

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
 Data File : VY011631.D  
 Acq On : 30 Nov 2022 11:01  
 Operator : KP/MD  
 Sample : VY1130SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1130SBL01

Quant Time: Dec 01 05:20:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 196755   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 368139   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.495 | 117  | 354471   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 156956   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 134407   | 67.276   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 134.560% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 119876   | 52.896   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.800% |
| 50) Toluene-d8              | 10.185 | 98    | 447089   | 54.289   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.580% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 146891   | 48.243   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 96.480%  |

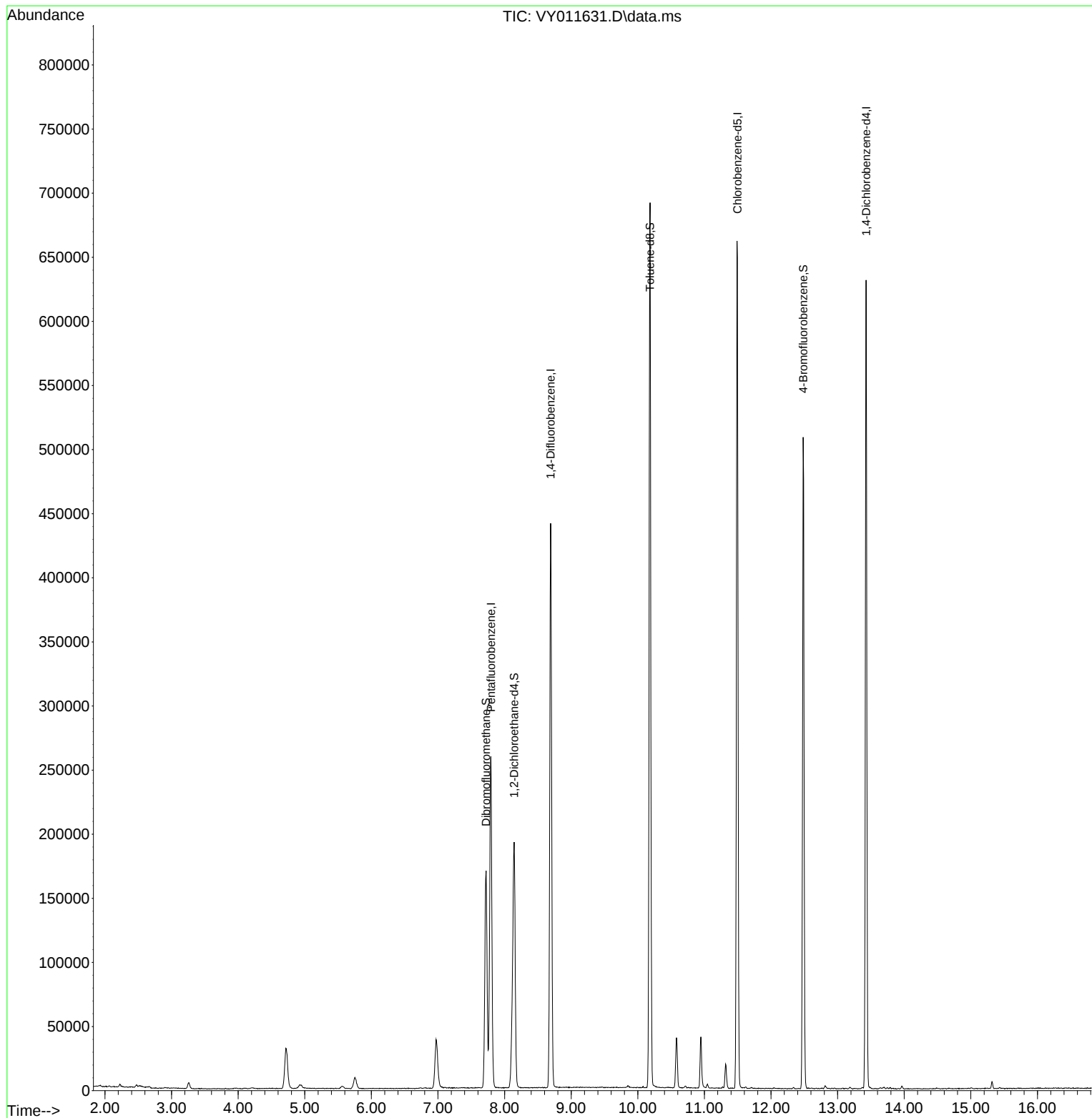
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

