

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081423\  
 Data File : VY015075.D  
 Acq On : 14 Aug 2023 13:34  
 Operator : SY/MD  
 Sample : VY0814SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0814SBL01

Quant Time: Aug 14 15:40:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

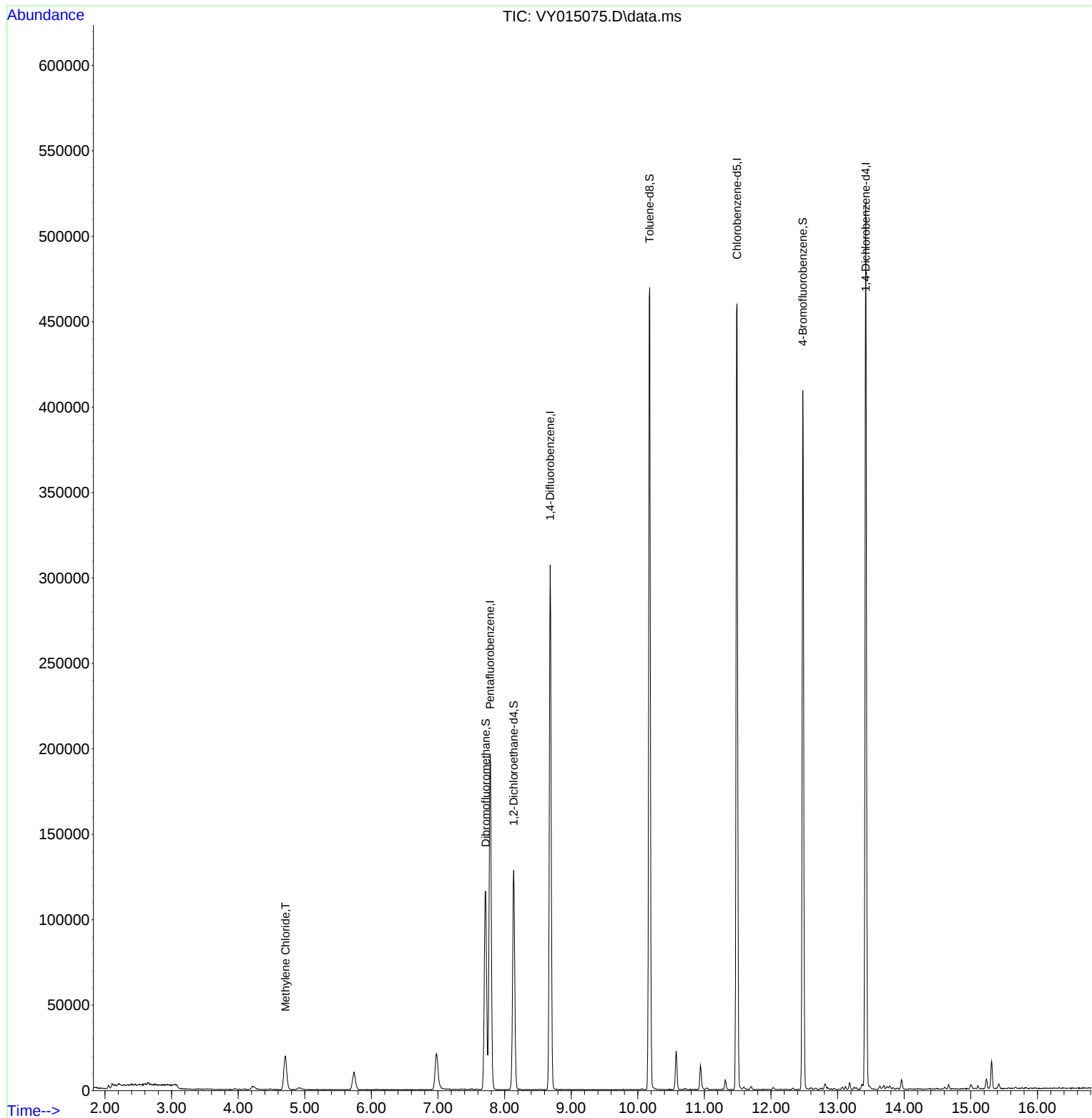
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783     | 168   | 153770   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 262792   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 257849   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 127444   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 99016    | 53.642   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 107.280% |          |
| 35) Dibromofluoromethane    | 7.716     | 113   | 83965    | 49.665   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 99.320%  |          |
| 50) Toluene-d8              | 10.179    | 98    | 312526   | 49.659   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 99.320%  |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 116422   | 50.647   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 101.300% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.710     | 84    | 15230    | 6.801    | ug/l #     | 85       |
| -----                       |           |       |          |          |            |          |

