

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX020224\  
 Data File : VX040079.D  
 Acq On : 02 Feb 2024 12:12  
 Operator : JC/MD  
 Sample : P1284-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1142

Quant Time: Feb 03 02:13:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 01 05:44:39 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 87612    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 159775   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 150113   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 75611    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 67375    | 47.784   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 95.560% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 51824    | 47.648   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.300% |
| 50) Toluene-d8              | 8.647  | 98    | 193161   | 47.489   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 94.980% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 76734    | 48.994   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 97.980% |

|                               |        |     |        |         |        |    |
|-------------------------------|--------|-----|--------|---------|--------|----|
| Target Compounds              |        |     |        | Qvalue  |        |    |
| 3) Chloromethane              | 1.300  | 50  | 199    | 0.213   | ug/l # | 69 |
| 10) Methyl Iodide             | 2.453  | 142 | 226    | 0.207   | ug/l # | 90 |
| 11) Tert butyl alcohol        | 2.959  | 59  | 18867  | 73.744  | ug/l # | 89 |
| 13) Acrolein                  | 2.239  | 56  | 79348  | 323.708 | ug/l   | 99 |
| 14) Allyl chloride            | 2.636  | 41  | 1150   | 0.647   | ug/l # | 47 |
| 15) Acrylonitrile             | 3.075  | 53  | 413    | 0.644   | ug/l # | 78 |
| 16) Acetone                   | 2.380  | 43  | 351350 | 531.821 | ug/l # | 83 |
| 17) Carbon Disulfide          | 2.508  | 76  | 1324   | 0.460   | ug/l # | 76 |
| 18) Methyl Acetate            | 2.703  | 43  | 8571   | 5.476   | ug/l   | 99 |
| 20) Methylene Chloride        | 2.782  | 84  | 783    | 0.667   | ug/l   | 89 |
| 22) Diisopropyl ether         | 3.891  | 45  | 93770  | 27.254  | ug/l # | 1  |
| 23) Vinyl Acetate             | 3.891  | 43  | 240229 | 78.017  | ug/l # | 73 |
| 25) 2-Butanone                | 4.556  | 43  | 133877 | 145.776 | ug/l   | 94 |
| 29) Tetrahydrofuran           | 5.013  | 42  | 814    | 1.394   | ug/l # | 49 |
| 31) Cyclohexane               | 5.544  | 56  | 2739   | 1.551   | ug/l # | 48 |
| 36) 1,1-Dichloropropene       | 5.550  | 75  | 8264   | 5.254   | ug/l # | 51 |
| 37) Ethyl Acetate             | 4.556  | 43  | 133395 | 77.651  | ug/l # | 69 |
| 38) Carbon Tetrachloride      | 5.556  | 117 | 10153  | 6.746   | ug/l # | 15 |
| 41) Methacrylonitrile         | 4.928  | 41  | 217    | 0.249   | ug/l # | 49 |
| 43) Isopropyl Acetate         | 6.354  | 43  | 1383   | 0.511   | ug/l # | 62 |
| 48) Methyl methacrylate       | 7.732  | 41  | 323    | 0.242   | ug/l # | 16 |
| 49) 1,4-Dioxane               | 7.671  | 88  | 738    | 25.449  | ug/l # | 17 |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43  | 16863  | 9.119   | ug/l   | 95 |
| 52) Toluene                   | 8.720  | 92  | 2598   | 0.910   | ug/l   | 88 |
| 59) 2-Hexanone                | 9.433  | 43  | 5279   | 3.580   | ug/l   | 95 |
| 68) m/p-Xylenes               | 10.299 | 106 | 1100   | 0.525   | ug/l   | 94 |
| 69) o-Xylene                  | 10.646 | 106 | 431    | 0.217   | ug/l   | 97 |
| 70) Styrene                   | 10.659 | 104 | 858    | 0.256   | ug/l # | 82 |
| 74) N-amyl acetate            | 10.768 | 43  | 41878  | 16.920  | ug/l # | 56 |
| 75) 1,1,2,2-Tetrachloroethane | 11.152 | 83  | 80149  | 39.264  | ug/l # | 33 |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75  | 41843  | 25.987  | ug/l # | 39 |
| 79) 2-Chlorotoluene           | 11.457 | 91  | 815    | 0.203   | ug/l   | 95 |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75  | 41843  | 76.355  | ug/l # | 5  |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105 | 2617   | 0.562   | ug/l # | 64 |
| 86) p-Isopropyltoluene        | 12.006 | 119 | 1299   | 0.269   | ug/l # | 66 |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146 | 642    | 0.254   | ug/l # | 1  |

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Operator : JC/MD  
Sample : P1284-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

Quant Time: Feb 03 02:13:24 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X013024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 01 05:44:39 2024  
Response via : Initial Calibration

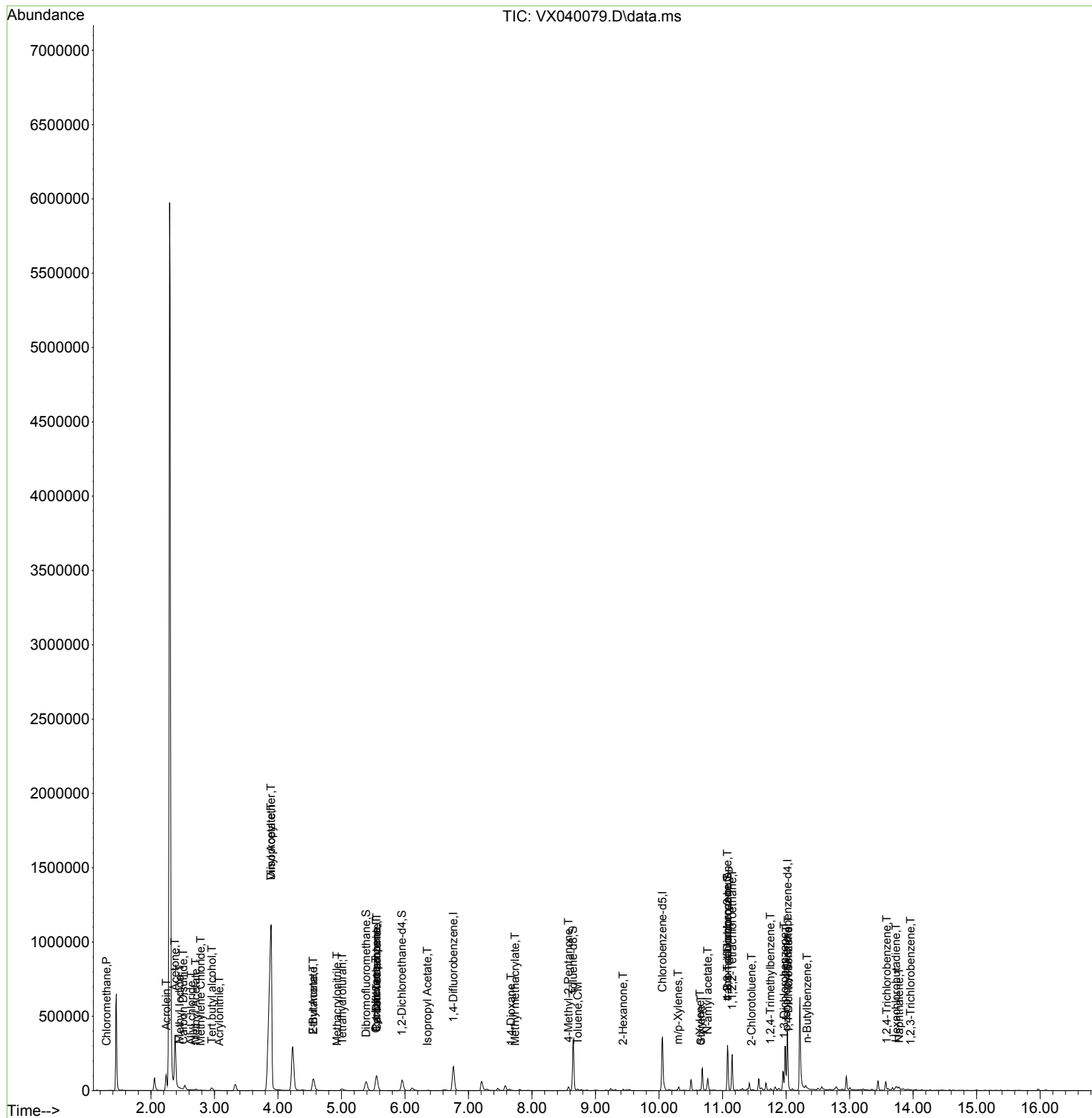
| Compound                   | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|----------------------------|--------|------|----------|-----------|--------|----------|
| 88) 1,4-Dichlorobenzene    | 12.036 | 146  | 769      | 0.297     | ug/l # | 33       |
| 89) n-Butylbenzene         | 12.329 | 91   | 2146     | 0.458     | ug/l   | 79       |
| 90) Hexachloroethane       | 12.408 | 117  | 28       | Below Cal | #      | 17       |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180  | 656      | 0.431     | ug/l   | 86       |
| 94) Hexachlorobutadiene    | 13.731 | 225  | 353      | 0.588     | ug/l   | 94       |
| 95) Naphthalene            | 13.780 | 128  | 4649     | 0.899     | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180  | 631      | 0.419     | ug/l   | 96       |

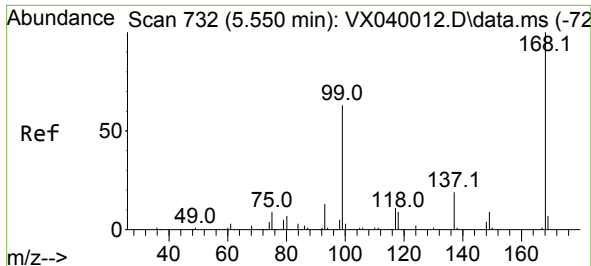
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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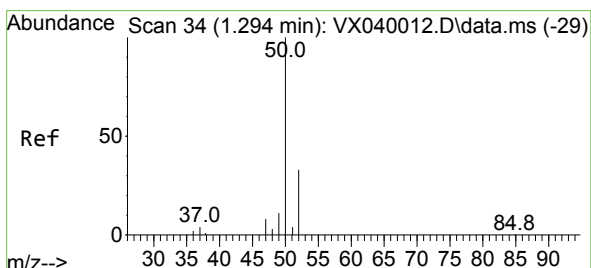
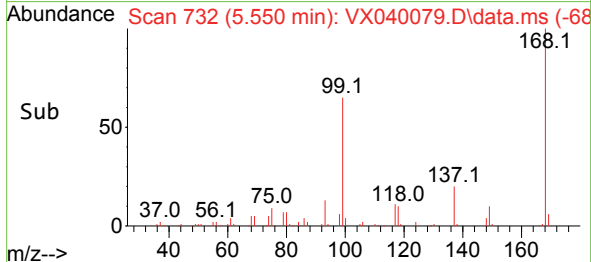
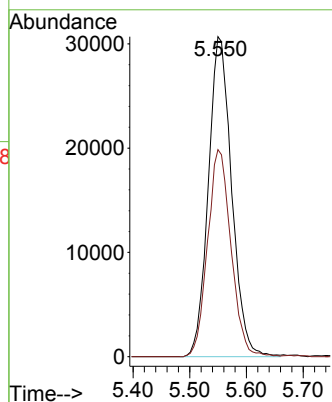
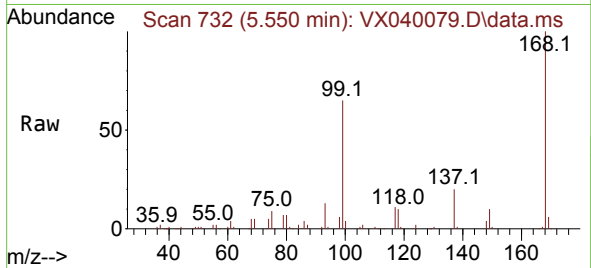




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

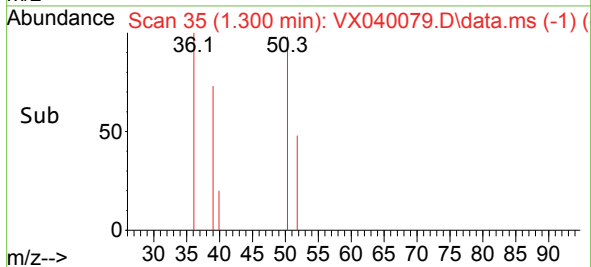
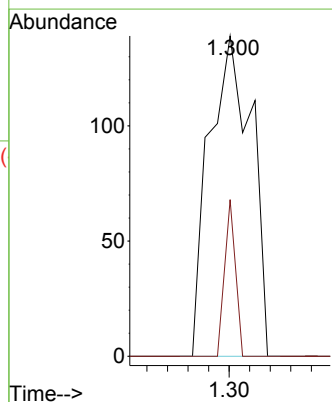
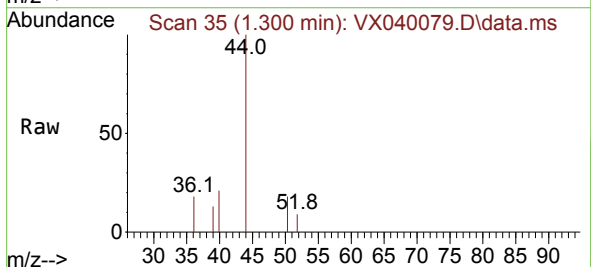
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

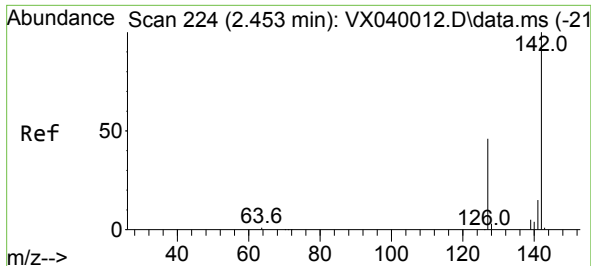
Tgt Ion:168 Resp: 87612  
Ion Ratio Lower Upper  
168 100  
99 64.7 56.6 85.0



#3  
Chloromethane  
Concen: 0.213 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 50 Resp: 199  
Ion Ratio Lower Upper  
50 100  
52 48.9 25.5 38.3#

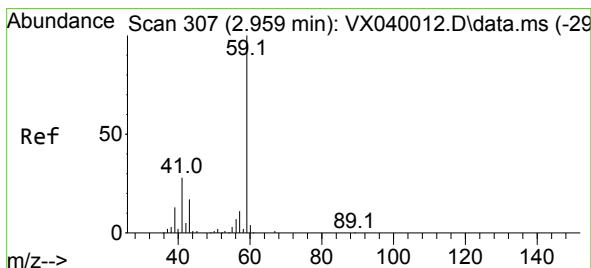
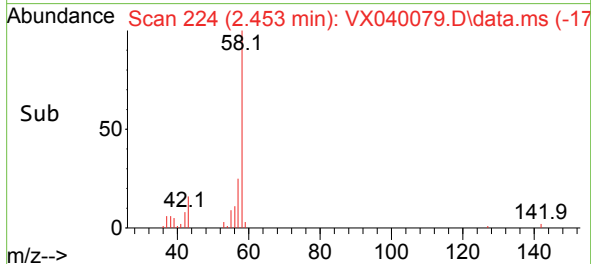
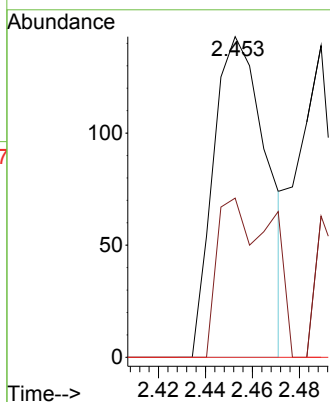
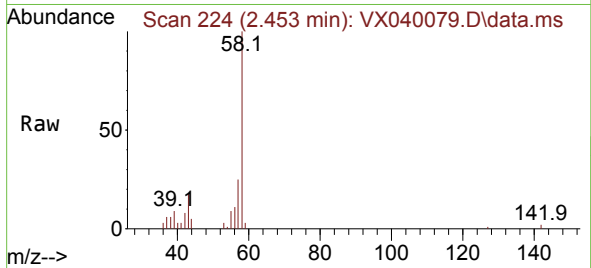




