

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011223\  
 Data File : VX033703.D  
 Acq On : 12 Jan 2023 11:10  
 Operator : JC/MD  
 Sample : VX0112WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBL02

Quant Time: Jan 12 23:59:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X010723W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jan 07 06:16:21 2023  
 Response via : Initial Calibration

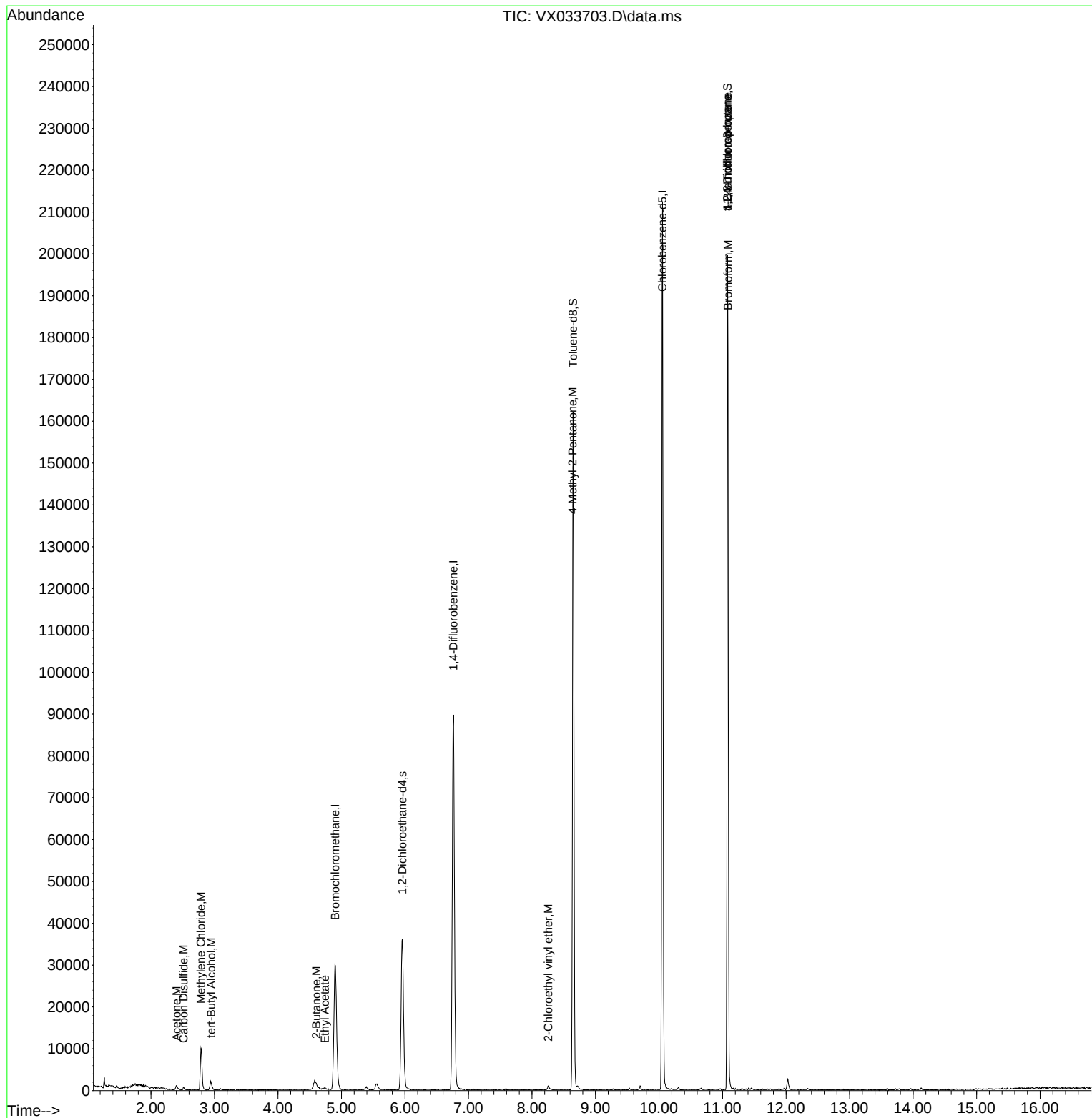
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 4.898  | 128   | 13373    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 6.763  | 114   | 95681    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 10.055 | 117   | 100763   | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 5.958  | 65    | 35528    | 32.811   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 109.367% |
| 60) 4-Bromofluorobenzene      | 11.079 | 95    | 51771    | 28.507   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 95.033%  |
| 63) Toluene-d8                | 8.647  | 98    | 97769    | 30.318   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 101.067% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 15) Acetone                   | 2.404  | 58    | 341      | 2.136    | ug/l # | 40       |
| 16) Carbon Disulfide          | 2.514  | 76    | 676      | 0.227    | ug/l # | 76       |
| 18) Methylene Chloride        | 2.788  | 84    | 4620     | 3.229    | ug/l # | 92       |
| 23) tert-Butyl Alcohol        | 2.947  | 59    | 1166     | 4.185    | ug/l # | 100      |
| 30) 2-Butanone                | 4.605  | 43    | 588      | 0.544    | ug/l # | 56       |
| 43) Ethyl Acetate             | 4.739  | 43    | 1348     | 0.609    | ug/l # | 66       |
| 55) 2-Chloroethyl vinyl ether | 8.257  | 63    | 502      | 0.445    | ug/l # | 51       |
| 56) Bromoform                 | 11.085 | 173   | 656      | 0.500    | ug/l # | 1        |
| 58) 4-Methyl-2-Pentanone      | 8.641  | 43    | 487      | 0.243    | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane    | 11.079 | 75    | 25664    | 13.239   | ug/l   | 40       |
| 77) t-1,4-Dichloro-2-butene   | 11.079 | 75    | 25664    | 44.253   | ug/l # | 3        |
| -----                         |        |       |          |          |        |          |

