

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082423\  
 Data File : VY015313.D  
 Acq On : 24 Aug 2023 15:34  
 Operator : SY/MD  
 Sample : 04135-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 328

Quant Time: Aug 25 03:20:25 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

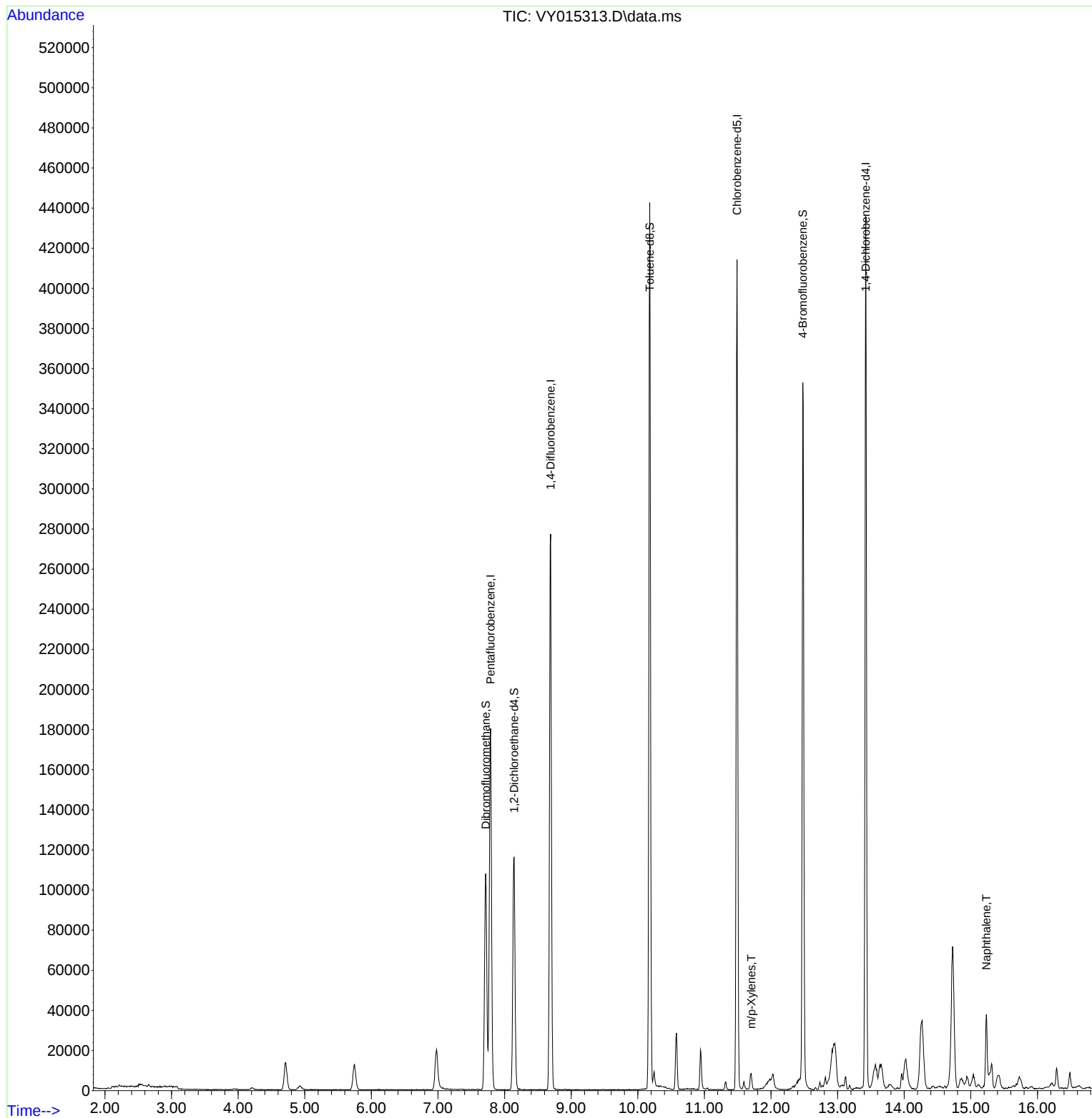
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 139951   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 239060   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 220652   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 107493   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 92881    | 55.287   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 110.580% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 75514    | 49.100   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 98.200%  |
| 50) Toluene-d8              | 10.179 | 98    | 280661   | 49.022   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 98.040%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 99327    | 47.500   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 95.000%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 68) m/p-Xylenes             | 11.703 | 106   | 2710     | 1.013    | ug/l   | 91       |
| 95) Naphthalene             | 15.233 | 128   | 30066    | 6.022    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

