

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082523\  
 Data File : VX037270.D  
 Acq On : 25 Aug 2023 14:44  
 Operator : JC/MD  
 Sample : 04095-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20230818

Quant Time: Aug 26 02:21:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

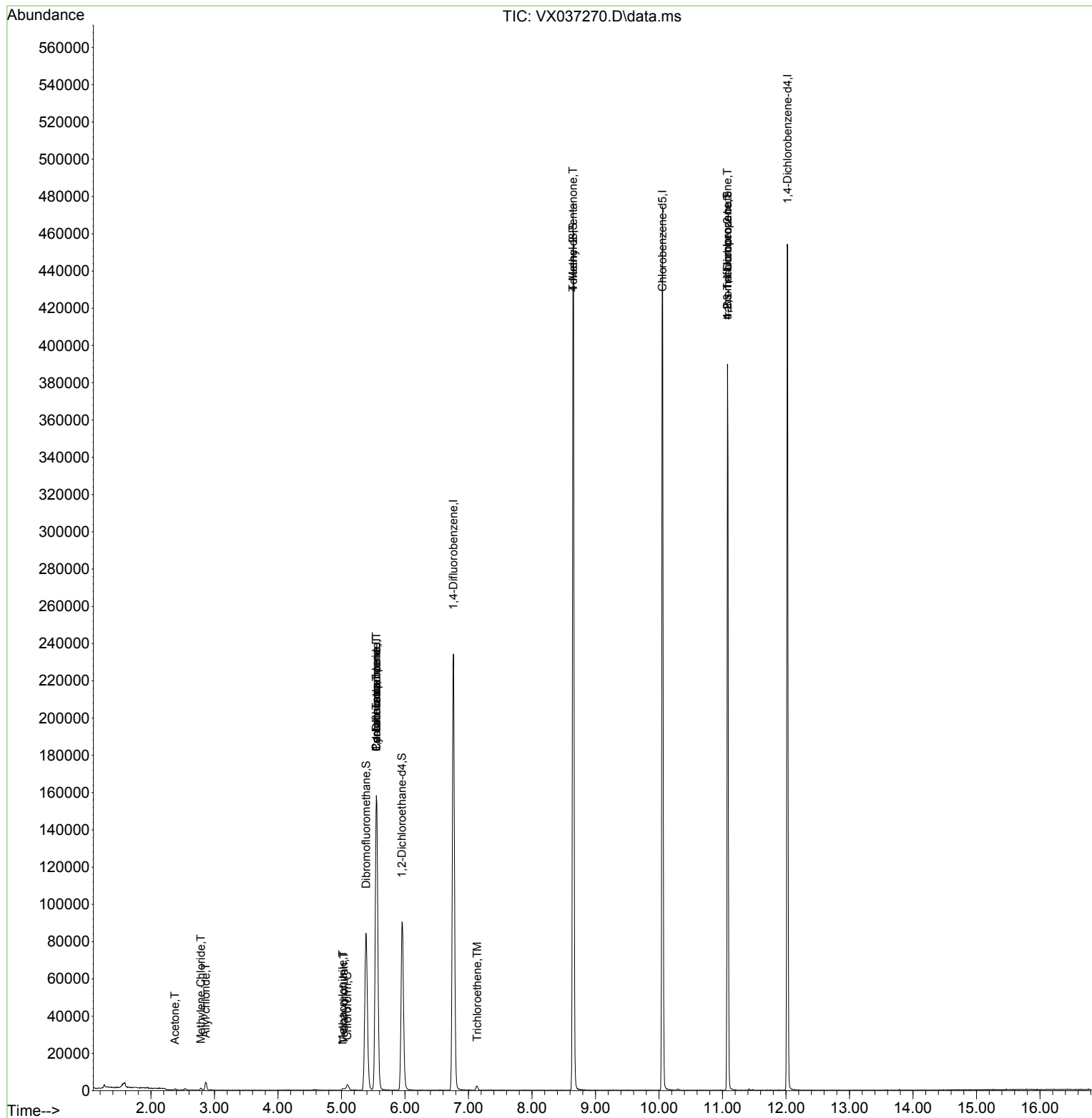
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 149419   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 247903   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 218123   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 97572    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 91912    | 42.668   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 85.340%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 75489    | 45.979   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.960%  |
| 50) Toluene-d8                | 8.647  | 98    | 289381   | 48.591   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.180%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 106153   | 45.357   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 90.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 14) Allyl chloride            | 2.861  | 41    | 1123     | 0.472    | ug/l # | 81       |
| 16) Acetone                   | 2.380  | 43    | 758      | 0.899    | ug/l   | 99       |
| 20) Methylene Chloride        | 2.788  | 84    | 627      | 0.333    | ug/l # | 76       |
| 29) Tetrahydrofuran           | 5.038  | 42    | 878      | 1.085    | ug/l # | 89       |
| 30) Chloroform                | 5.093  | 83    | 4024     | 1.170    | ug/l   | 87       |
| 31) Cyclohexane               | 5.550  | 56    | 2984     | 1.232    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11732    | 5.030    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 16088    | 6.349    | ug/l # | 15       |
| 41) Methacrylonitrile         | 5.019  | 41    | 420      | 0.339    | ug/l # | 52       |
| 44) Trichloroethene           | 7.135  | 130   | 1063     | 0.560    | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1074     | 0.468    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 53370    | 25.684   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 53370    | 71.736   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

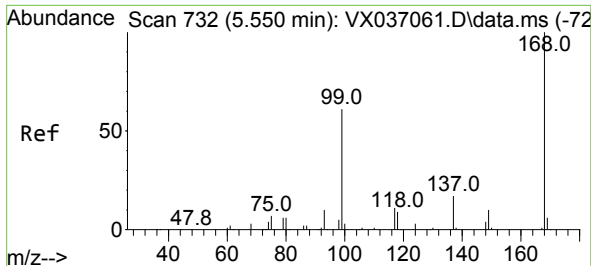
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082523\  
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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-20230818

