

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012723\  
 Data File : VY012383.D  
 Acq On : 27 Jan 2023 15:06  
 Operator : KP/MD  
 Sample : 01328-15  
 Misc : 7.97g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TOTAL-VOC-BORING-1-14-23-GRAB-8

Quant Time: Jan 30 02:42:16 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 97052    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 144320   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 117755   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 48930    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 40031    | 49.742   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.480%  |
| 35) Dibromofluoromethane    | 7.715  | 113   | 38114    | 49.876   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.760%  |
| 50) Toluene-d8              | 10.178 | 98    | 165092   | 63.524   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 127.040% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 42158    | 39.135   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 78.260%  |

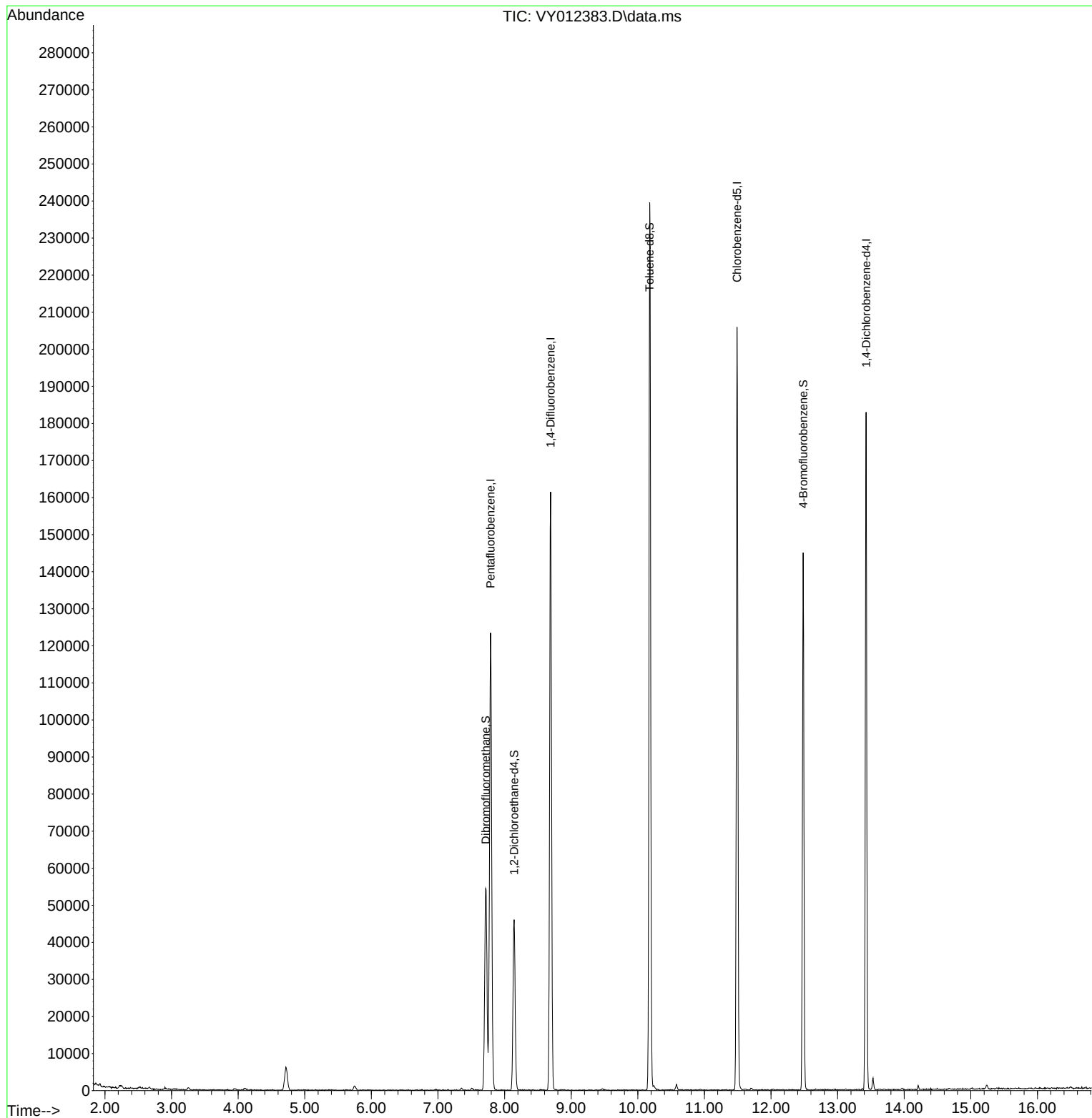
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

