

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021524\  
 Data File : VX040253.D  
 Acq On : 15 Feb 2024 15:37  
 Operator : JC/MD  
 Sample : PB159010TB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

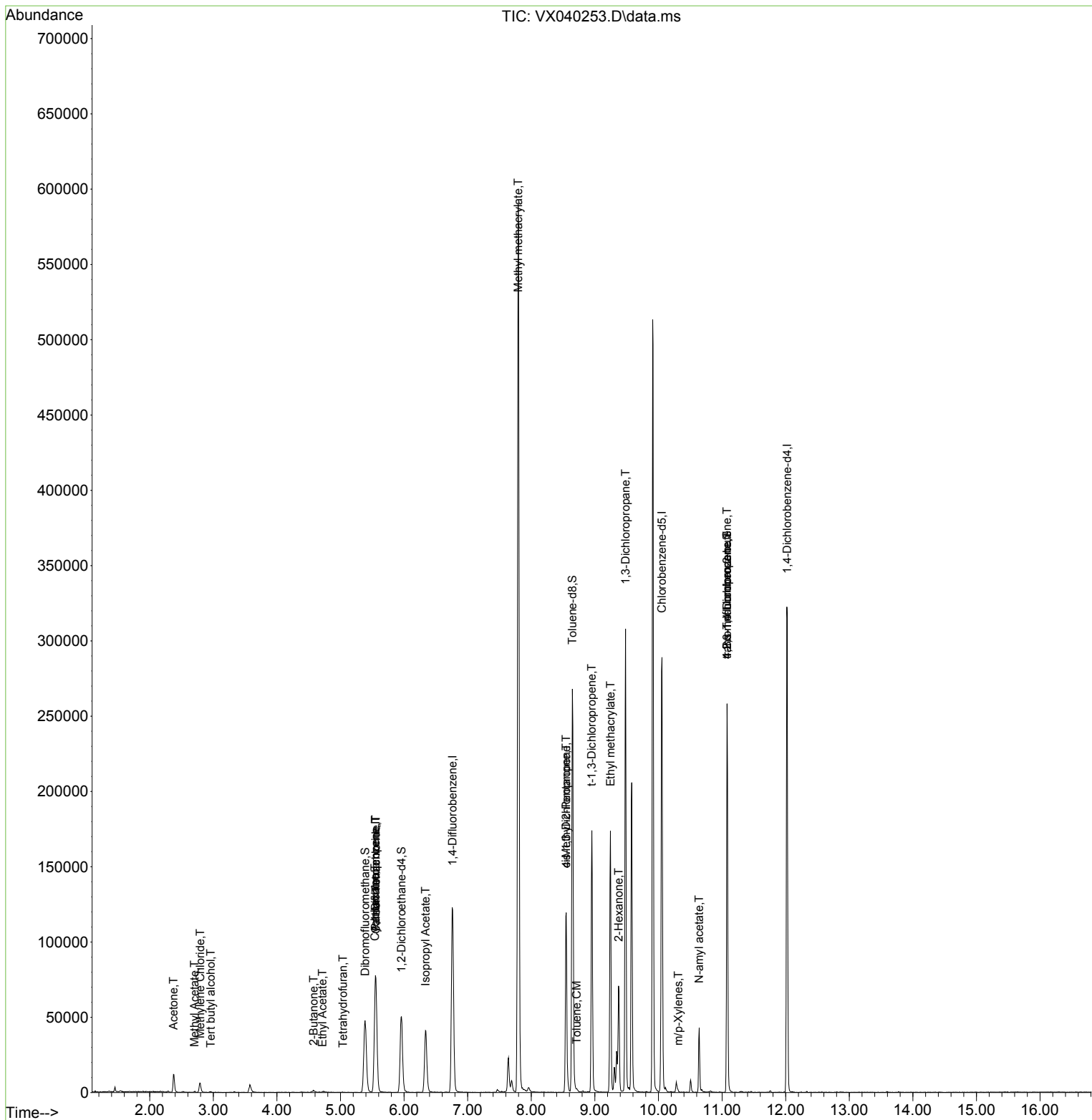
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB159010TB

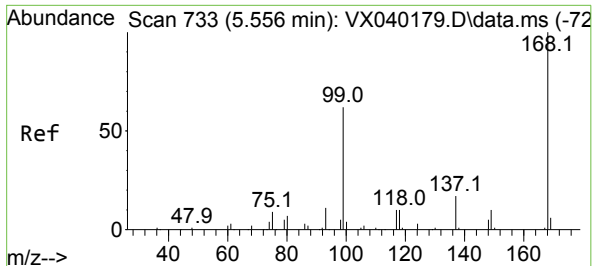
Quant Time: Feb 16 00:50:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 74210      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 129744     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 130837     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 68773      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 48766      | 44.171  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 88.340% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 42181      | 46.554  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 93.100% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 160995     | 47.501  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 95.000% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 64973      | 47.004  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 94.000% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 11) Tert butyl alcohol        | 2.959          | 59   | 324        | 1.507   | ug/l # | 78       |
| 16) Acetone                   | 2.373          | 43   | 12480      | 27.523  | ug/l   | 90       |
| 18) Methyl Acetate            | 2.703          | 43   | 769        | 0.633   | ug/l # | 84       |
| 20) Methylene Chloride        | 2.794          | 84   | 3026       | 2.030   | ug/l   | 95       |
| 25) 2-Butanone                | 4.574          | 43   | 1665       | 2.349   | ug/l # | 76       |
| 29) Tetrahydrofuran           | 5.038          | 42   | 106        | 0.230   | ug/l # | 34       |
| 31) Cyclohexane               | 5.544          | 56   | 1832       | 1.391   | ug/l # | 49       |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 5920       | 4.664   | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.714          | 43   | 655        | 0.464   | ug/l # | 91       |
| 38) Carbon Tetrachloride      | 5.556          | 117  | 7669       | 6.355   | ug/l # | 15       |
| 43) Isopropyl Acetate         | 6.336          | 43   | 57259      | 25.972  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.793          | 41   | 51585      | 45.728  | ug/l # | 48       |
| 51) 4-Methyl-2-Pentanone      | 8.549          | 43   | 42989      | 28.560  | ug/l # | 51       |
| 52) Toluene                   | 8.714          | 92   | 569        | 0.245   | ug/l   | 80       |
| 53) t-1,3-Dichloropropene     | 8.951          | 75   | 369        | 2.183   | ug/l # | 43       |
| 54) cis-1,3-Dichloropropene   | 8.549          | 75   | 18943      | 12.893  | ug/l # | 60       |
| 56) Ethyl methacrylate        | 9.244          | 69   | 393        | 0.265   | ug/l # | 1        |
| 57) 1,3-Dichloropropane       | 9.482          | 76   | 2513       | 1.553   | ug/l # | 42       |
| 59) 2-Hexanone                | 9.372          | 43   | 53458      | 44.795  | ug/l # | 26       |
| 68) m/p-Xylenes               | 10.311         | 106  | 386        | 0.210   | ug/l   | 80       |
| 74) N-amyl acetate            | 10.640         | 43   | 10399      | 5.008   | ug/l # | 52       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 34000      | 24.413  | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 34000      | 67.238  | ug/l # | 5        |
| -----                         |                |      |            |         |        |          |

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

Quant Time: Feb 16 00:50:21 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

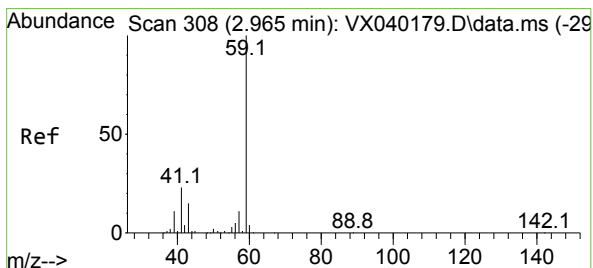
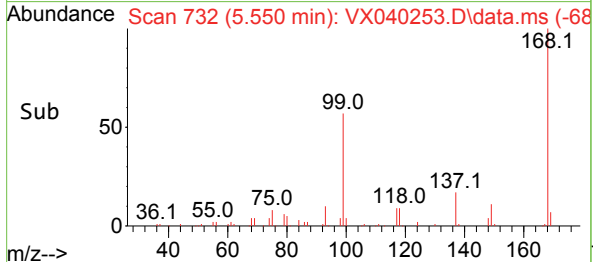
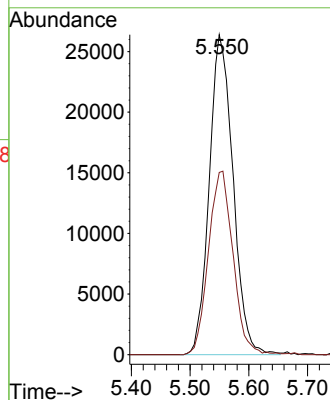
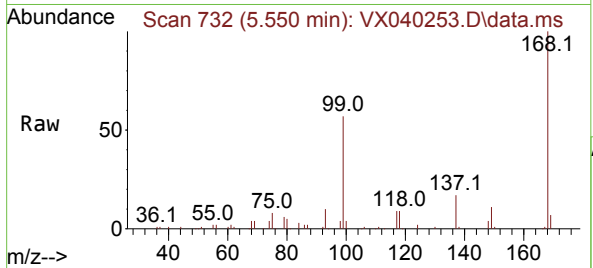




