

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041222\  
 Data File : VX028056.D  
 Acq On : 12 Apr 2022 15:05  
 Operator : JC/MD  
 Sample : VX0412WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0412WBL01

Quant Time: Apr 13 01:11:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

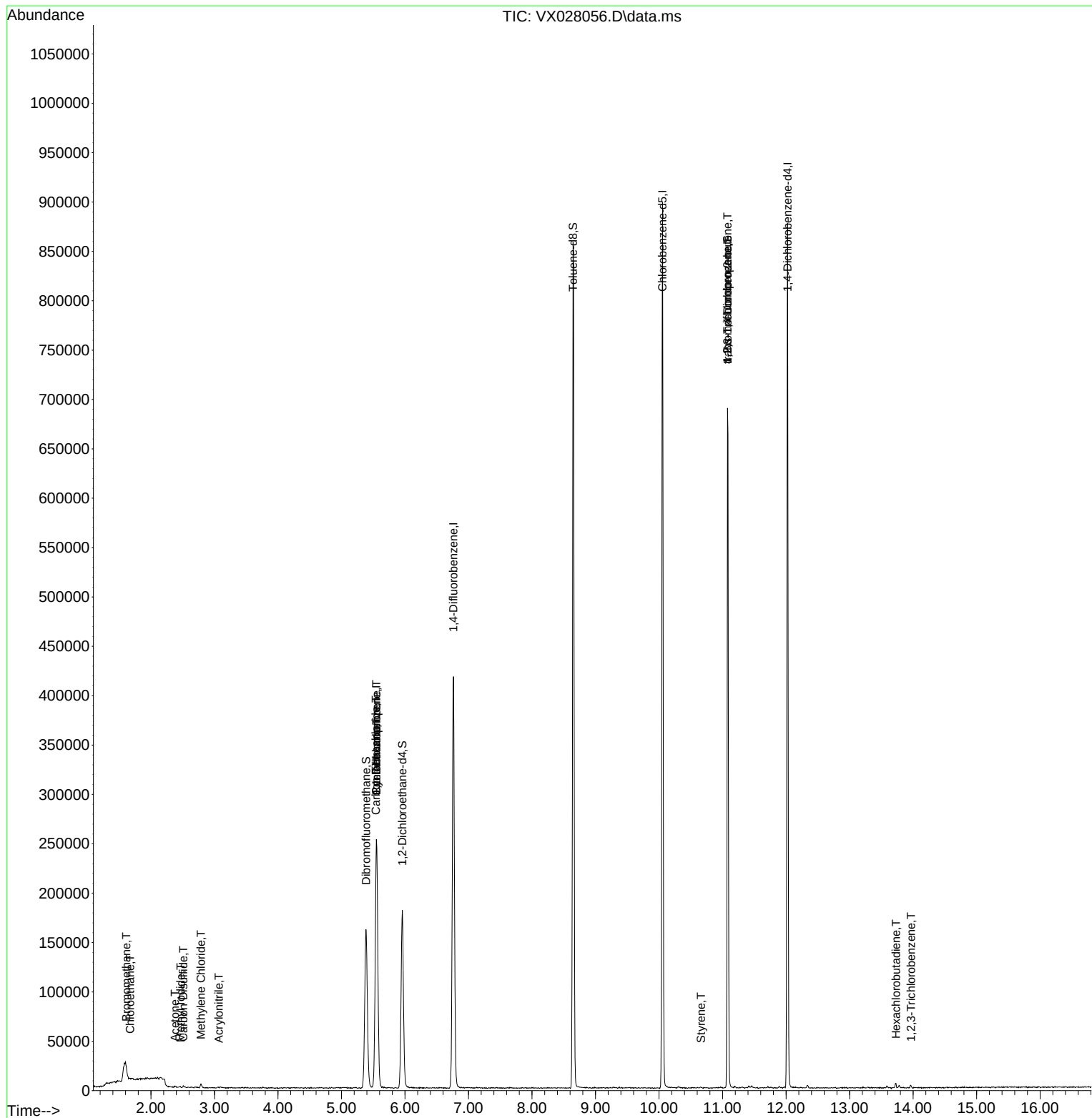
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 243089   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 413296   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 385606   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 172707   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 158124   | 47.946    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 95.900%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 134240   | 49.568    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 99.140%  |
| 50) Toluene-d8                | 8.646  | 98    | 501776   | 49.679    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 99.360%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 165330   | 43.839    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 87.680%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.611  | 94    | 2110     | 0.217     | ug/l   | 84       |
| 6) Chloroethane               | 1.672  | 64    | 187      | 2.671     | ug/l # | 1        |
| 10) Methyl Iodide             | 2.465  | 142   | 800      | 0.280     | ug/l # | 84       |
| 13) Acrolein                  | 2.221  | 56    | 545      | Below Cal | #      | 51       |
| 15) Acrylonitrile             | 3.068  | 53    | 448      | 0.282     | ug/l # | 65       |
| 16) Acetone                   | 2.379  | 43    | 1140     | 0.830     | ug/l # | 74       |
| 17) Carbon Disulfide          | 2.507  | 76    | 1786     | 0.283     | ug/l # | 93       |
| 20) Methylene Chloride        | 2.788  | 84    | 1529     | 0.559     | ug/l # | 91       |
| 31) Cyclohexane               | 5.549  | 56    | 5901     | 1.301     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 19473    | 4.711     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.543  | 117   | 24851    | 5.632     | ug/l # | 15       |
| 70) Styrene                   | 10.658 | 104   | 276      | 4.725     | ug/l # | 61       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 94807    | 24.658    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 94807    | 69.449    | ug/l # | 15       |
| 94) Hexachlorobutadiene       | 13.731 | 225   | 660      | 0.501     | ug/l   | 93       |
| 96) 1,2,3-Trichlorobenzene    | 13.969 | 180   | 711      | 0.220     | ug/l   | 94       |
| -----                         |        |       |          |           |        |          |

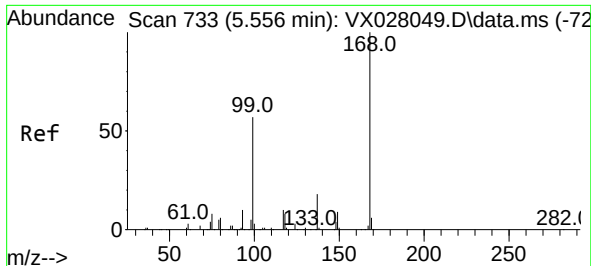
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041222\  
Data File : VX028056.D  
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Sample : VX0412WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

Quant Time: Apr 13 01:11:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 12 22:07:23 2022  
Response via : Initial Calibration