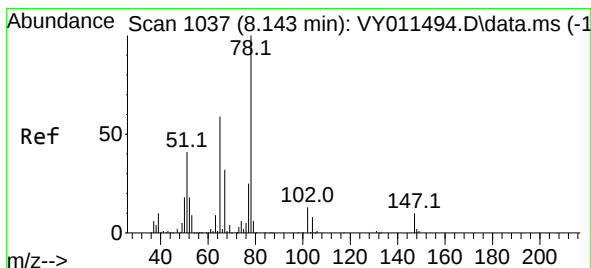
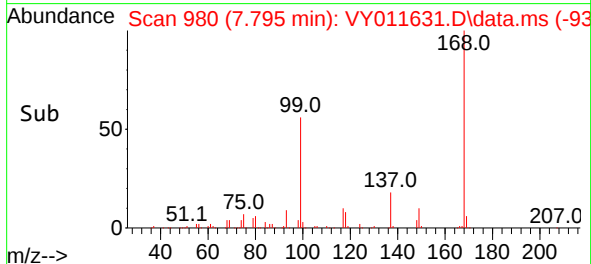
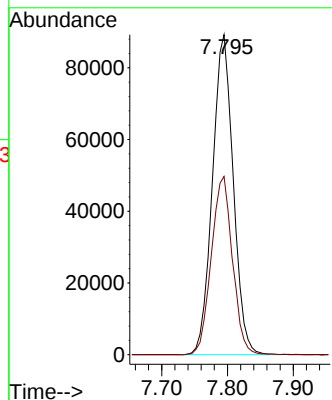
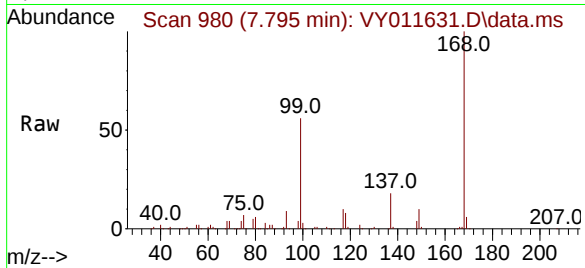




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

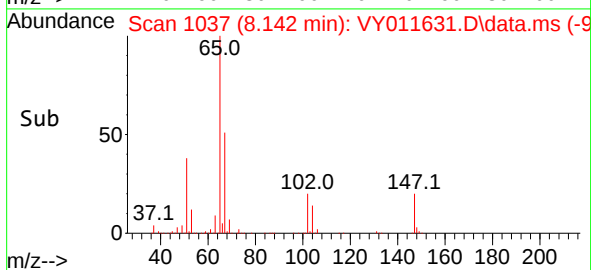
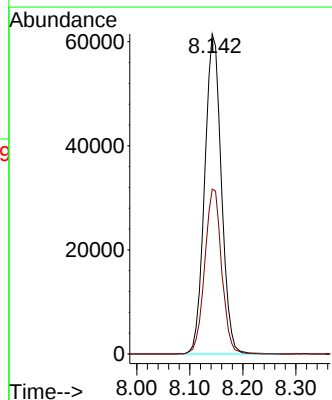
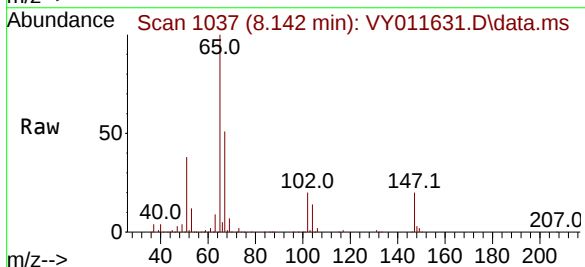
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1130SBL01

