

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021623\  
 Data File : VY012633.D  
 Acq On : 16 Feb 2023 13:15  
 Operator : KP/MD  
 Sample : 01559-03  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-RW10-GW-798-800

Quant Time: Feb 16 21:58:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 158412   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 264553   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 271132   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 137675   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 97092    | 48.199   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.400% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 79396    | 41.210   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 82.420% |
| 50) Toluene-d8              | 10.179 | 98    | 315322   | 39.321   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 78.640% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 115264   | 41.208   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 82.420% |

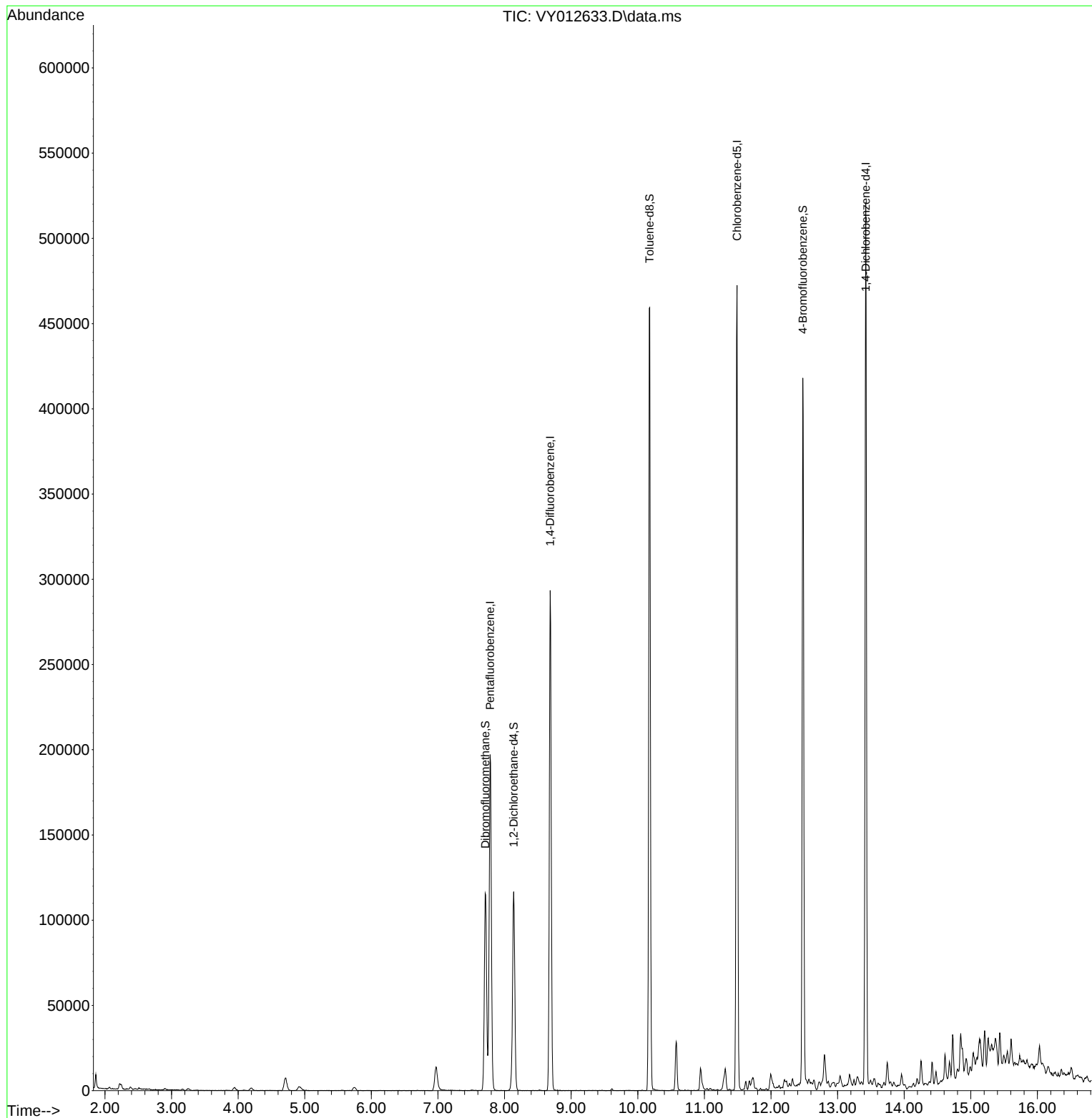
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

