

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062123\  
 Data File : VX036258.D  
 Acq On : 21 Jun 2023 10:11  
 Operator : JC/MD  
 Sample : VX0621MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0621MBL01

Quant Time: Jun 22 04:59:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 16 16:28:40 2023  
 Response via : Initial Calibration

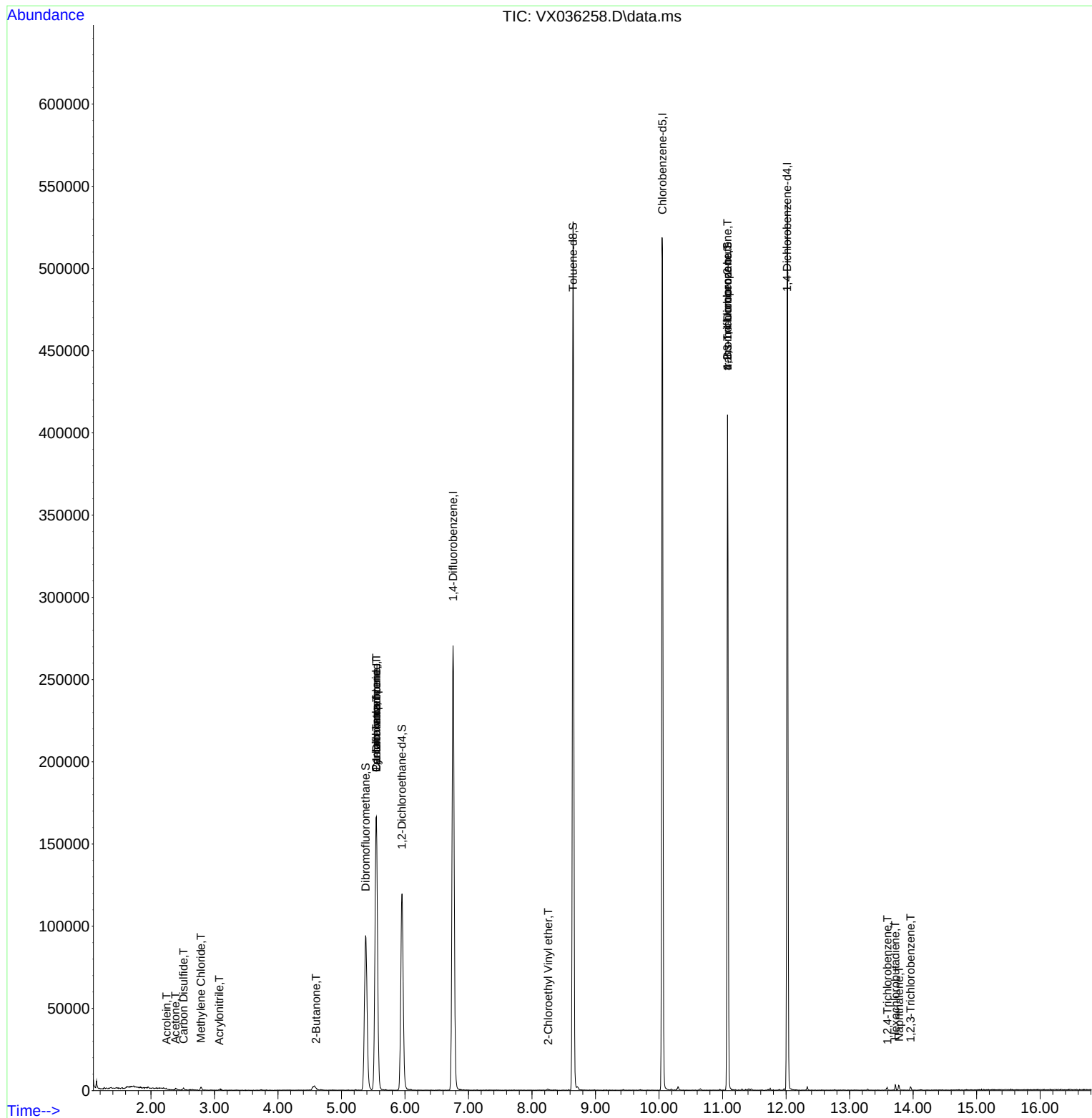
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 147754     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 261488     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 221670     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018         | 152  | 101280     | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 115783     | 42.881   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 85.760%  |        |          |
| 35) Dibromofluoromethane      | 5.379          | 113  | 82081      | 46.290   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 92.580%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 286696     | 44.201   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 88.400%# |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 102291     | 39.069   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 78.140%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 13) Acrolein                  | 2.245          | 56   | 223        | 0.486    | ug/l   | 92       |
| 15) Acrylonitrile             | 3.075          | 53   | 346        | 0.328    | ug/l # | 52       |
| 16) Acetone                   | 2.386          | 43   | 1067       | 0.951    | ug/l # | 80       |
| 17) Carbon Disulfide          | 2.514          | 76   | 1136       | 0.288    | ug/l # | 91       |
| 20) Methylene Chloride        | 2.788          | 84   | 837        | 0.412    | ug/l # | 77       |
| 25) 2-Butanone                | 4.599          | 43   | 333        | 0.212    | ug/l # | 51       |
| 31) Cyclohexane               | 5.550          | 56   | 4037       | 1.394    | ug/l # | 49       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 13709      | 5.248    | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 16041      | 6.317    | ug/l # | 16       |
| 58) 2-Chloroethyl Vinyl ether | 8.257          | 63   | 413        | 0.261    | ug/l # | 66       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 57628      | 23.975   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 57628      | 83.918   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 13.597         | 180  | 454        | 0.243    | ug/l   | 93       |
| 94) Hexachlorobutadiene       | 13.719         | 225  | 535        | 0.724    | ug/l   | 84       |
| 95) Naphthalene               | 13.780         | 128  | 2246       | 0.349    | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 591        | 0.315    | ug/l   | 97       |
| -----                         |                |      |            |          |        |          |

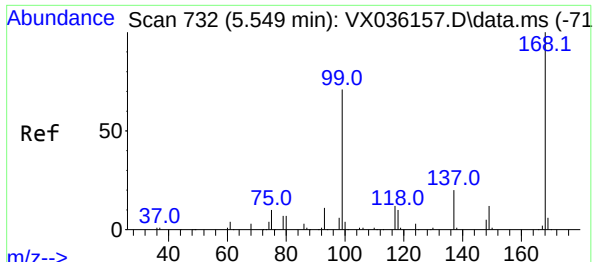
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062123\  
Data File : VX036258.D  
Acq On : 21 Jun 2023 10:11  
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Sample : VX0621MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

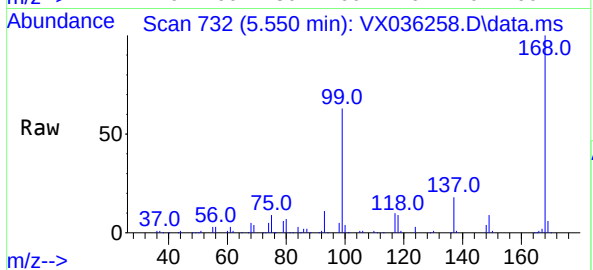
Quant Time: Jun 22 04:59:51 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061623W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 16 16:28:40 2023  
Response via : Initial Calibration



