

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111422\  
 Data File : VY011440.D  
 Acq On : 14 Nov 2022 15:25  
 Operator : KP/MD  
 Sample : N5580-01  
 Misc : 5.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-02-111022

Quant Time: Nov 15 01:49:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 254396   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 411247   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 341443   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 134052   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 133676   | 62.707   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 125.420% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 140850   | 61.114   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 122.220% |
| 50) Toluene-d8              | 10.179 | 98    | 487203   | 55.334   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.660% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 144889   | 47.180   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.360%  |

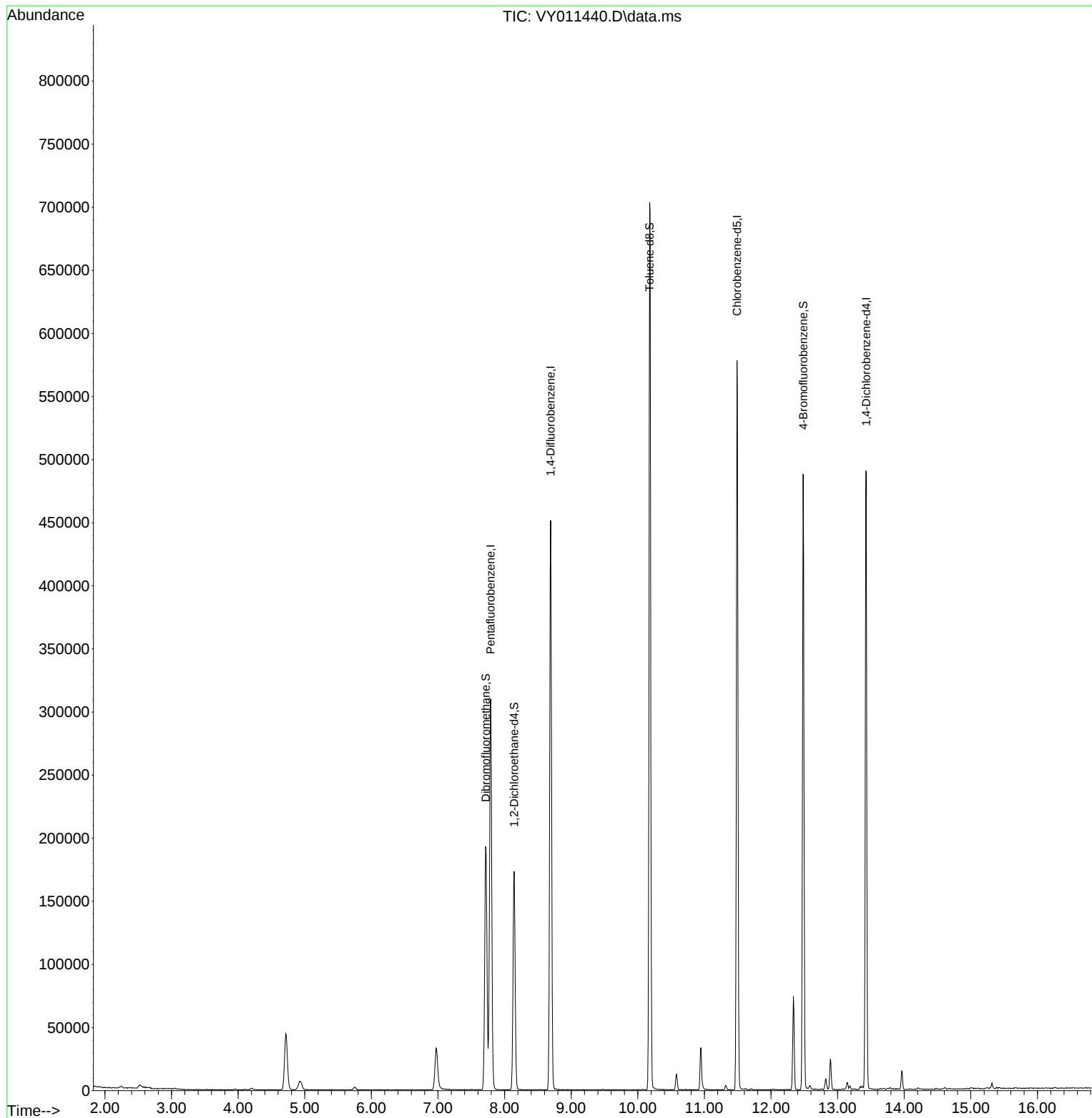
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

