

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032223\  
 Data File : VX034676.D  
 Acq On : 22 Mar 2023 16:46  
 Operator : JC/MD  
 Sample : 02034-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GW-CB05-30-35-032123

Quant Time: Mar 23 07:55:15 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

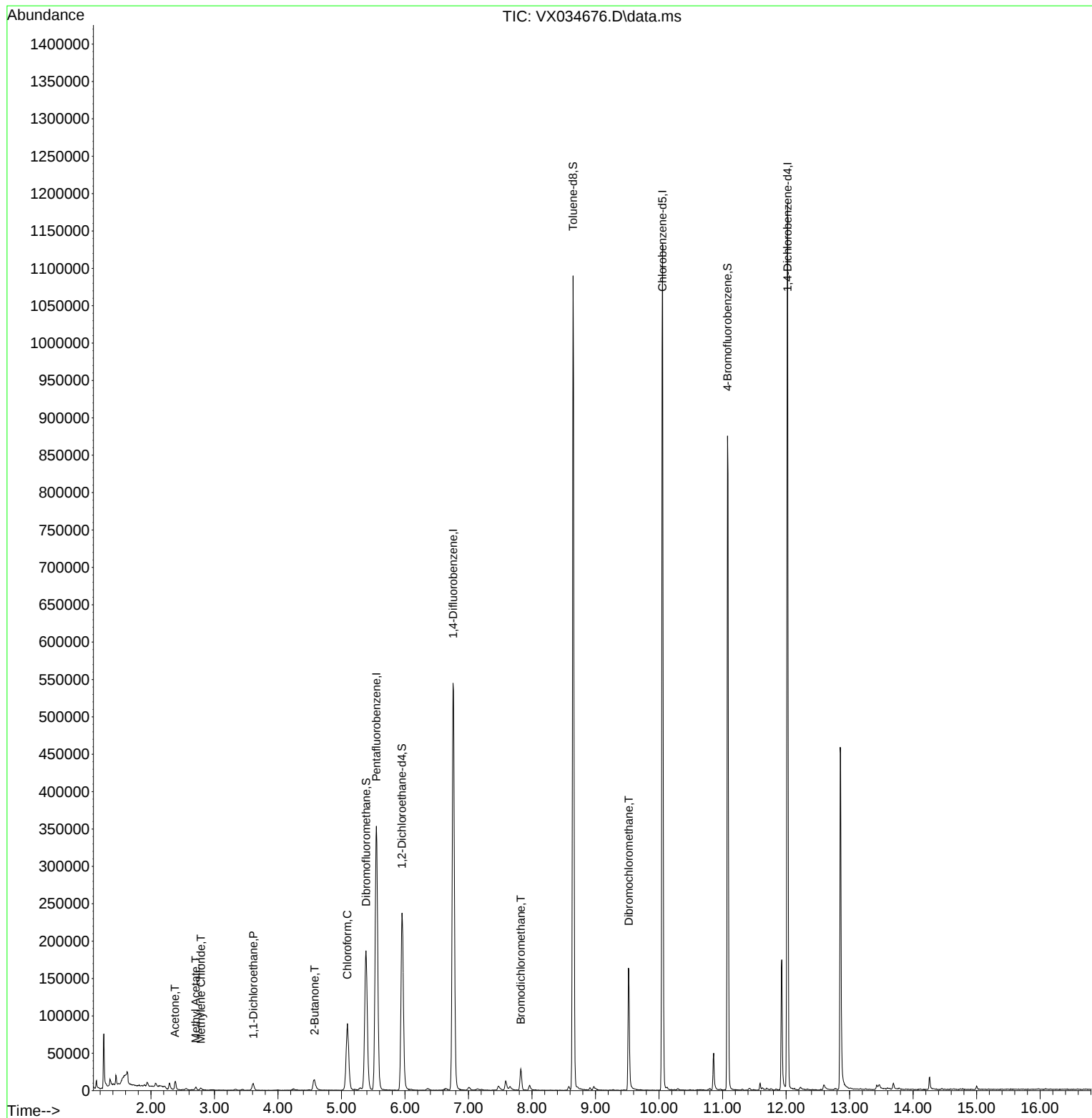
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.550     | 168   | 321534   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757     | 114   | 546077   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 483575   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 236650   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.952     | 65    | 235240   | 50.290   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | = 100.580% |          |
| 35) Dibromofluoromethane    | 5.385     | 113   | 162522   | 45.077   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | = 90.160%  |          |
| 50) Toluene-d8              | 8.647     | 98    | 617195   | 45.856   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | = 91.720%# |          |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 243290   | 44.751   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | = 89.500%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 2.380     | 43    | 12016    | 5.453    | ug/l #     | 88       |
| 18) Methyl Acetate          | 2.703     | 43    | 4704     | 0.653    | ug/l       | 91       |
| 20) Methylene Chloride      | 2.788     | 84    | 1262     | 0.295    | ug/l       | 90       |
| 24) 1,1-Dichloroethane      | 3.611     | 63    | 9619     | 1.315    | ug/l       | 96       |
| 25) 2-Butanone              | 4.574     | 43    | 27971    | 8.872    | ug/l       | 92       |
| 30) Chloroform              | 5.093     | 83    | 98695    | 13.766   | ug/l       | 96       |
| 47) Bromodichloromethane    | 7.824     | 83    | 18650    | 3.351    | ug/l       | 96       |
| 60) Dibromochloromethane    | 9.525     | 129   | 5182     | 1.241    | ug/l       | 95       |
| -----                       |           |       |          |          |            |          |

