

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011023\  
 Data File : VY012136.D  
 Acq On : 10 Jan 2023 12:59  
 Operator : KP/MD  
 Sample : 01093-01  
 Misc : 5.61g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-214-IDWSO-20230109-1

Quant Time: Jan 11 03:08:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 186929   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 316417   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 293098   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 130354   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 108938   | 51.864   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 103.720% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 93798    | 45.101   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.200%  |
| 50) Toluene-d8              | 10.179 | 98    | 378786   | 46.144   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 92.280%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 117629   | 40.995   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 81.980%  |

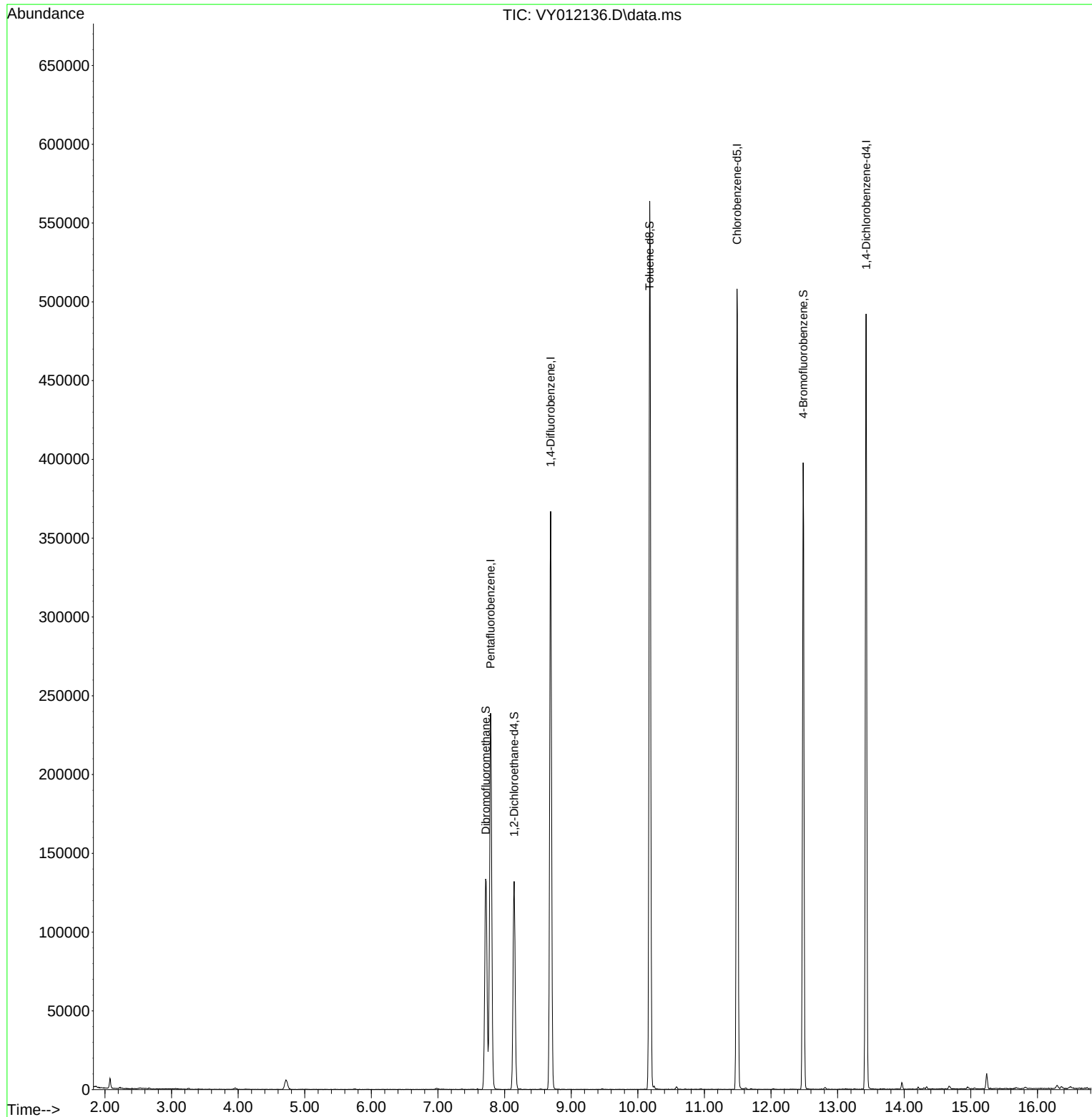
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