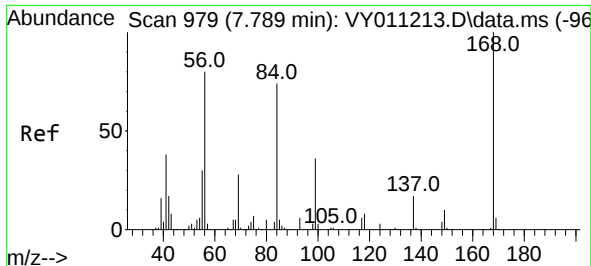
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

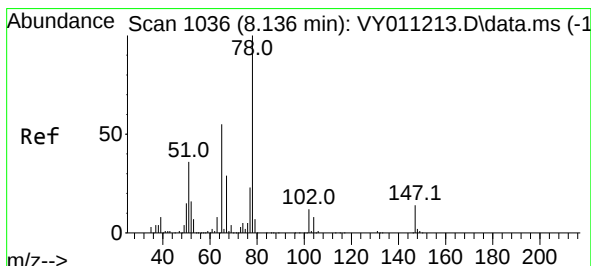
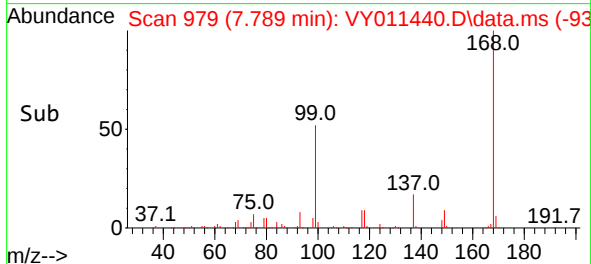
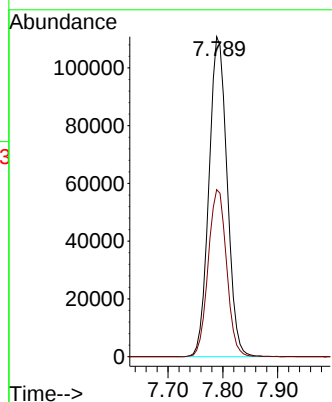
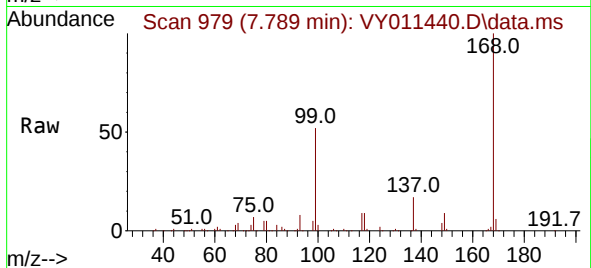




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

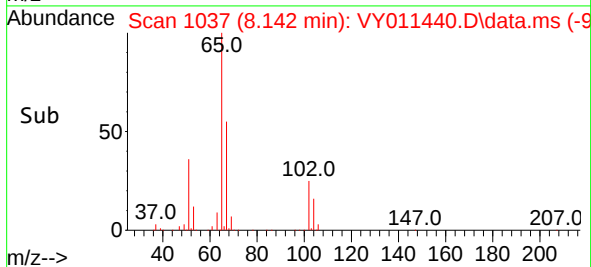
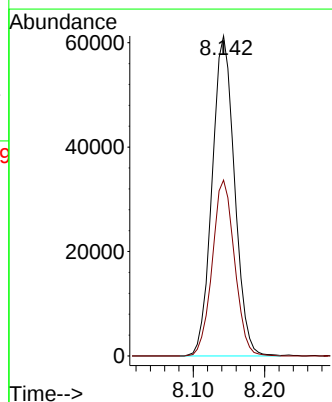
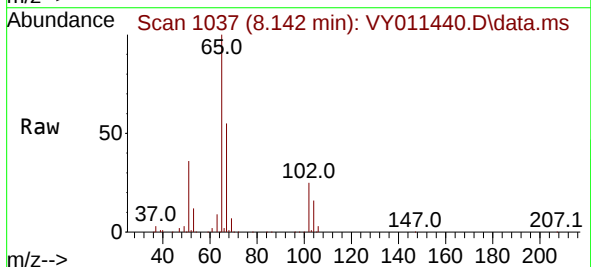
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-02-111022

