

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090922\  
 Data File : VY010434.D  
 Acq On : 09 Sep 2022 21:39  
 Operator : KP/MD  
 Sample : N4530-13  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-23-7.5-8.0

Quant Time: Sep 12 03:01:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090922S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 09 17:08:30 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 215986   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 360835   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 334577   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 150163   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 110809   | 50.939   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 101.880% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 109257   | 42.634   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 85.260%  |
| 50) Toluene-d8              | 10.179 | 98    | 424435   | 51.103   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.200% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 139343   | 41.249   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 82.500%  |

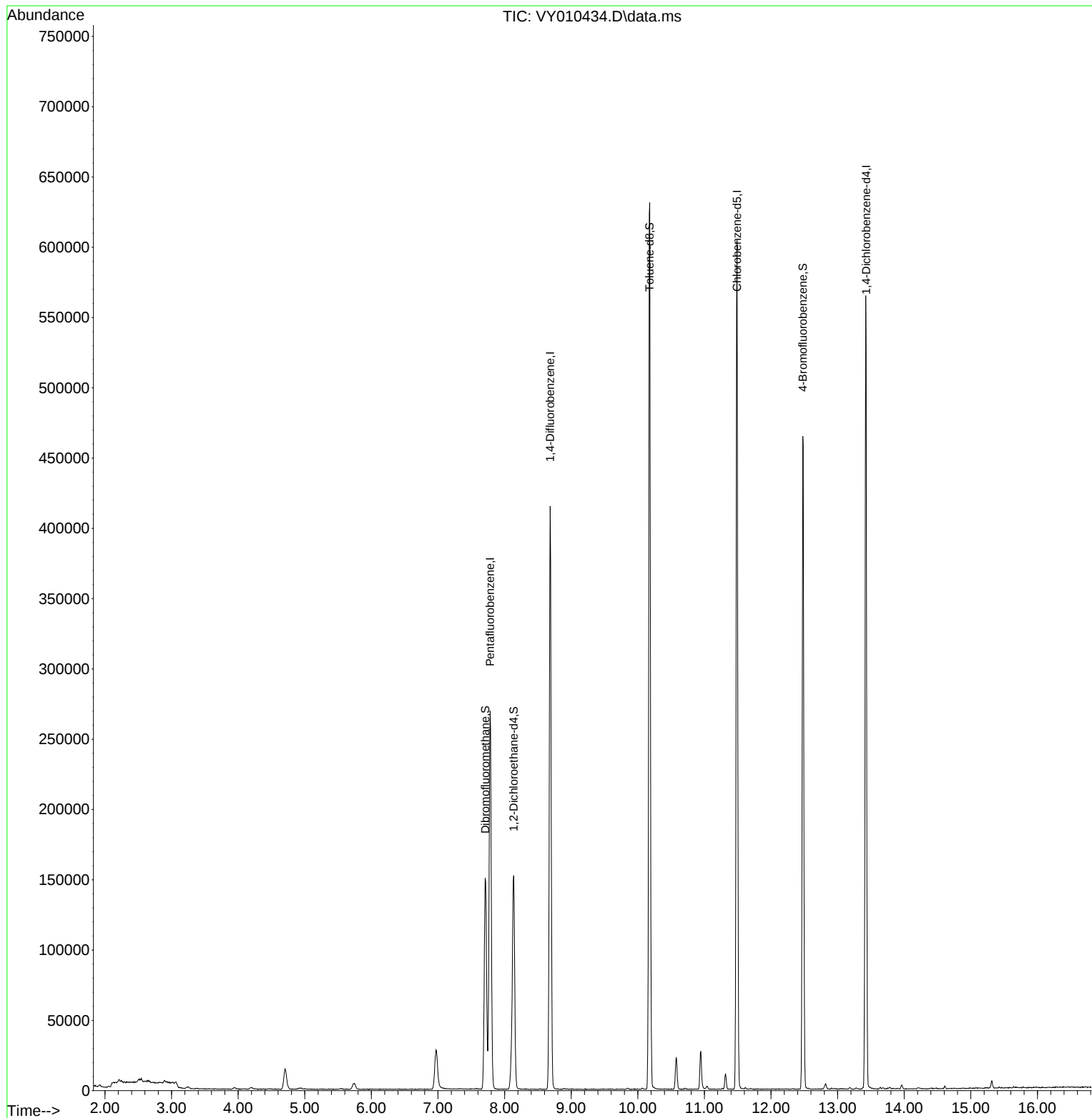
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

