

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102622\  
 Data File : VY011113.D  
 Acq On : 26 Oct 2022 14:04  
 Operator : KP/MD  
 Sample : N5281-02  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: Oct 27 04:38:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 299085   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 527121   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 450560   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 184332   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 123859   | 44.958   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.920% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 131237   | 44.424   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.840% |
| 50) Toluene-d8              | 10.179 | 98    | 409451   | 37.202   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 74.400% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 136736   | 34.095   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 68.180% |

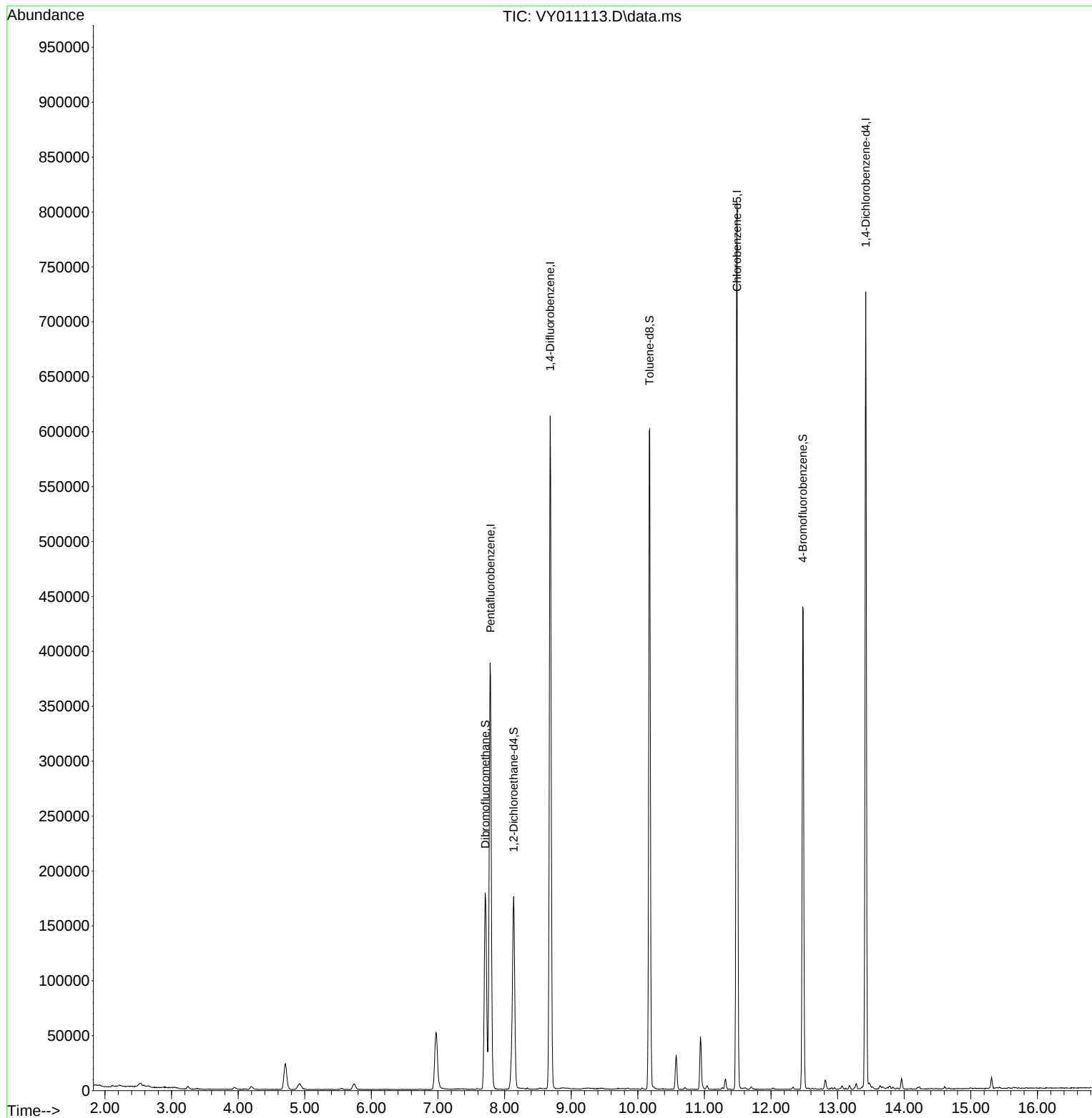
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

