

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062424\  
 Data File : VY018679.D  
 Acq On : 24 Jun 2024 16:54  
 Operator : SY/MD  
 Sample : P2997-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-06-062024

Quant Time: Jun 25 01:11:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 2582     | 50.000   | ug/l  | # 0.02   |
| 34) 1,4-Difluorobenzene     | 8.679  | 114   | 3891     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 2559     | 50.000   | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 445      | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 1249     | 48.047   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 96.100%  |
| 35) Dibromofluoromethane    | 7.704  | 113   | 1308     | 55.107   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 110.220% |
| 50) Toluene-d8              | 10.173 | 98    | 3992     | 43.734   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 87.460%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 637      | 22.100   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 44.200%  |

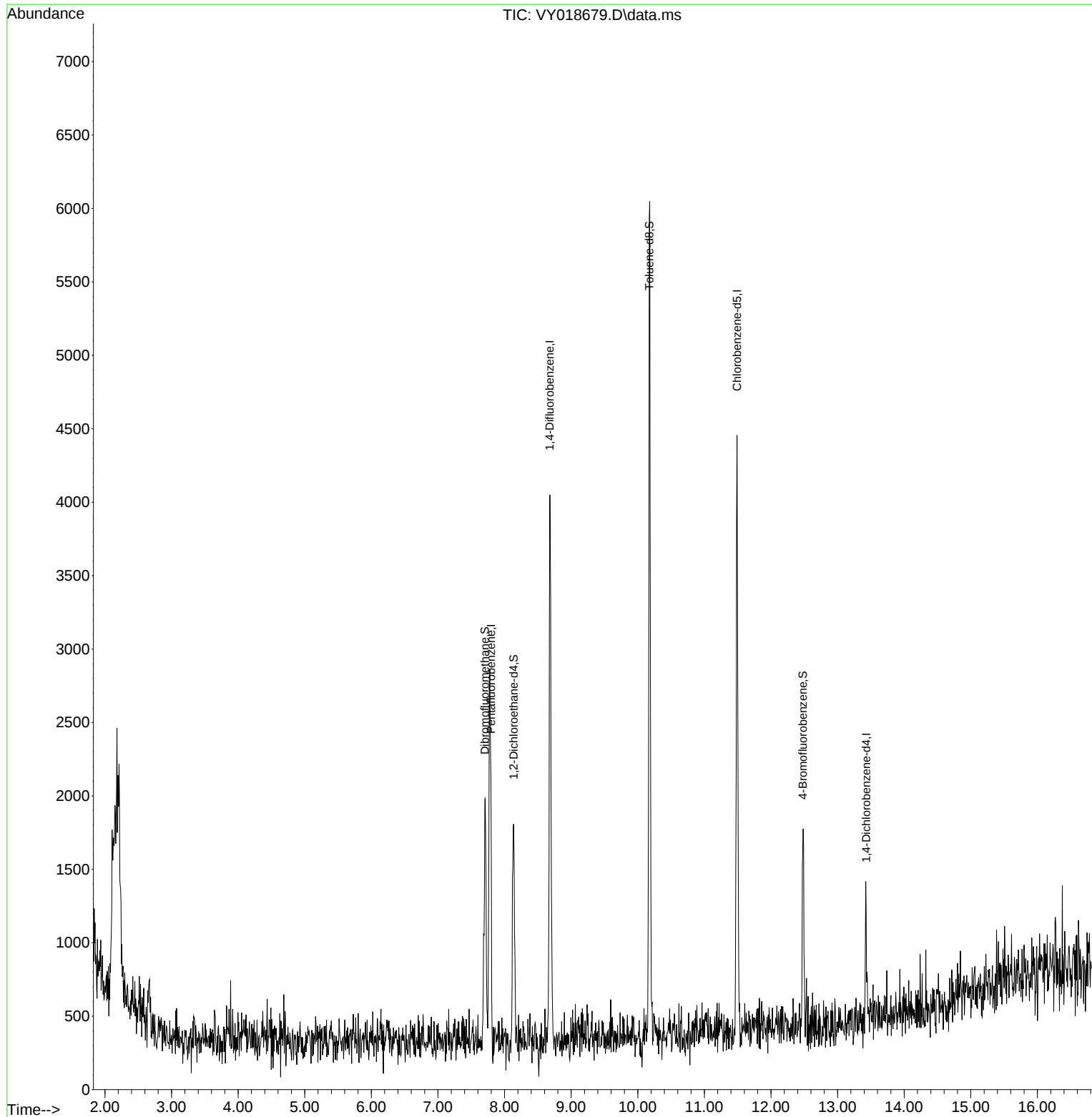
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