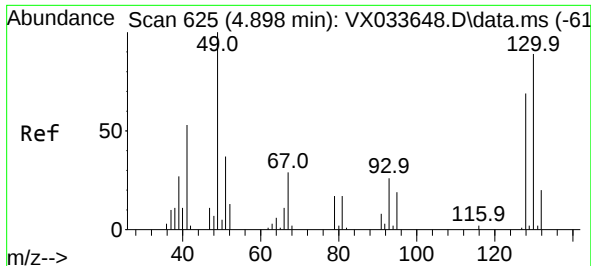
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011223\  
Data File : VX033703.D  
Acq On : 12 Jan 2023 11:10  
Operator : JC/MD  
Sample : VX0112WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02

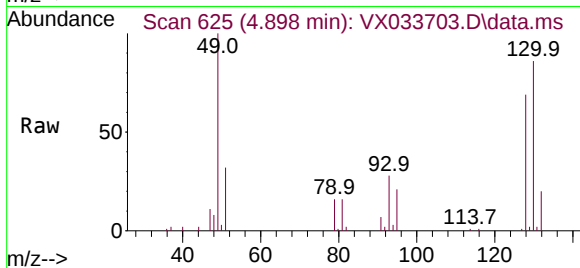
Quant Time: Jan 12 23:59:51 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X010723W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jan 07 06:16:21 2023  
Response via : Initial Calibration



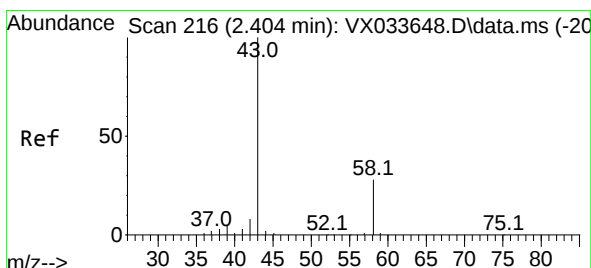
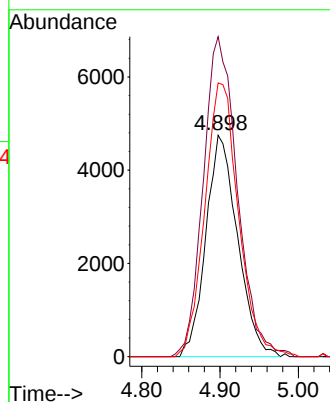
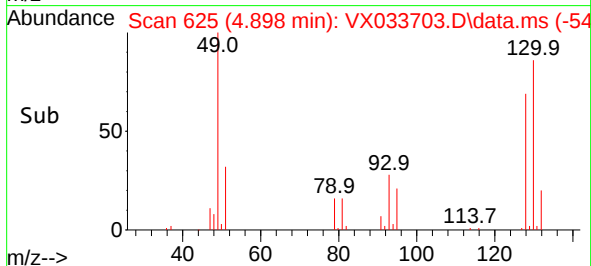


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.898 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

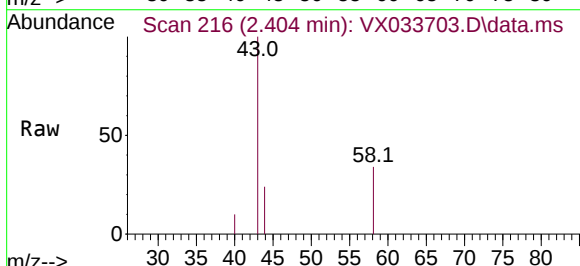
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02



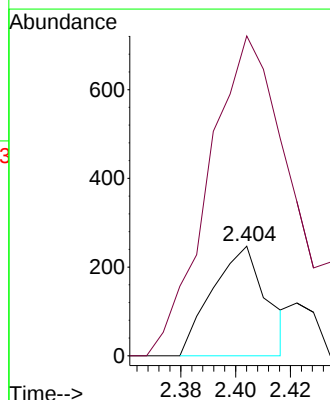
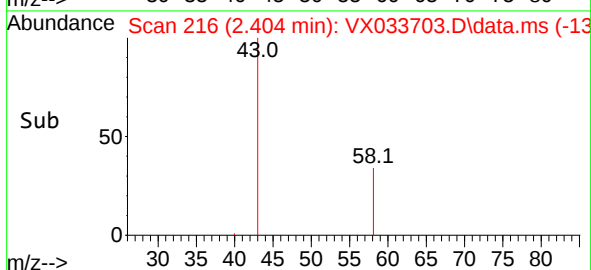
Tgt Ion:128 Resp: 13373  
Ion Ratio Lower Upper  
128 100  
49 154.2 0.0 398.5  
130 131.9 0.0 329.0

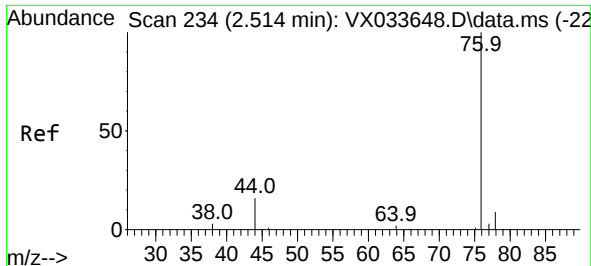


#15  
Acetone  
Concen: 2.136 ug/l  
RT: 2.404 min Scan# 216  
Delta R.T. 0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10