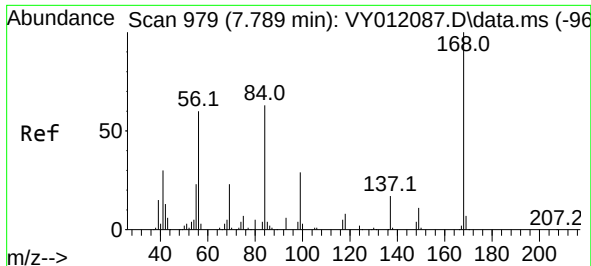
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jan 07 01:46:48 2023  
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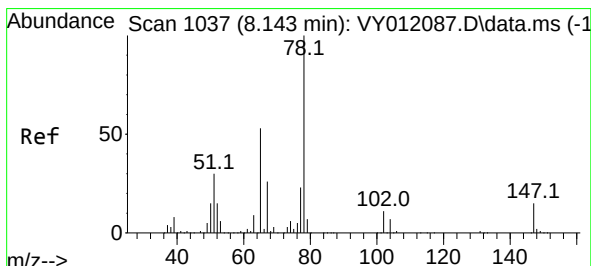
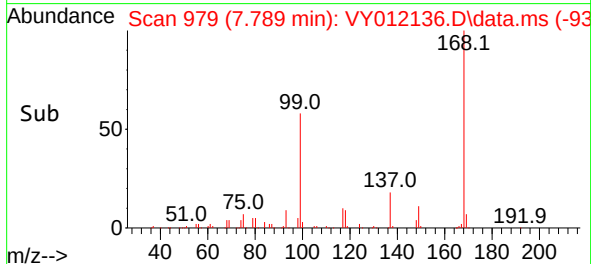
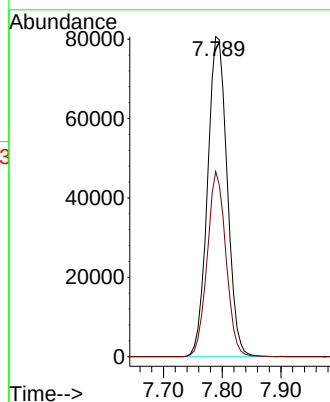
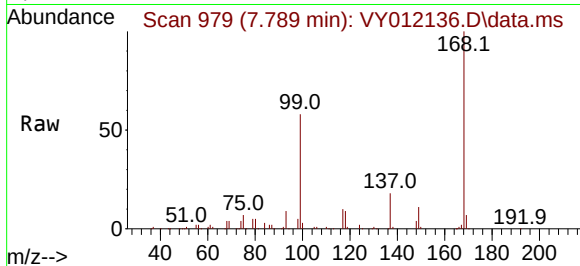




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

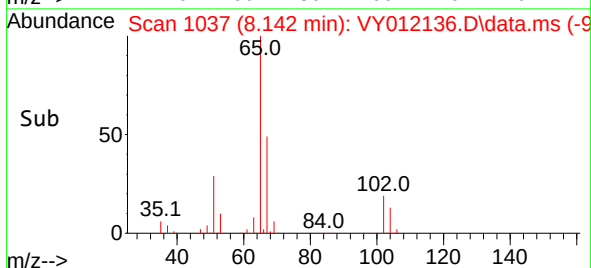
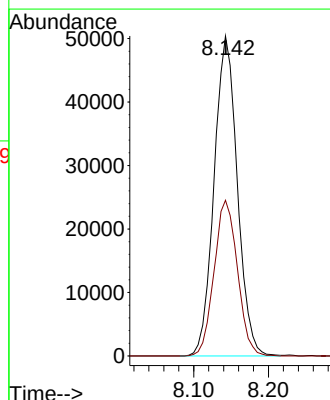
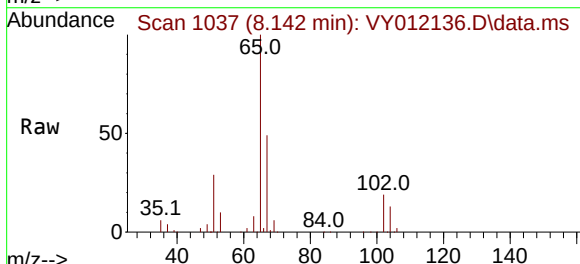
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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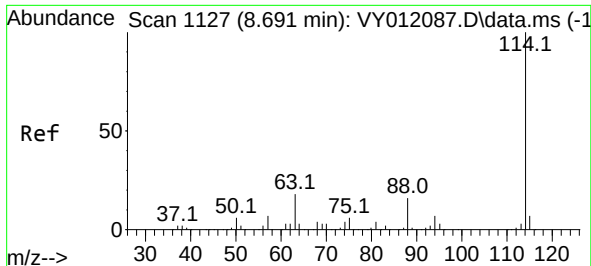
Tgt Ion:168 Resp: 186929  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.0 66.0