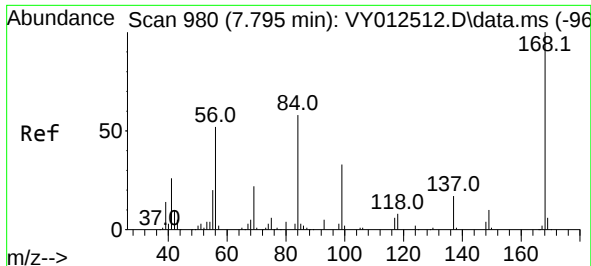
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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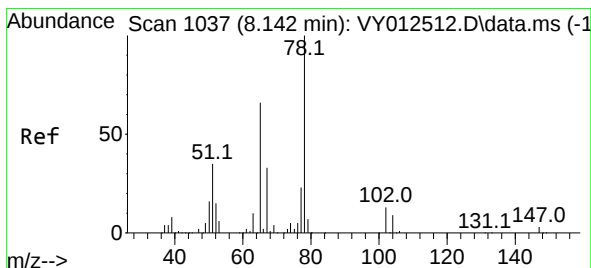
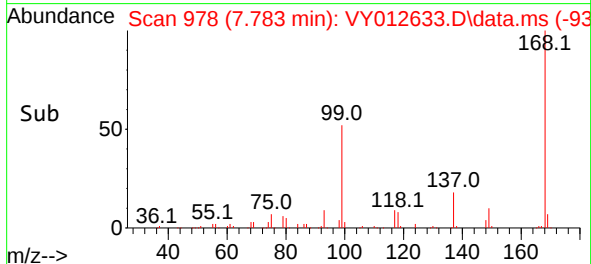
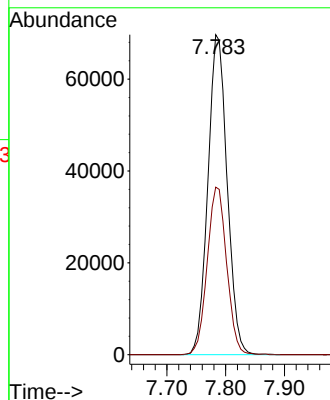
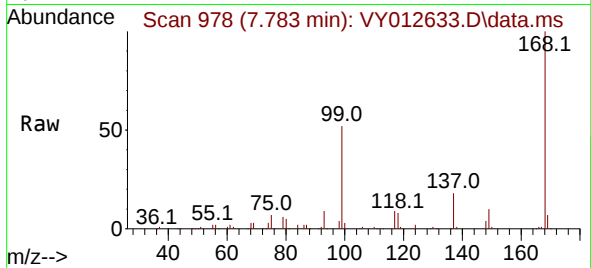




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

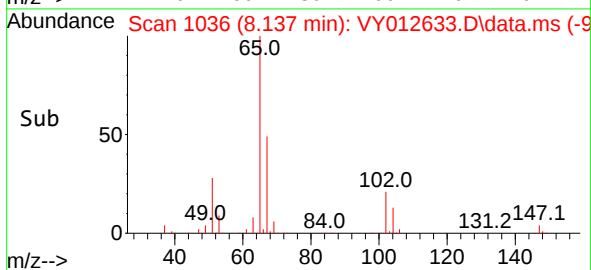
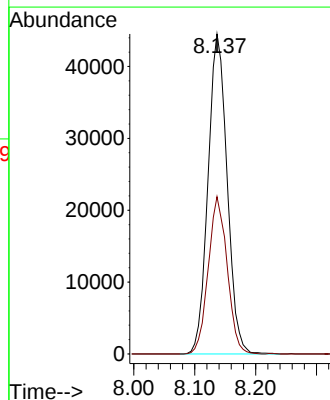
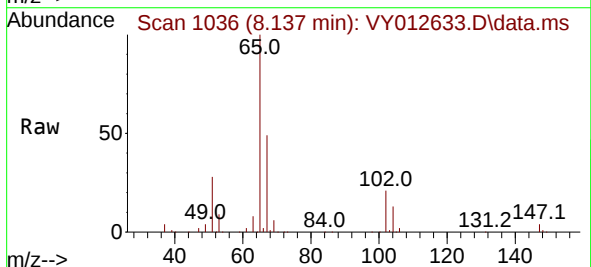
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW10-GW-798-800