#10  
Methyl Iodide  
Concen: 0.207 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

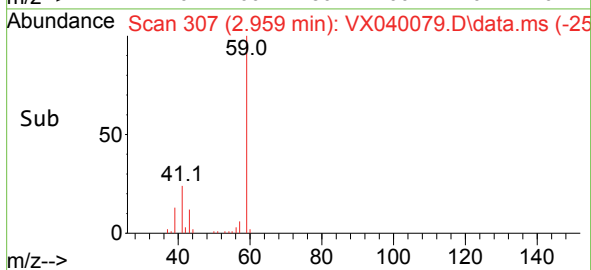
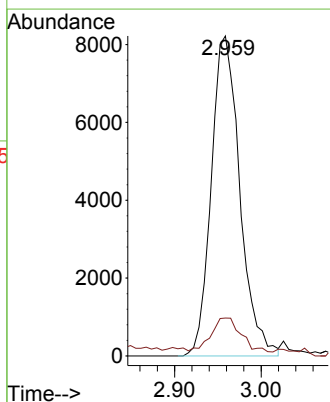
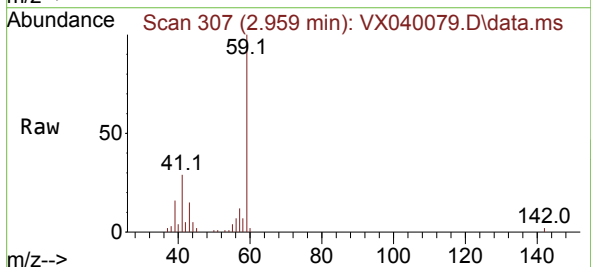
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

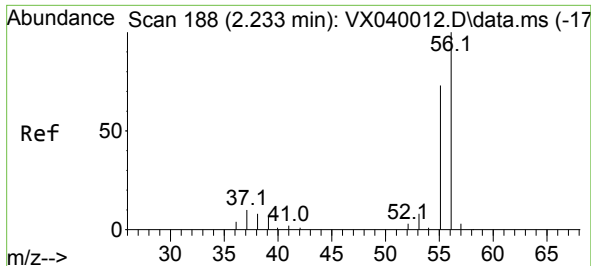
Tgt Ion:142 Resp: 226  
Ion Ratio Lower Upper  
142 100  
127 50.0 41.6 62.4  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 73.744 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

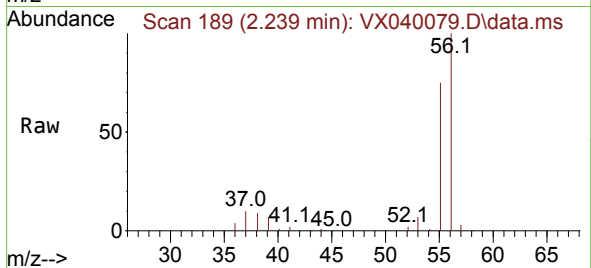
Tgt Ion: 59 Resp: 18867  
Ion Ratio Lower Upper  
59 100  
57 11.5 6.0 9.0#



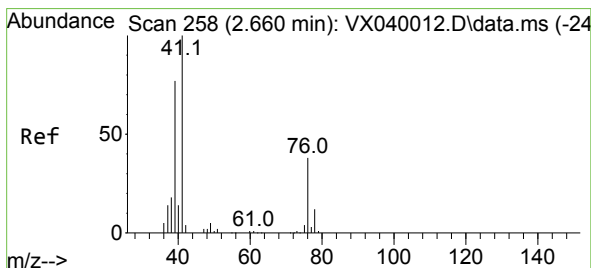
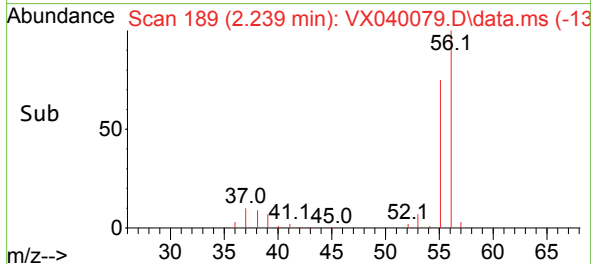
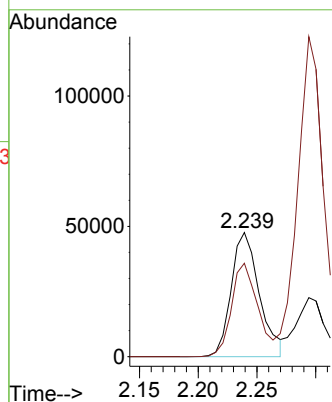


#13  
Acrolein  
Concen: 323.708 ug/l  
RT: 2.239 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Instrument :  
MSVOA\_X  
ClientSampleId :

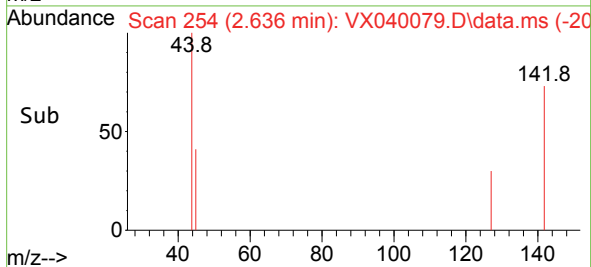
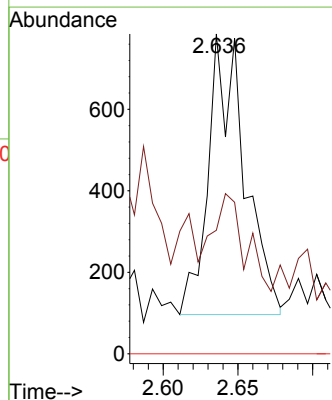
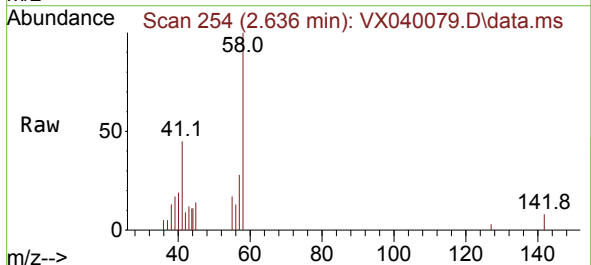


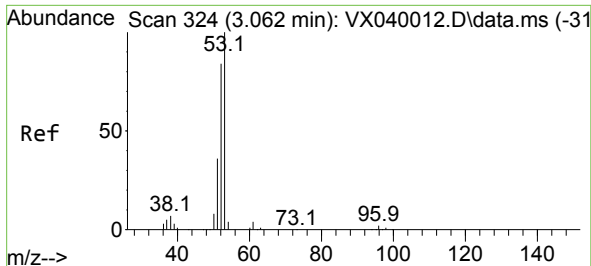
Tgt Ion: 56 Resp: 79348  
Ion Ratio Lower Upper  
56 100  
55 70.3 57.1 85.7



#14  
Allyl chloride  
Concen: 0.647 ug/l  
RT: 2.636 min Scan# 254  
Delta R.T. -0.024 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 41 Resp: 1150  
Ion Ratio Lower Upper  
41 100  
39 26.8 55.8 83.6#  
76 0.0 24.3 36.5#





#15

Acrylonitrile

Concen: 0.644 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

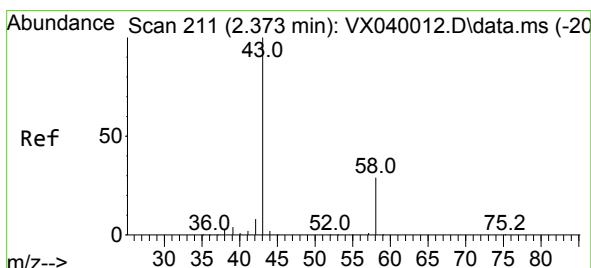
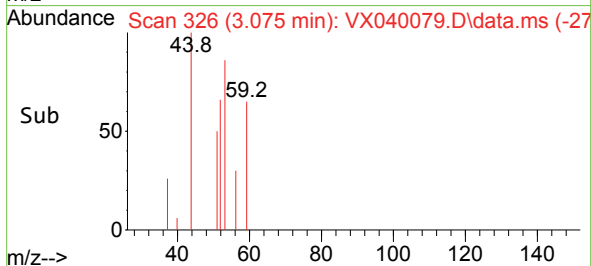
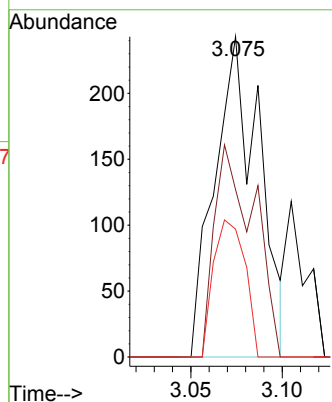
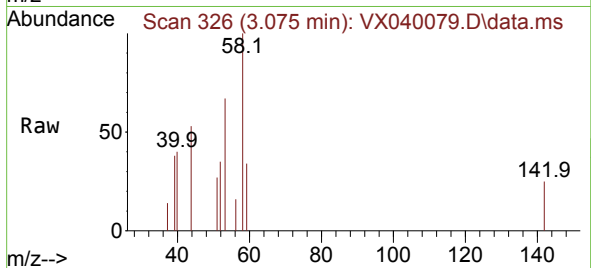
Tgt Ion: 53 Resp: 413

Ion Ratio Lower Upper

53 100

52 59.1 66.0 99.0#

51 30.3 29.8 44.6



#16

Acetone

Concen: 531.821 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX040079.D

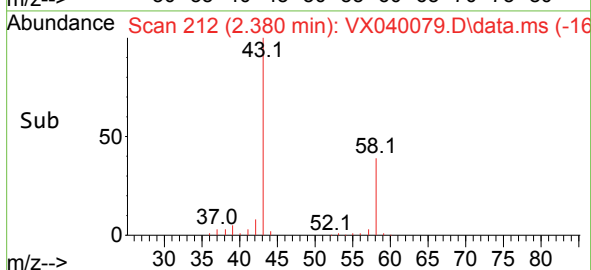
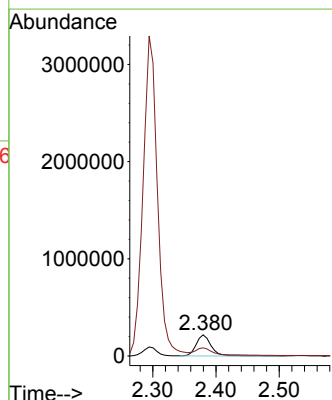
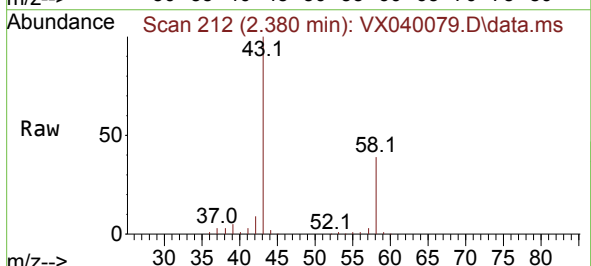
Acq: 02 Feb 2024 12:12

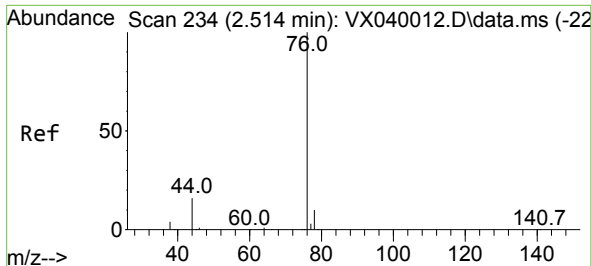
Tgt Ion: 43 Resp: 351350

Ion Ratio Lower Upper

43 100

58 36.5 21.9 32.9#

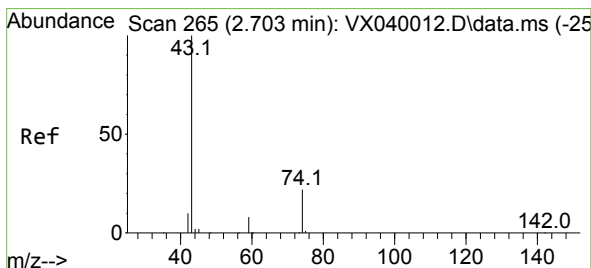
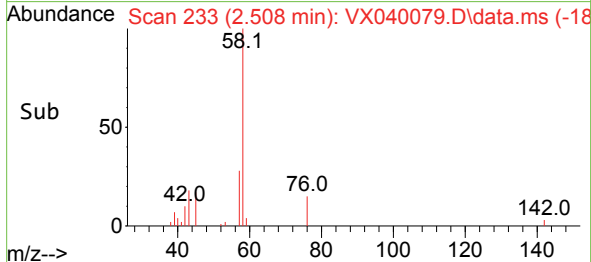
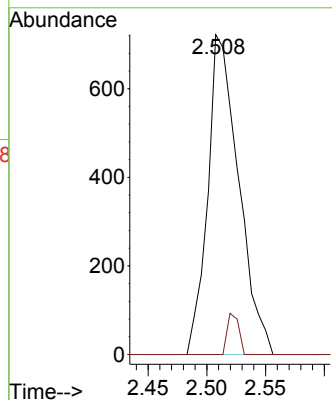
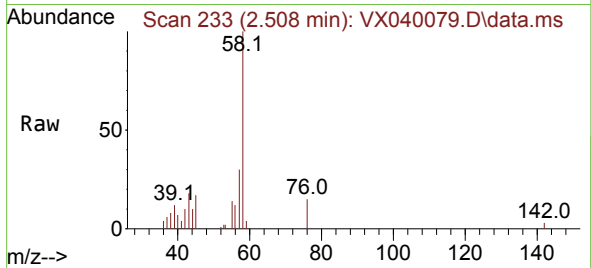




#17  
Carbon Disulfide  
Concen: 0.460 ug/l  
RT: 2.508 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

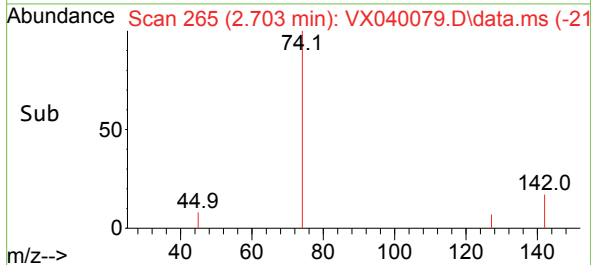
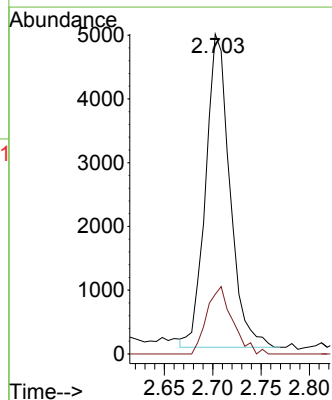
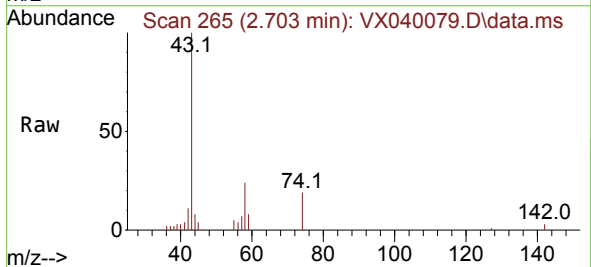
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