#33  
1,2-Dichloroethane-d4  
Concen: 51.864 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

Tgt Ion: 65 Resp: 108938  
Ion Ratio Lower Upper  
65 100  
67 48.9 0.0 103.2

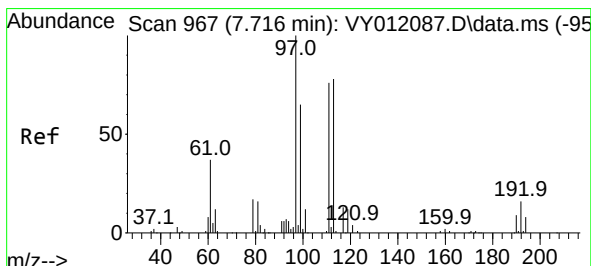
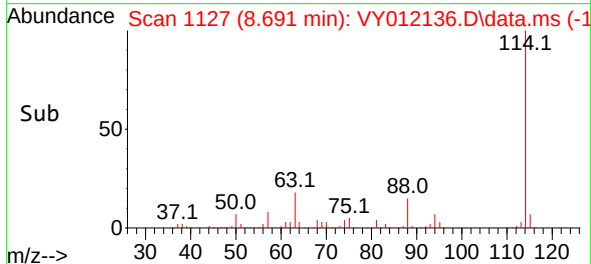
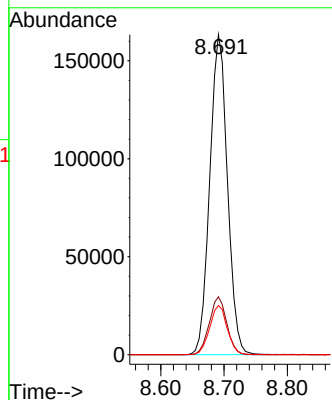
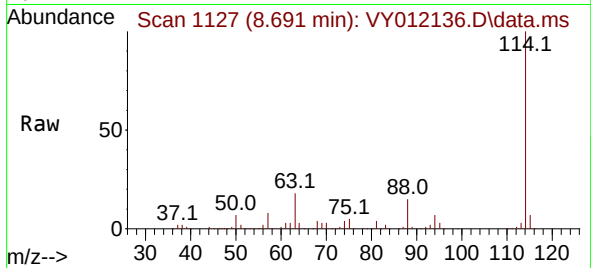




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

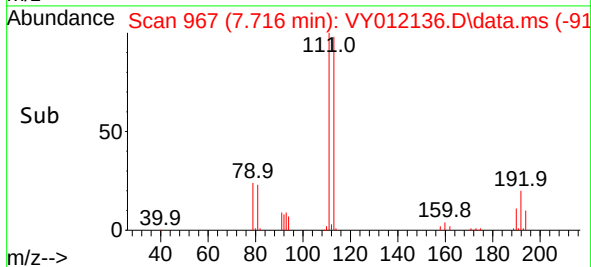
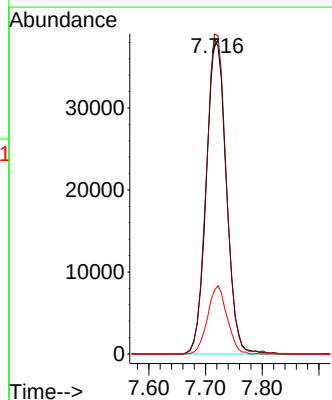
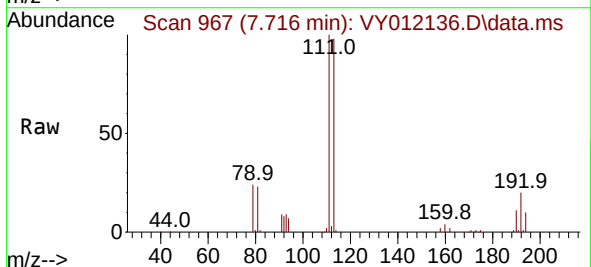
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TT-214-IDWSO-20230109-1