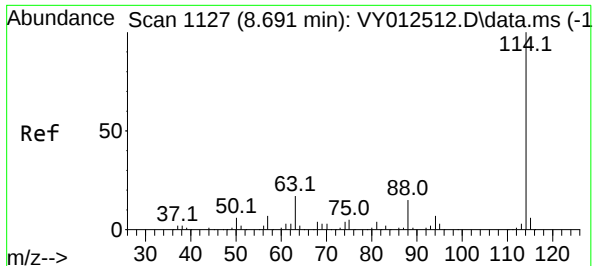
Tgt Ion:168 Resp: 158412  
Ion Ratio Lower Upper  
168 100  
99 52.4 40.8 61.2



#33  
1,2-Dichloroethane-d4  
Concen: 48.199 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion: 65 Resp: 97092  
Ion Ratio Lower Upper  
65 100  
67 48.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-RW10-GW-798-800

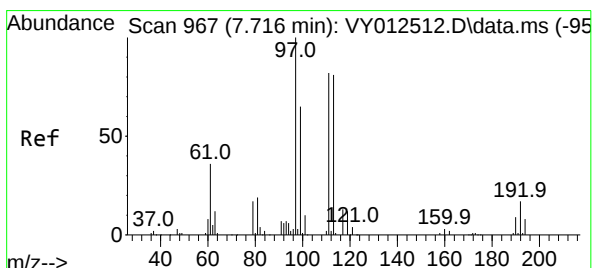
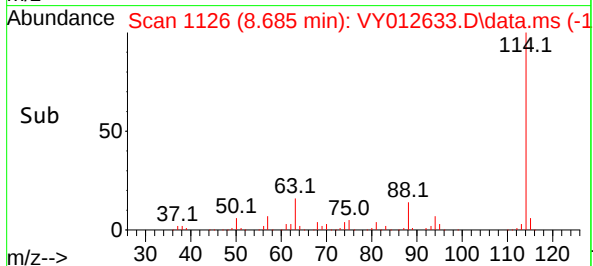
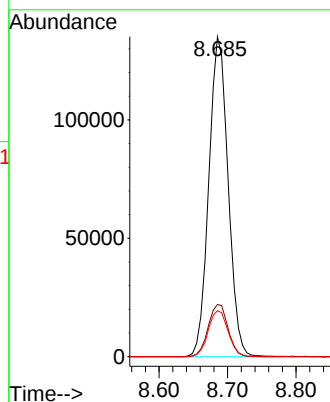
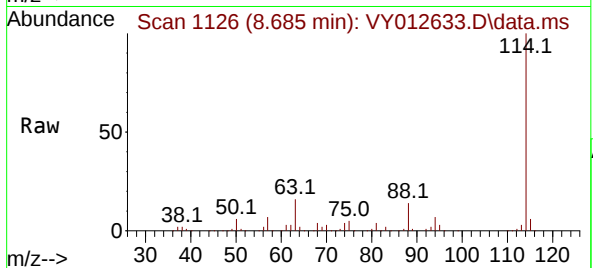
Tgt Ion:114 Resp: 264553

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.210 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012633.D