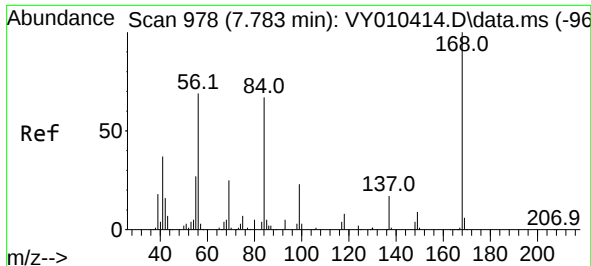
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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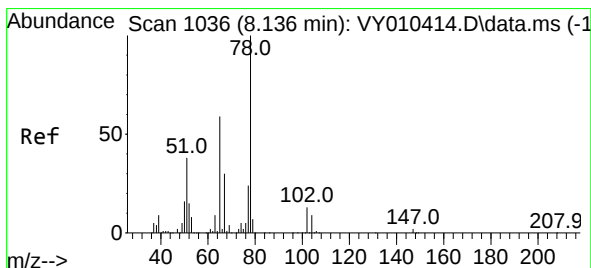
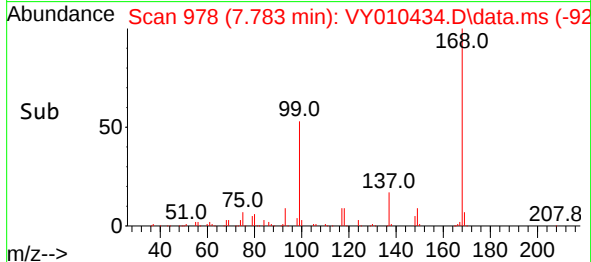
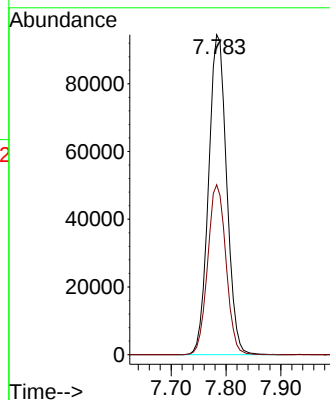
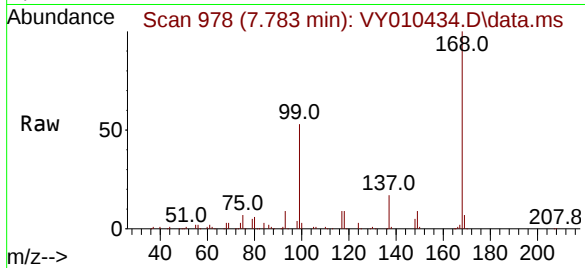




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

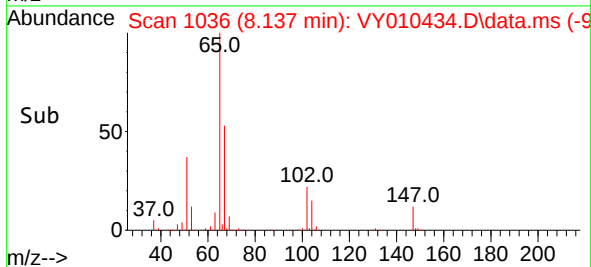
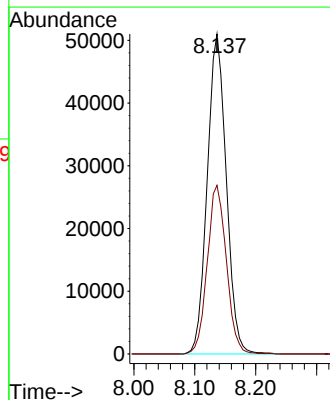
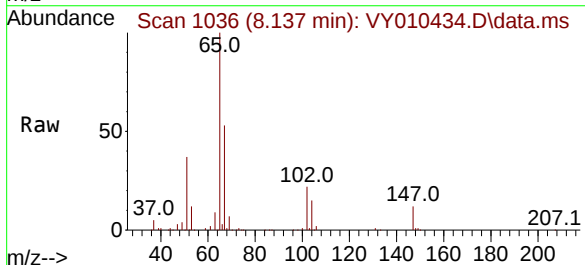
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-23-7.5-8.0