Tgt Ion:168 Resp: 196755  
Ion Ratio Lower Upper  
168 100  
99 55.7 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 67.276 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

Tgt Ion: 65 Resp: 134407  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 99.4

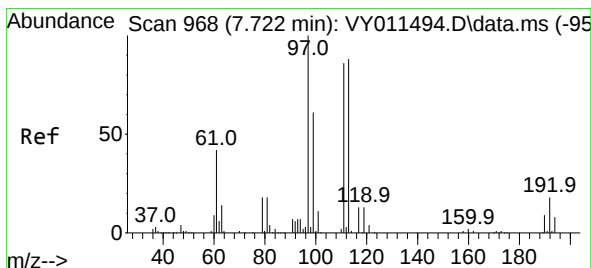
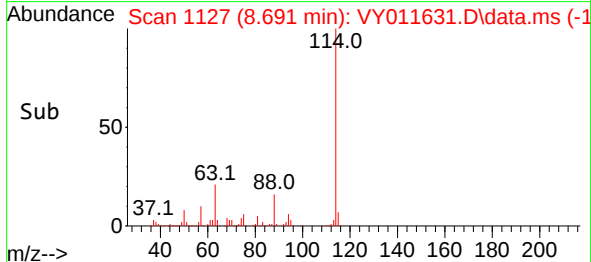
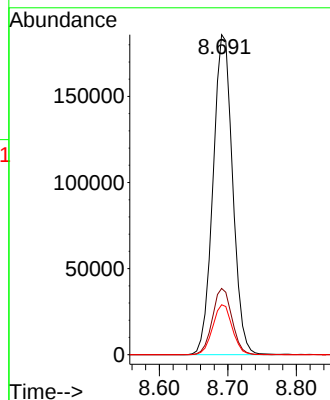
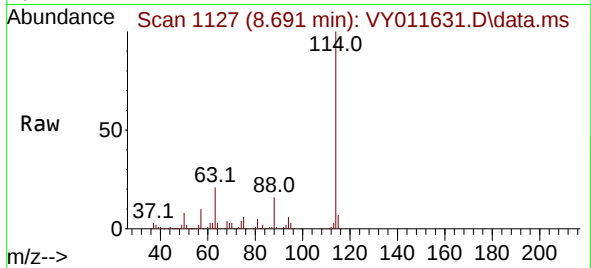




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

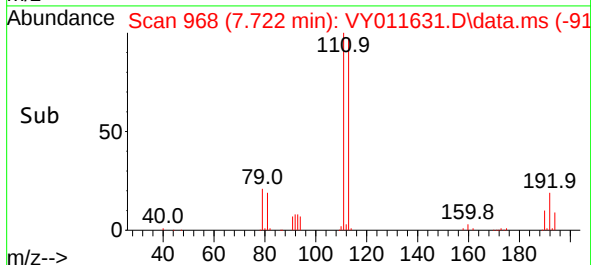
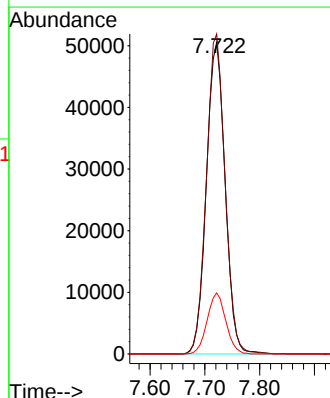
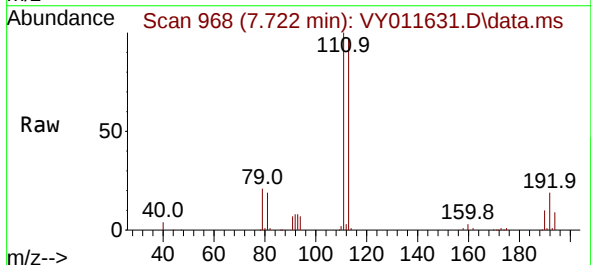
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1130SBL01