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

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Sample : 02034-03  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-CB05-30-35-032123

Quant Time: Mar 23 07:55:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
Response via : Initial Calibration

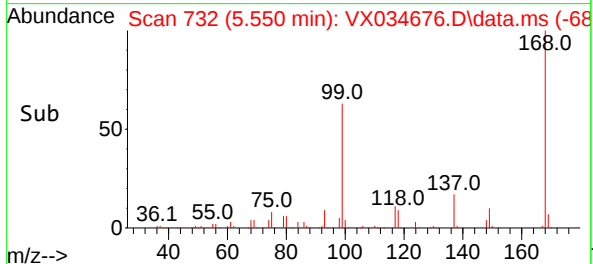
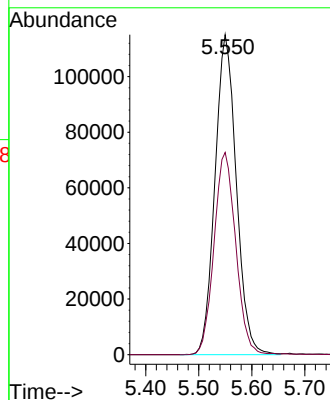
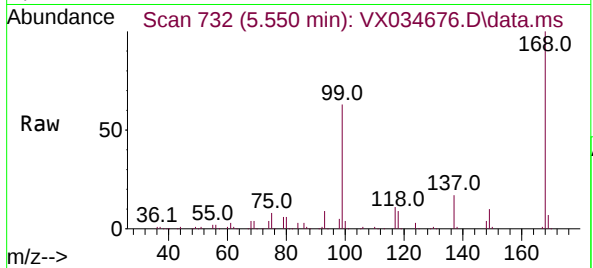




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

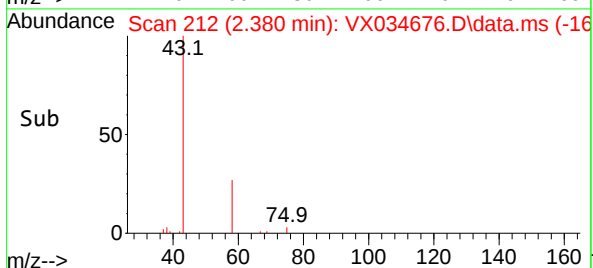
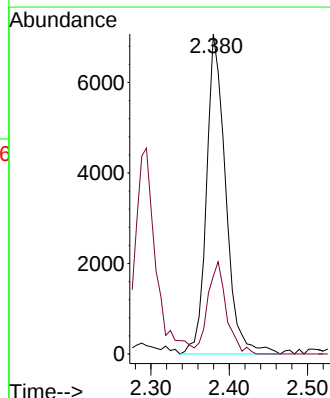
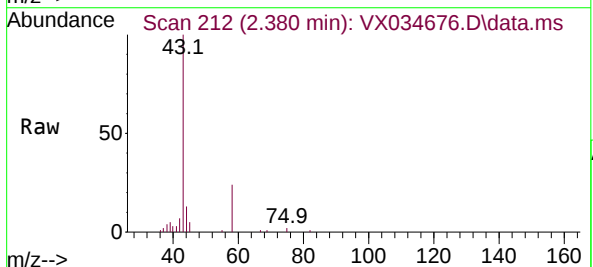
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-CB05-30-35-032123

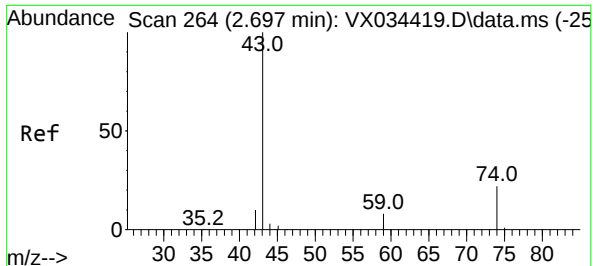
Tgt Ion:168 Resp: 321534  
Ion Ratio Lower Upper  
168 100  
99 63.2 45.7 68.5



#16  
Acetone  
Concen: 5.453 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Tgt Ion: 43 Resp: 12016  
Ion Ratio Lower Upper  
43 100  
58 24.3 24.7 37.1#