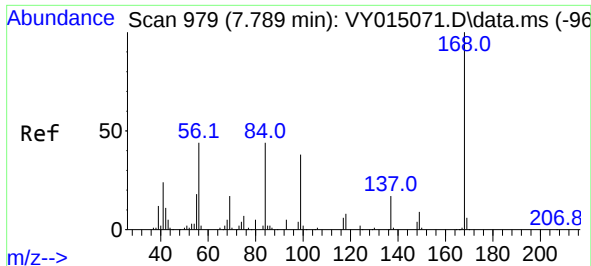
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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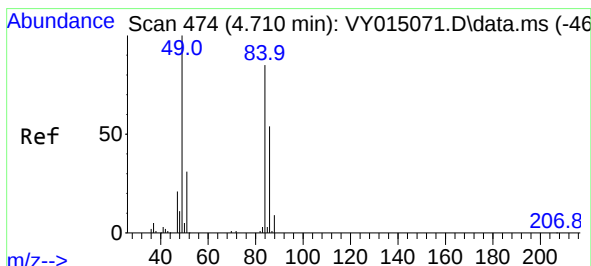
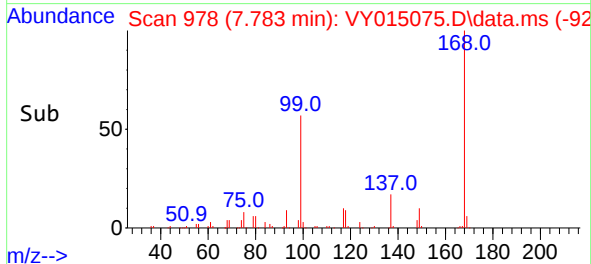
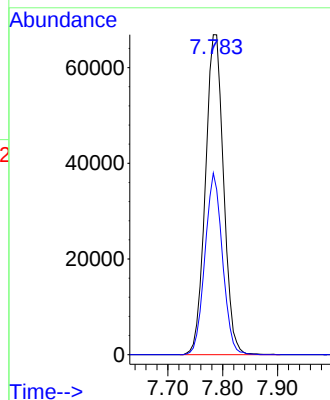
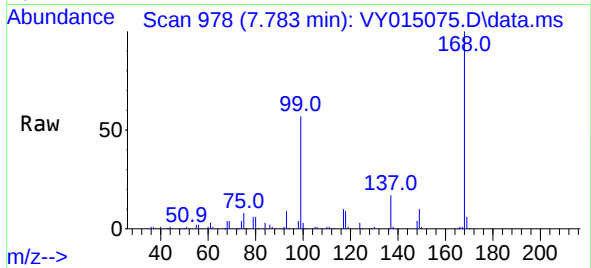