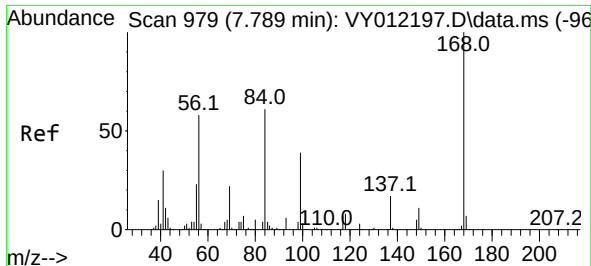
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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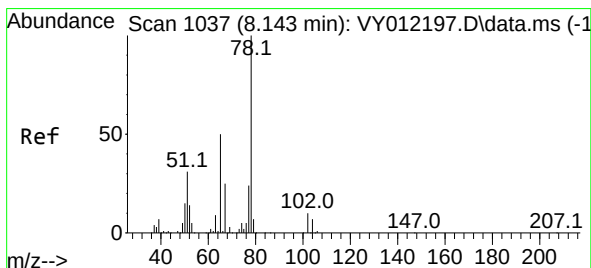
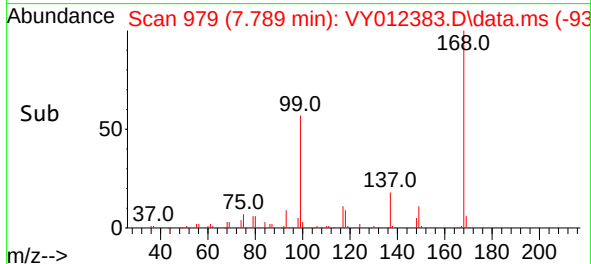
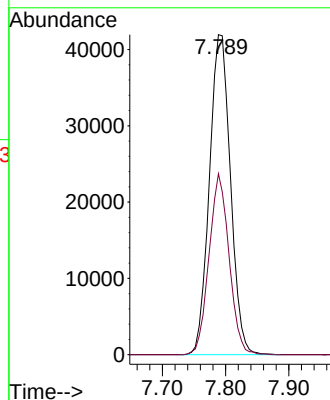
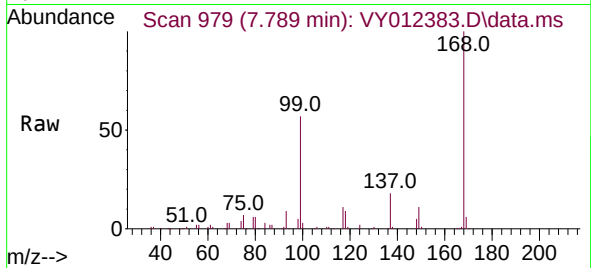




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012383.D  
Acq: 27 Jan 2023 15:06

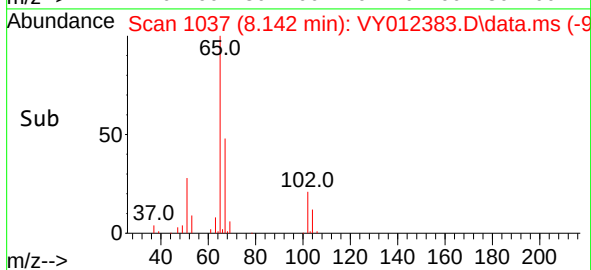
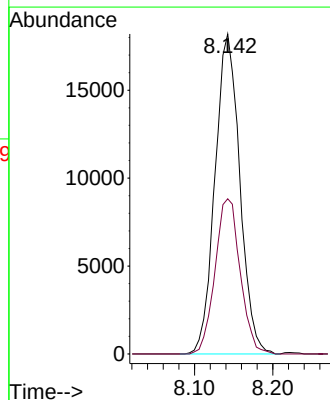
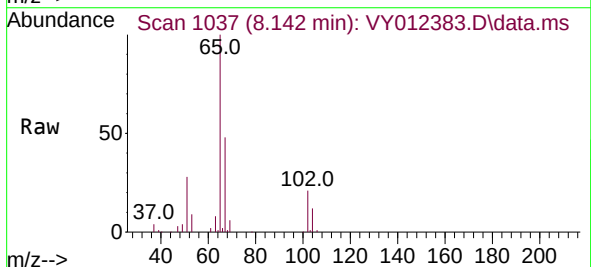
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TOTAL-VOC-BORING-1-14-23-GRAB-8

