

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011223\  
 Data File : VY012169.D  
 Acq On : 12 Jan 2023 11:01  
 Operator : KP/MD  
 Sample : VY0112SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0112SBL01

Quant Time: Jan 12 13:44:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 230300   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 390783   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 369557   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 169114   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 128656   | 49.717   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.440% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 118548   | 46.154   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.300% |
| 50) Toluene-d8              | 10.179 | 98    | 461350   | 45.506   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 91.020% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 155784   | 43.961   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 87.920% |

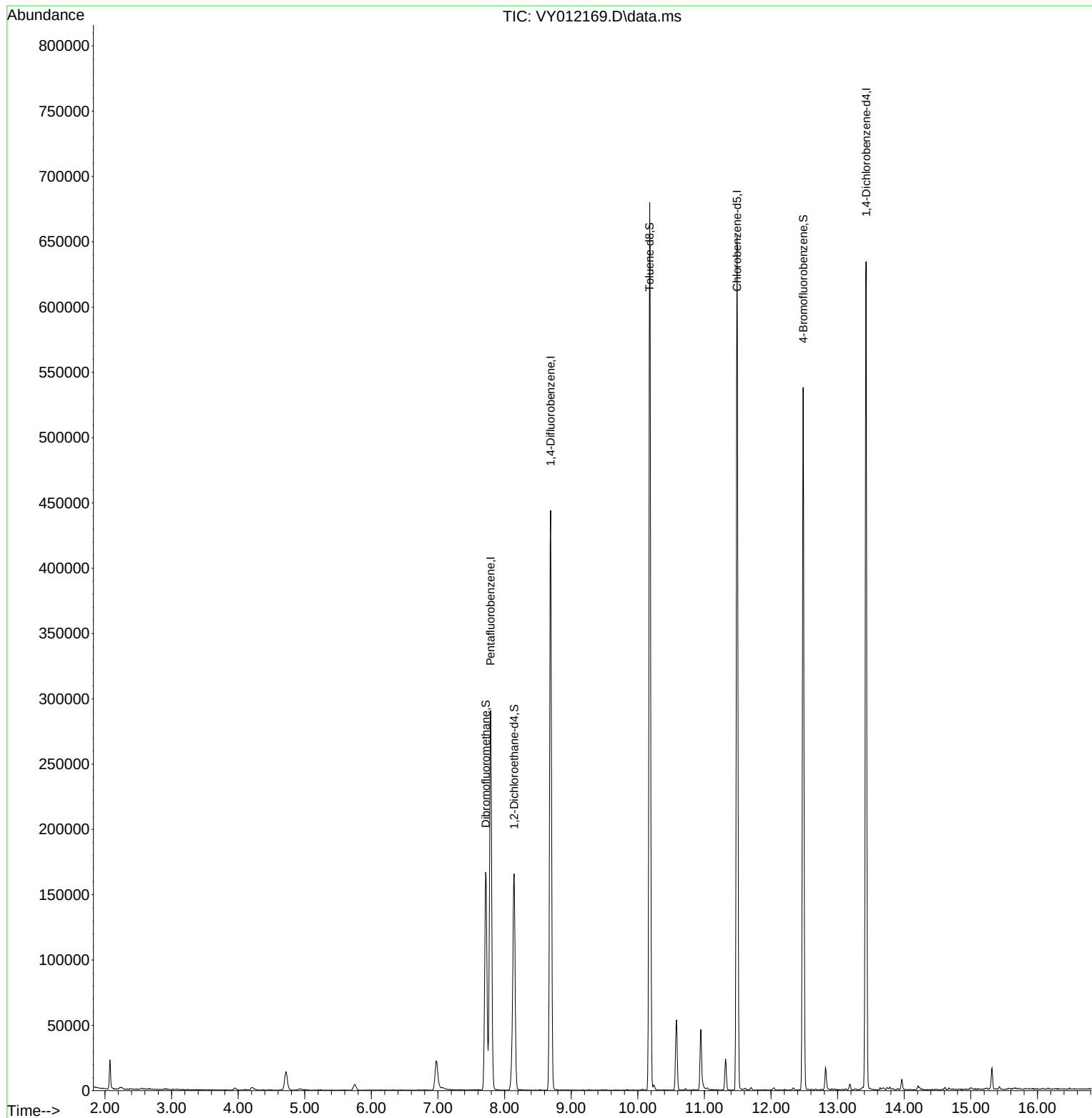
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