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

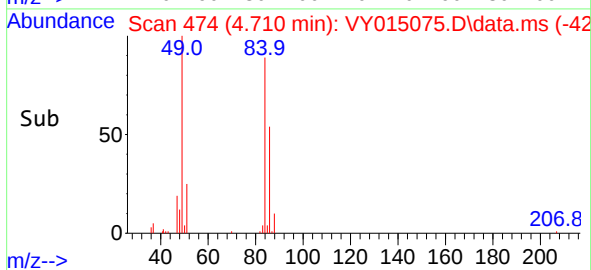
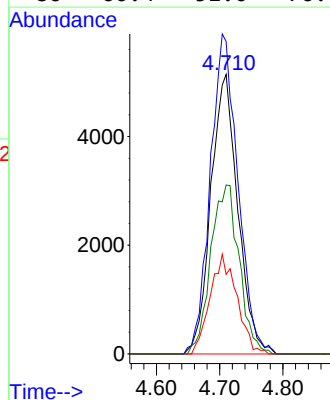
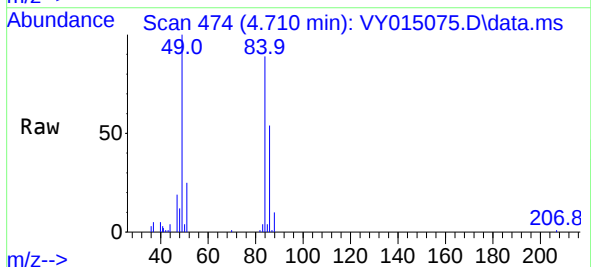
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBL01

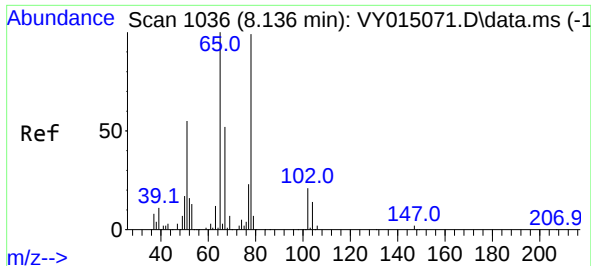
Tgt Ion:168 Resp: 153770  
Ion Ratio Lower Upper  
168 100  
99 56.8 43.4 65.0



#20  
Methylene Chloride  
Concen: 6.801 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

Tgt Ion: 84 Resp: 15230  
Ion Ratio Lower Upper  
84 100  
49 111.8 106.9 160.3  
51 28.5 33.2 49.8#  
86 60.4 51.0 76.6

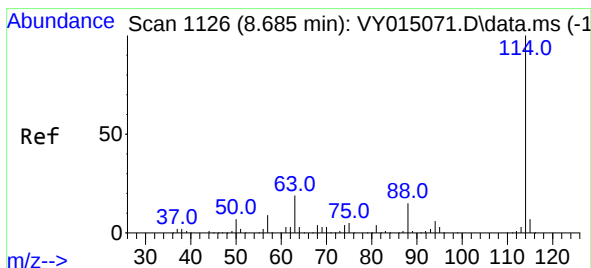
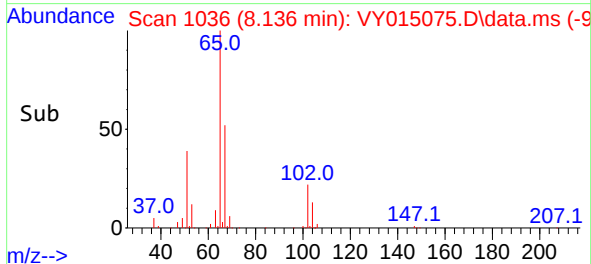
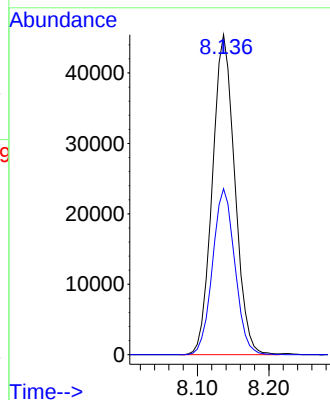
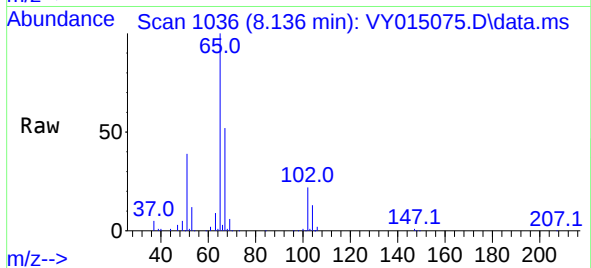




