

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061124\  
 Data File : VY018554.D  
 Acq On : 11 Jun 2024 13:38  
 Operator : SY/MD  
 Sample : VY0611SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0611SBL01

Quant Time: Jun 12 02:58:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060324S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 07:11:56 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 37470    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 61110    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 52975    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 34248    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 42361    | 57.567   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.140% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 40241    | 51.929   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.860% |
| 50) Toluene-d8              | 10.179 | 98    | 153866   | 49.911   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.820%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 44997    | 46.879   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.760%  |

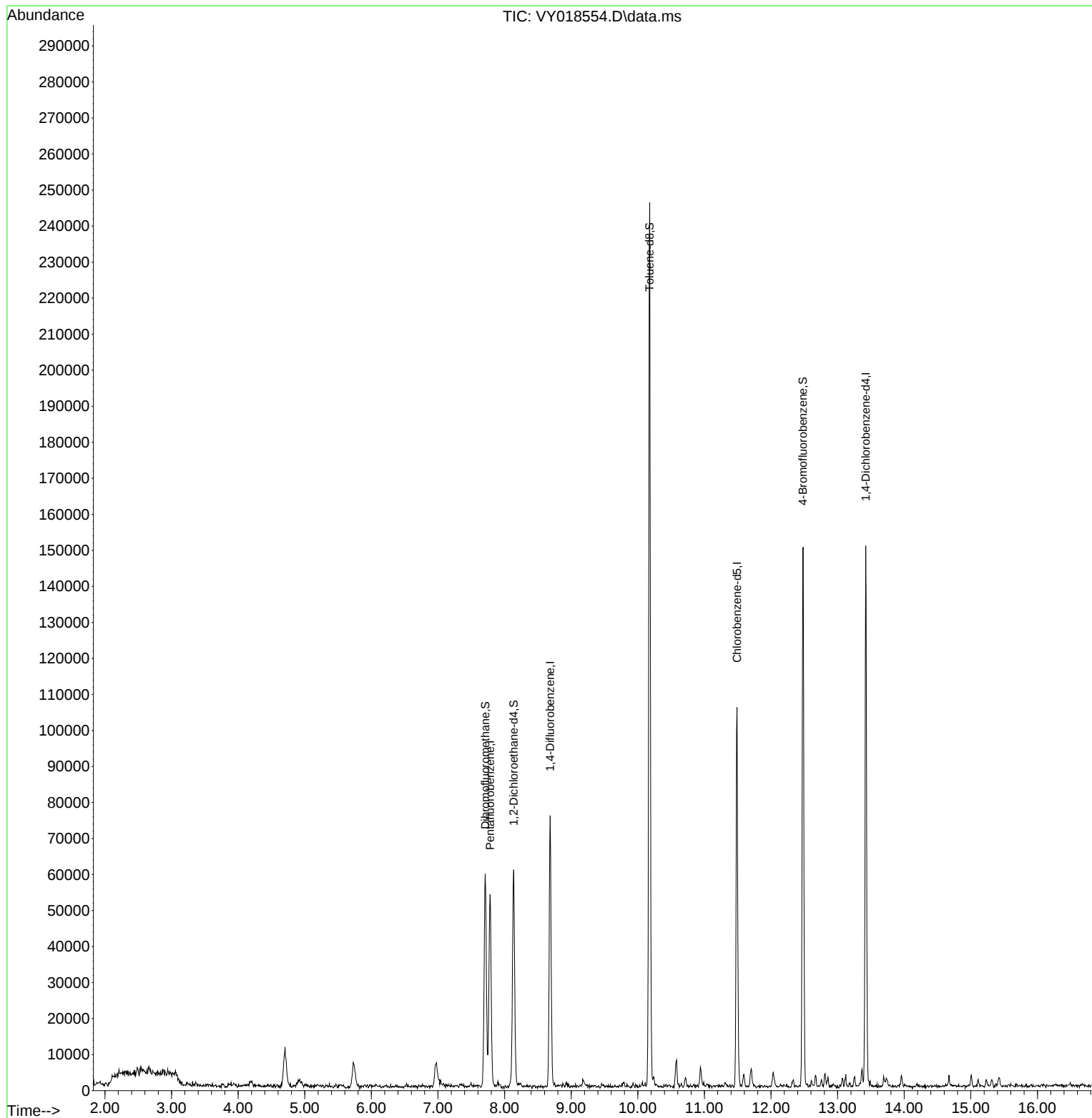
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