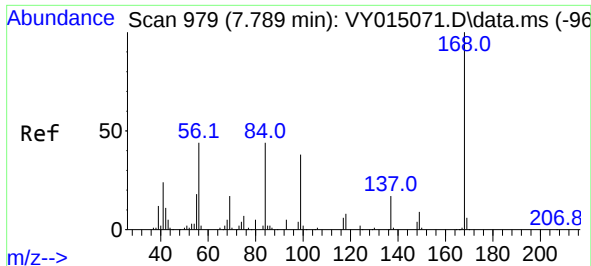
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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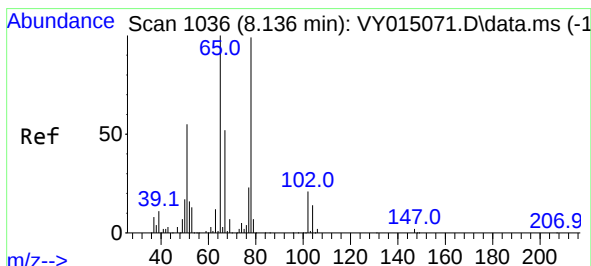
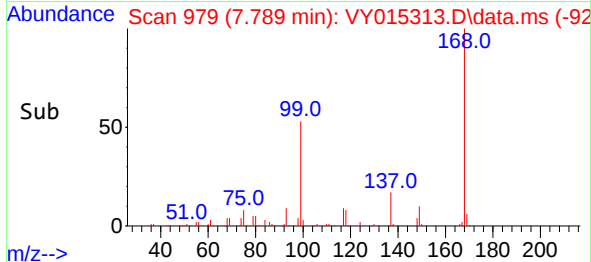
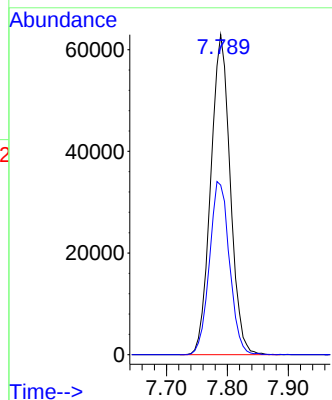
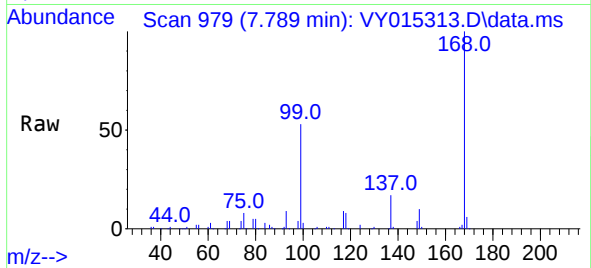




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

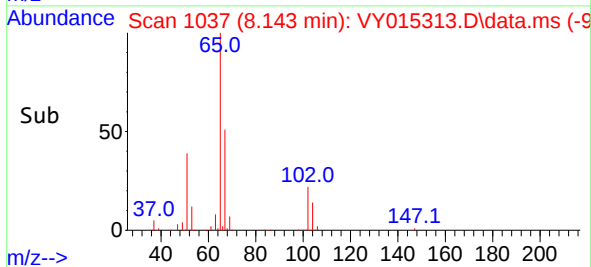
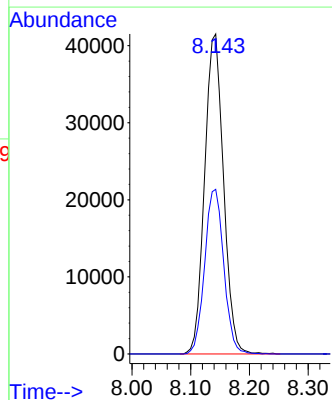
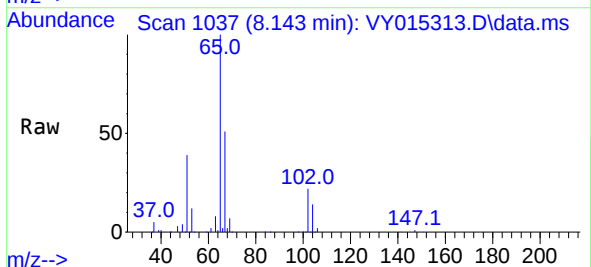
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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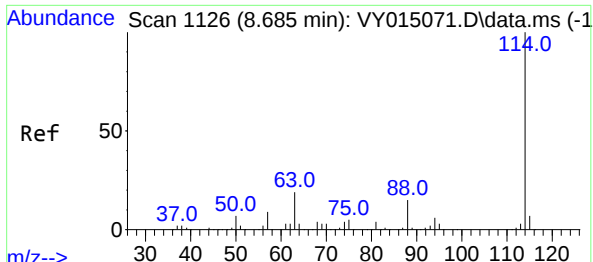
Tgt Ion:168 Resp: 139951  
Ion Ratio Lower Upper  
168 100  
99 53.0 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 55.287 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Tgt Ion: 65 Resp: 92881  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 101.8