Tgt Ion: 76 Resp: 1324  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#

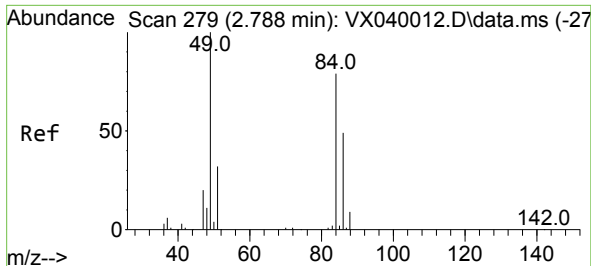


#18  
Methyl Acetate  
Concen: 5.476 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 43 Resp: 8571  
Ion Ratio Lower Upper  
43 100  
74 22.6 17.8 26.8



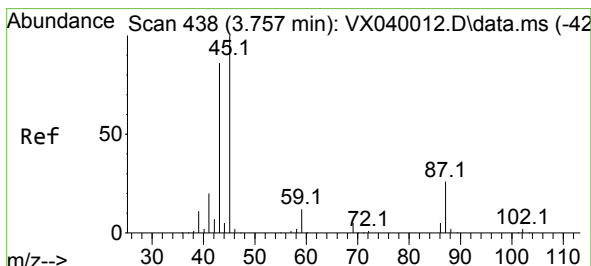
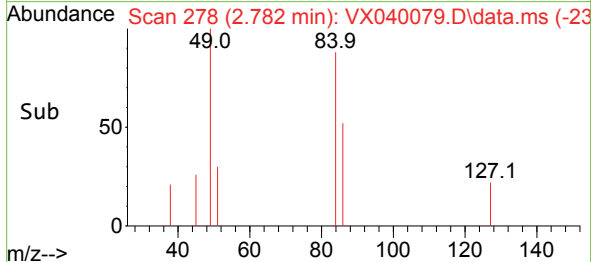
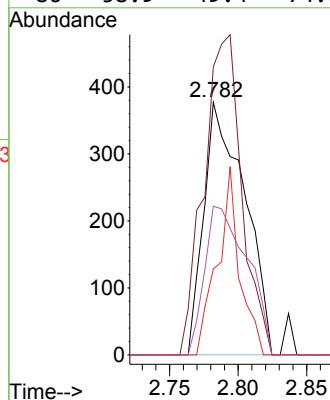
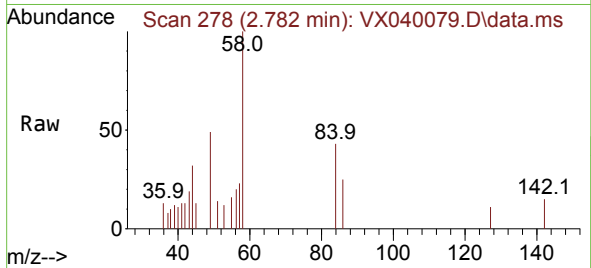




#20  
Methylene Chloride  
Concen: 0.667 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

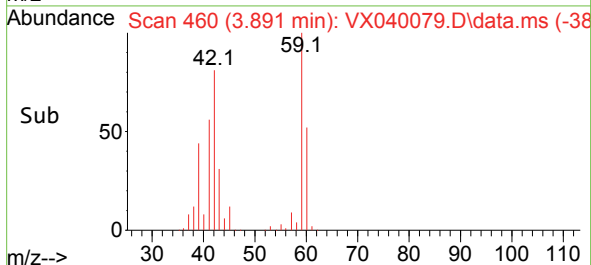
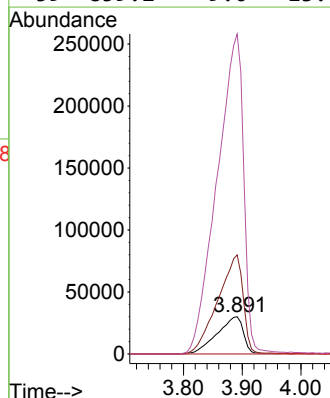
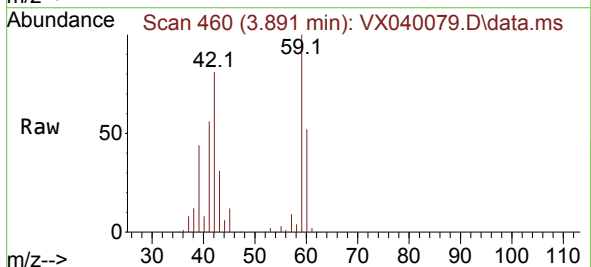
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

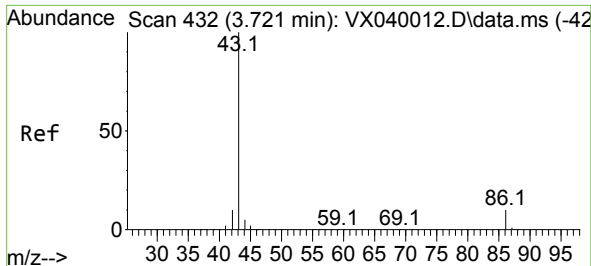
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 783   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 114.1 | 103.6 | 155.4 |
| 51       | 34.0  | 33.8  | 50.6  |
| 86       | 58.9  | 49.4  | 74.0  |



#22  
Diisopropyl ether  
Concen: 27.254 ug/l  
RT: 3.891 min Scan# 460  
Delta R.T. 0.134 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 93770  |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 265.7 | 69.7  | 104.5# |
| 87       | 0.0   | 20.8  | 31.2#  |
| 59       | 859.2 | 9.0   | 13.4#  |

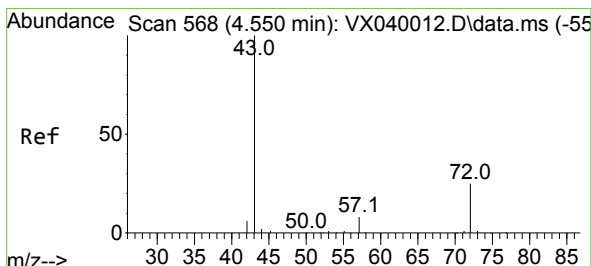
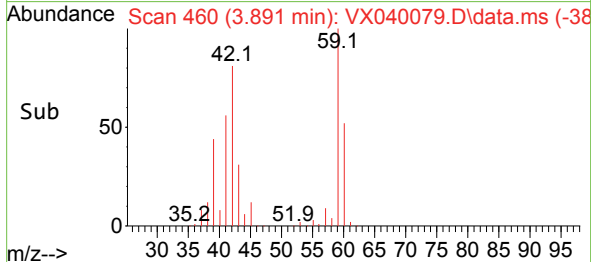
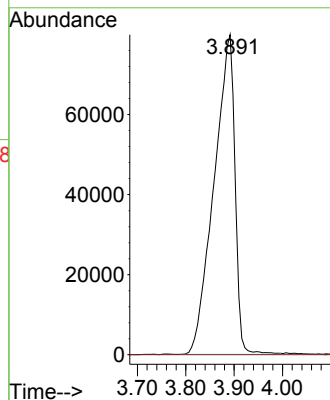
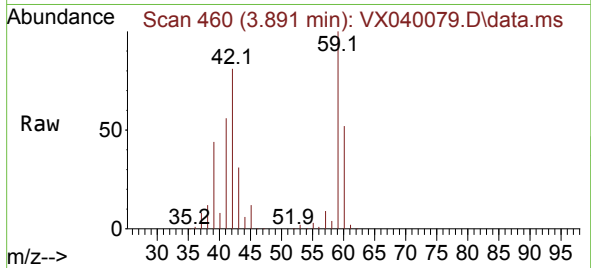




#23  
 Vinyl Acetate  
 Concen: 78.017 ug/l  
 RT: 3.891 min Scan# 411  
 Delta R.T. 0.171 min  
 Lab File: VX040079.D  
 Acq: 02 Feb 2024 12:12

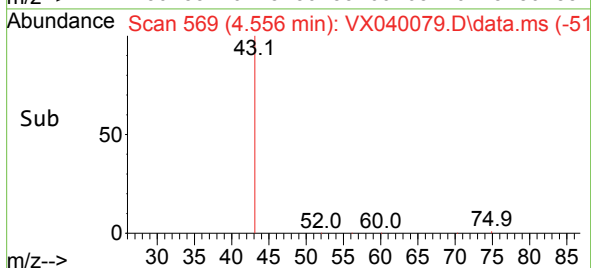
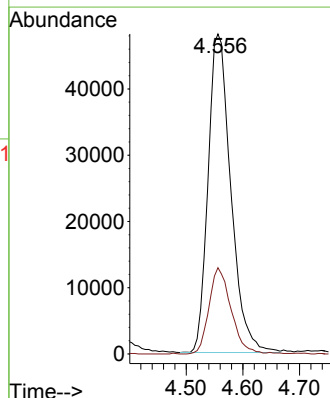
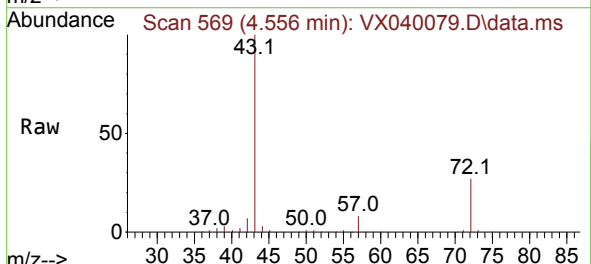
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1142

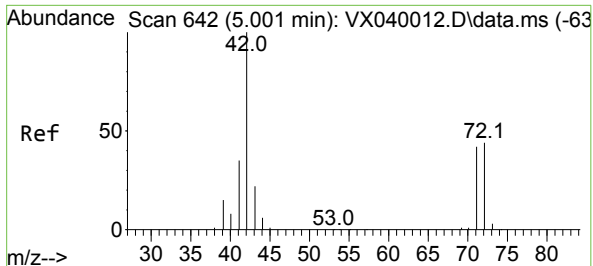
Tgt Ion: 43 Resp: 240229  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.8 11.8#



#25  
 2-Butanone  
 Concen: 145.776 ug/l  
 RT: 4.556 min Scan# 569  
 Delta R.T. 0.006 min  
 Lab File: VX040079.D  
 Acq: 02 Feb 2024 12:12

Tgt Ion: 43 Resp: 133877  
 Ion Ratio Lower Upper  
 43 100  
 72 27.1 19.4 29.2





#29

Tetrahydrofuran

Concen: 1.394 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

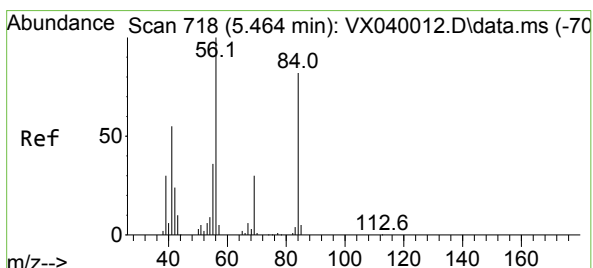
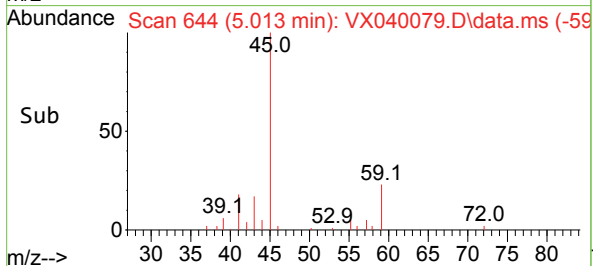
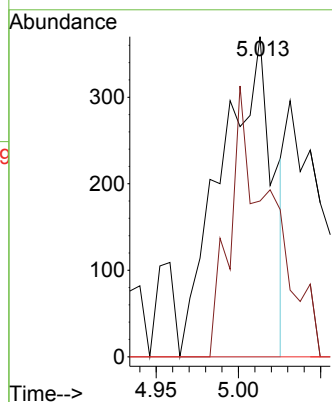
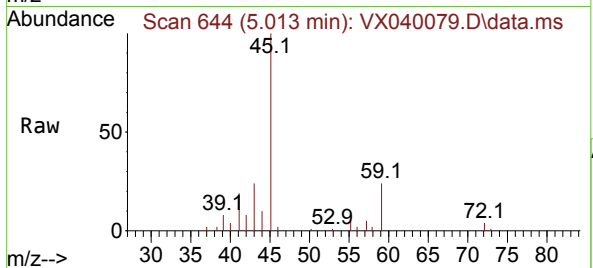
Tgt Ion: 42 Resp: 814

Ion Ratio Lower Upper

42 100

72 67.2 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.551 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

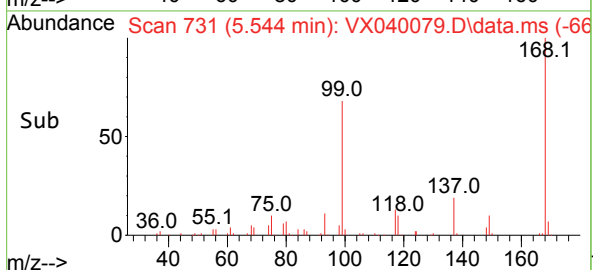
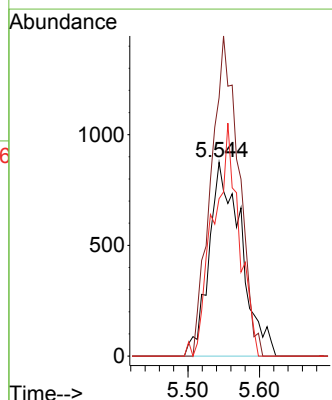
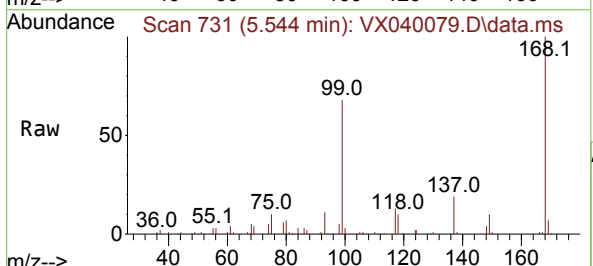
Tgt Ion: 56 Resp: 2739

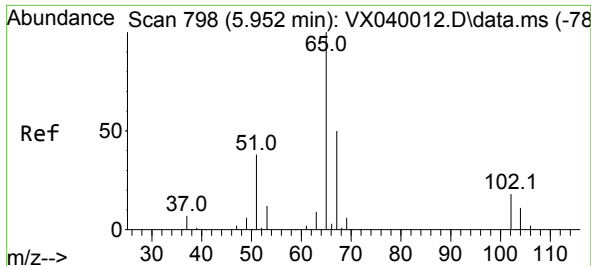
Ion Ratio Lower Upper

56 100

69 133.4 23.4 35.2#

84 81.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 47.784 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