#33  
1,2-Dichloroethane-d4  
Concen: 53.642 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

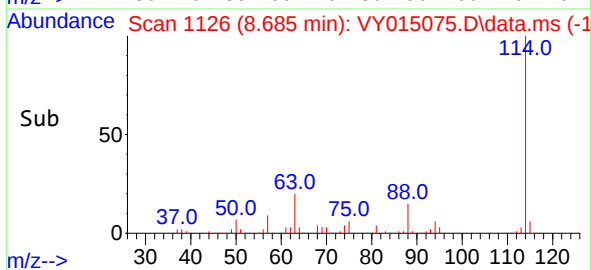
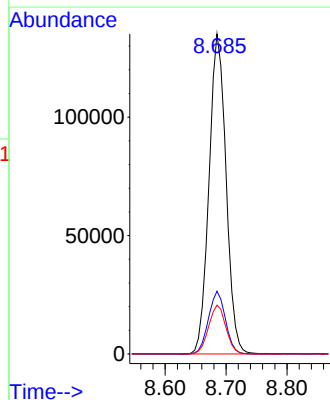
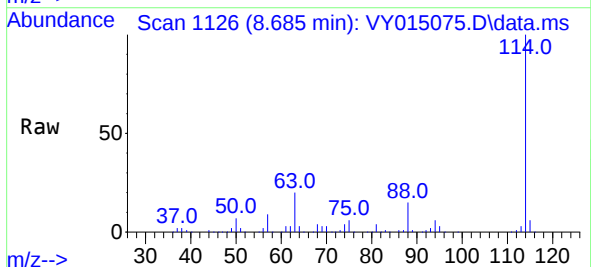
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBL01

Tgt Ion: 65 Resp: 99016  
Ion Ratio Lower Upper  
65 100  
67 51.5 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: VY015075.D  
Acq: 14 Aug 2023 13:34

Tgt Ion: 114 Resp: 262792  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 42.4  
88 15.3 0.0 30.6

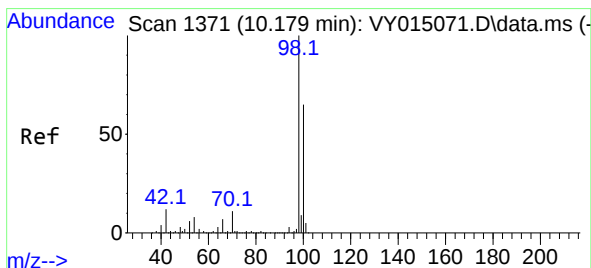
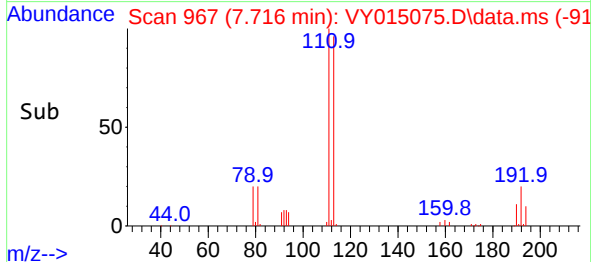
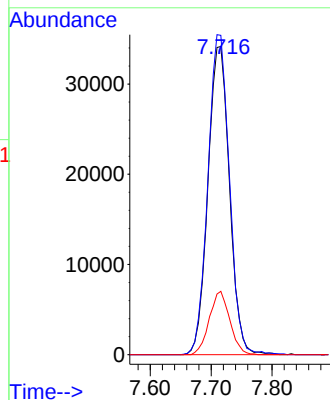
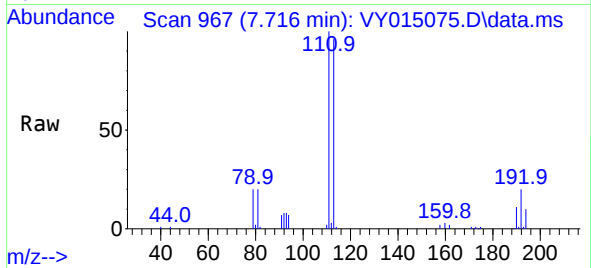