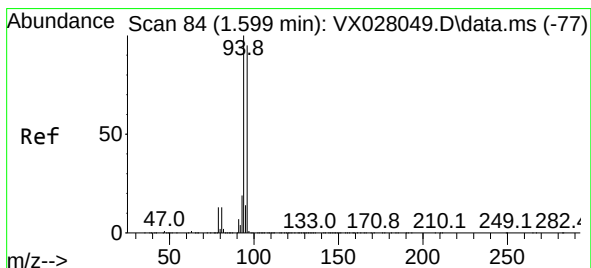
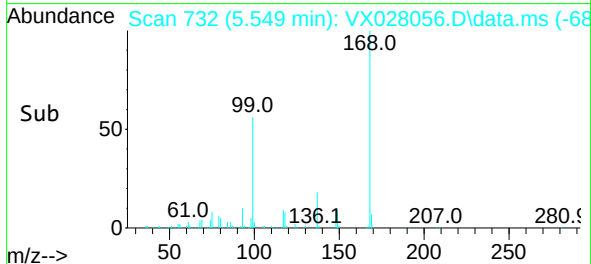
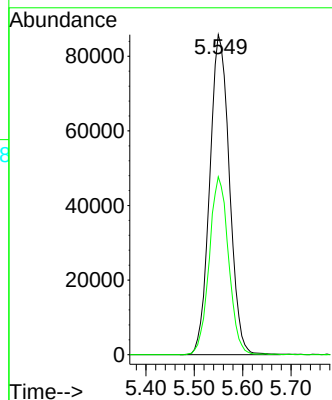
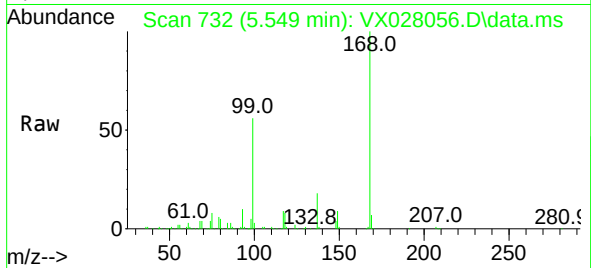




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

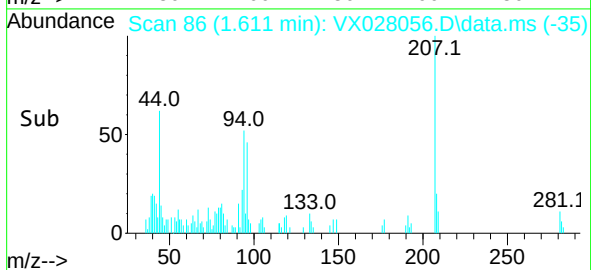
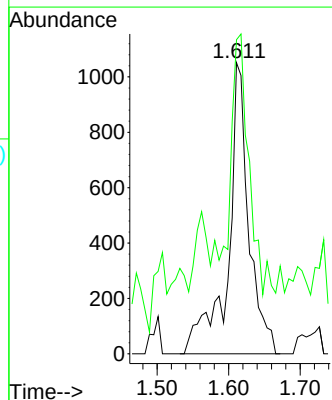
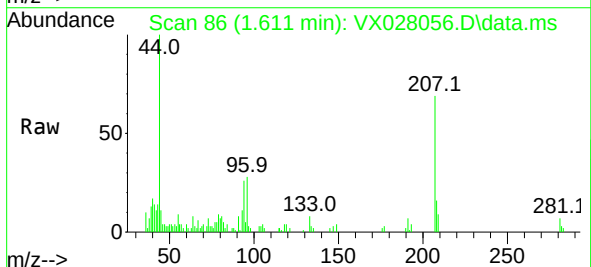
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

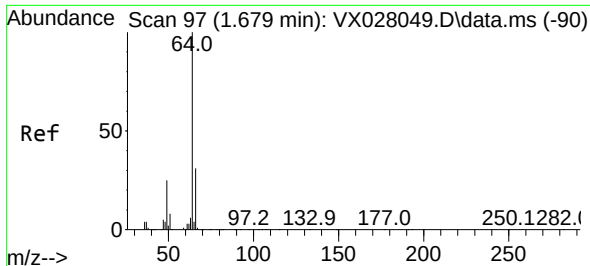
Tgt Ion:168 Resp: 243089  
Ion Ratio Lower Upper  
168 100  
99 55.6 41.7 62.5



#5  
Bromomethane  
Concen: 0.217 ug/l  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 94 Resp: 2110  
Ion Ratio Lower Upper  
94 100  
96 78.5 75.3 112.9

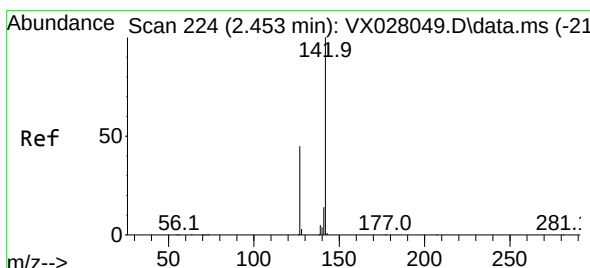
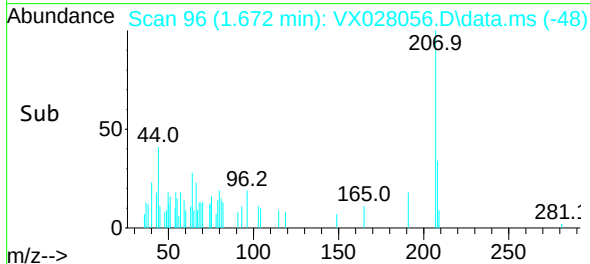
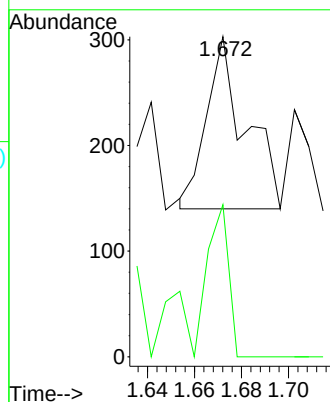
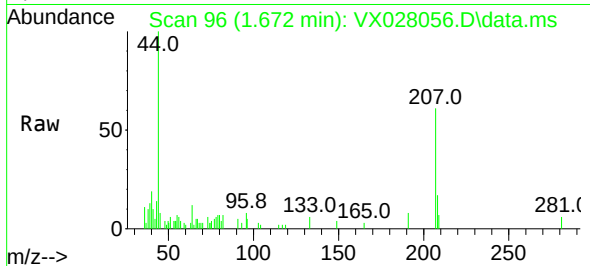




#6  
Chloroethane  
Concen: 2.671 ug/l  
RT: 1.672 min Scan# 90  
Delta R.T. -0.007 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

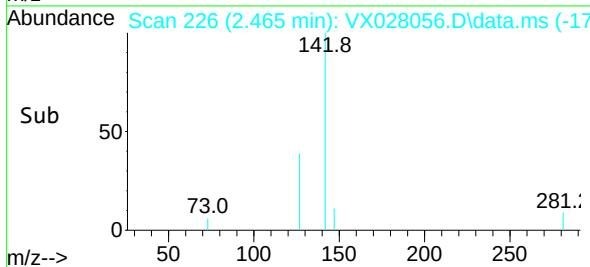
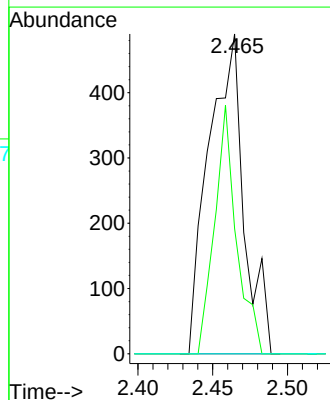
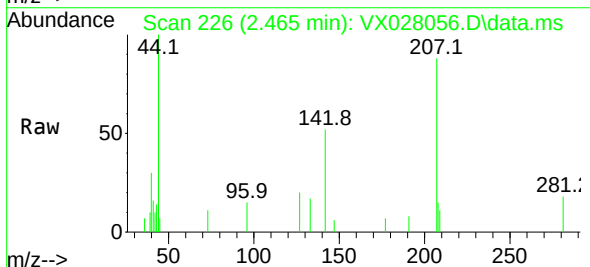
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