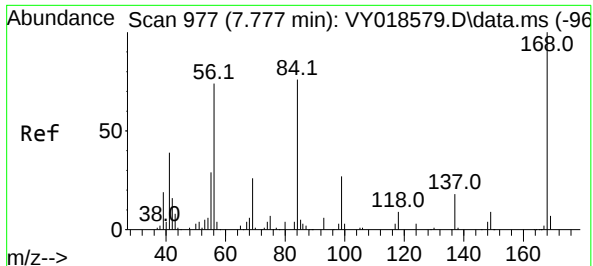
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062424\  
Data File : VY018679.D  
Acq On : 24 Jun 2024 16:54  
Operator : SY/MD  
Sample : P2997-01  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-062024

Quant Time: Jun 25 01:11:11 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration

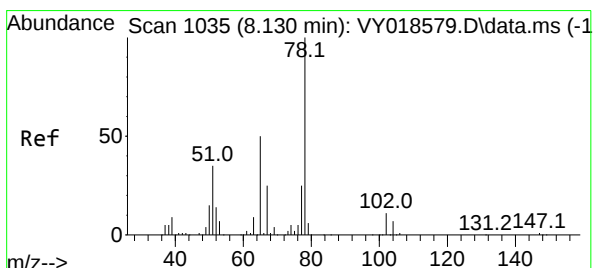
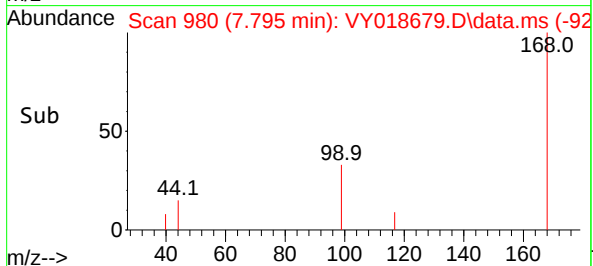
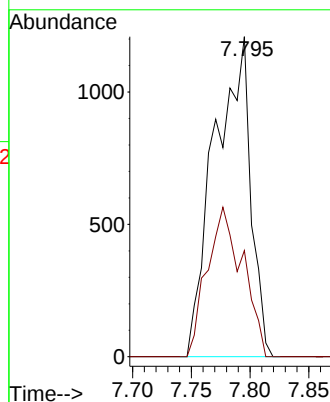
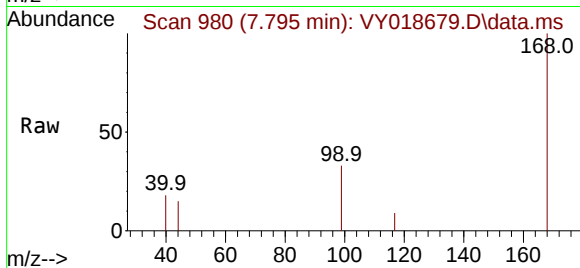




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

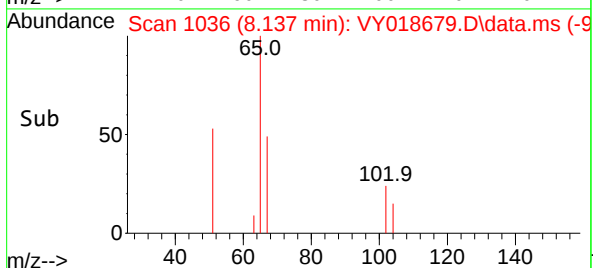
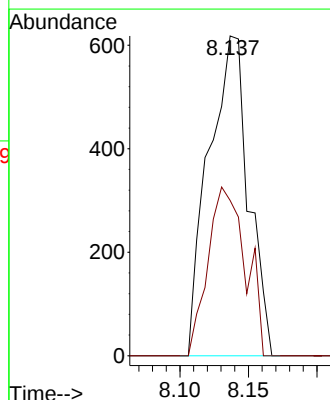
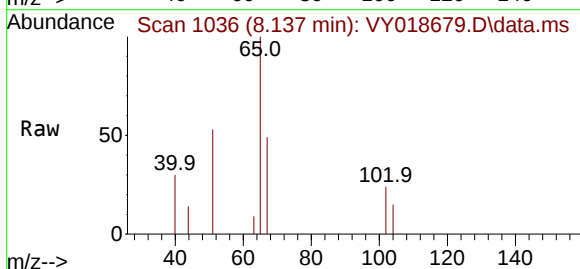
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-062024