Acq: 16 Feb 2023 13:15

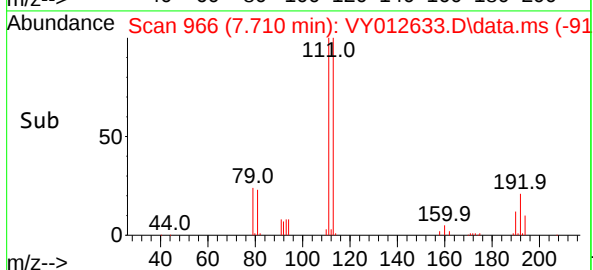
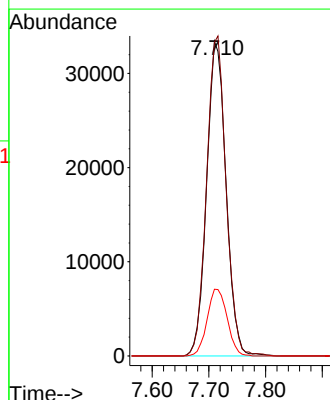
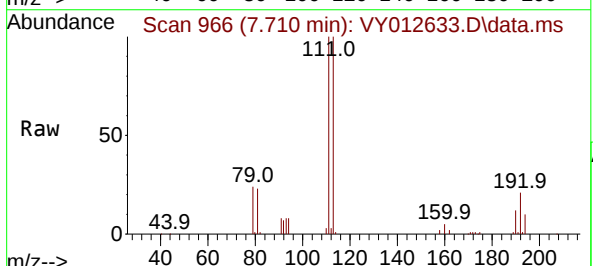
Tgt Ion:113 Resp: 79396

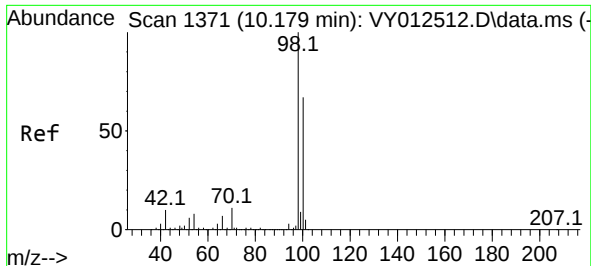
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 21.9 17.5 26.3

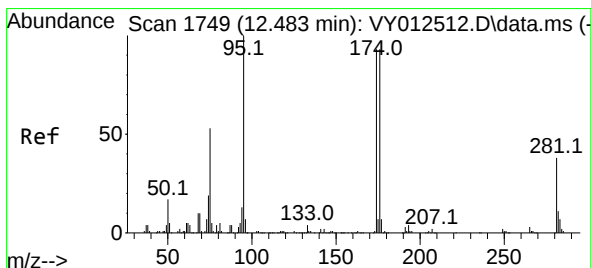
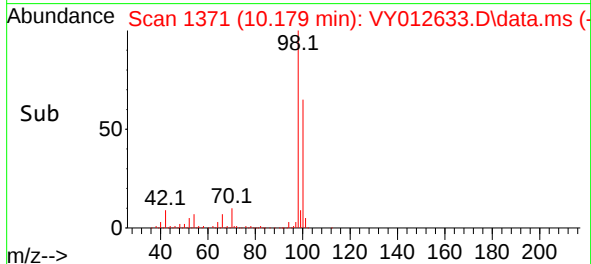
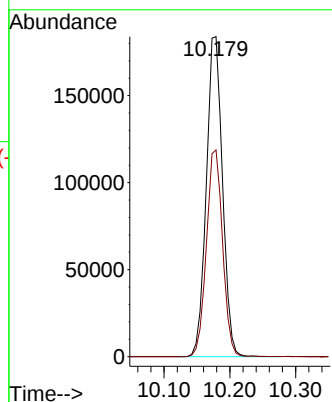
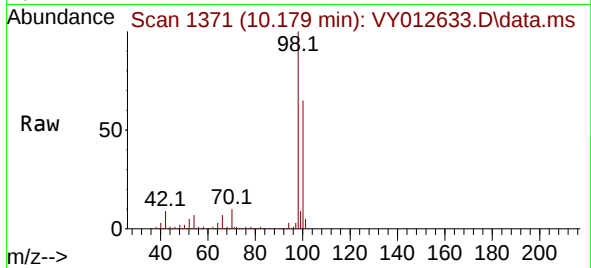




#50  
Toluene-d8  
Concen: 39.321 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

