

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022024\  
 Data File : VY017420.D  
 Acq On : 20 Feb 2024 14:36  
 Operator : SY/MD  
 Sample : P1509-11RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-191-GW-848-850RE

Quant Time: Feb 20 15:35:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 20 06:16:24 2024  
 Response via : Initial Calibration

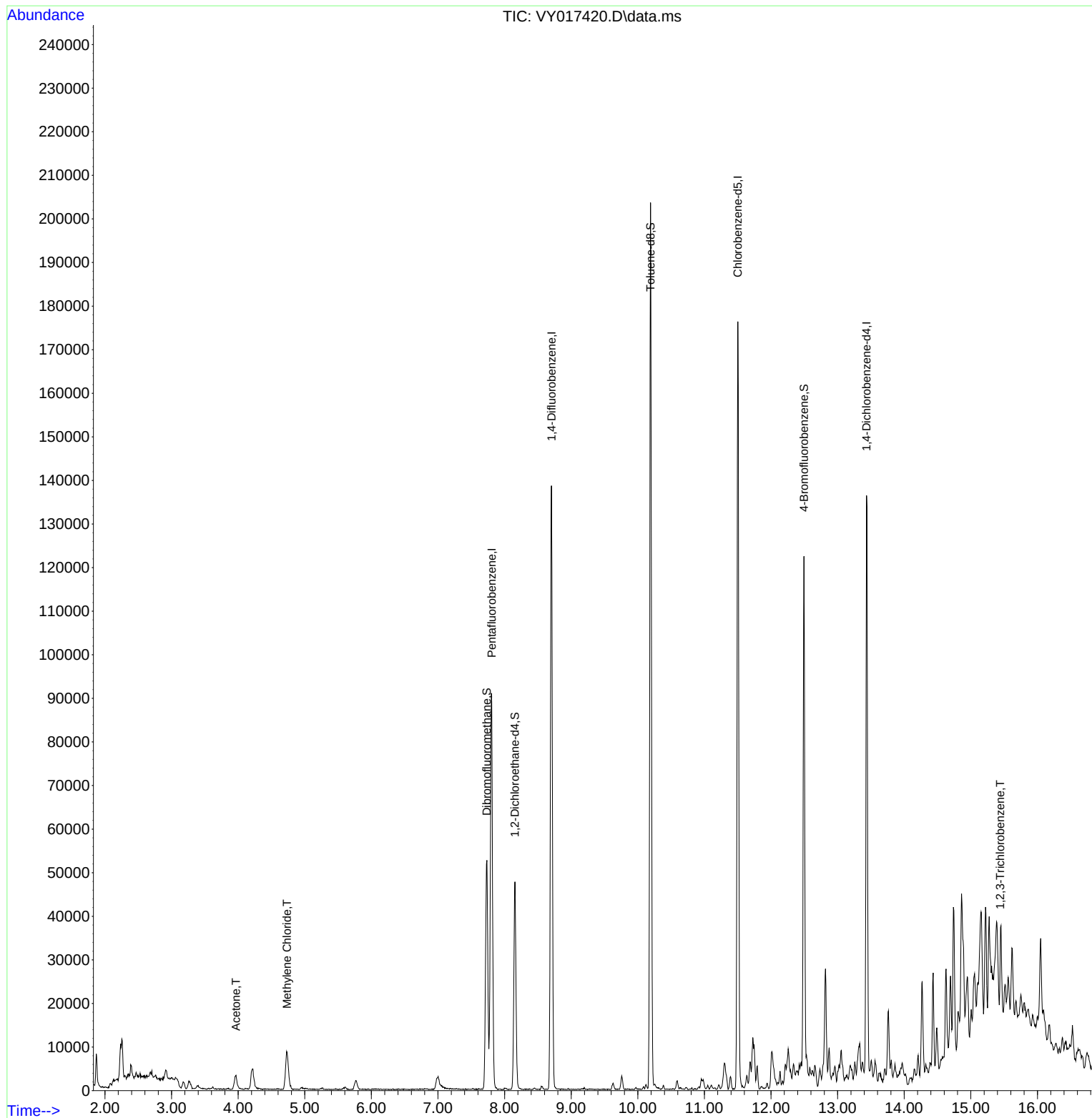
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.807  | 168   | 74347    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 124805   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 101207   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 34390    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 35677    | 56.172   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 112.340% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 38517    | 52.722   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 105.440% |
| 50) Toluene-d8              | 10.191 | 98    | 134504   | 47.471   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 94.940%  |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 34762    | 37.243   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 74.480%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.966  | 43    | 5820     | 42.311   | ug/l # | 81       |
| 20) Methylene Chloride      | 4.735  | 84    | 7020     | 2.554    | ug/l   | 89       |
| 96) 1,2,3-Trichlorobenzene  | 15.440 | 180   | 1072     | 2.303    | ug/l # | 91       |
| -----                       |        |       |          |          |        |          |

