

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071422\  
 Data File : VY009563.D  
 Acq On : 14 Jul 2022 14:38  
 Operator : KP/MD  
 Sample : VY0714SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0714SBL01

Quant Time: Jul 14 14:55:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 08 11:00:56 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.783  | 168  | 109036   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 179716   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 165277   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 73717    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 42559    | 56.216   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 112.440% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 39557    | 41.832   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 83.660%  |
| 50) Toluene-d8              | 10.173 | 98    | 145634   | 57.369   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 114.740% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 45158    | 33.831   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 67.660%  |

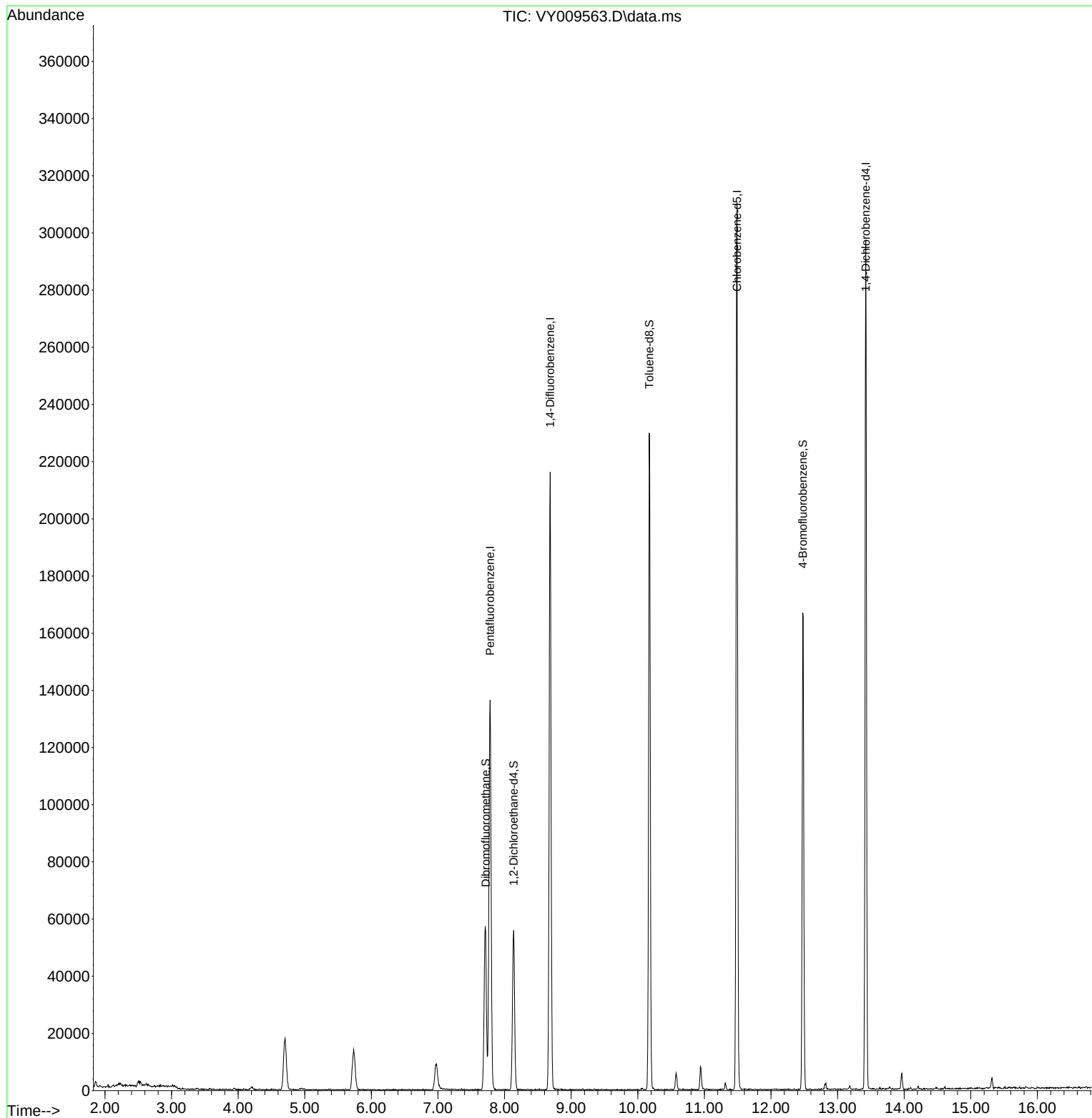
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