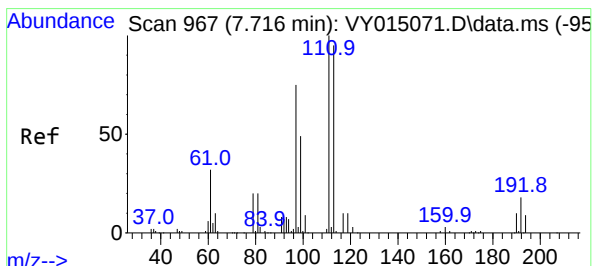
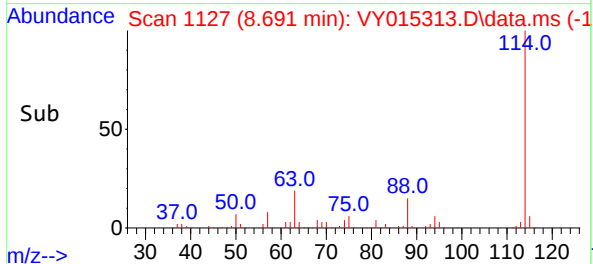
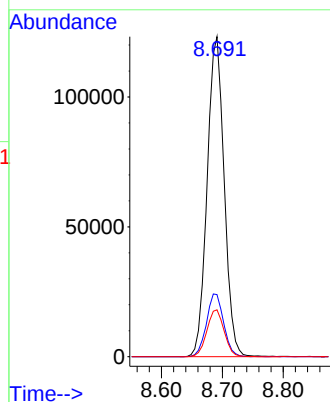
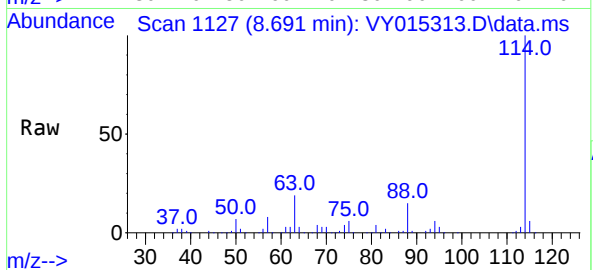




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1126  
Delta R.T. 0.006 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