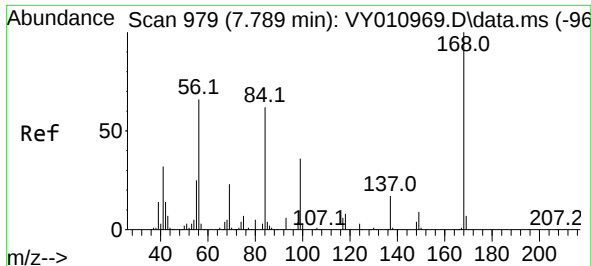
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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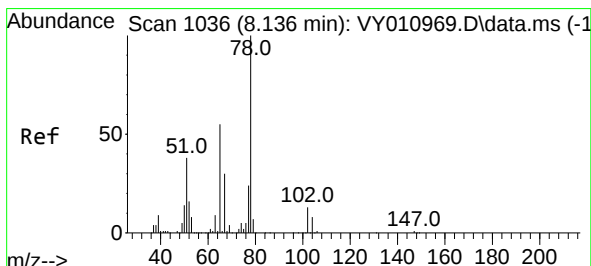
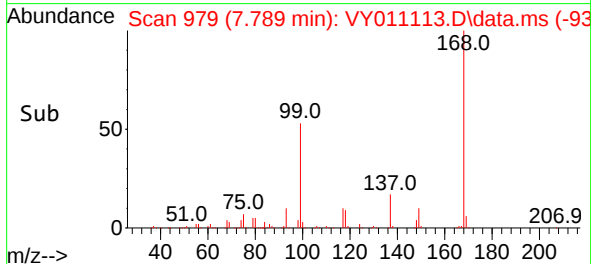
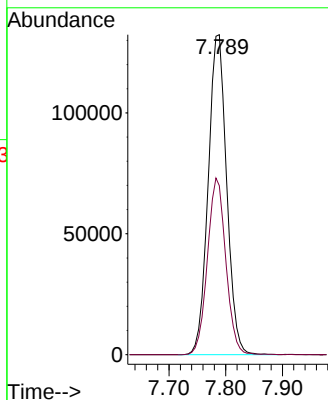
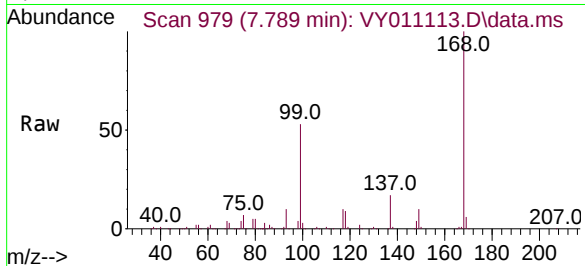




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

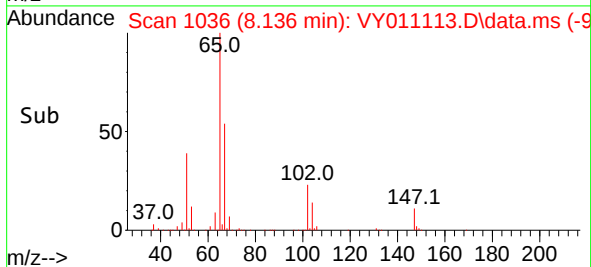
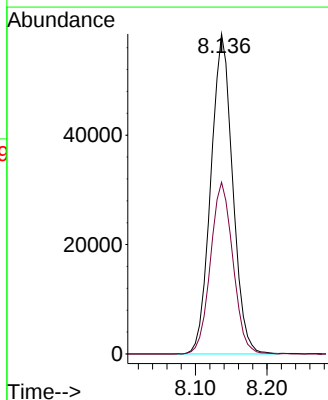
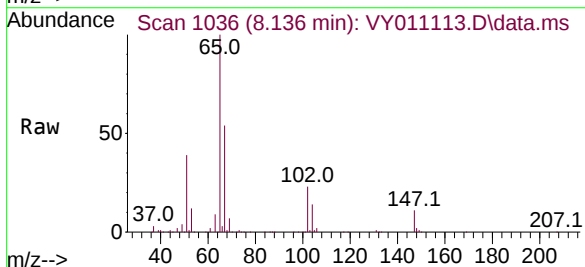
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

