

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080323\  
 Data File : VY014946.D  
 Acq On : 03 Aug 2023 13:59  
 Operator : SY/MD  
 Sample : VY0803SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0803SBL01

Quant Time: Aug 04 04:31:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 225245   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 402800   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 386906   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 188651   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 145087   | 56.525   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 113.060% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 128255   | 50.019   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.040% |
| 50) Toluene-d8              | 10.179 | 98    | 477633   | 50.525   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.060% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 179507   | 49.522   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.040%  |

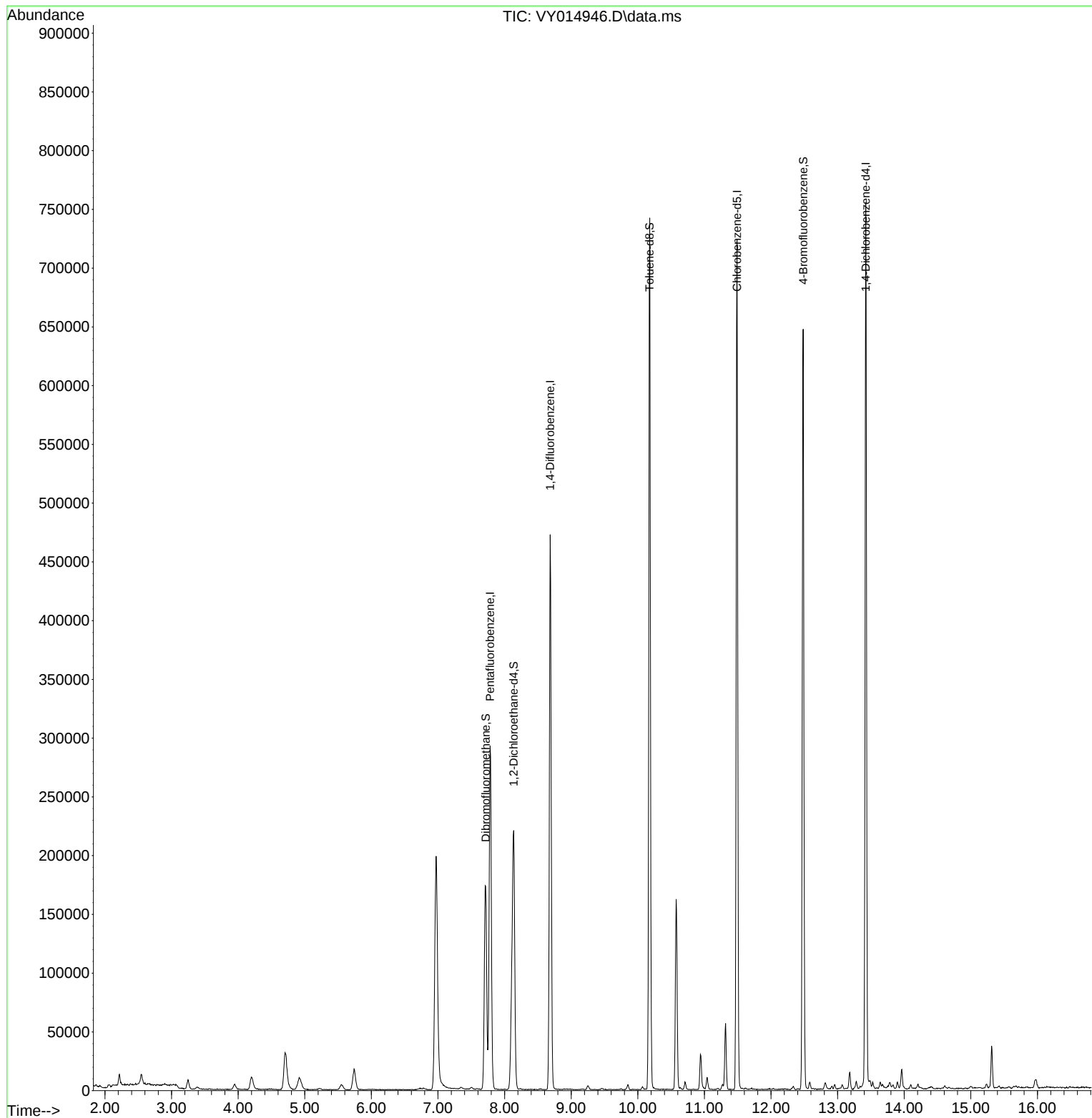
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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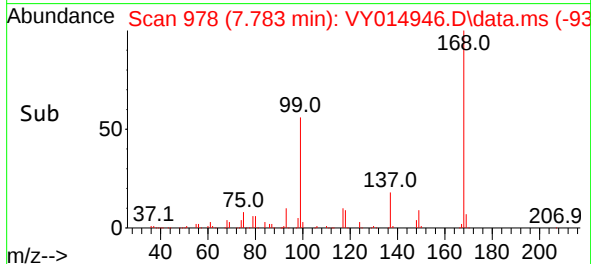
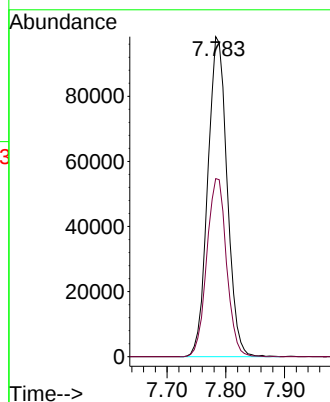
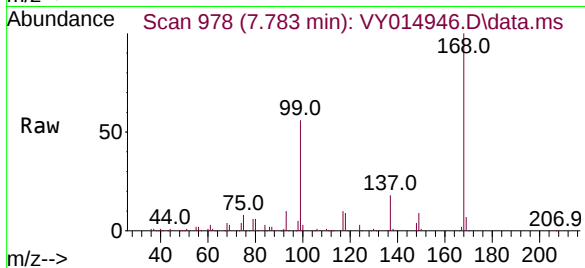