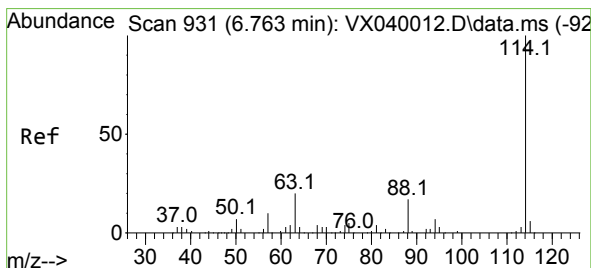
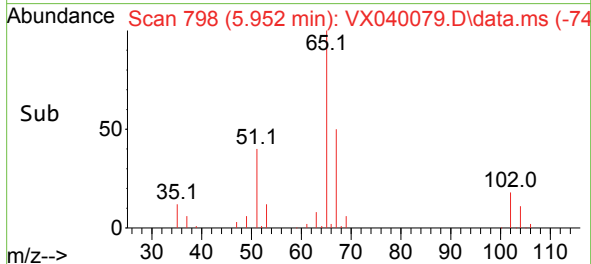
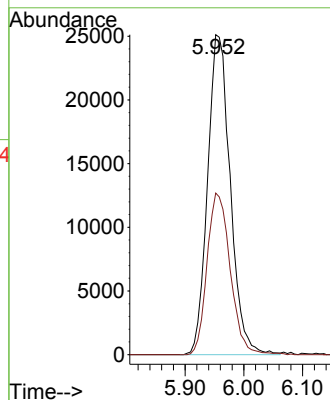
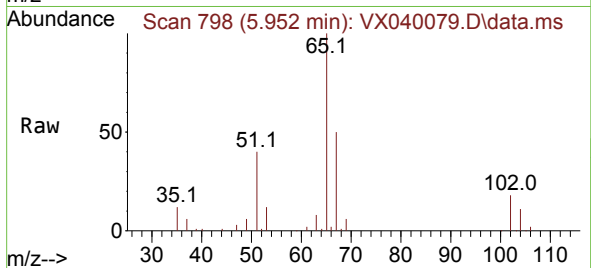
1142

Tgt Ion: 65 Resp: 67375

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

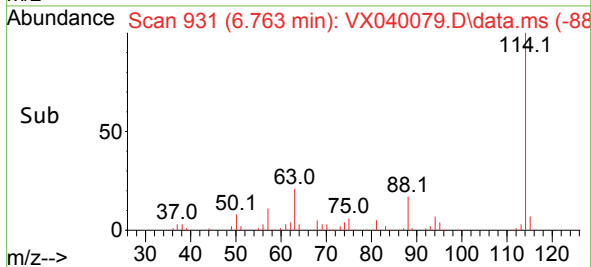
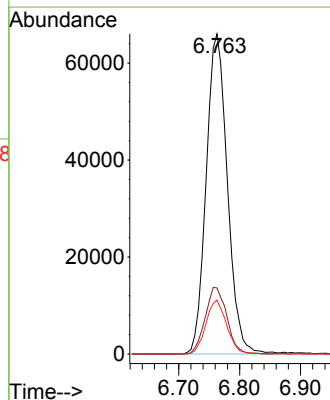
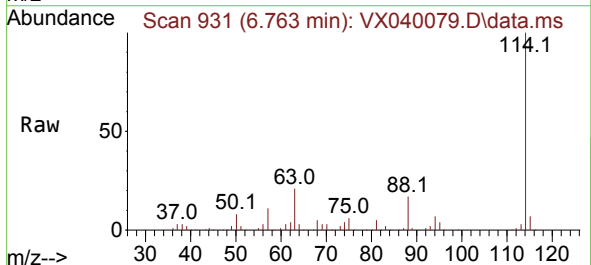
Tgt Ion: 114 Resp: 159775

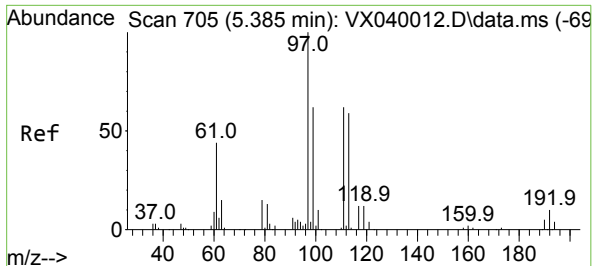
Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.0

88 16.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.648 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX040079.D

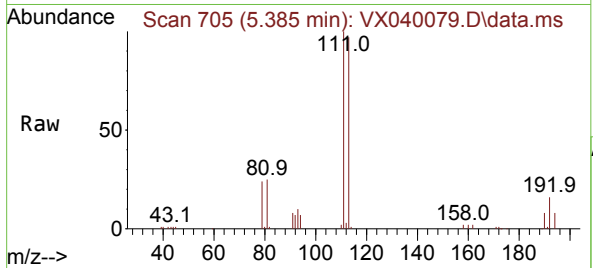
Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142



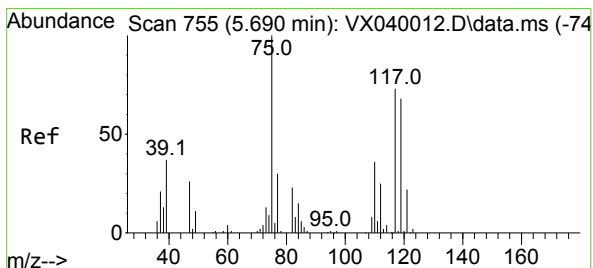
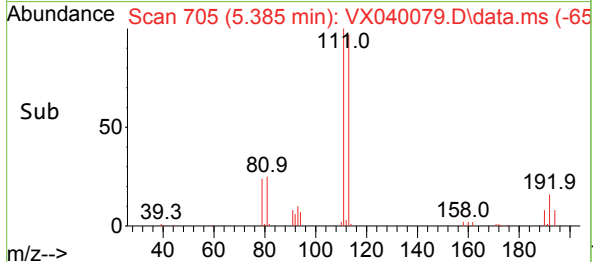
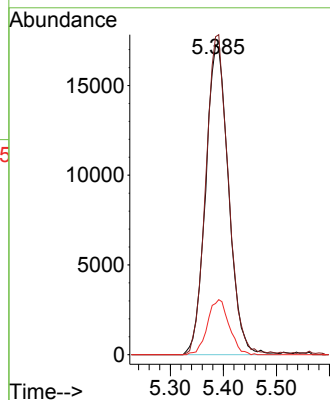
Tgt Ion:113 Resp: 51824

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

192 16.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.254 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

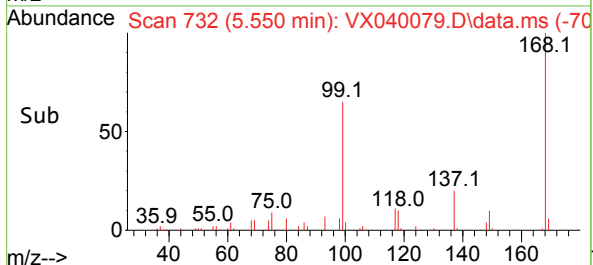
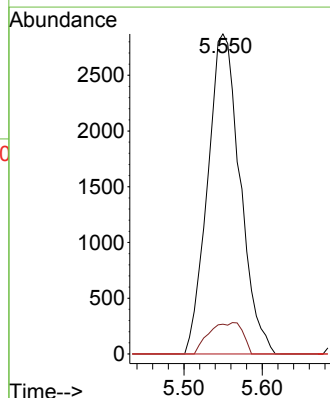
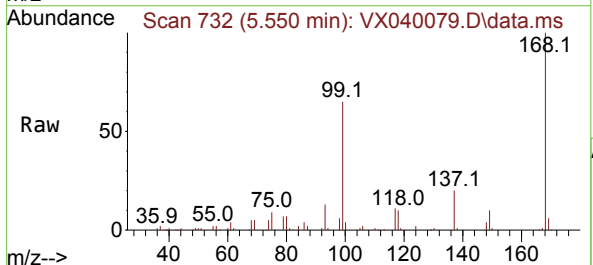
Tgt Ion: 75 Resp: 8264

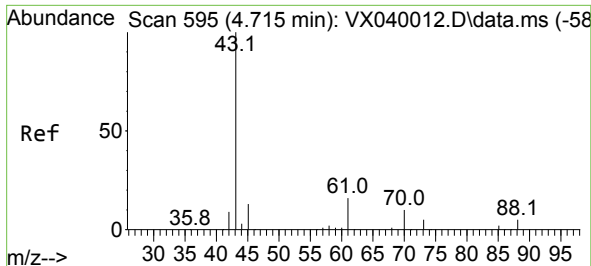
Ion Ratio Lower Upper

75 100

110 10.2 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 77.651 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.159 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

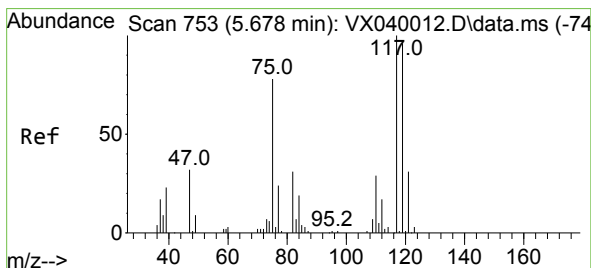
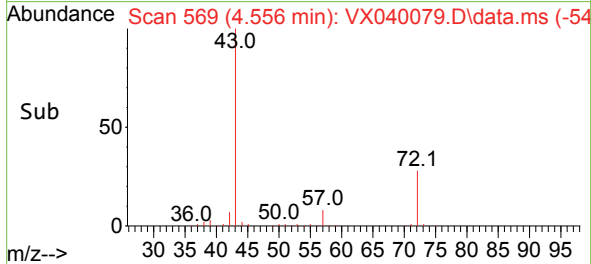
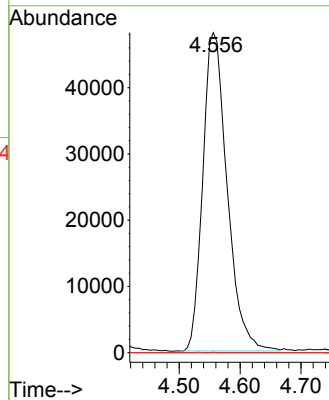
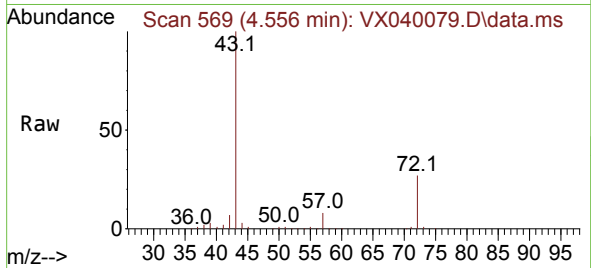
Tgt Ion: 43 Resp: 133395

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.746 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

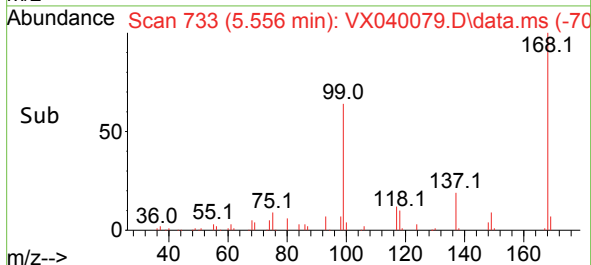
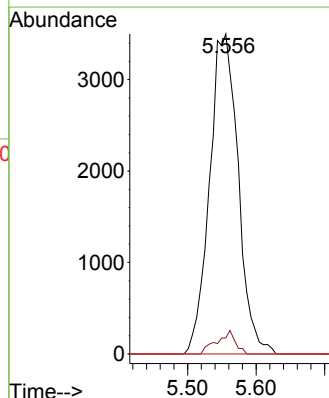
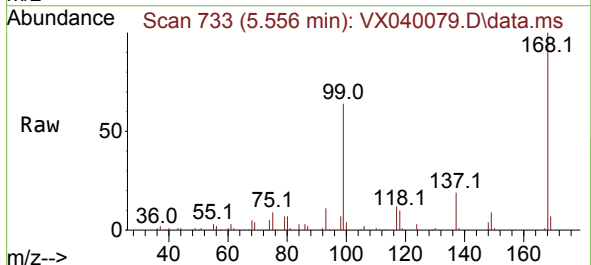
Tgt Ion: 117 Resp: 10153

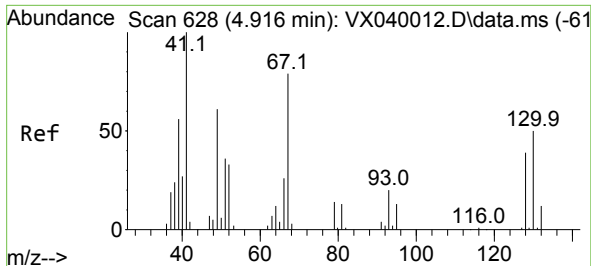
Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#

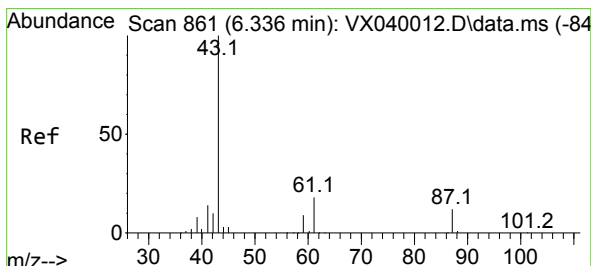
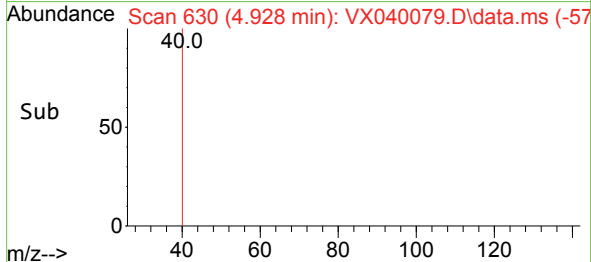
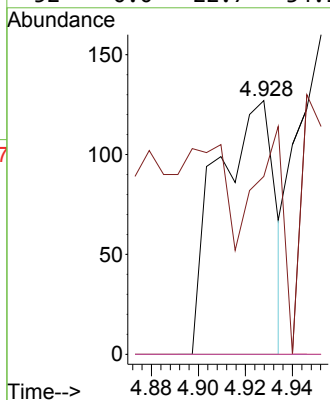
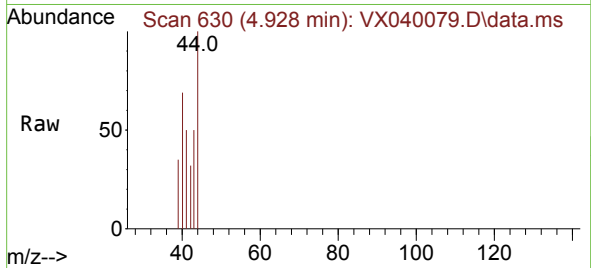




#41  
Methacrylonitrile  
Concen: 0.249 ug/l  
RT: 4.928 min Scan# 611  
Delta R.T. 0.012 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