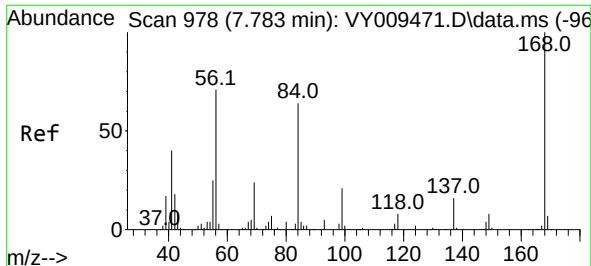
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071422\  
Data File : VY009563.D  
Acq On : 14 Jul 2022 14:38  
Operator : KP/MD  
Sample : VY0714SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

Quant Time: Jul 14 14:55:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 08 11:00:56 2022  
Response via : Initial Calibration

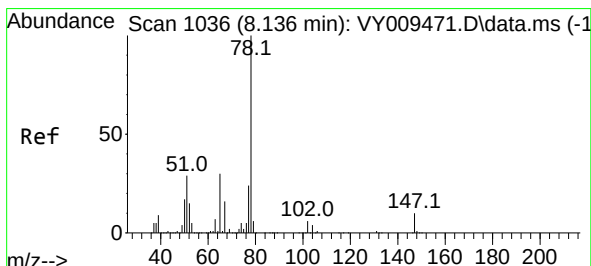
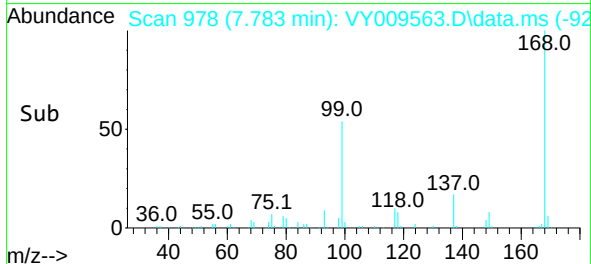
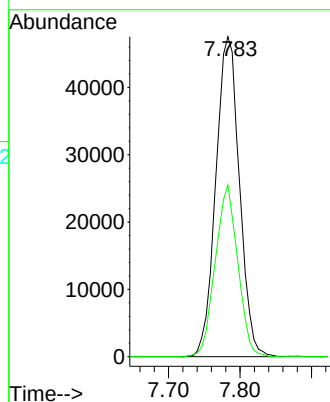
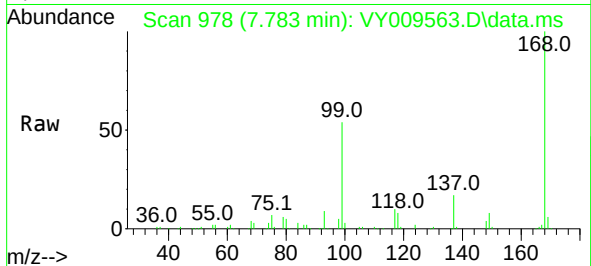




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

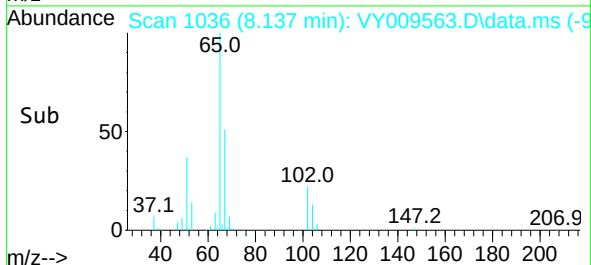
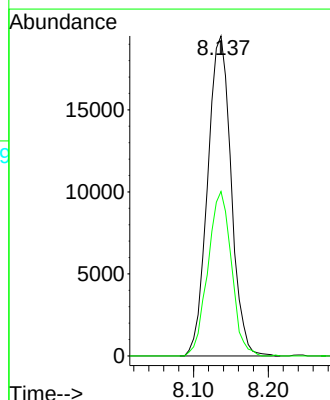
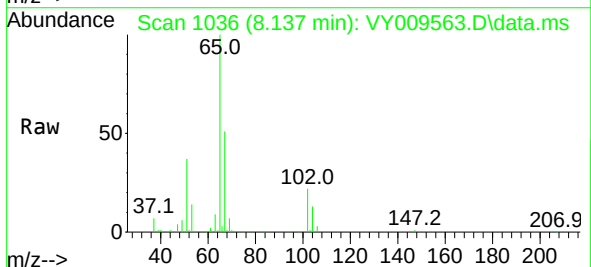
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