#35  
Dibromofluoromethane  
Concen: 49.665 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

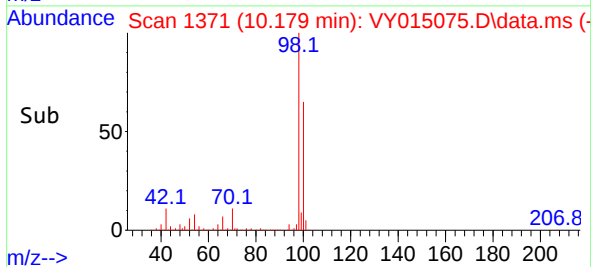
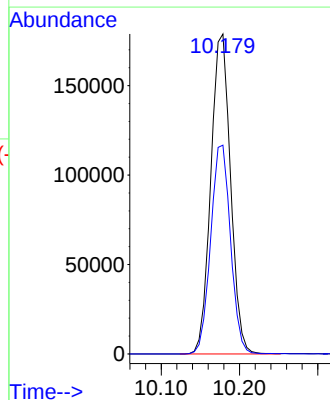
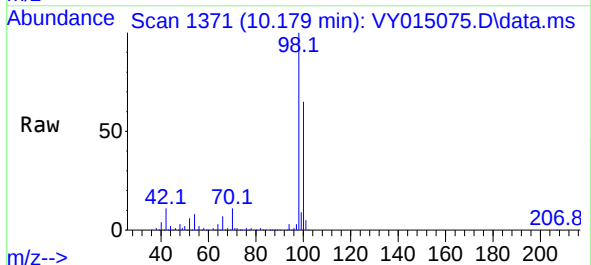
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBL01

Tgt Ion:113 Resp: 83965  
Ion Ratio Lower Upper  
113 100  
111 103.7 81.3 121.9  
192 19.6 16.9 25.3



#50  
Toluene-d8  
Concen: 49.659 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

Tgt Ion: 98 Resp: 312526  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.1 75.1

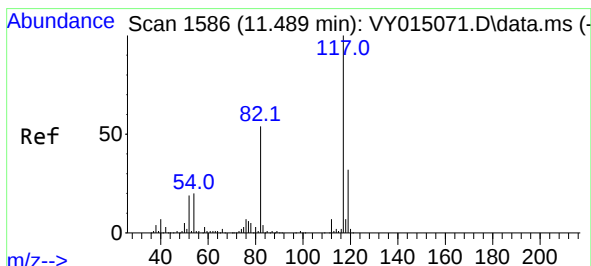
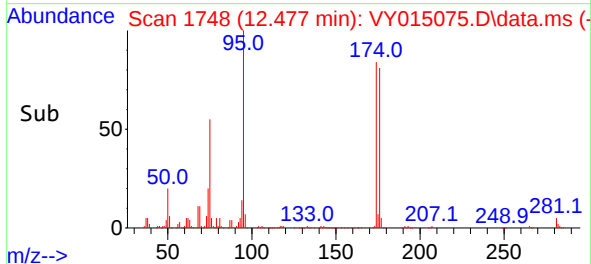
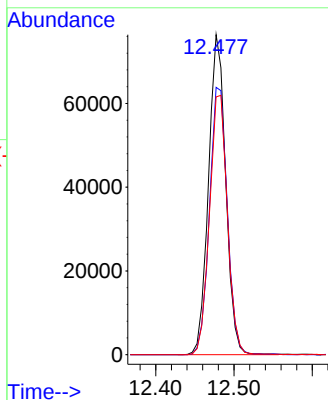
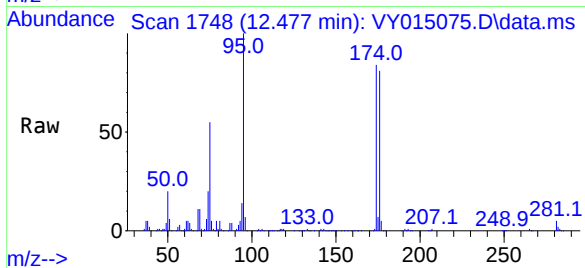




