

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061824\  
 Data File : VY018633.D  
 Acq On : 18 Jun 2024 16:56  
 Operator : SY/MD  
 Sample : P2918-01  
 Misc : 5.42g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 POLE

Quant Time: Jun 19 02:03:39 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      | 7.783  | 168  | 12254    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.679  | 114  | 20440    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 17033    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 4290     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 6362     | 51.568   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.140% |
| 35) Dibromofluoromethane    | 7.703  | 113   | 6815     | 54.657   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.320% |
| 50) Toluene-d8              | 10.173 | 98    | 22665    | 47.268   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.540%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 4953     | 32.712   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 65.420%  |

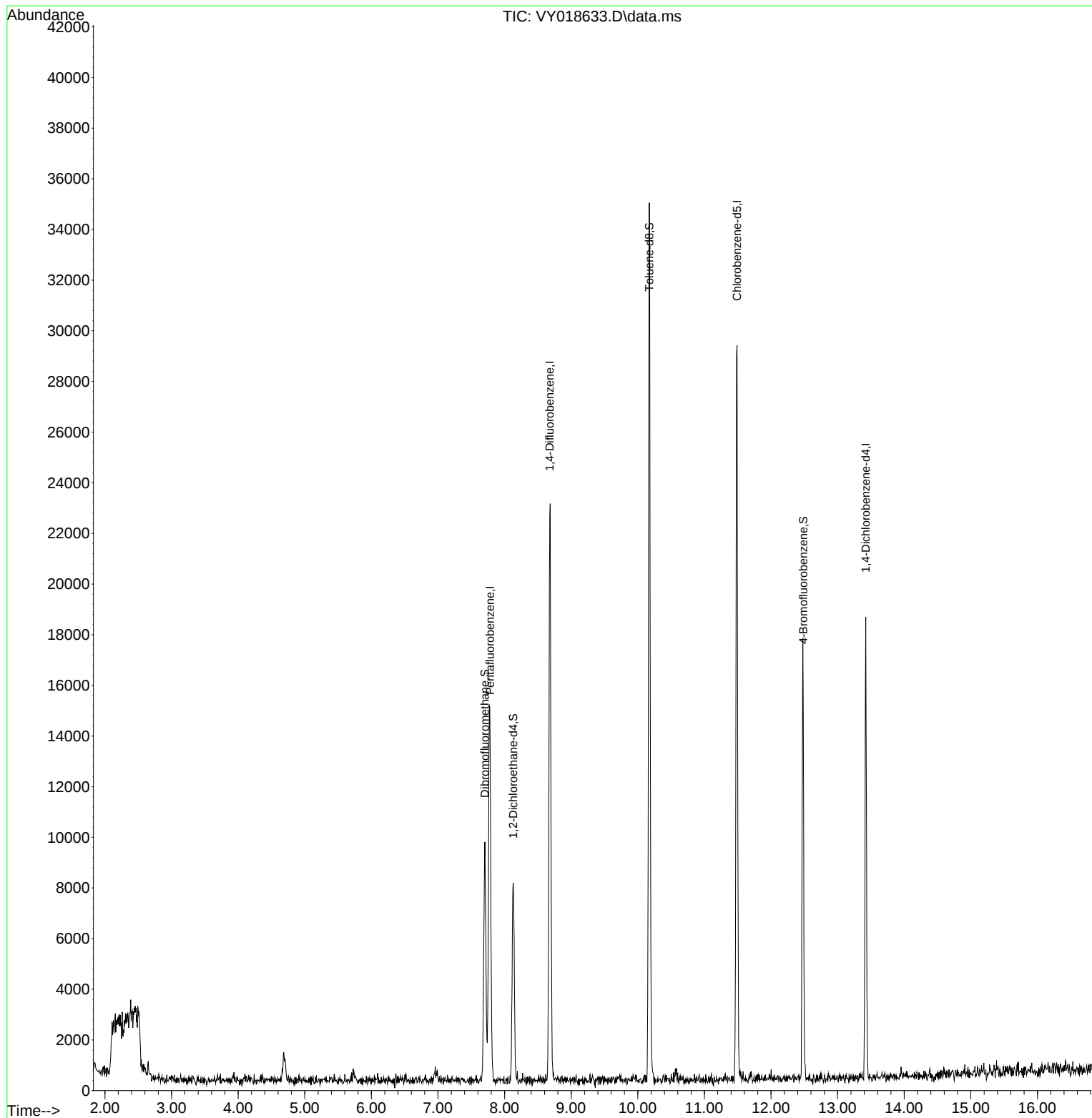
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