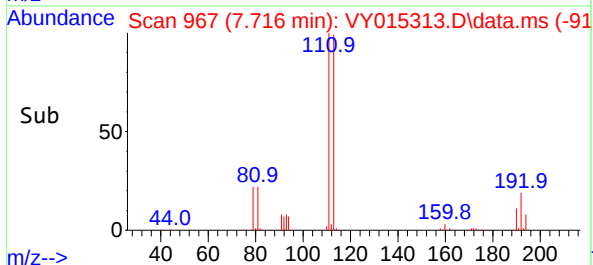
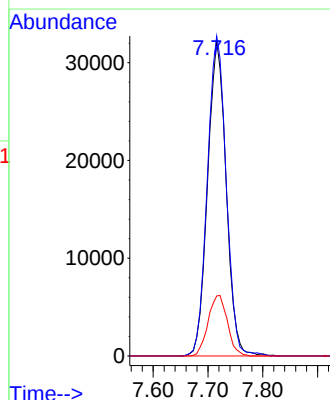
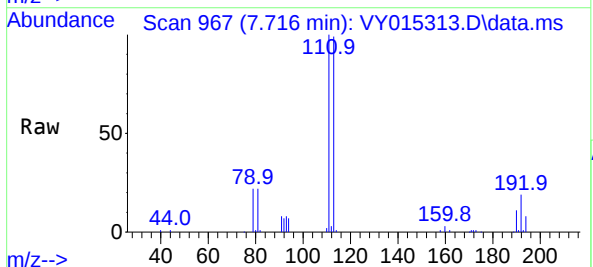
Instrument :  
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ClientSampleId :  
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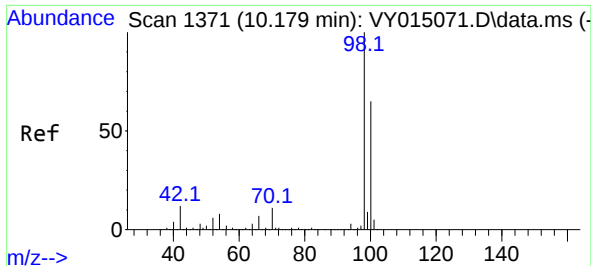
Tgt Ion:114 Resp: 239060  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.4  
88 14.7 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 49.100 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Tgt Ion:113 Resp: 75514  
Ion Ratio Lower Upper  
113 100  
111 103.1 81.3 121.9  
192 20.0 16.9 25.3

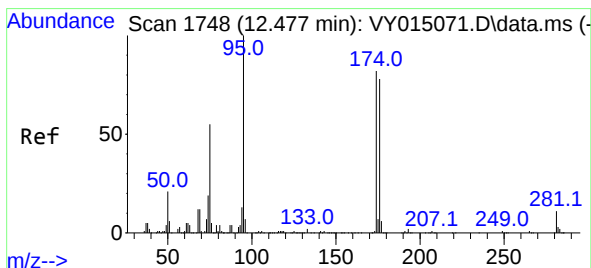
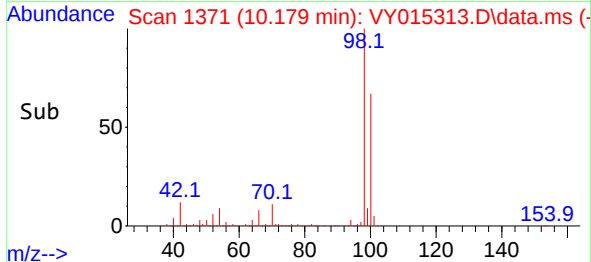
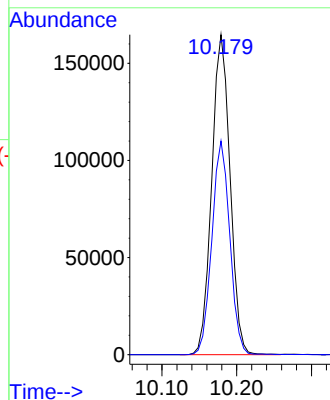
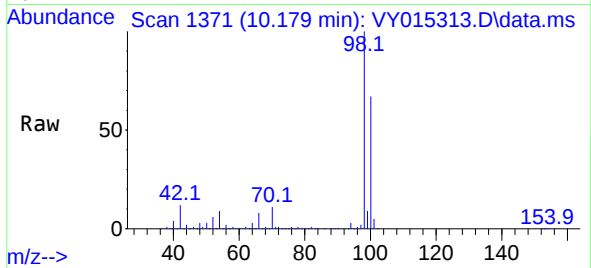




#50  
Toluene-d8  
Concen: 49.022 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