Quant Time: Aug 26 02:21:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

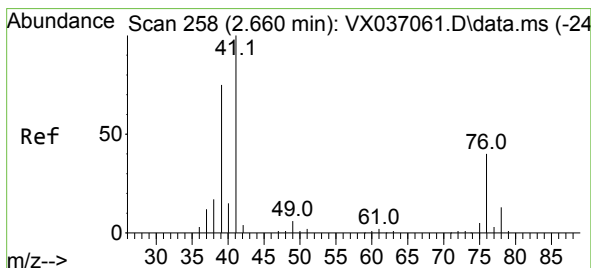
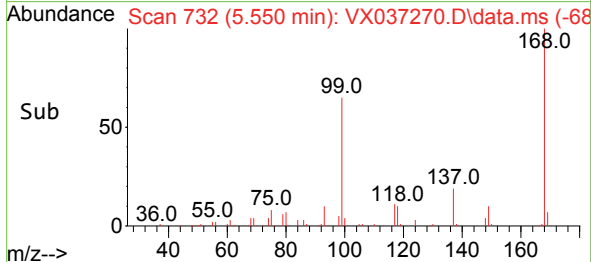
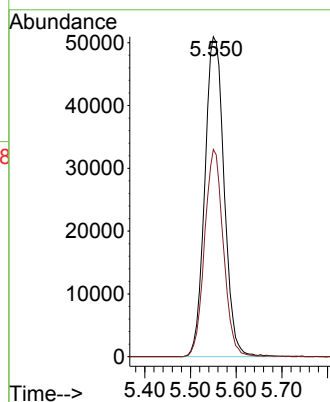
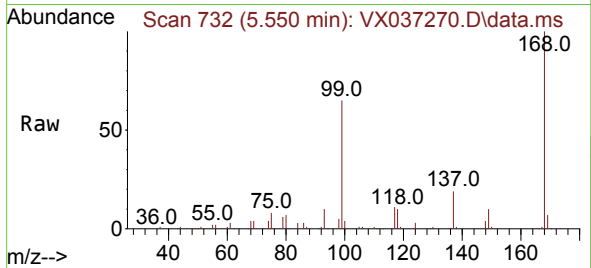




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

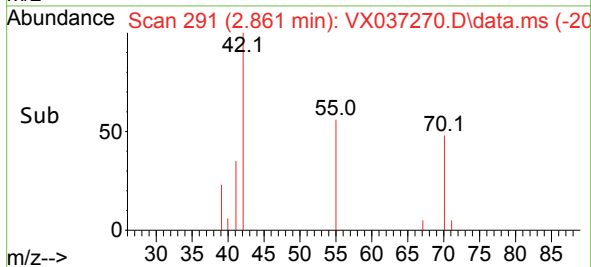
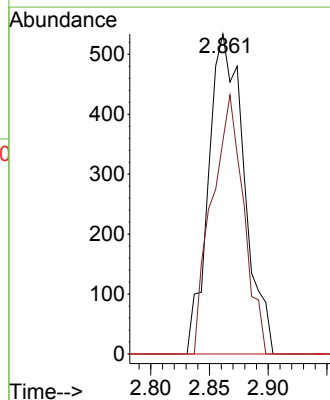
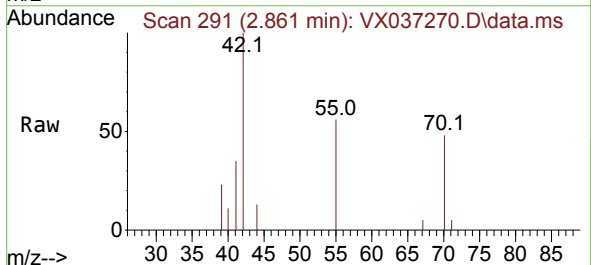
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-20230818

Tgt Ion:168 Resp: 149419  
Ion Ratio Lower Upper  
168 100  
99 64.8 56.6 85.0



#14  
Allyl chloride  
Concen: 0.472 ug/l  
RT: 2.861 min Scan# 291  
Delta R.T. 0.201 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion: 41 Resp: 1123  
Ion Ratio Lower Upper  
41 100  
39 72.3 55.8 83.6  
76 0.0 24.3 36.5#





#16

Acetone

Concen: 0.899 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX037270.D

Acq: 25 Aug 2023 14:44

Instrument :

MSVOA\_X

ClientSampleId :

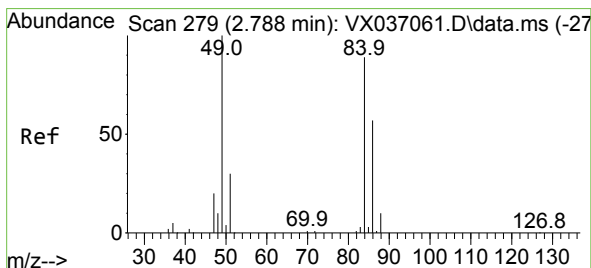
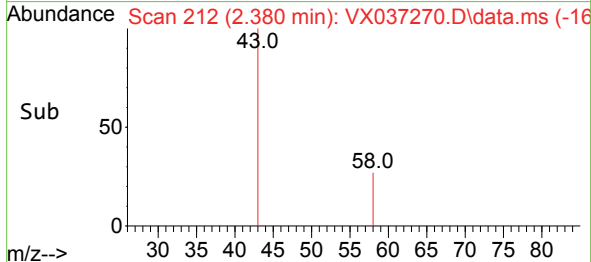
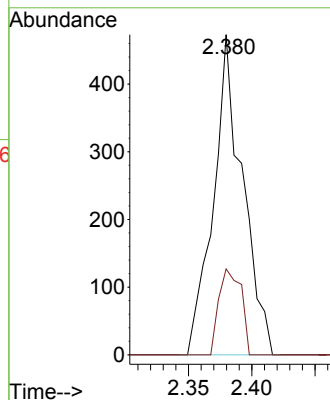
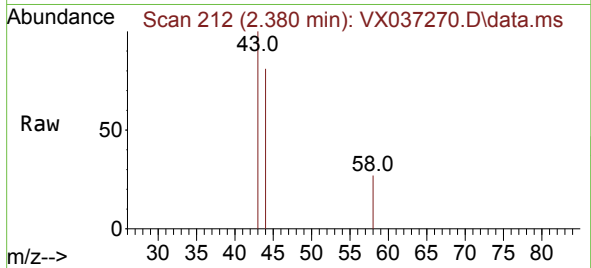
EB01-20230818