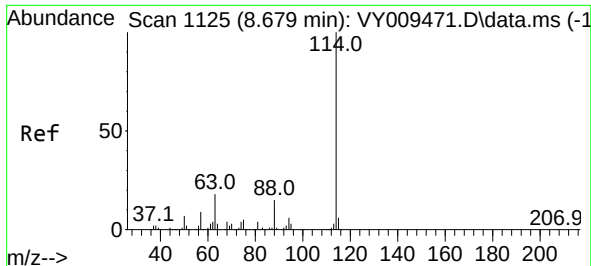
Tgt Ion:168 Resp: 109036  
Ion Ratio Lower Upper  
168 100  
99 53.6 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 56.216 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.001 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

Tgt Ion: 65 Resp: 42559  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 99.4

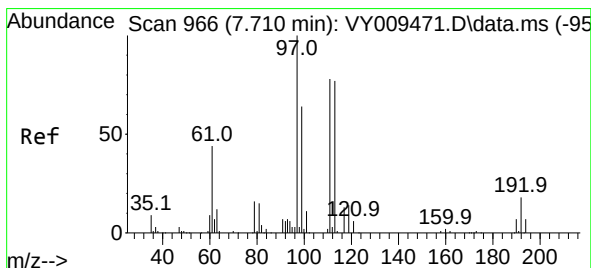
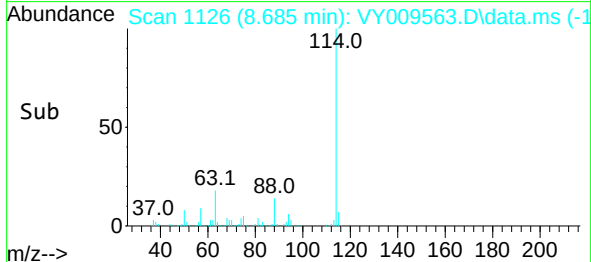
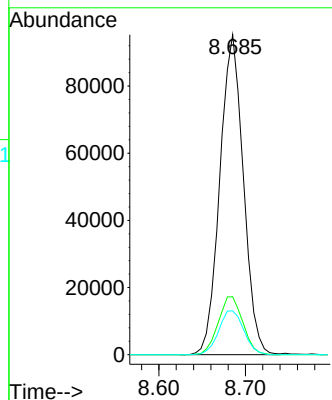
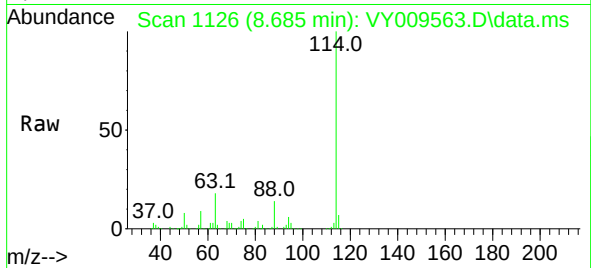




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1125  
Delta R.T. 0.000 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

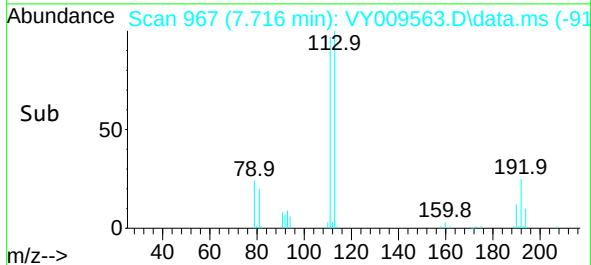
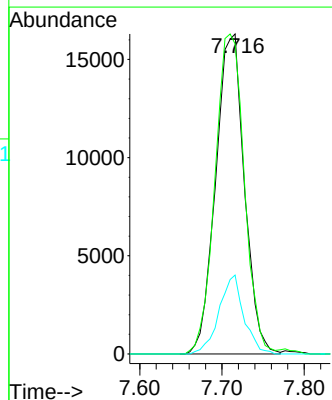
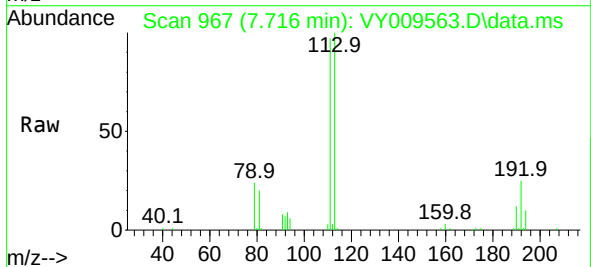
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

