

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082523\  
 Data File : VY015333.D  
 Acq On : 25 Aug 2023 11:30  
 Operator : SY/MD  
 Sample : VY0825SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0825SBL01

Quant Time: Aug 25 13:45:06 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  | 171307   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 290582   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 262553   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 128552   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 110027   | 53.505   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.020% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 91219    | 48.796   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.600%  |
| 50) Toluene-d8              | 10.179 | 98    | 338525   | 48.645   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.300%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 117762   | 46.331   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 92.660%  |

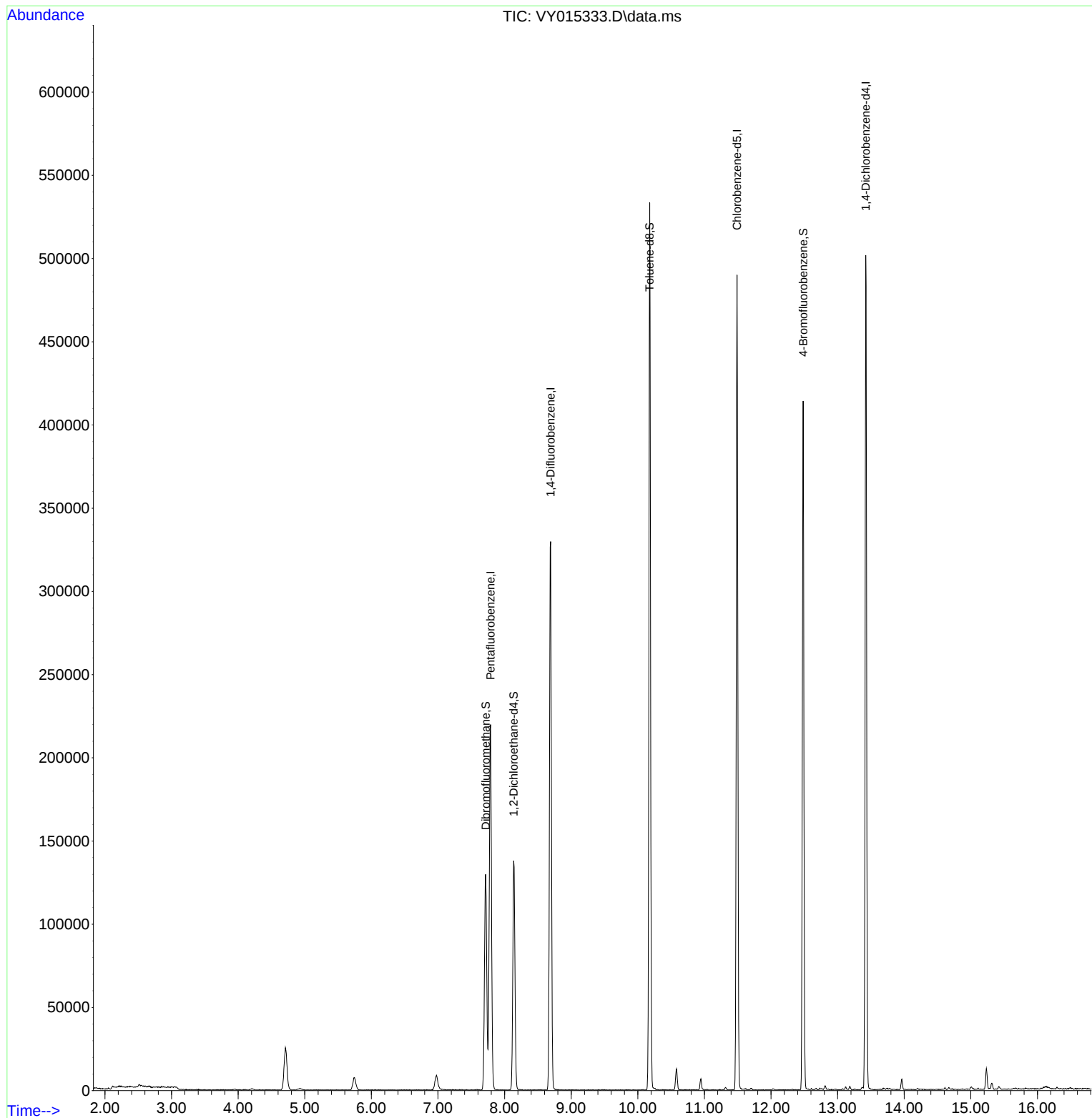
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