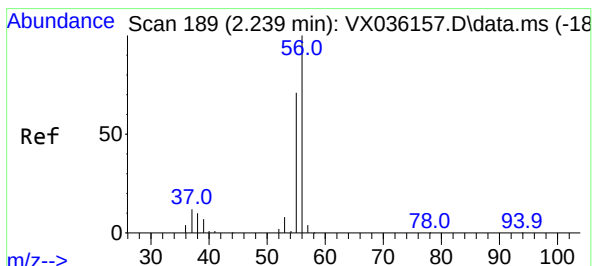
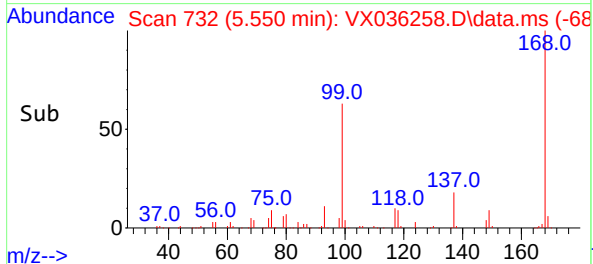
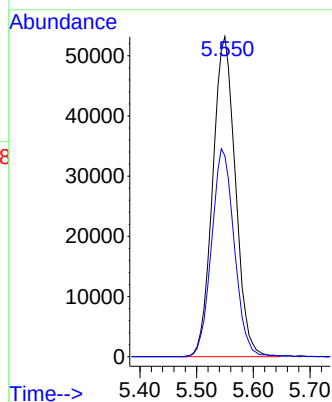


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

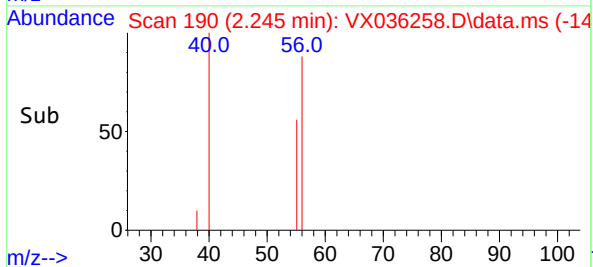
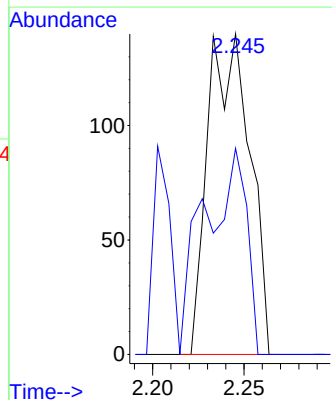
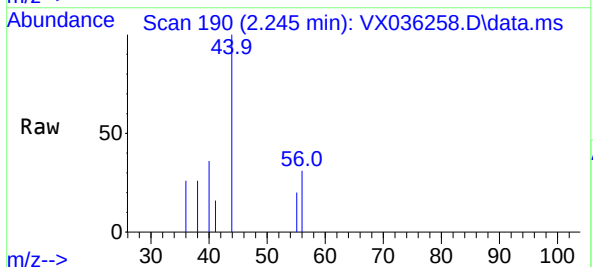


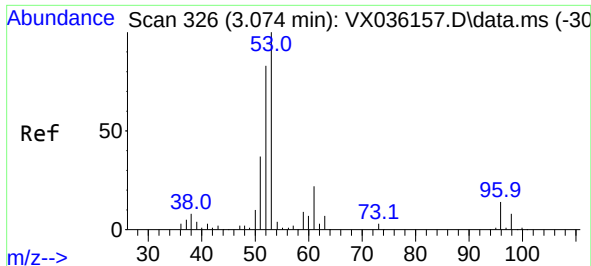
Tgt Ion:168 Resp: 147754  
Ion Ratio Lower Upper  
168 100  
99 62.8 56.6 85.0



#13  
Acrolein  
Concen: 0.486 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. 0.006 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 56 Resp: 223  
Ion Ratio Lower Upper  
56 100  
55 64.6 57.1 85.7

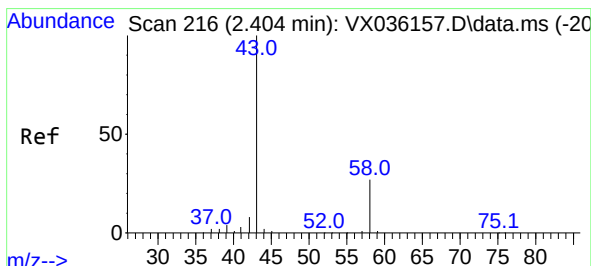
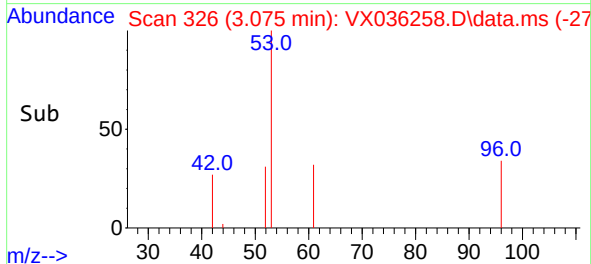
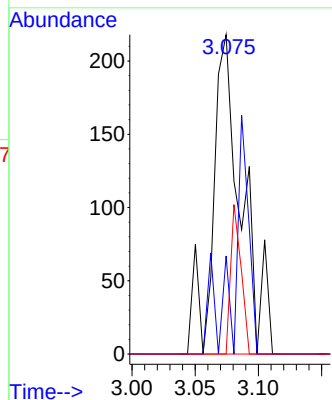
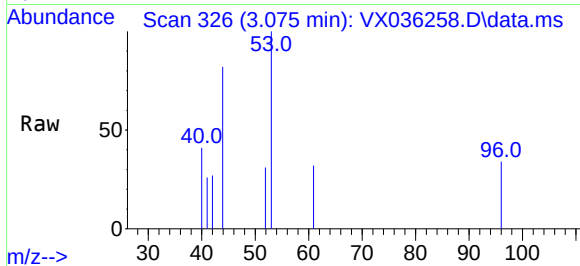




#15  
Acrylonitrile  
Concen: 0.328 ug/l  
RT: 3.075 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

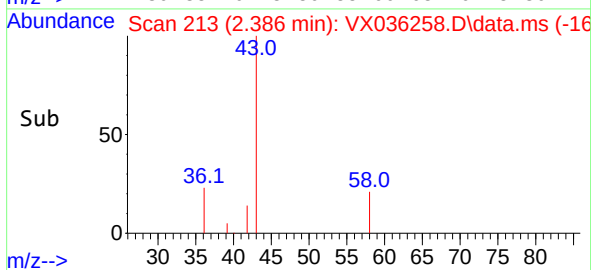
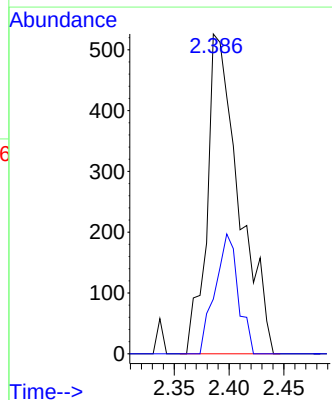
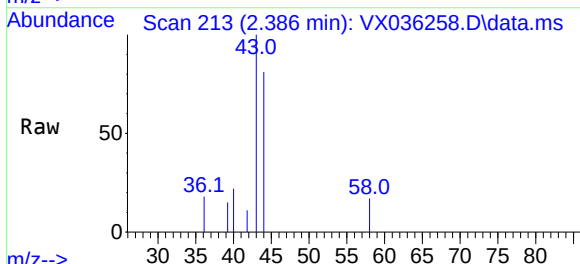
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