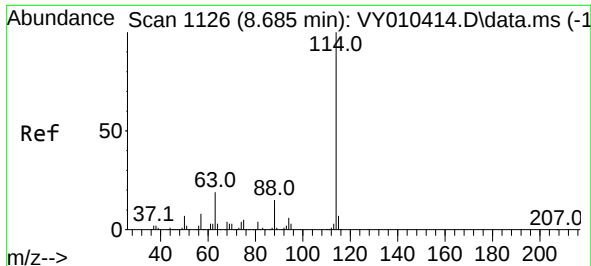
Tgt Ion:168 Resp: 215986  
Ion Ratio Lower Upper  
168 100  
99 53.1 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 50.939 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

Tgt Ion: 65 Resp: 110809  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 99.4

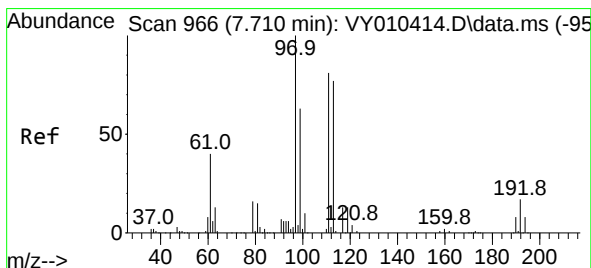
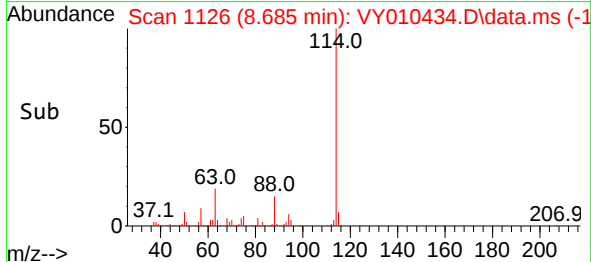
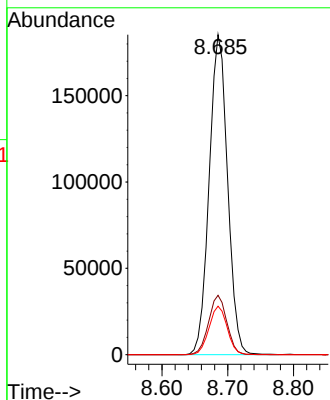
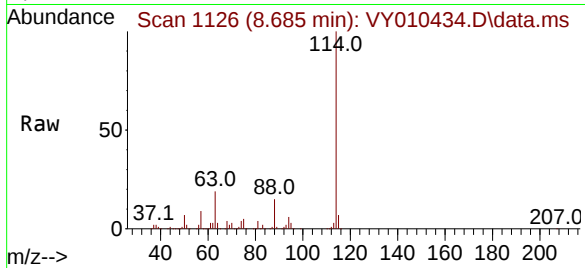