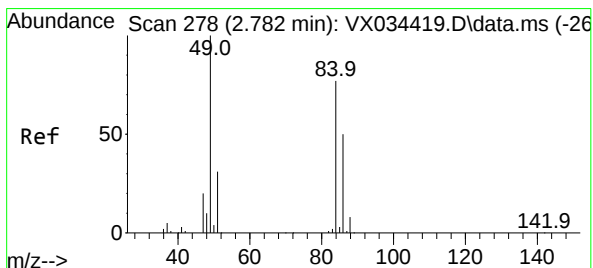
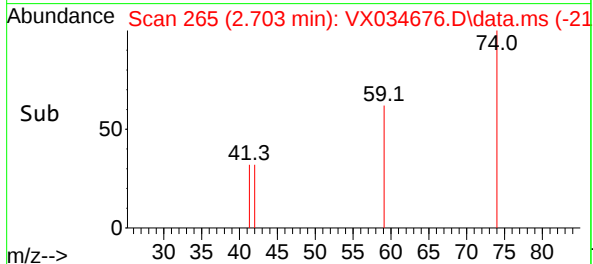
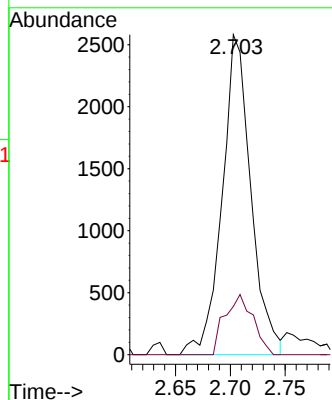
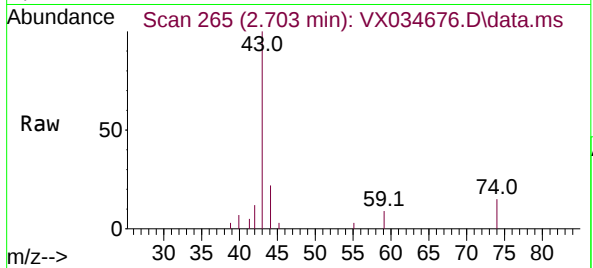




#18  
Methyl Acetate  
Concen: 0.653 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

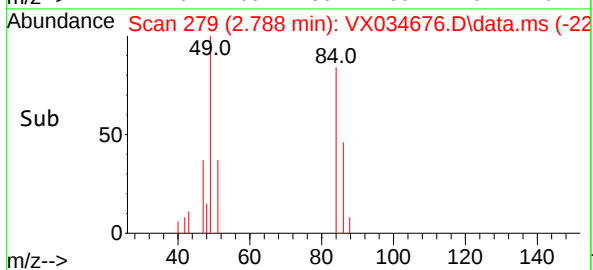
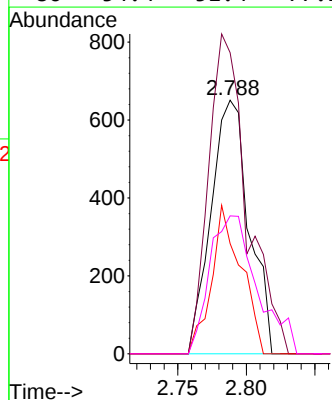
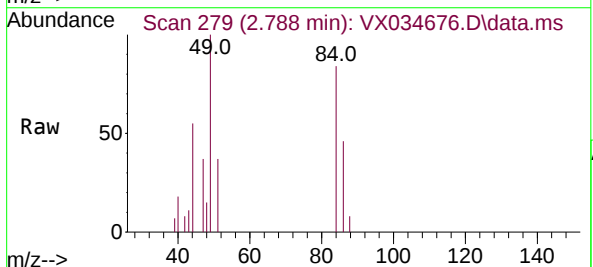
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-CB05-30-35-032123

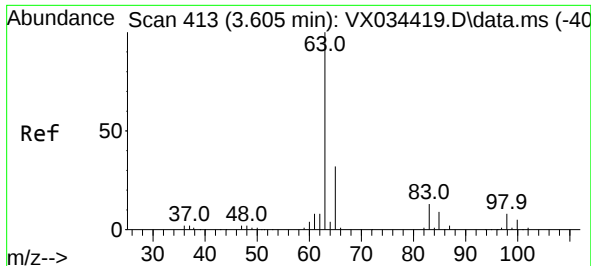
Tgt Ion: 43 Resp: 4704  
Ion Ratio Lower Upper  
43 100  
74 18.5 18.3 27.5



#20  
Methylene Chloride  
Concen: 0.295 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Tgt Ion: 84 Resp: 1262  
Ion Ratio Lower Upper  
84 100  
49 118.7 103.8 155.8  
51 43.5 31.8 47.8  
86 54.4 51.4 77.2