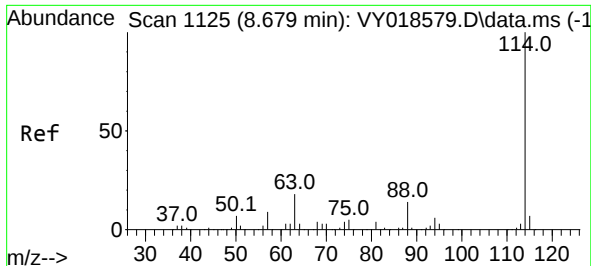
Tgt Ion:168 Resp: 2582  
Ion Ratio Lower Upper  
168 100  
99 33.2 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 48.047 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion: 65 Resp: 1249  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VY018679.D

Acq: 24 Jun 2024 16:54

Instrument :

MSVOA\_Y

ClientSampleId :

TR-06-062024

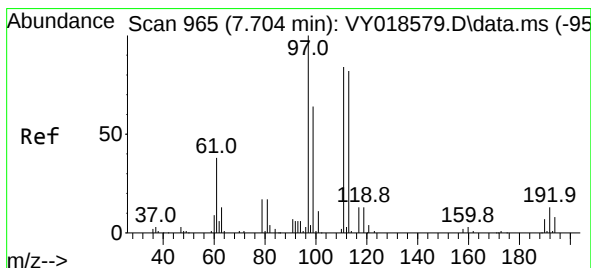
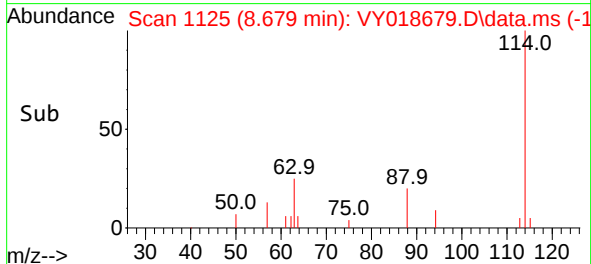
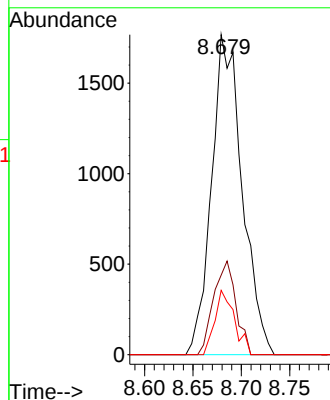
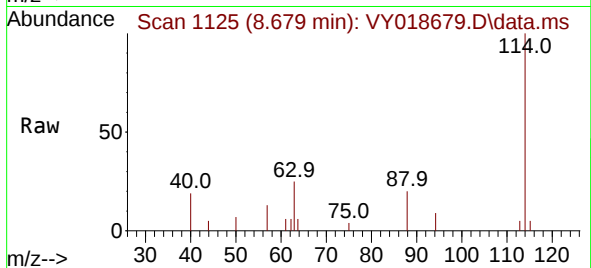
Tgt Ion:114 Resp: 3891

Ion Ratio Lower Upper

114 100

63 30.6 0.0 35.0

88 20.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 55.107 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY018679.D