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

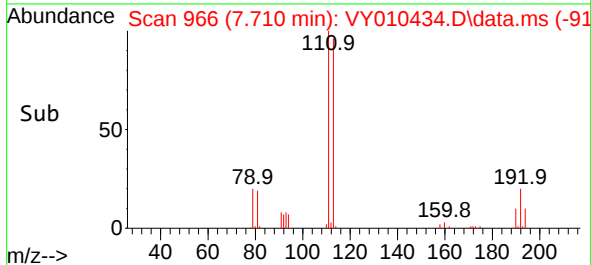
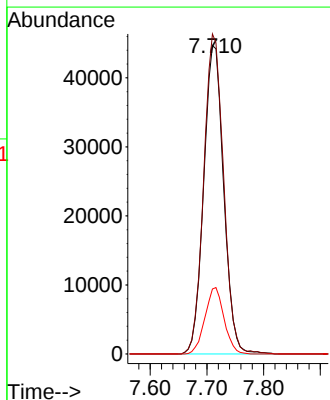
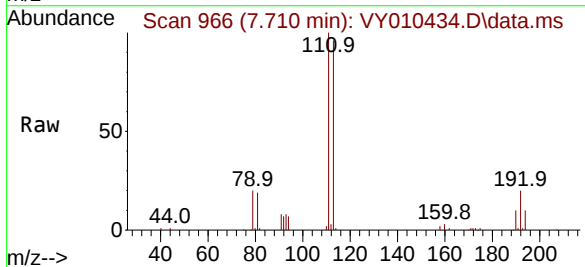
Instrument :  
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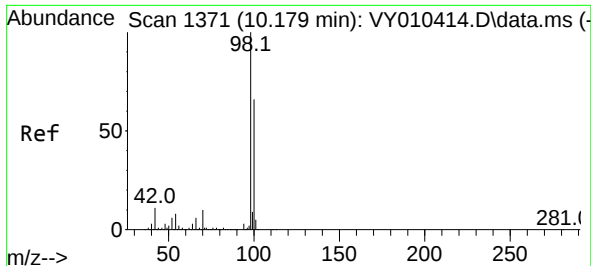
Tgt Ion:114 Resp: 360835  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 43.2  
88 15.1 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 42.634 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

Tgt Ion:113 Resp: 109257  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.6 124.0  
192 20.6 17.6 26.4

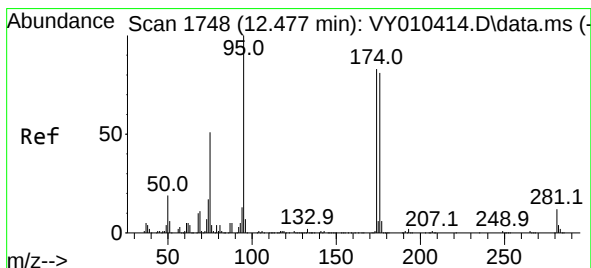
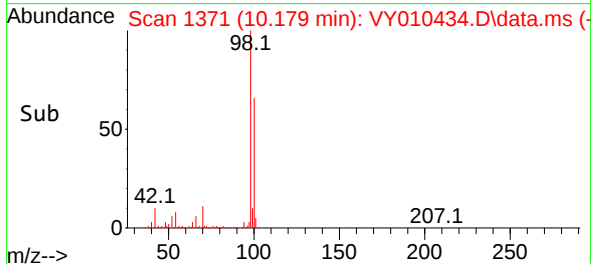
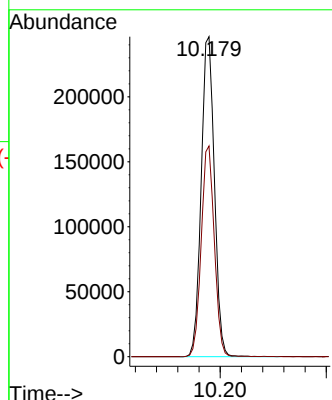
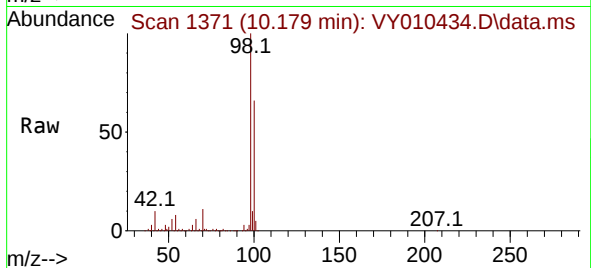




#50  
Toluene-d8  
Concen: 51.103 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