#62  
4-Bromofluorobenzene  
Concen: 50.647 ug/l  
RT: 12.477 min Scan# 116422  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

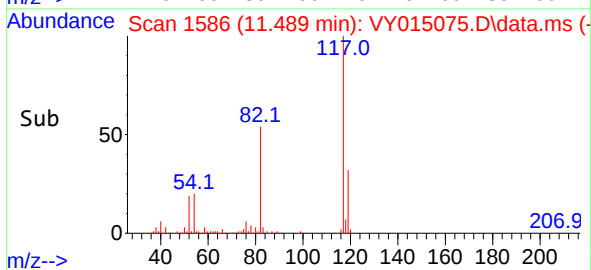
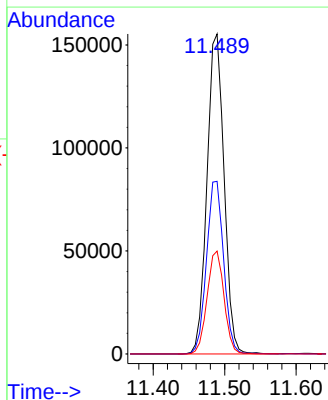
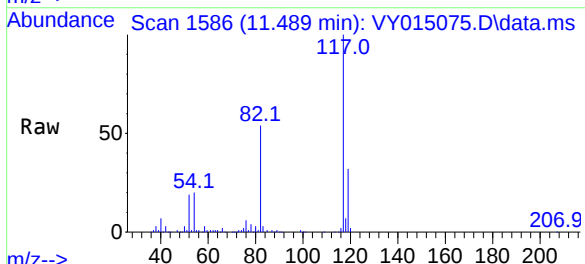
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBL01

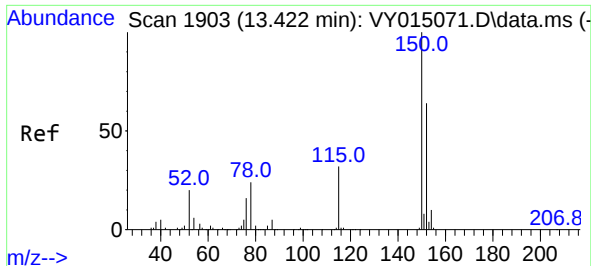
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 86.5  | 0.0   | 178.2 |
| 176     | 84.5  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

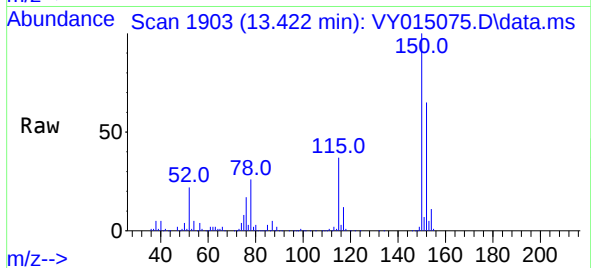
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.0  | 43.4  | 65.0  |
| 119     | 32.1  | 26.3  | 39.5  |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY015075.D  
Acq: 14 Aug 2023 13:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0814SBL01



Tgt Ion:152 Resp: 127444  
Ion Ratio Lower Upper  
152 100  
115 59.0 28.8 86.5  
150 157.2 0.0 348.8