Tgt Ion: 58 Resp: 341  
Ion Ratio Lower Upper  
58 100  
43 228.3 288.3 432.5#

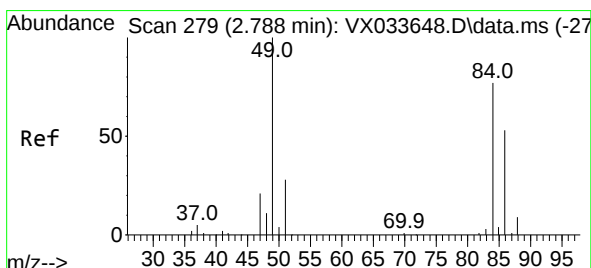
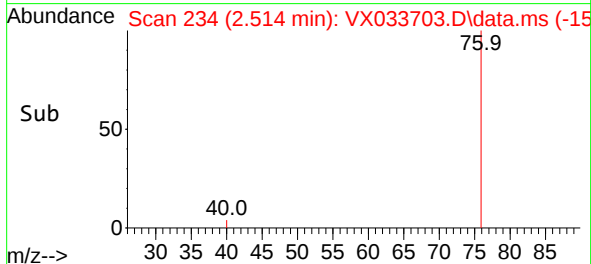
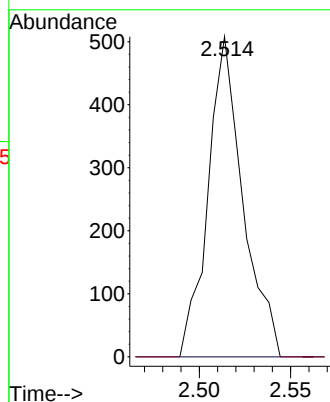
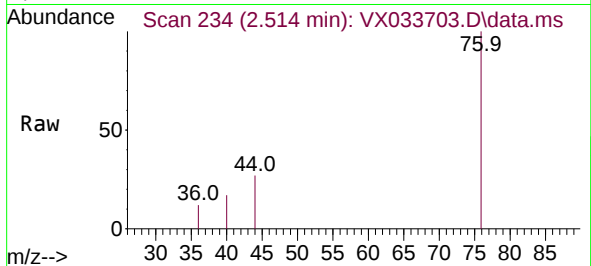




#16  
Carbon Disulfide  
Concen: 0.227 ug/l  
RT: 2.514 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

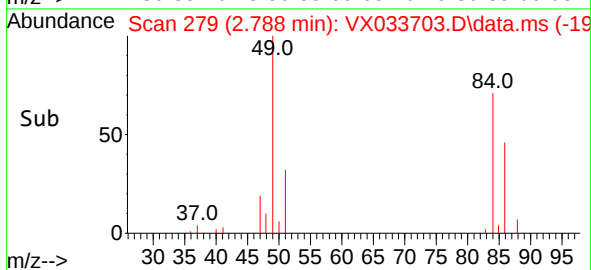
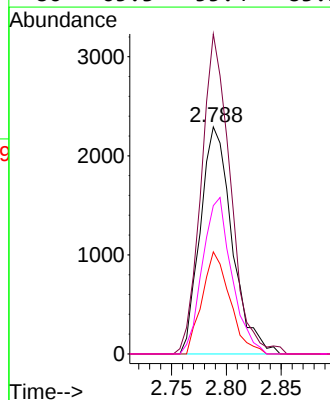
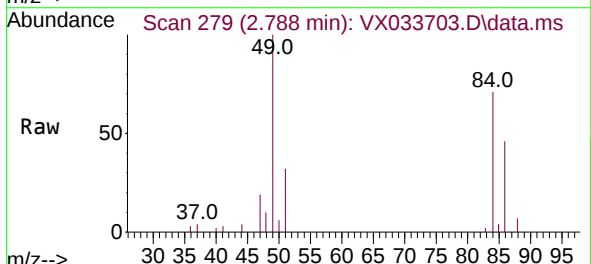
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02

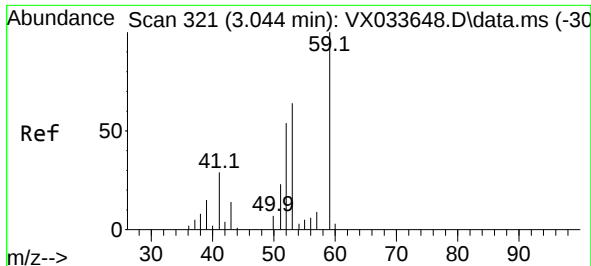
Tgt Ion: 76 Resp: 676  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.4#



#18  
Methylene Chloride  
Concen: 3.229 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

Tgt Ion: 84 Resp: 4620  
Ion Ratio Lower Upper  
84 100  
49 138.7 104.1 156.1  
51 45.0 29.2 43.8#  
86 65.3 55.4 83.2