Tgt Ion: 43 Resp: 758

Ion Ratio Lower Upper

43 100

58 26.8 21.9 32.9



#20

Methylene Chloride

Concen: 0.333 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037270.D

Acq: 25 Aug 2023 14:44

Tgt Ion: 84 Resp: 627

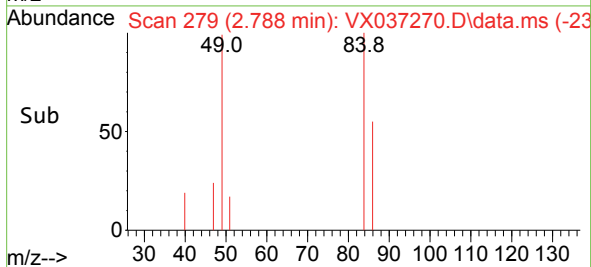
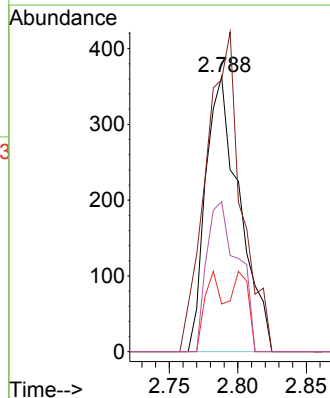
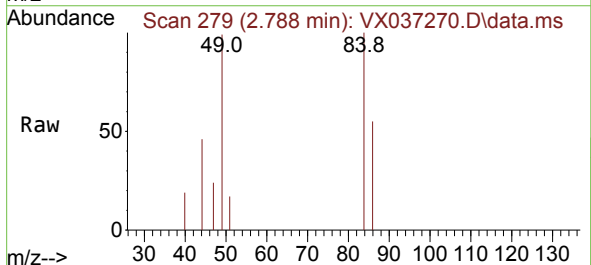
Ion Ratio Lower Upper

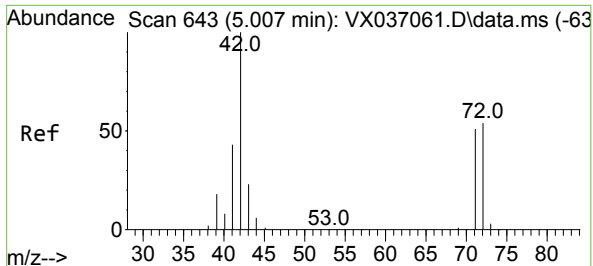
84 100

49 98.9 103.6 155.4#

51 17.4 33.8 50.6#

86 54.5 49.4 74.0





#29

Tetrahydrofuran

Concen: 1.085 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX037270.D

Acq: 25 Aug 2023 14:44

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20230818

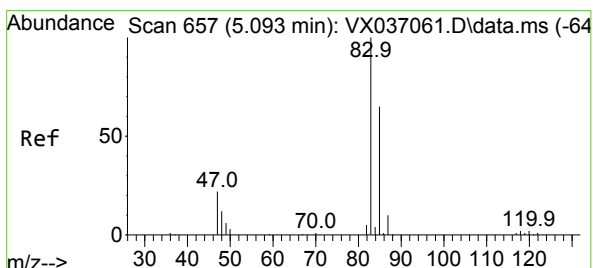
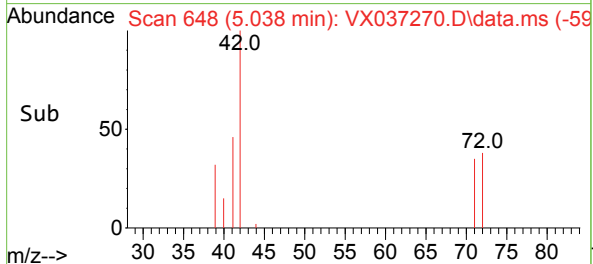
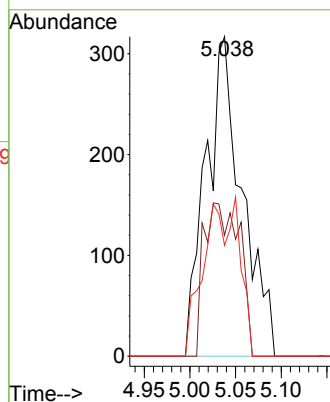
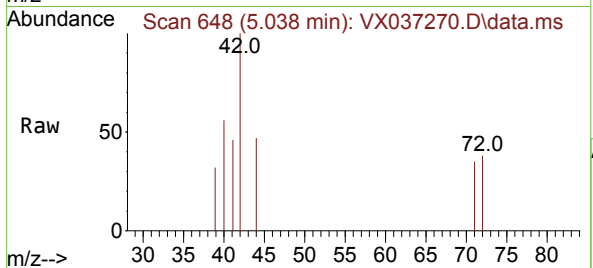
Tgt Ion: 42 Resp: 878

Ion Ratio Lower Upper

42 100

72 46.8 34.2 51.4

71 29.7 32.2 48.2#



#30

Chloroform

Concen: 1.170 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX037270.D

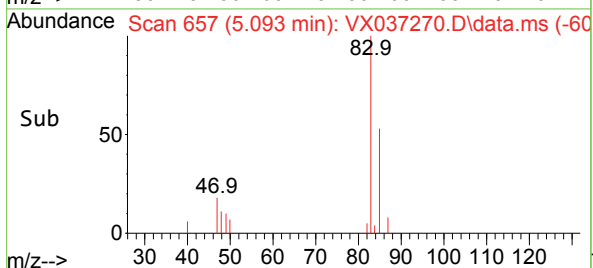
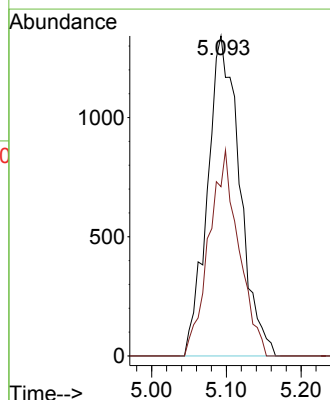
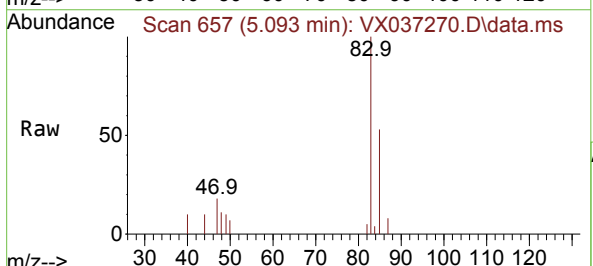
Acq: 25 Aug 2023 14:44

