

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090923\  
 Data File : VX037617.D  
 Acq On : 09 Sep 2023 10:54  
 Operator : JC/MD  
 Sample : VX0909MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0909MBL01

Quant Time: Sep 11 01:17:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 09 06:38:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 120283   | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 196801   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 176758   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 79431    | 50.000    | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 66740    | 41.105    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =     | 82.200%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 59833    | 43.467    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =     | 86.940%  |
| 50) Toluene-d8                | 8.647  | 98    | 229231   | 45.405    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =     | 90.800%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 83073    | 43.659    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =     | 87.320%  |
| Target Compounds              |        |       |          |           |       |          |
|                               |        |       |          |           |       | Qvalue   |
| 5) Bromomethane               | 1.593  | 94    | 232      | 0.372     | ug/l  | # 58     |
| 11) Tert butyl alcohol        | 2.947  | 59    | 1801     | 4.957     | ug/l  | # 78     |
| 13) Acrolein                  | 2.240  | 56    | 541      | 1.515     | ug/l  | 92       |
| 15) Acrylonitrile             | 3.075  | 53    | 785      | 0.991     | ug/l  | 94       |
| 16) Acetone                   | 2.380  | 43    | 1335     | 1.999     | ug/l  | 99       |
| 17) Carbon Disulfide          | 2.508  | 76    | 1603     | 0.496     | ug/l  | # 80     |
| 18) Methyl Acetate            | 2.703  | 43    | 824      | 0.304     | ug/l  | 94       |
| 20) Methylene Chloride        | 2.782  | 84    | 471      | Below Cal | #     | 76       |
| 21) trans-1,2-Dichloroethene  | 3.087  | 96    | 358      | 0.248     | ug/l  | # 75     |
| 23) Vinyl Acetate             | 3.733  | 43    | 1368     | 0.500     | ug/l  | # 73     |
| 25) 2-Butanone                | 4.574  | 43    | 407      | 0.402     | ug/l  | # 81     |
| 26) 2,2-Dichloropropane       | 4.581  | 77    | 448      | 0.243     | ug/l  | # 54     |
| 29) Tetrahydrofuran           | 5.032  | 42    | 585      | 0.902     | ug/l  | 93       |
| 31) Cyclohexane               | 5.538  | 56    | 2129     | 1.078     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8816     | 4.848     | ug/l  | # 51     |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11923    | 6.344     | ug/l  | # 14     |
| 44) Trichloroethene           | 7.135  | 130   | 498      | 0.324     | ug/l  | 71       |
| 49) 1,4-Dioxane               | 7.678  | 88    | 197      | 4.698     | ug/l  | # 49     |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43    | 1240     | 0.698     | ug/l  | 92       |
| 58) 2-Chloroethyl Vinyl ether | 8.257  | 63    | 505      | 0.453     | ug/l  | 91       |
| 59) 2-Hexanone                | 9.439  | 43    | 1057     | 0.780     | ug/l  | 99       |
| 65) Chlorobenzene             | 10.080 | 112   | 782      | 0.201     | ug/l  | 99       |
| 68) m/p-Xylenes               | 10.305 | 106   | 884      | 0.340     | ug/l  | 97       |
| 71) Bromoform                 | 10.805 | 173   | 98       | 0.235     | ug/l  | # 29     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38656    | 20.789    | ug/l  | # 39     |
| 77) Bromobenzene              | 11.201 | 156   | 459      | 0.311     | ug/l  | 94       |
| 78) n-propylbenzene           | 11.305 | 91    | 1899     | 0.286     | ug/l  | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91    | 1246     | 0.296     | ug/l  | 94       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105   | 1312     | 0.259     | ug/l  | 94       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38656    | 62.296    | ug/l  | # 5      |
| 82) 4-Chlorotoluene           | 11.457 | 91    | 1761     | 0.370     | ug/l  | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119   | 1200     | 0.235     | ug/l  | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 1516     | 0.300     | ug/l  | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105   | 1705     | 0.277     | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119   | 1724     | 0.331     | ug/l  | 86       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146   | 1253     | 0.446     | ug/l  | 94       |

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Acq On : 09 Sep 2023 10:54  
Operator : JC/MD  
Sample : VX0909MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

Quant Time: Sep 11 01:17:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 09 06:38:11 2023  
Response via : Initial Calibration