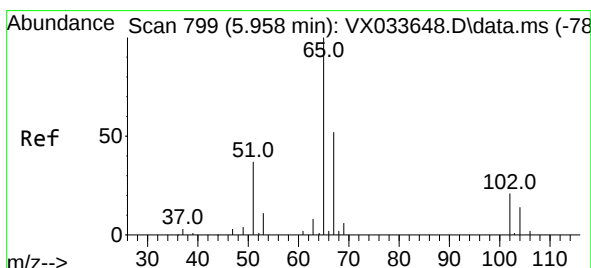
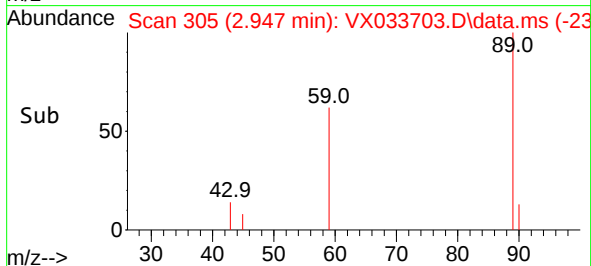
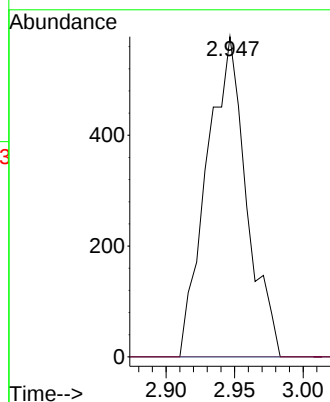
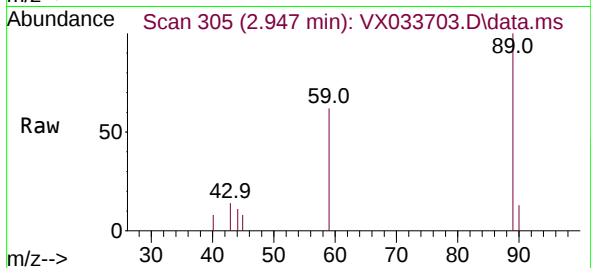




#23  
tert-Butyl Alcohol  
Concen: 4.185 ug/l  
RT: 2.947 min Scan# 305  
Delta R.T. -0.098 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

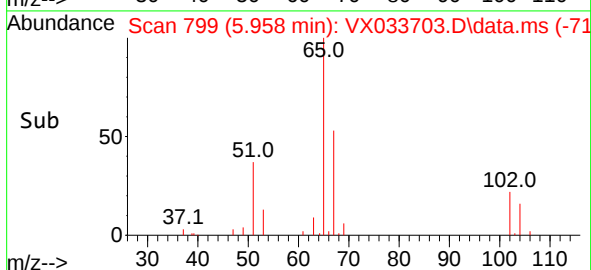
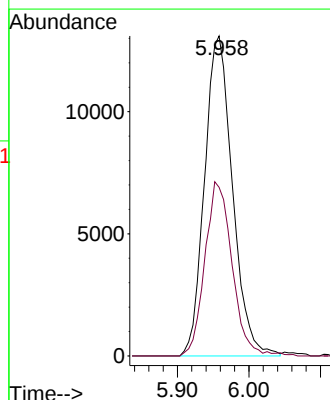
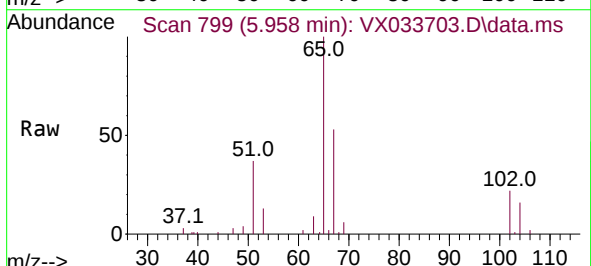
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02

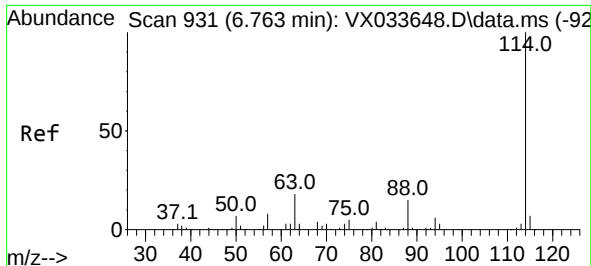
Tgt Ion: 59 Resp: 1166  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.2 0.2#



#27  
1,2-Dichloroethane-d4  
Concen: 32.811 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

Tgt Ion: 65 Resp: 35528  
Ion Ratio Lower Upper  
65 100  
67 52.3 40.4 60.6

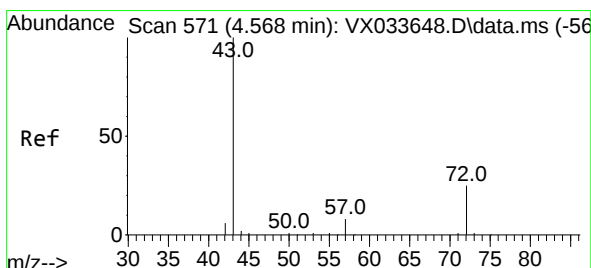
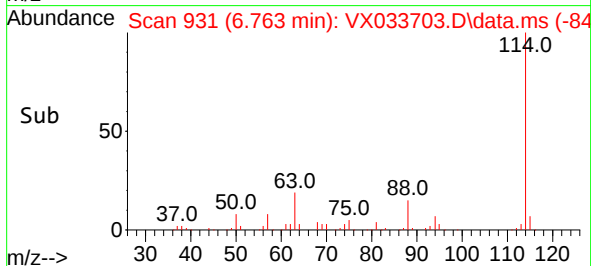
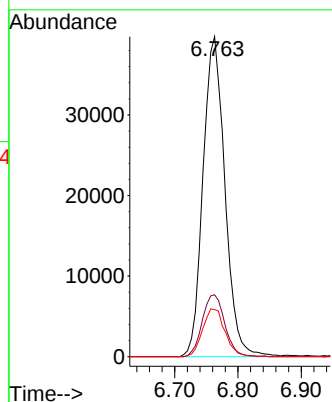
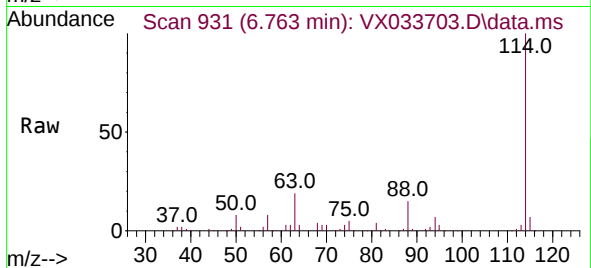