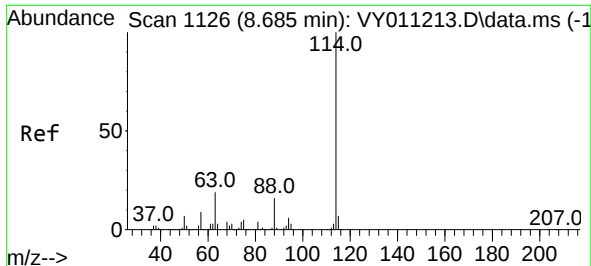
Tgt Ion:168 Resp: 254396  
Ion Ratio Lower Upper  
168 100  
99 52.2 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 62.707 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

Tgt Ion: 65 Resp: 133676  
Ion Ratio Lower Upper  
65 100  
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011440.D

Acq: 14 Nov 2022 15:25

Instrument :

MSVOA\_Y

ClientSampleId :

SU-02-111022

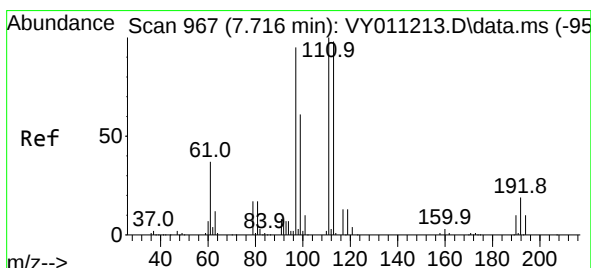
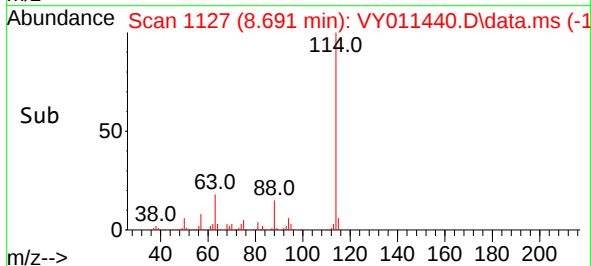
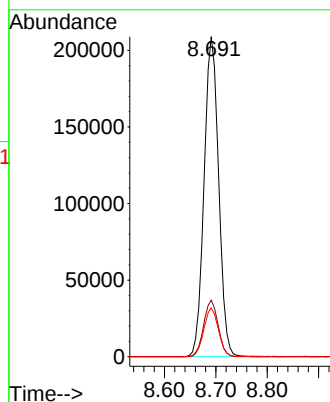
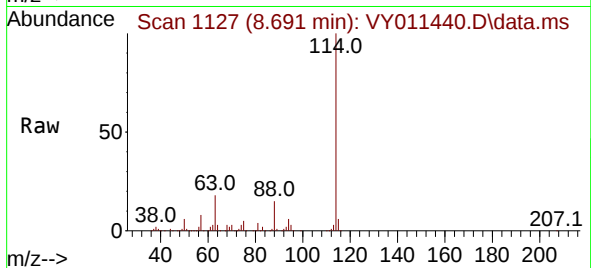
Tgt Ion:114 Resp: 411247

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.114 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011440.D