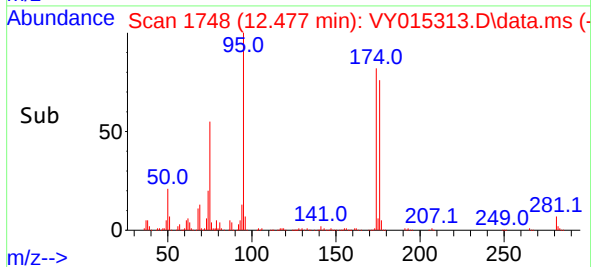
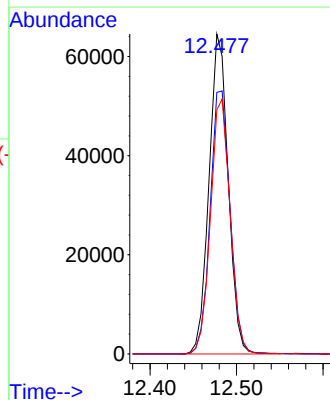
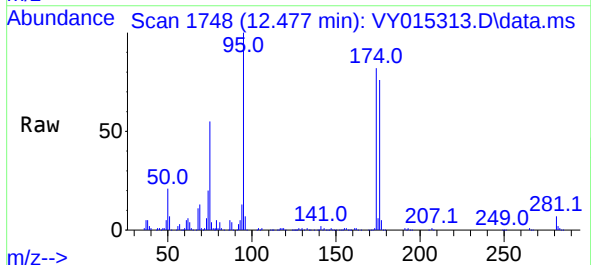
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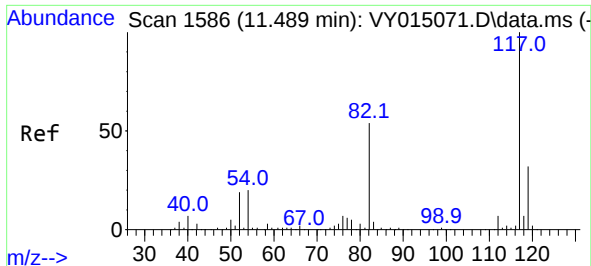
Tgt Ion: 98 Resp: 280661  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 47.500 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Tgt Ion: 95 Resp: 99327  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 178.2  
176 81.6 0.0 173.8

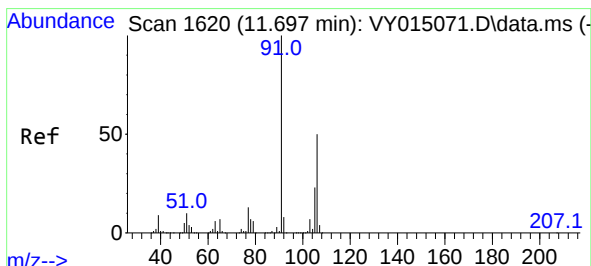
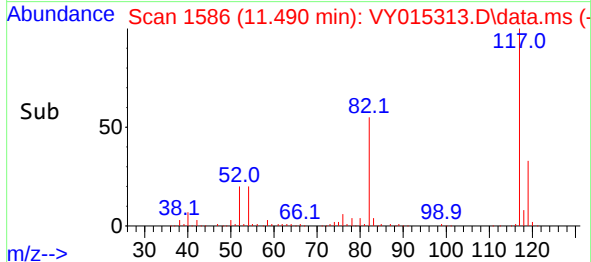
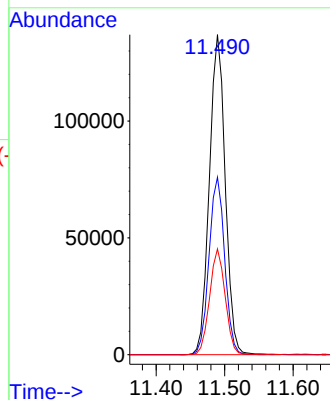
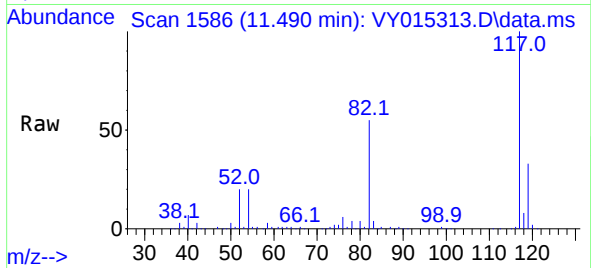