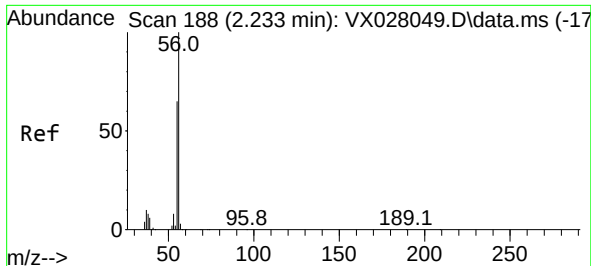
Tgt Ion: 64 Resp: 187  
Ion Ratio Lower Upper  
64 100  
66 88.3 25.3 37.9#



#10  
Methyl Iodide  
Concen: 0.280 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 142 Resp: 800  
Ion Ratio Lower Upper  
142 100  
127 48.4 33.9 50.9  
141 0.0 11.4 17.2#

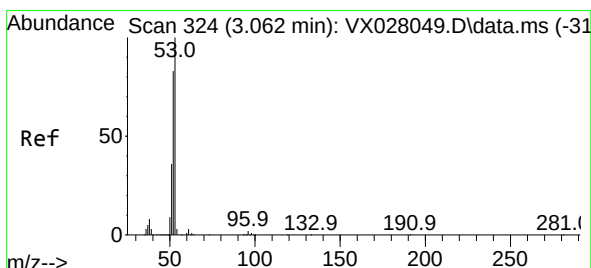
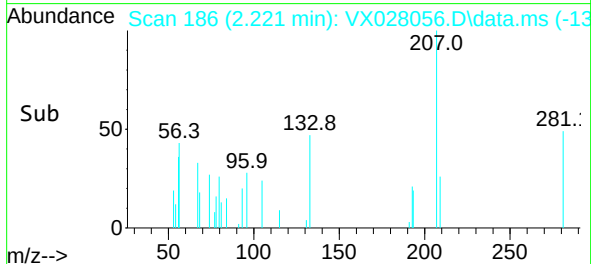
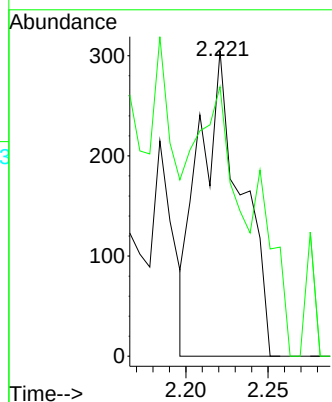
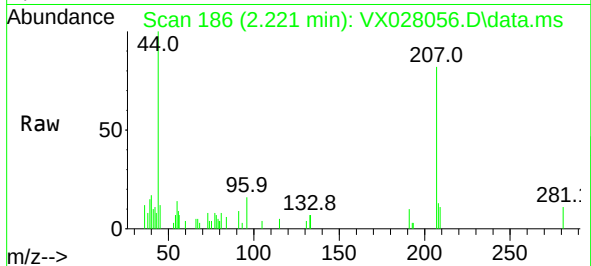




#13  
Acrolein  
Concen: Below Cal  
RT: 2.221 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

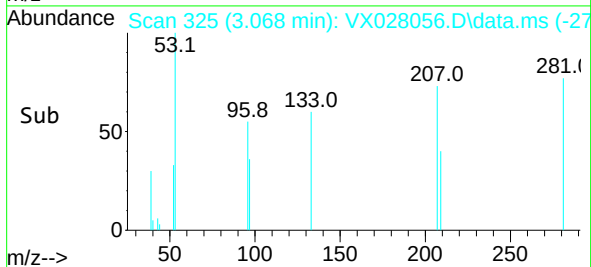
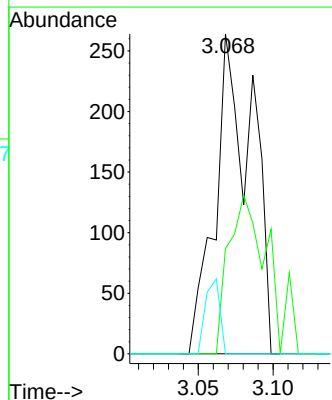
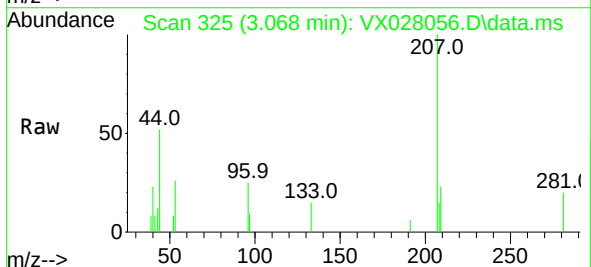
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

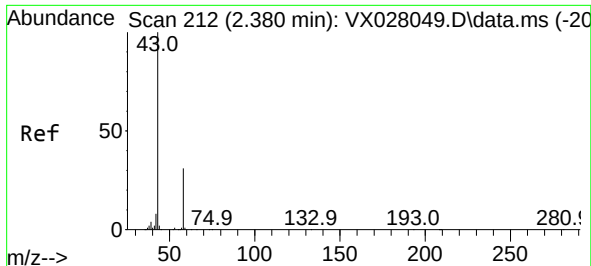
Tgt Ion: 56 Resp: 545  
Ion Ratio Lower Upper  
56 100  
55 28.8 55.0 82.6#



#15  
Acrylonitrile  
Concen: 0.282 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. 0.006 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 53 Resp: 448  
Ion Ratio Lower Upper  
53 100  
52 54.2 65.7 98.5#  
51 9.2 28.4 42.6#

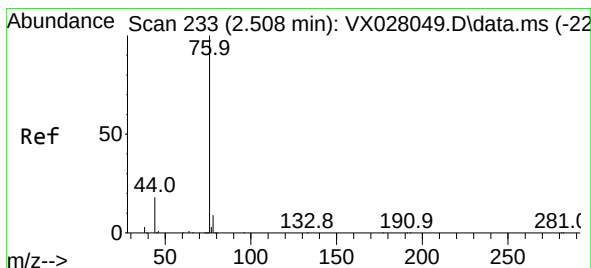
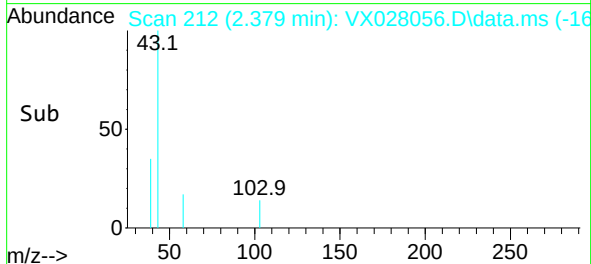
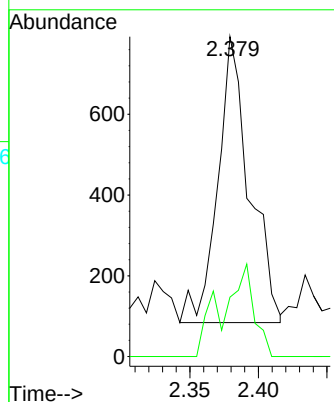
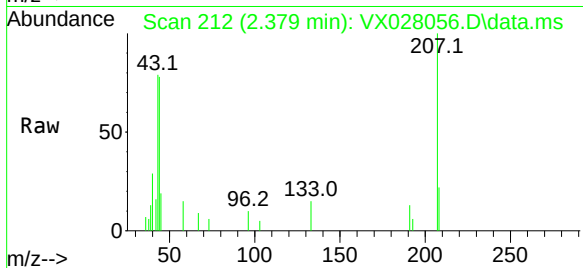




#16  
Acetone  
Concen: 0.830 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.001 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