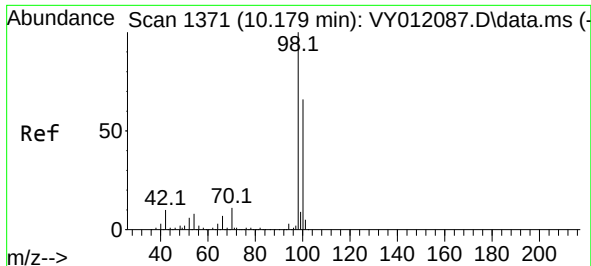
Tgt Ion:114 Resp: 316417  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 39.6  
88 15.3 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 45.101 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

Tgt Ion:113 Resp: 93798  
Ion Ratio Lower Upper  
113 100  
111 102.3 83.0 124.4  
192 21.1 16.0 24.0

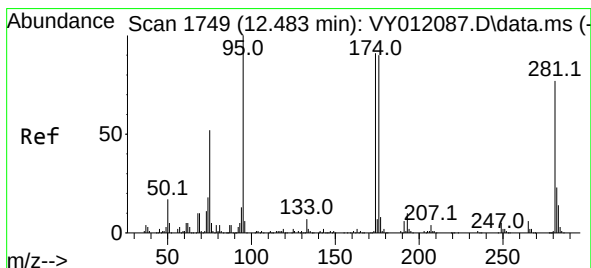
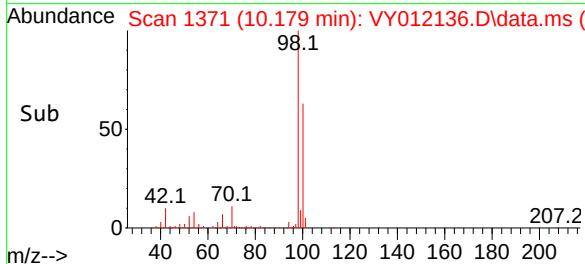
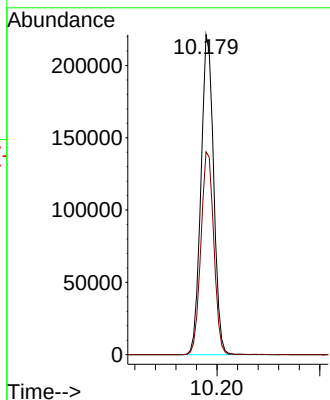
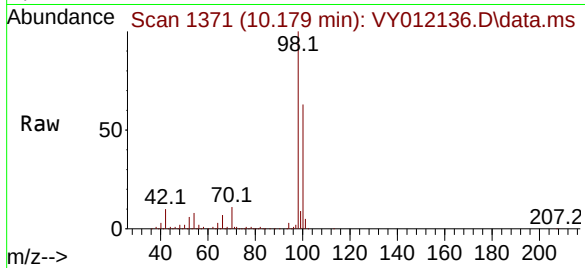




#50  
Toluene-d8  
Concen: 46.144 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