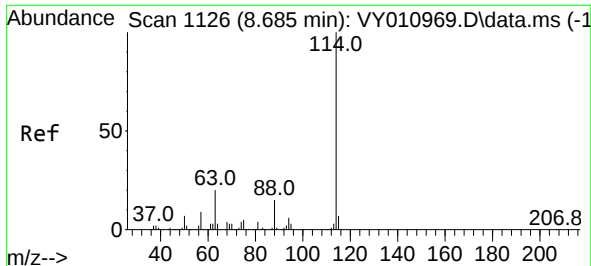
Tgt Ion:168 Resp: 299085  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 44.958 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

Tgt Ion: 65 Resp: 123859  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 99.4

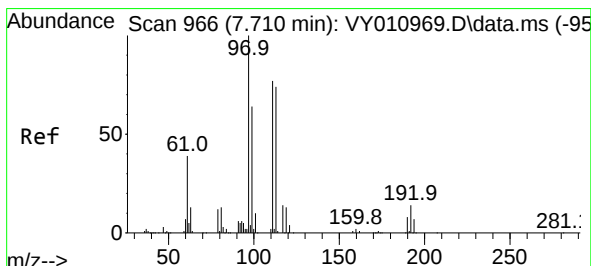
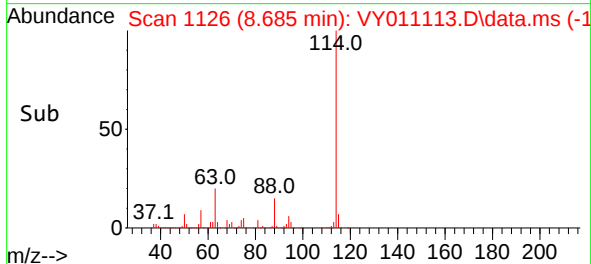
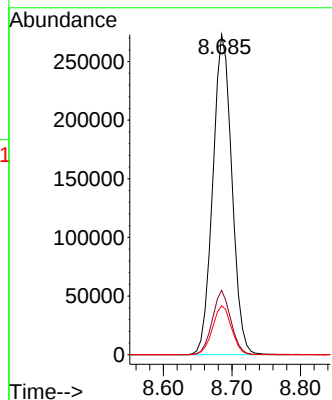
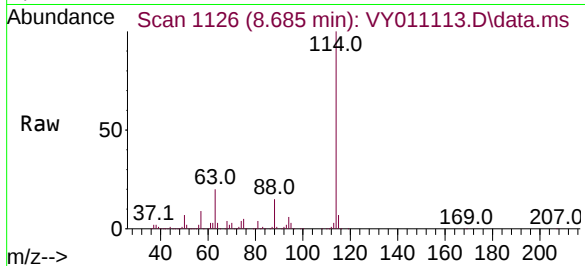




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

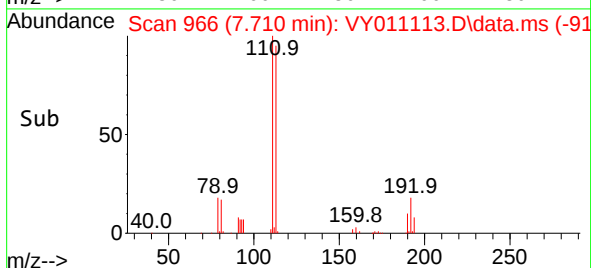
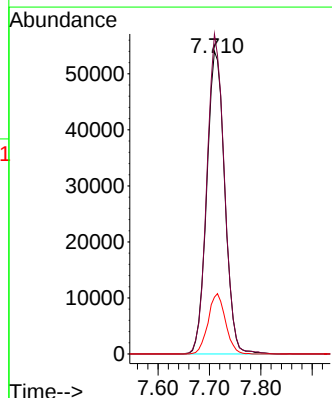
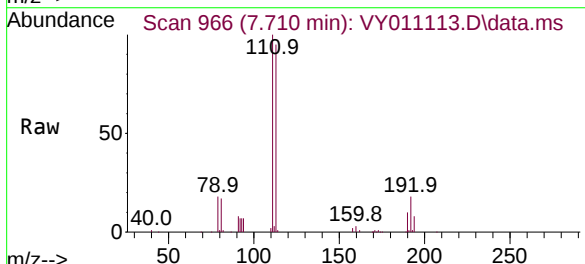
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