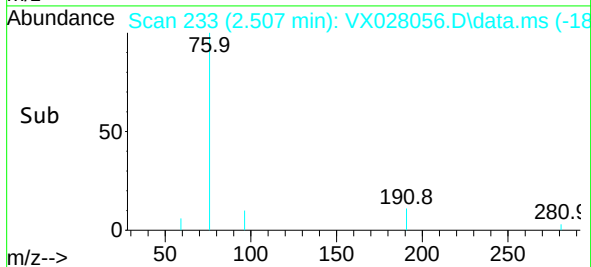
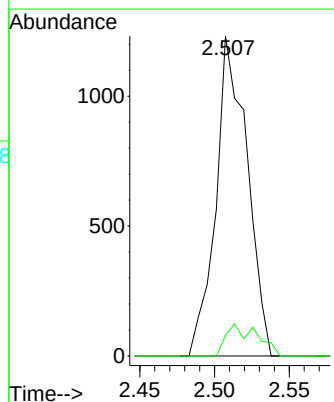
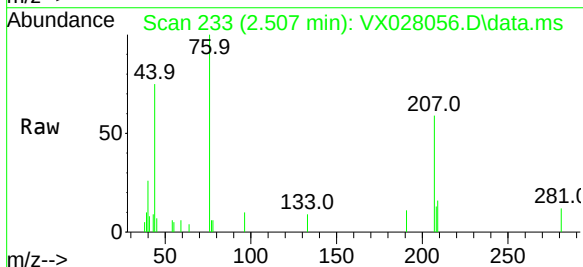
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

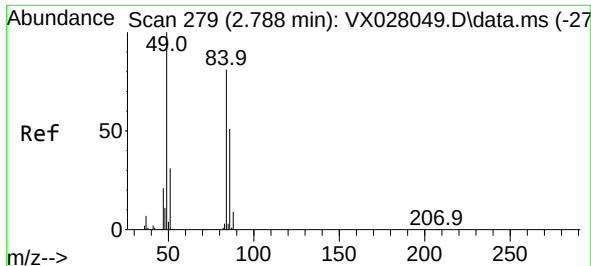
Tgt Ion: 43 Resp: 1140  
Ion Ratio Lower Upper  
43 100  
58 20.8 28.8 43.2#



#17  
Carbon Disulfide  
Concen: 0.283 ug/l  
RT: 2.507 min Scan# 233  
Delta R.T. -0.001 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 76 Resp: 1786  
Ion Ratio Lower Upper  
76 100  
78 6.3 7.2 10.8#

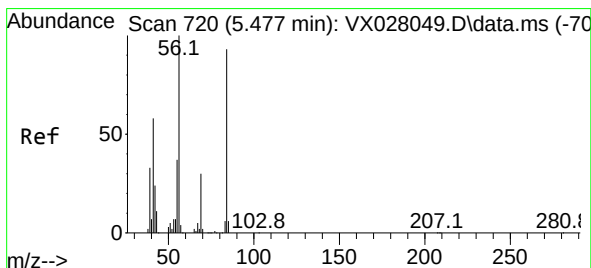
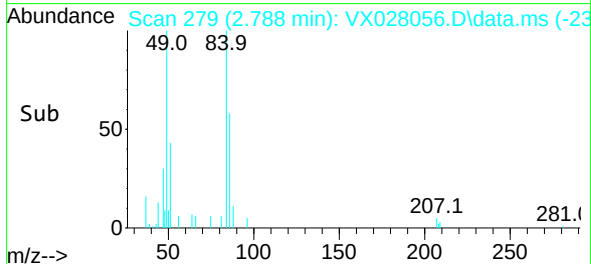
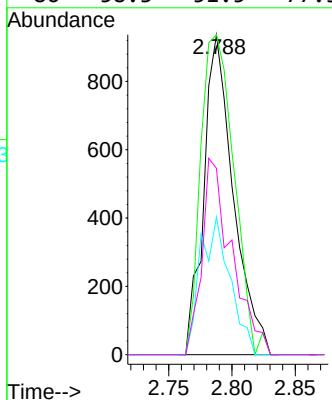
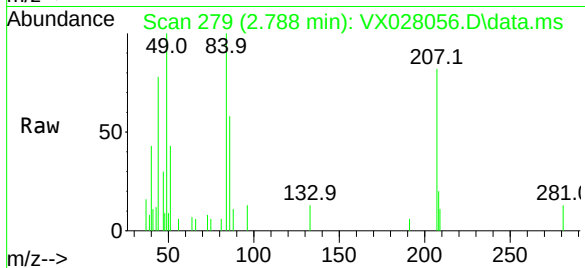




#20  
Methylene Chloride  
Concen: 0.559 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

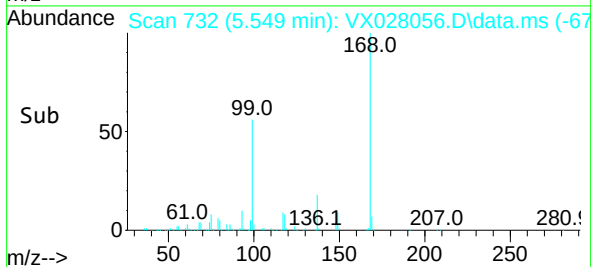
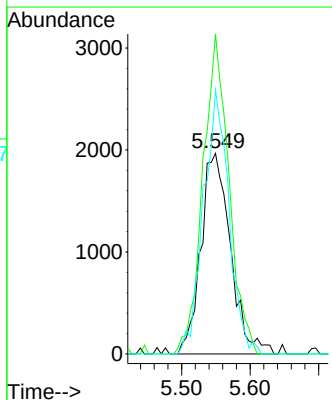
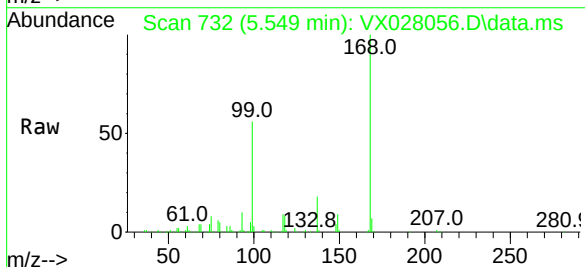
Instrument :  
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VX0412WBL01

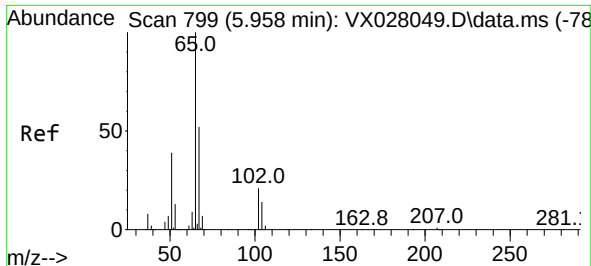
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1529  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 100.1 | 85.5  | 128.3 |
| 51       | 43.1  | 26.6  | 39.8# |
| 86       | 58.3  | 51.5  | 77.3  |



#31  
Cyclohexane  
Concen: 1.301 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. 0.072 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 5901   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 159.5 | 26.7  | 40.1#  |
| 84       | 137.0 | 77.2  | 115.8# |





#33

1,2-Dichloroethane-d4

Concen: 47.946 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX028056.D

Acq: 12 Apr 2022 15:05

Instrument :

MSVOA\_X

ClientSampleId :