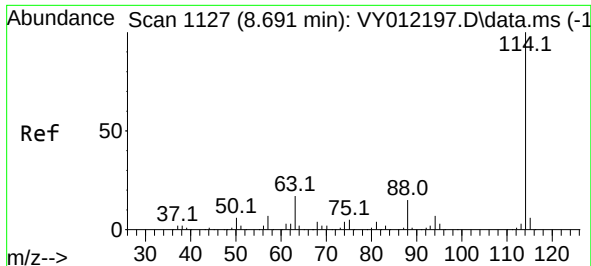
Tgt Ion:168 Resp: 97052  
Ion Ratio Lower Upper  
168 100  
99 56.6 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 49.742 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012383.D  
Acq: 27 Jan 2023 15:06

Tgt Ion: 65 Resp: 40031  
Ion Ratio Lower Upper  
65 100  
67 49.2 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: VY012383.D

Acq: 27 Jan 2023 15:06

Instrument :

MSVOA\_Y

ClientSampleId :

TOTAL-VOC-BORING-1-14-23-GRAB-8

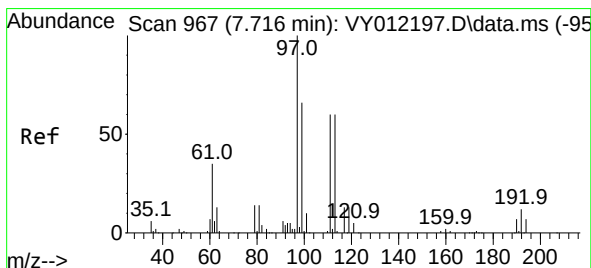
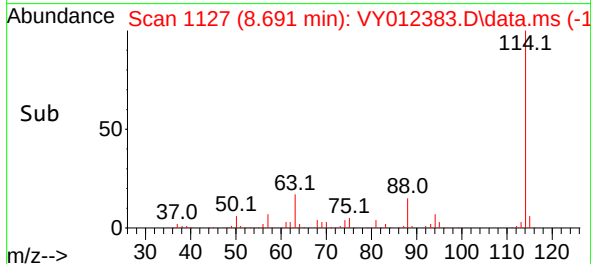
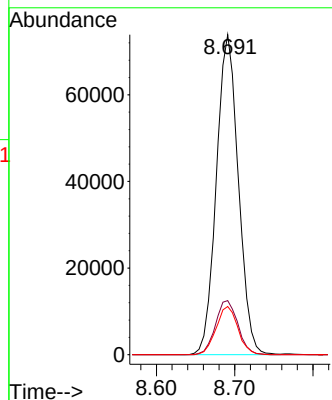
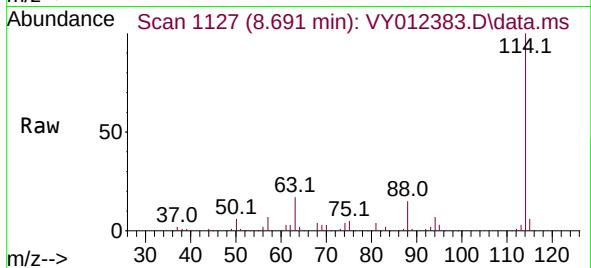
Tgt Ion:114 Resp: 144320

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.876 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY012383.D