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

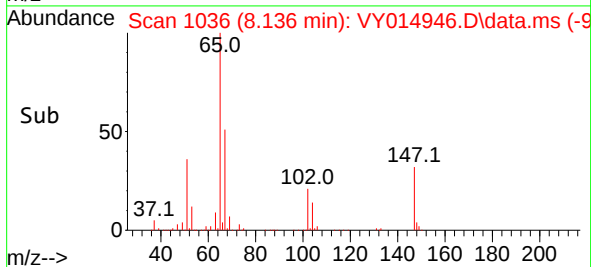
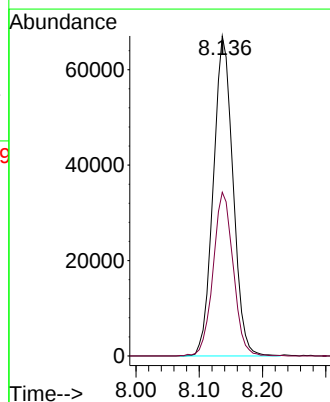
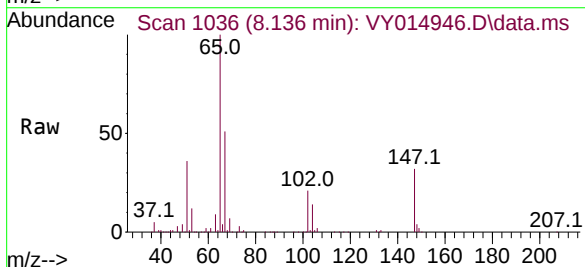
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0803SBL01

