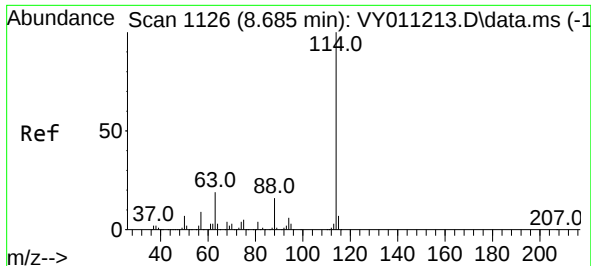
Tgt Ion:168 Resp: 70045  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 85.855 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 65 Resp: 50393  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

Instrument :

MSVOA\_Y

ClientSampleId :

SB-28B

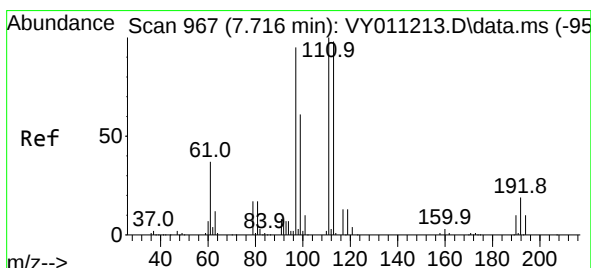
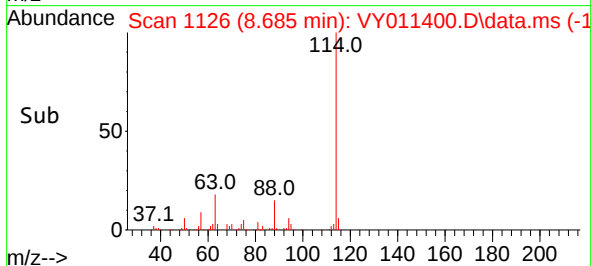
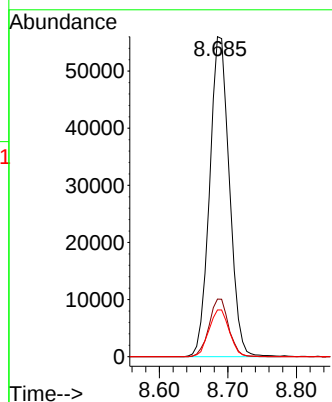
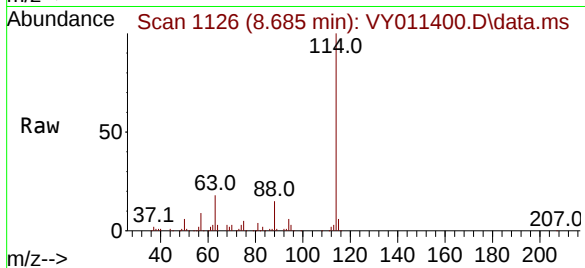
Tgt Ion:114 Resp: 112343

Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 81.997 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

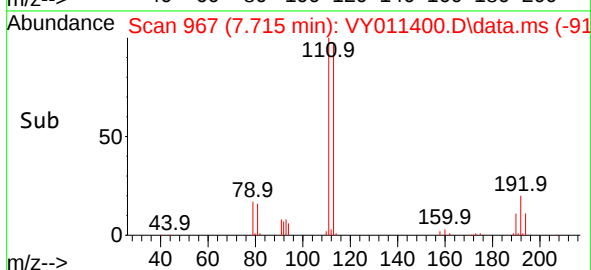
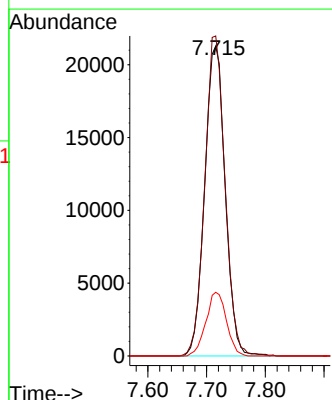
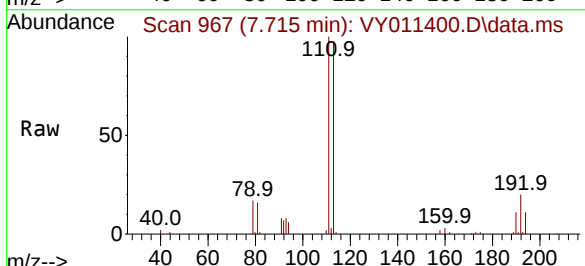
Tgt Ion:113 Resp: 51625