Acq: 27 Jan 2023 15:06

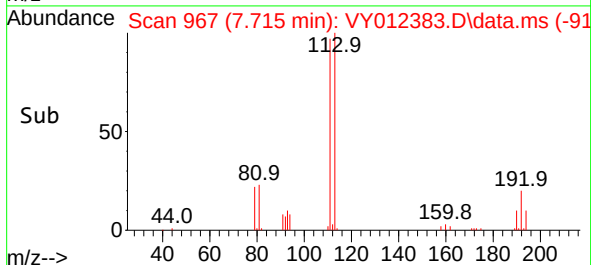
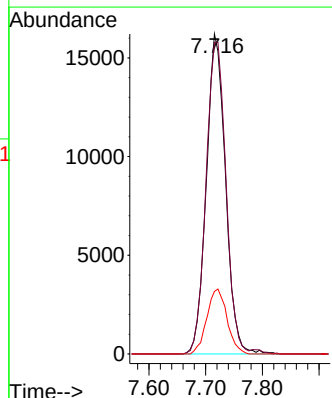
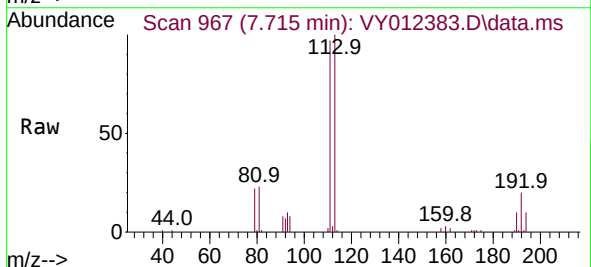
Tgt Ion:113 Resp: 38114

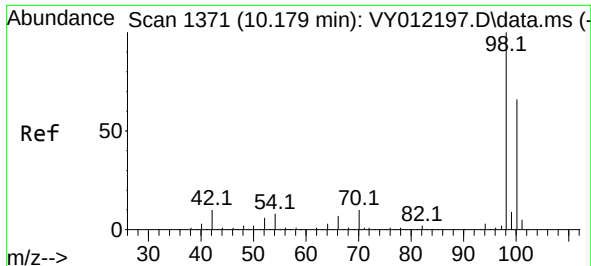
Ion Ratio Lower Upper

113 100

111 100.8 83.0 124.4

192 21.3 16.0 24.0

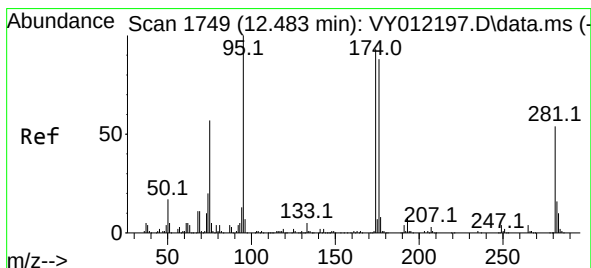
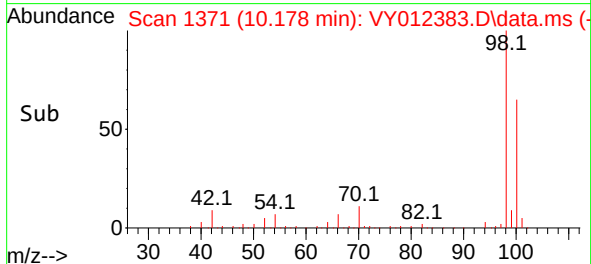
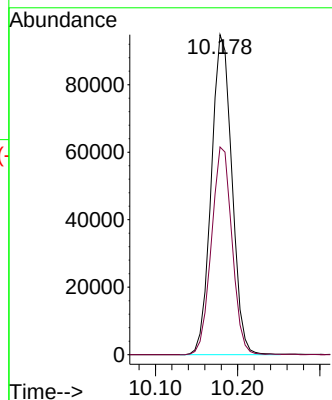
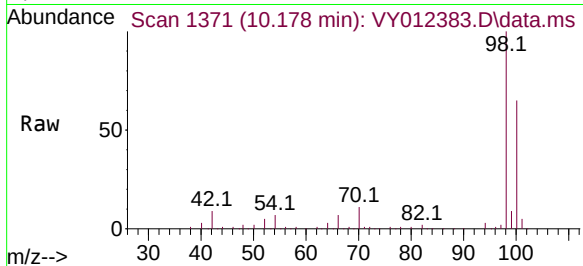




#50  
Toluene-d8  
Concen: 63.524 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012383.D  
Acq: 27 Jan 2023 15:06