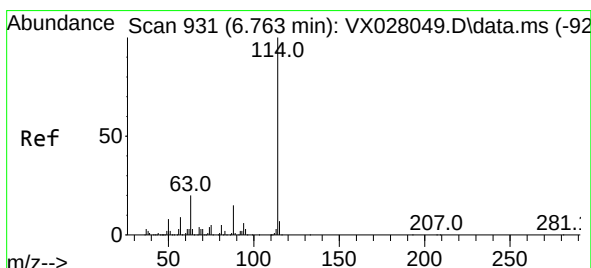
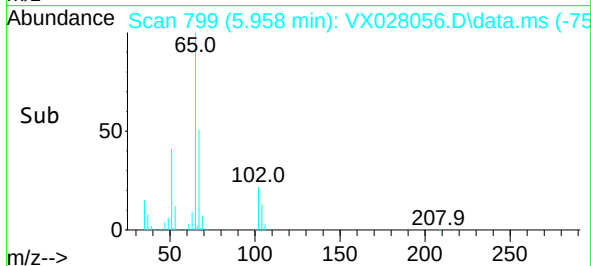
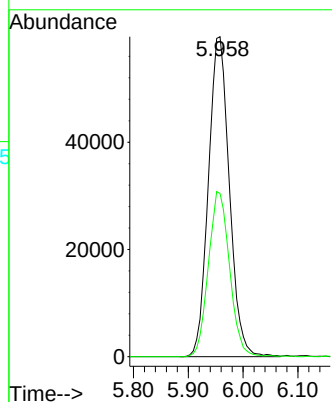
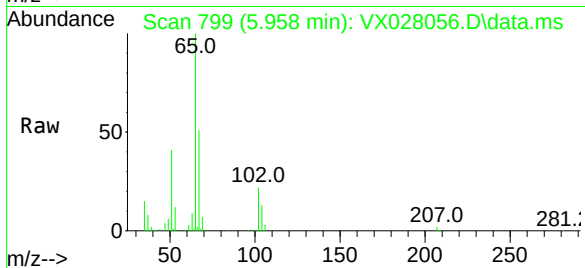
VX0412WBL01

Tgt Ion: 65 Resp: 158124

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028056.D

Acq: 12 Apr 2022 15:05

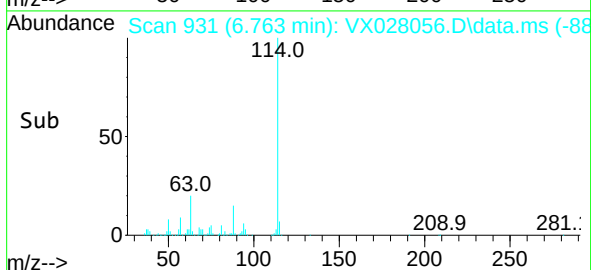
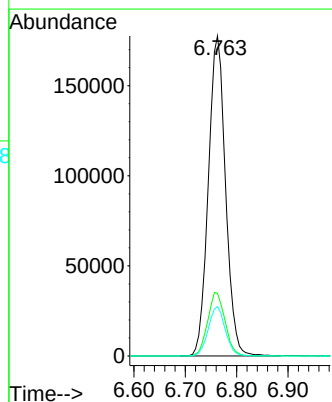
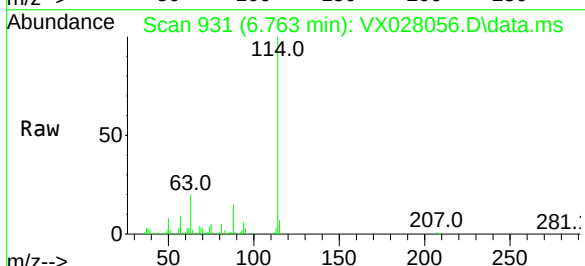
Tgt Ion: 114 Resp: 413296

Ion Ratio Lower Upper

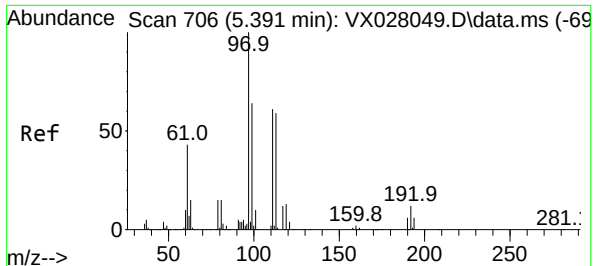
114 100

63 19.6 0.0 36.8

88 15.4 0.0 32.4







#35

Dibromofluoromethane

Concen: 49.568 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX028056.D

Acq: 12 Apr 2022 15:05

Instrument :

MSVOA\_X

ClientSampleId :

VX0412WBL01

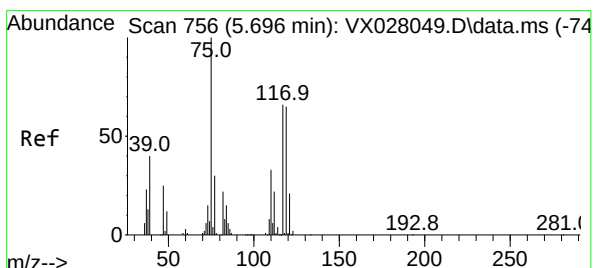
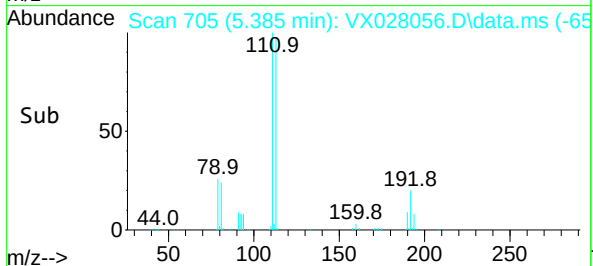
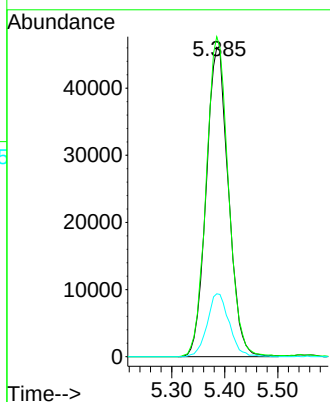
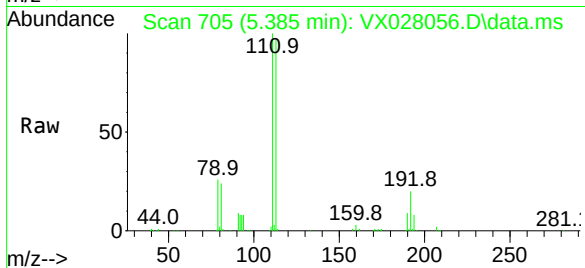
Tgt Ion:113 Resp: 134240

Ion Ratio Lower Upper

113 100

111 103.4 82.8 124.2

192 20.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.711 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX028056.D

Acq: 12 Apr 2022 15:05

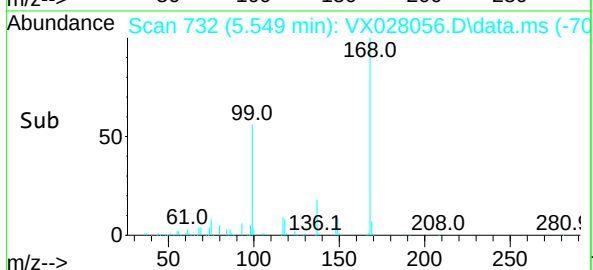
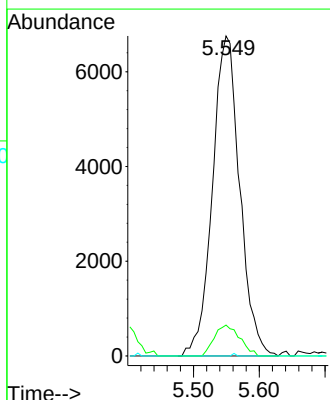
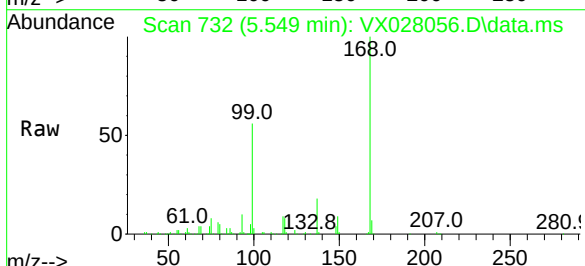
Tgt Ion: 75 Resp: 19473