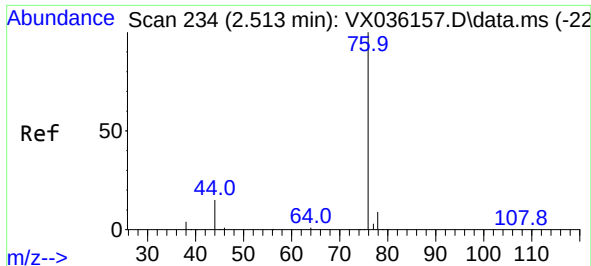
Tgt Ion: 53 Resp: 346  
Ion Ratio Lower Upper  
53 100  
52 33.5 66.0 99.0#  
51 16.8 29.8 44.6#



#16  
Acetone  
Concen: 0.951 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.018 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 43 Resp: 1067  
Ion Ratio Lower Upper  
43 100  
58 17.1 21.9 32.9#

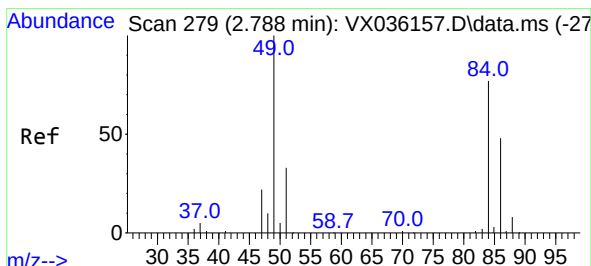
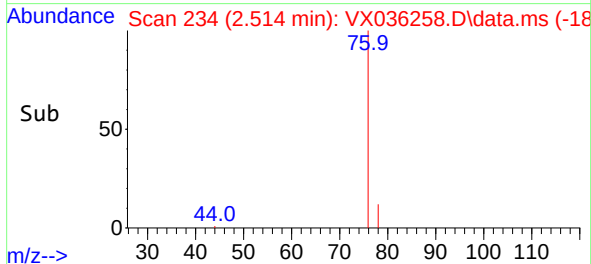
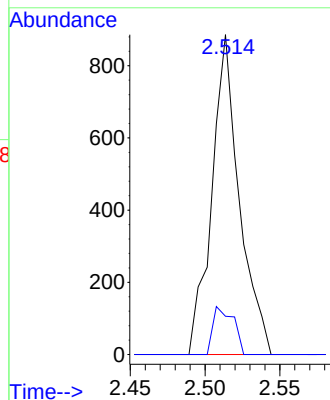
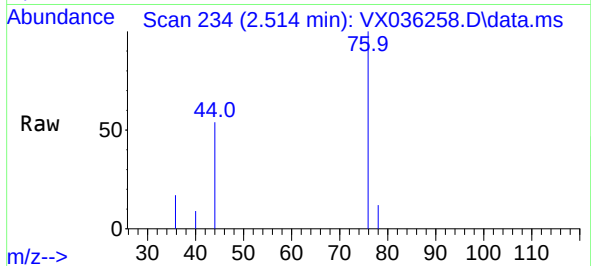




#17  
Carbon Disulfide  
Concen: 0.288 ug/l  
RT: 2.514 min Scan# 211  
Delta R.T. 0.001 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

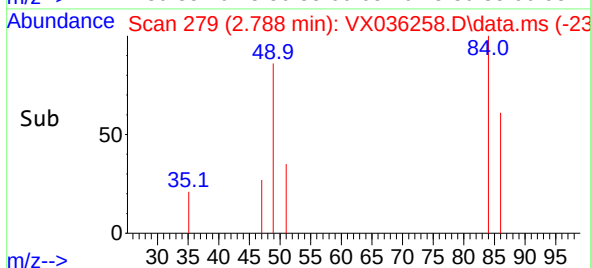
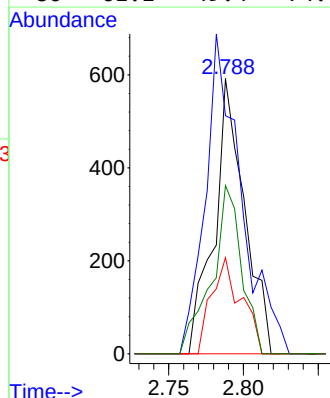
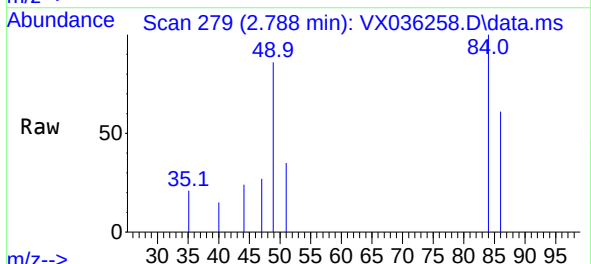
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

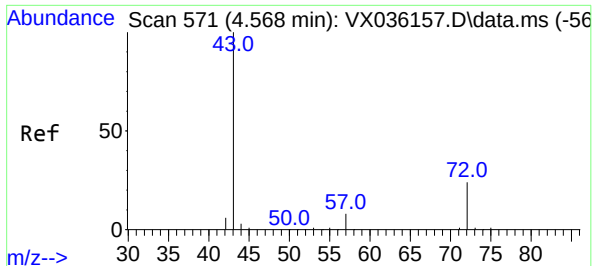
Tgt Ion: 76 Resp: 1136  
Ion Ratio Lower Upper  
76 100  
78 12.0 7.0 10.6#



#20  
Methylene Chloride  
Concen: 0.412 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. -0.000 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 84 Resp: 837  
Ion Ratio Lower Upper  
84 100  
49 86.5 103.6 155.4#  
51 35.0 33.8 50.6  
86 61.1 49.4 74.0





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.599 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

Instrument :

MSVOA\_X

ClientSampleId :

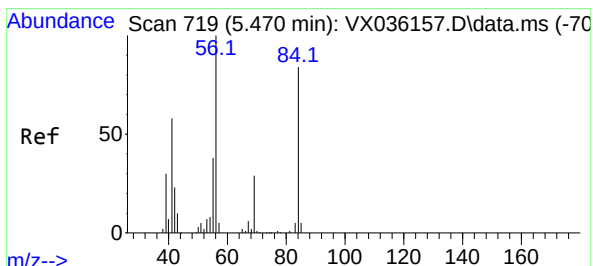
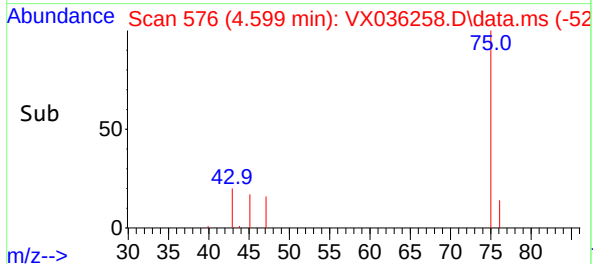
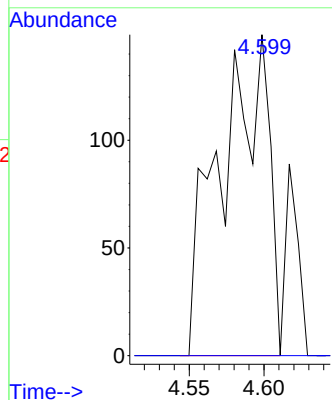
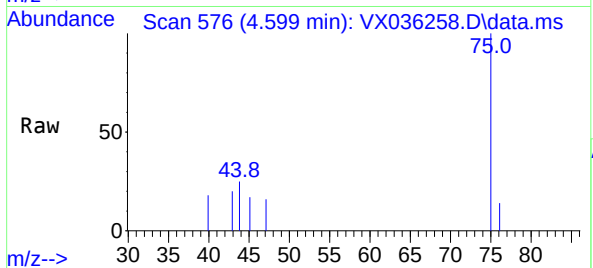
VX0621MBL01