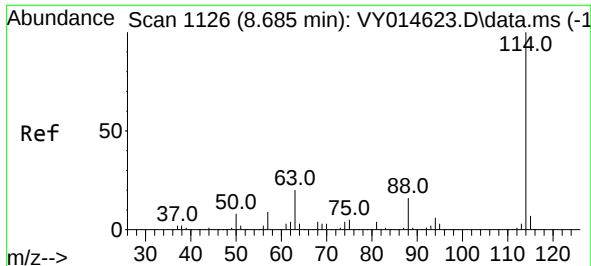
Tgt Ion:168 Resp: 225245  
Ion Ratio Lower Upper  
168 100  
99 55.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 56.525 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

Tgt Ion: 65 Resp: 145087  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 101.8

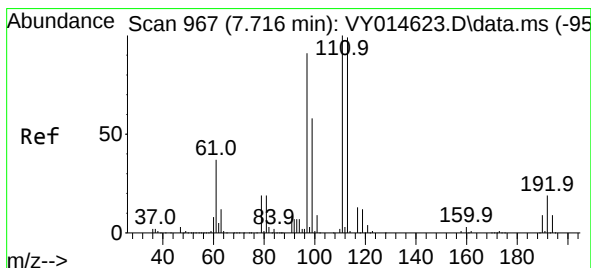
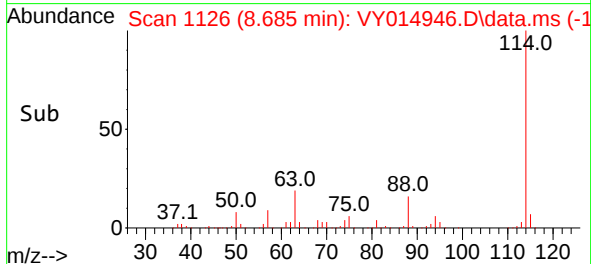
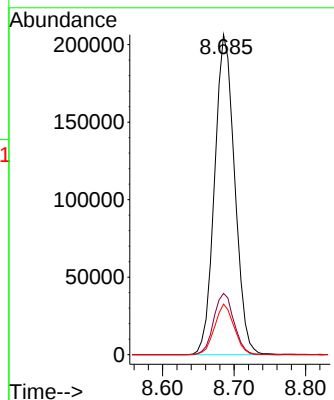
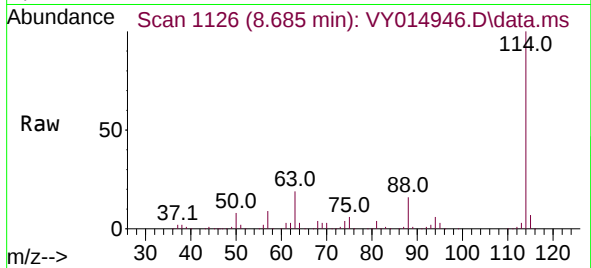




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

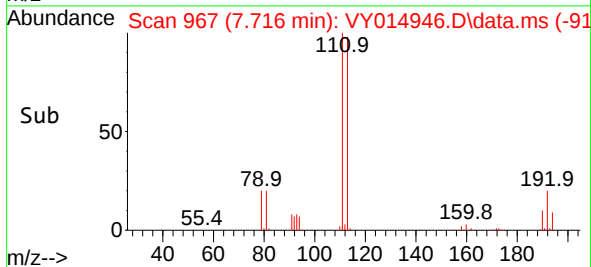
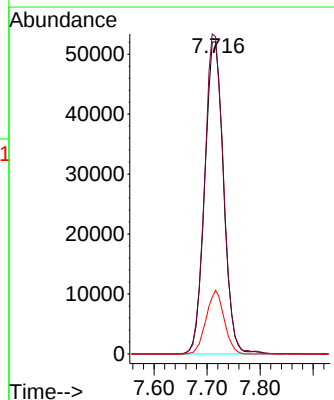
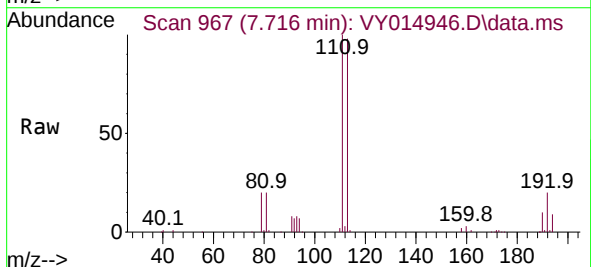
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0803SBL01