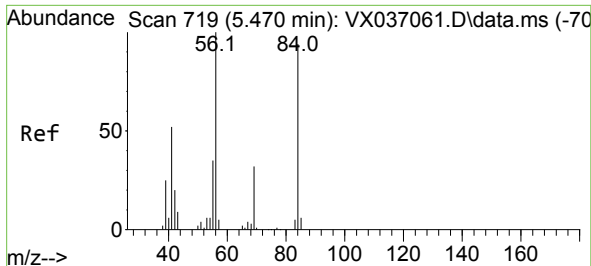
Tgt Ion: 83 Resp: 4024

Ion Ratio Lower Upper

83 100

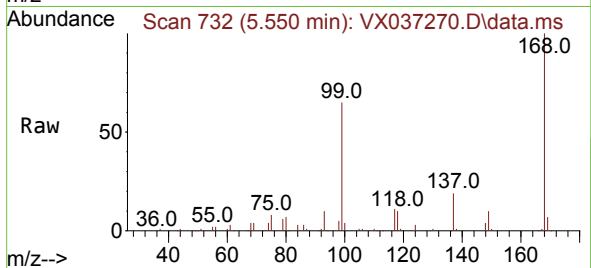
85 52.9 50.3 75.5



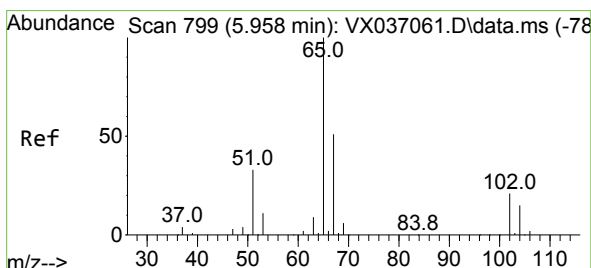
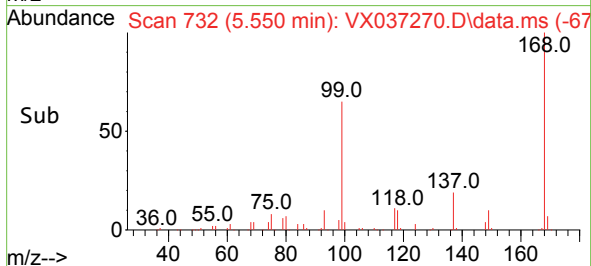
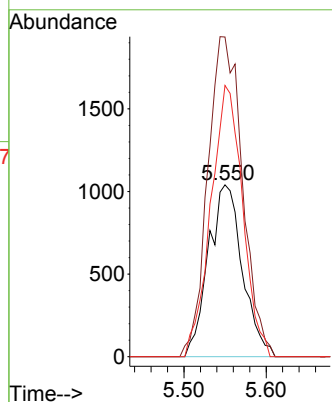


#31  
Cyclohexane  
Concen: 1.232 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-20230818

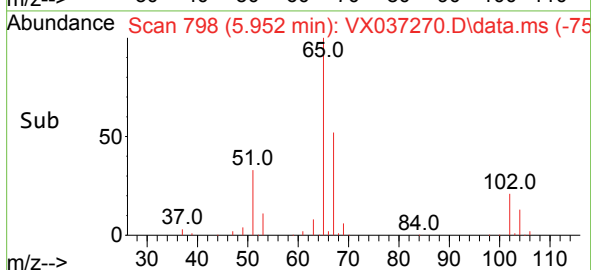
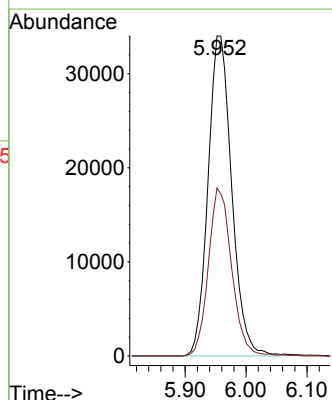
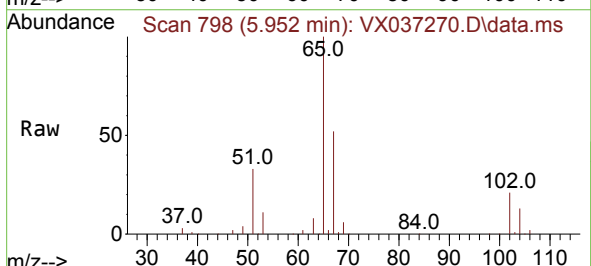


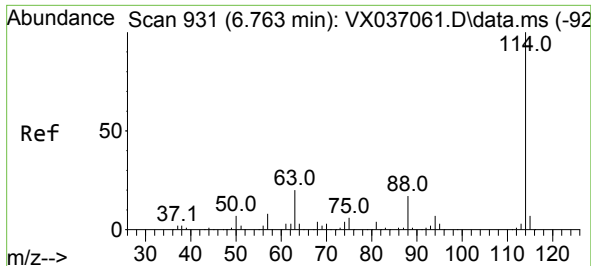
Tgt Ion: 56 Resp: 2984  
Ion Ratio Lower Upper  
56 100  
69 186.1 23.4 35.2#  
84 157.9 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 42.668 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion: 65 Resp: 91912  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 100.2

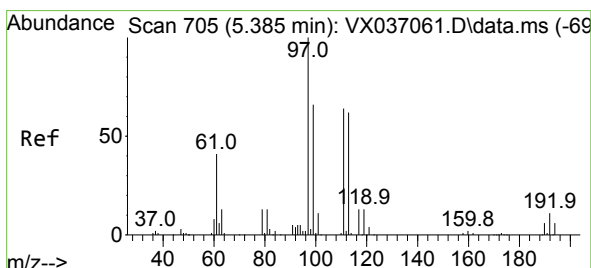
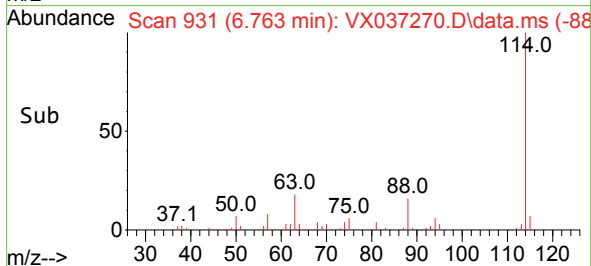
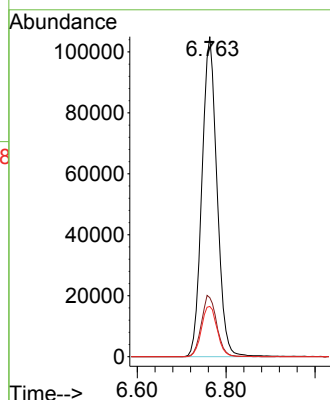
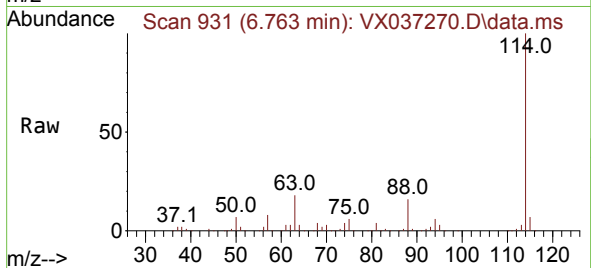