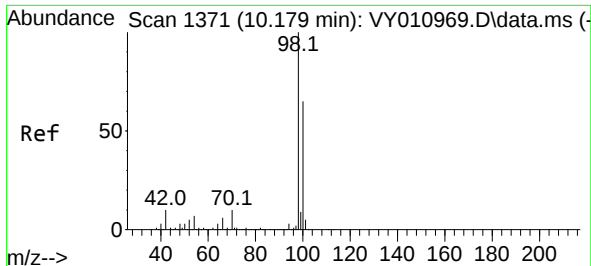
Tgt Ion:114 Resp: 527121  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 43.2  
88 15.3 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 44.424 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

Tgt Ion:113 Resp: 131237  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.6 124.0  
192 19.2 17.6 26.4

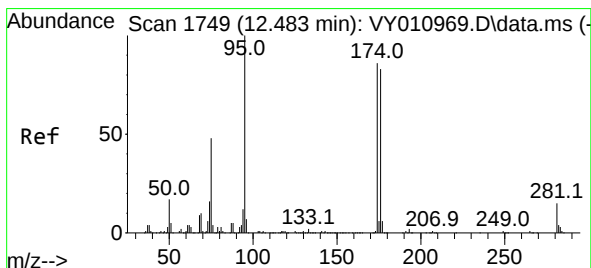
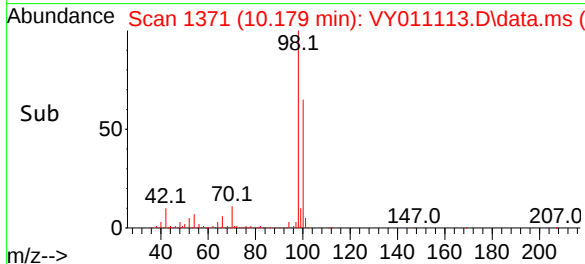
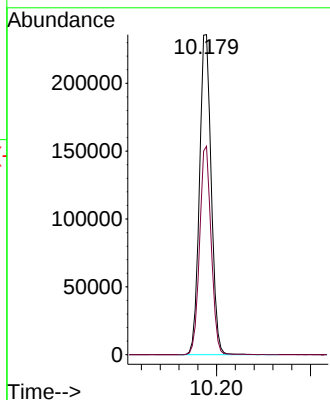
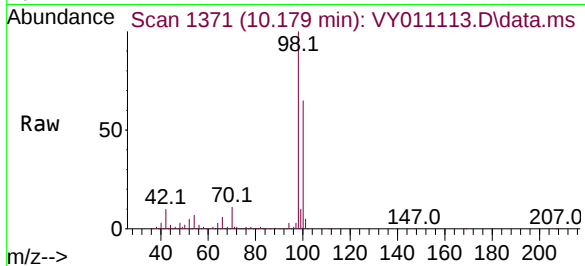




#50  
Toluene-d8  
Concen: 37.202 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