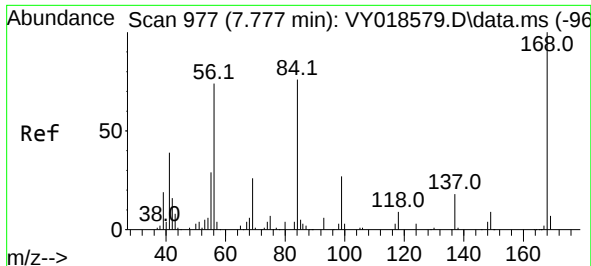
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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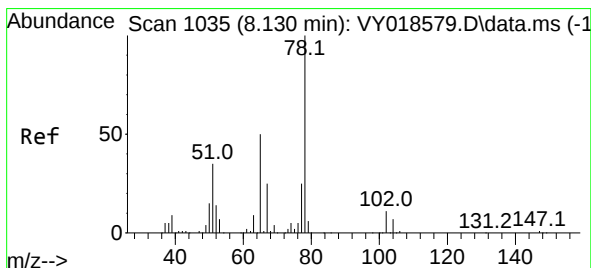
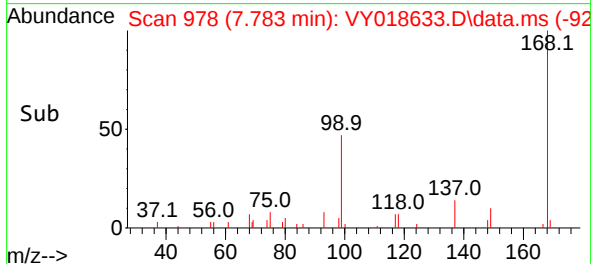
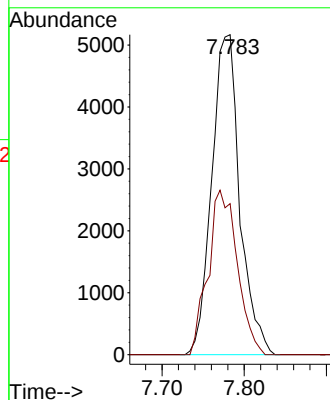
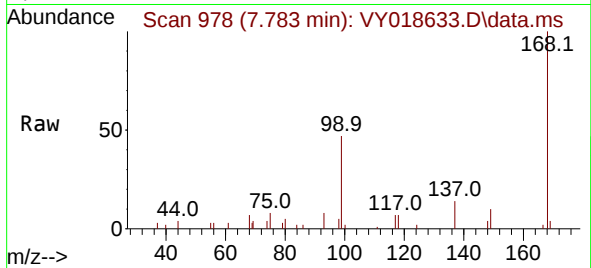




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018633.D  
Acq: 18 Jun 2024 16:56

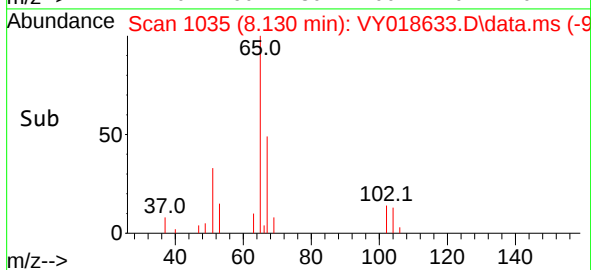
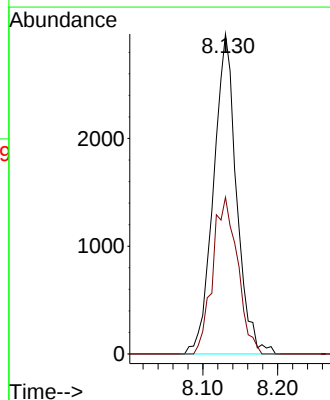
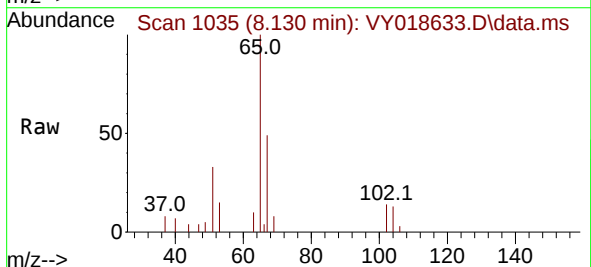
Instrument :  
MSVOA\_Y  
ClientSampleId :  
POLE