Acq: 24 Jun 2024 16:54

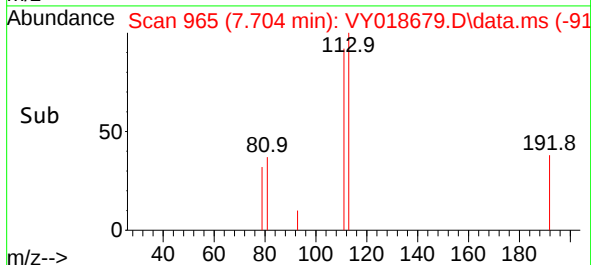
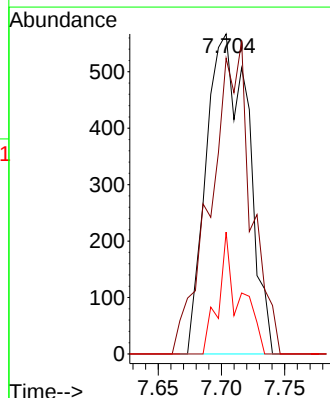
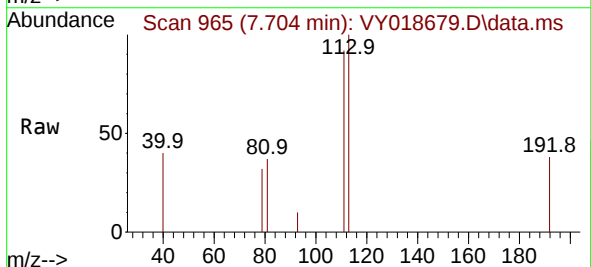
Tgt Ion:113 Resp: 1308

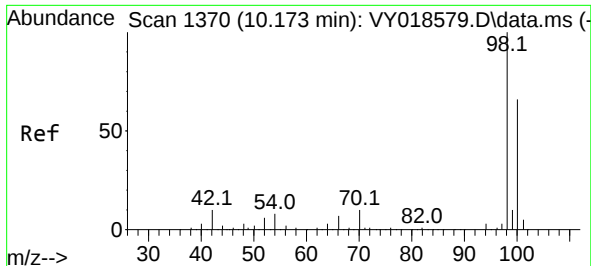
Ion Ratio Lower Upper

113 100

111 93.4 82.2 123.4

192 19.5 15.9 23.9

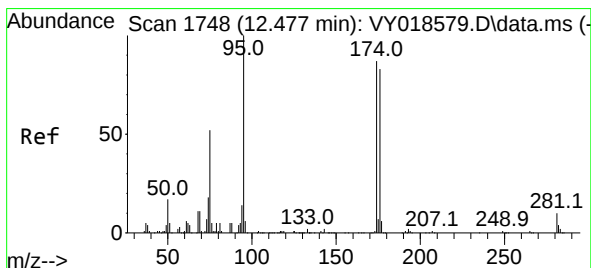
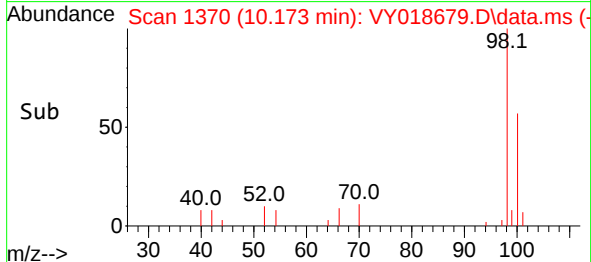
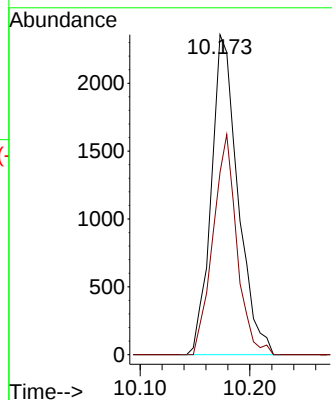
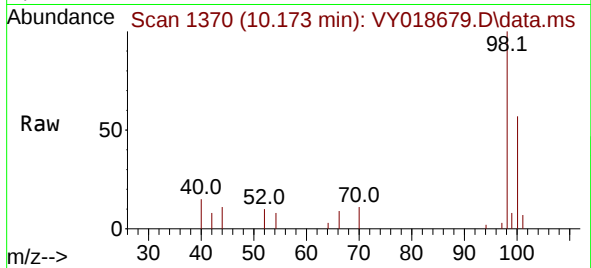




#50  
Toluene-d8  
Concen: 43.734 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