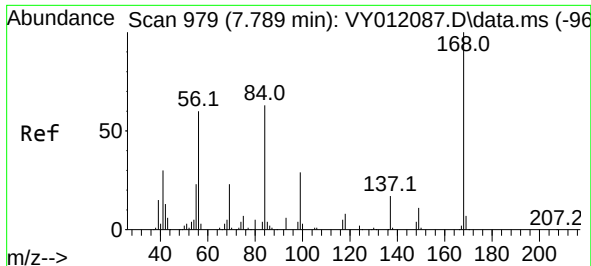
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 07 01:46:48 2023  
Response via : Initial Calibration

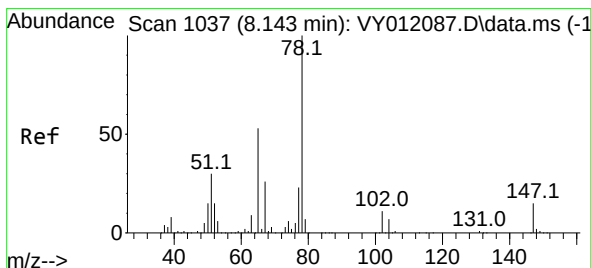
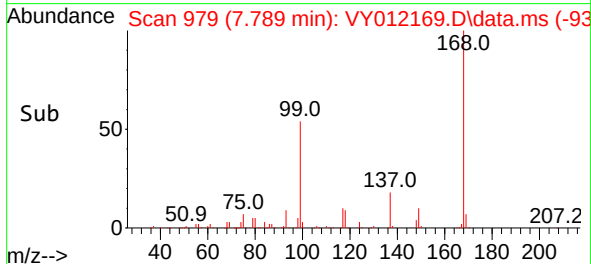
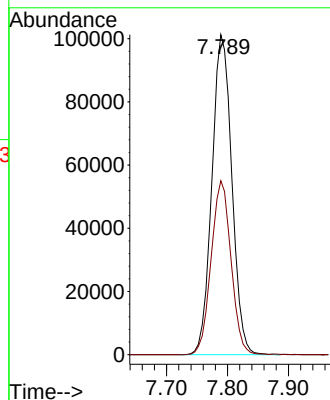
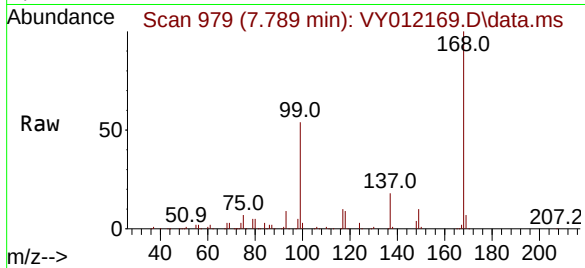




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

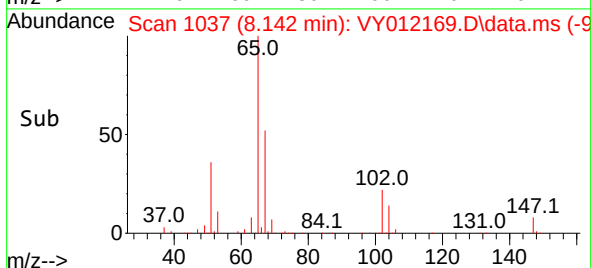
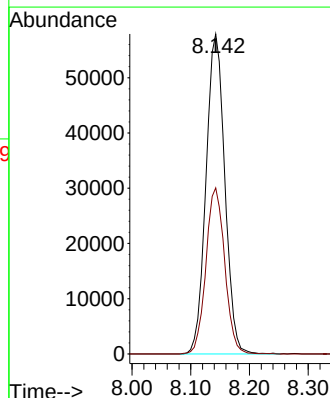
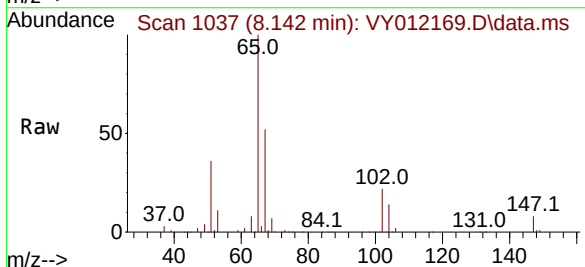
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0112SBL01