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

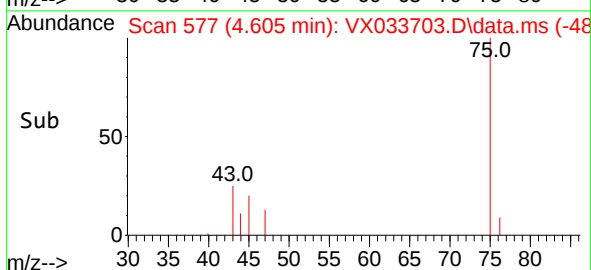
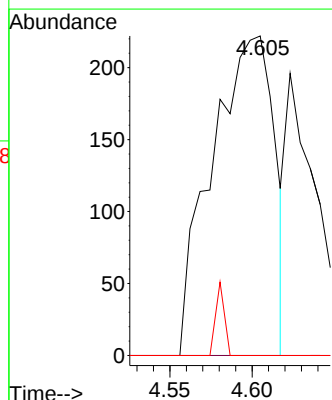
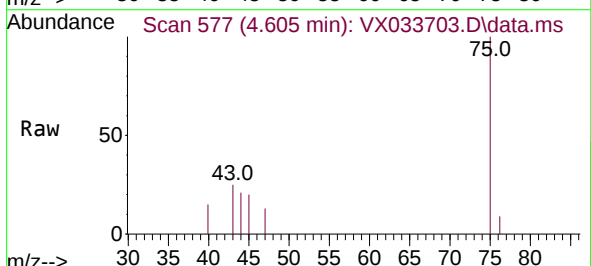
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02

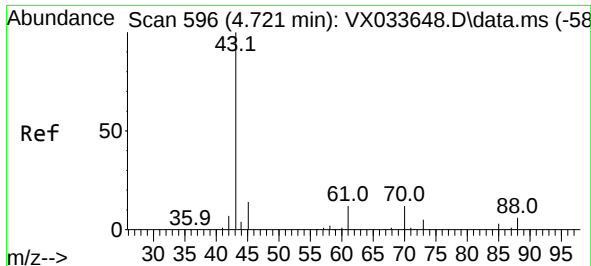
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 95681       |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 19.9  | 15.5 23.3   |
| 88          | 15.3  | 12.4 18.6   |



#30  
2-Butanone  
Concen: 0.544 ug/l  
RT: 4.605 min Scan# 577  
Delta R.T. 0.037 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 588         |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 57          | 0.0   | 3.4 5.2#    |
| 72          | 0.0   | 19.8 29.6#  |





#43

Ethyl Acetate

Concen: 0.609 ug/l

RT: 4.739 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

Instrument :

MSVOA\_X

ClientSampleId :

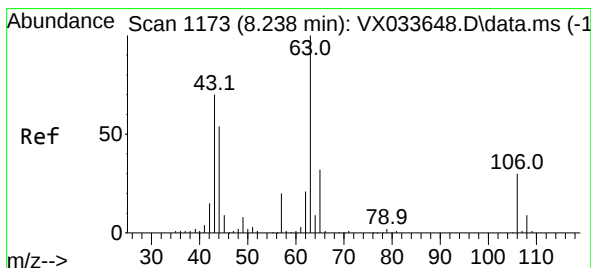
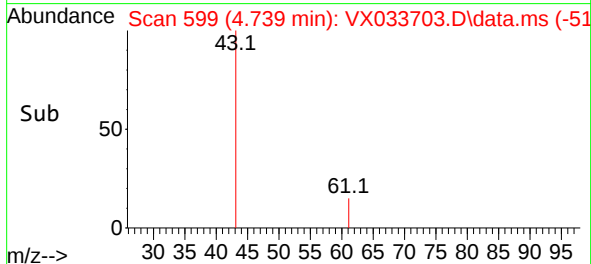
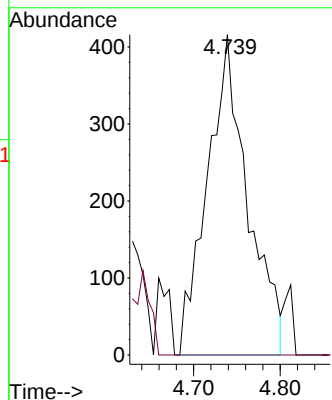
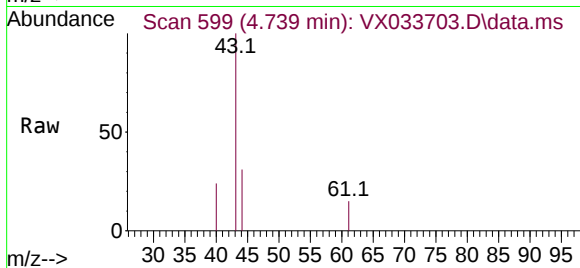
VX0112WBL02