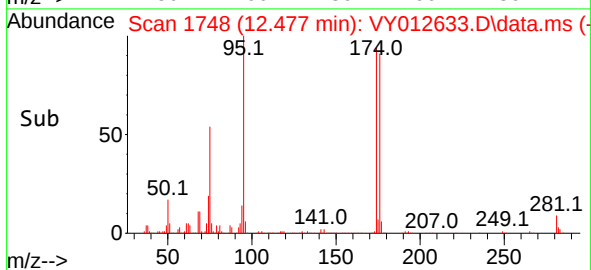
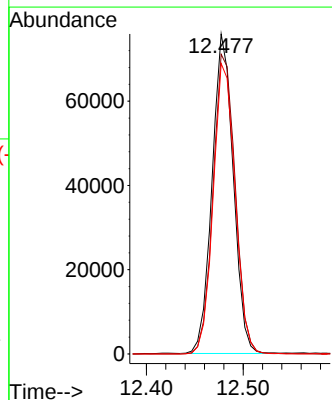
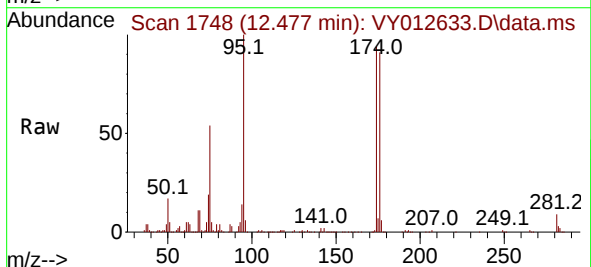
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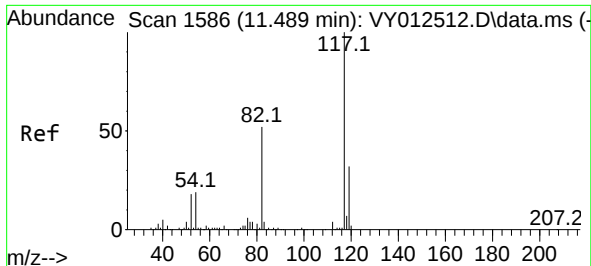
Tgt Ion: 98 Resp: 315322  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 41.208 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion: 95 Resp: 115264  
Ion Ratio Lower Upper  
95 100  
174 98.4 0.0 188.0  
176 93.9 0.0 183.6

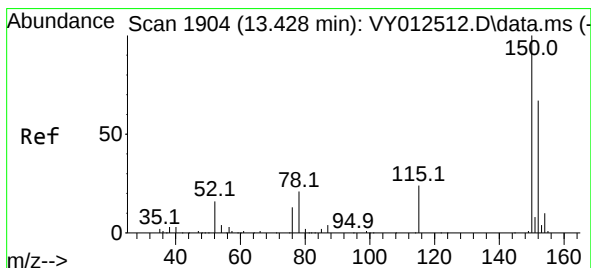
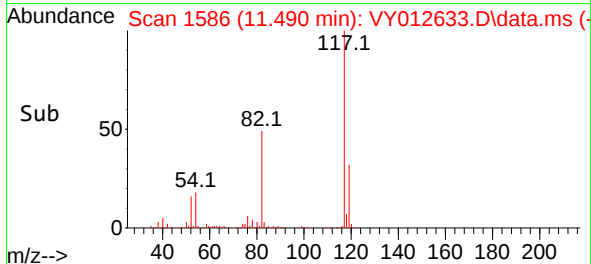
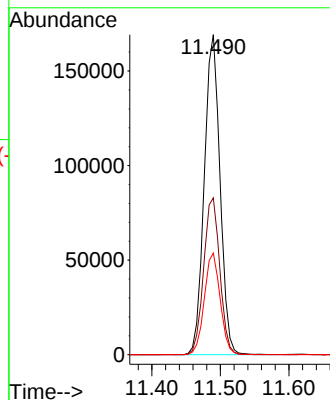
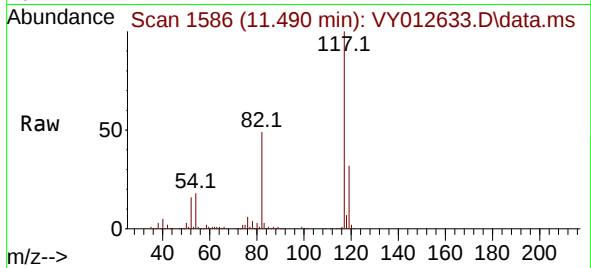




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-RW10-GW-798-800

Tgt Ion:117 Resp: 271132  
Ion Ratio Lower Upper  
117 100  
82 49.0 41.7 62.5  
119 31.7 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY012633.D  
Acq: 16 Feb 2023 13:15

Tgt Ion:152 Resp: 137675  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.1 84.3  
150 155.3 0.0 351.0