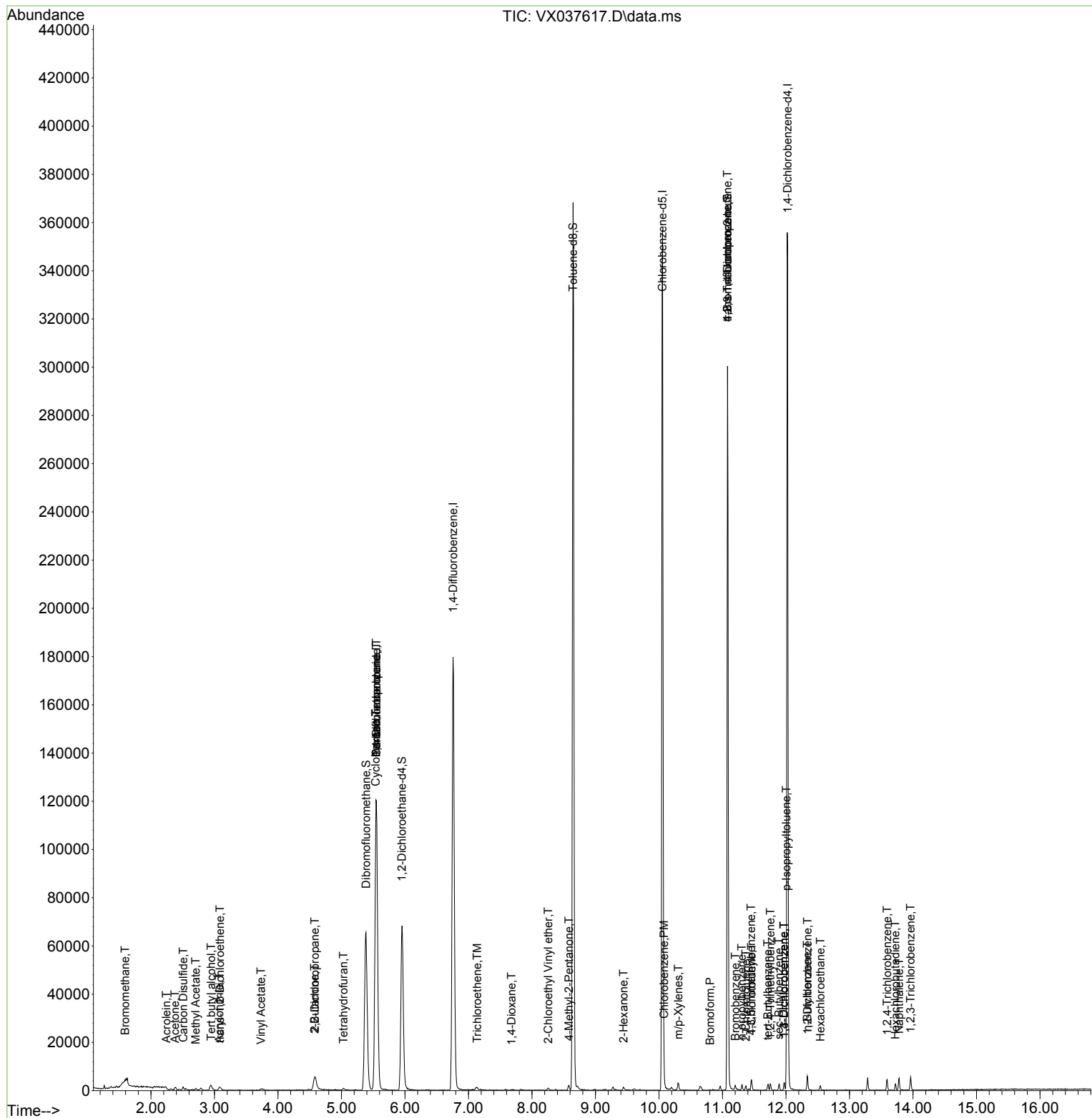
| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| 88) 1,4-Dichlorobenzene    | 11.969 | 146  | 1253     | 0.438 | ug/l  | 93       |
| 89) n-Butylbenzene         | 12.335 | 91   | 1622     | 0.379 | ug/l  | 96       |
| 90) Hexachloroethane       | 12.543 | 117  | 262      | 0.296 | ug/l  | 89       |
| 91) 1,2-Dichlorobenzene    | 12.341 | 146  | 1062     | 0.379 | ug/l  | 98       |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180  | 1480     | 0.874 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.719 | 225  | 482      | 0.645 | ug/l  | 89       |
| 95) Naphthalene            | 13.780 | 128  | 3865     | 0.654 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180  | 1667     | 0.953 | ug/l  | 96       |

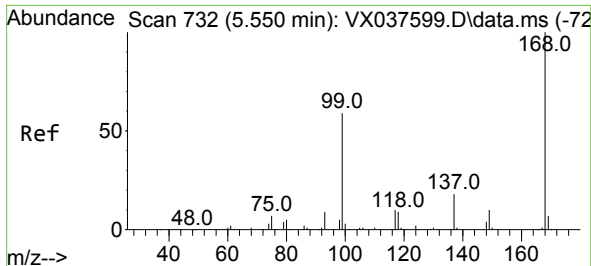
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 3 Sample Multiplier: 1