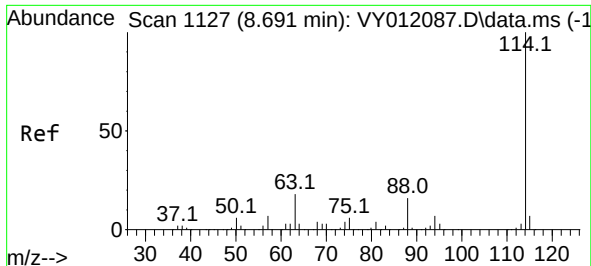
Tgt Ion:168 Resp: 230300  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.717 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

Tgt Ion: 65 Resp: 128656  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

Instrument :

MSVOA\_Y

ClientSampleId :

VY0112SBL01

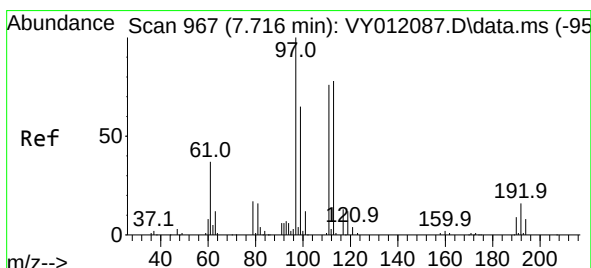
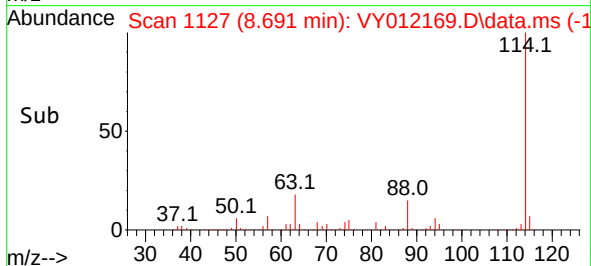
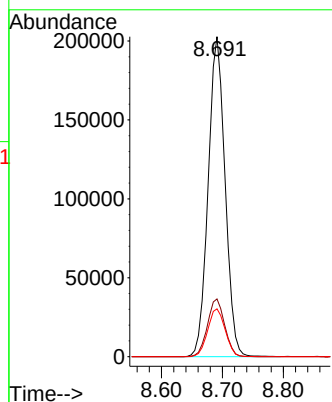
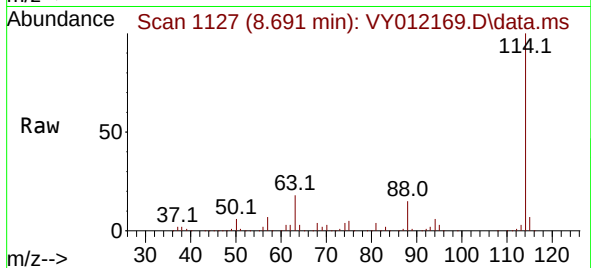
Tgt Ion:114 Resp: 390783

Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 14.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.154 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012169.D

Acq: 12 Jan 2023 11:01

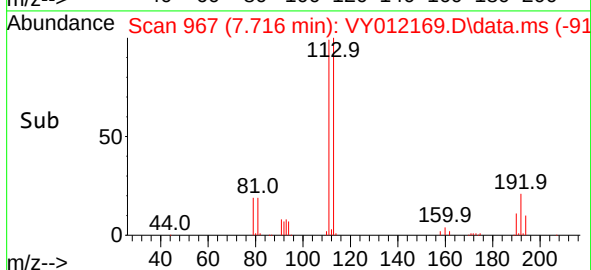
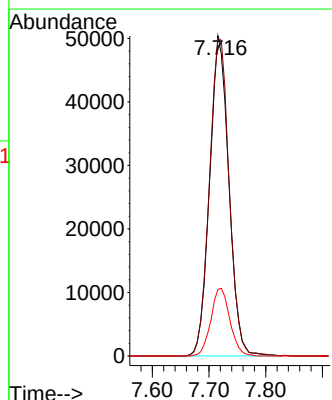
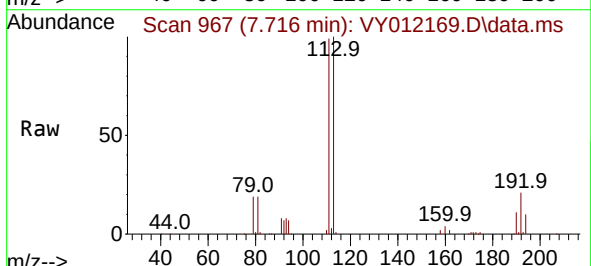
Tgt Ion:113 Resp: 118548