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

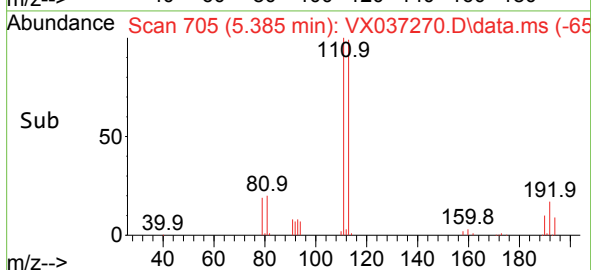
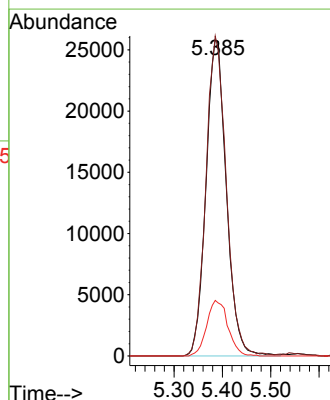
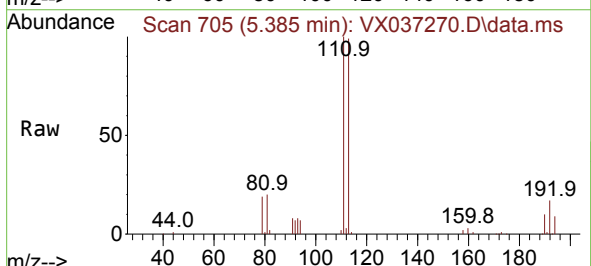
Instrument :  
MSVOA\_X  
ClientSampleId :  
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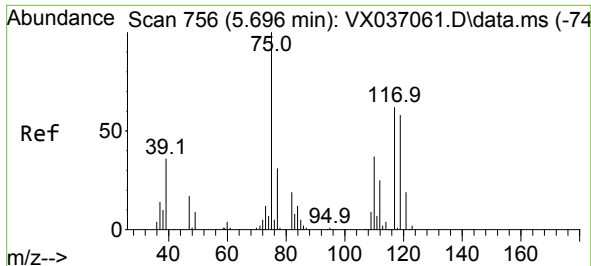
Tgt Ion:114 Resp: 247903  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 45.0  
88 15.7 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 45.979 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion:113 Resp: 75489  
Ion Ratio Lower Upper  
113 100  
111 101.4 82.9 124.3  
192 18.3 13.3 19.9

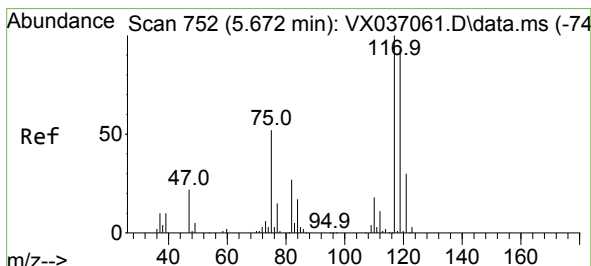
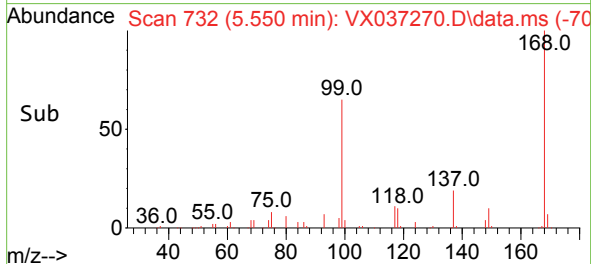
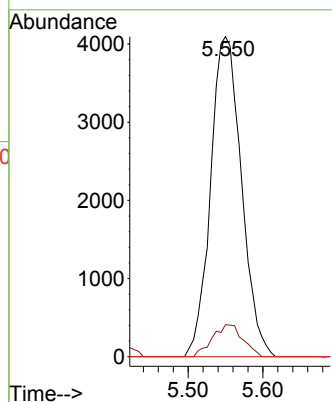
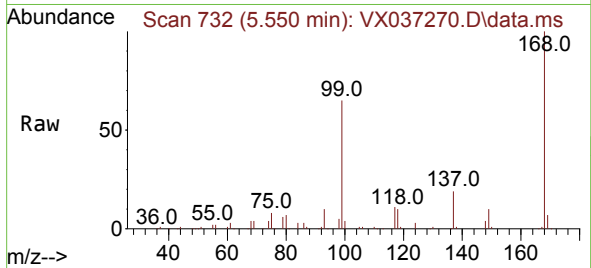




#36  
1,1-Dichloropropene  
Concen: 5.030 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

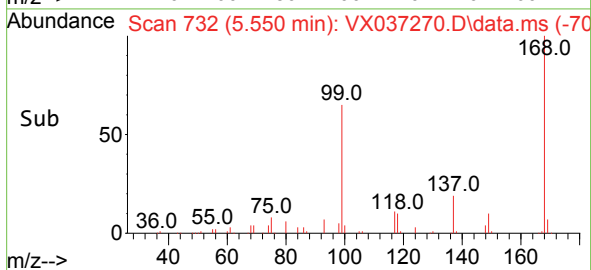
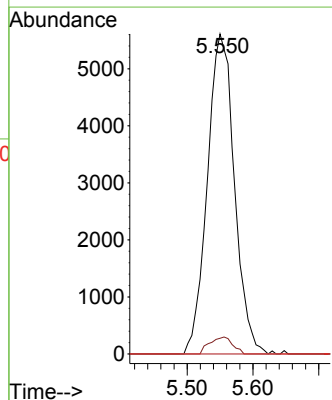
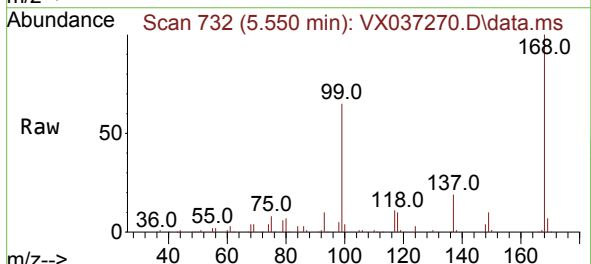
Instrument :  
MSVOA\_X  
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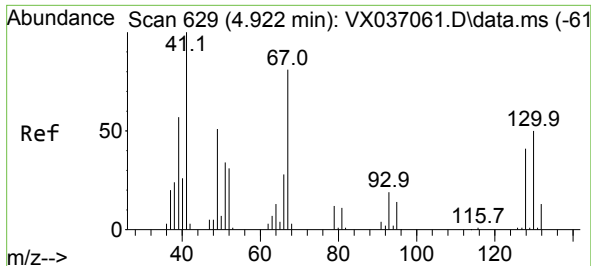
Tgt Ion: 75 Resp: 11732  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.349 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion: 117 Resp: 16088  
Ion Ratio Lower Upper  
117 100  
119 4.9 78.2 117.2#  
121 0.0 24.4 36.6#

