

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051723\  
 Data File : VY013775.D  
 Acq On : 17 May 2023 14:52  
 Operator : KP/MD  
 Sample : VY0517SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0517SBL01

Quant Time: May 18 07:02:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051723S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 18 06:54:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 227537   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 386747   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 343361   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 153455   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 141715   | 53.615   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.220% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 121130   | 48.842   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.680%  |
| 50) Toluene-d8              | 10.179 | 98    | 442002   | 47.010   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.020%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 139914   | 44.801   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 89.600%  |

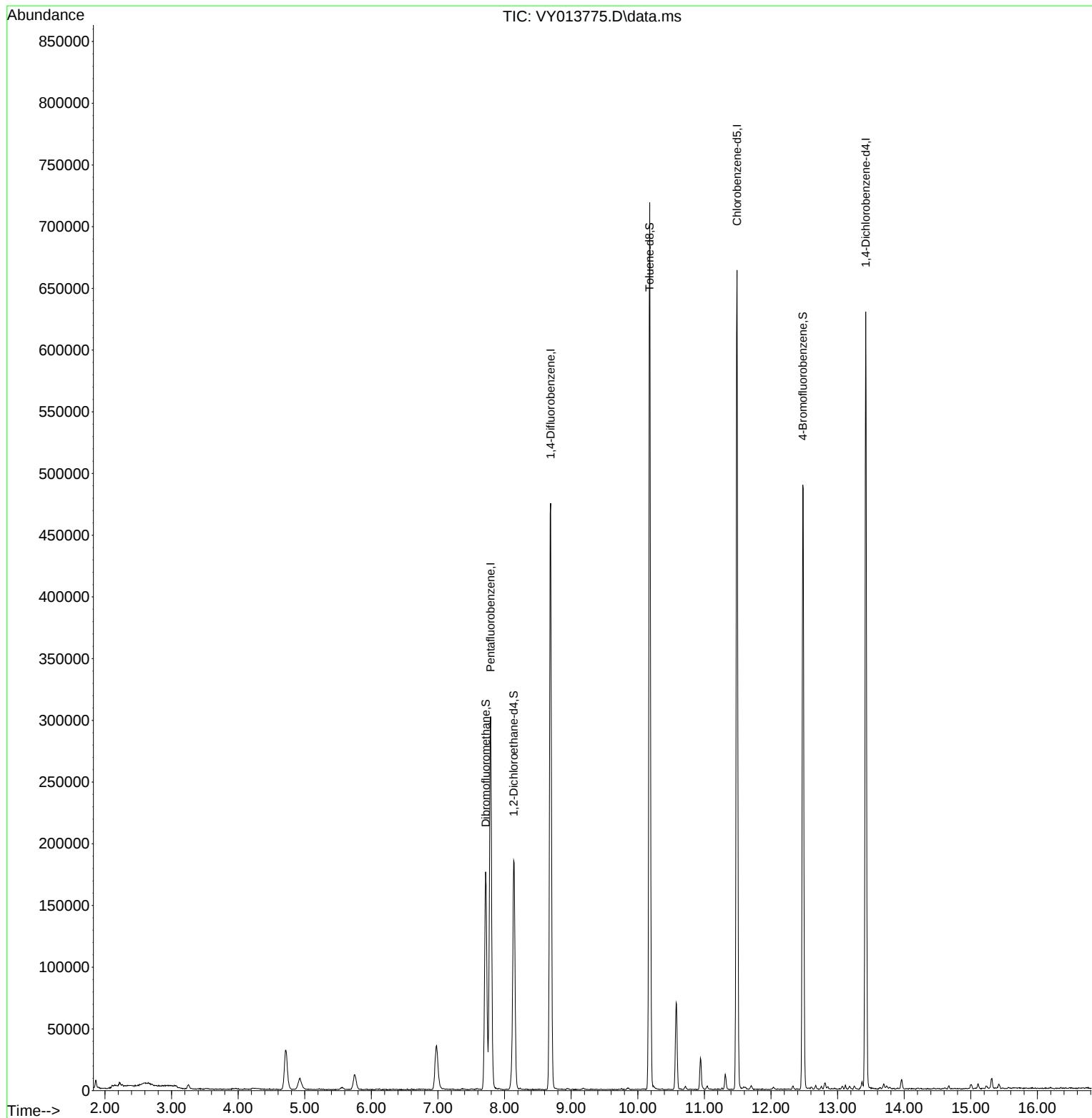
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