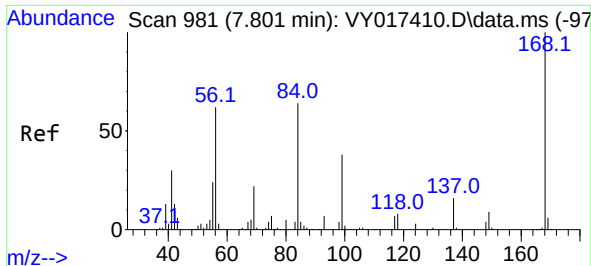
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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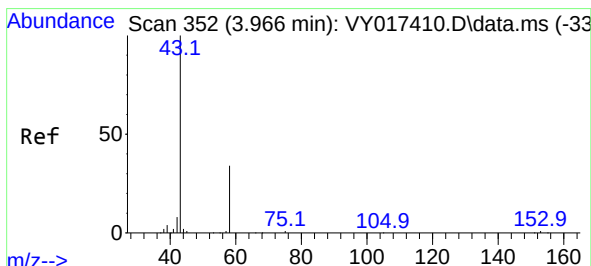
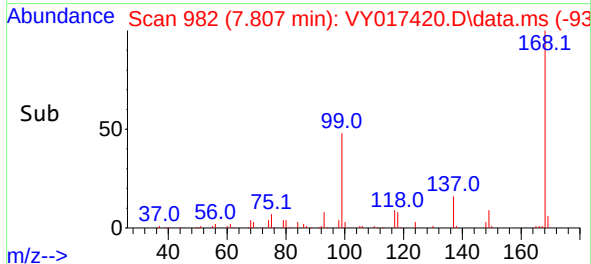
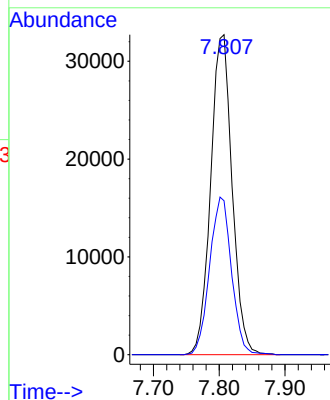
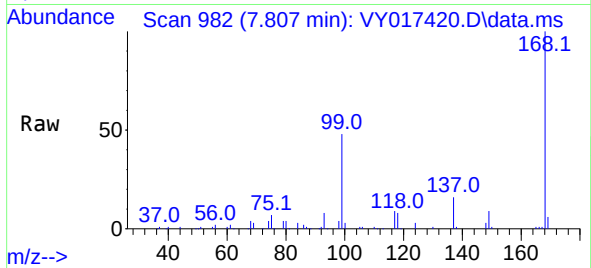