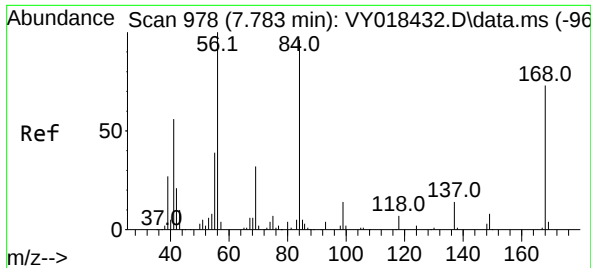
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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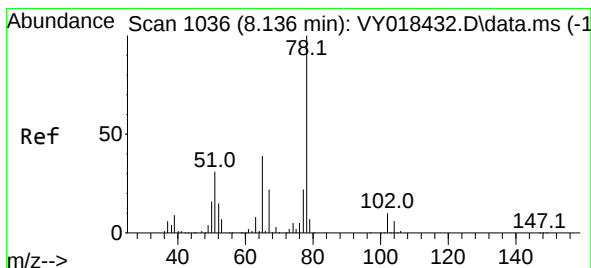
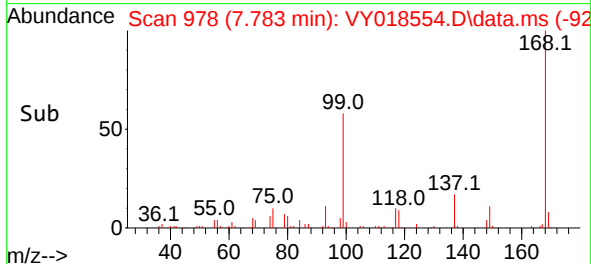
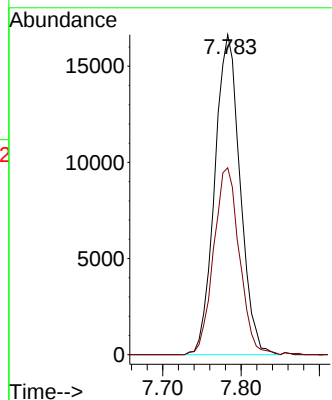
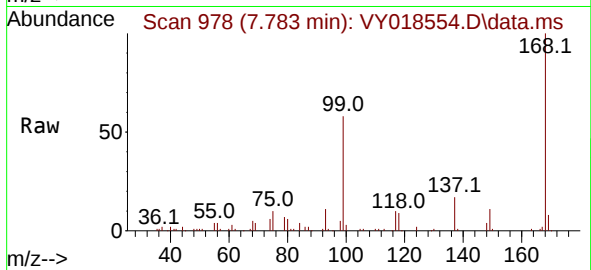




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

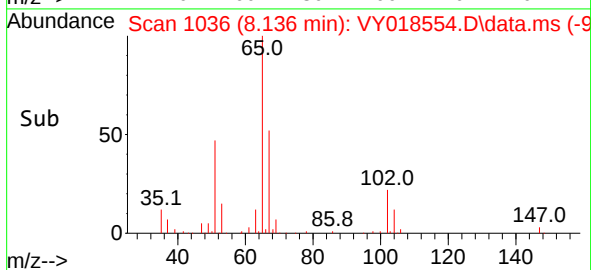
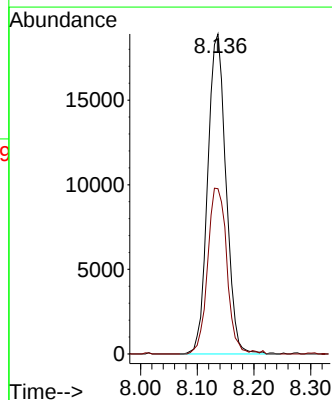
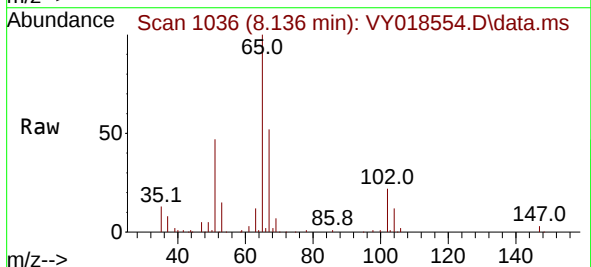
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0611SBL01

