

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
 Data File : VY015318.D  
 Acq On : 24 Aug 2023 17:42  
 Operator : SY/MD  
 Sample : 04145-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1

Quant Time: Aug 25 03:22:13 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      | 7.789  | 168  | 171319   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 285789   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 268486   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 131694   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 110130   | 53.552   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.100% |
| 35) Dibromofluoromethane    | 7.715  | 113   | 89009    | 48.412   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.820%  |
| 50) Toluene-d8              | 10.178 | 98    | 344463   | 50.329   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 100.660% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 124178   | 49.674   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 99.340%  |

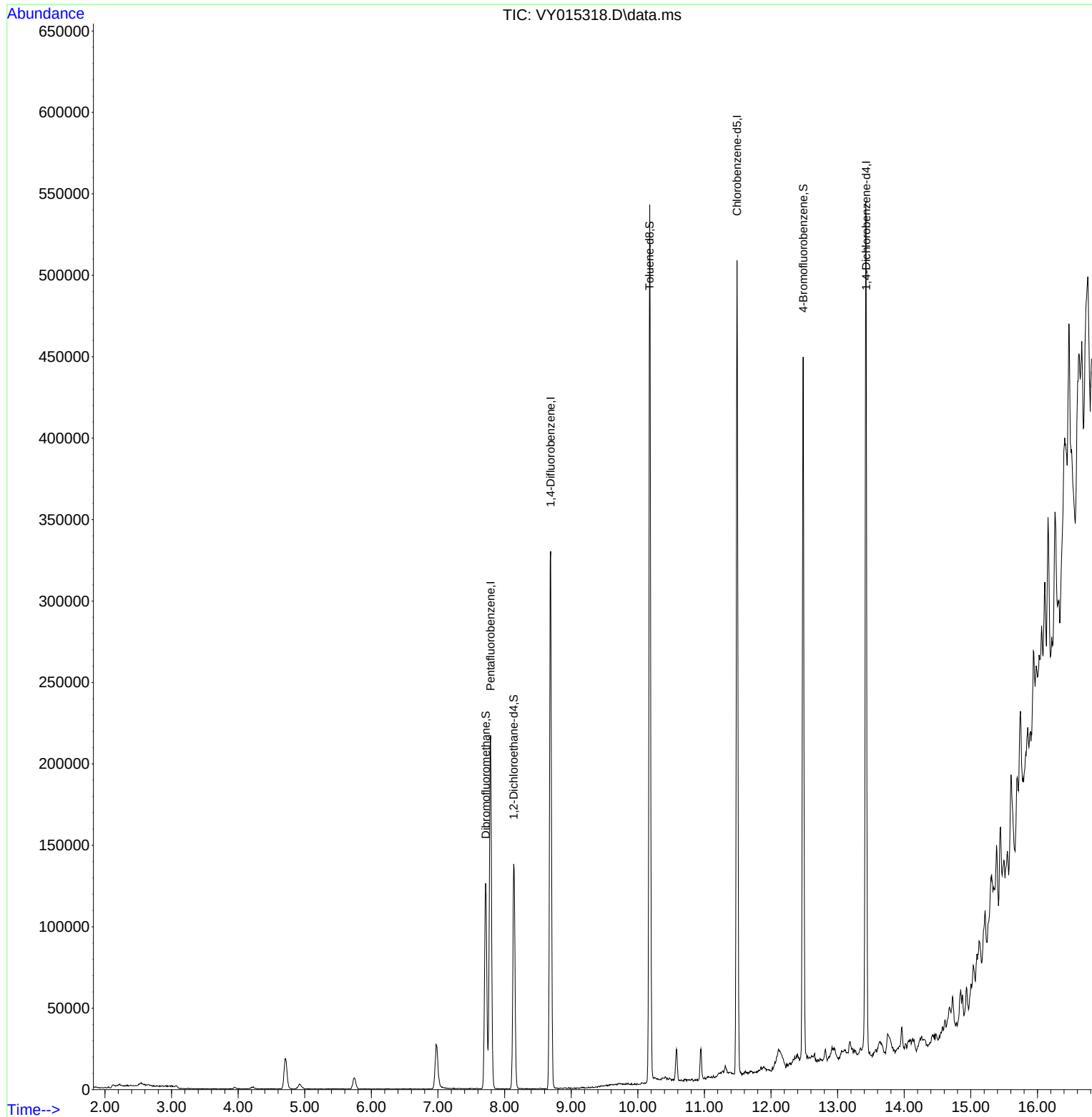
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