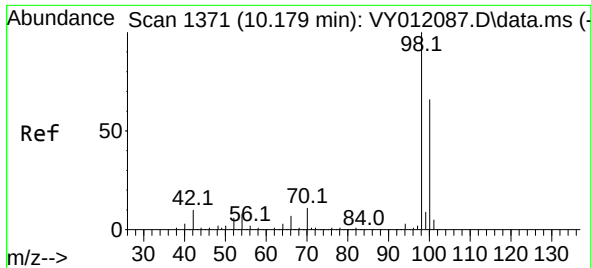
Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.4

192 20.9 16.0 24.0

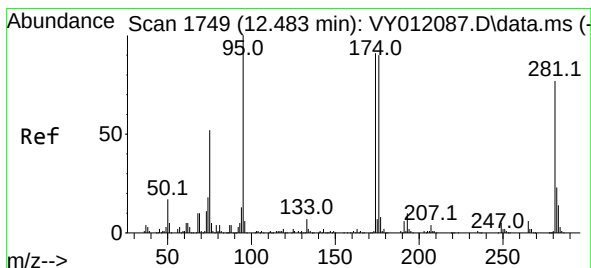
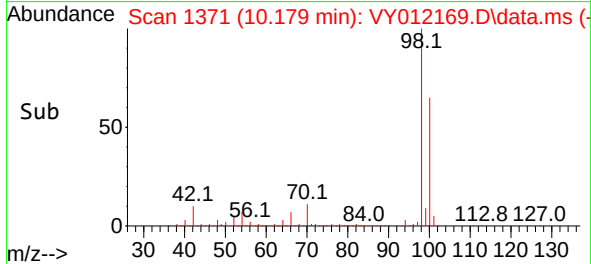
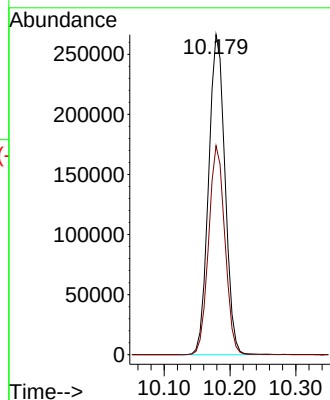
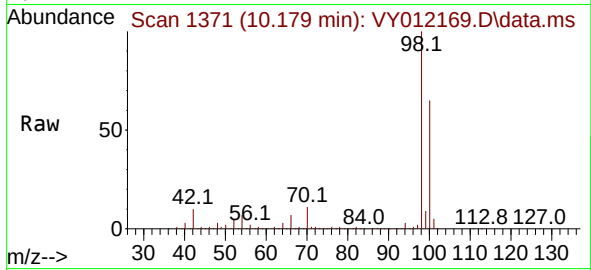




#50  
Toluene-d8  
Concen: 45.506 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