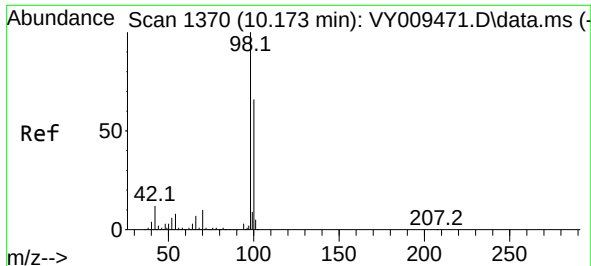
Tgt Ion:114 Resp: 179716  
Ion Ratio Lower Upper  
114 100  
63 18.1 0.0 43.2  
88 13.7 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 41.832 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.006 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

Tgt Ion:113 Resp: 39557  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.6 124.0  
192 21.3 17.6 26.4

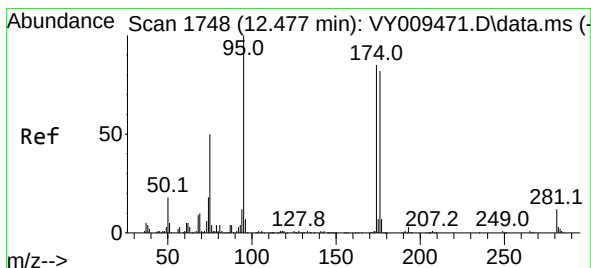
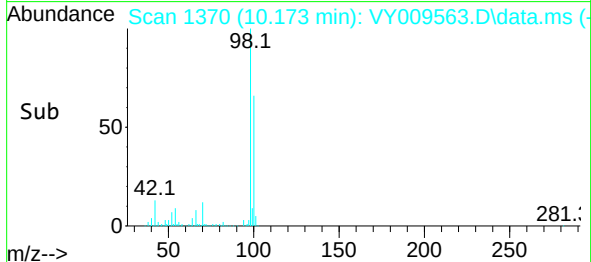
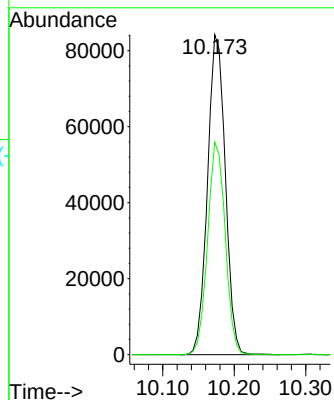
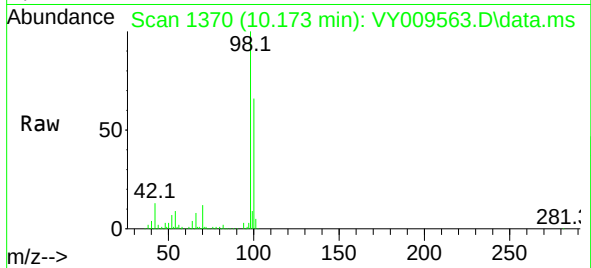




#50  
Toluene-d8  
Concen: 57.369 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.006 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