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

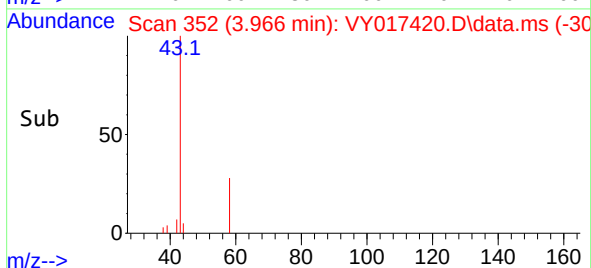
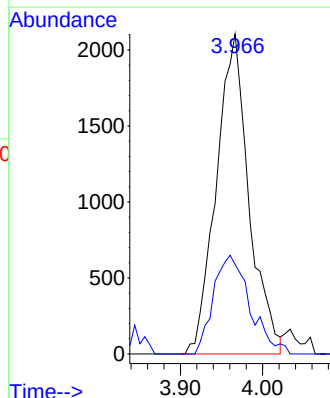
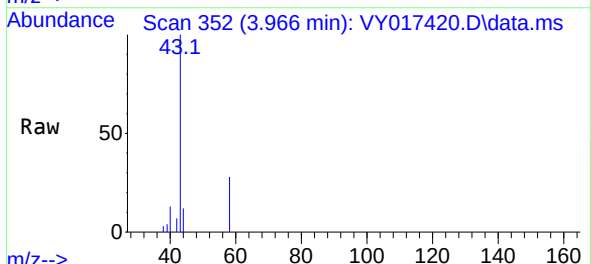
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-191-GW-848-850RE

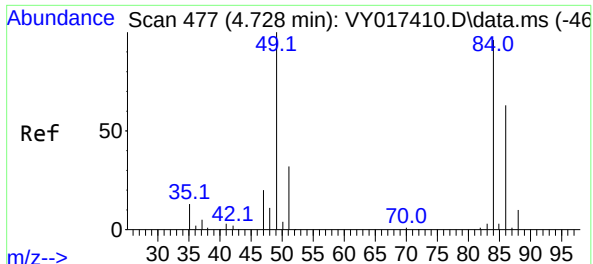
Tgt Ion:168 Resp: 74347  
Ion Ratio Lower Upper  
168 100  
99 48.1 39.1 58.7



#16  
Acetone  
Concen: 42.311 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.000 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

Tgt Ion: 43 Resp: 5820  
Ion Ratio Lower Upper  
43 100  
58 28.0 31.7 47.5#



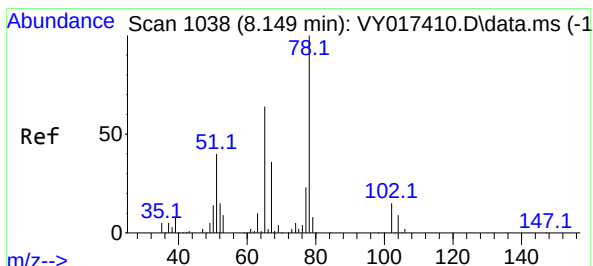
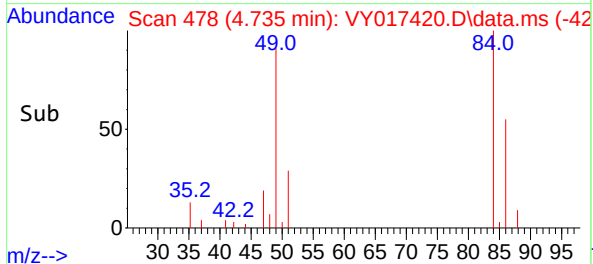
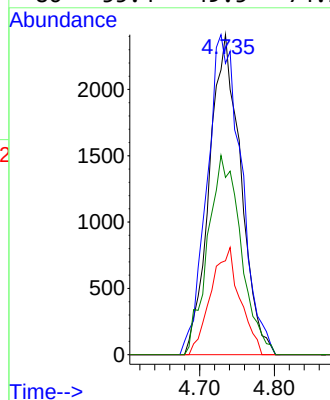
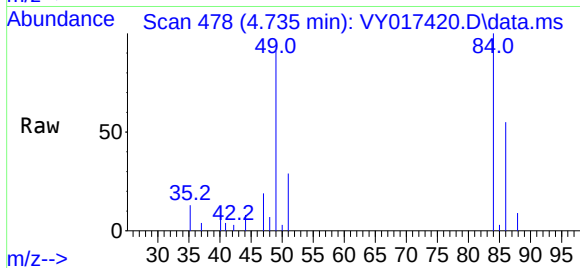


#20  
Methylene Chloride  
Concen: 2.554 ug/l  
RT: 4.735 min Scan# 41  
Delta R.T. 0.007 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-191-GW-848-850RE