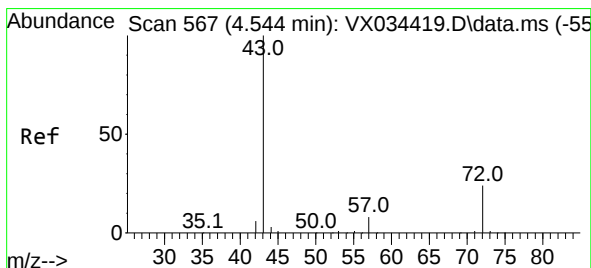
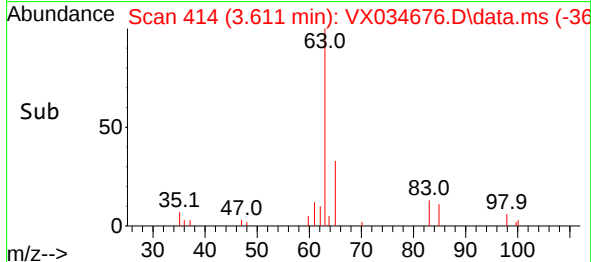
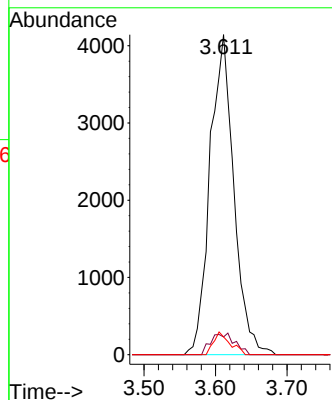
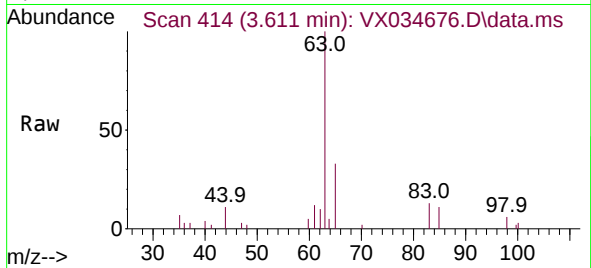




#24  
1,1-Dichloroethane  
Concen: 1.315 ug/l  
RT: 3.611 min Scan# 413  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

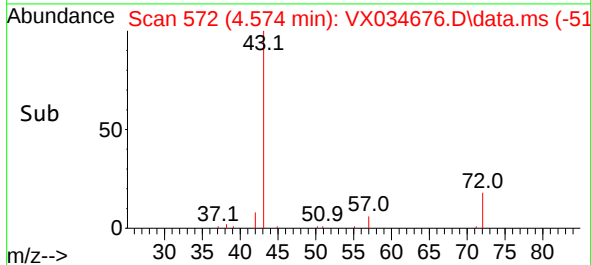
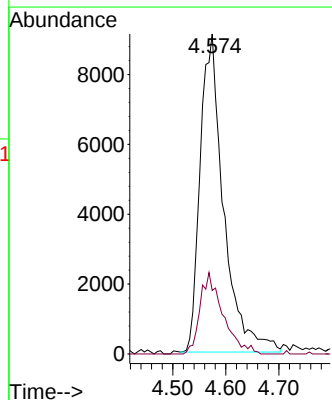
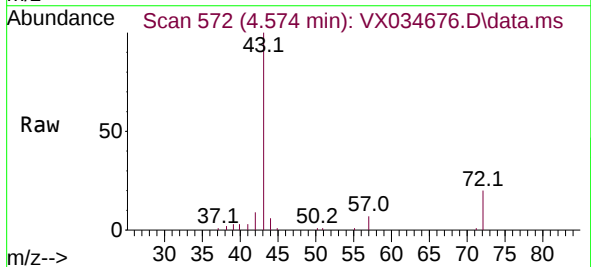
Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-CB05-30-35-032123

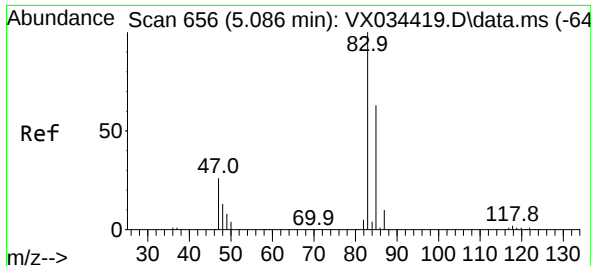
Tgt Ion: 63 Resp: 9619  
Ion Ratio Lower Upper  
63 100  
98 5.6 3.8 11.2  
100 5.6 2.4 7.1



#25  
2-Butanone  
Concen: 8.872 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.031 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Tgt Ion: 43 Resp: 27971  
Ion Ratio Lower Upper  
43 100  
72 20.0 19.3 28.9





#30

Chloroform

Concen: 13.766 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX034676.D

Acq: 22 Mar 2023 16:46

Instrument :

MSVOA\_X

ClientSampleId :