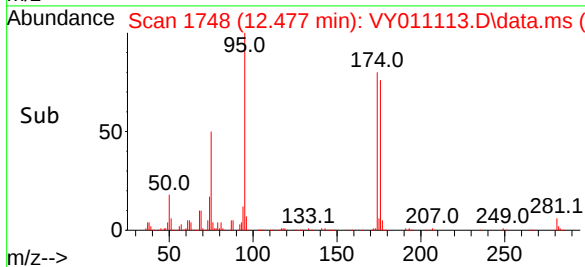
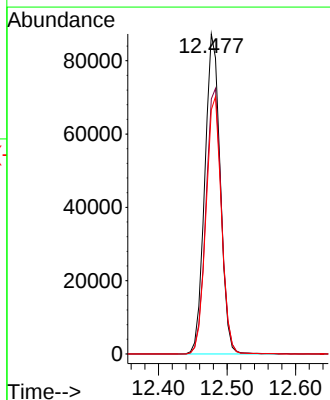
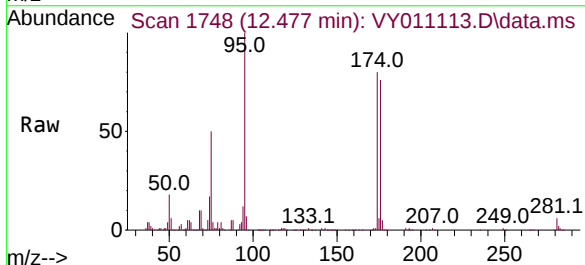
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

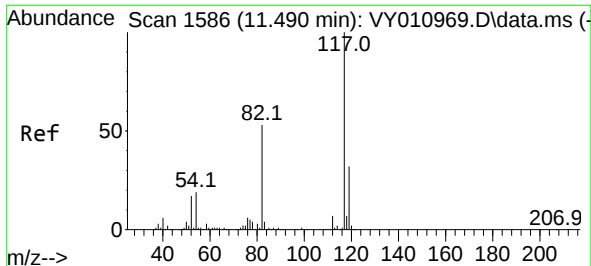
Tgt Ion: 98 Resp: 409451  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 34.095 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

Tgt Ion: 95 Resp: 136736  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 177.0  
176 80.6 0.0 175.8

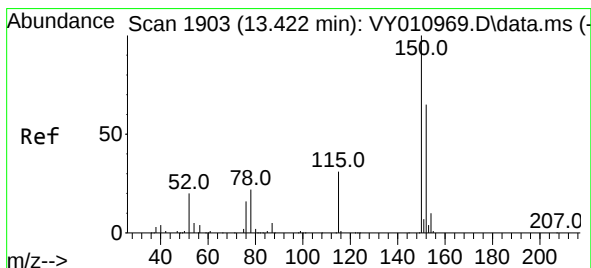
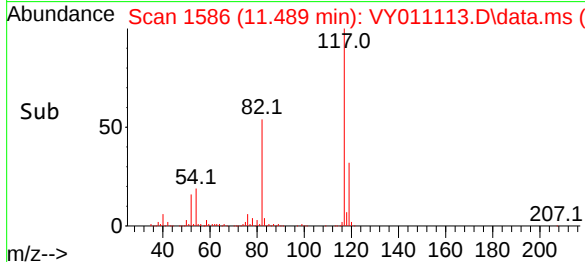
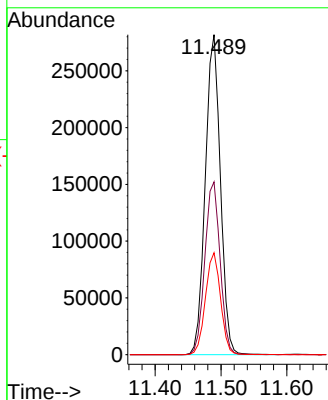
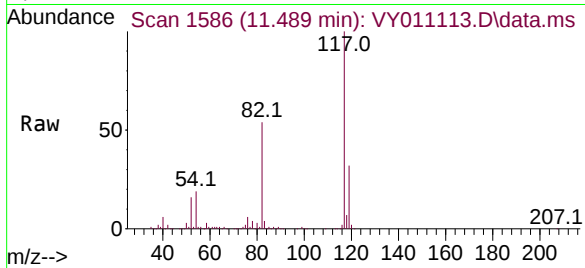




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.001 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

Tgt Ion:117 Resp: 450560  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.0 64.4  
119 31.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY011113.D  
Acq: 26 Oct 2022 14:04

Tgt Ion:152 Resp: 184332  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.2 84.7  
150 158.2 0.0 347.6