Tgt Ion: 84 Resp: 7020

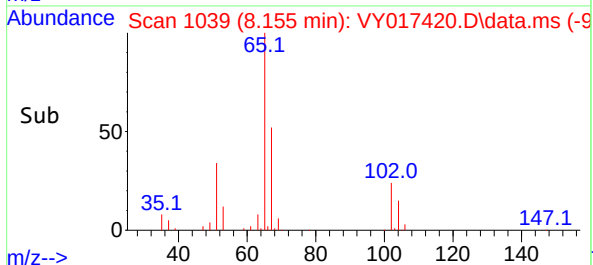
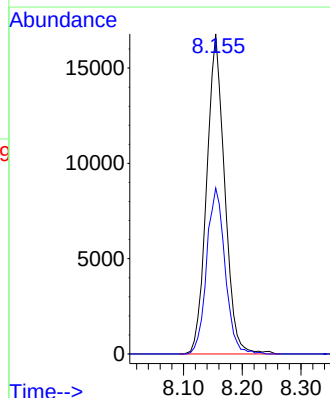
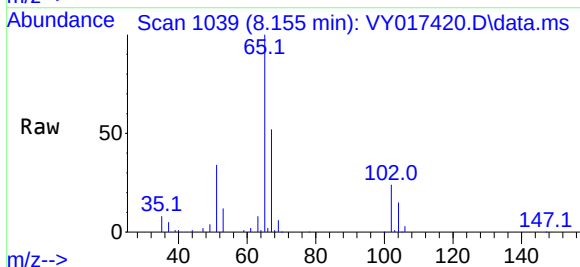
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 91.0  | 84.4  | 126.6 |
| 51  | 29.4  | 26.0  | 39.0  |
| 86  | 55.4  | 49.5  | 74.3  |

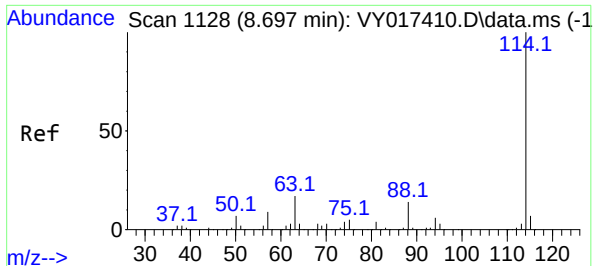


#33  
1,2-Dichloroethane-d4  
Concen: 56.172 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

Tgt Ion: 65 Resp: 35677

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 53.1  | 0.0   | 109.6 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017420.D

Acq: 20 Feb 2024 14:36

Instrument :

MSVOA\_Y

ClientSampleId :

BP-VPB-191-GW-848-850RE

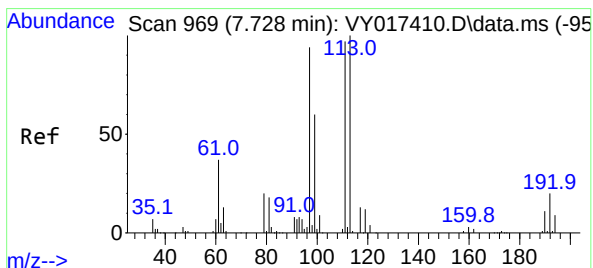
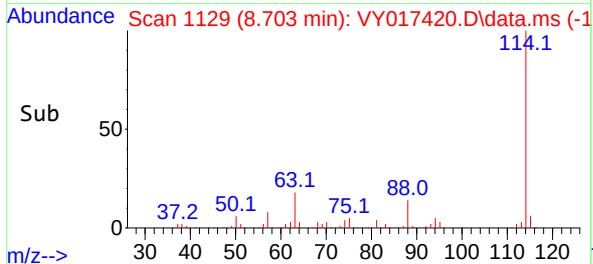
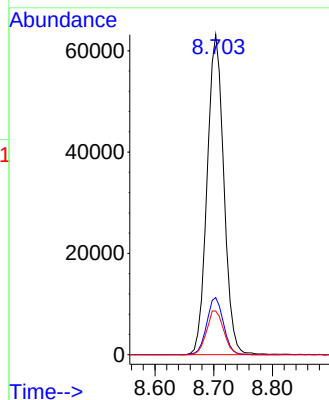
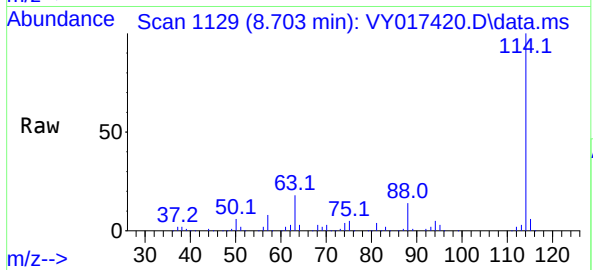
Tgt Ion:114 Resp: 124805