Tgt Ion: 43 Resp: 333

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 1.394 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

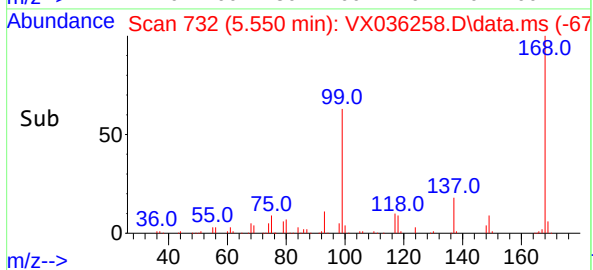
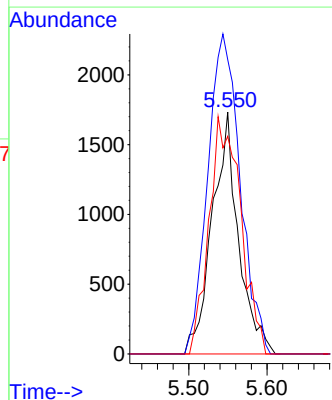
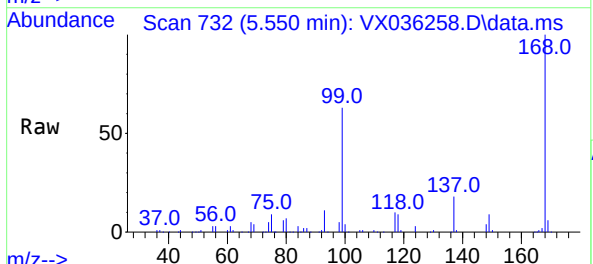
Tgt Ion: 56 Resp: 4037

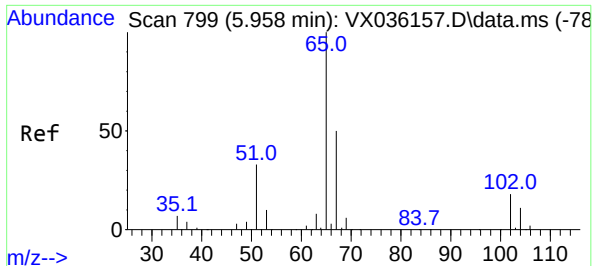
Ion Ratio Lower Upper

56 100

69 121.7 23.4 35.2#

84 89.9 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 42.881 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

Instrument :

MSVOA\_X

ClientSampleId :

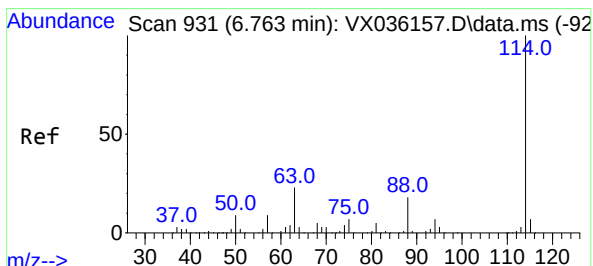
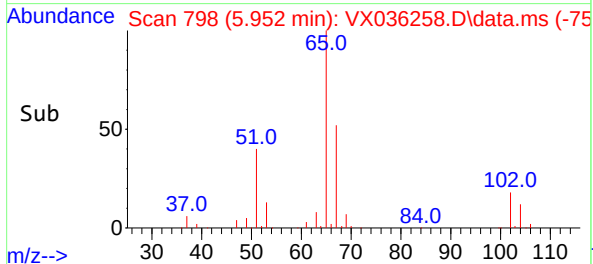
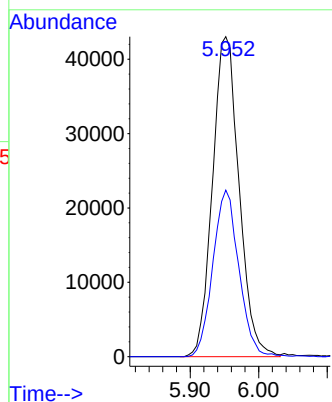
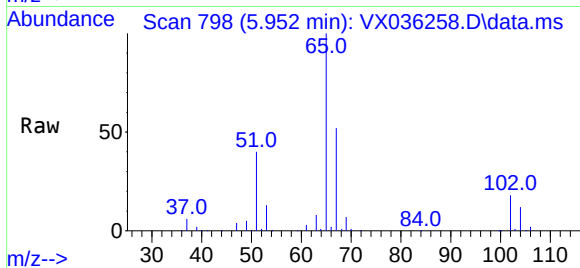
VX0621MBL01

Tgt Ion: 65 Resp: 115783

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

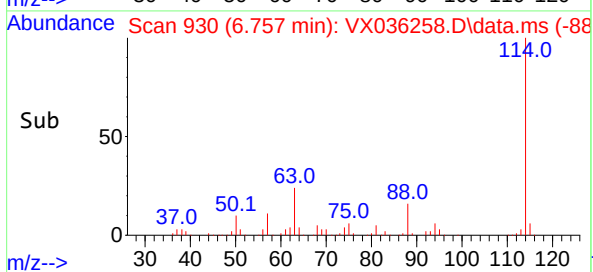
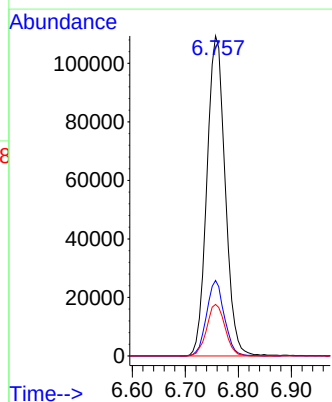
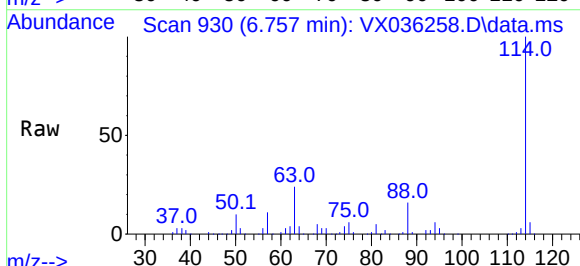
Tgt Ion:114 Resp: 261488

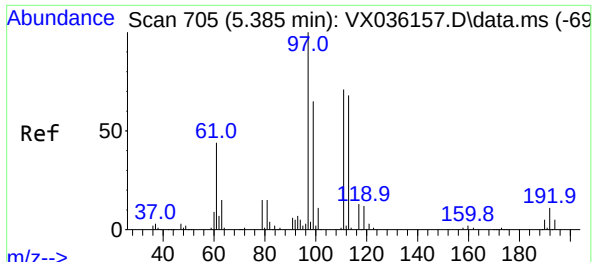
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.0

88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.290 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

Instrument :

MSVOA\_X

ClientSampleId :