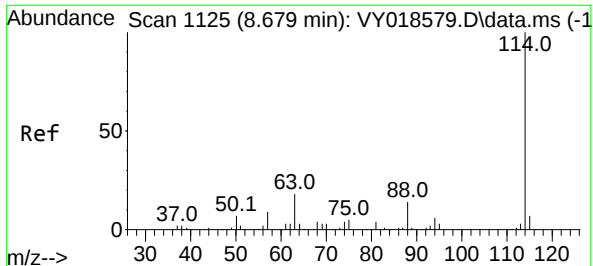
Tgt Ion:168 Resp: 12254  
Ion Ratio Lower Upper  
168 100  
99 47.2 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.568 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: VY018633.D  
Acq: 18 Jun 2024 16:56

Tgt Ion: 65 Resp: 6362  
Ion Ratio Lower Upper  
65 100  
67 52.8 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: VY018633.D

Acq: 18 Jun 2024 16:56

Instrument :

MSVOA\_Y

ClientSampleId :

POLE

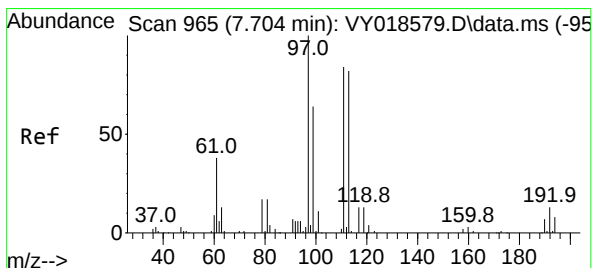
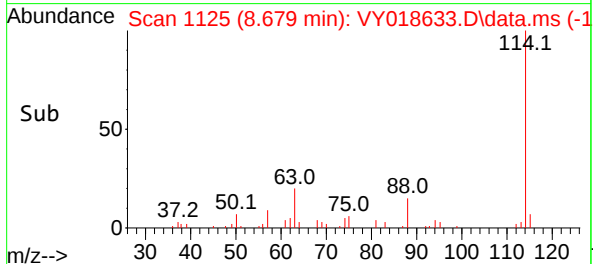
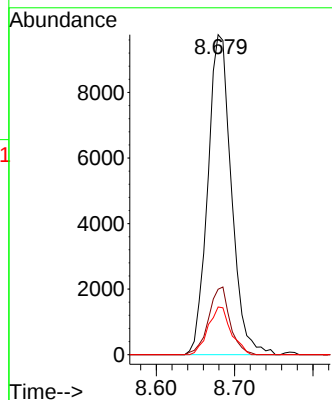
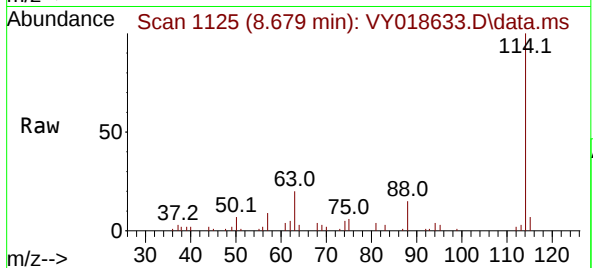
Tgt Ion:114 Resp: 20440

Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.657 ug/l

RT: 7.703 min Scan# 965

Delta R.T. -0.000 min

Lab File: VY018633.D

Acq: 18 Jun 2024 16:56

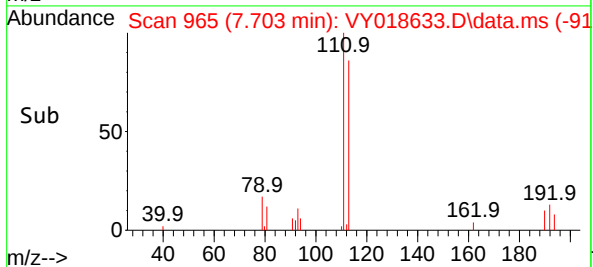
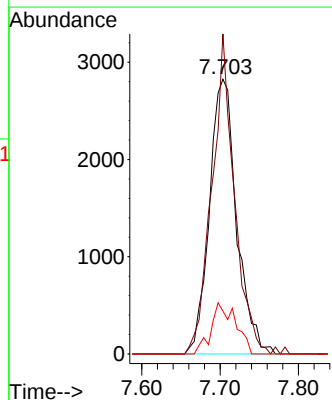
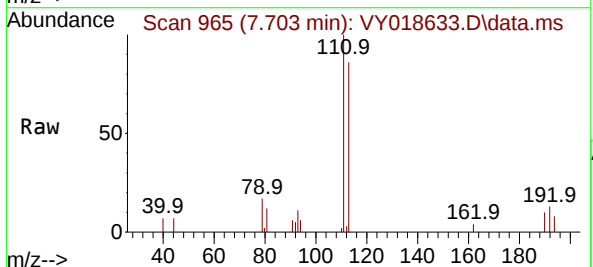
Tgt Ion:113 Resp: 6815