Acq: 14 Nov 2022 15:25

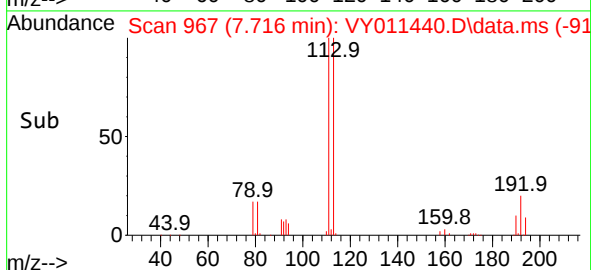
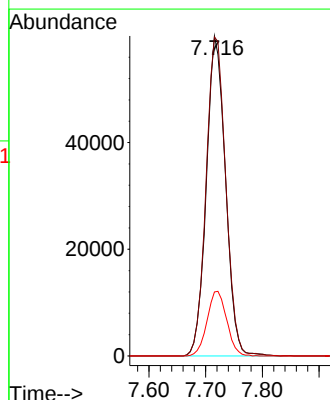
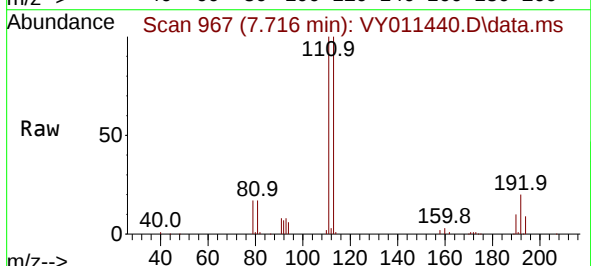
Tgt Ion:113 Resp: 140850

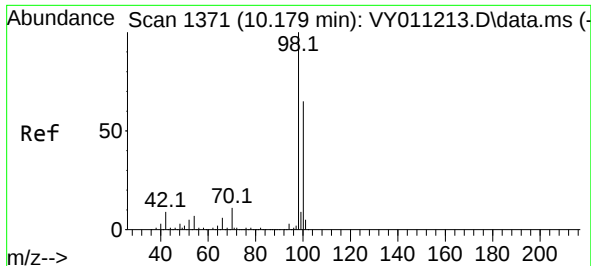
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 20.7 17.6 26.4

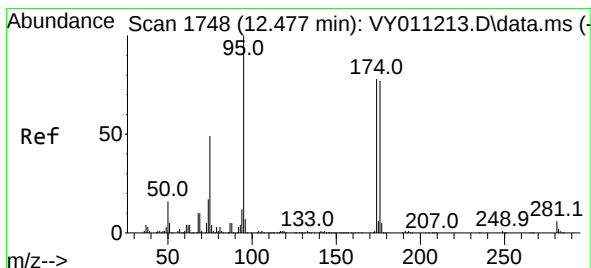
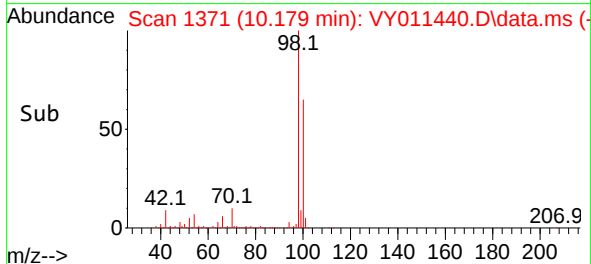
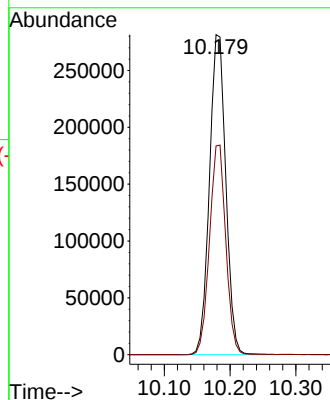
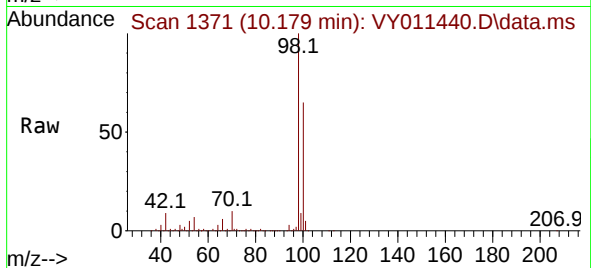




#50  
Toluene-d8  
Concen: 55.334 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