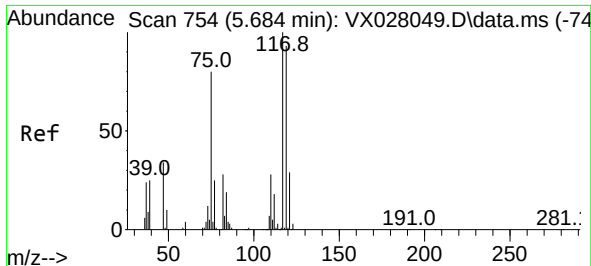
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.1 24.8 37.2#

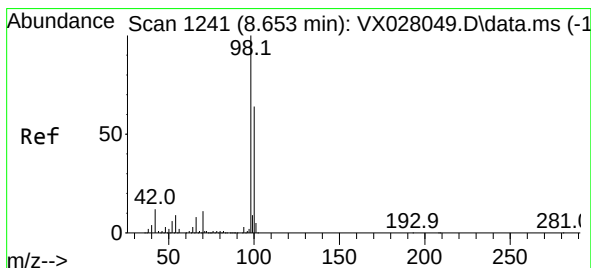
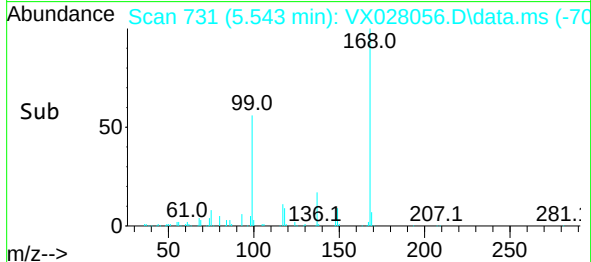
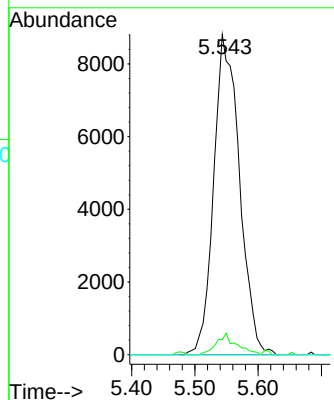
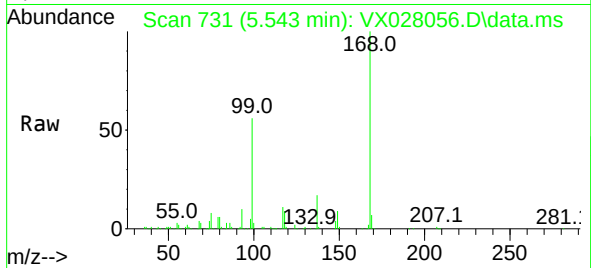




#38  
Carbon Tetrachloride  
Concen: 5.632 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. -0.141 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

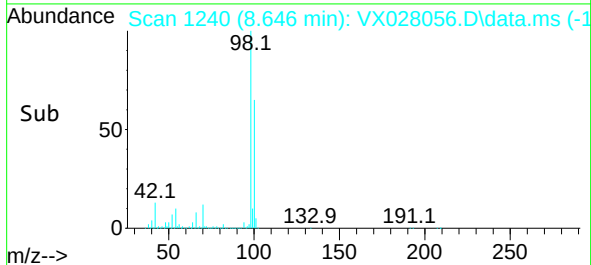
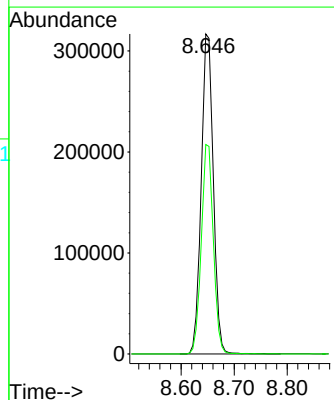
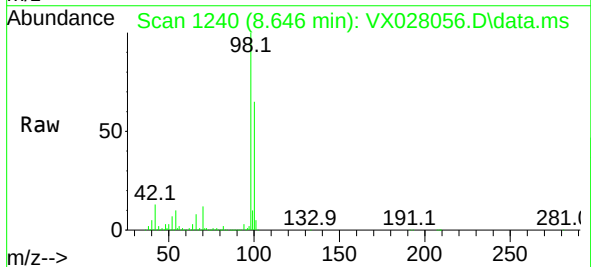
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

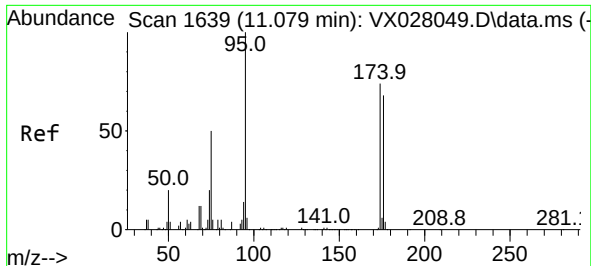
Tgt Ion:117 Resp: 24851  
Ion Ratio Lower Upper  
117 100  
119 4.7 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 49.679 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.007 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 98 Resp: 501776  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 78.8

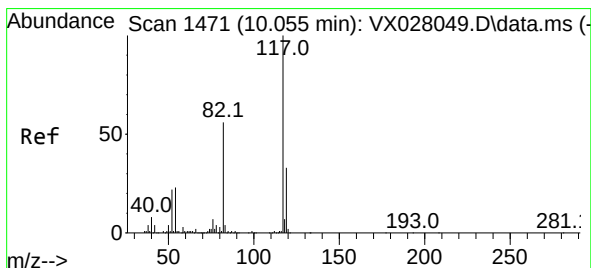
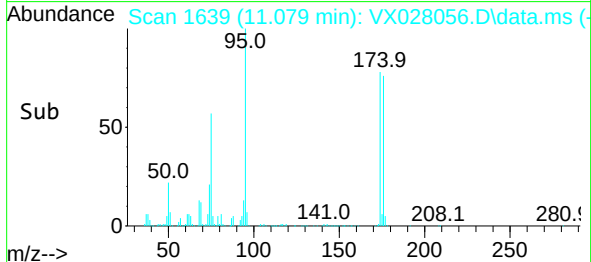
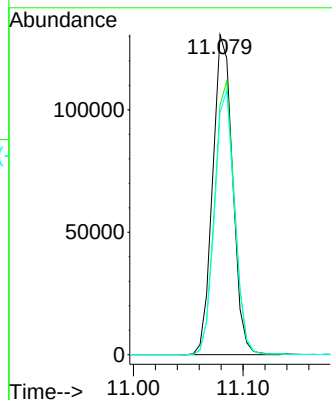
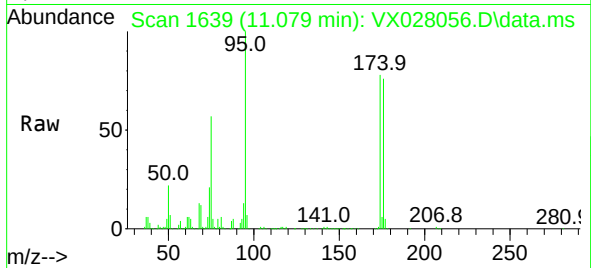