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

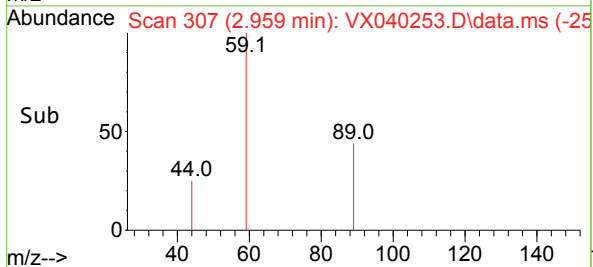
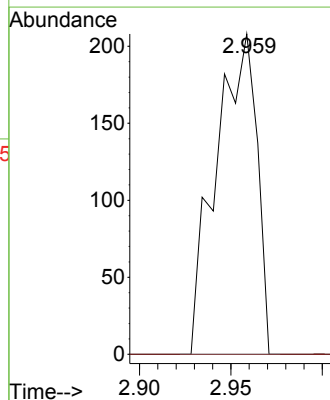
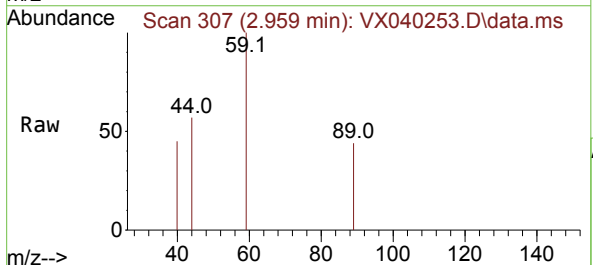
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

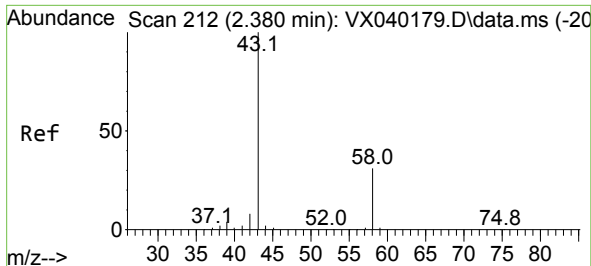
Tgt Ion:168 Resp: 74210  
Ion Ratio Lower Upper  
168 100  
99 57.0 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 1.507 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 59 Resp: 324  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

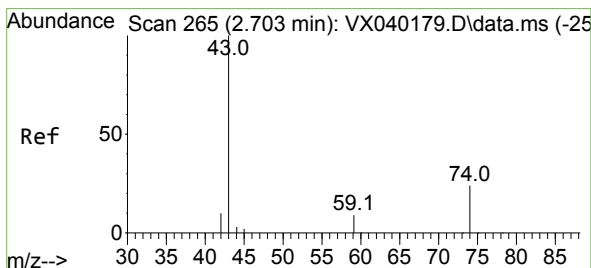
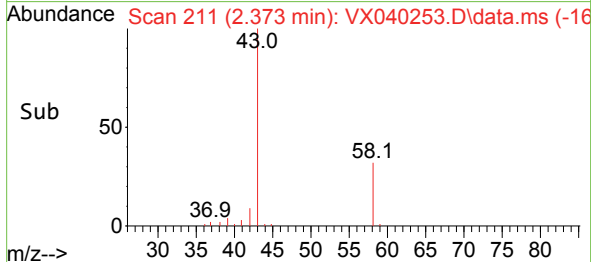
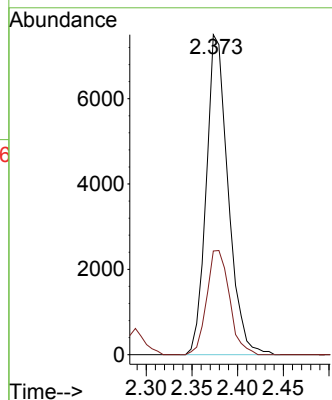
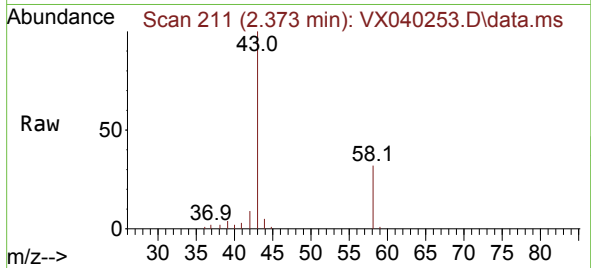




#16  
Acetone  
Concen: 27.523 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

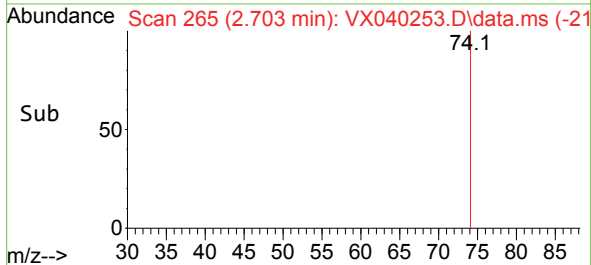
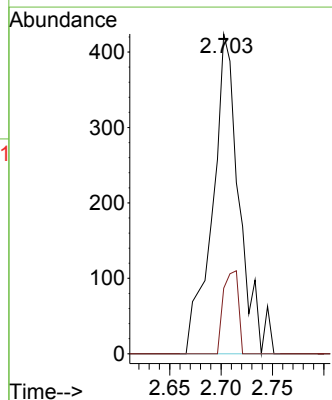
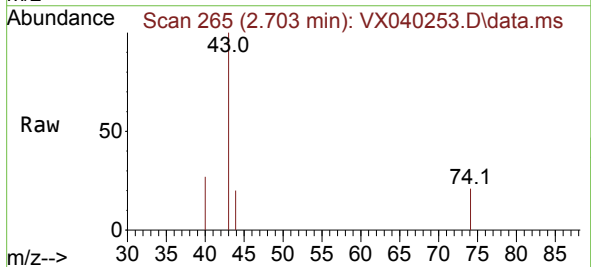
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

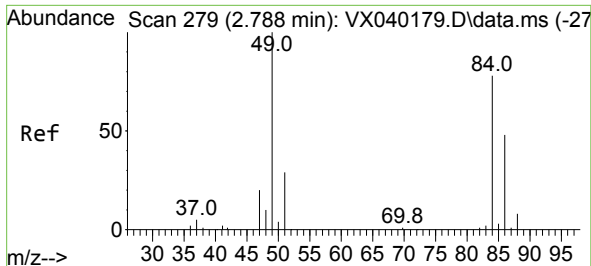
Tgt Ion: 43 Resp: 12480  
Ion Ratio Lower Upper  
43 100  
58 32.4 21.9 32.9



#18  
Methyl Acetate  
Concen: 0.633 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 43 Resp: 769  
Ion Ratio Lower Upper  
43 100  
74 14.4 17.8 26.8#





#20

Methylene Chloride

Concen: 2.030 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

Instrument :

MSVOA\_X

ClientSampleId :

PB159010TB

Tgt Ion: 84 Resp: 3026

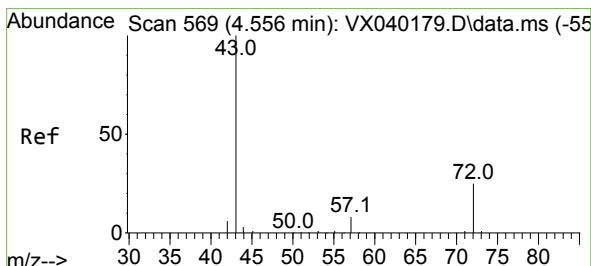
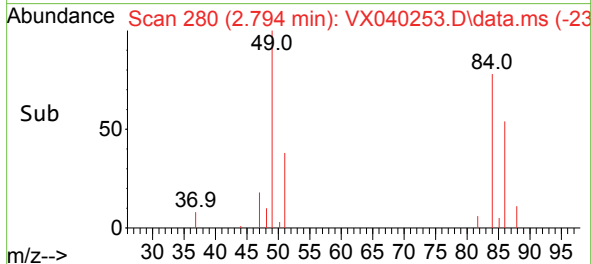
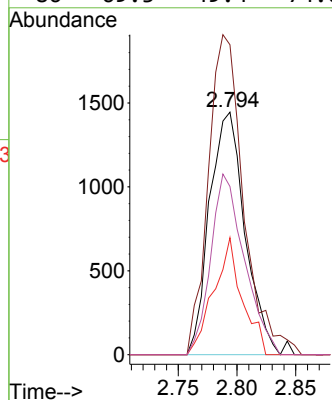
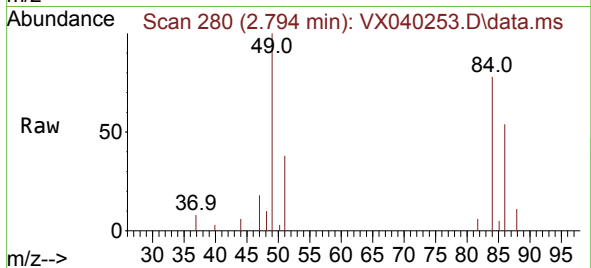
Ion Ratio Lower Upper