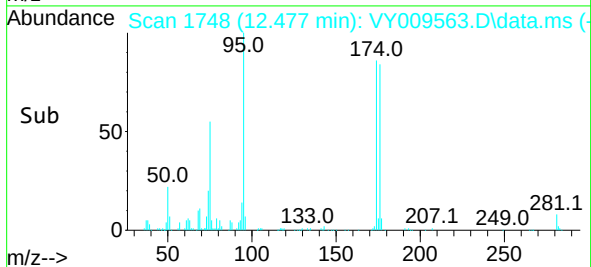
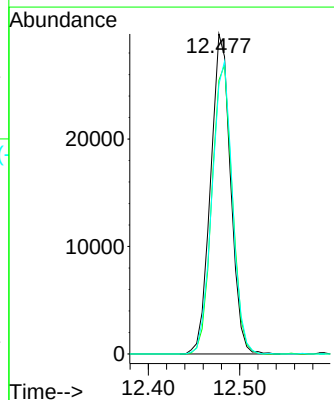
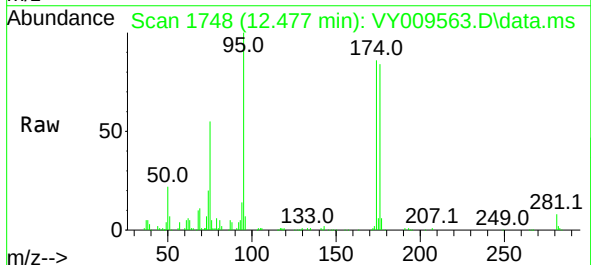
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

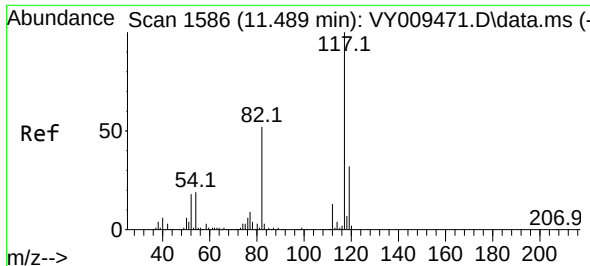
Tgt Ion: 98 Resp: 145634  
Ion Ratio Lower Upper  
98 100  
100 65.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 33.831 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

Tgt Ion: 95 Resp: 45158  
Ion Ratio Lower Upper  
95 100  
174 91.9 0.0 177.0  
176 92.8 0.0 175.8

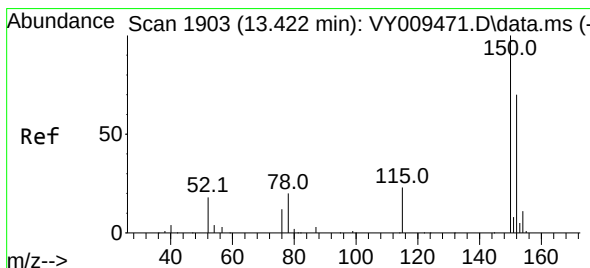
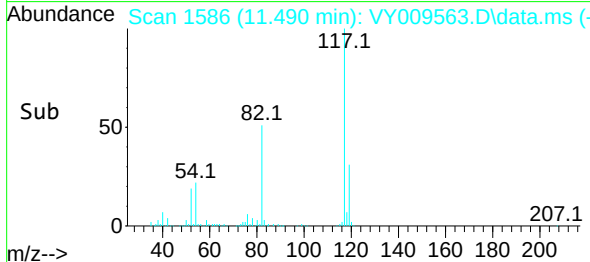
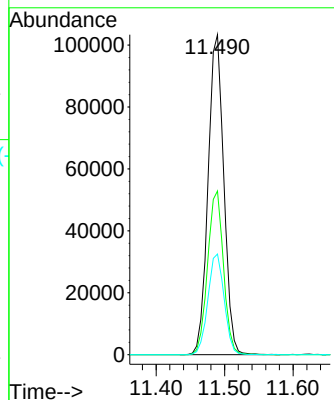
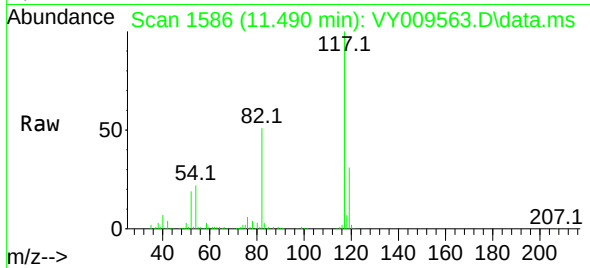




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009563.D  
Acq: 14 Jul 2022 14:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

Tgt Ion:117 Resp: 165277  
Ion Ratio Lower Upper  
117 100  
82 51.1 43.0 64.4  
119 31.4 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: VY009563.D  
Acq: 14 Jul 2022 14:38

Tgt Ion:152 Resp: 73717  
Ion Ratio Lower Upper  
152 100  
115 56.2 28.2 84.7  
150 160.5 0.0 347.6