#62  
4-Bromofluorobenzene  
Concen: 43.839 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

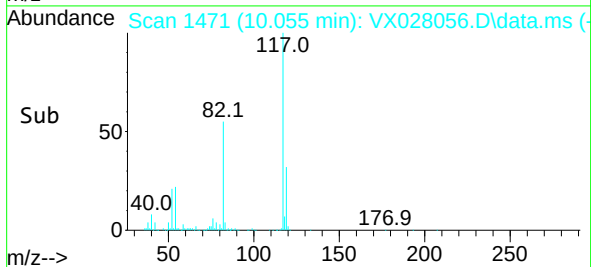
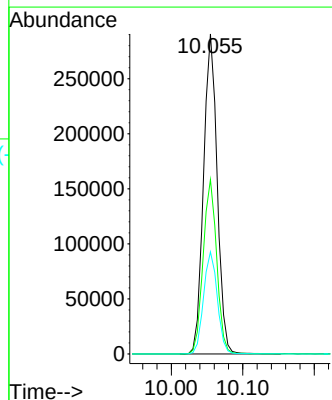
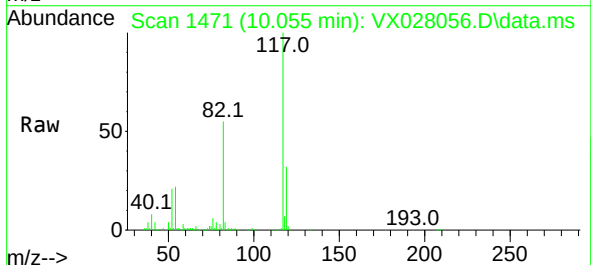
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

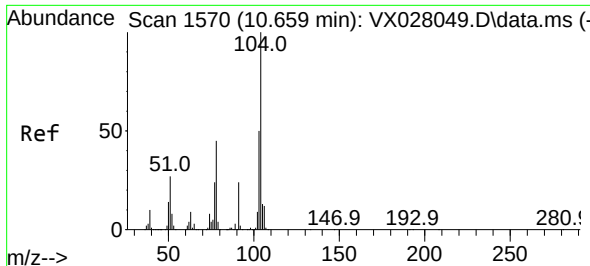
Tgt Ion: 95 Resp: 165330  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 163.0  
176 83.0 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion: 117 Resp: 385606  
Ion Ratio Lower Upper  
117 100  
82 54.5 41.8 62.8  
119 31.9 24.8 37.2

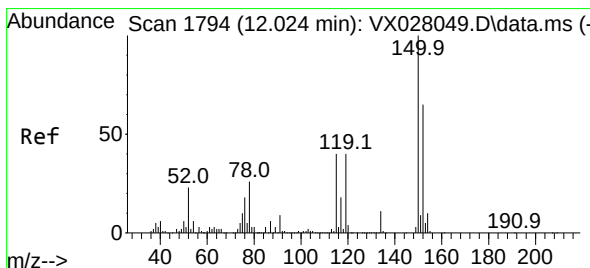
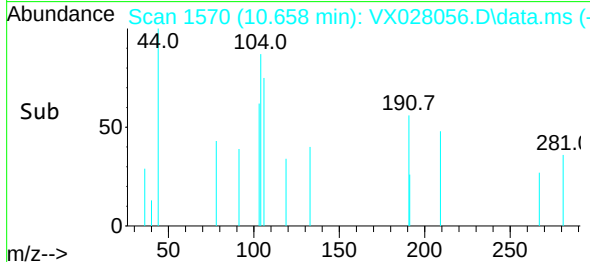
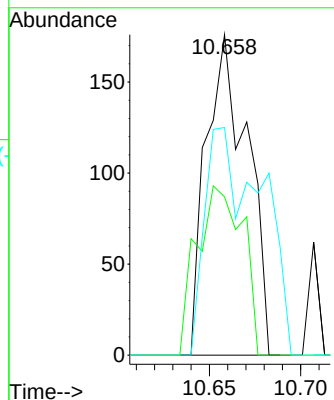
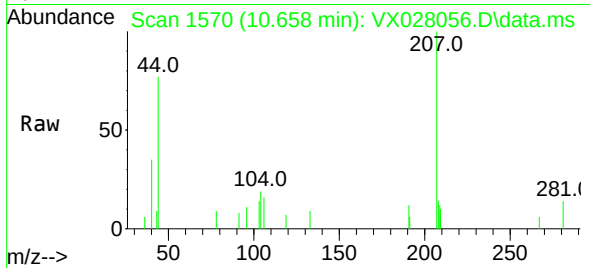




#70  
Styrene  
Concen: 4.725 ug/l  
RT: 10.658 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

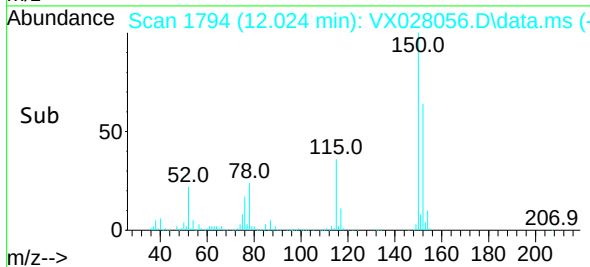
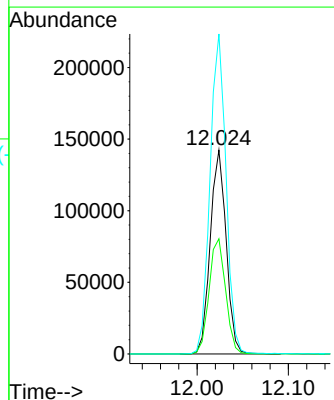
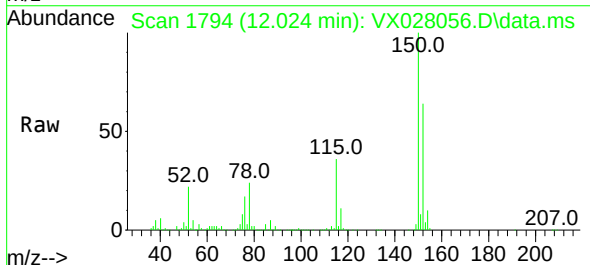
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

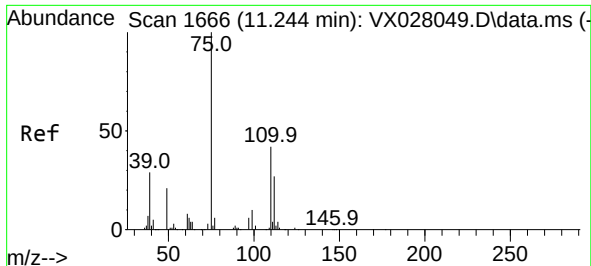
Tgt Ion:104 Resp: 276  
Ion Ratio Lower Upper  
104 100  
78 59.1 38.6 57.8#  
103 97.1 43.8 65.8#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

Tgt Ion:152 Resp: 172707  
Ion Ratio Lower Upper  
152 100  
115 58.5 37.5 112.7  
150 157.3 0.0 338.2