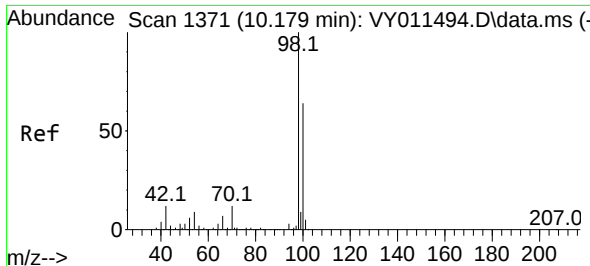
Tgt Ion:114 Resp: 368139  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 43.2  
88 15.6 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 52.896 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

Tgt Ion:113 Resp: 119876  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.6 124.0  
192 19.4 17.6 26.4

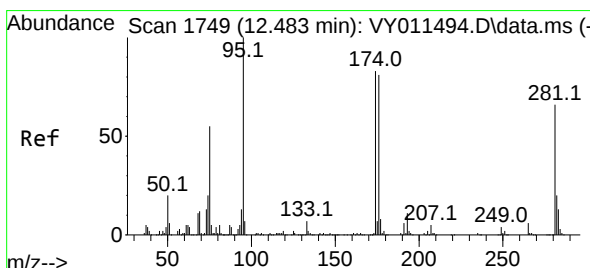
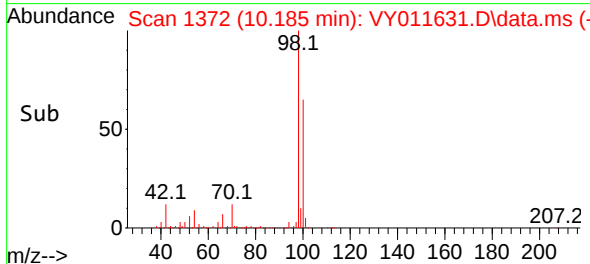
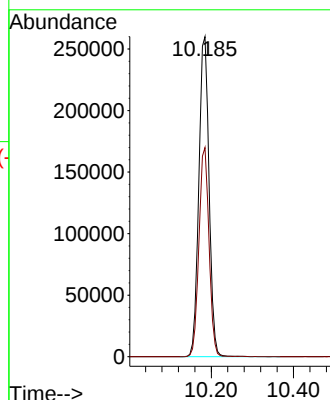
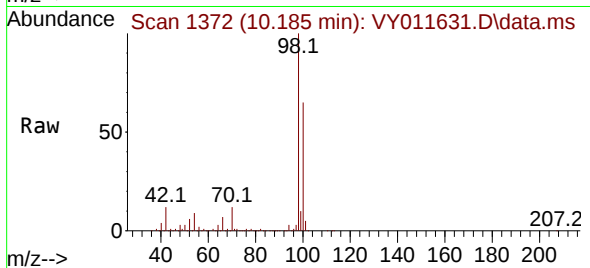




#50  
Toluene-d8  
Concen: 54.289 ug/l  
RT: 10.185 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