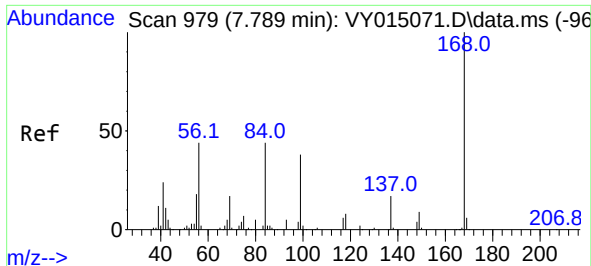
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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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

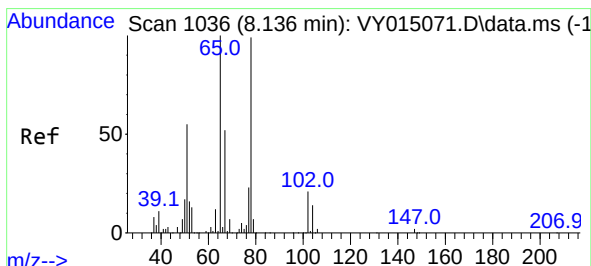
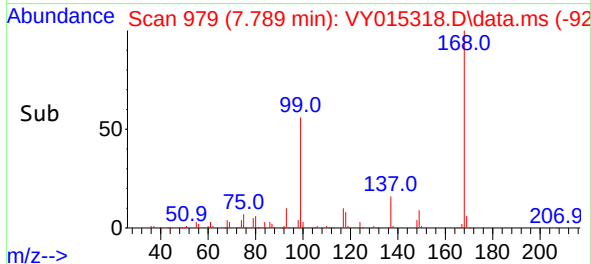
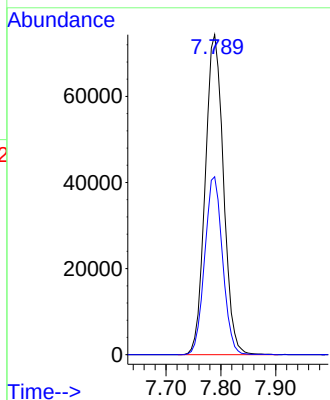
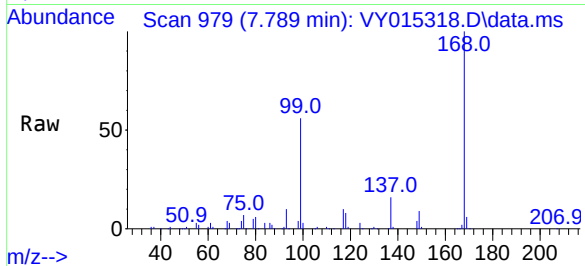




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

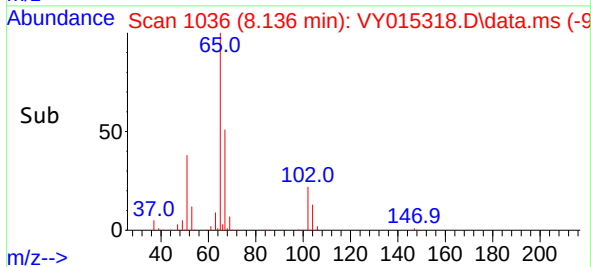
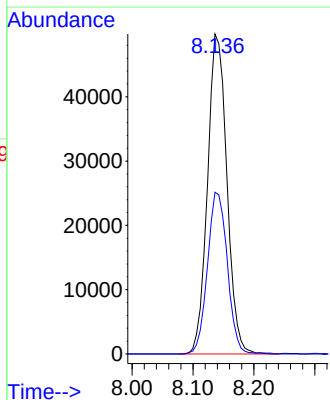
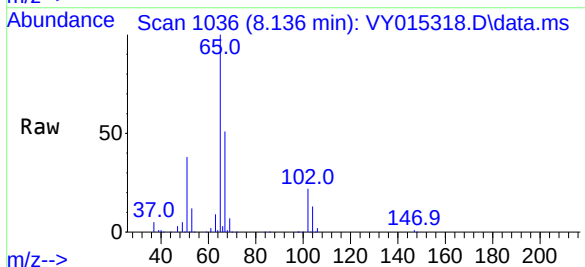
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