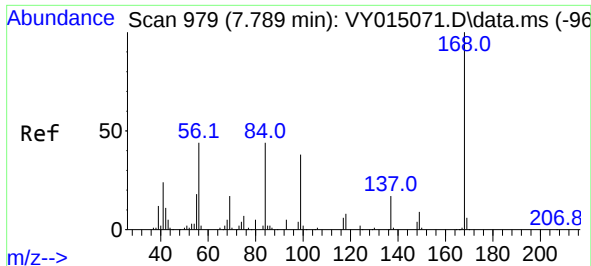
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 14 12:43:26 2023  
Response via : Initial Calibration

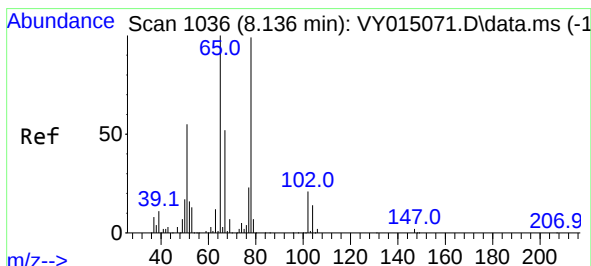
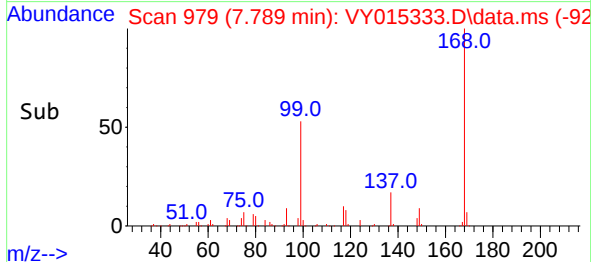
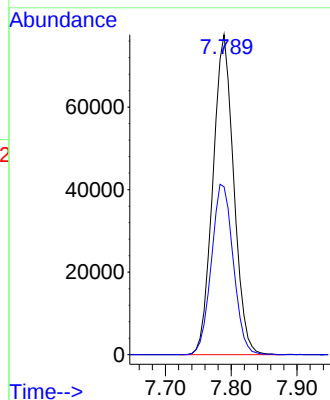
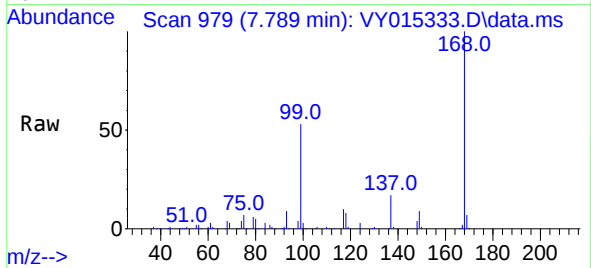




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

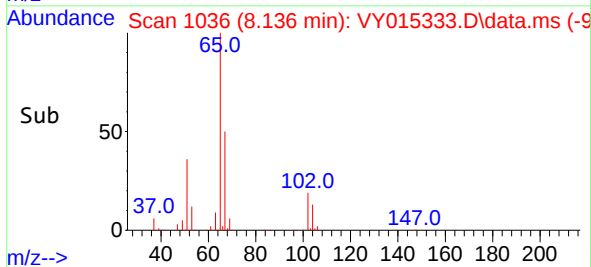
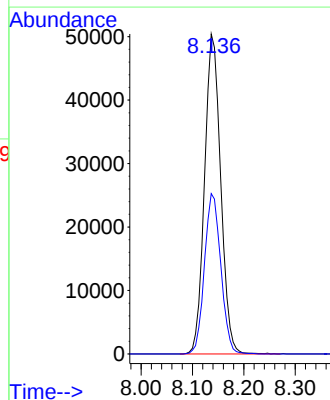
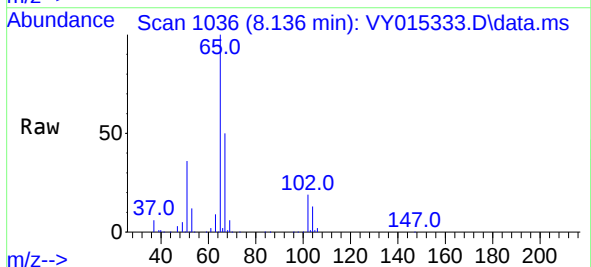
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