84 100

49 127.7 103.6 155.4

51 48.2 33.8 50.6

86 69.3 49.4 74.0



#25

2-Butanone

Concen: 2.349 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX040253.D

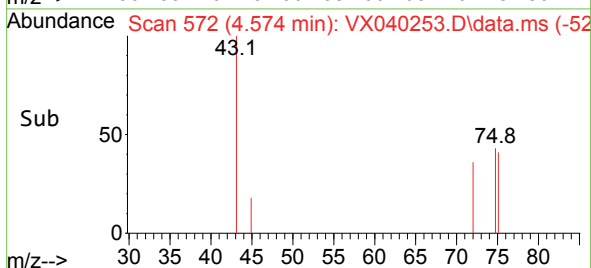
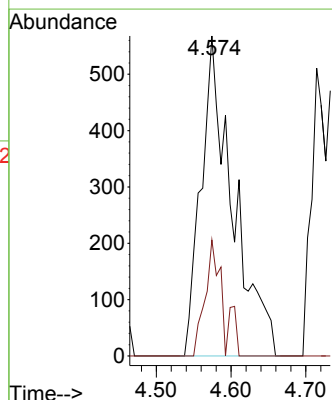
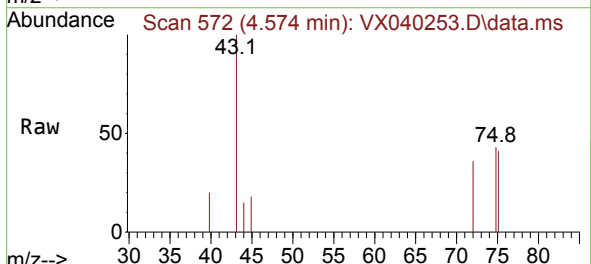
Acq: 15 Feb 2024 15:37

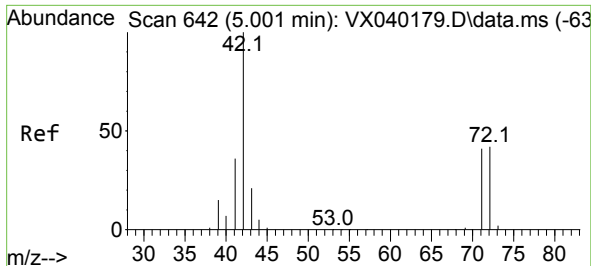
Tgt Ion: 43 Resp: 1665

Ion Ratio Lower Upper

43 100

72 36.3 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 5.038 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

Instrument :

MSVOA\_X

ClientSampleId :

PB159010TB

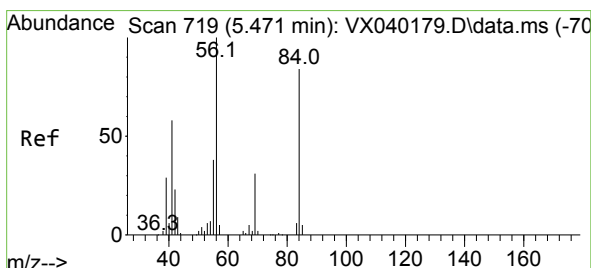
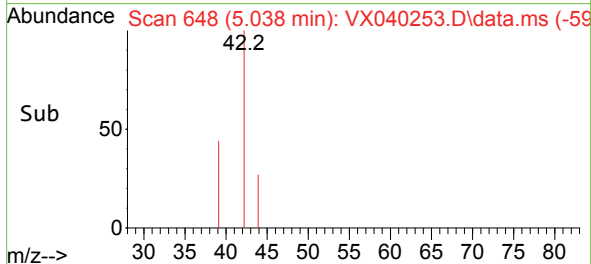
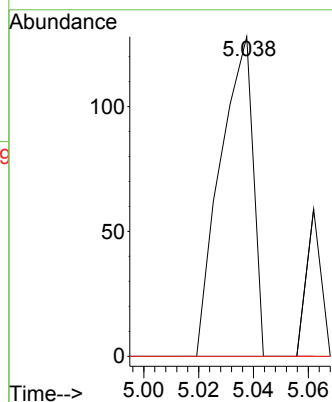
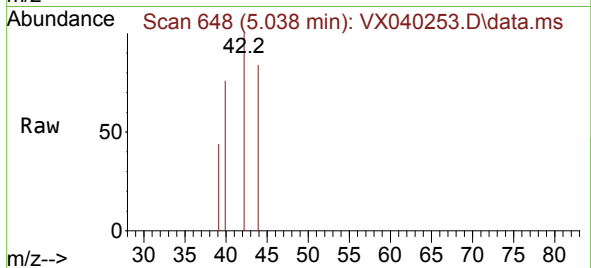
Tgt Ion: 42 Resp: 106

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

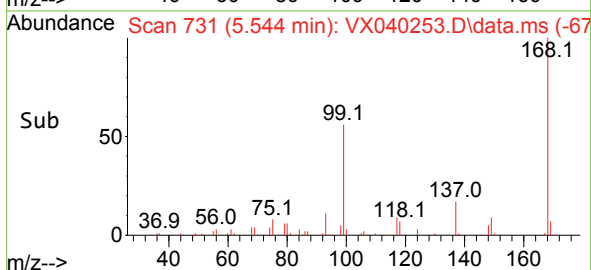
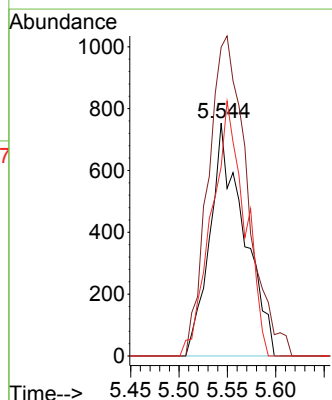
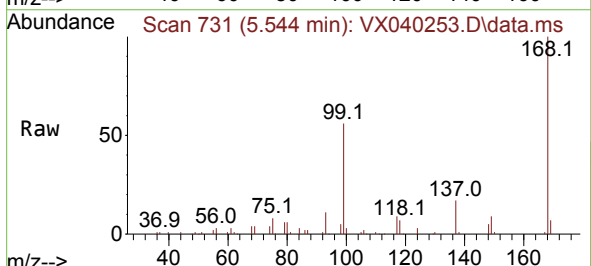
Tgt Ion: 56 Resp: 1832

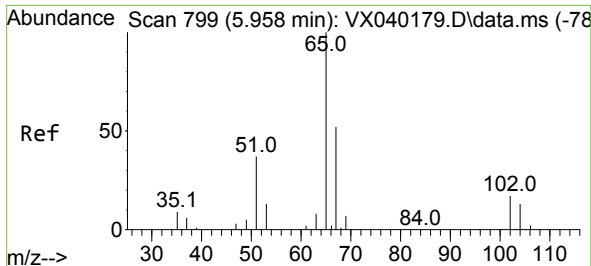
Ion Ratio Lower Upper

56 100

69 132.7 23.4 35.2#

84 81.3 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 44.171 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

Instrument :

MSVOA\_X

ClientSampleId :

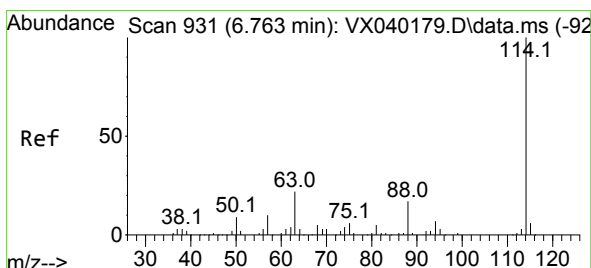
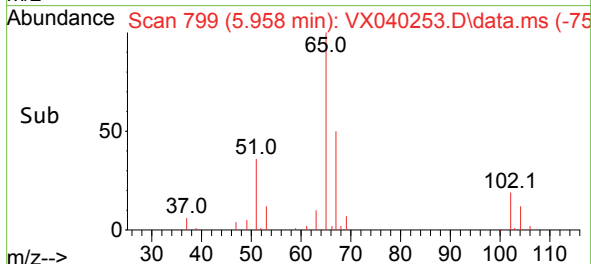
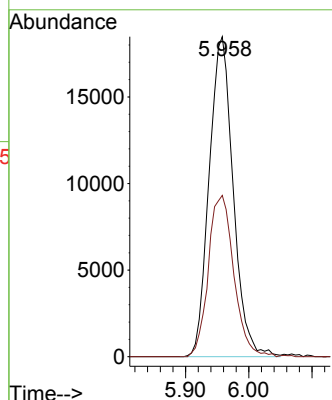
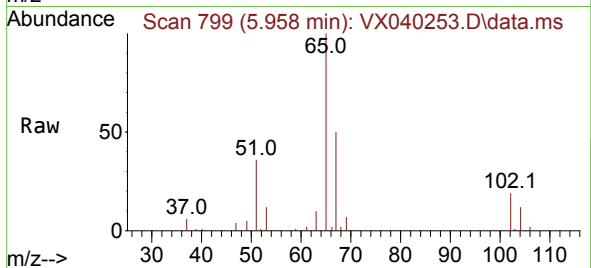
PB159010TB

Tgt Ion: 65 Resp: 48766

Ion Ratio Lower Upper

65 100

67 53.4 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: VX040253.D

Acq: 15 Feb 2024 15:37

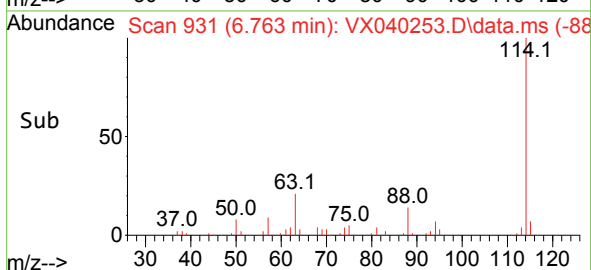
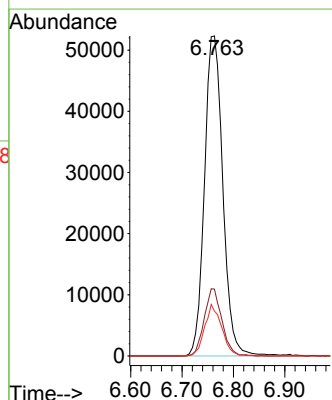
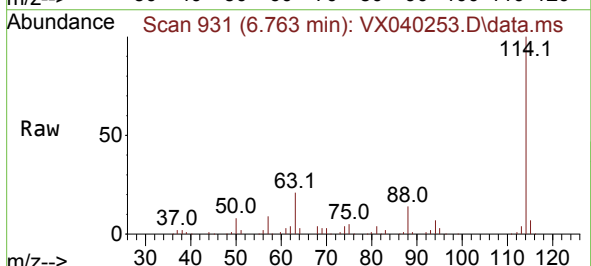
Tgt Ion: 114 Resp: 129744