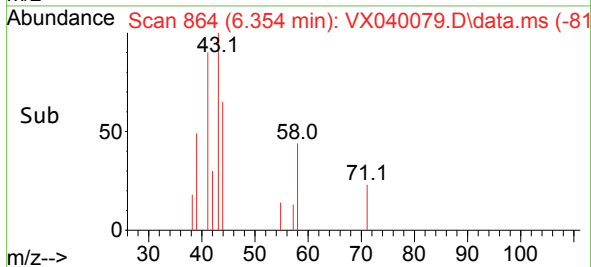
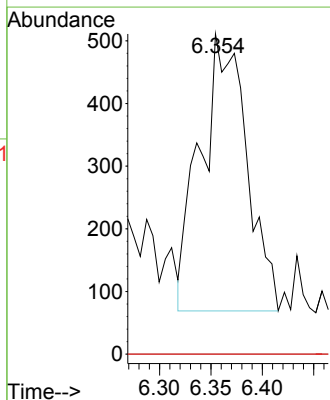
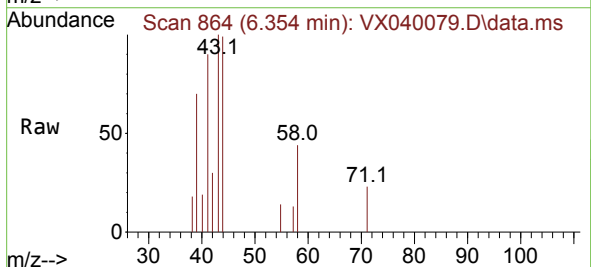
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

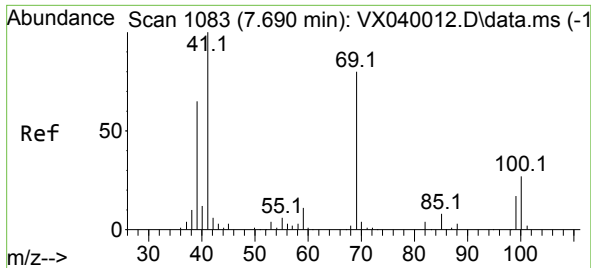
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 217   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 47.9  | 45.2  | 67.8  |
| 67       | 0.0   | 52.6  | 78.8# |
| 52       | 0.0   | 22.7  | 34.1# |



#43  
Isopropyl Acetate  
Concen: 0.511 ug/l  
RT: 6.354 min Scan# 864  
Delta R.T. 0.018 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1383  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 15.2  | 22.8# |
| 87       | 0.0   | 9.8   | 14.6# |





#48

Methyl methacrylate

Concen: 0.242 ug/l

RT: 7.732 min Scan# 1090

Delta R.T. 0.043 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

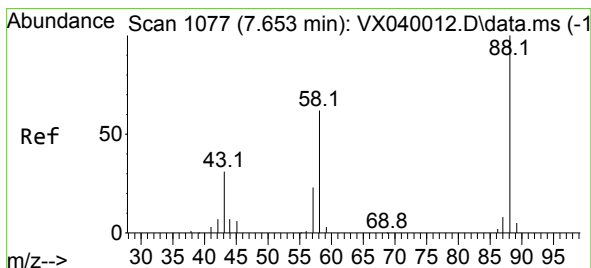
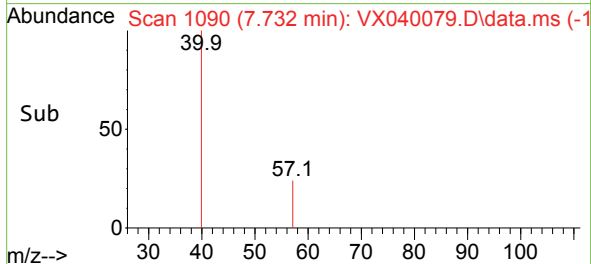
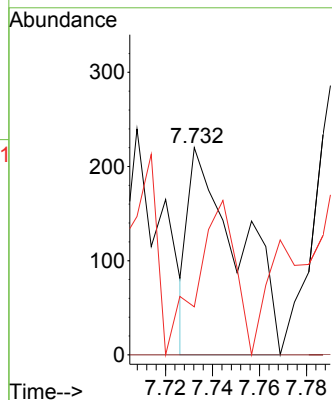
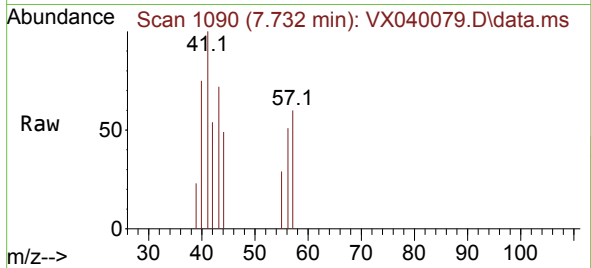
Tgt Ion: 41 Resp: 323

Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 0.0 47.7 71.5#



#49

1,4-Dioxane

Concen: 25.449 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

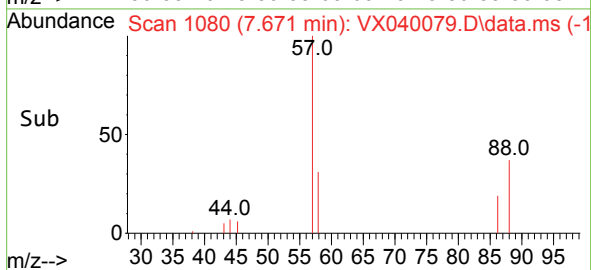
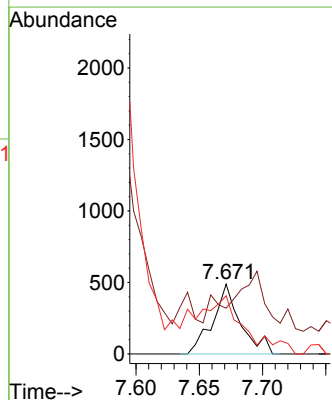
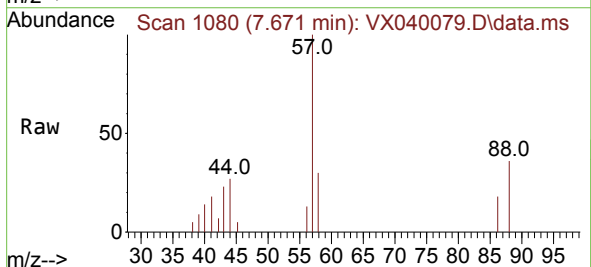
Tgt Ion: 88 Resp: 738

Ion Ratio Lower Upper

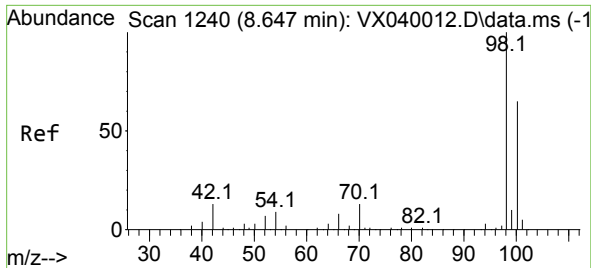
88 100

43 0.0 0.0 0.0

58 146.2 60.1 90.1#



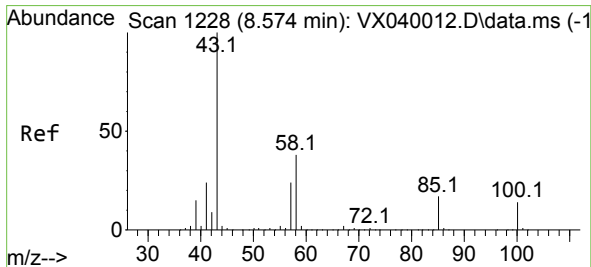
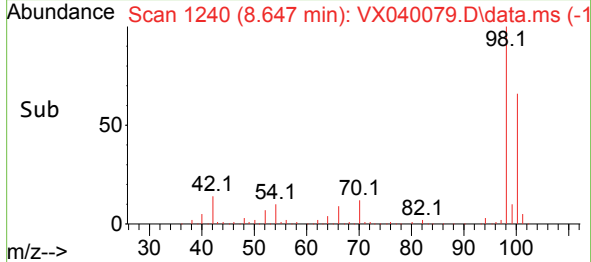
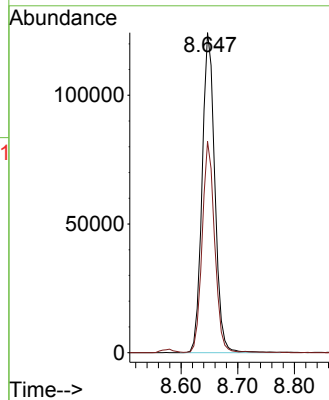
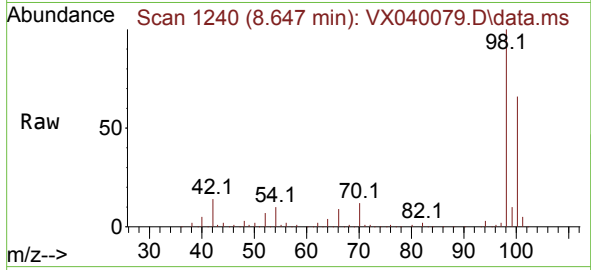




#50  
Toluene-d8  
Concen: 47.489 ug/l  
RT: 8.647 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

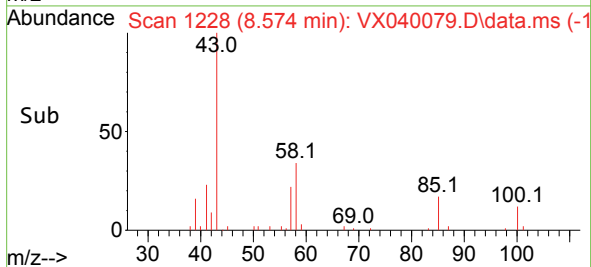
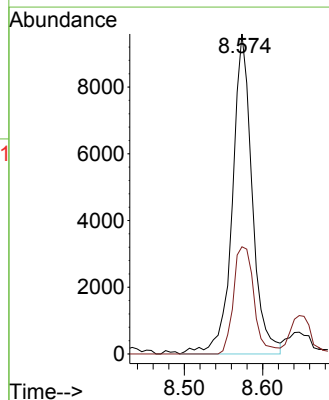
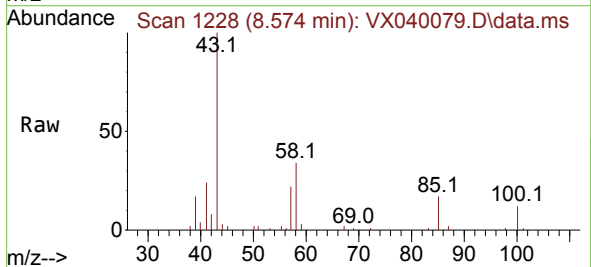
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

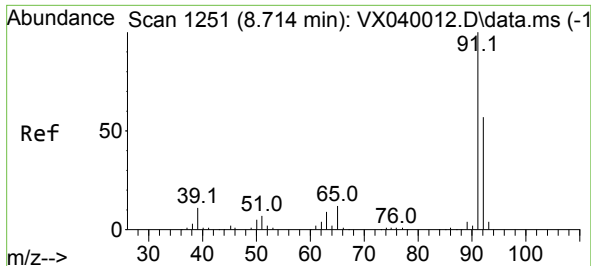
Tgt Ion: 98 Resp: 193161  
Ion Ratio Lower Upper  
98 100  
100 64.6 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 9.119 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 43 Resp: 16863  
Ion Ratio Lower Upper  
43 100  
58 34.9 30.4 45.6

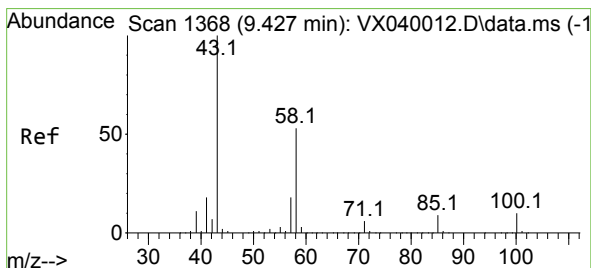
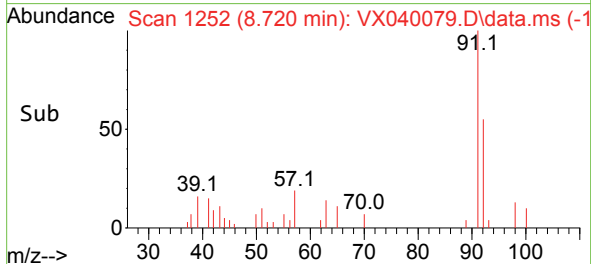
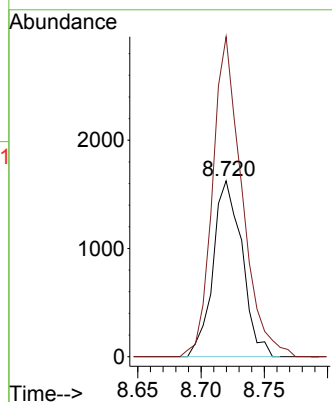
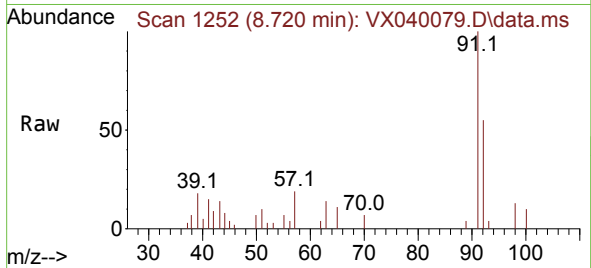




#52  
Toluene  
Concen: 0.910 ug/l  
RT: 8.720 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

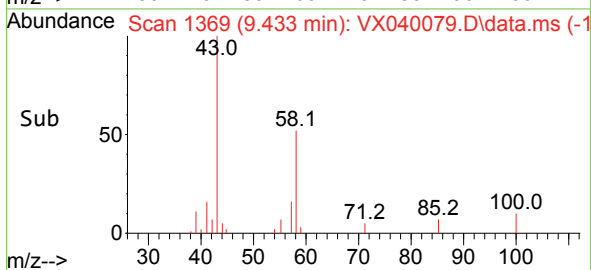
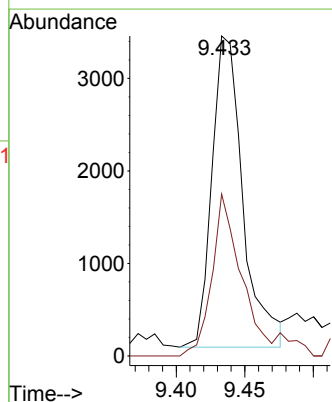
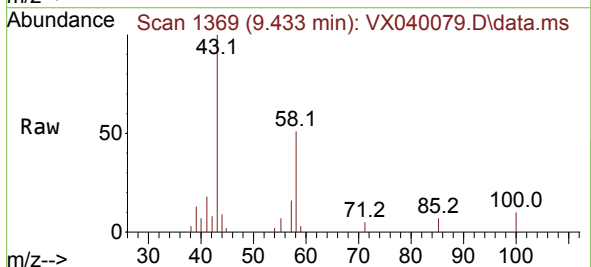
Instrument :  
MSVOA\_X  
ClientSampleId :

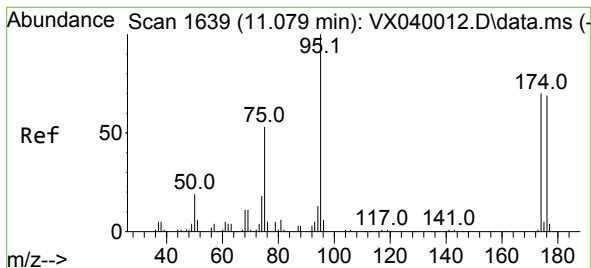
Tgt Ion: 92 Resp: 2598  
Ion Ratio Lower Upper  
92 100  
91 183.9 134.2 201.2



#59  
2-Hexanone  
Concen: 3.580 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 43 Resp: 5279  
Ion Ratio Lower Upper  
43 100  
58 49.0 26.2 78.5