Tgt Ion: 43 Resp: 1348

Ion Ratio Lower Upper

43 100

45 0.0 11.2 16.8#



#55

2-Chloroethyl vinyl ether

Concen: 0.445 ug/l

RT: 8.257 min Scan# 1176

Delta R.T. 0.018 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

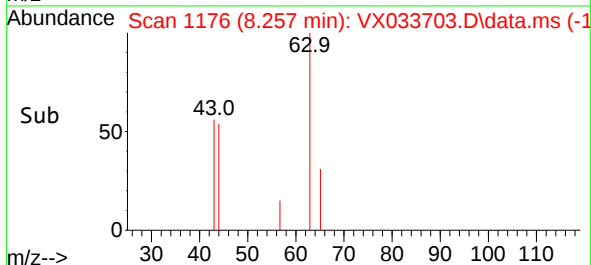
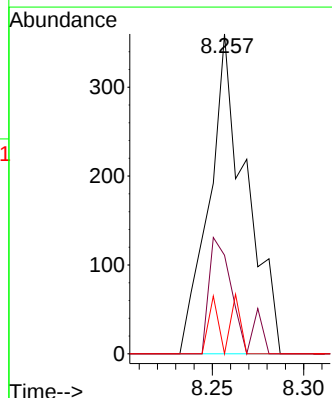
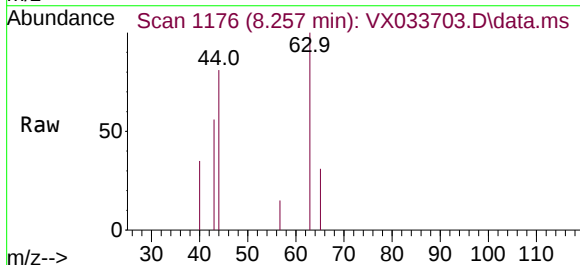
Tgt Ion: 63 Resp: 502

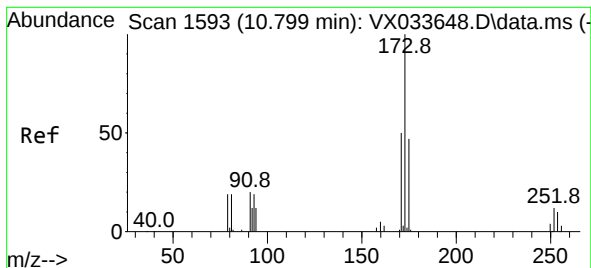
Ion Ratio Lower Upper

63 100

65 3.8 26.2 39.4#

106 4.8 24.0 36.0#





#56

Bromoform

Concen: 0.500 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBL02

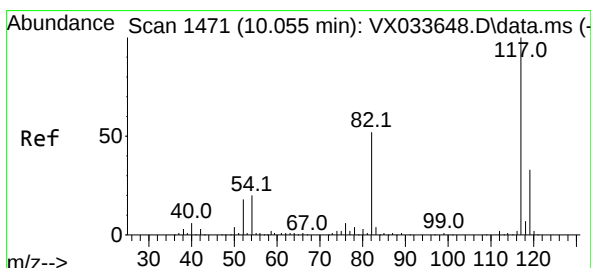
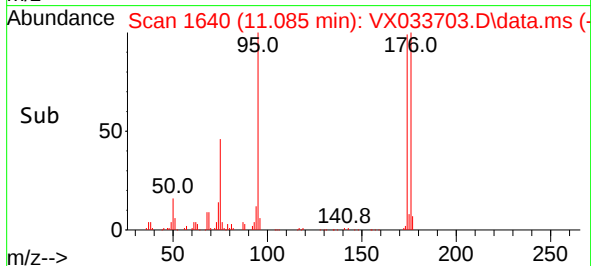
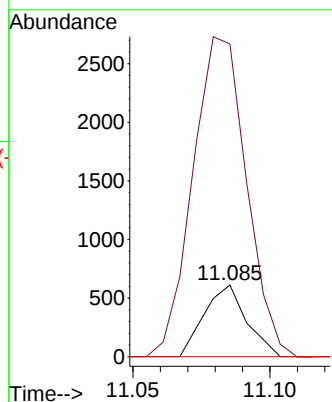
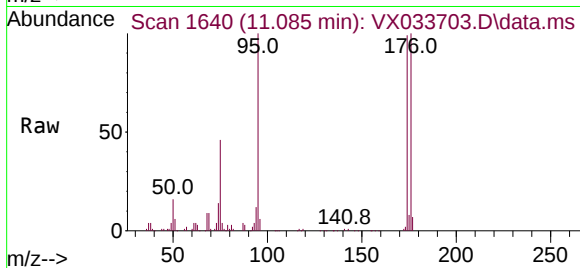
Tgt Ion:173 Resp: 656

Ion Ratio Lower Upper

173 100

175 567.4 38.2 57.4#

254 0.0 8.6 13.0#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

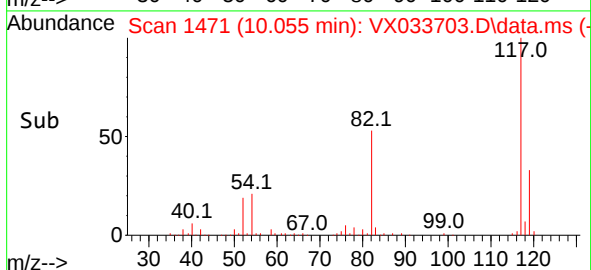
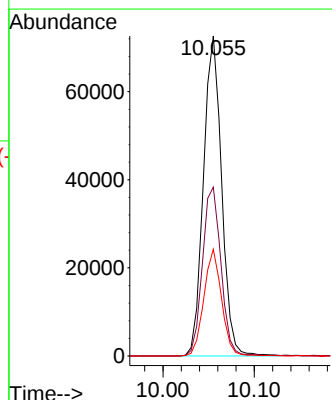
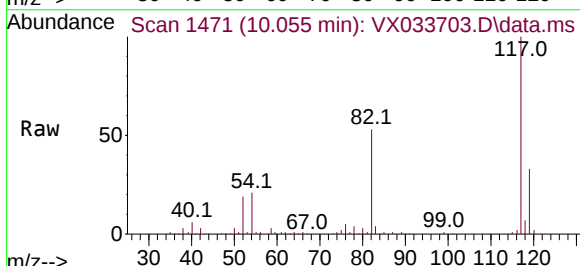
Tgt Ion:117 Resp: 100763