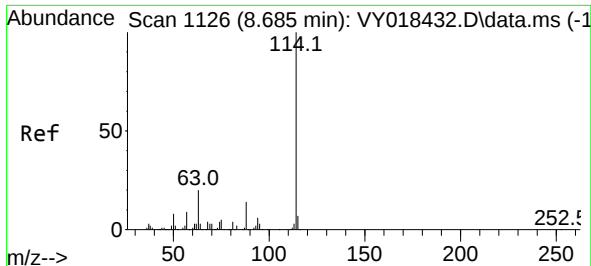
Tgt Ion:168 Resp: 37470  
Ion Ratio Lower Upper  
168 100  
99 58.4 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 57.567 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

Tgt Ion: 65 Resp: 42361  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018554.D

Acq: 11 Jun 2024 13:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0611SBL01

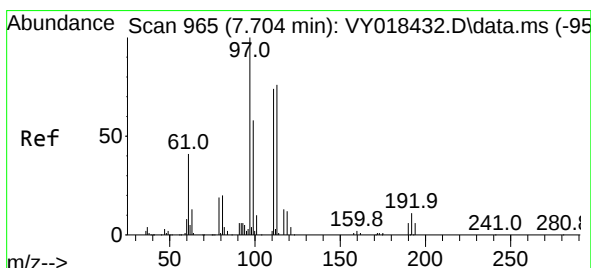
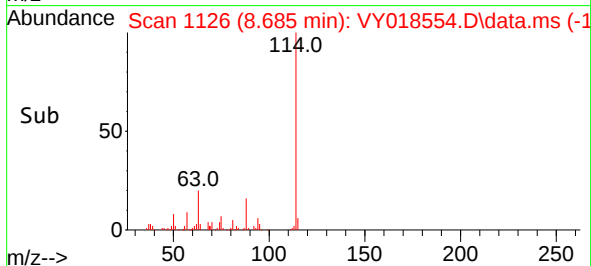
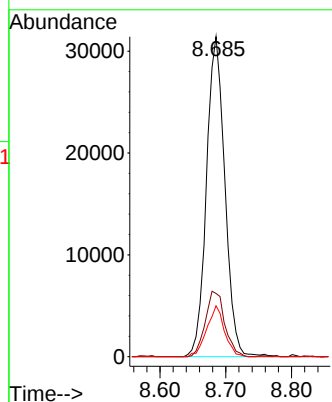
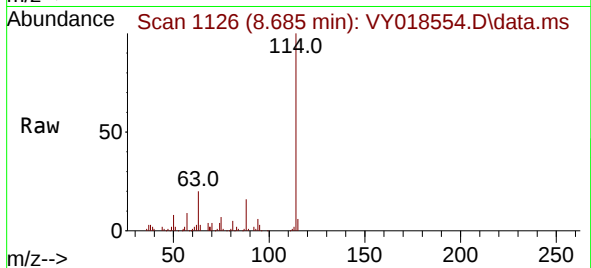
Tgt Ion:114 Resp: 61110

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.0

88 15.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.929 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.006 min