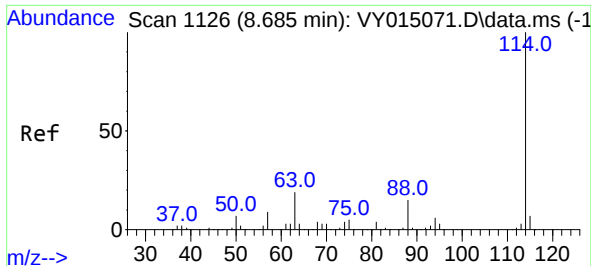
Tgt Ion:168 Resp: 171307  
Ion Ratio Lower Upper  
168 100  
99 52.5 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.505 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

Tgt Ion: 65 Resp: 110027  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 101.8

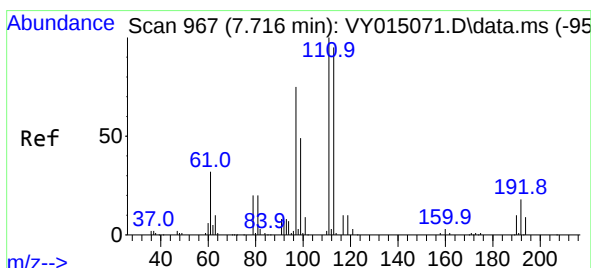
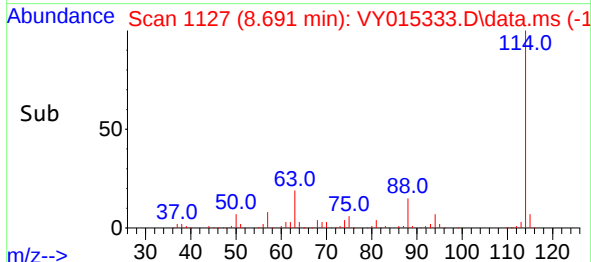
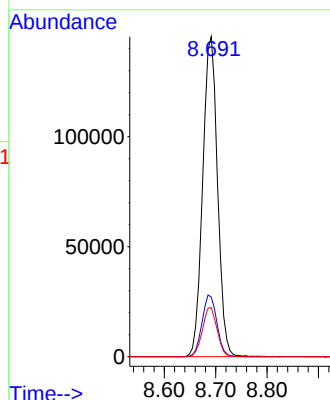
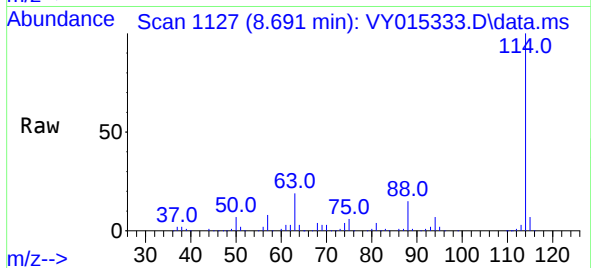




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

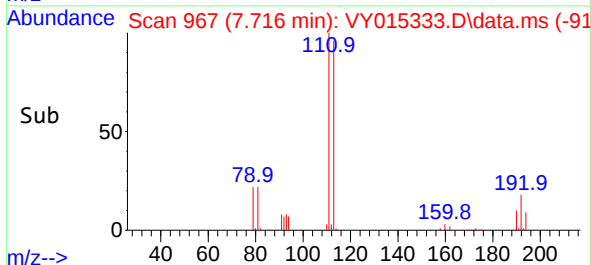
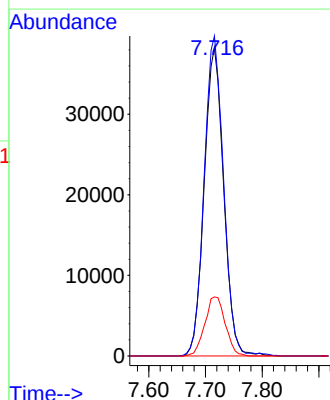
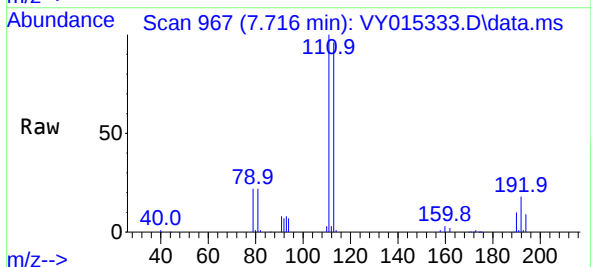
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