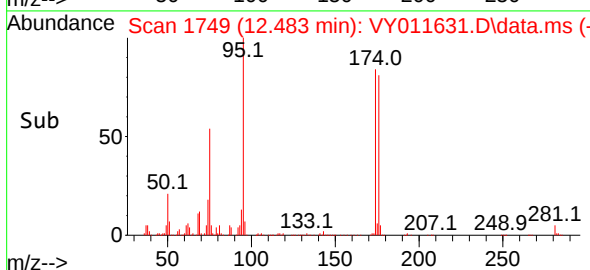
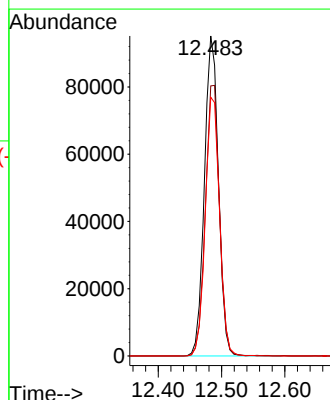
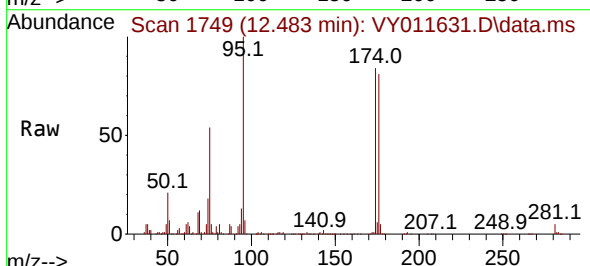
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1130SBL01

Tgt Ion: 98 Resp: 447089  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 48.243 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

Tgt Ion: 95 Resp: 146891  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 177.0  
176 82.2 0.0 175.8

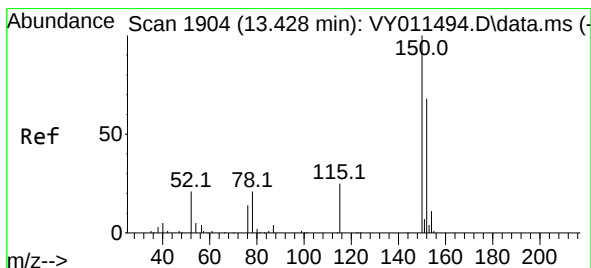
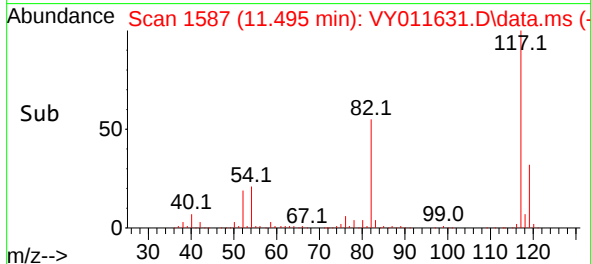
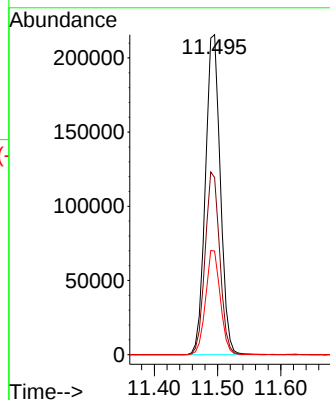
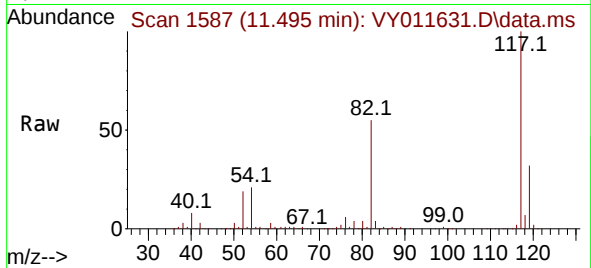




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1130SBL01

Tgt Ion:117 Resp: 354471  
Ion Ratio Lower Upper  
117 100  
82 55.3 43.0 64.4  
119 32.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY011631.D  
Acq: 30 Nov 2022 11:01

Tgt Ion:152 Resp: 156956  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.2 84.7  
150 157.6 0.0 347.6