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

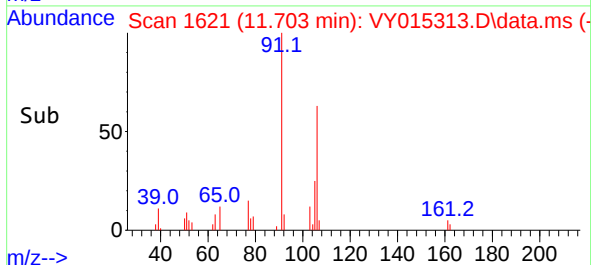
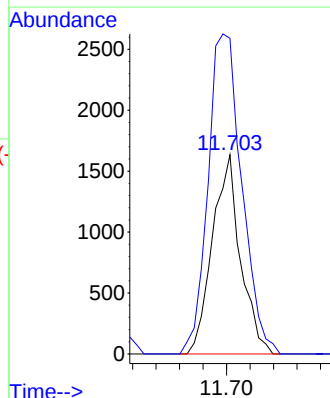
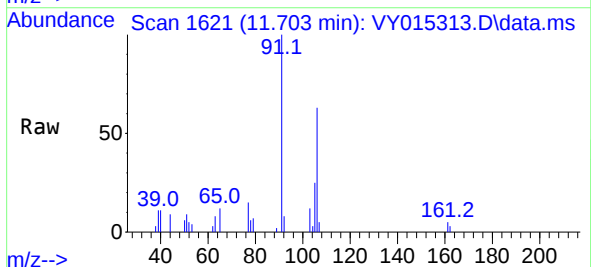
Instrument :  
MSVOA\_Y  
ClientSampleId :  
328

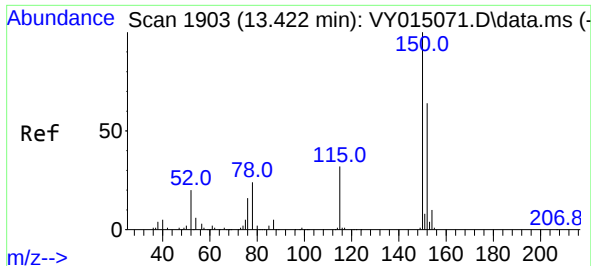
Tgt Ion:117 Resp: 220652  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.4 65.0  
119 33.0 26.3 39.5



#68  
m/p-Xylenes  
Concen: 1.013 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.006 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Tgt Ion:106 Resp: 2710  
Ion Ratio Lower Upper  
106 100  
91 193.5 166.1 249.1

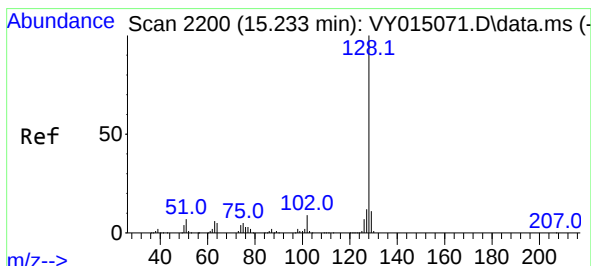
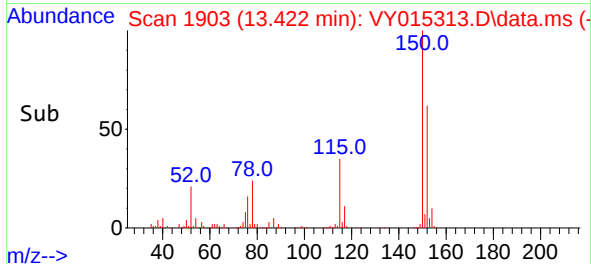
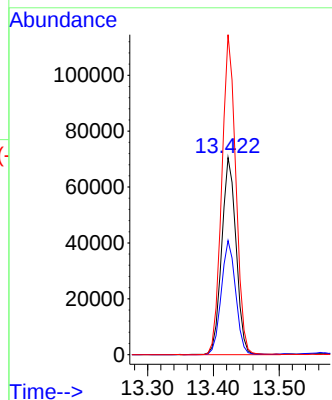
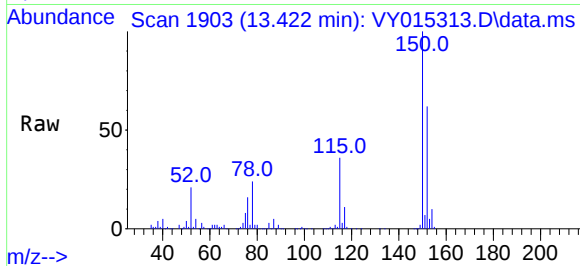




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
328

Tgt Ion:152 Resp: 107493  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.8 86.5  
150 158.6 0.0 348.8



#95  
Naphthalene  
Concen: 6.022 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. 0.000 min  
Lab File: VY015313.D  
Acq: 24 Aug 2023 15:34

Tgt Ion:128 Resp: 30066  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.8 16.2  
129 12.2 8.6 13.0