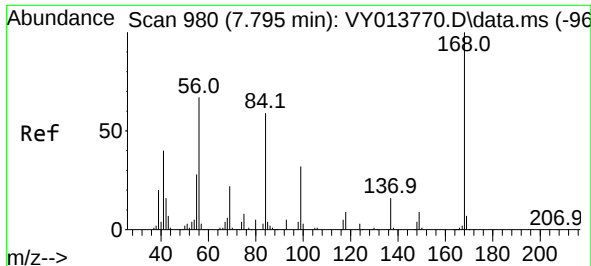
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051723\  
Data File : VY013775.D  
Acq On : 17 May 2023 14:52  
Operator : KP/MD  
Sample : VY0517SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

Quant Time: May 18 07:02:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051723S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 18 06:54:18 2023  
Response via : Initial Calibration

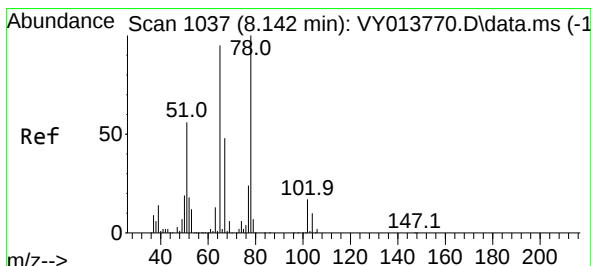
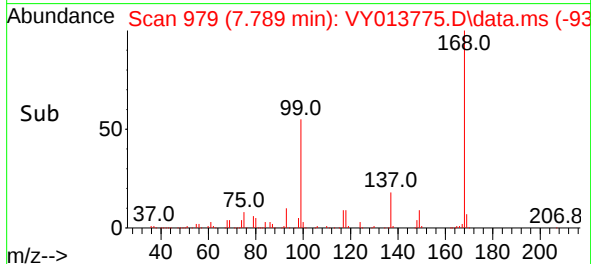
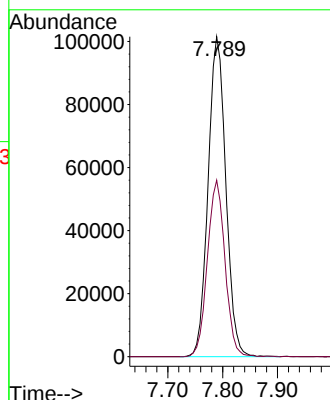
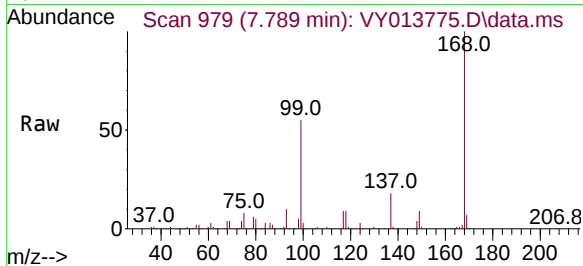




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

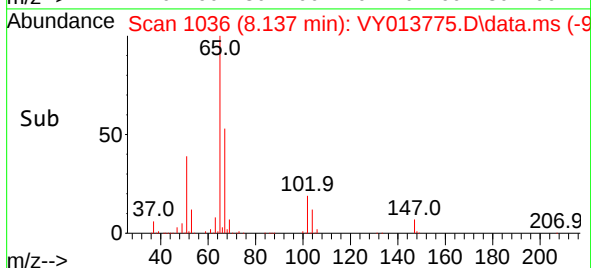
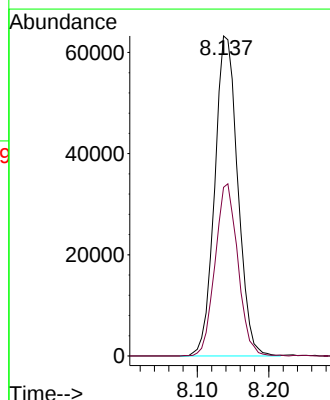
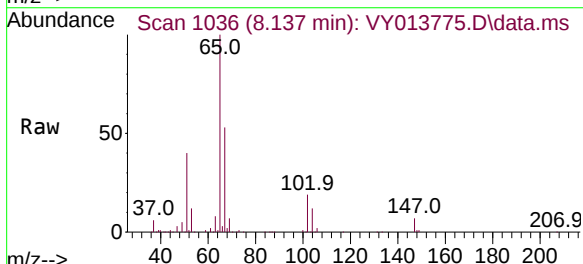
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