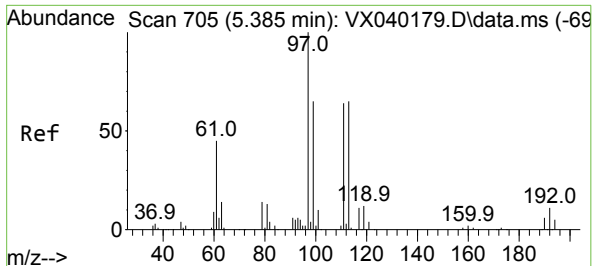
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

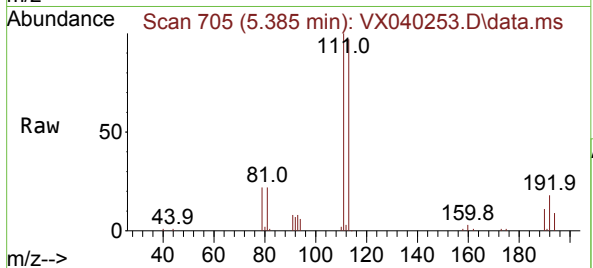
88 14.0 0.0 36.6



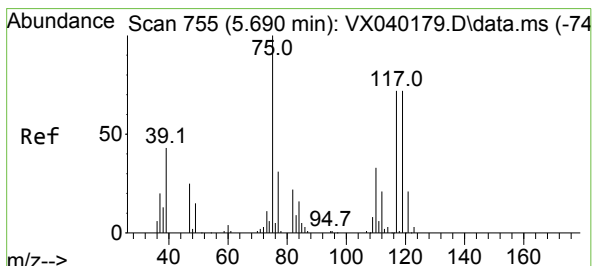
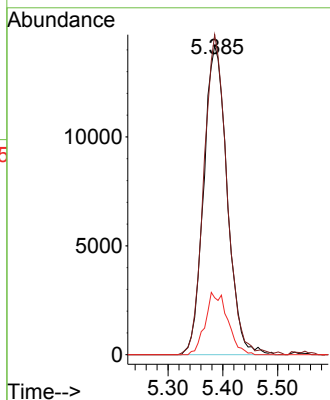
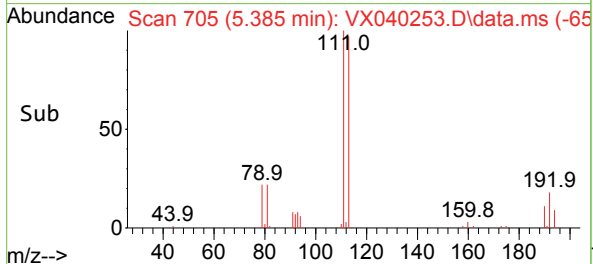


#35  
Dibromofluoromethane  
Concen: 46.554 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

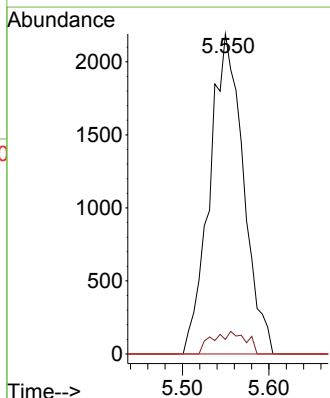
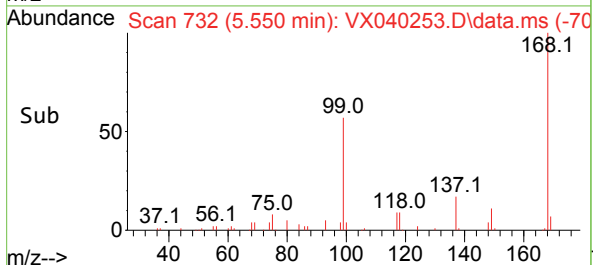
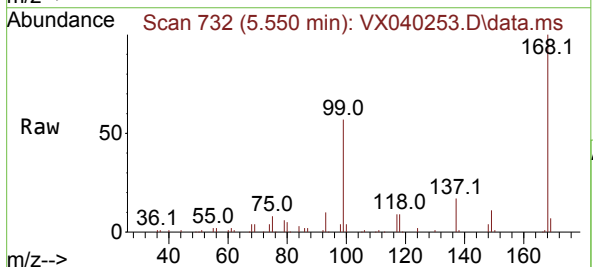


Tgt Ion:113 Resp: 42181  
Ion Ratio Lower Upper  
113 100  
111 101.6 82.9 124.3  
192 19.2 13.3 19.9

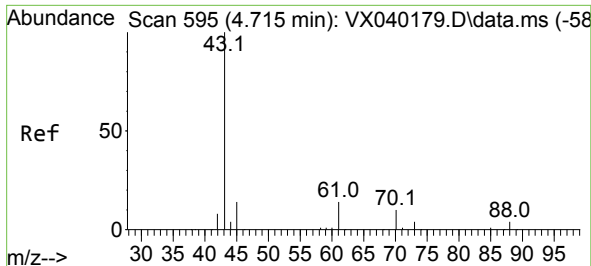


#36  
1,1-Dichloropropene  
Concen: 4.664 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 75 Resp: 5920  
Ion Ratio Lower Upper  
75 100  
110 7.0 17.0 50.9#  
77 0.0 24.7 37.1#

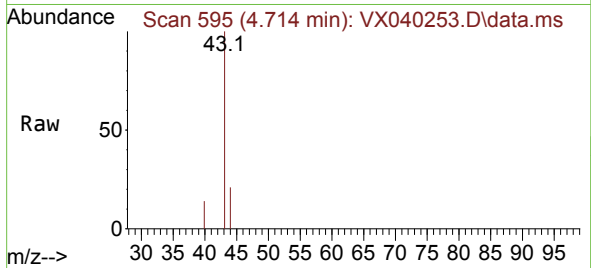




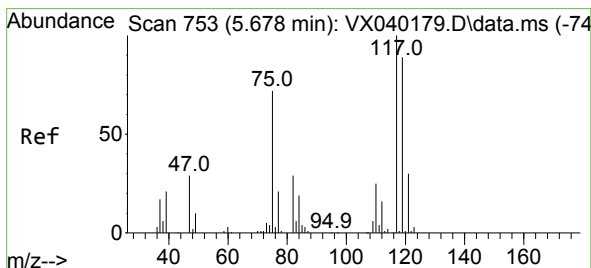
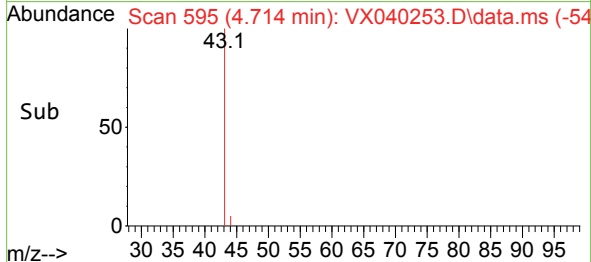
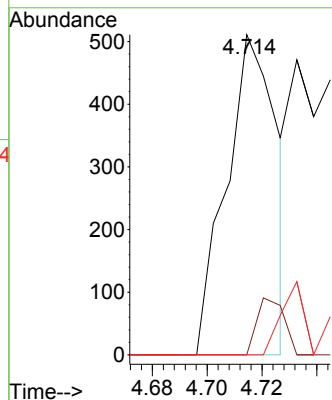


#37  
Ethyl Acetate  
Concen: 0.464 ug/l  
RT: 4.714 min Scan# 595  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

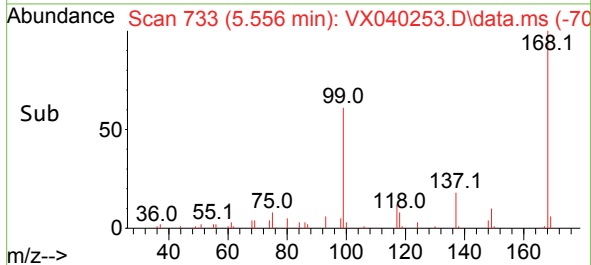
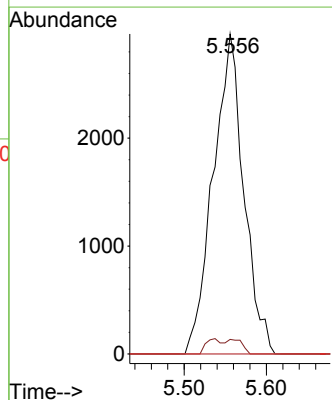
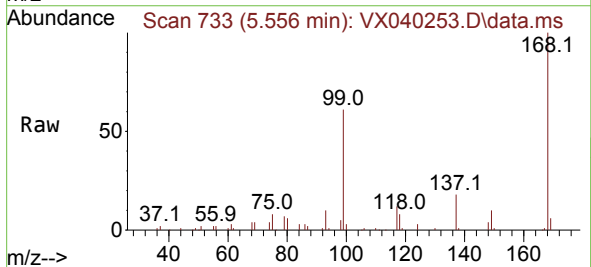