Lab File: VY018554.D

Acq: 11 Jun 2024 13:38

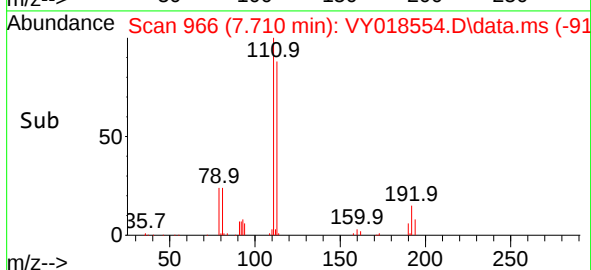
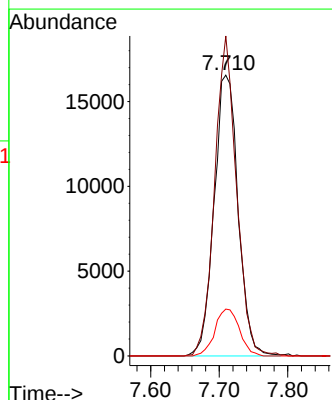
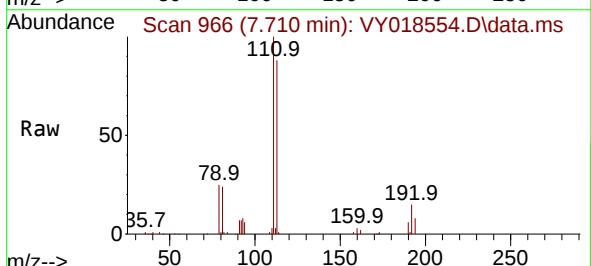
Tgt Ion:113 Resp: 40241

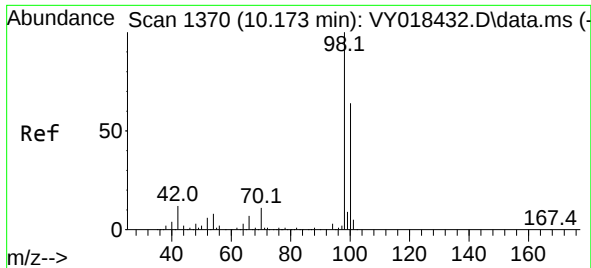
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.4

192 17.1 15.9 23.9

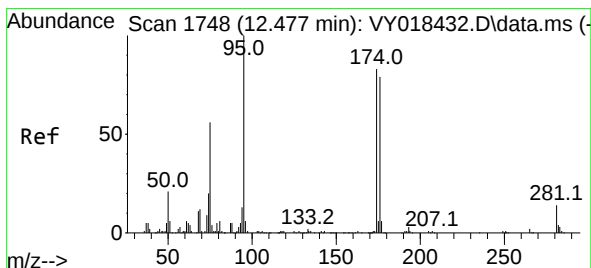
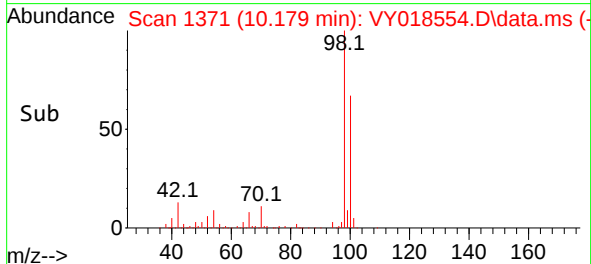
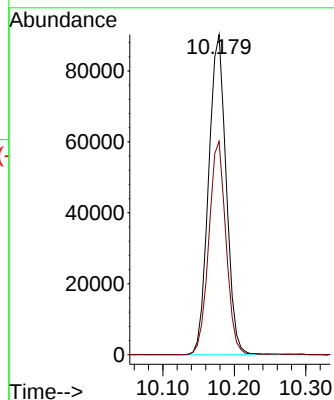
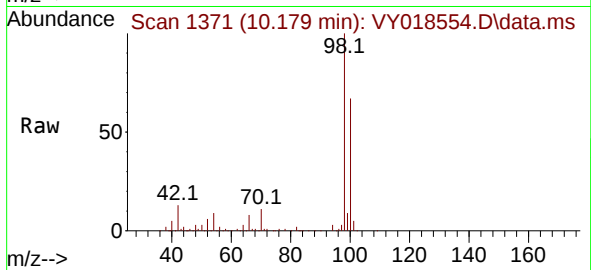




#50  
Toluene-d8  
Concen: 49.911 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