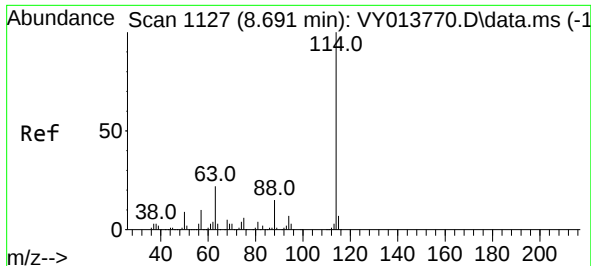
Tgt Ion:168 Resp: 227537  
Ion Ratio Lower Upper  
168 100  
99 55.2 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.615 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

Tgt Ion: 65 Resp: 141715  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013775.D

Acq: 17 May 2023 14:52

Instrument :

MSVOA\_Y

ClientSampleId :

VY0517SBL01

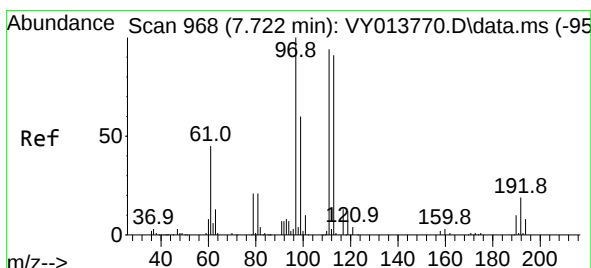
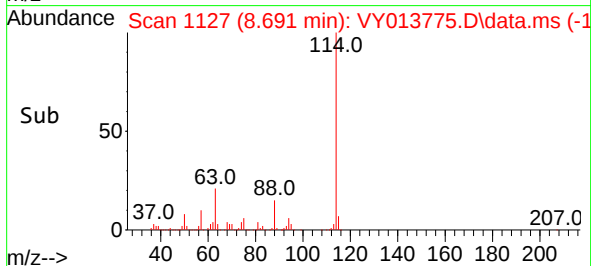
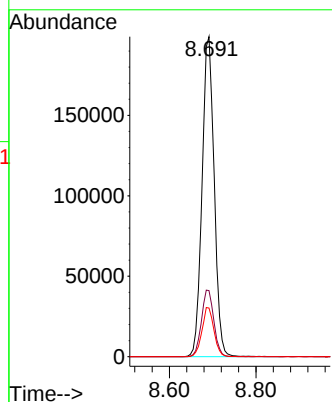
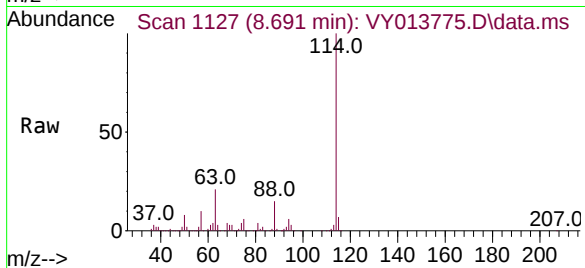
Tgt Ion:114 Resp: 386747

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

88 15.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.842 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY013775.D