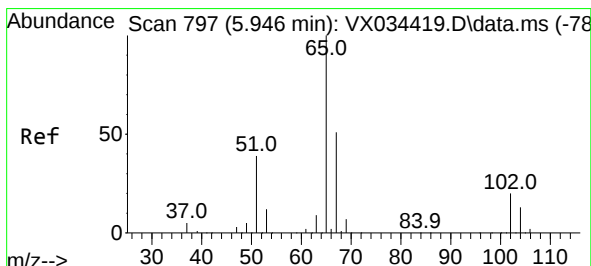
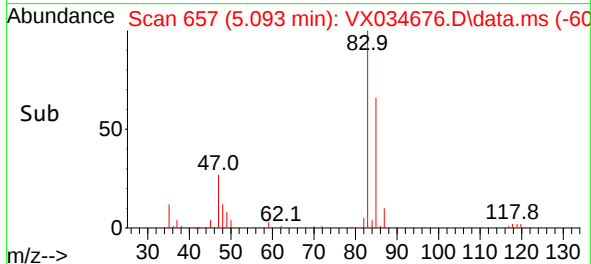
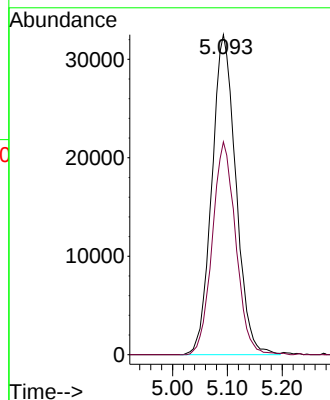
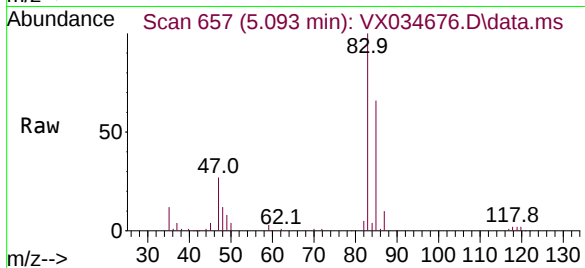
GW-CB05-30-35-032123

Tgt Ion: 83 Resp: 98695

Ion Ratio Lower Upper

83 100

85 66.5 50.6 76.0



#33

1,2-Dichloroethane-d4

Concen: 50.290 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034676.D

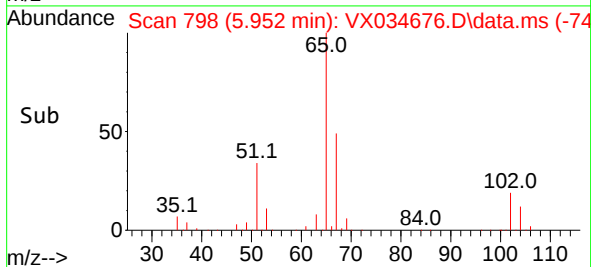
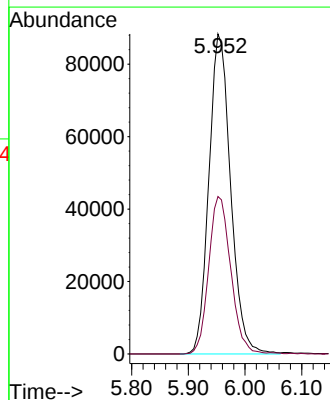
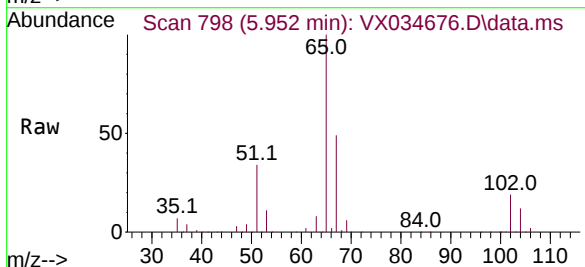
Acq: 22 Mar 2023 16:46

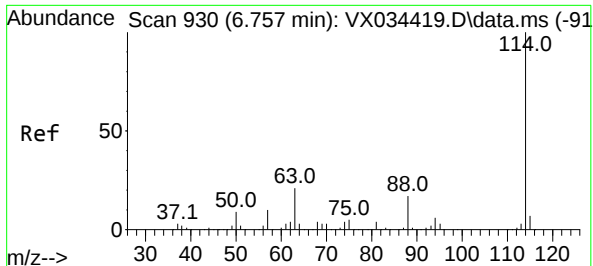
Tgt Ion: 65 Resp: 235240

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.0

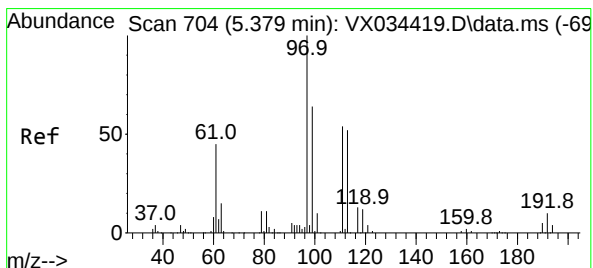
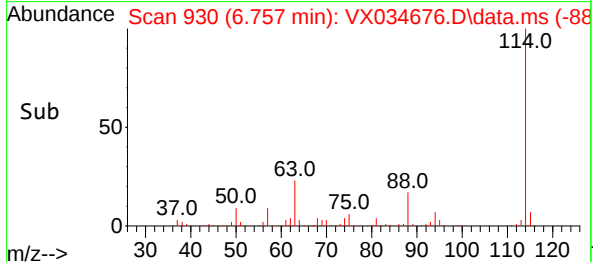
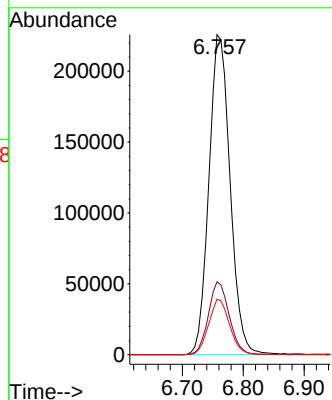
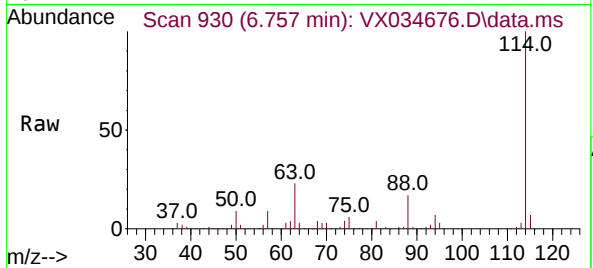