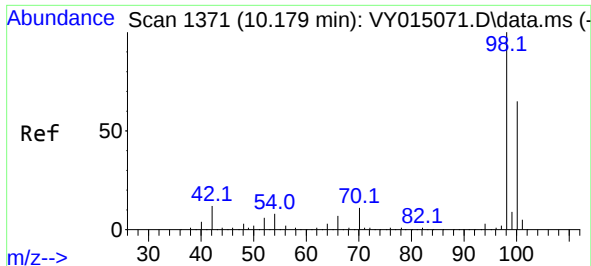
Tgt Ion:114 Resp: 290582  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 42.4  
88 15.4 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 48.796 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

Tgt Ion:113 Resp: 91219  
Ion Ratio Lower Upper  
113 100  
111 103.5 81.3 121.9  
192 20.1 16.9 25.3

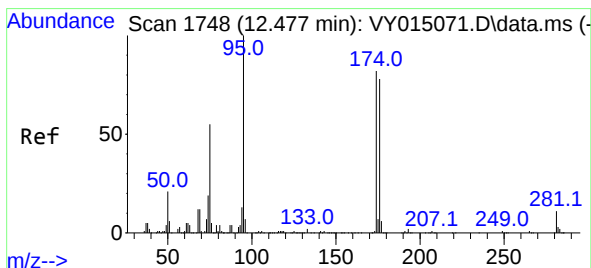
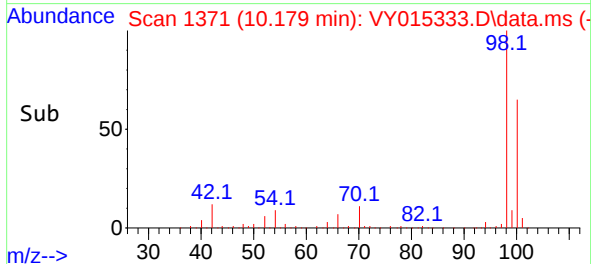
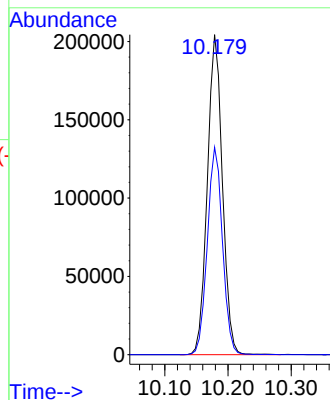
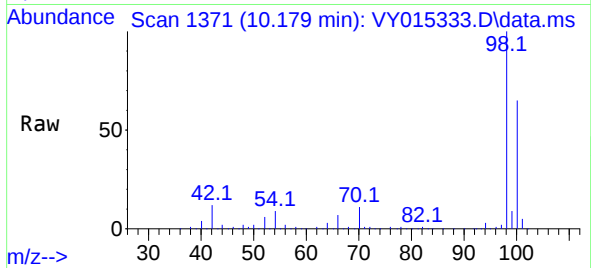




#50  
Toluene-d8  
Concen: 48.645 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