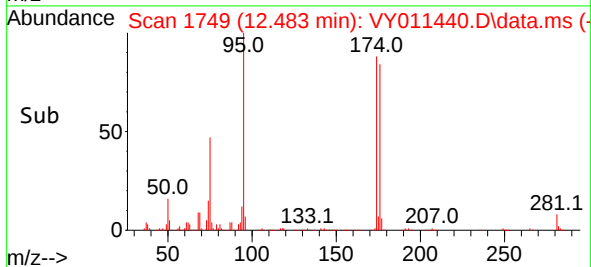
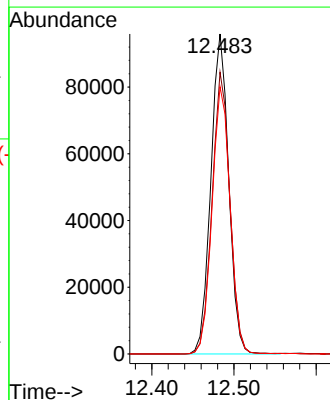
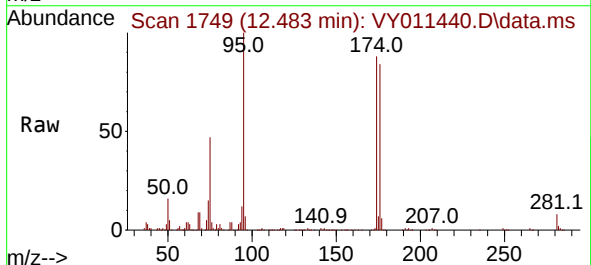
Instrument :  
MSVOA\_Y  
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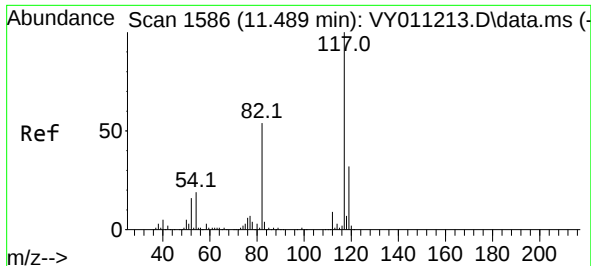
Tgt Ion: 98 Resp: 487203  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 47.180 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

Tgt Ion: 95 Resp: 144889  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 177.0  
176 84.7 0.0 175.8

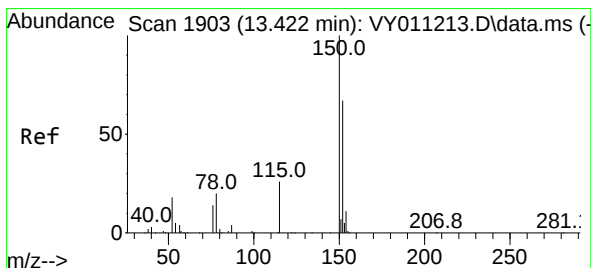
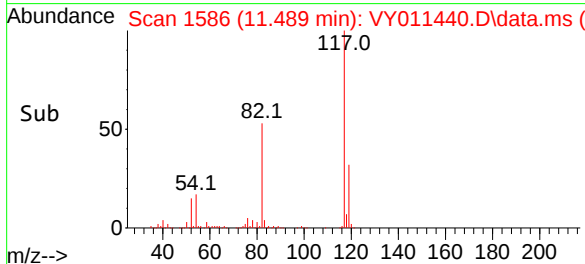
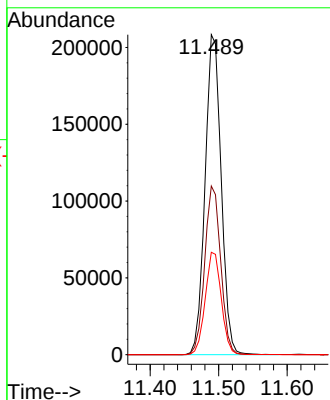
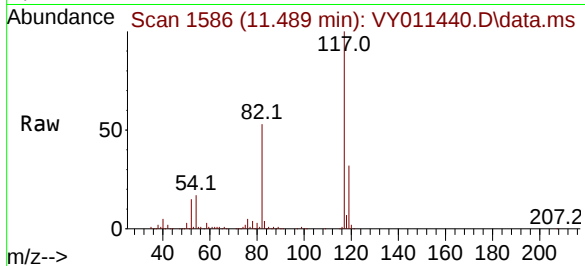




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-02-111022

Tgt Ion:117 Resp: 341443  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.0 64.4  
119 32.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY011440.D  
Acq: 14 Nov 2022 15:25

Tgt Ion:152 Resp: 134052  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.2 84.7  
150 157.4 0.0 347.6