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.722 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY017420.D

Acq: 20 Feb 2024 14:36

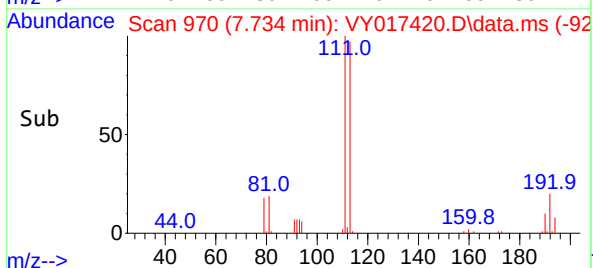
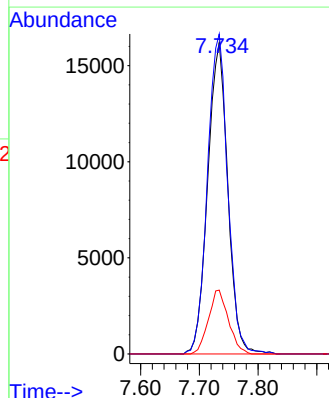
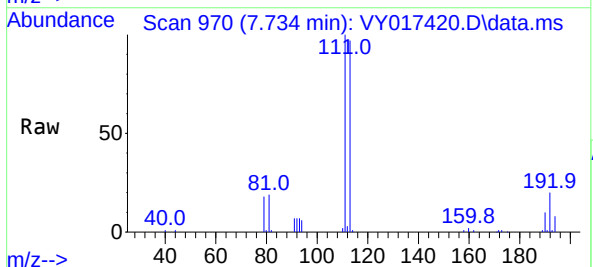
Tgt Ion:113 Resp: 38517

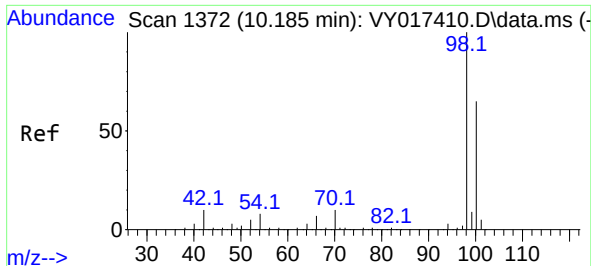
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 20.4 15.9 23.9

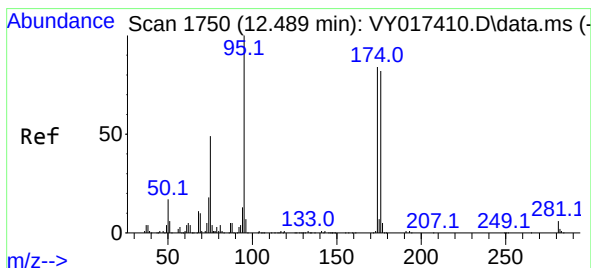
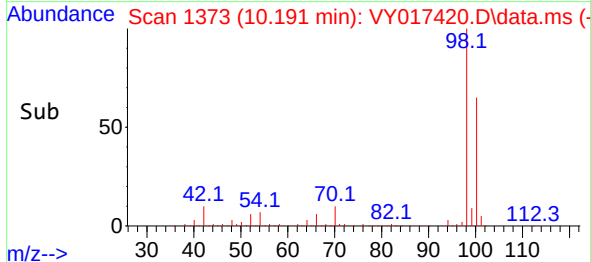
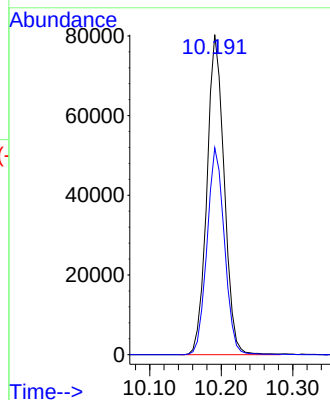
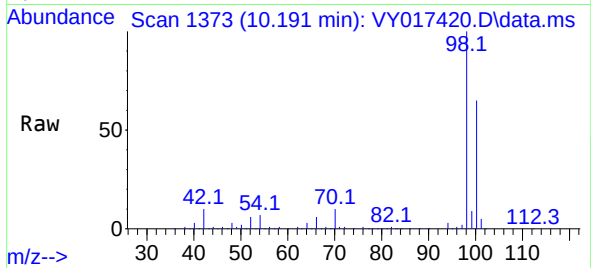