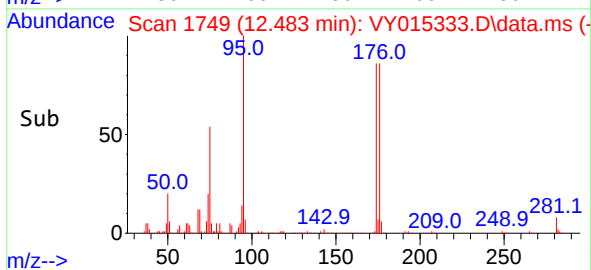
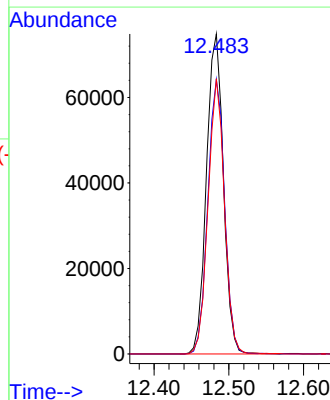
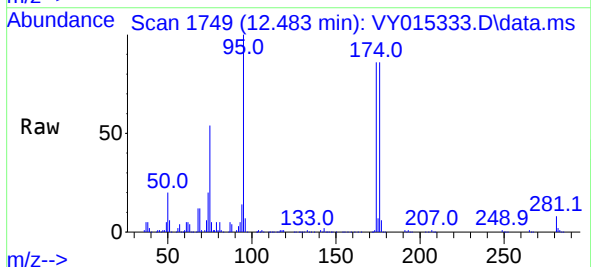
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VY0825SBL01

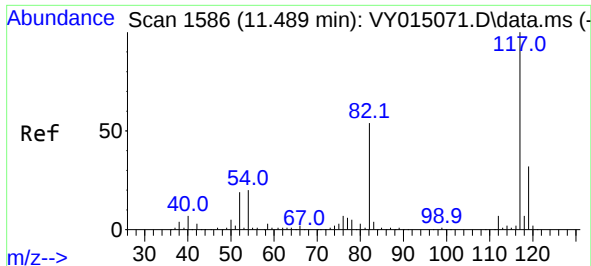
Tgt Ion: 98 Resp: 338525  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 46.331 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

Tgt Ion: 95 Resp: 117762  
Ion Ratio Lower Upper  
95 100  
174 85.3 0.0 178.2  
176 83.1 0.0 173.8

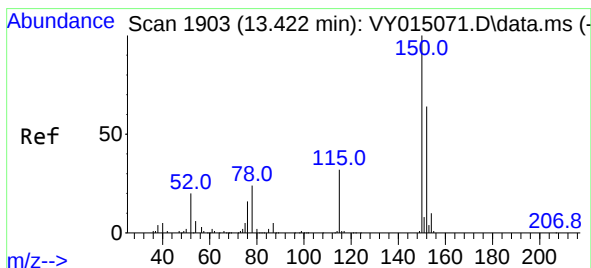
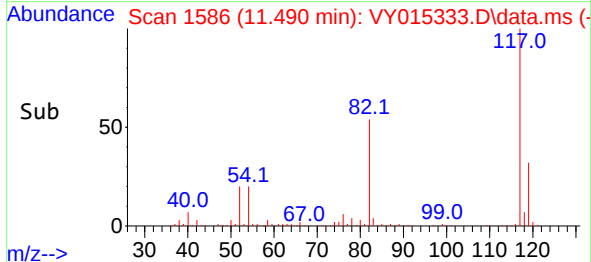
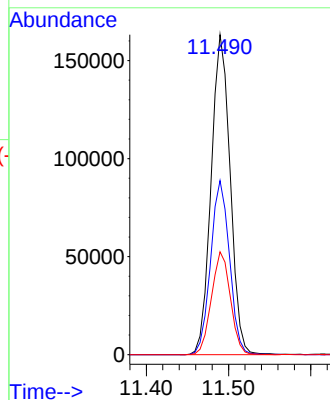
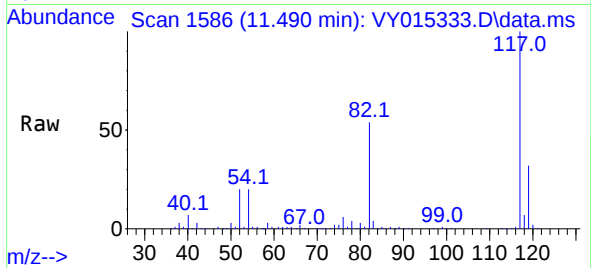




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015333.D  
Acq: 25 Aug 2023 11:30

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

Tgt Ion:117 Resp: 262553  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.4 65.0  
119 32.2 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: VY015333.D  
Acq: 25 Aug 2023 11:30

Tgt Ion:152 Resp: 128552  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.8 86.5  
150 155.6 0.0 348.8