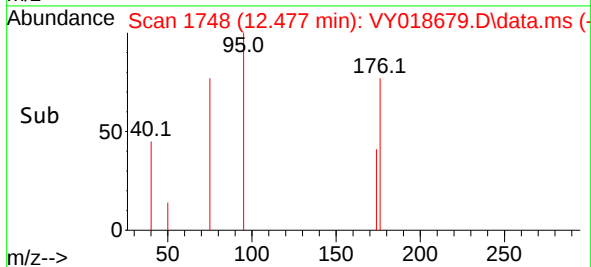
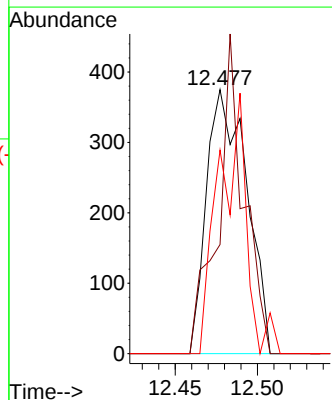
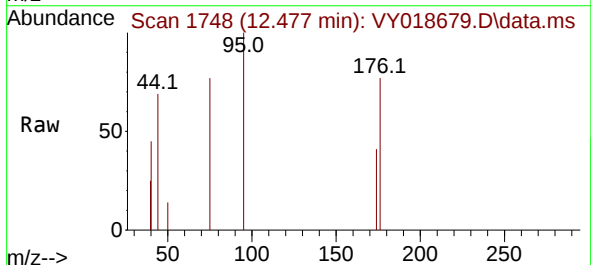
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-062024

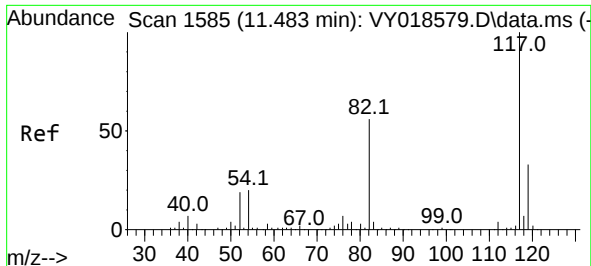
Tgt Ion: 98 Resp: 3992  
Ion Ratio Lower Upper  
98 100  
100 61.5 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 22.100 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion: 95 Resp: 637  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 175.6  
176 68.0 0.0 171.4

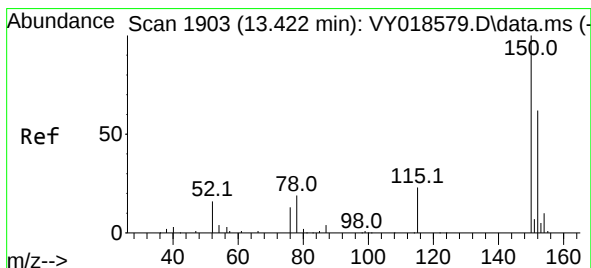
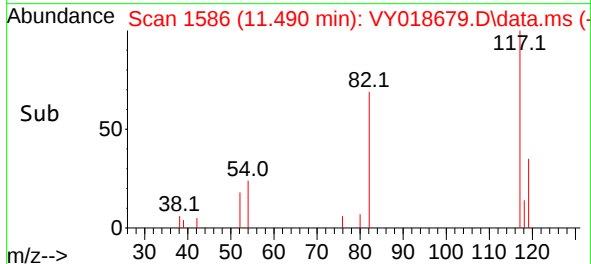
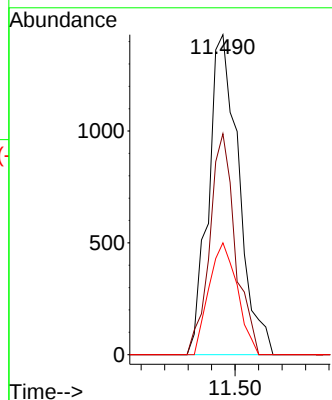
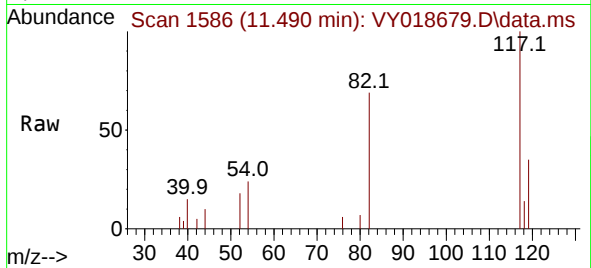




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-06-062024

Tgt Ion:117 Resp: 2559  
Ion Ratio Lower Upper  
117 100  
82 69.0 42.4 63.6#  
119 34.9 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion:152 Resp: 445  
Ion Ratio Lower Upper  
152 100  
115 32.6 28.2 84.7  
150 90.8 0.0 345.6