VX0621MBL01

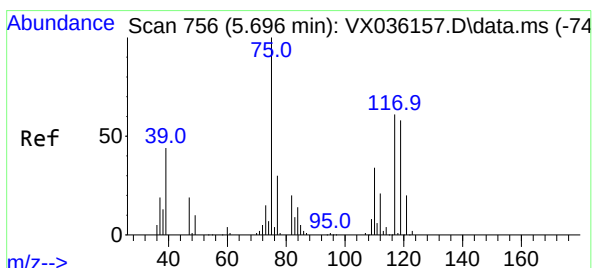
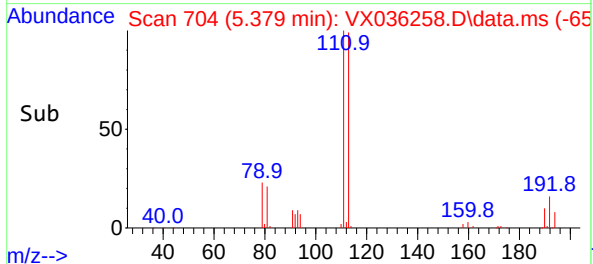
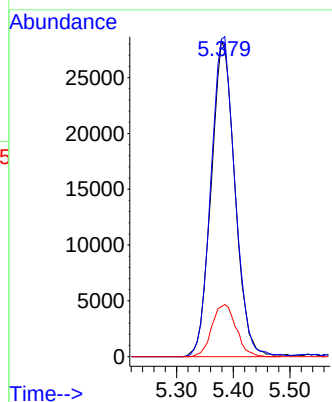
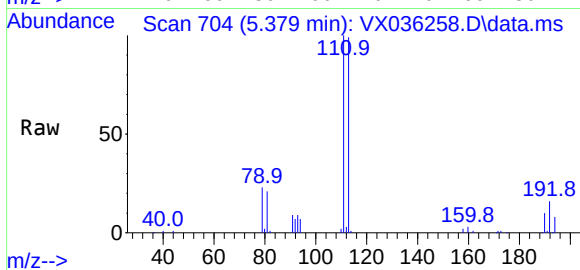
Tgt Ion:113 Resp: 82081

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 16.9 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.248 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX036258.D

Acq: 21 Jun 2023 10:11

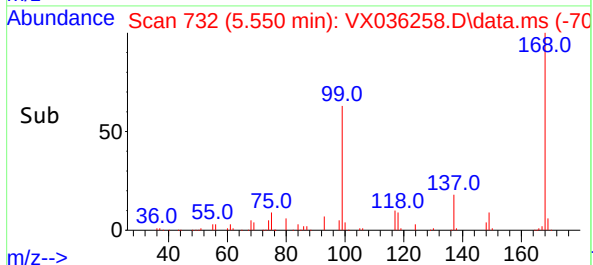
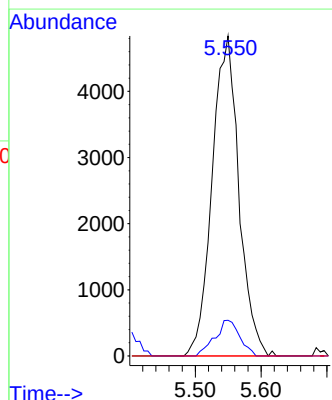
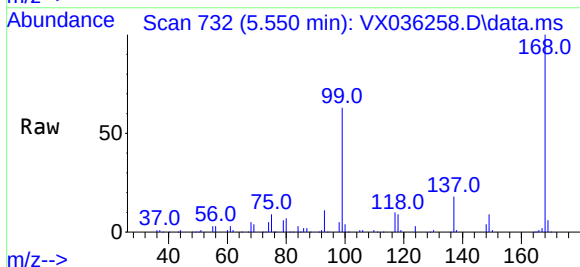
Tgt Ion: 75 Resp: 13709

Ion Ratio Lower Upper

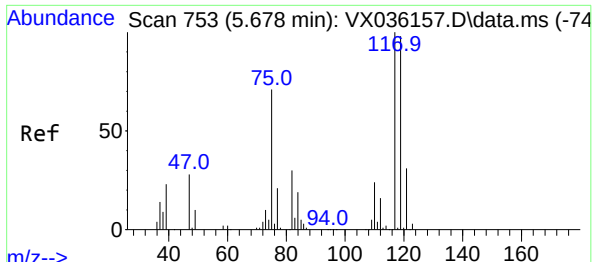
75 100

110 10.3 17.0 50.9#

77 0.0 24.7 37.1#

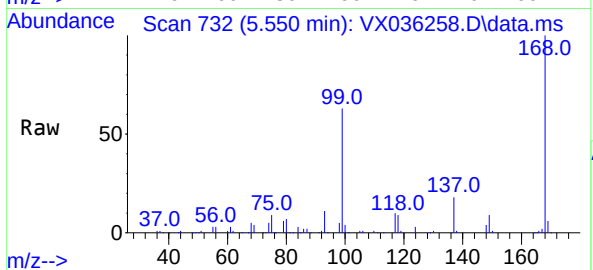




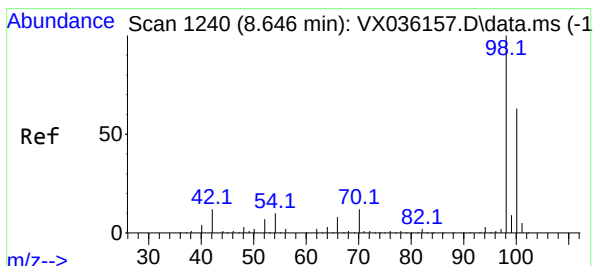
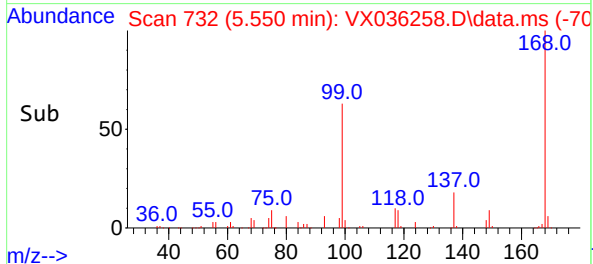
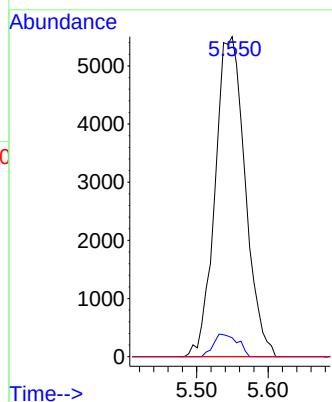


#38  
Carbon Tetrachloride  
Concen: 6.317 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX036258.D  
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ClientSampleId :  
VX0621MBL01

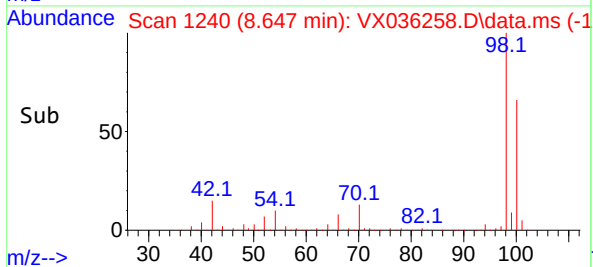
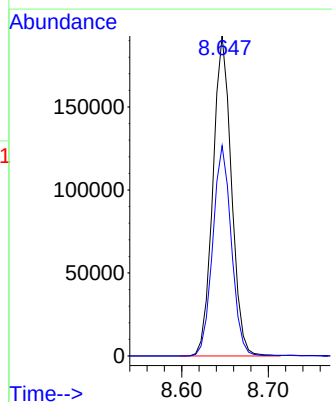
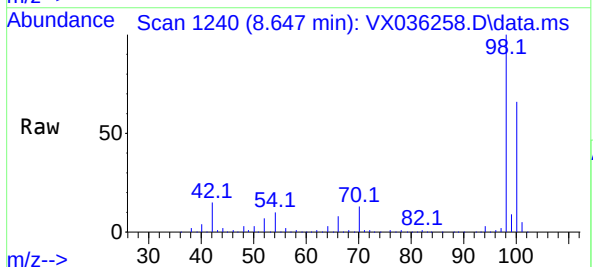