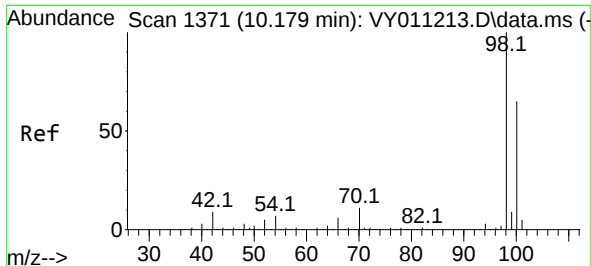
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 20.6 17.6 26.4

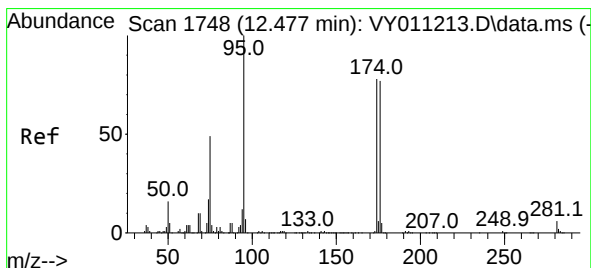
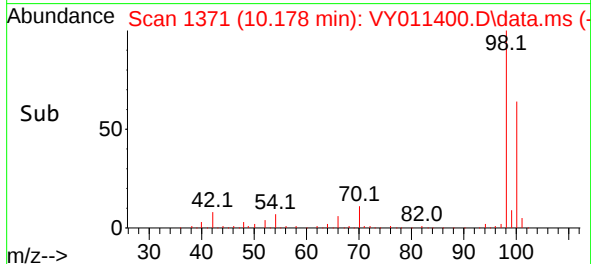
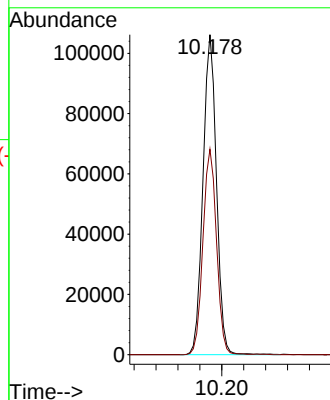
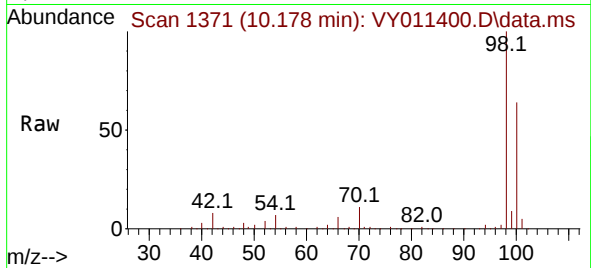




#50  
Toluene-d8  
Concen: 75.215 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.001 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

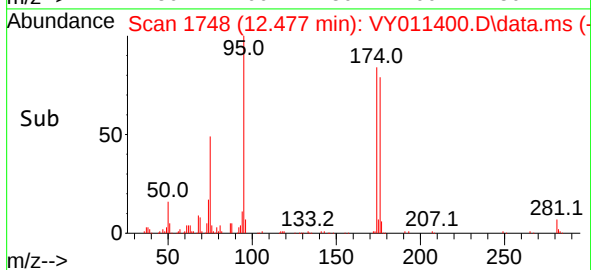
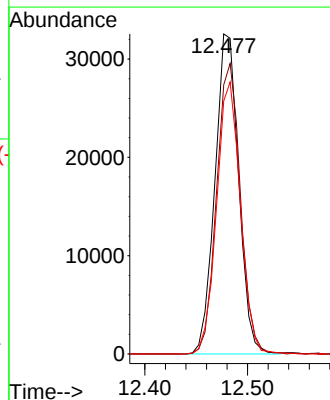
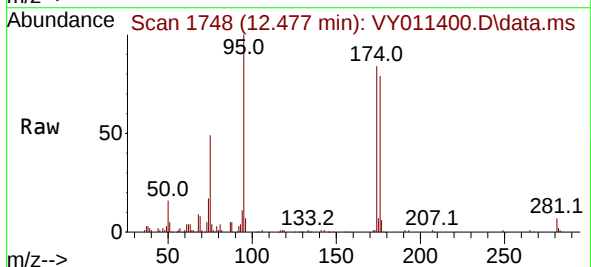
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-28B