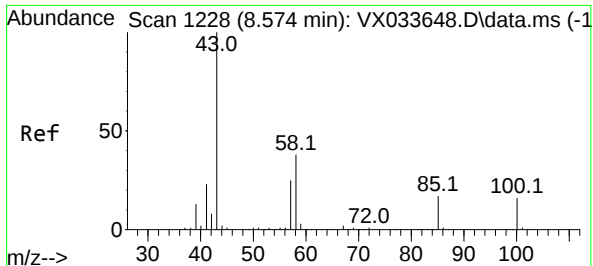
Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

119 32.4 25.6 38.4





#58

4-Methyl-2-Pentanone

Concen: 0.243 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

Instrument :

MSVOA\_X

ClientSampleId :

VX0112WBL02

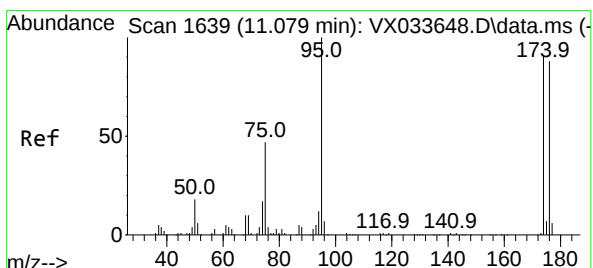
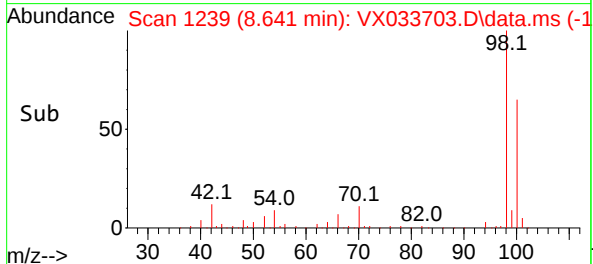
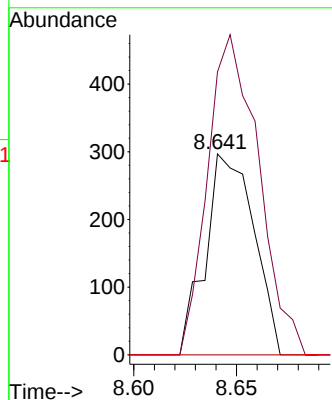
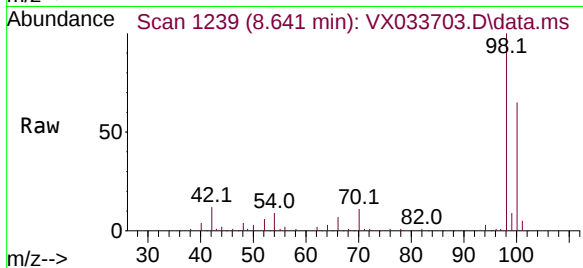
Tgt Ion: 43 Resp: 487

Ion Ratio Lower Upper

43 100

58 167.6 30.2 45.4#

85 0.0 13.8 20.8#



#60

4-Bromofluorobenzene

Concen: 28.507 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033703.D

Acq: 12 Jan 2023 11:10

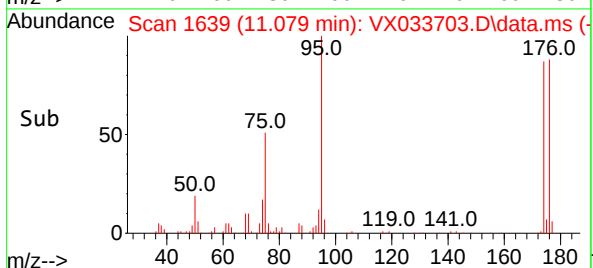
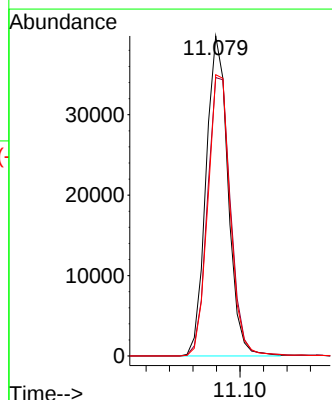
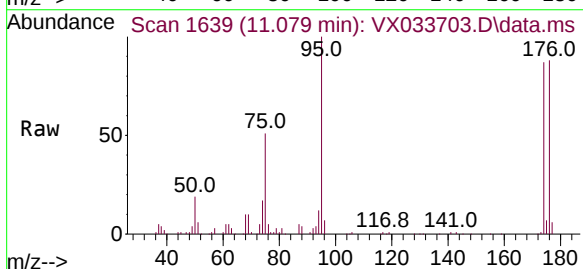
Tgt Ion: 95 Resp: 51771