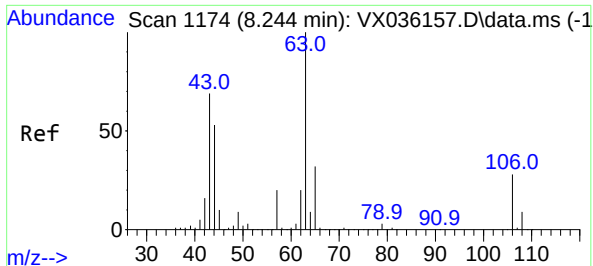
Tgt Ion:117 Resp: 16041  
Ion Ratio Lower Upper  
117 100  
119 5.9 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 44.201 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 98 Resp: 286696  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.1 79.7

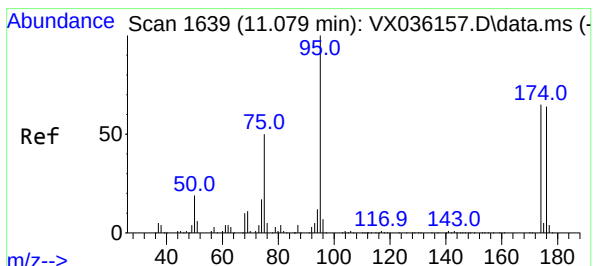
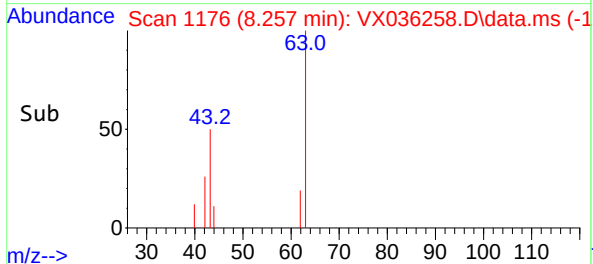
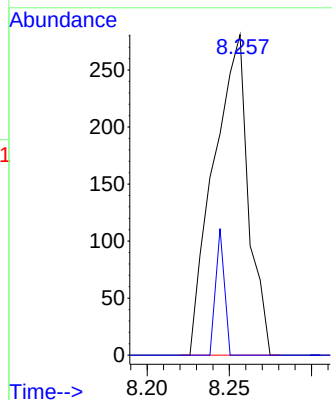
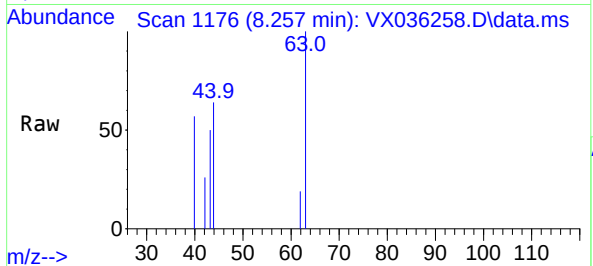




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.261 ug/l  
RT: 8.257 min Scan# 1176  
Delta R.T. 0.013 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

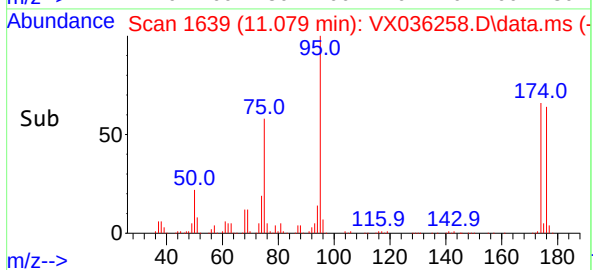
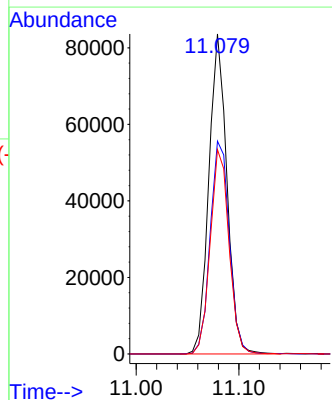
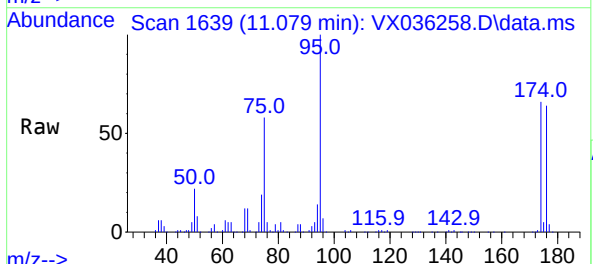
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

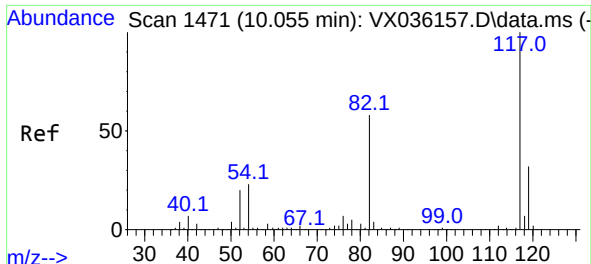
Tgt Ion: 63 Resp: 413  
Ion Ratio Lower Upper  
63 100  
106 9.9 22.5 33.7#



#62  
4-Bromofluorobenzene  
Concen: 39.069 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 95 Resp: 102291  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 135.6  
176 66.3 0.0 131.0

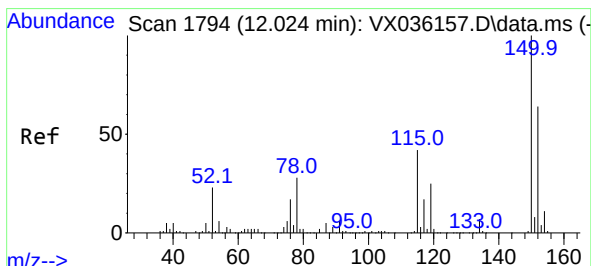
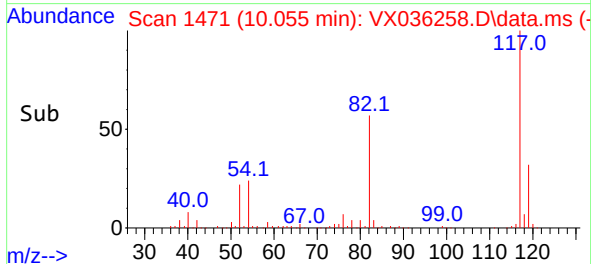
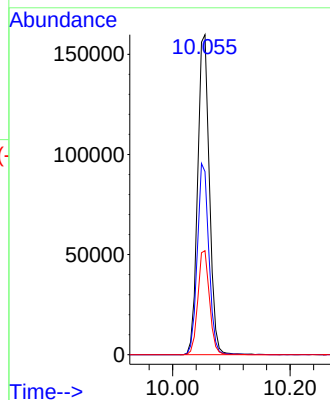
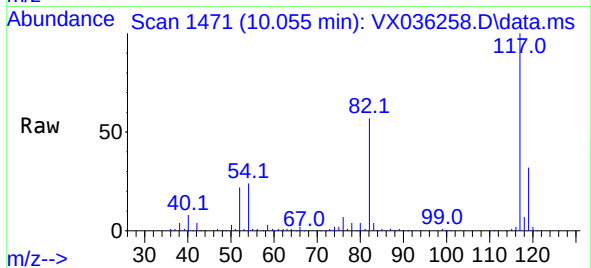