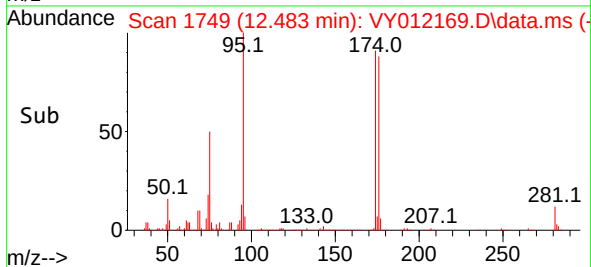
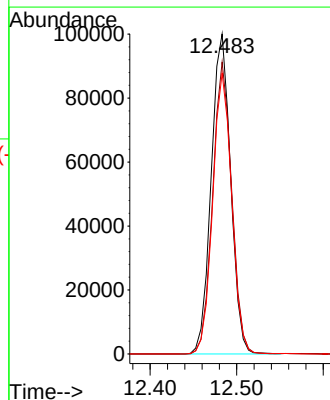
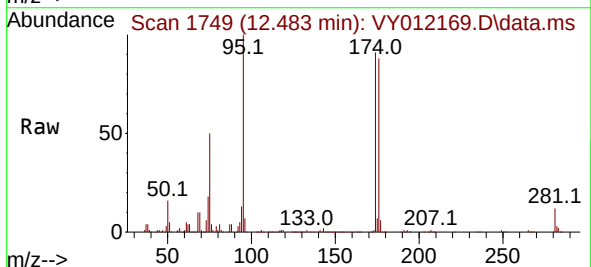
Instrument :  
MSVOA\_Y  
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VY0112SBL01

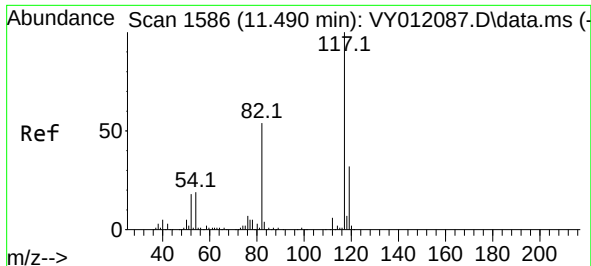
Tgt Ion: 98 Resp: 461350  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 43.961 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

Tgt Ion: 95 Resp: 155784  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 172.0  
176 86.0 0.0 167.6

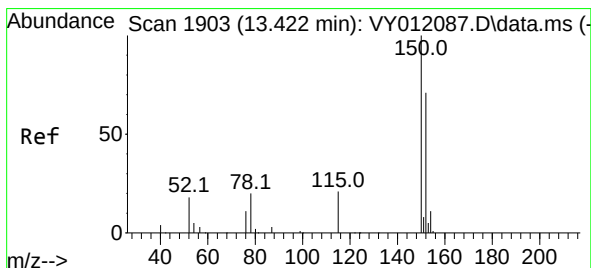
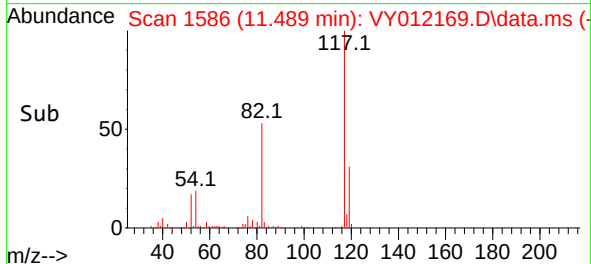
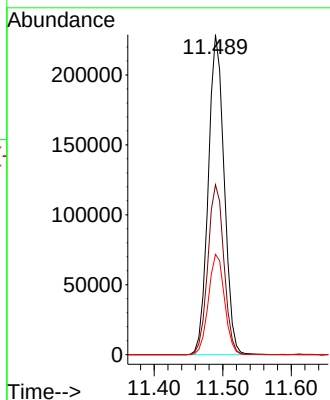
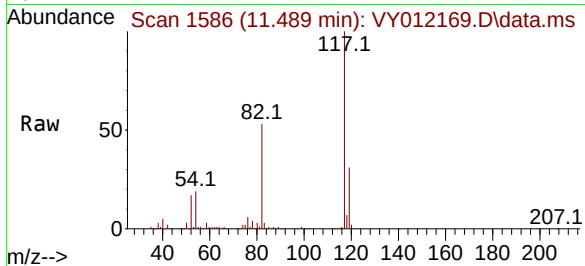




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0112SBL01

Tgt Ion:117 Resp: 369557  
Ion Ratio Lower Upper  
117 100  
82 53.1 44.8 67.2  
119 31.4 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY012169.D  
Acq: 12 Jan 2023 11:01

Tgt Ion:152 Resp: 169114  
Ion Ratio Lower Upper  
152 100  
115 58.3 29.1 87.3  
150 158.2 0.0 342.6