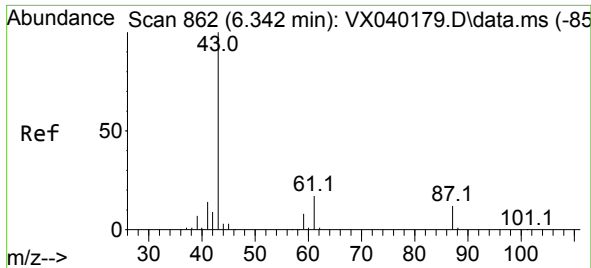
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 655   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 9.5   | 10.6  | 16.0# |
| 70       | 13.4  | 8.3   | 12.5# |



#38  
Carbon Tetrachloride  
Concen: 6.355 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.116 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 7669   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.6   | 78.2  | 117.2# |
| 121      | 0.0   | 24.4  | 36.6#  |

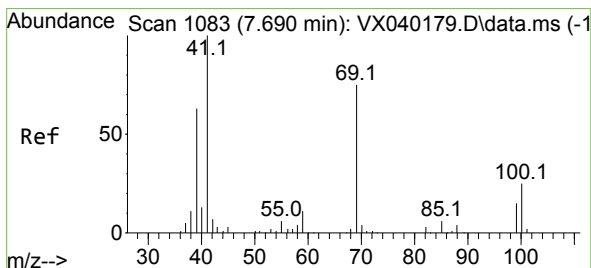
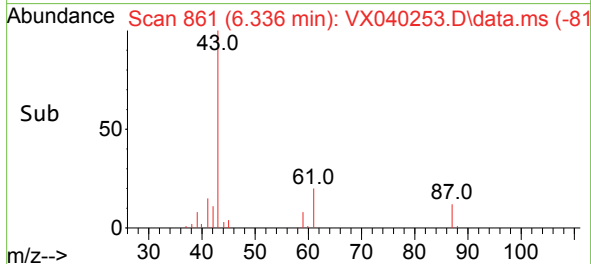
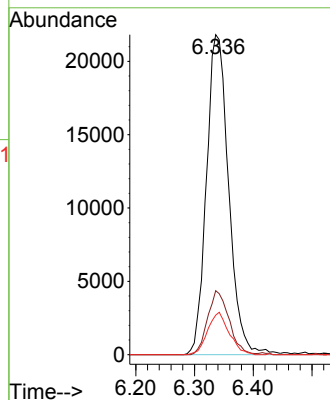
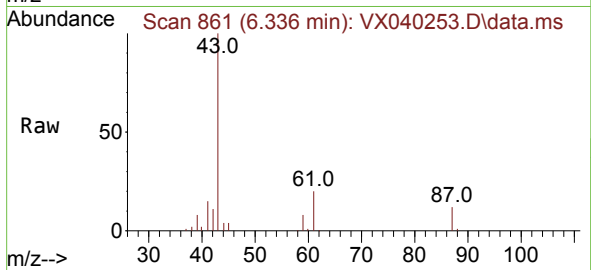




#43  
Isopropyl Acetate  
Concen: 25.972 ug/l  
RT: 6.336 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

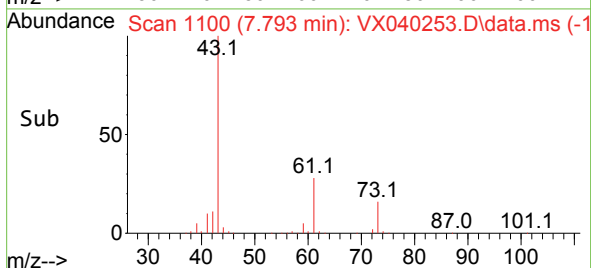
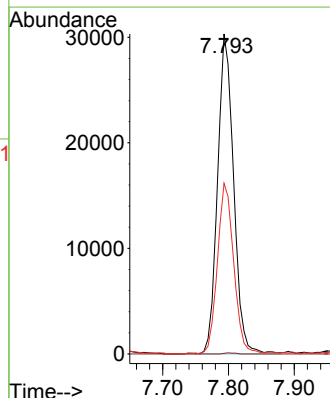
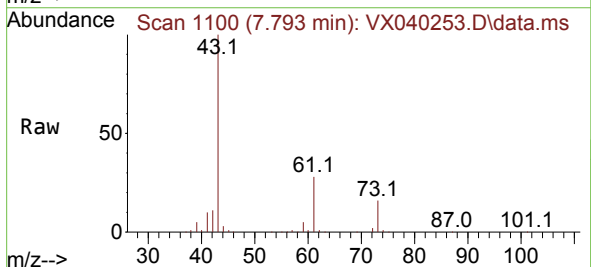
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

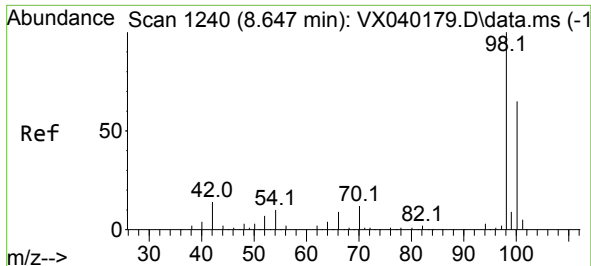
Tgt Ion: 43 Resp: 57259  
Ion Ratio Lower Upper  
43 100  
61 19.2 15.2 22.8  
87 12.8 9.8 14.6



#48  
Methyl methacrylate  
Concen: 45.728 ug/l  
RT: 7.793 min Scan# 1100  
Delta R.T. 0.098 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 41 Resp: 51585  
Ion Ratio Lower Upper  
41 100  
69 0.2 59.2 88.8#  
39 54.1 47.7 71.5

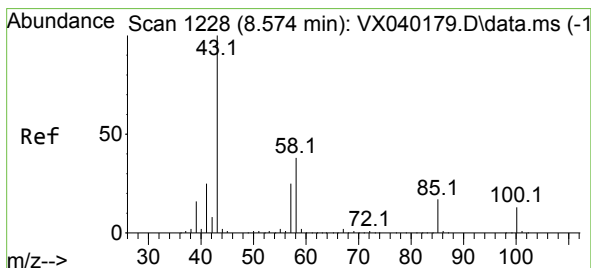
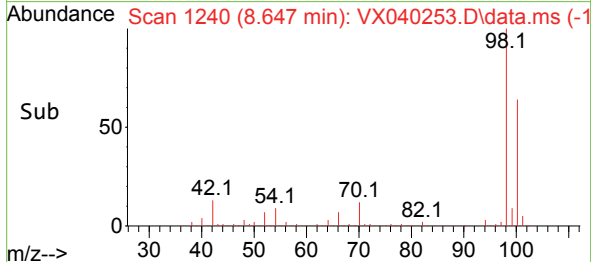
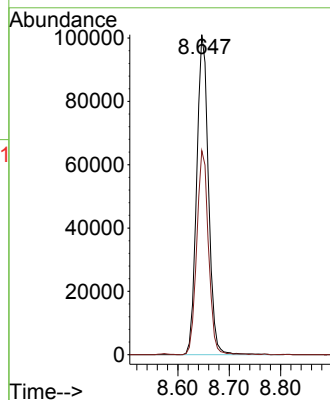
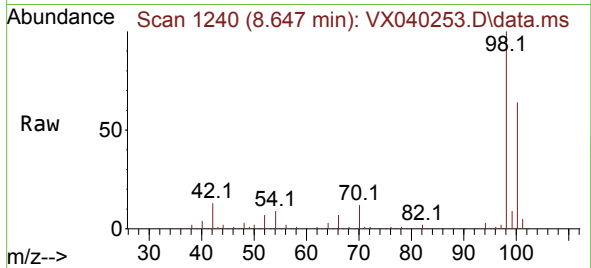




#50  
Toluene-d8  
Concen: 47.501 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

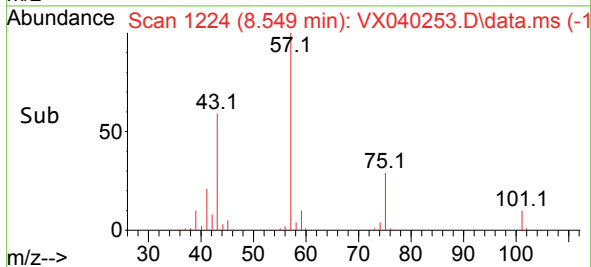
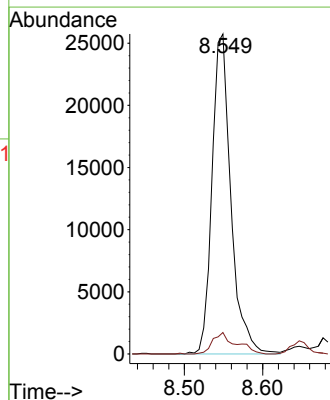
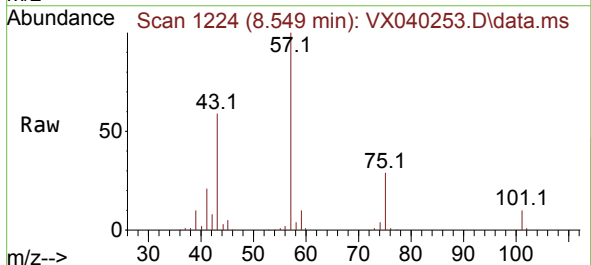
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