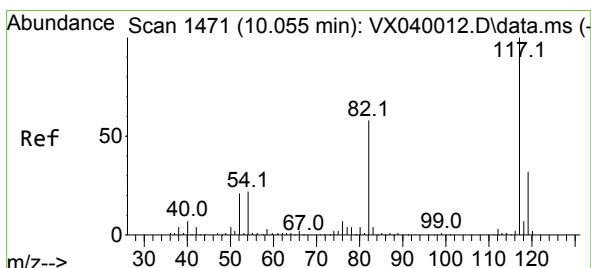
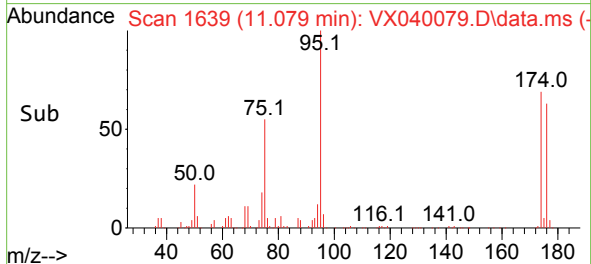
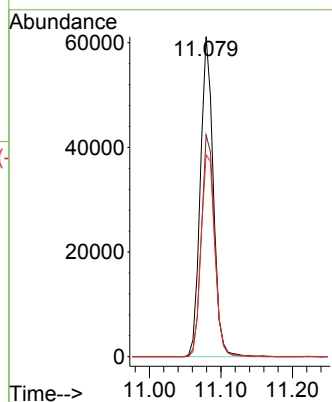
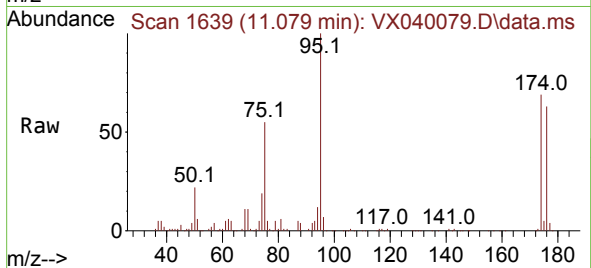




#62  
4-Bromofluorobenzene  
Concen: 48.994 ug/l  
RT: 11.079 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

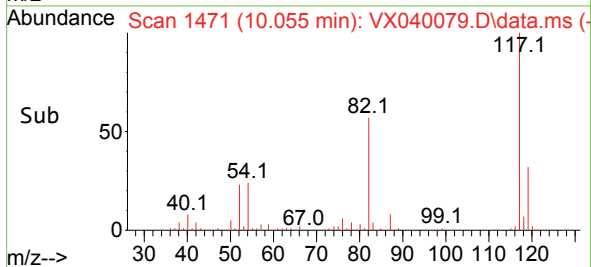
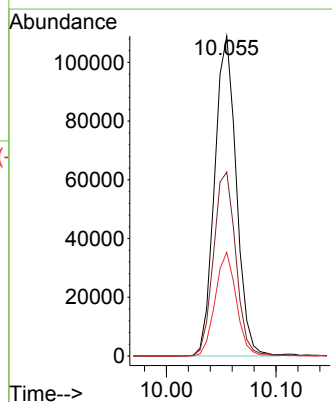
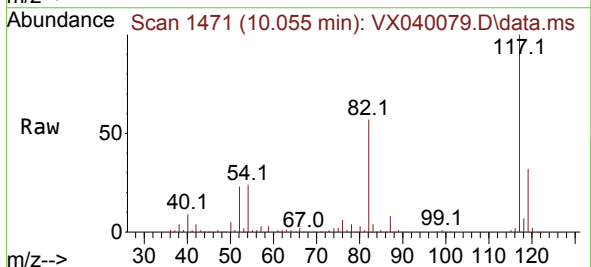
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

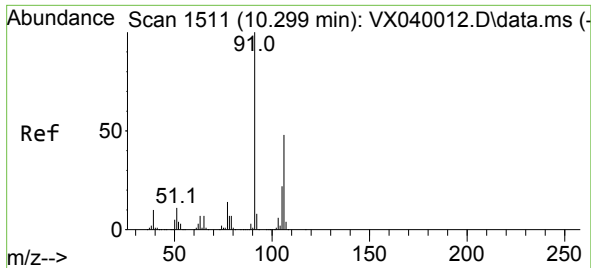
Tgt Ion: 95 Resp: 76734  
Ion Ratio Lower Upper  
95 100  
174 71.0 0.0 135.6  
176 67.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 117 Resp: 150113  
Ion Ratio Lower Upper  
117 100  
82 57.5 46.2 69.4  
119 32.4 25.5 38.3

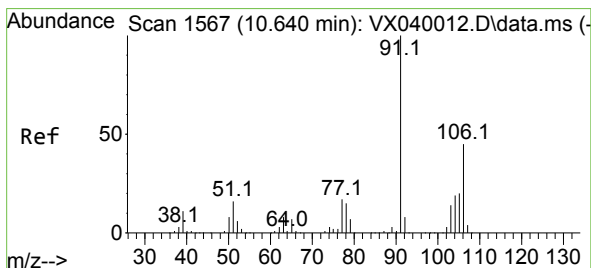
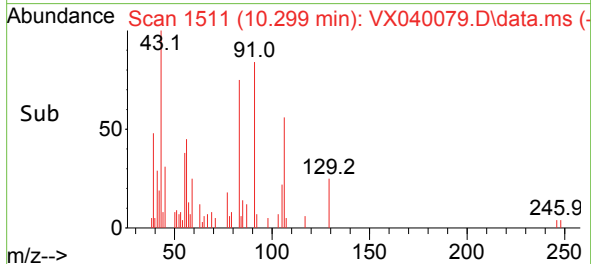
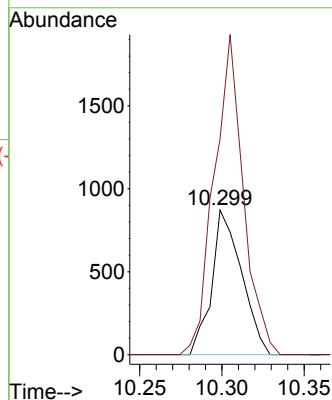
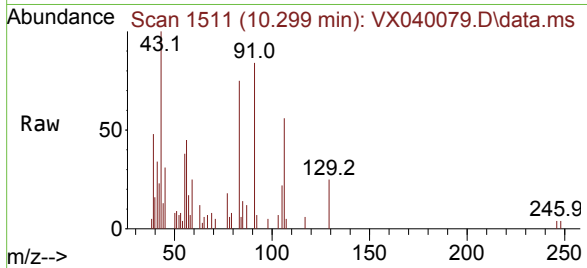




#68  
m/p-Xylenes  
Concen: 0.525 ug/l  
RT: 10.299 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

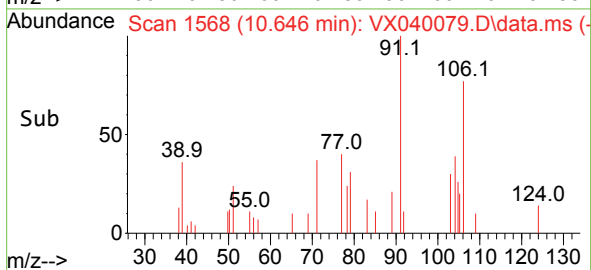
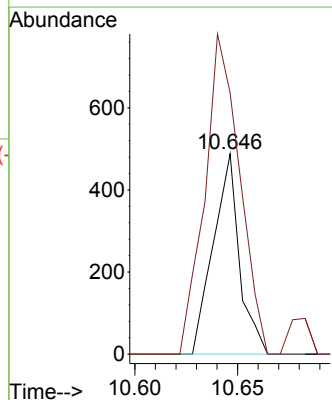
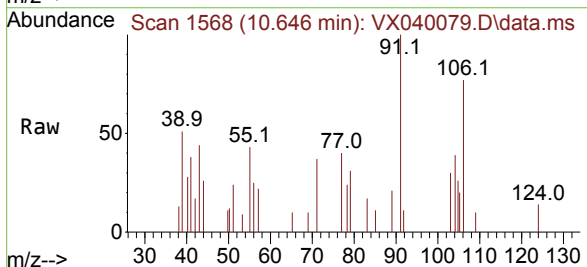
Instrument :  
MSVOA\_X  
ClientSampleId :

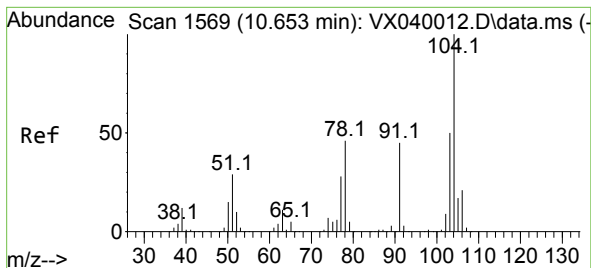
Tgt Ion:106 Resp: 1100  
Ion Ratio Lower Upper  
106 100  
91 216.6 165.5 248.3



#69  
o-Xylene  
Concen: 0.217 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion:106 Resp: 431  
Ion Ratio Lower Upper  
106 100  
91 213.0 108.9 326.8





#70

Styrene

Concen: 0.256 ug/l

RT: 10.659 min Scan# 1142

Delta R.T. 0.005 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

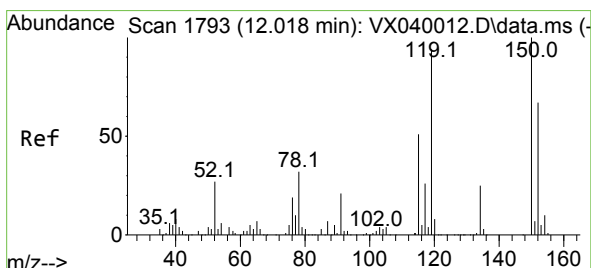
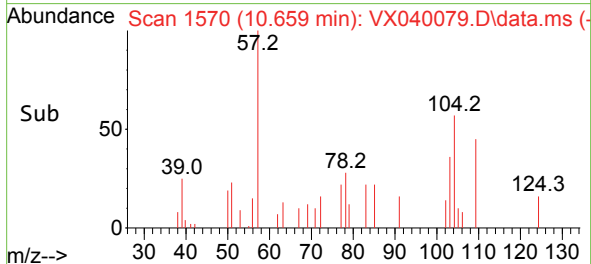
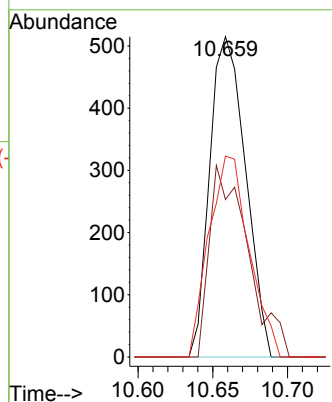
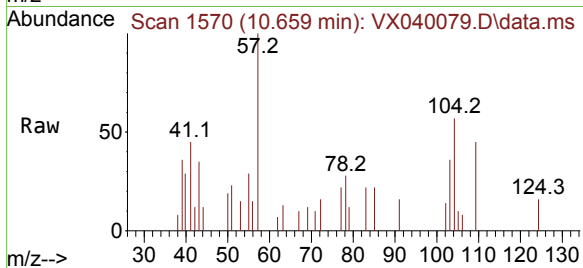
Tgt Ion:104 Resp: 858

Ion Ratio Lower Upper

104 100

78 64.3 43.6 65.4

103 70.5 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

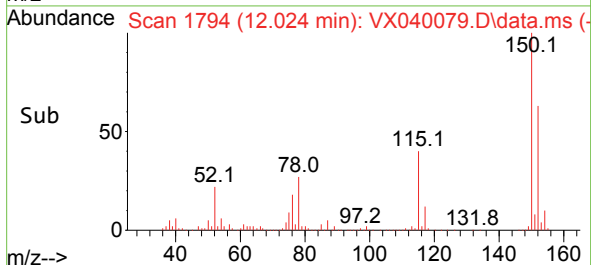
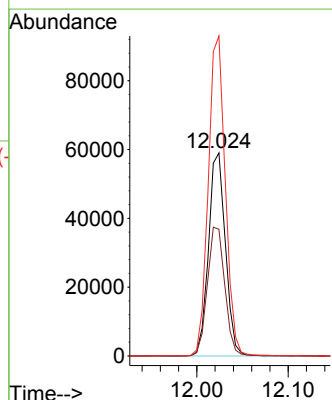
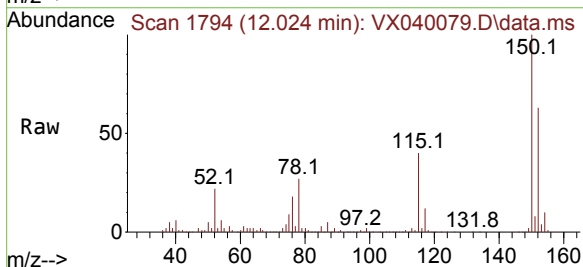
Tgt Ion:152 Resp: 75611

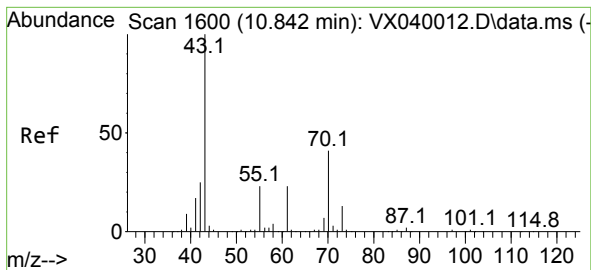
Ion Ratio Lower Upper

152 100

115 65.5 43.3 129.9

150 158.8 0.0 345.0





#74

N-amy1 acetate

Concen: 16.920 ug/l

RT: 10.768 min Scan# 1

Delta R.T. -0.074 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

1142

Tgt Ion: 43 Resp: 41878

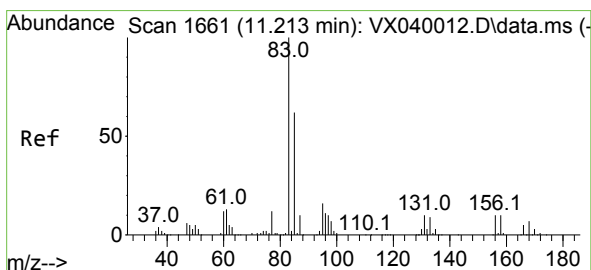
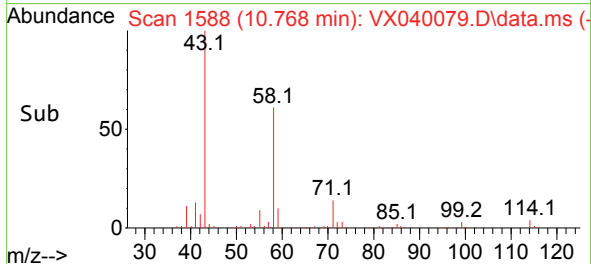
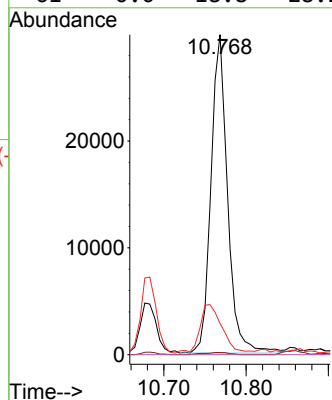
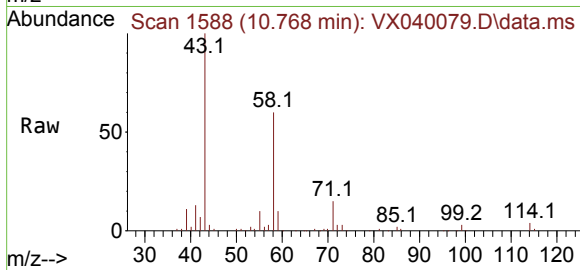
Ion Ratio Lower Upper