#50  
Toluene-d8  
Concen: 47.471 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

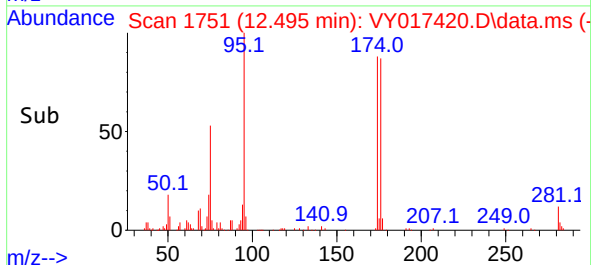
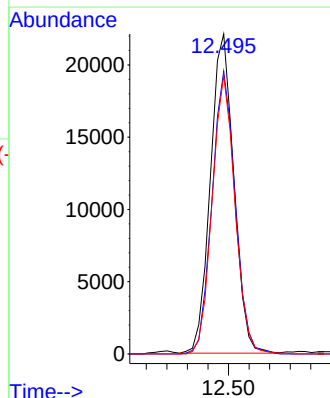
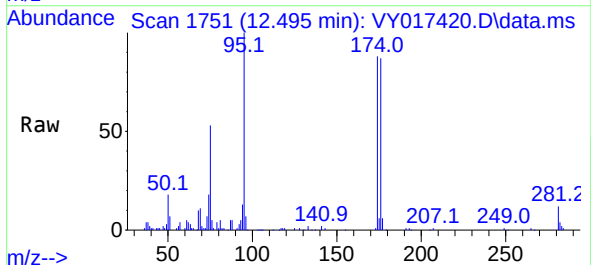
Instrument :  
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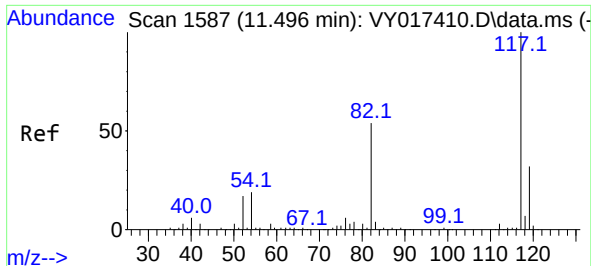
Tgt Ion: 98 Resp: 134504  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 37.243 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

Tgt Ion: 95 Resp: 34762  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 175.6  
176 85.3 0.0 171.4

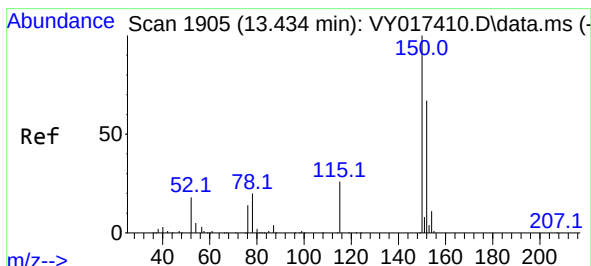
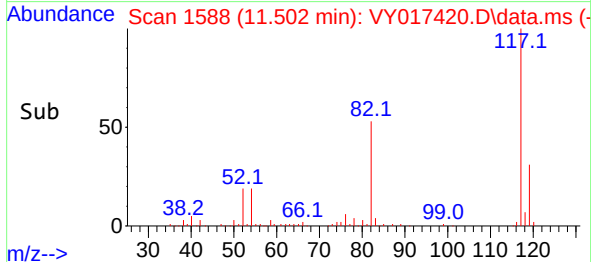
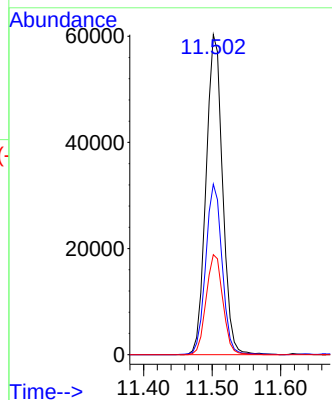
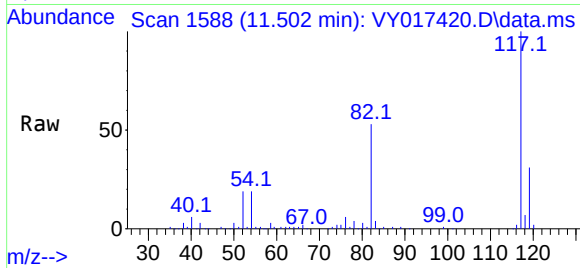