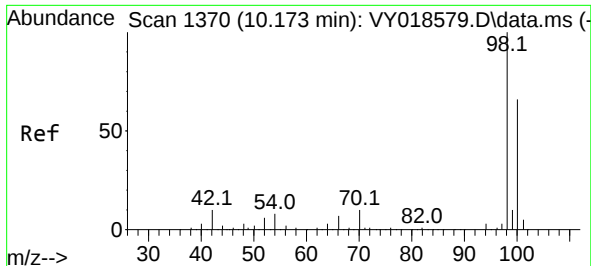
Ion Ratio Lower Upper

113 100

111 96.4 82.2 123.4

192 16.8 15.9 23.9

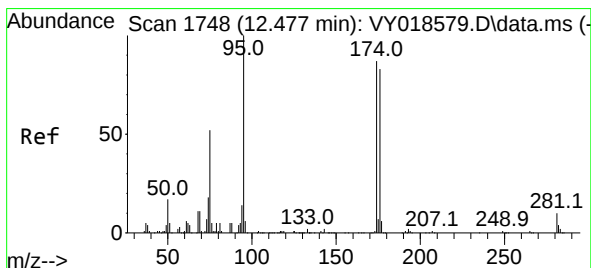
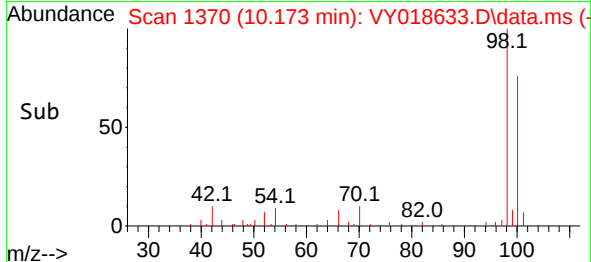
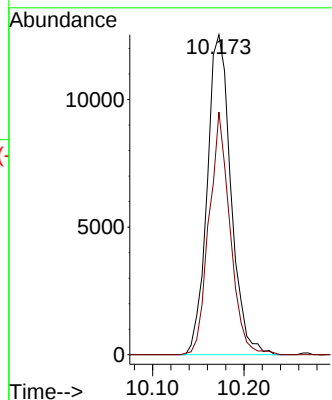
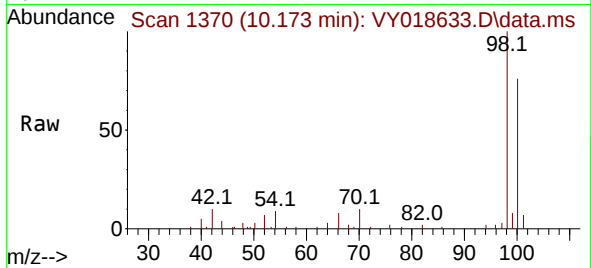




#50  
Toluene-d8  
Concen: 47.268 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY018633.D  
Acq: 18 Jun 2024 16:56