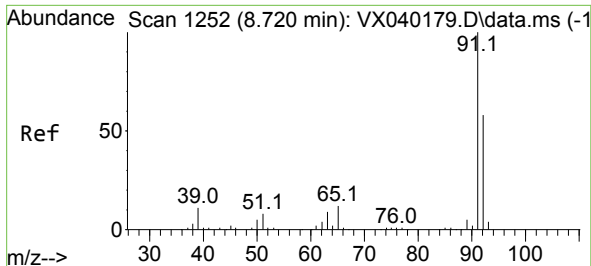
Tgt Ion: 98 Resp: 160995  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 28.560 ug/l  
RT: 8.549 min Scan# 1224  
Delta R.T. -0.025 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 43 Resp: 42989  
Ion Ratio Lower Upper  
43 100  
58 8.3 30.4 45.6#

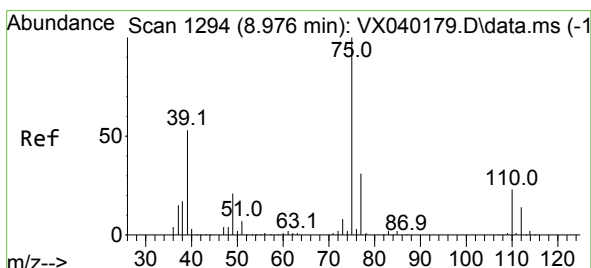
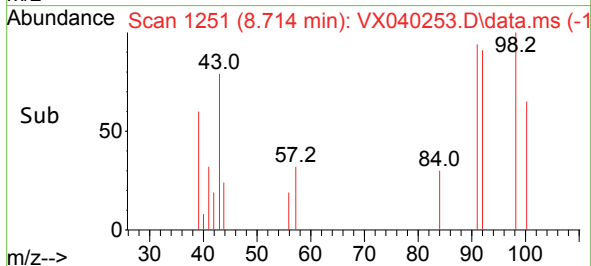
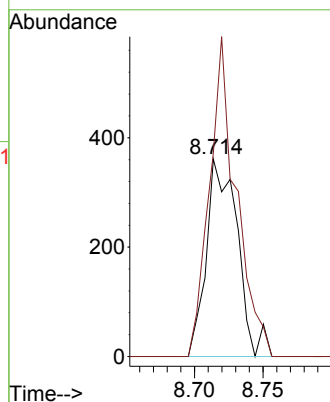
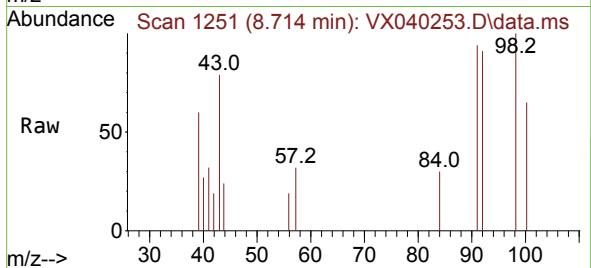




#52  
Toluene  
Concen: 0.245 ug/l  
RT: 8.714 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

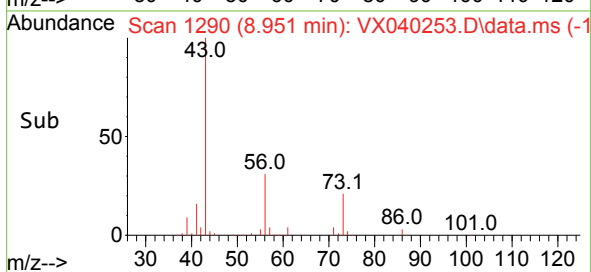
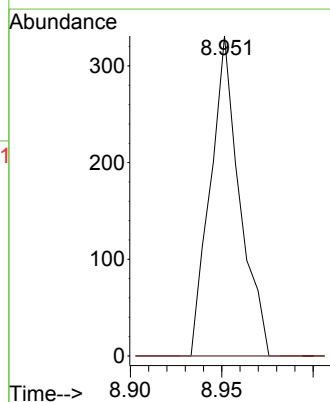
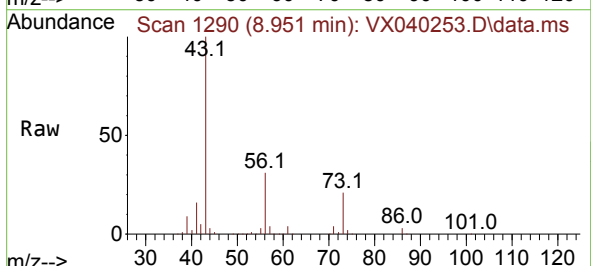
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

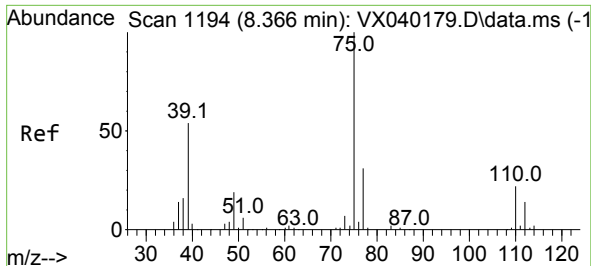
Tgt Ion: 92 Resp: 569  
Ion Ratio Lower Upper  
92 100  
91 139.9 134.2 201.2



#53  
t-1,3-Dichloropropene  
Concen: 2.183 ug/l  
RT: 8.951 min Scan# 1290  
Delta R.T. -0.025 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 75 Resp: 369  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.7 38.5#

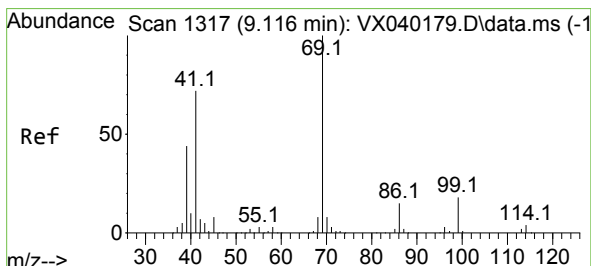
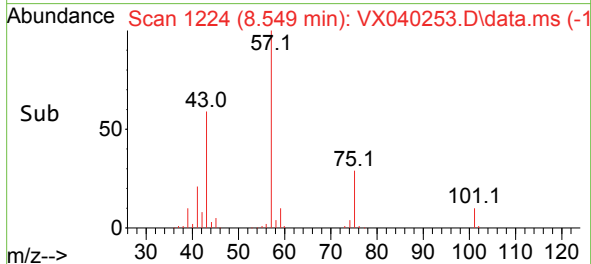
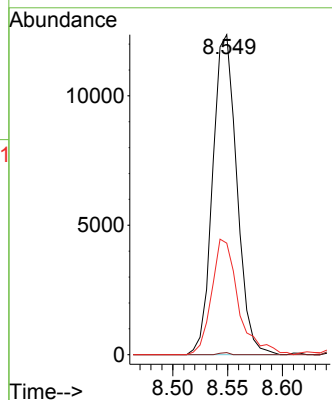
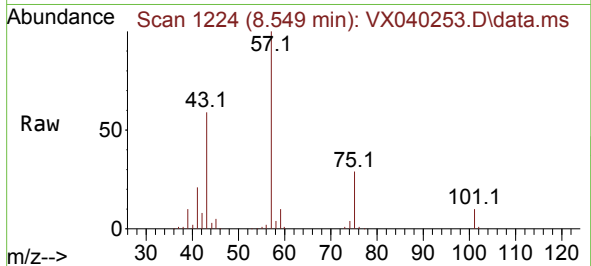




#54  
 cis-1,3-Dichloropropene  
 Concen: 12.893 ug/l  
 RT: 8.549 min Scan# 1194  
 Delta R.T. 0.183 min  
 Lab File: VX040253.D  
 Acq: 15 Feb 2024 15:37

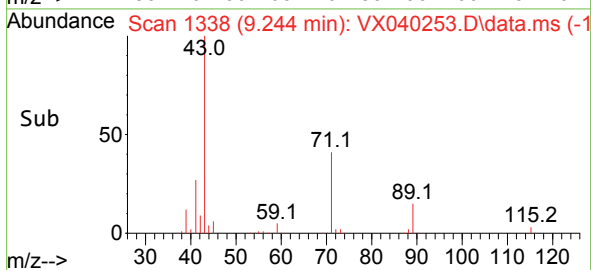
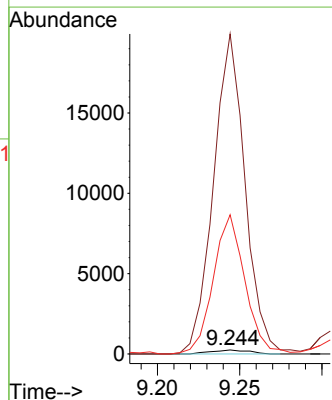
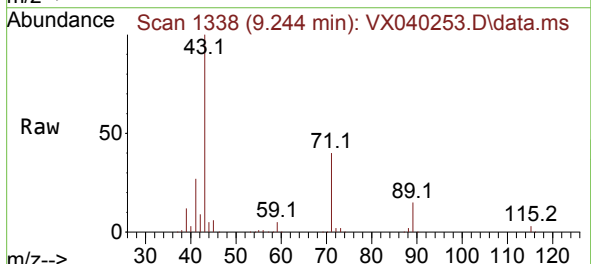
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB159010TB

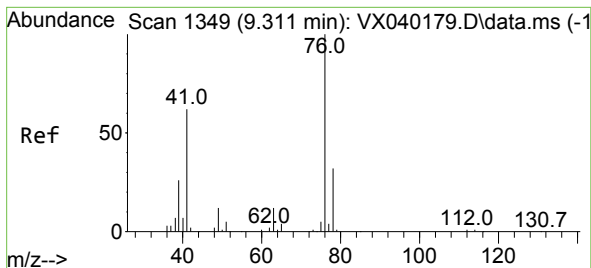
Tgt Ion: 75 Resp: 18943  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 25.3 37.9#  
 39 34.9 46.7 70.1#