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

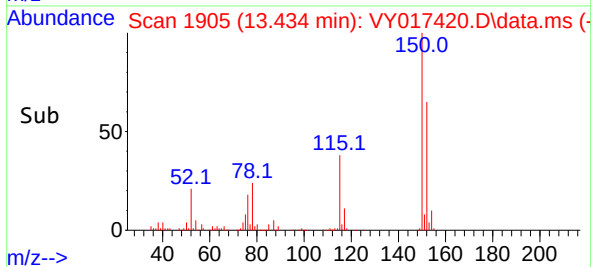
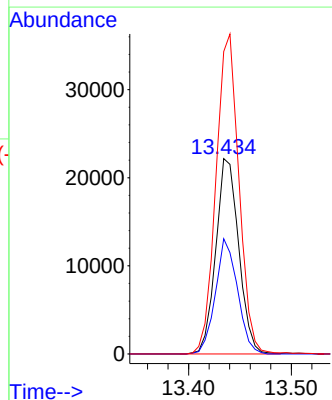
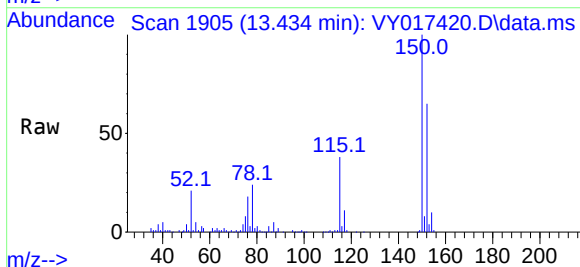
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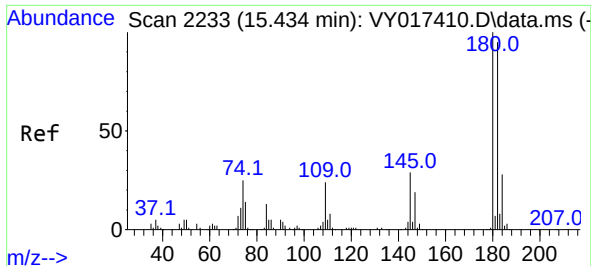
Tgt Ion:117 Resp: 101207  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.4 63.6  
119 31.3 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY017420.D  
Acq: 20 Feb 2024 14:36

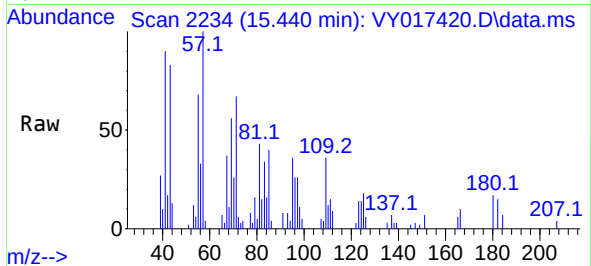
Tgt Ion:152 Resp: 34390  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.2 84.7  
150 164.1 0.0 345.6





#96  
 1,2,3-Trichlorobenzene  
 Concen: 2.303 ug/l  
 RT: 15.440 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VY017420.D  
 Acq: 20 Feb 2024 14:36

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-191-GW-848-850RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 1072  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 92.6  | 47.6  | 142.9 |
| 145      | 15.0  | 15.4  | 46.1  |