Acq: 17 May 2023 14:52

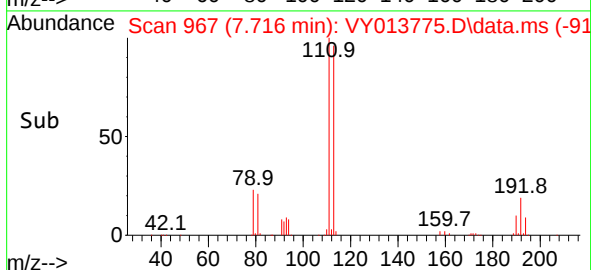
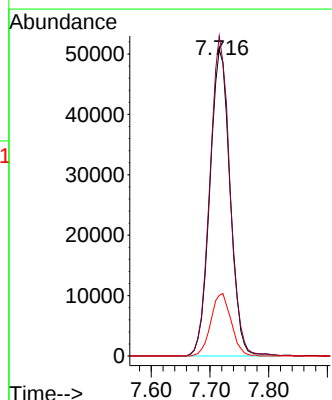
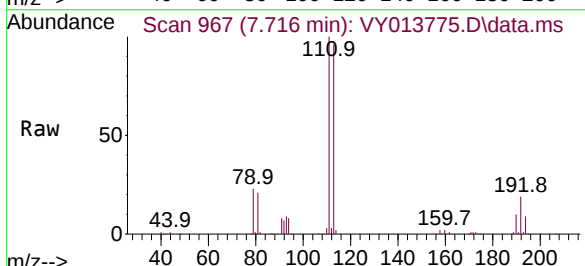
Tgt Ion:113 Resp: 121130

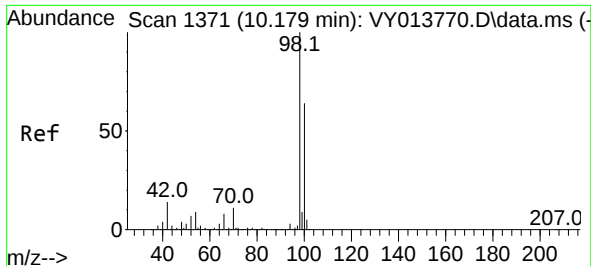
Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

192 20.4 16.0 24.0

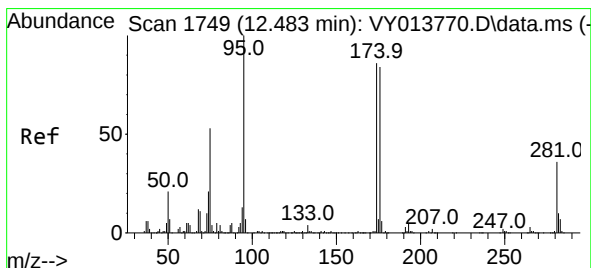
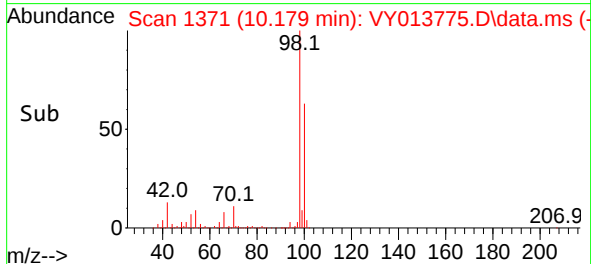
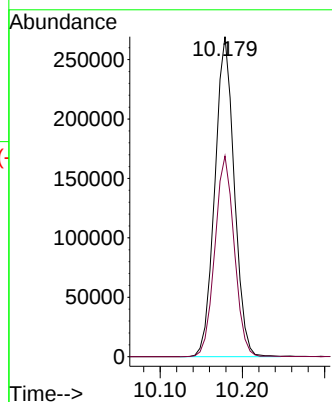
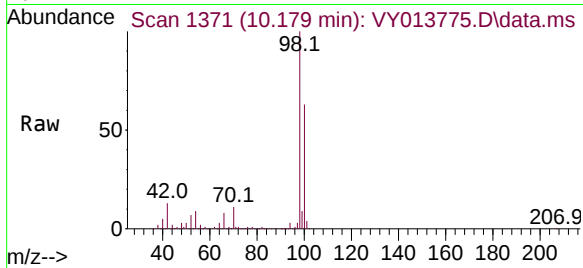




#50  
Toluene-d8  
Concen: 47.010 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