#56  
 Ethyl methacrylate  
 Concen: 0.265 ug/l  
 RT: 9.244 min Scan# 1338  
 Delta R.T. 0.128 min  
 Lab File: VX040253.D  
 Acq: 15 Feb 2024 15:37

Tgt Ion: 69 Resp: 393  
 Ion Ratio Lower Upper  
 69 100  
 41 6805.9 56.8 85.2#  
 39 2952.9 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.553 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

Instrument :

MSVOA\_X

ClientSampleId :

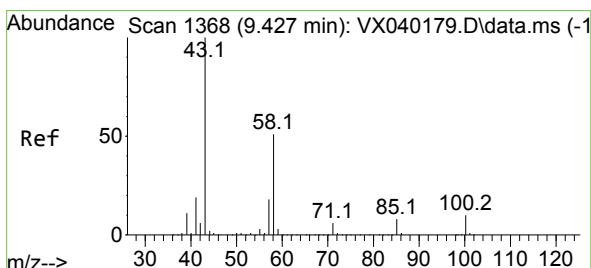
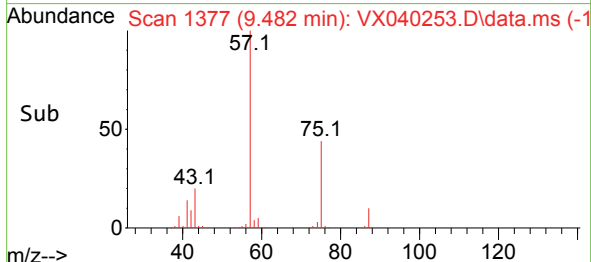
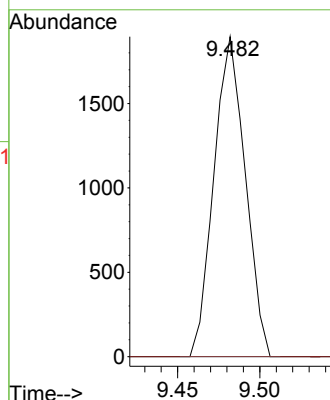
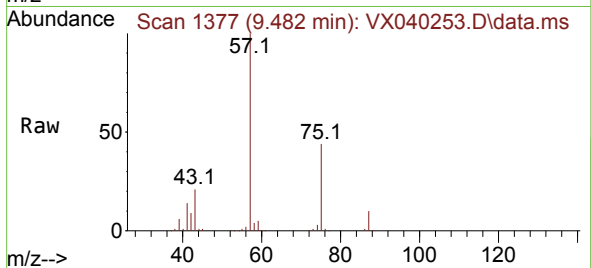
PB159010TB

Tgt Ion: 76 Resp: 2513

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 44.795 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX040253.D

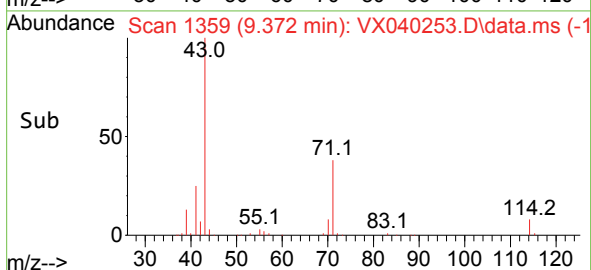
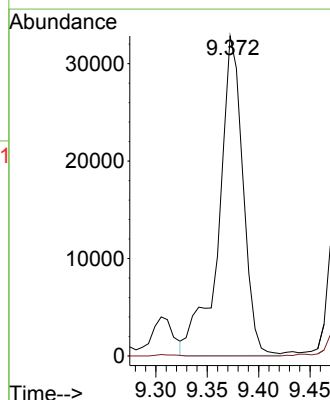
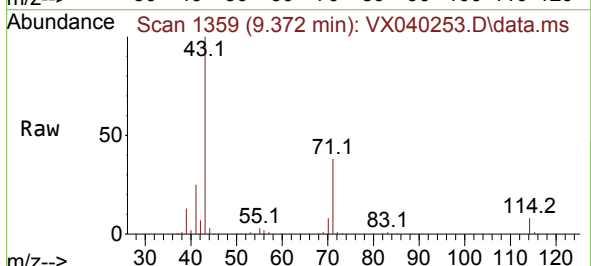
Acq: 15 Feb 2024 15:37

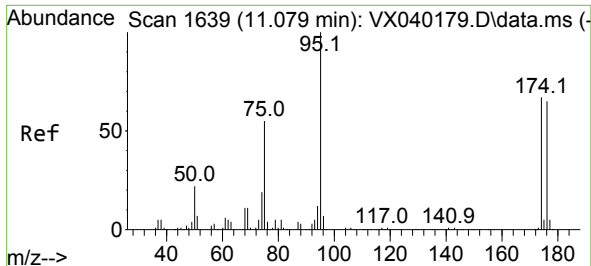
Tgt Ion: 43 Resp: 53458

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

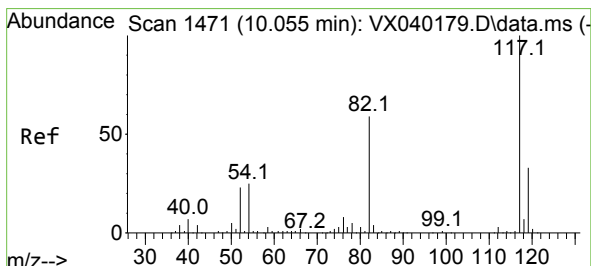
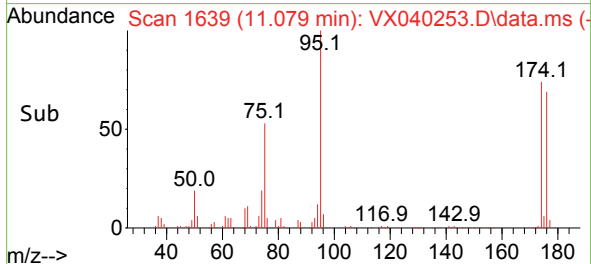
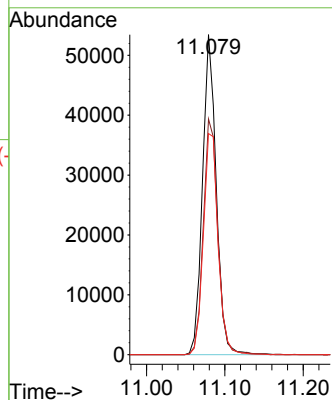
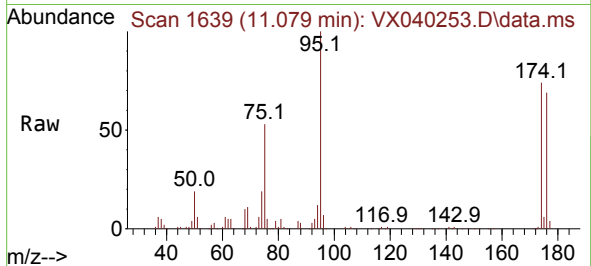




#62  
4-Bromofluorobenzene  
Concen: 47.004 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

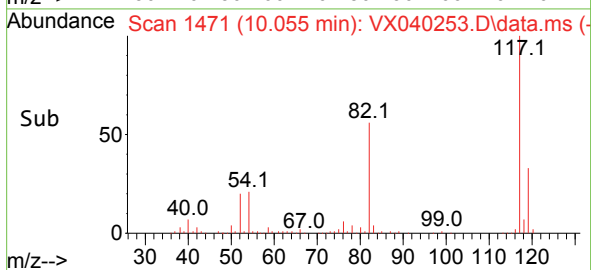
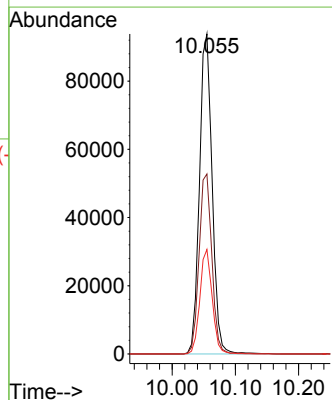
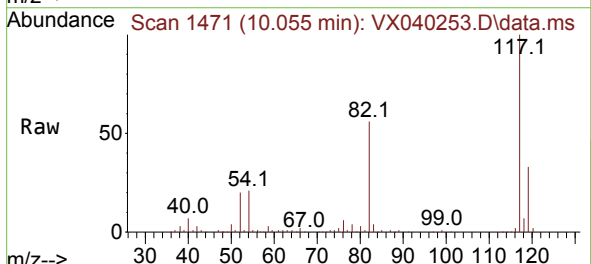
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

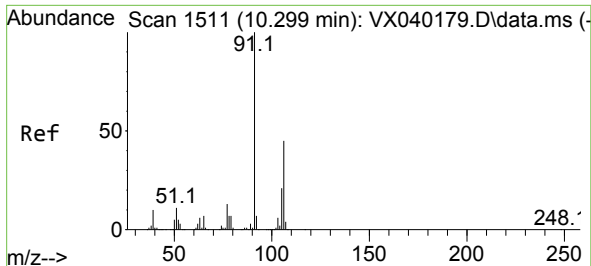
Tgt Ion: 95 Resp: 64973  
Ion Ratio Lower Upper  
95 100  
174 77.8 0.0 135.6  
176 74.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion: 117 Resp: 130837  
Ion Ratio Lower Upper  
117 100  
82 56.2 46.2 69.4  
119 32.6 25.5 38.3