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

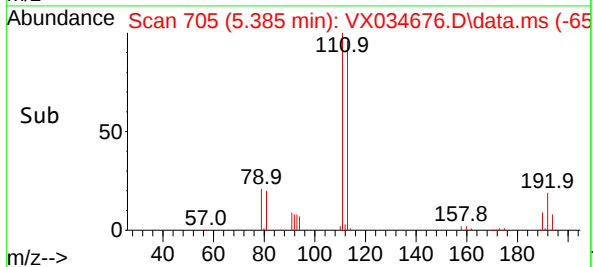
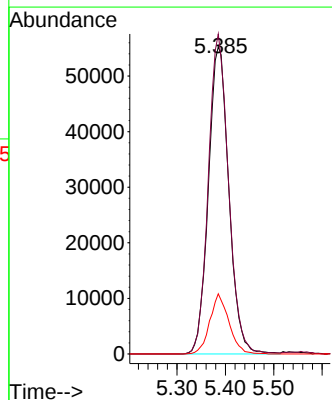
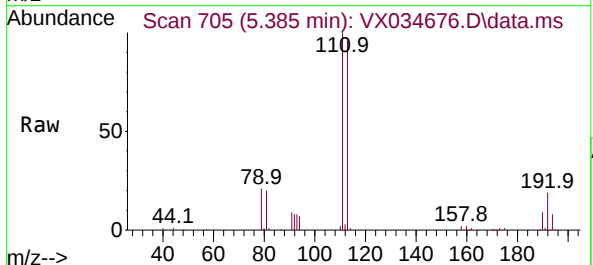
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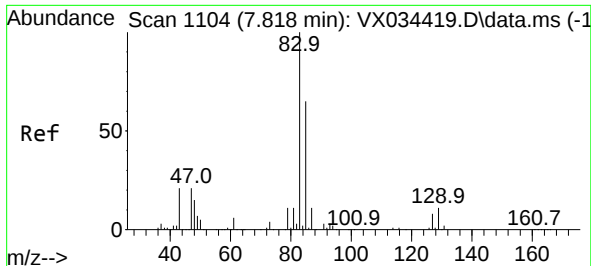
Tgt Ion:114 Resp: 546077  
Ion Ratio Lower Upper  
114 100  
63 22.7 0.0 42.2  
88 17.3 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 45.077 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Tgt Ion:113 Resp: 162522  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.7 125.5  
192 18.3 15.4 23.2

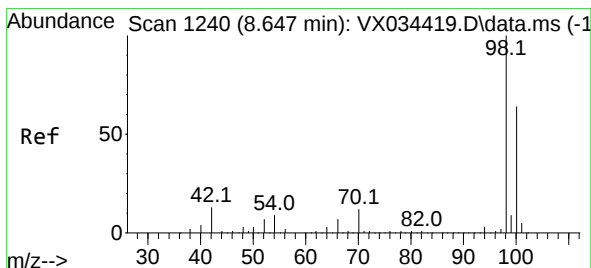
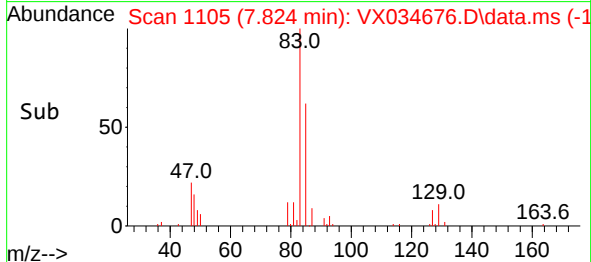
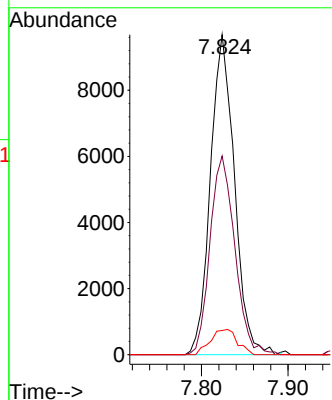
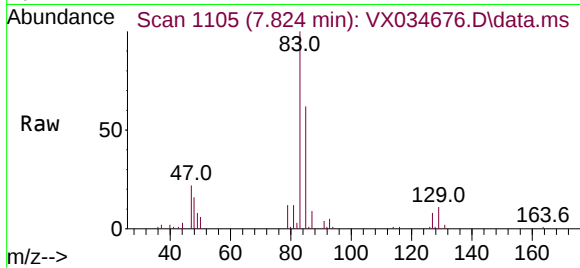