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

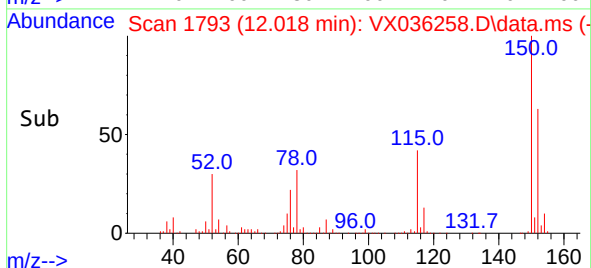
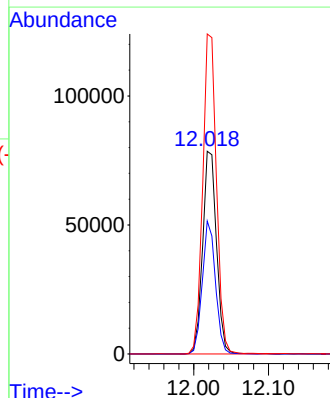
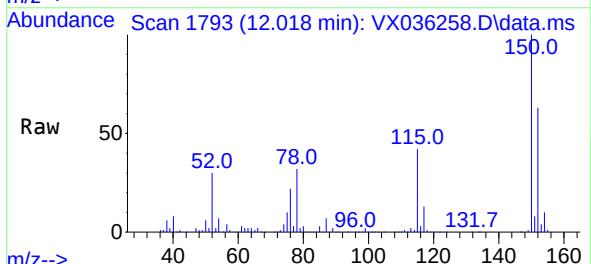
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

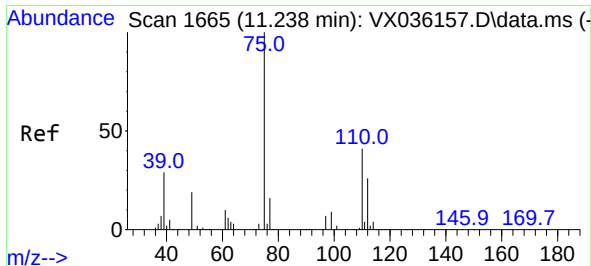
Tgt Ion:117 Resp: 221670  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.2 69.4  
119 32.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion:152 Resp: 101280  
Ion Ratio Lower Upper  
152 100  
115 62.3 43.3 129.9  
150 156.0 0.0 345.0

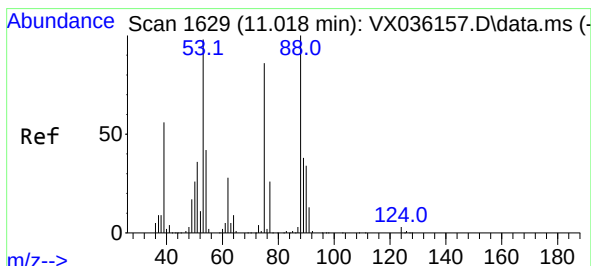
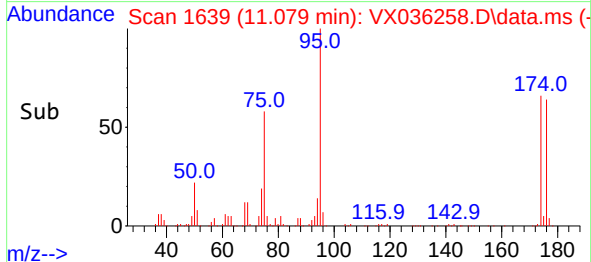
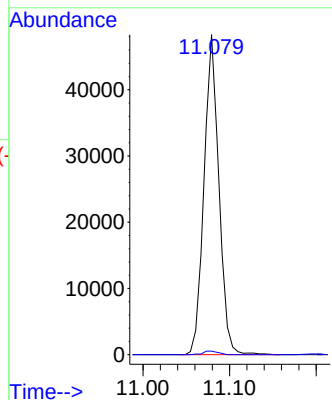
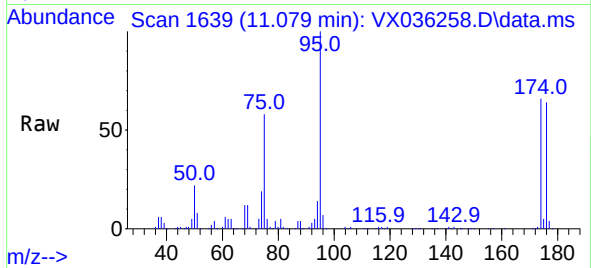




#76  
1,2,3-Trichloropropane  
Concen: 23.975 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

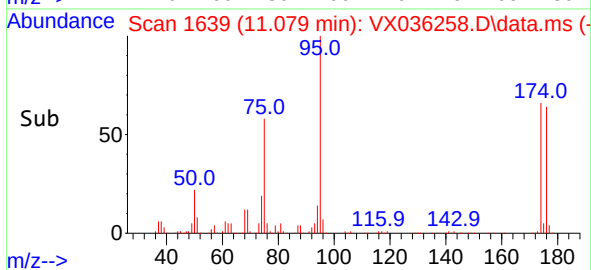
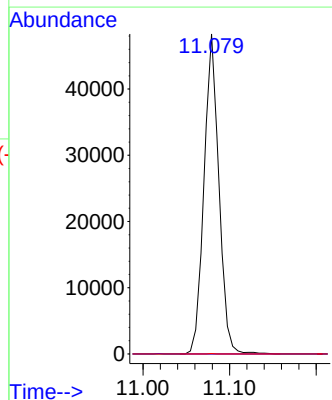
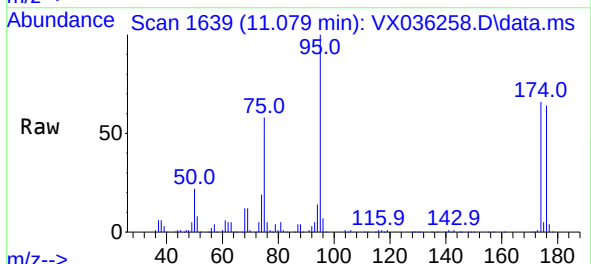
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

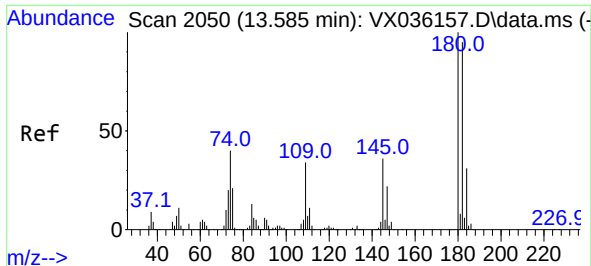
Tgt Ion: 75 Resp: 57628  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.918 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion: 75 Resp: 57628  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.1 36.9 55.3#