43 100

70 1.0 32.9 49.3#

55 21.2 19.3 28.9

61 0.0 18.8 28.2#



#75

1,1,2,2-Tetrachloroethane

Concen: 39.264 ug/l

RT: 11.152 min Scan# 1651

Delta R.T. -0.061 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

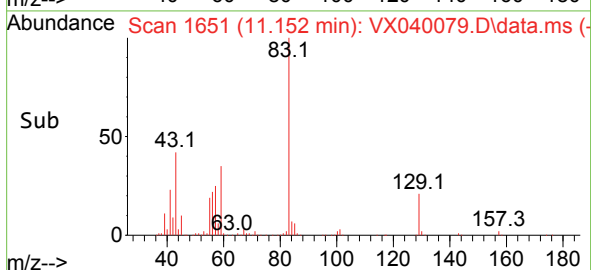
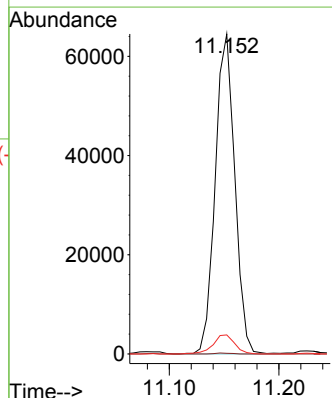
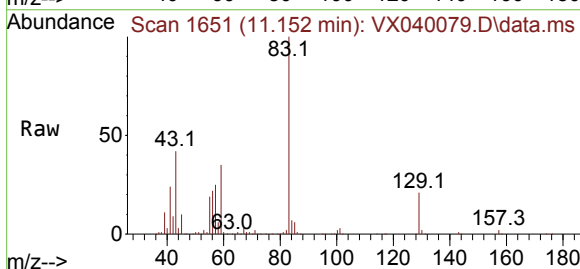
Tgt Ion: 83 Resp: 80149

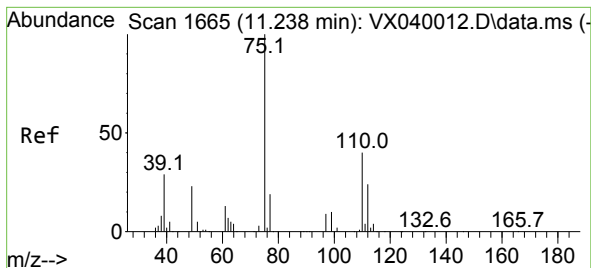
Ion Ratio Lower Upper

83 100

131 0.2 5.3 15.8#

85 6.6 32.0 96.2#





#76

1,2,3-Trichloropropane

Concen: 25.987 ug/l

RT: 11.079 min Scan# 1142

Delta R.T. -0.159 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

Instrument :

MSVOA\_X

ClientSampleId :

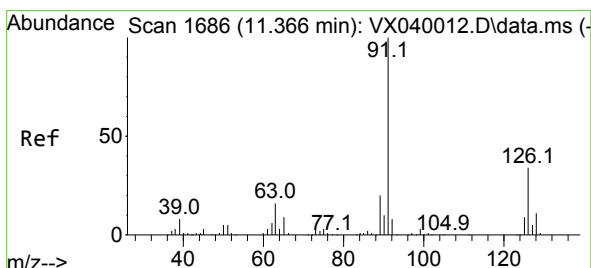
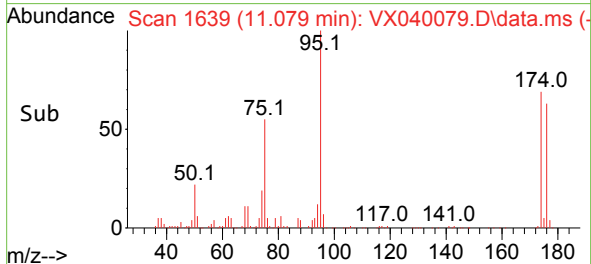
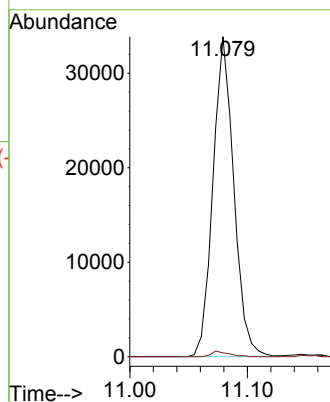
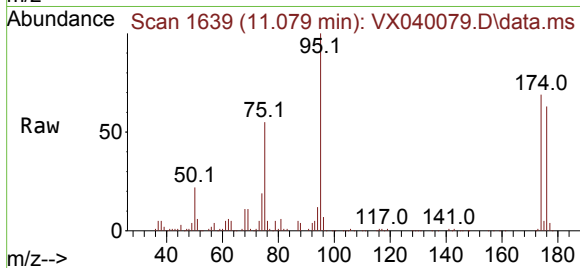
1142

Tgt Ion: 75 Resp: 41843

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#79

2-Chlorotoluene

Concen: 0.203 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.091 min

Lab File: VX040079.D

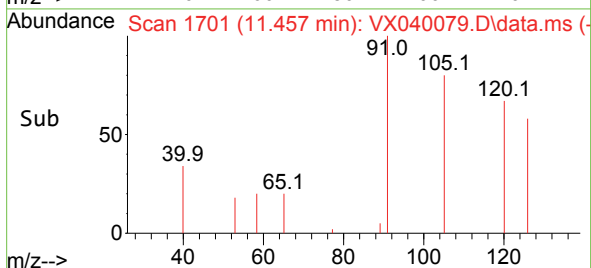
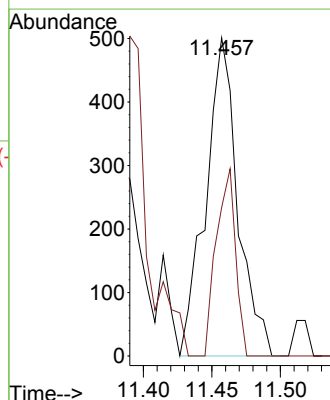
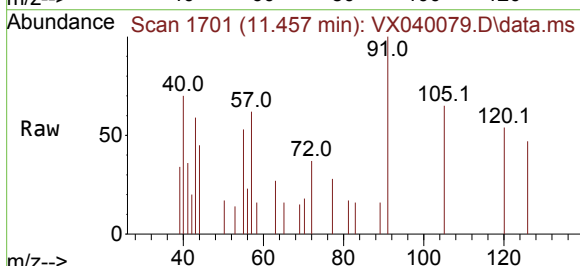
Acq: 02 Feb 2024 12:12

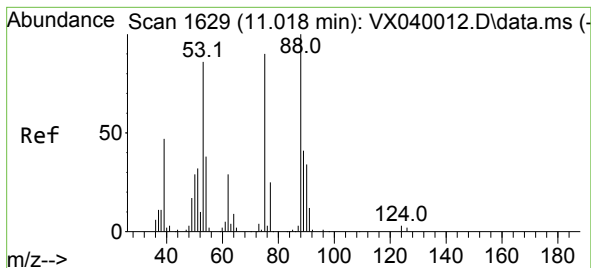
Tgt Ion: 91 Resp: 815

Ion Ratio Lower Upper

91 100

126 35.2 16.3 48.8

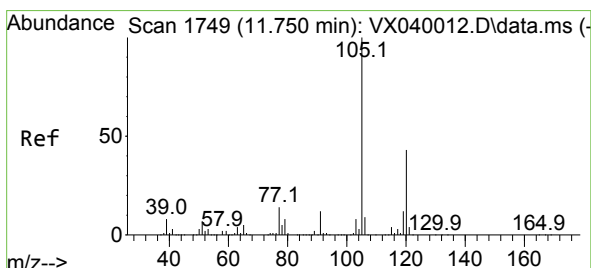
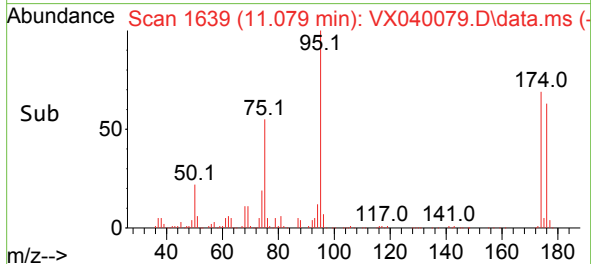
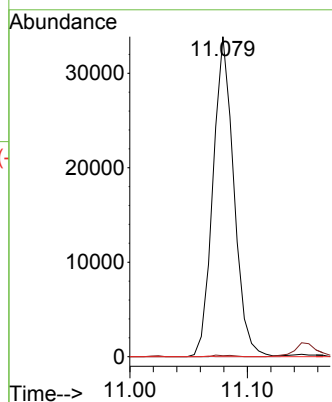
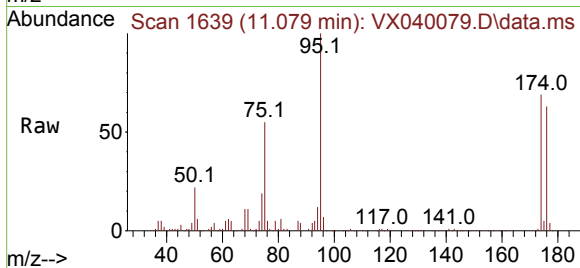




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.355 ug/l  
RT: 11.079 min Scan# 1142  
Delta R.T. 0.061 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

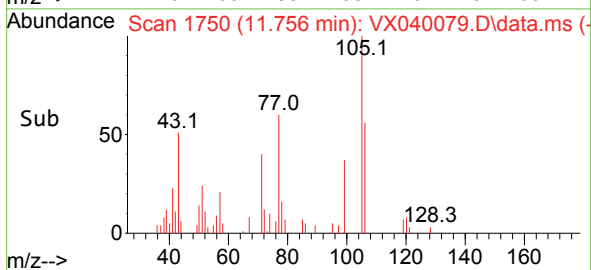
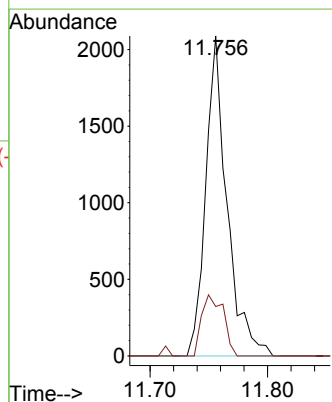
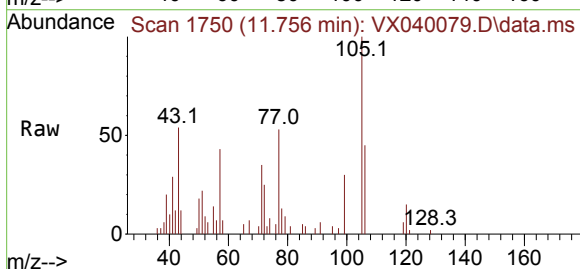
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

Tgt Ion: 75 Resp: 41843  
Ion Ratio Lower Upper  
75 100  
53 0.4 90.5 135.7#  
89 0.1 36.9 55.3#

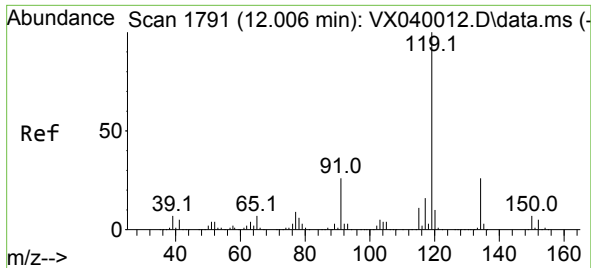


#84  
1,2,4-Trimethylbenzene  
Concen: 0.562 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 105 Resp: 2617  
Ion Ratio Lower Upper  
105 100  
120 19.6 21.2 63.6#



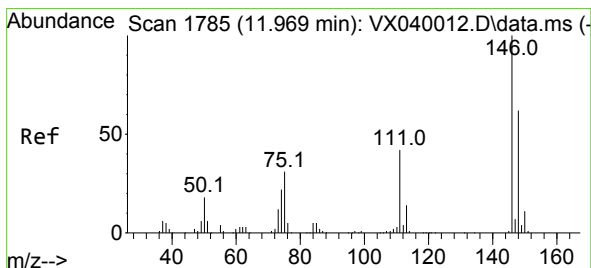
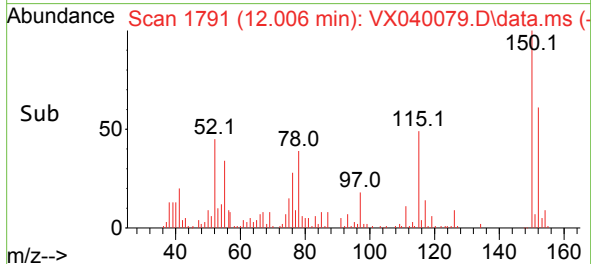
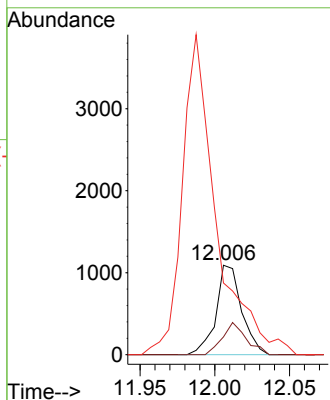
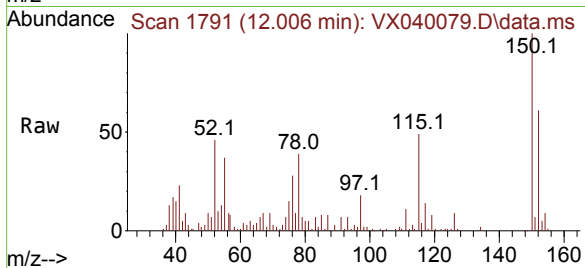




#86  
p-Isopropyltoluene  
Concen: 0.269 ug/l  
RT: 12.006 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

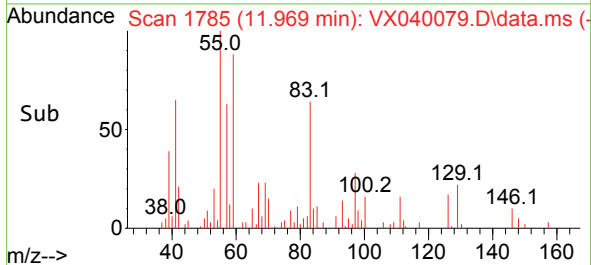
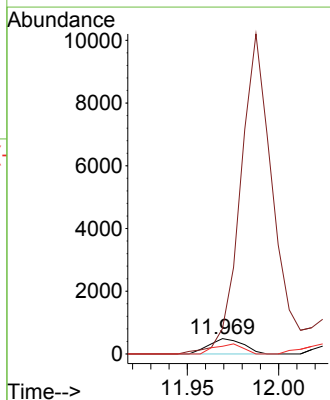
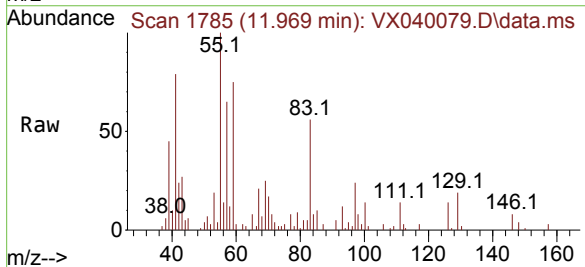
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