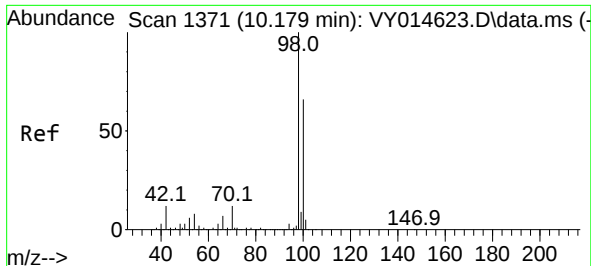
Tgt Ion:114 Resp: 402800  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 42.4  
88 15.8 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 50.019 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

Tgt Ion:113 Resp: 128255  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.3 121.9  
192 19.5 16.9 25.3

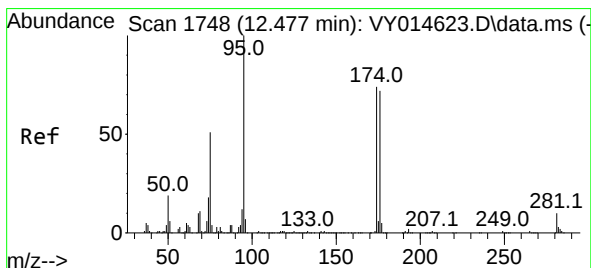
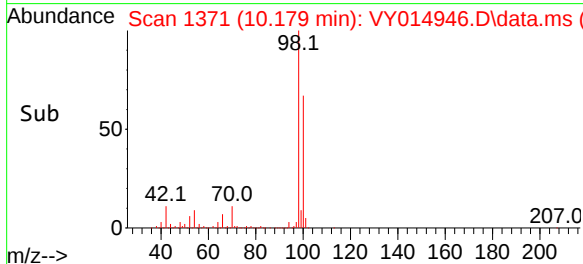
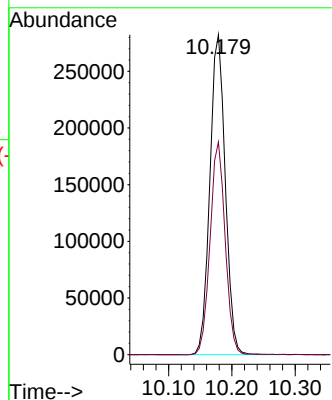
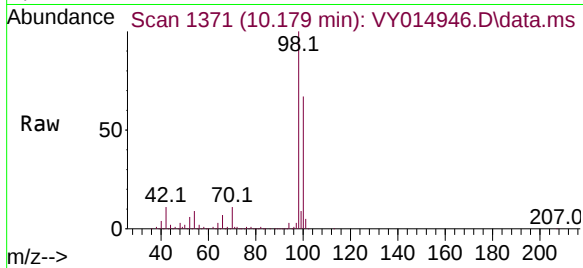




#50  
Toluene-d8  
Concen: 50.525 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