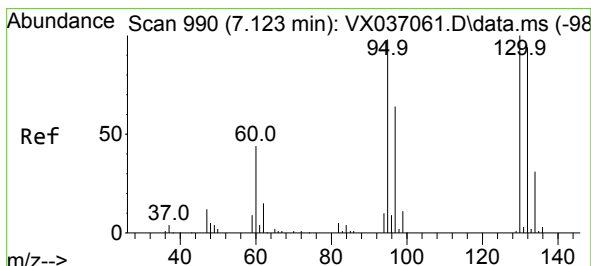
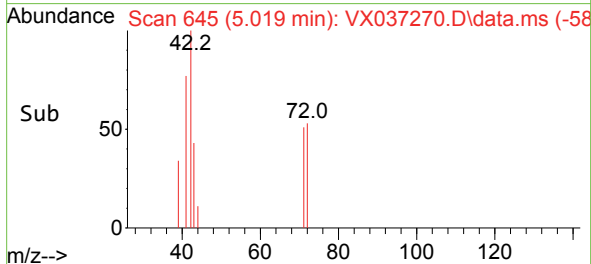
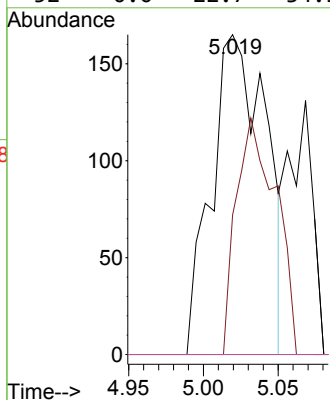
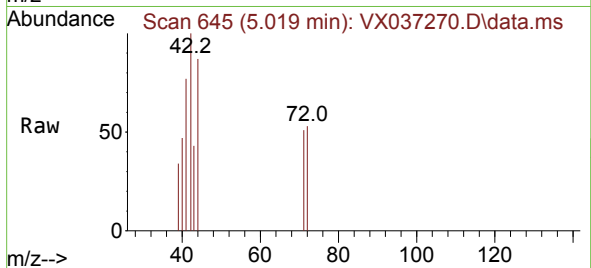




#41  
Methacrylonitrile  
Concen: 0.339 ug/l  
RT: 5.019 min Scan# 645  
Delta R.T. 0.098 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

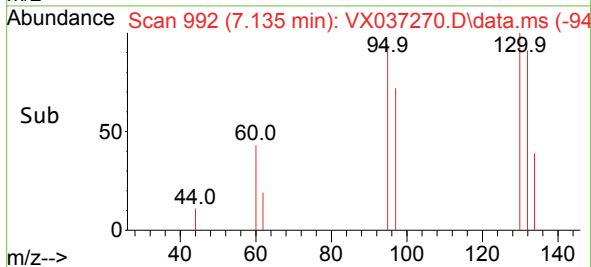
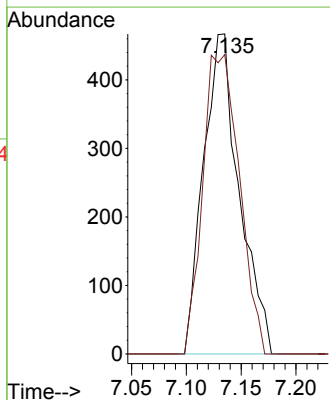
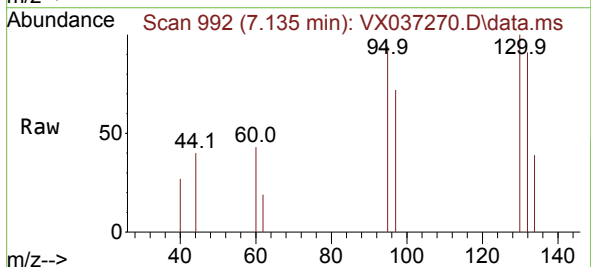
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-20230818

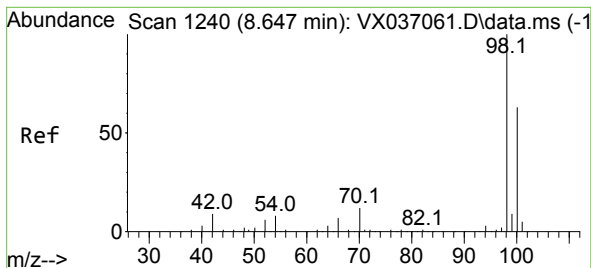
Tgt Ion: 41 Resp: 420  
Ion Ratio Lower Upper  
41 100  
39 53.6 45.2 67.8  
67 0.0 52.6 78.8#  
52 0.0 22.7 34.1#



#44  
Trichloroethene  
Concen: 0.560 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion: 130 Resp: 1063  
Ion Ratio Lower Upper  
130 100  
95 93.6 0.0 204.4





#50

Toluene-d8

Concen: 48.591 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037270.D

Acq: 25 Aug 2023 14:44

Instrument :

MSVOA\_X

ClientSampleId :