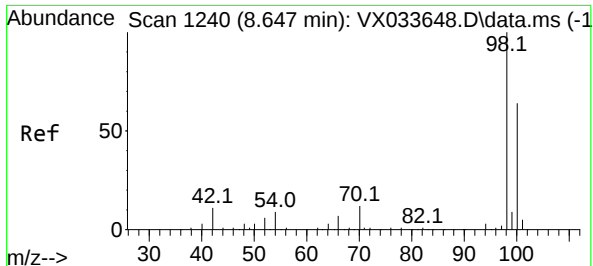
Ion Ratio Lower Upper

95 100

174 91.7 73.7 110.5

176 89.5 71.0 106.4

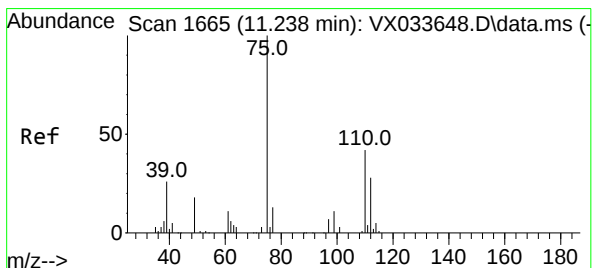
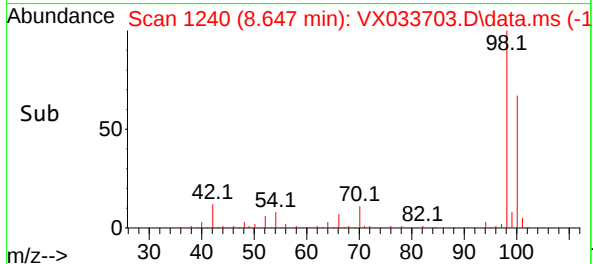
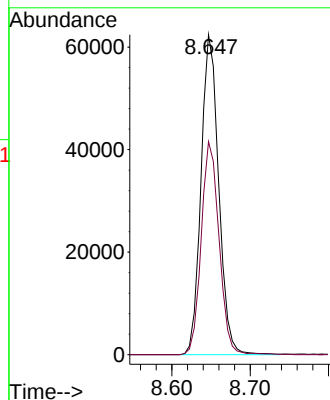
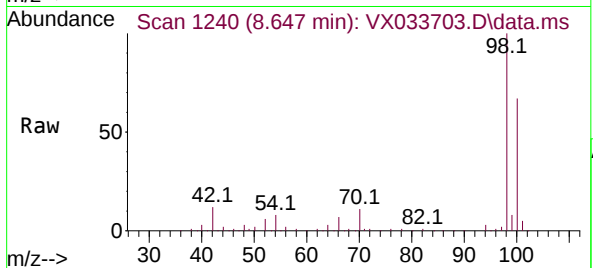




#63  
Toluene-d8  
Concen: 30.318 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

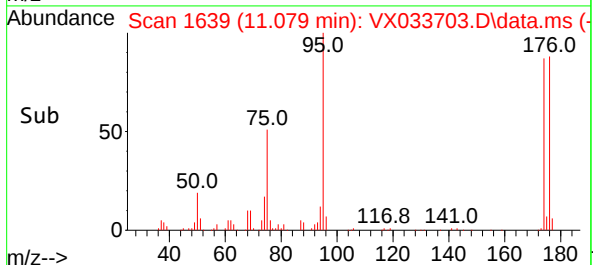
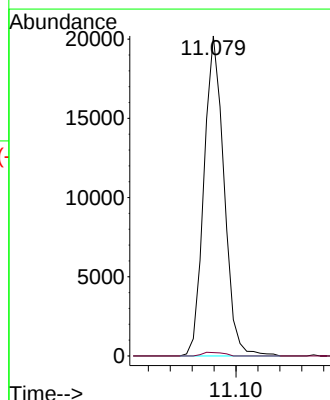
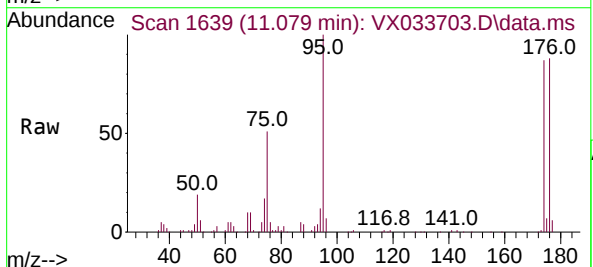
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0112WBL02

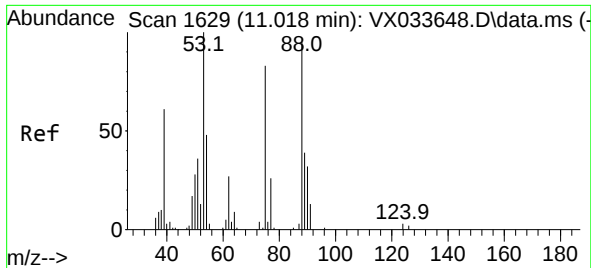
Tgt Ion: 98 Resp: 97769  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.1 79.7



#72  
1,2,3-Trichloropropane  
Concen: 13.239 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX033703.D  
Acq: 12 Jan 2023 11:10

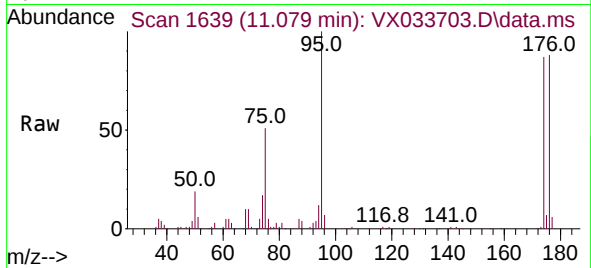
Tgt Ion: 75 Resp: 25664  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 74.6





#77  
 t-1,4-Dichloro-2-butene  
 Concen: 44.253 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX033703.D  
 Acq: 12 Jan 2023 11:10

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0112WBL02



Tgt Ion: 75 Resp: 25664  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 60.2 180.6#  
 89 0.0 23.2 69.6#