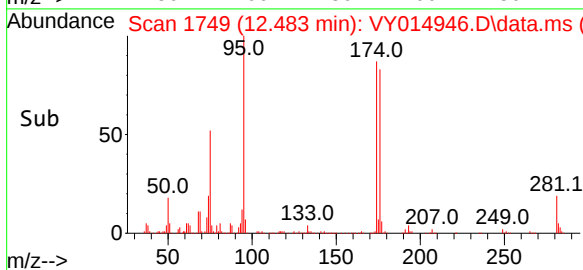
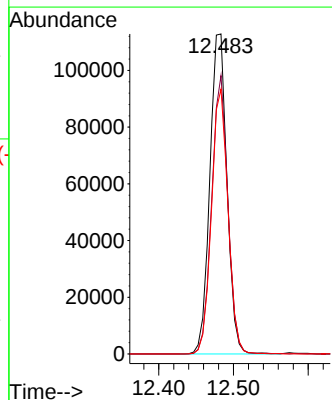
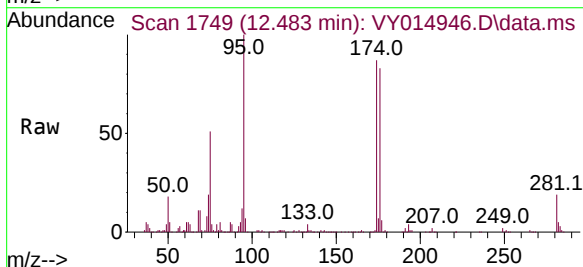
Instrument :  
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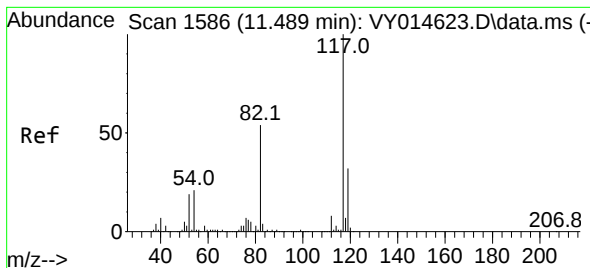
Tgt Ion: 98 Resp: 477633  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.522 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

Tgt Ion: 95 Resp: 179507  
Ion Ratio Lower Upper  
95 100  
174 82.3 0.0 178.2  
176 79.8 0.0 173.8

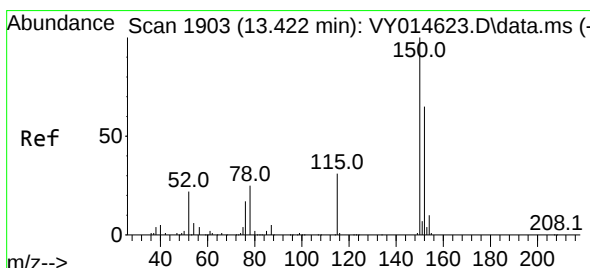
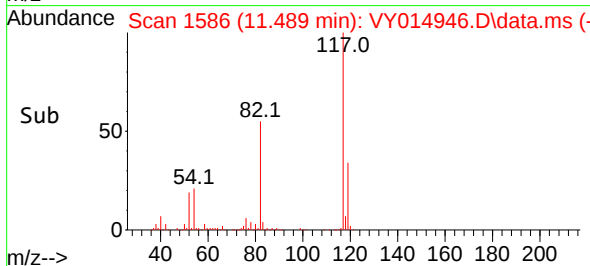
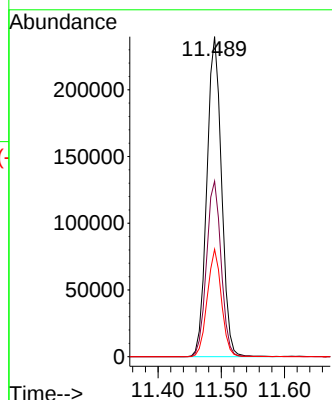
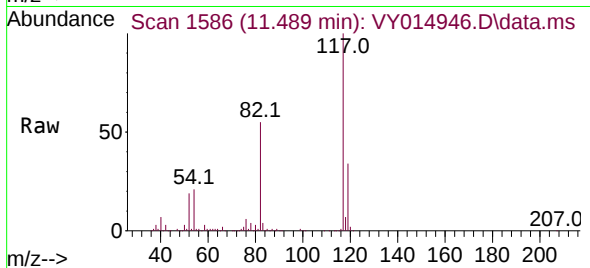




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0803SBL01

Tgt Ion:117 Resp: 386906  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.4 65.0  
119 33.5 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY014946.D  
Acq: 03 Aug 2023 13:59

Tgt Ion:152 Resp: 188651  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.8 86.5  
150 157.7 0.0 348.8