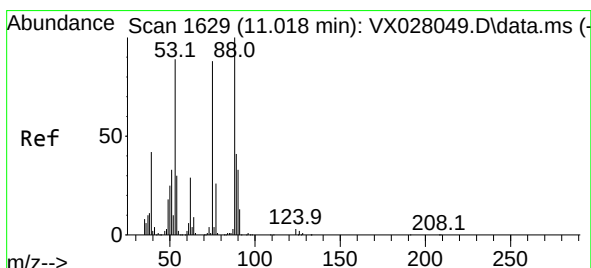
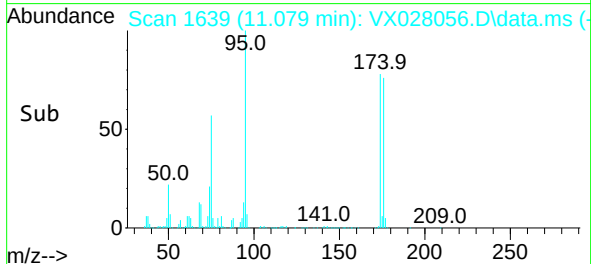
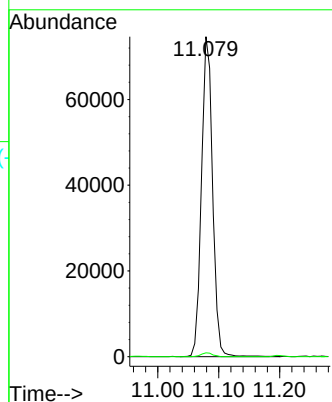
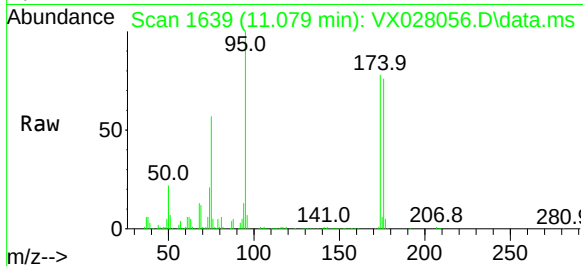




#76  
1,2,3-Trichloropropane  
Concen: 24.658 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

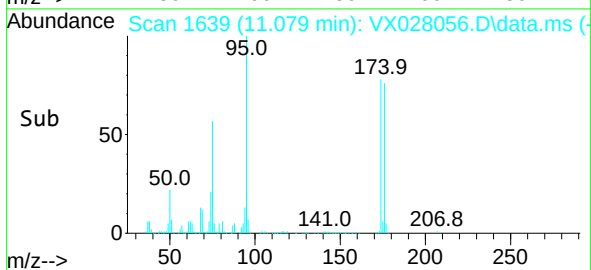
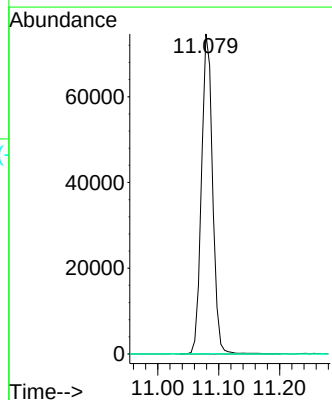
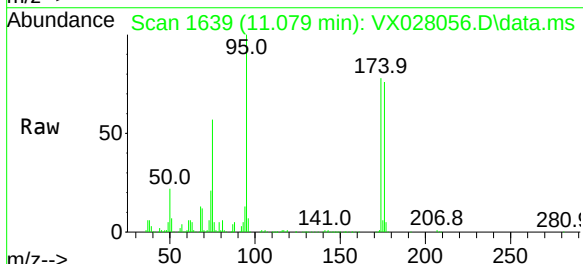
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01

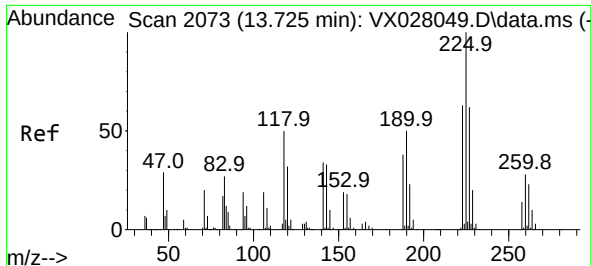
Tgt Ion: 75 Resp: 94807  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 69.449 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

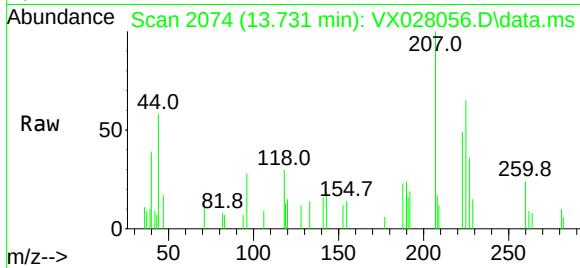
Tgt Ion: 75 Resp: 94807  
Ion Ratio Lower Upper  
75 100  
53 0.1 69.0 103.4#  
89 0.0 37.0 55.6#



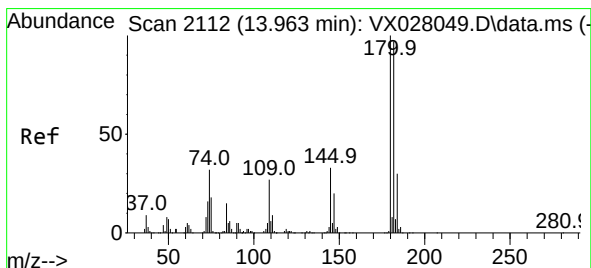
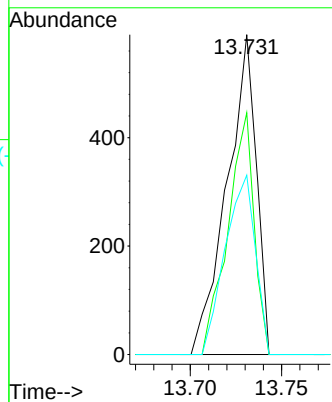
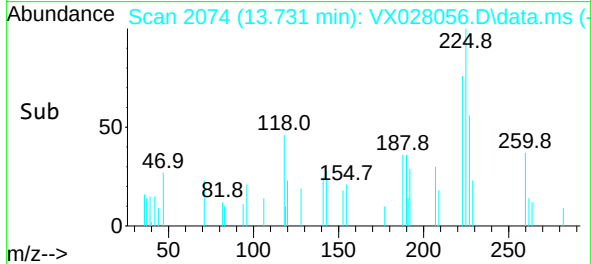


#94  
Hexachlorobutadiene  
Concen: 0.501 ug/l  
RT: 13.731 min Scan# 2073  
Delta R.T. 0.006 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05

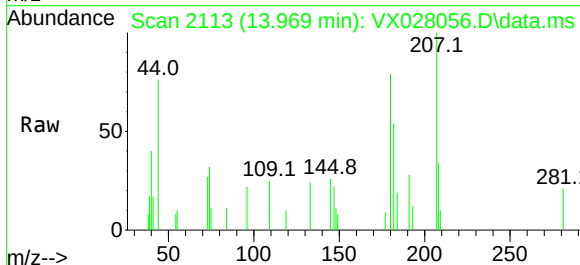
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0412WBL01



Tgt Ion:225 Resp: 660  
Ion Ratio Lower Upper  
225 100  
223 67.4 34.2 102.5  
227 57.6 33.9 101.7



#96  
1,2,3-Trichlorobenzene  
Concen: 0.220 ug/l  
RT: 13.969 min Scan# 2113  
Delta R.T. 0.006 min  
Lab File: VX028056.D  
Acq: 12 Apr 2022 15:05



Tgt Ion:180 Resp: 711  
Ion Ratio Lower Upper  
180 100  
182 92.4 50.0 149.8  
145 31.2 16.2 48.5