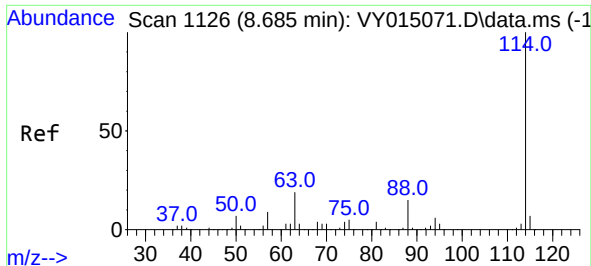
Tgt Ion:168 Resp: 171319  
Ion Ratio Lower Upper  
168 100  
99 55.6 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.552 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

Tgt Ion: 65 Resp: 110130  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 101.8

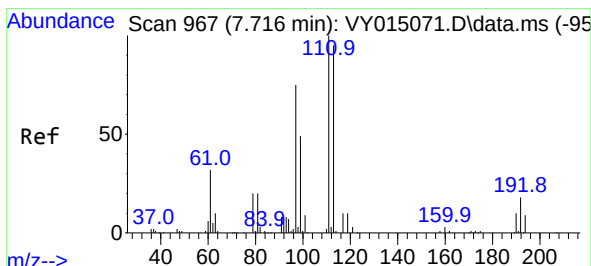
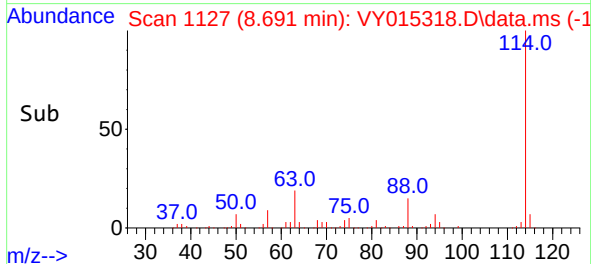
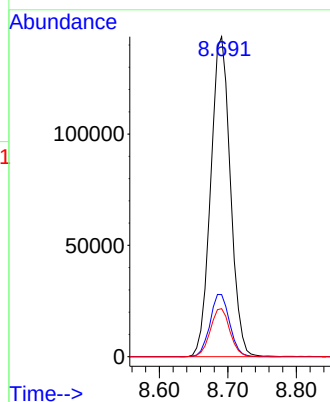
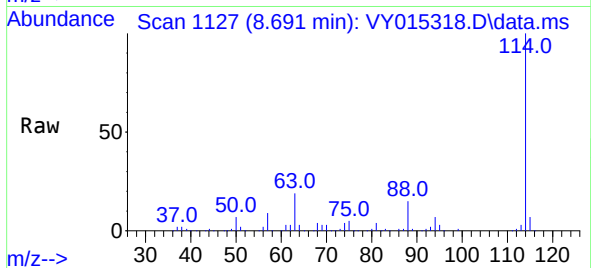




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

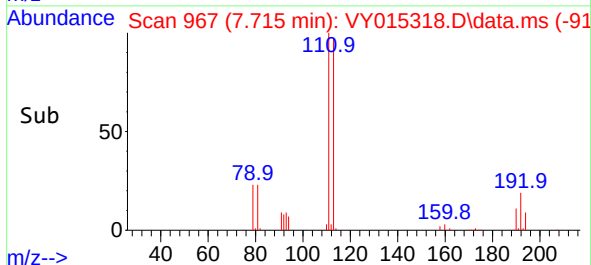
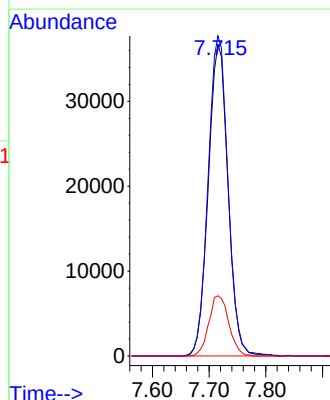
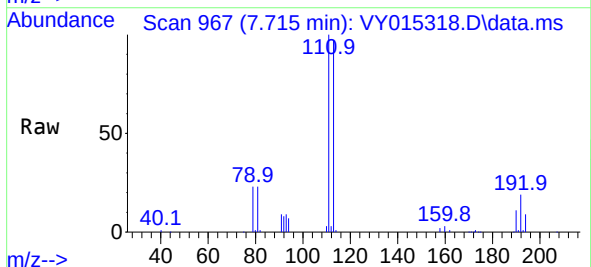
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