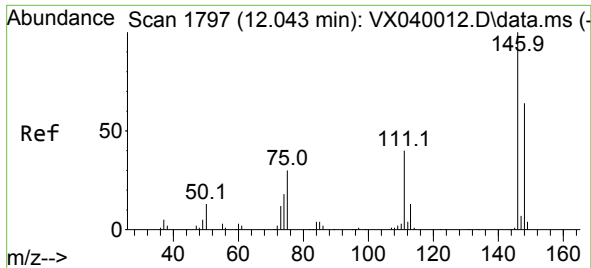
Tgt Ion:119 Resp: 1299  
Ion Ratio Lower Upper  
119 100  
134 33.5 12.8 38.3  
91 0.0 13.1 39.3#



#87  
1,3-Dichlorobenzene  
Concen: 0.254 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion:146 Resp: 642  
Ion Ratio Lower Upper  
146 100  
111 1985.0 22.1 66.1#  
148 53.0 31.8 95.3

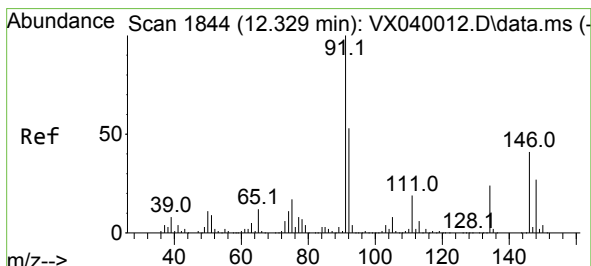
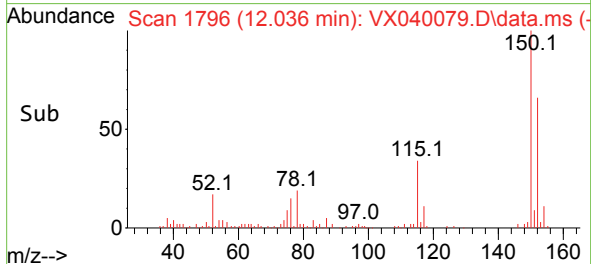
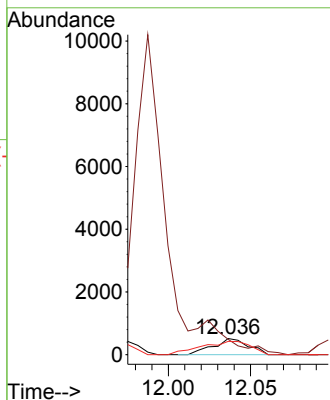
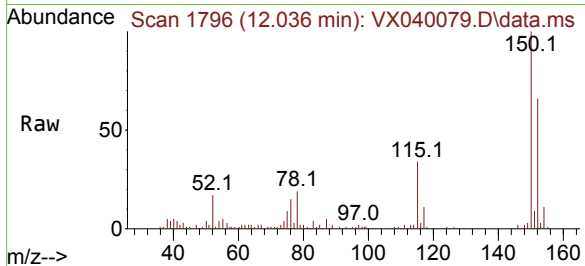




#88  
1,4-Dichlorobenzene  
Concen: 0.297 ug/l  
RT: 12.036 min Scan# 1142  
Delta R.T. -0.006 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

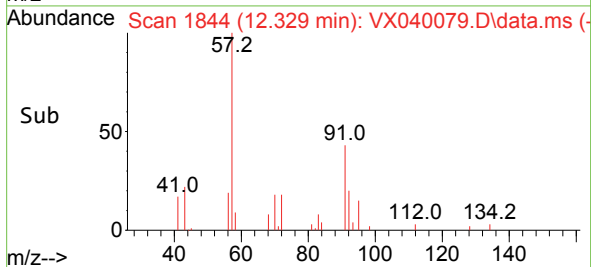
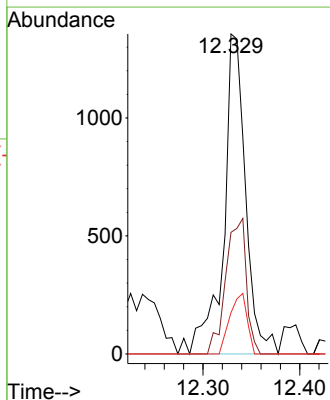
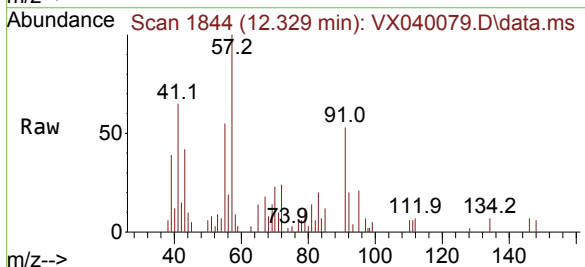
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

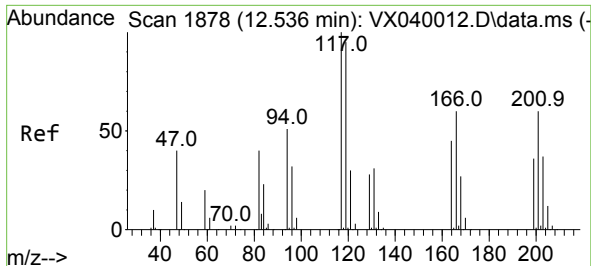
Tgt Ion:146 Resp: 769  
Ion Ratio Lower Upper  
146 100  
111 0.0 21.3 63.7#  
148 116.0 31.8 95.4#



#89  
n-Butylbenzene  
Concen: 0.458 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion: 91 Resp: 2146  
Ion Ratio Lower Upper  
91 100  
92 39.4 27.4 82.0  
134 14.8 12.6 37.8

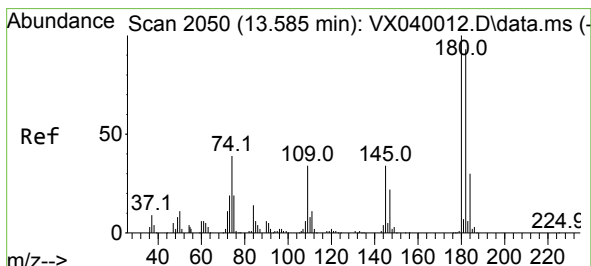
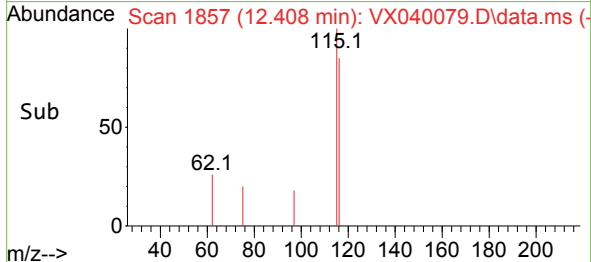
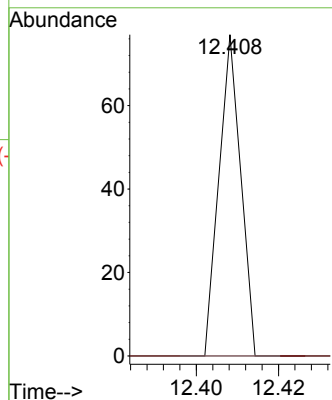
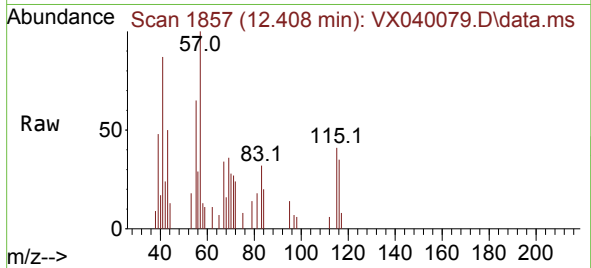




#90  
Hexachloroethane  
Concen: Below Cal  
RT: 12.408 min Scan# 1142  
Delta R.T. -0.128 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

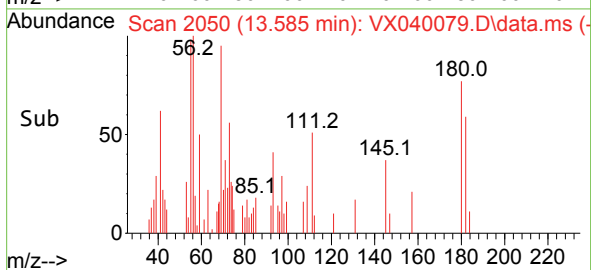
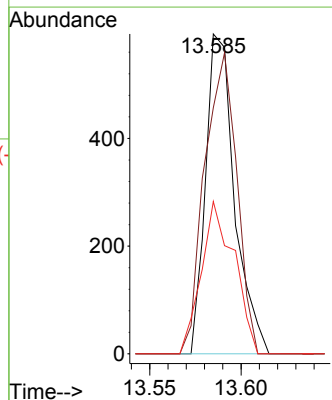
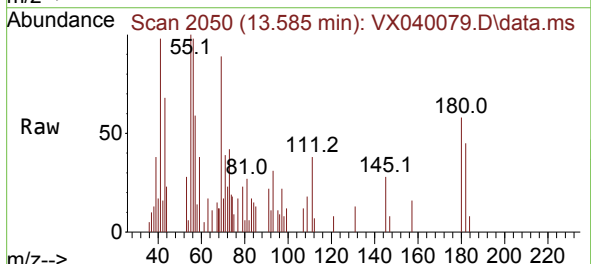
Instrument :  
MSVOA\_X  
ClientSampleId :  
1142

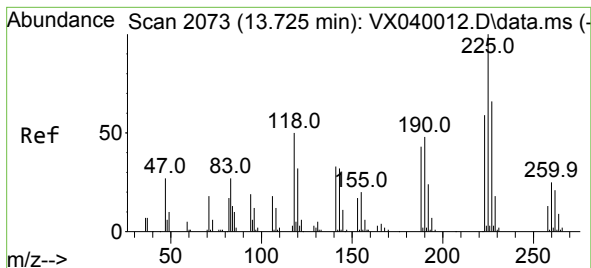
Tgt Ion:117 Resp: 28  
Ion Ratio Lower Upper  
117 100  
201 0.0 32.9 98.6#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.431 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX040079.D  
Acq: 02 Feb 2024 12:12

Tgt Ion:180 Resp: 656  
Ion Ratio Lower Upper  
180 100  
182 104.1 48.3 144.8  
145 54.0 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.588 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

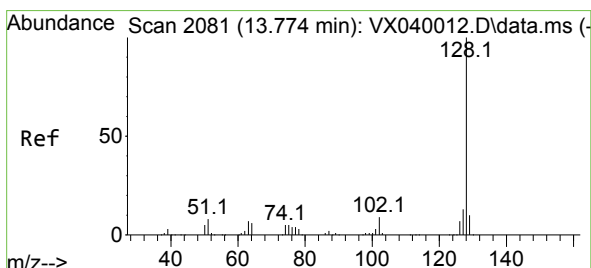
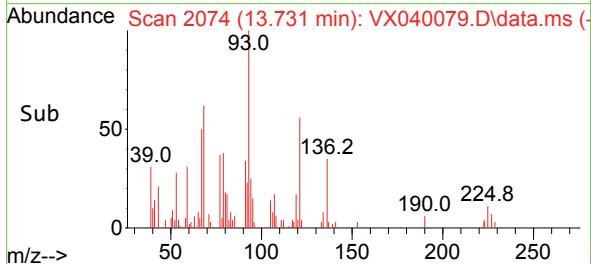
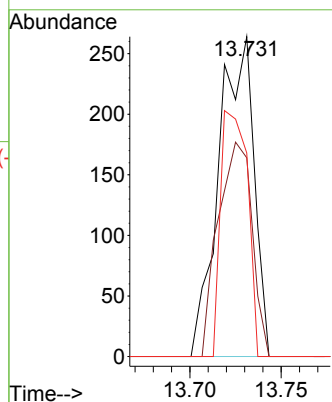
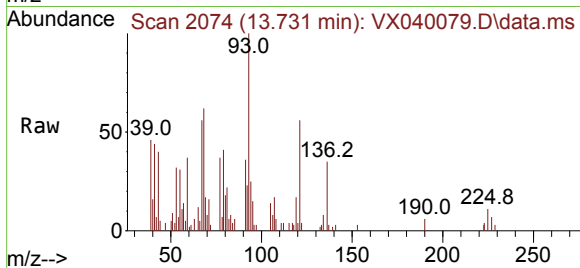
Instrument :

MSVOA\_X

ClientSampleId :

1142

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 353       |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.6  | 31.1 93.2 |
| 227         | 58.6  | 32.5 97.5 |



#95

Naphthalene

Concen: 0.899 ug/l

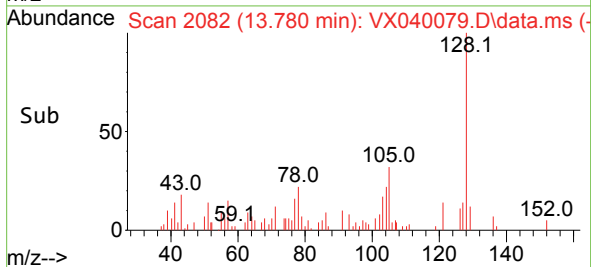
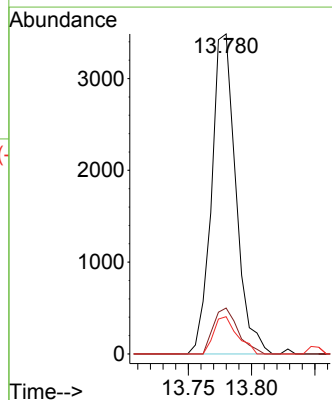
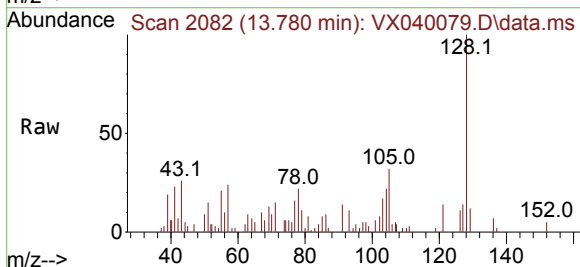
RT: 13.780 min Scan# 2082

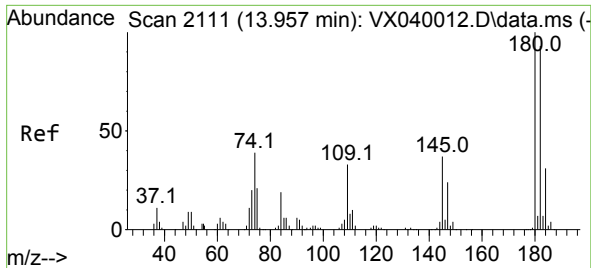
Delta R.T. 0.006 min

Lab File: VX040079.D

Acq: 02 Feb 2024 12:12

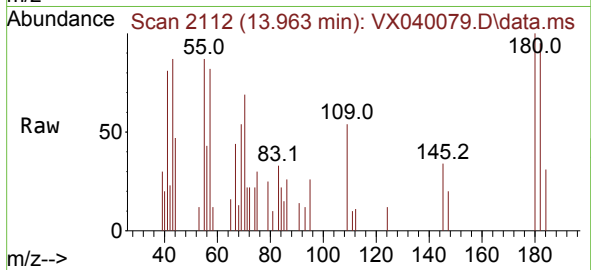
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 4649      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 14.6  | 10.3 15.5 |
| 129         | 11.3  | 8.8 13.2  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.419 ug/l  
 RT: 13.963 min Scan# 2112  
 Delta R.T. 0.006 min  
 Lab File: VX040079.D  
 Acq: 02 Feb 2024 12:12

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1142



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 631   |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 99.2  | 46.9  | 140.6 |
| 145      | 35.2  | 17.8  | 53.5  |