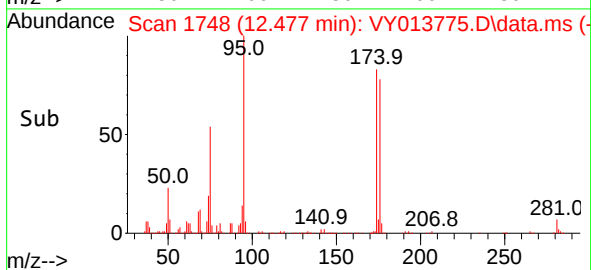
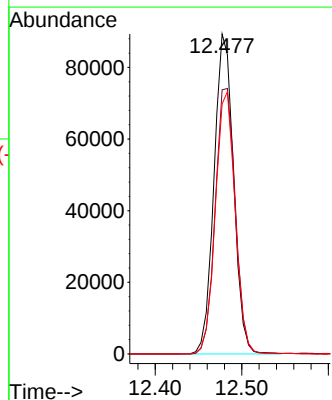
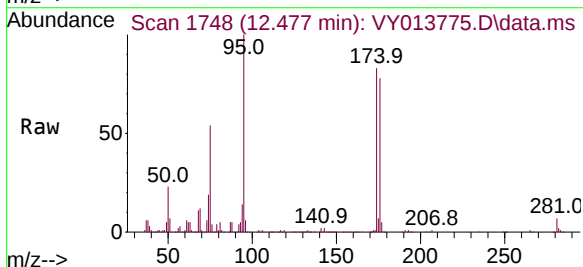
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

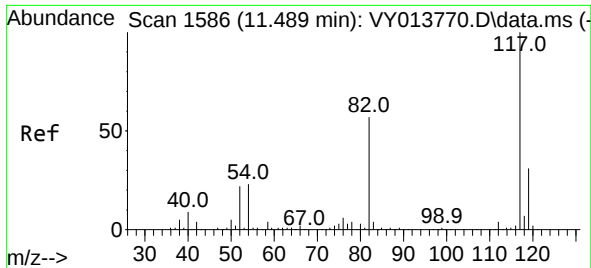
Tgt Ion: 98 Resp: 442002  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.0 76.6



#62  
4-Bromofluorobenzene  
Concen: 44.801 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

Tgt Ion: 95 Resp: 139914  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 168.8  
176 82.9 0.0 165.2

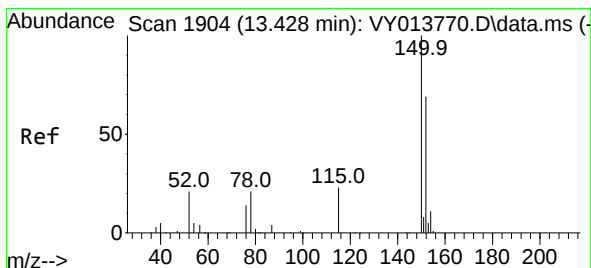
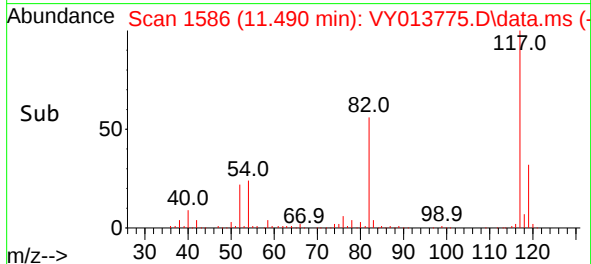
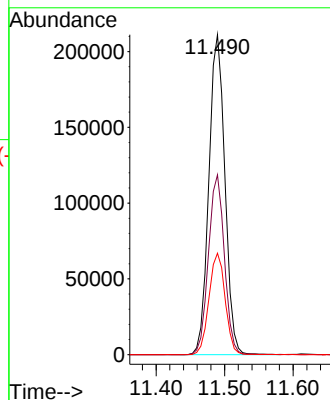
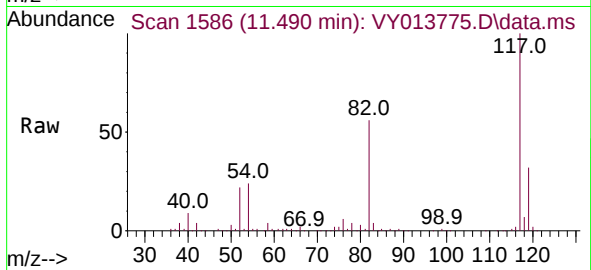




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0517SBL01

Tgt Ion:117 Resp: 343361  
Ion Ratio Lower Upper  
117 100  
82 56.2 45.5 68.3  
119 31.7 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY013775.D  
Acq: 17 May 2023 14:52

Tgt Ion:152 Resp: 153455  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.5 85.5  
150 157.7 0.0 347.0