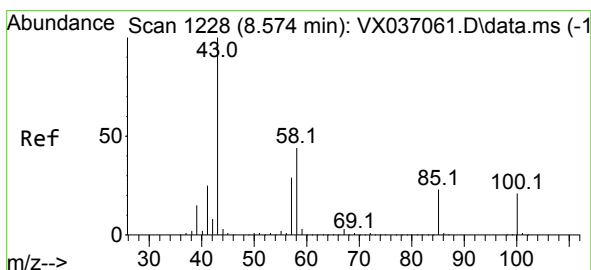
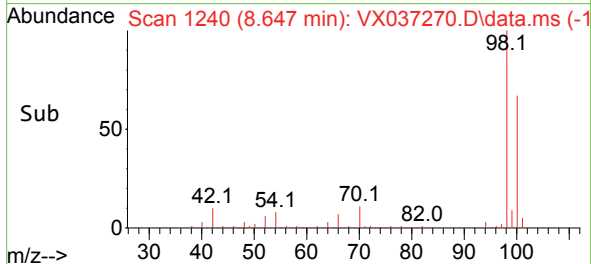
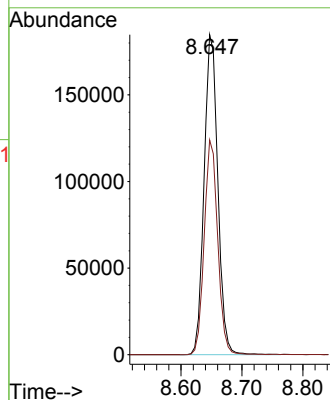
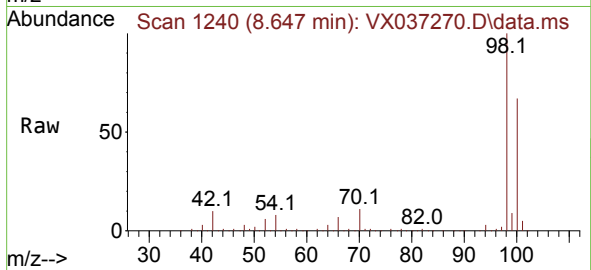
EB01-20230818

Tgt Ion: 98 Resp: 289381

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.468 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037270.D

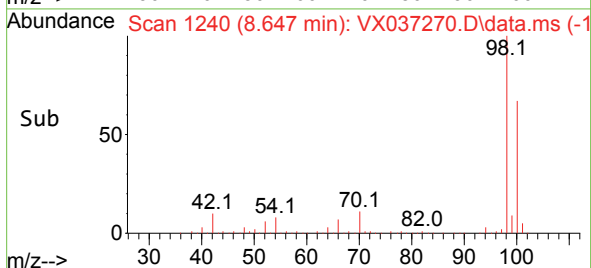
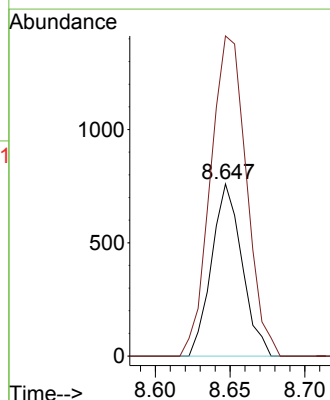
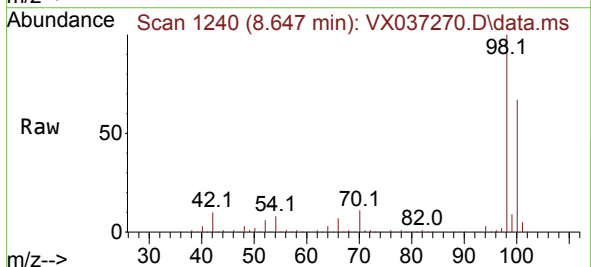
Acq: 25 Aug 2023 14:44

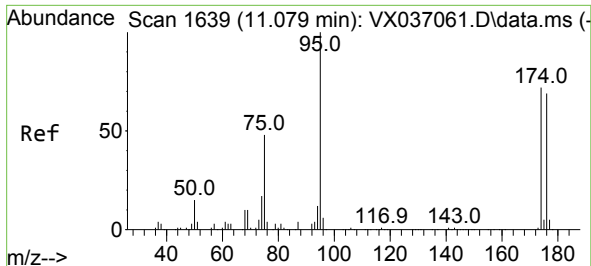
Tgt Ion: 43 Resp: 1074

Ion Ratio Lower Upper

43 100

58 219.6 30.4 45.6#

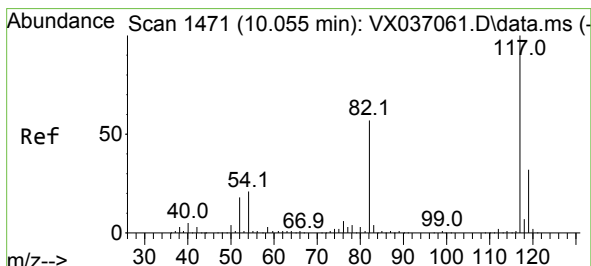
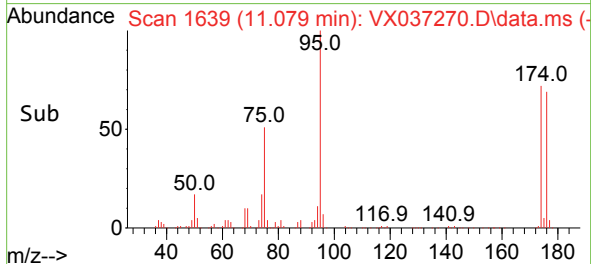
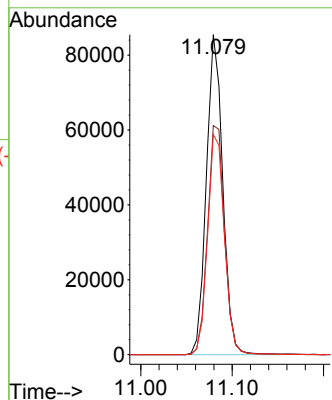
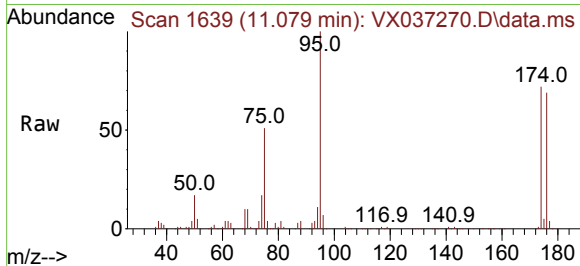




#62  
4-Bromofluorobenzene  
Concen: 45.357 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