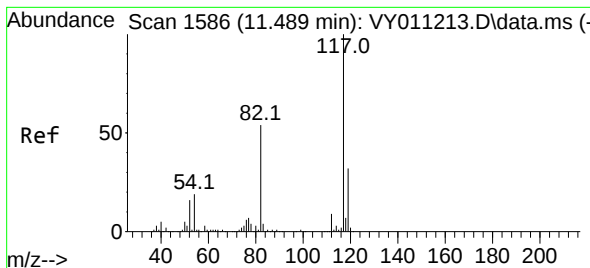
Tgt Ion: 98 Resp: 180911  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 62.061 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011400.D  
Acq: 10 Nov 2022 18:54

Tgt Ion: 95 Resp: 52065  
Ion Ratio Lower Upper  
95 100  
174 91.2 0.0 177.0  
176 85.3 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

Instrument :

MSVOA\_Y

ClientSampleId :

SB-28B

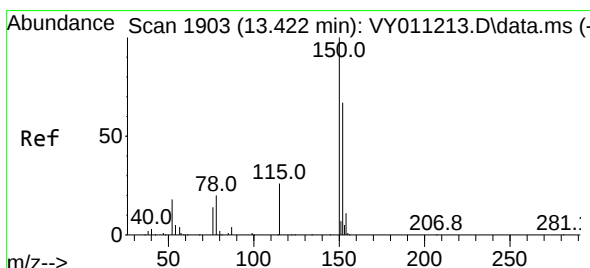
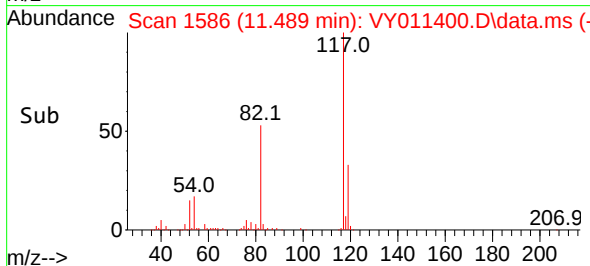
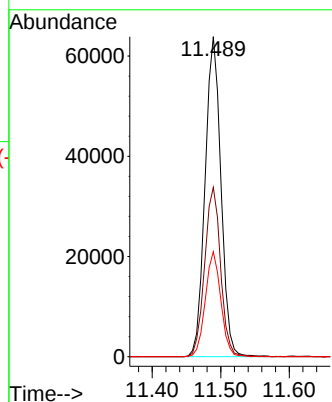
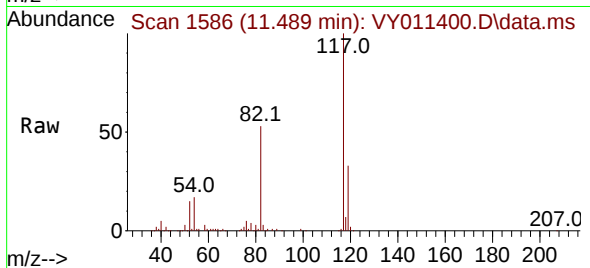
Tgt Ion:117 Resp: 102949

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.4

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY011400.D

Acq: 10 Nov 2022 18:54

Tgt Ion:152 Resp: 42072

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 158.1 0.0 347.6