#47  
Bromodichloromethane  
Concen: 3.351 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

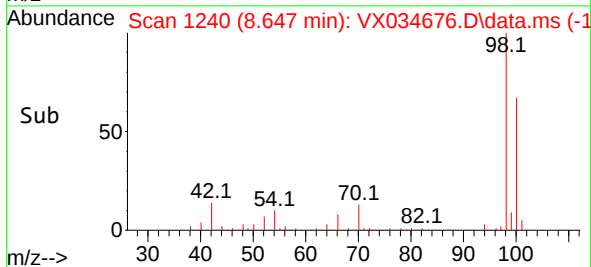
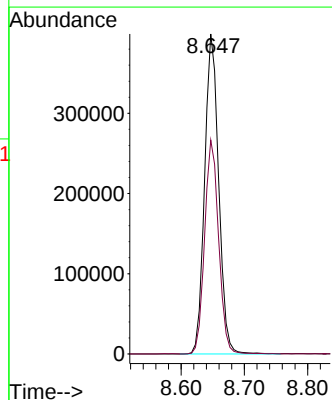
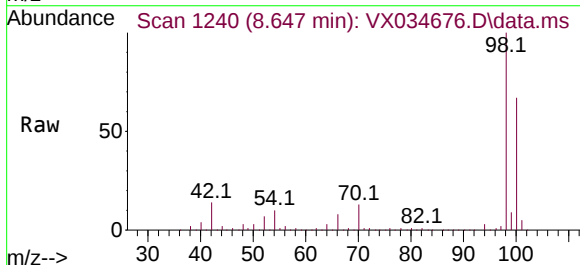
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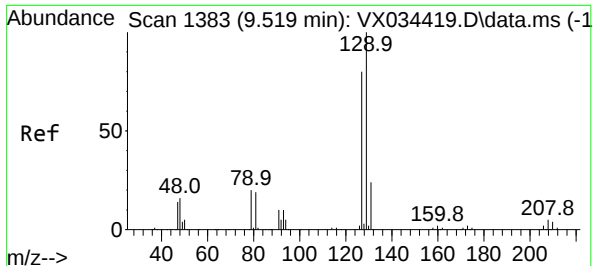
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 18650     |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 62.1  | 52.2 78.4 |
| 127         | 7.5   | 6.6 9.8   |



#50  
Toluene-d8  
Concen: 45.856 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 98 | Resp: | 617195    |
| Ion Ratio   | Lower | Upper     |
| 98          | 100   |           |
| 100         | 66.7  | 52.5 78.7 |





#60

Dibromochloromethane

Concen: 1.241 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX034676.D

Acq: 22 Mar 2023 16:46

Instrument :

MSVOA\_X

ClientSampleId :

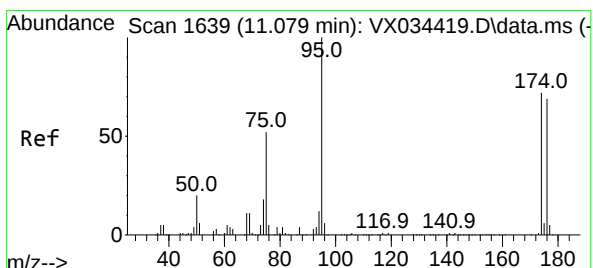
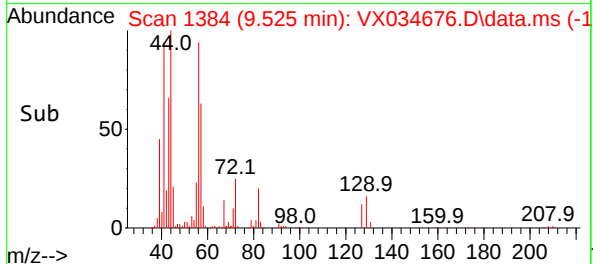
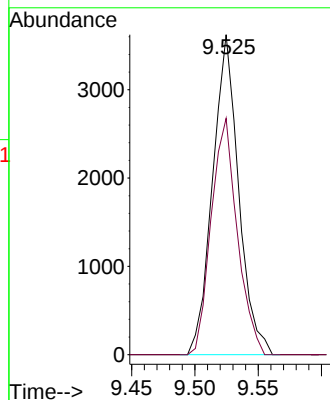
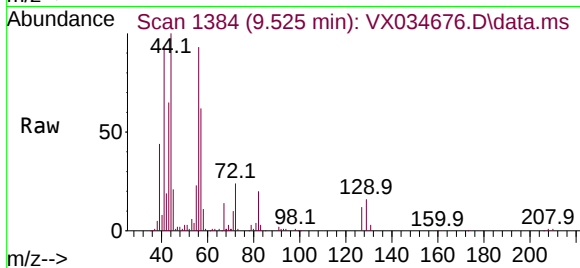
GW-CB05-30-35-032123