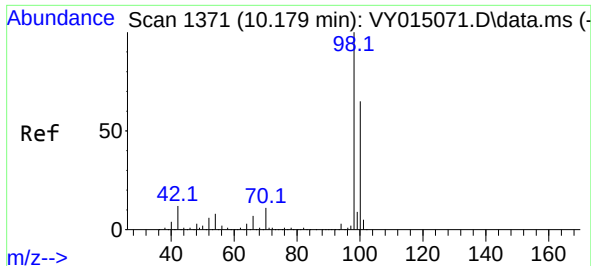
Tgt Ion:114 Resp: 285789  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.4  
88 15.0 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 48.412 ug/l  
RT: 7.715 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

Tgt Ion:113 Resp: 89009  
Ion Ratio Lower Upper  
113 100  
111 103.0 81.3 121.9  
192 19.5 16.9 25.3

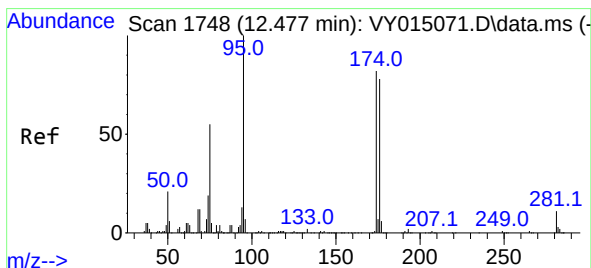
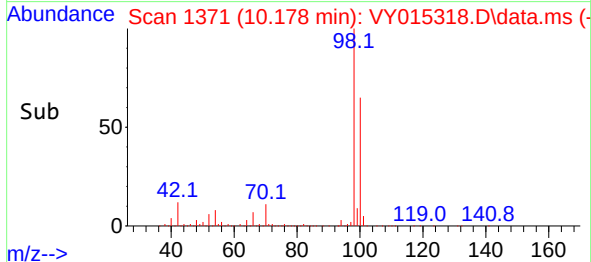
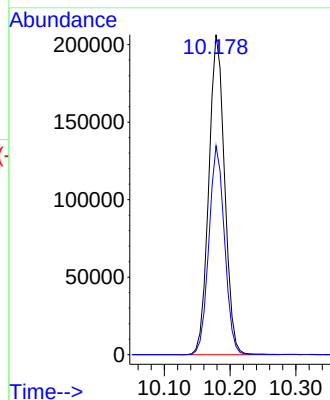
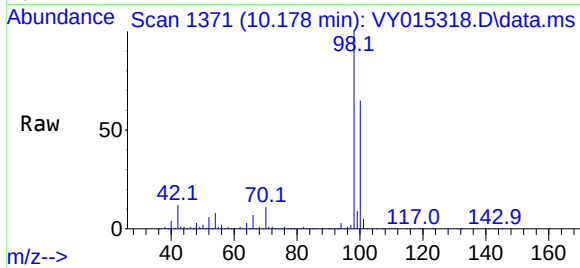




#50  
Toluene-d8  
Concen: 50.329 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