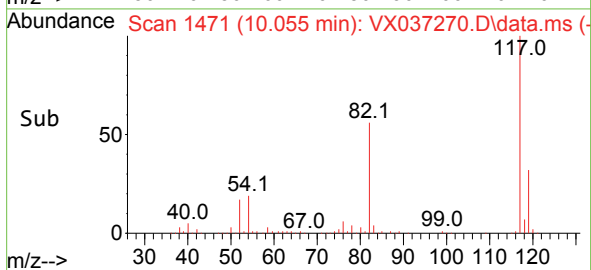
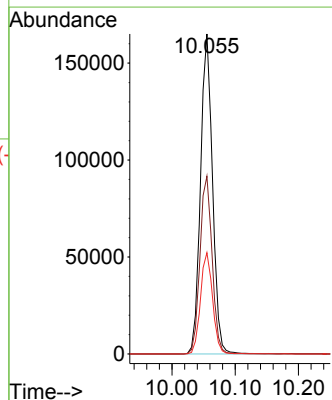
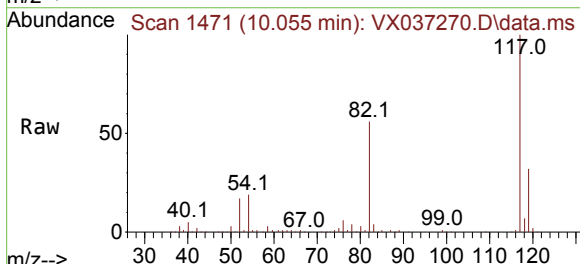
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB01-20230818

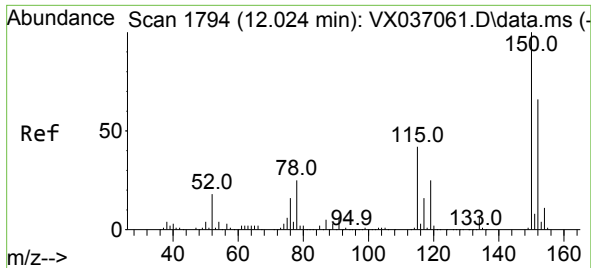
Tgt Ion: 95 Resp: 106153  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 135.6  
176 70.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037270.D  
Acq: 25 Aug 2023 14:44

Tgt Ion: 117 Resp: 218123  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.2 69.4  
119 31.7 25.5 38.3

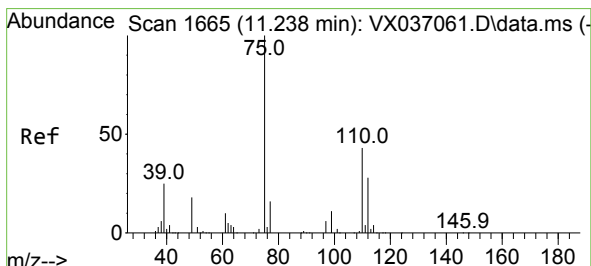
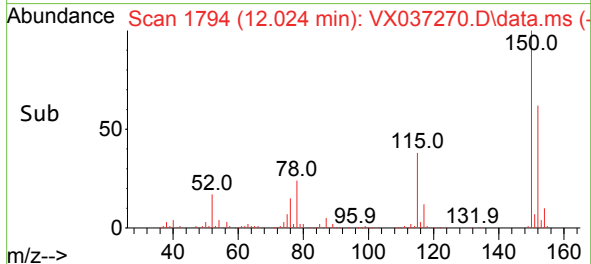
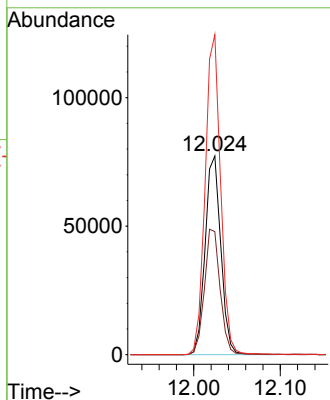
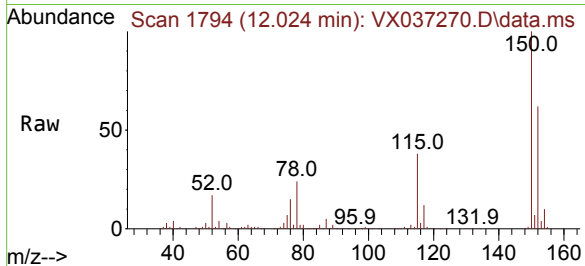




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX037270.D  
 Acq: 25 Aug 2023 14:44

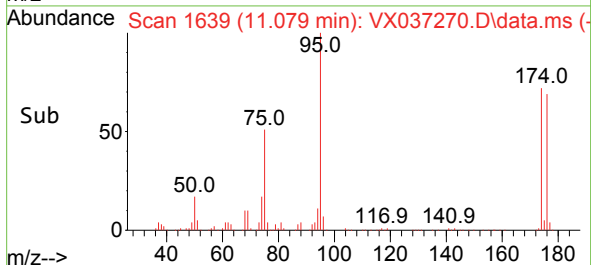
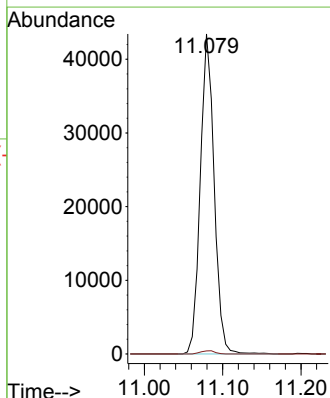
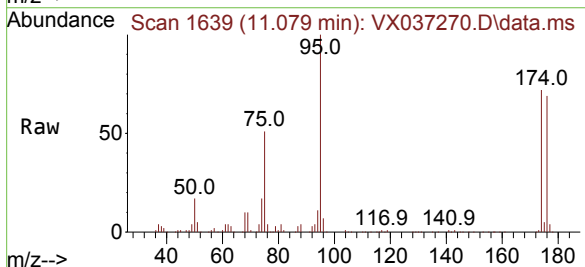
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20230818

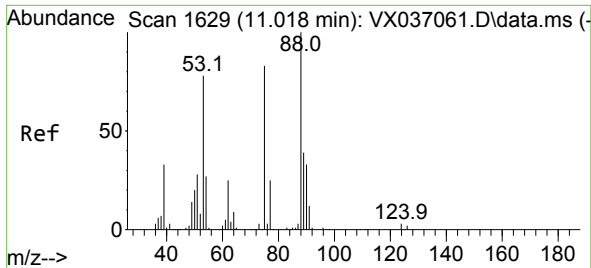
Tgt Ion:152 Resp: 97572  
 Ion Ratio Lower Upper  
 152 100  
 115 63.2 43.3 129.9  
 150 158.0 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.684 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX037270.D  
 Acq: 25 Aug 2023 14:44

Tgt Ion: 75 Resp: 53370  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.736 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037270.D  
 Acq: 25 Aug 2023 14:44

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20230818

Tgt Ion: 75 Resp: 53370  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