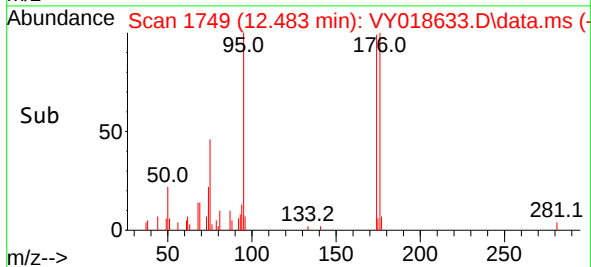
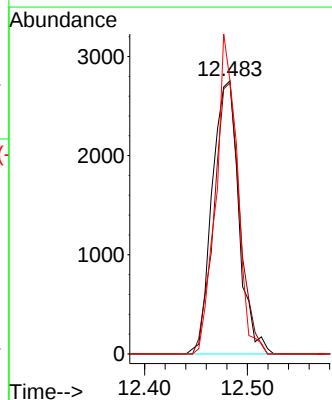
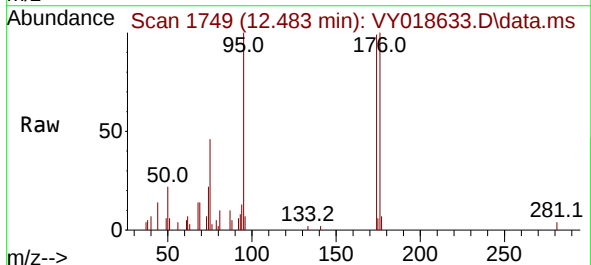
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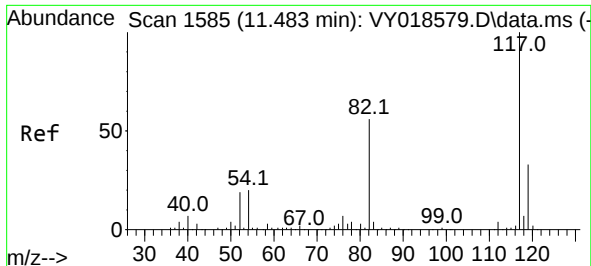
Tgt Ion: 98 Resp: 22665  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 32.712 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY018633.D  
Acq: 18 Jun 2024 16:56

Tgt Ion: 95 Resp: 4953  
Ion Ratio Lower Upper  
95 100  
174 95.4 0.0 175.6  
176 94.2 0.0 171.4

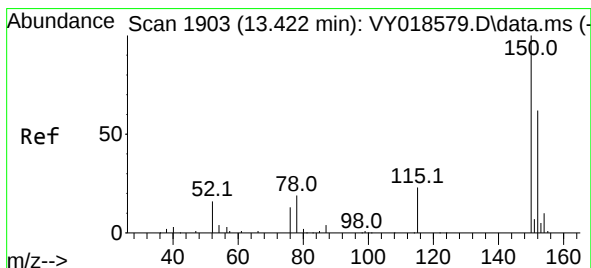
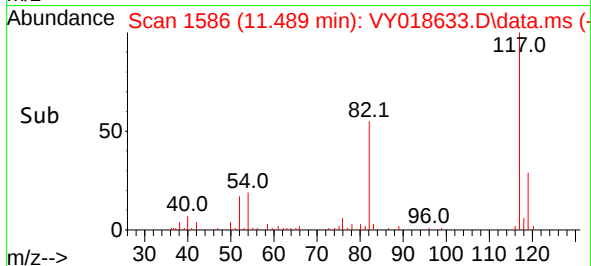
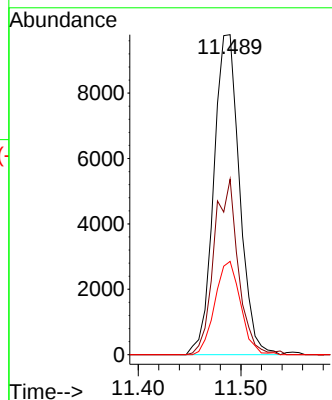
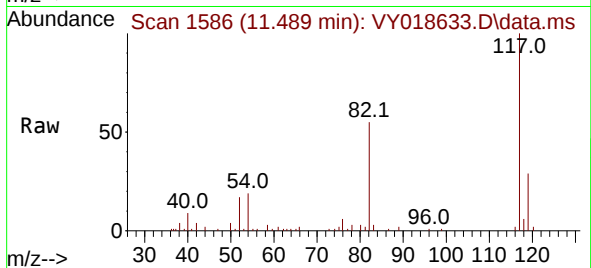




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1170  
Delta R.T. 0.006 min  
Lab File: VY018633.D  
Acq: 18 Jun 2024 16:56

Instrument :  
MSVOA\_Y  
ClientSampleId :  
POLE

Tgt Ion:117 Resp: 17033  
Ion Ratio Lower Upper  
117 100  
82 54.9 42.4 63.6  
119 29.2 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: VY018633.D  
Acq: 18 Jun 2024 16:56

Tgt Ion:152 Resp: 4290  
Ion Ratio Lower Upper  
152 100  
115 64.4 28.2 84.7  
150 156.5 0.0 345.6