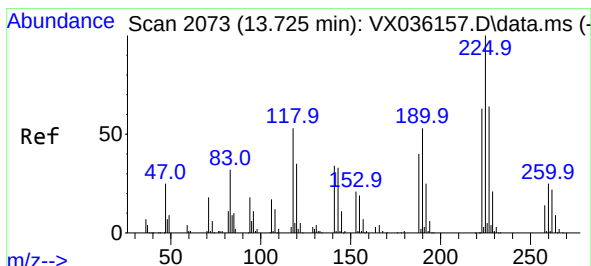
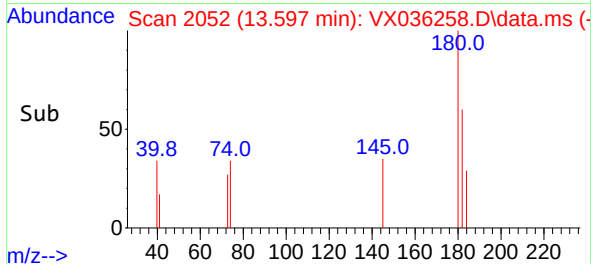
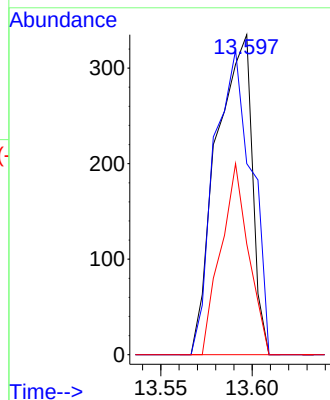
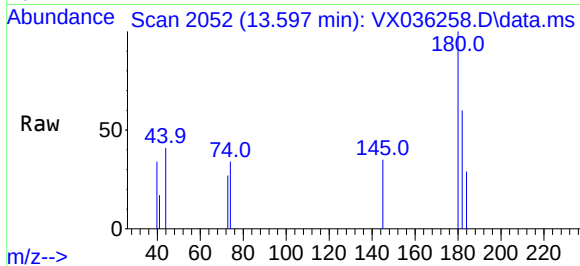




#93  
1,2,4-Trichlorobenzene  
Concen: 0.243 ug/l  
RT: 13.597 min Scan# 2050  
Delta R.T. 0.012 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

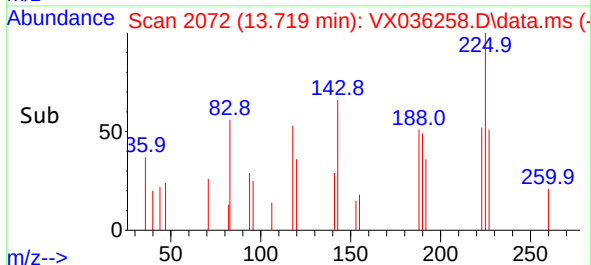
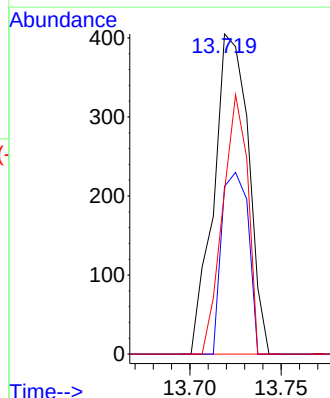
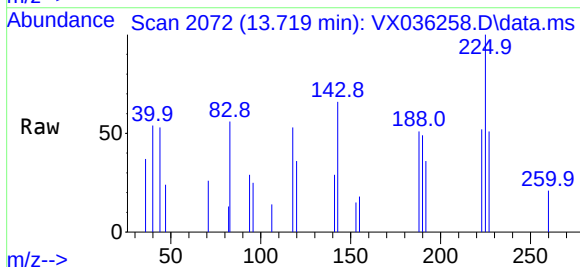
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

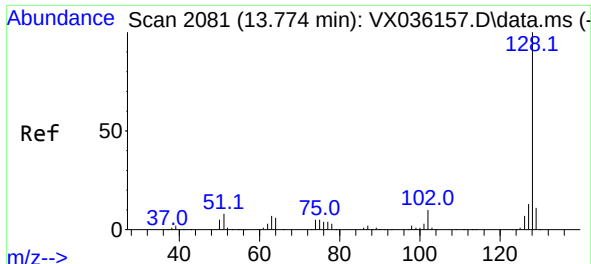
Tgt Ion:180 Resp: 454  
Ion Ratio Lower Upper  
180 100  
182 99.8 48.3 144.8  
145 46.5 18.0 54.0



#94  
Hexachlorobutadiene  
Concen: 0.724 ug/l  
RT: 13.719 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Tgt Ion:225 Resp: 535  
Ion Ratio Lower Upper  
225 100  
223 43.6 31.1 93.2  
227 58.3 32.5 97.5

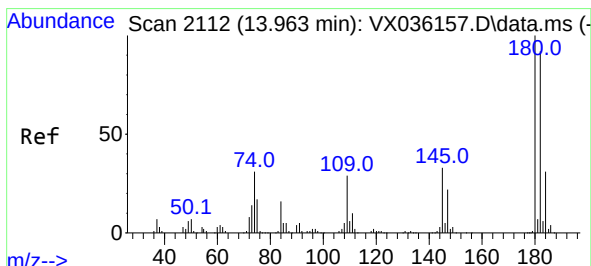
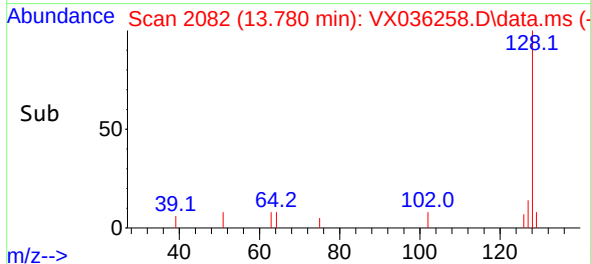
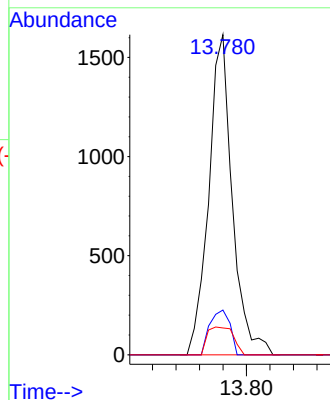
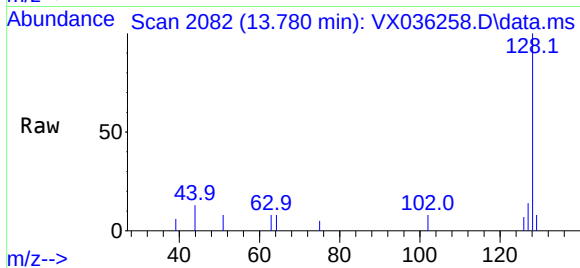




#95  
Naphthalene  
Concen: 0.349 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0621MBL01

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:128 | Resp: | 2246  |       |
| Ion         | Ratio | Lower | Upper |
| 128         | 100   |       |       |
| 127         | 11.9  | 10.3  | 15.5  |
| 129         | 9.5   | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.315 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX036258.D  
Acq: 21 Jun 2023 10:11

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:180 | Resp: | 591   |       |
| Ion         | Ratio | Lower | Upper |
| 180         | 100   |       |       |
| 182         | 94.6  | 46.9  | 140.6 |
| 145         | 39.9  | 17.8  | 53.5  |