Tgt Ion:129 Resp: 5182

Ion Ratio Lower Upper

129 100

127 74.0 39.0 117.0



#62

4-Bromofluorobenzene

Concen: 44.751 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX034676.D

Acq: 22 Mar 2023 16:46

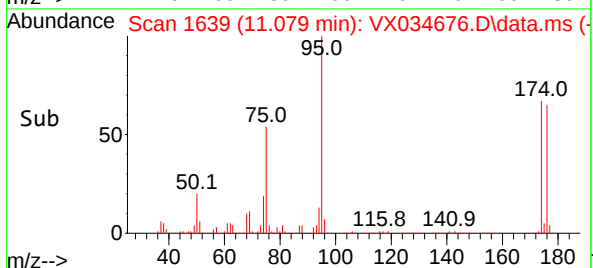
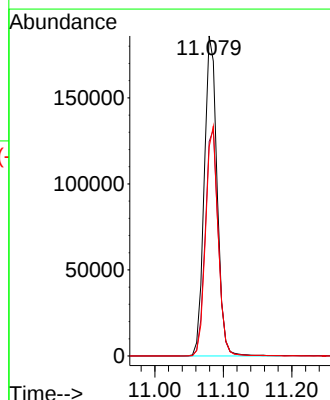
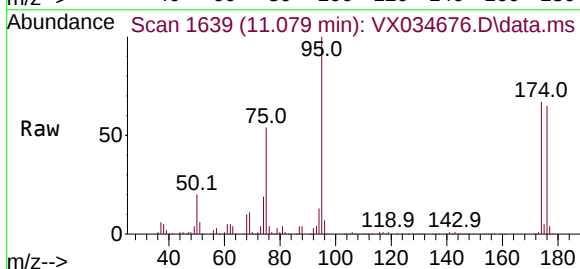
Tgt Ion: 95 Resp: 243290

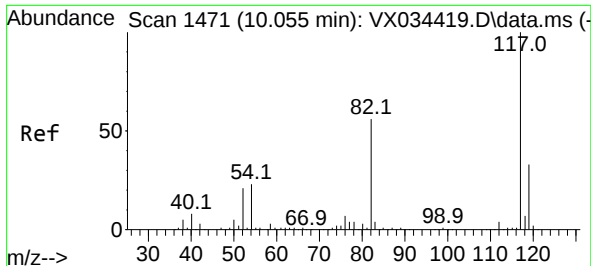
Ion Ratio Lower Upper

95 100

174 71.6 0.0 147.4

176 70.0 0.0 140.6

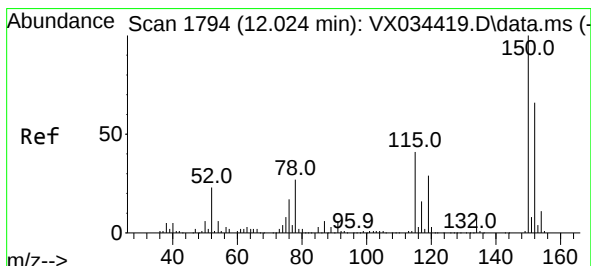
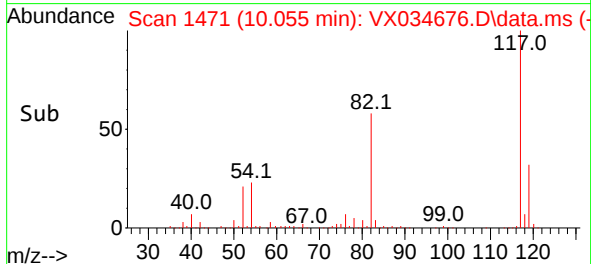
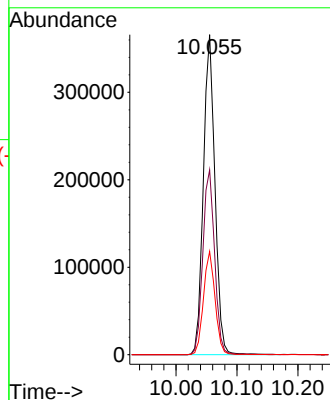
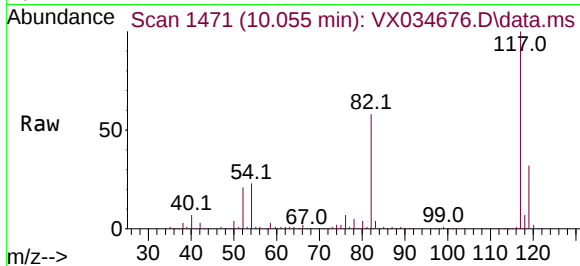




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
GW-CB05-30-35-032123

Tgt Ion:117 Resp: 483575  
Ion Ratio Lower Upper  
117 100  
82 57.7 45.0 67.4  
119 32.3 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX034676.D  
Acq: 22 Mar 2023 16:46

Tgt Ion:152 Resp: 236650  
Ion Ratio Lower Upper  
152 100  
115 62.7 45.0 135.0  
150 156.8 0.0 352.4