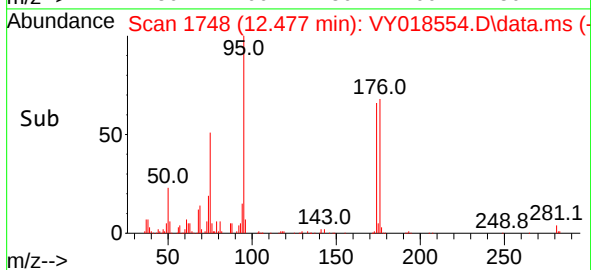
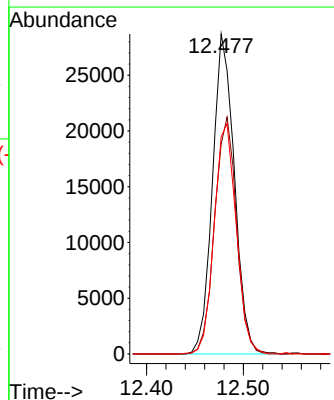
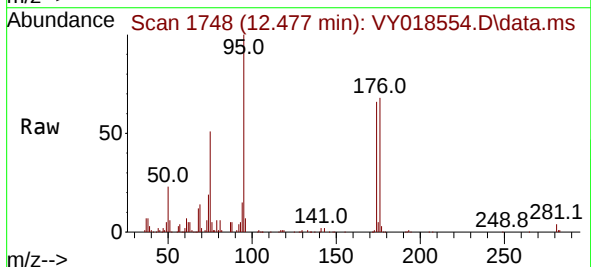
Instrument :  
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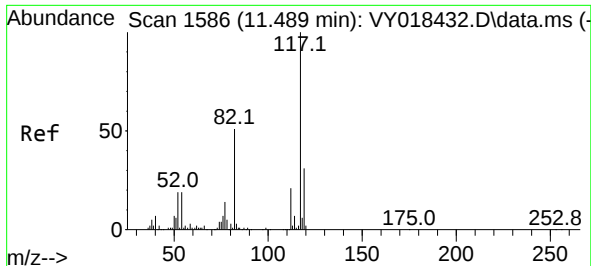
Tgt Ion: 98 Resp: 153866  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.879 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

Tgt Ion: 95 Resp: 44997  
Ion Ratio Lower Upper  
95 100  
174 74.3 0.0 175.6  
176 72.7 0.0 171.4

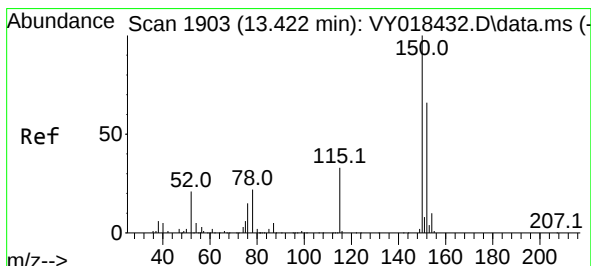
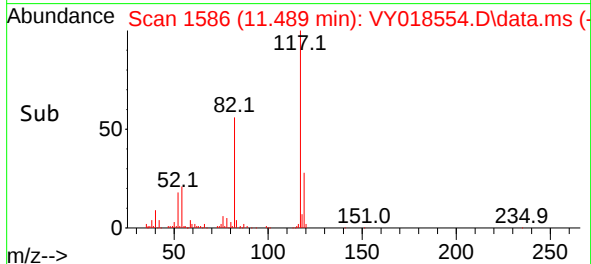
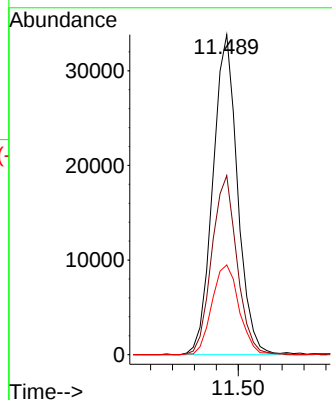
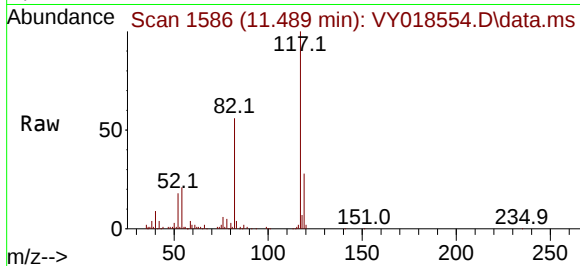




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0611SBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 52975 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.9  | 42.4  | 63.6  |
| 119      | 28.1  | 25.9  | 38.9  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY018554.D  
Acq: 11 Jun 2024 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 34248 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 60.1  | 28.2  | 84.7  |
| 150      | 155.0 | 0.0   | 345.6 |