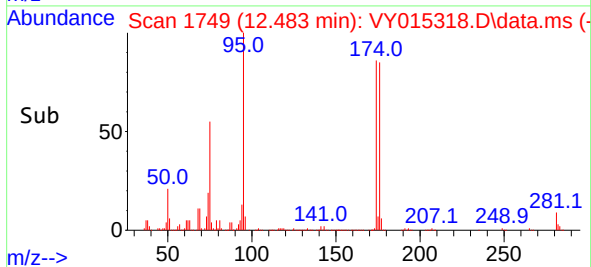
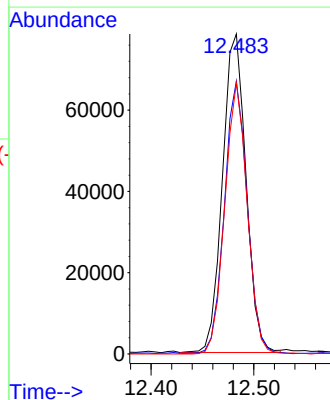
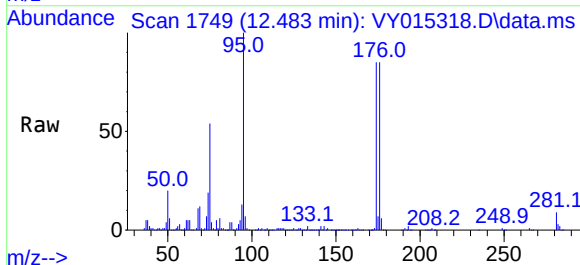
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

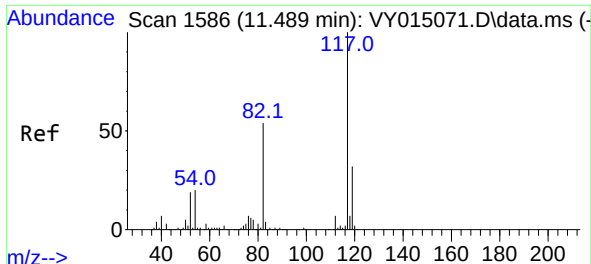
Tgt Ion: 98 Resp: 344463  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 49.674 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

Tgt Ion: 95 Resp: 124178  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 178.2  
176 81.1 0.0 173.8

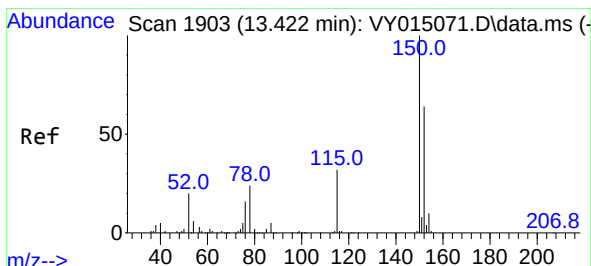
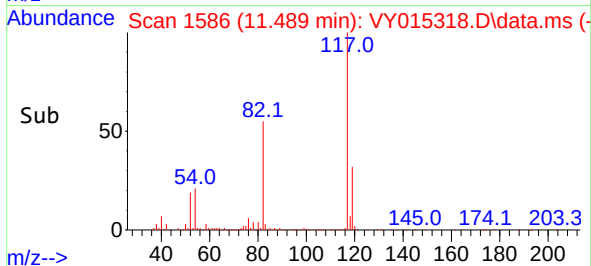
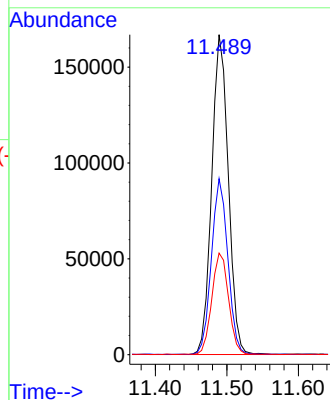
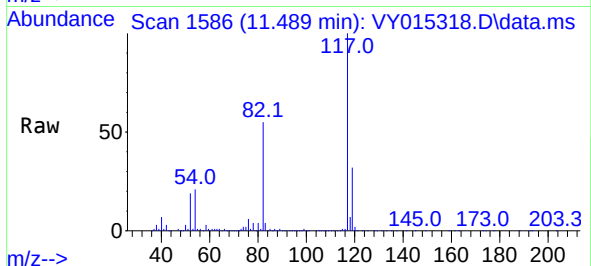




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1

Tgt Ion:117 Resp: 268486  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.4 65.0  
119 31.7 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY015318.D  
Acq: 24 Aug 2023 17:42

Tgt Ion:152 Resp: 131694  
Ion Ratio Lower Upper  
152 100  
115 58.1 28.8 86.5  
150 156.0 0.0 348.8