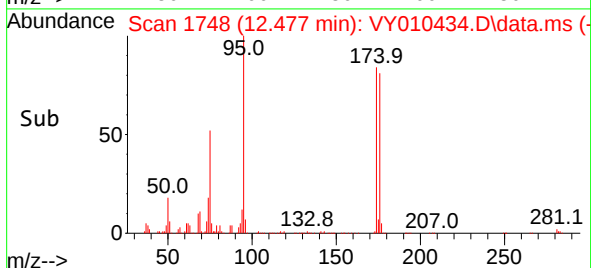
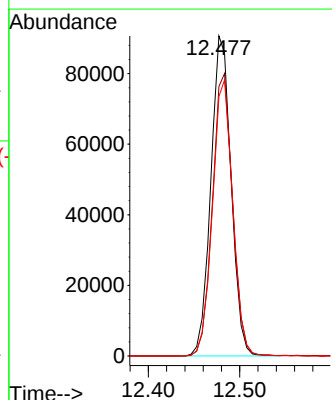
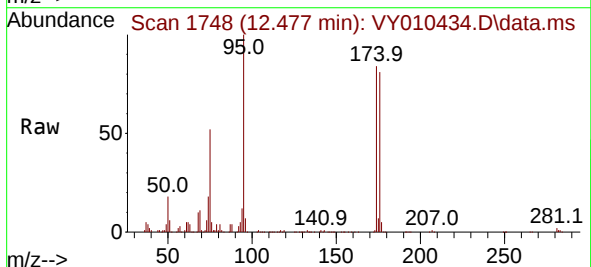
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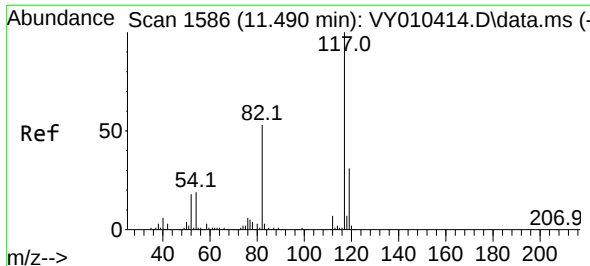
Tgt Ion: 98 Resp: 424435  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.249 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

Tgt Ion: 95 Resp: 139343  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 177.0  
176 86.3 0.0 175.8

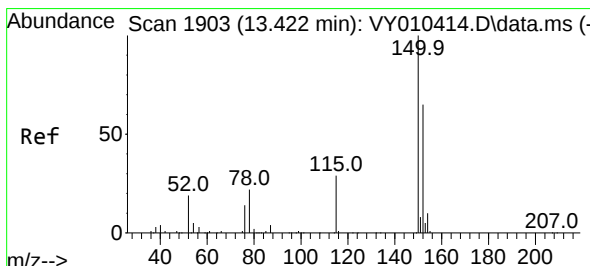
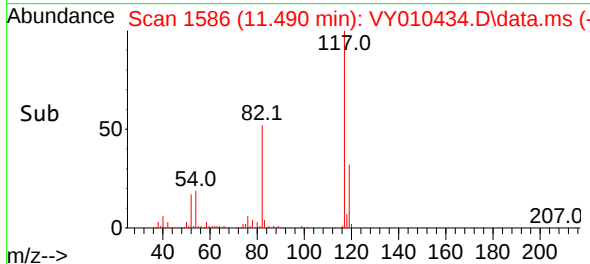
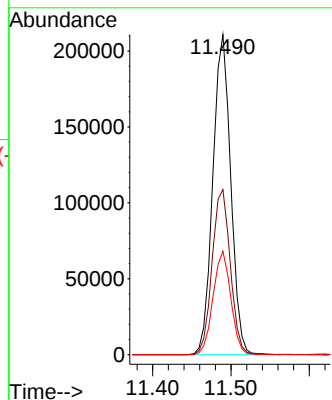
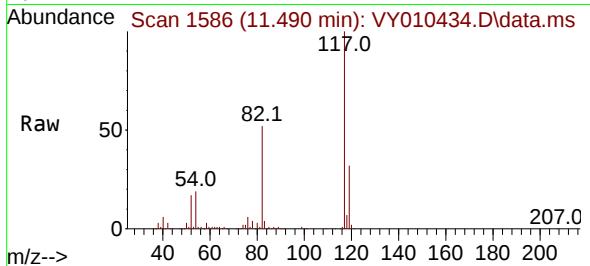




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010434.D  
Acq: 09 Sep 2022 21:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-23-7.5-8.0

Tgt Ion:117 Resp: 334577  
Ion Ratio Lower Upper  
117 100  
82 51.6 43.0 64.4  
119 32.3 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: VY010434.D  
Acq: 09 Sep 2022 21:39

Tgt Ion:152 Resp: 150163  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.2 84.7  
150 158.2 0.0 347.6