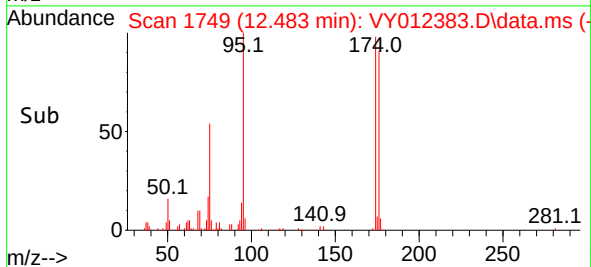
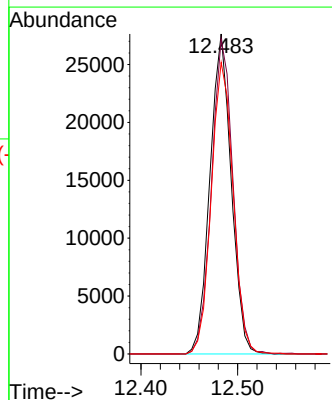
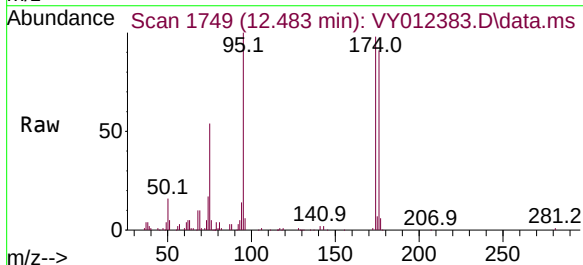
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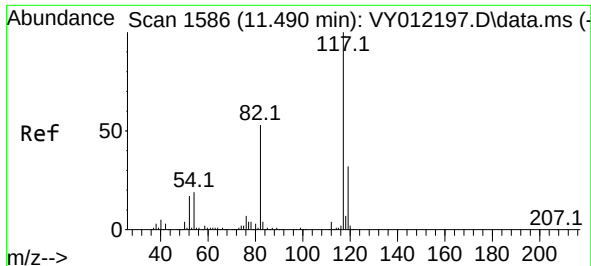
Tgt Ion: 98 Resp: 165092  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 39.135 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY012383.D  
Acq: 27 Jan 2023 15:06

Tgt Ion: 95 Resp: 42158  
Ion Ratio Lower Upper  
95 100  
174 99.2 0.0 172.0  
176 93.5 0.0 167.6

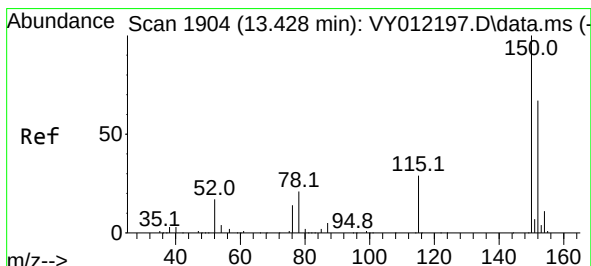
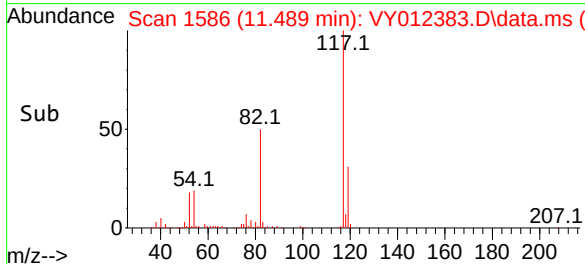
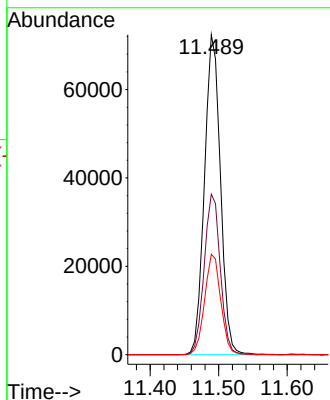
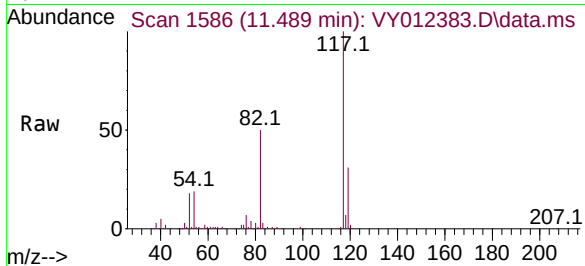




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117755  
Delta R.T. -0.001 min  
Lab File: VY012383.D  
Acq: 27 Jan 2023 15:06

Instrument : MSVOA\_Y  
ClientSampleId : TOTAL-VOC-BORING-1-14-23-GRAB-8

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 117755 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.1  | 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: VY012383.D  
Acq: 27 Jan 2023 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 48930 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 55.9  | 29.1  | 87.3  |
| 150       | 156.7 | 0.0   | 342.6 |