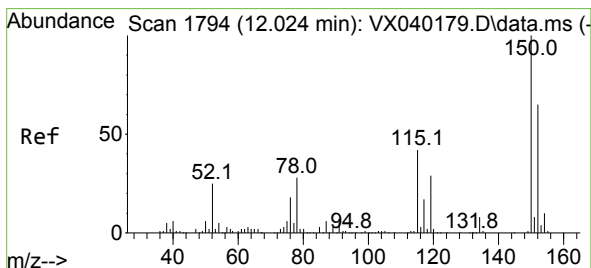
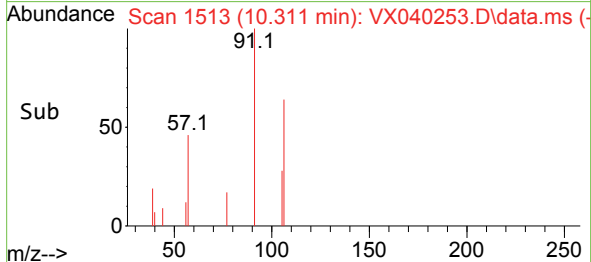
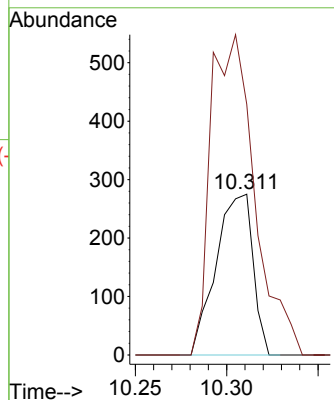
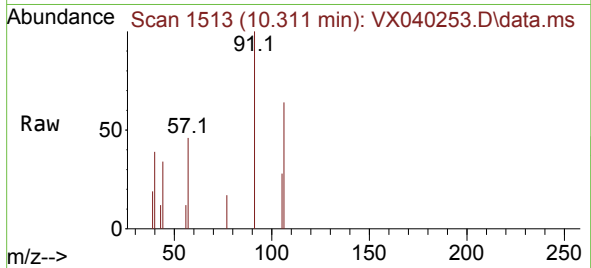




#68  
m/p-Xylenes  
Concen: 0.210 ug/l  
RT: 10.311 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

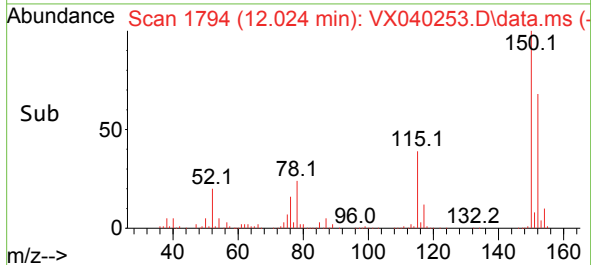
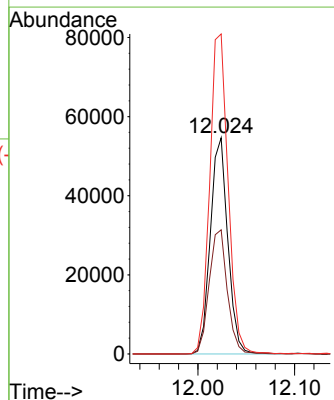
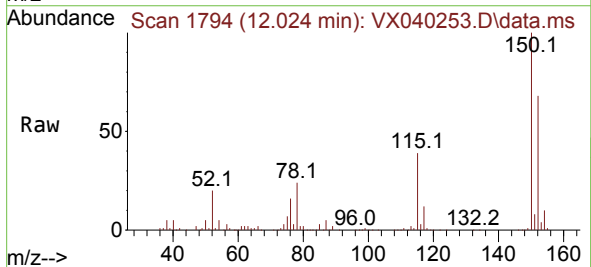
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB159010TB

Tgt Ion:106 Resp: 386  
Ion Ratio Lower Upper  
106 100  
91 237.8 165.5 248.3

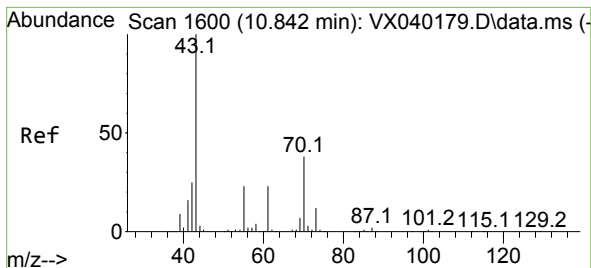


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX040253.D  
Acq: 15 Feb 2024 15:37

Tgt Ion:152 Resp: 68773  
Ion Ratio Lower Upper  
152 100  
115 59.7 43.3 129.9  
150 155.9 0.0 345.0







#74

N-amy1 acetate

Concen: 5.008 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX040253.D

Acq: 15 Feb 2024 15:37

Instrument :

MSVOA\_X

ClientSampleId :

PB159010TB

Tgt Ion: 43 Resp: 10399

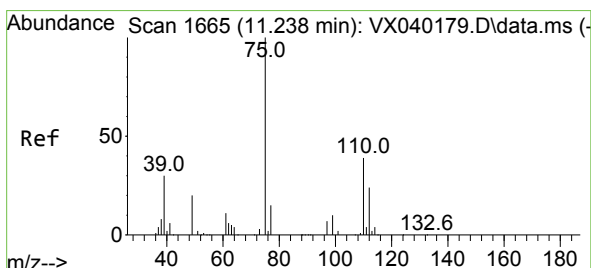
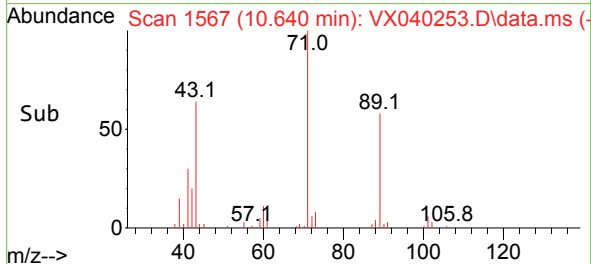
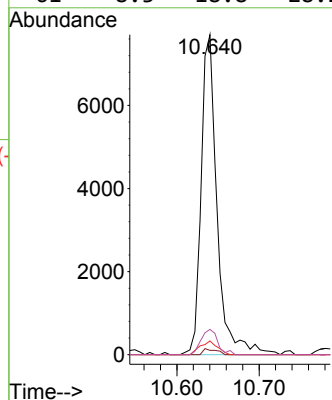
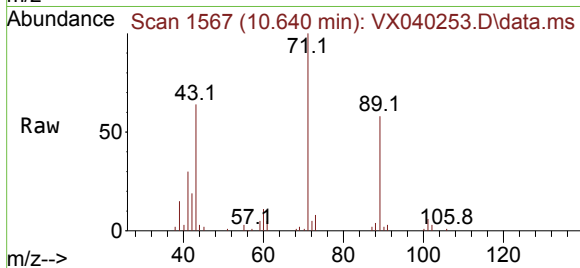
Ion Ratio Lower Upper

43 100

70 1.6 32.9 49.3#

55 4.6 19.3 28.9#

61 8.3 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.413 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040253.D

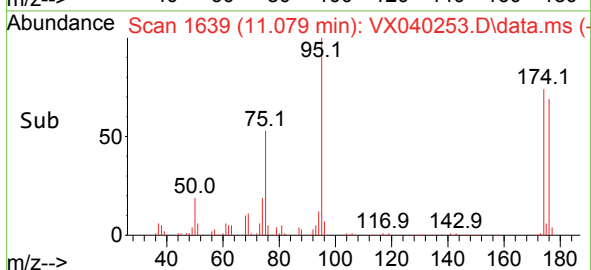
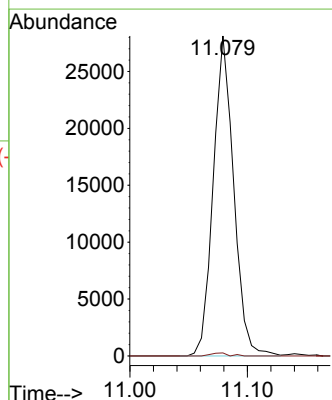
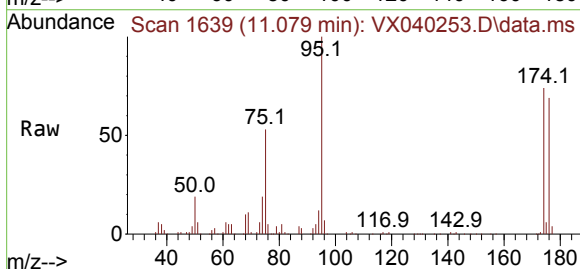
Acq: 15 Feb 2024 15:37

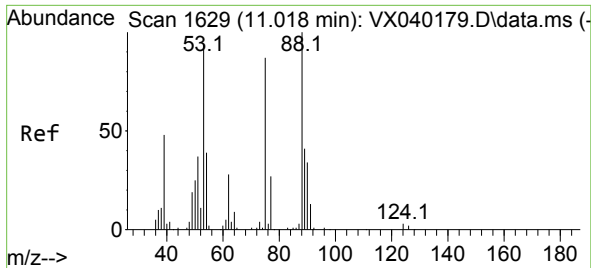
Tgt Ion: 75 Resp: 34000

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.238 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX040253.D  
 Acq: 15 Feb 2024 15:37

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB159010TB

Tgt Ion: 75 Resp: 34000  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