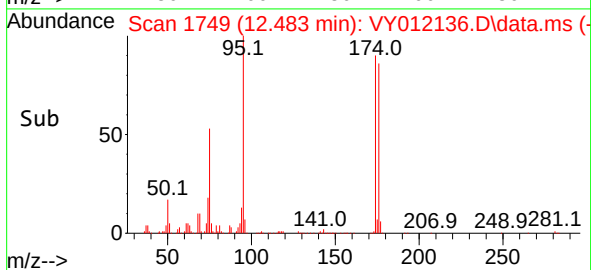
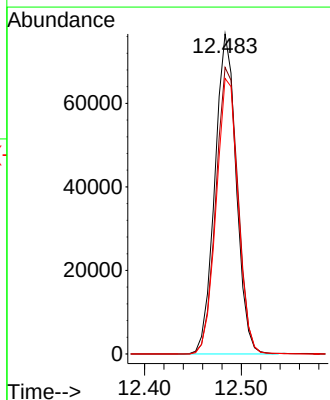
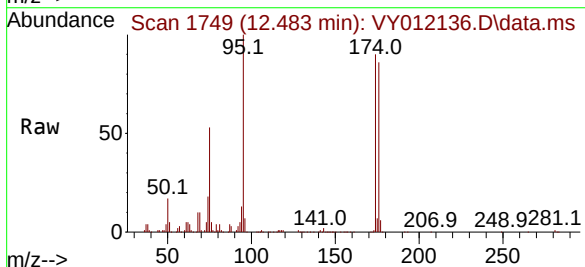
Instrument :  
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TT-214-IDWSO-20230109-1

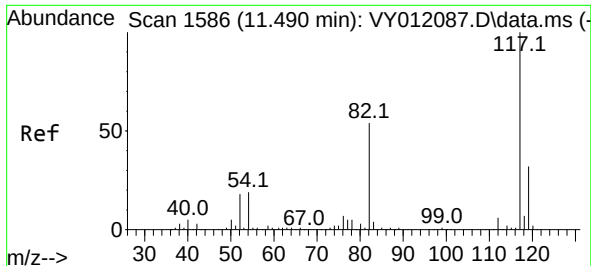
Tgt Ion: 98 Resp: 378786  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 40.995 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

Tgt Ion: 95 Resp: 117629  
Ion Ratio Lower Upper  
95 100  
174 93.1 0.0 172.0  
176 88.4 0.0 167.6

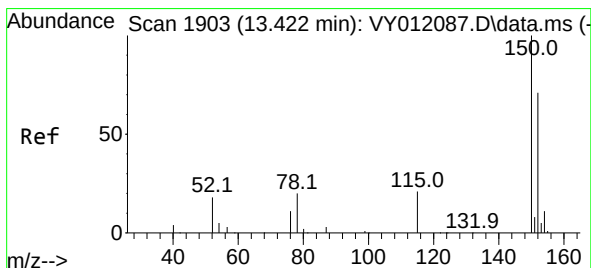
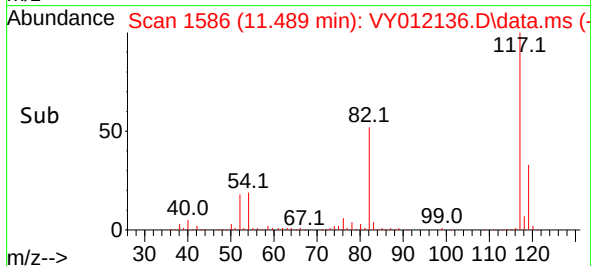
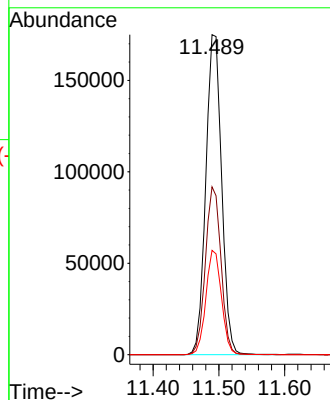
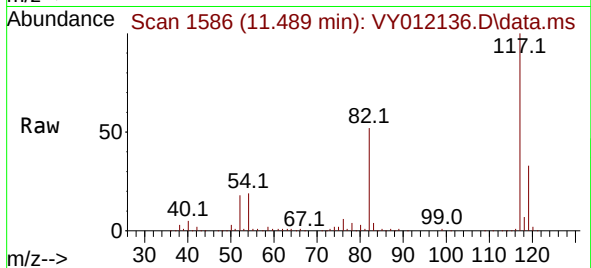




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY012136.D  
Acq: 10 Jan 2023 12:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TT-214-IDWSO-20230109-1

Tgt Ion:117 Resp: 293098  
Ion Ratio Lower Upper  
117 100  
82 52.4 44.8 67.2  
119 32.6 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: VY012136.D  
Acq: 10 Jan 2023 12:59

Tgt Ion:152 Resp: 130354  
Ion Ratio Lower Upper  
152 100  
115 57.1 29.1 87.3  
150 157.5 0.0 342.6