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X090823W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 09 06:38:11 2023  
 Response via : Initial Calibration

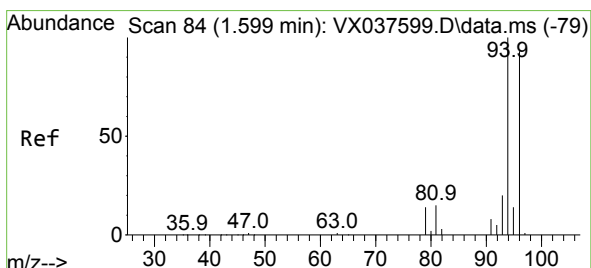
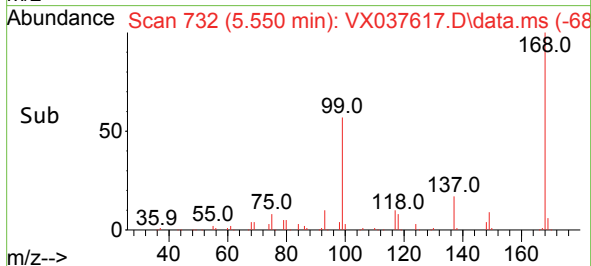
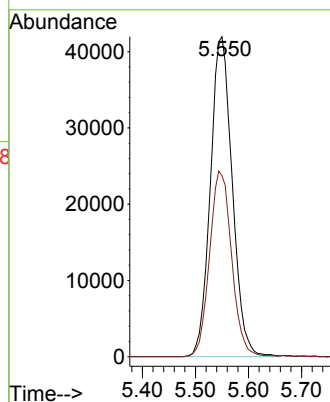
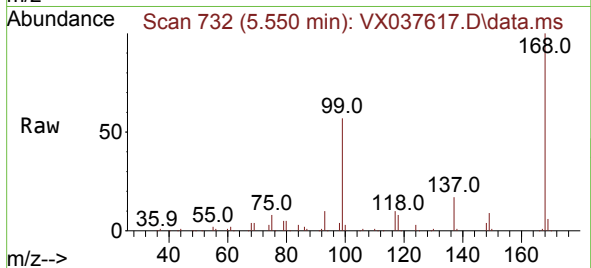




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

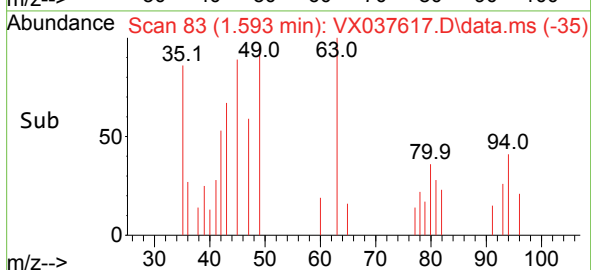
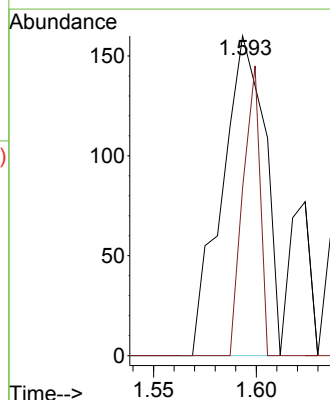
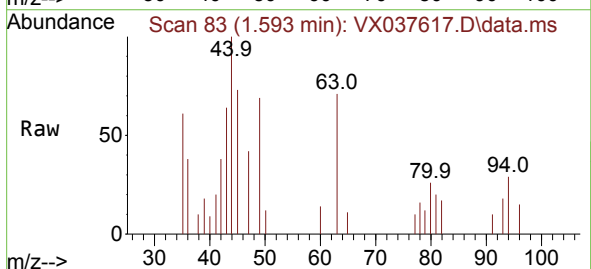
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

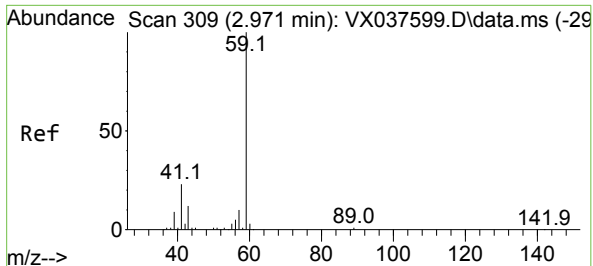
Tgt Ion:168 Resp: 120283  
Ion Ratio Lower Upper  
168 100  
99 56.6 56.6 85.0#



#5  
Bromomethane  
Concen: 0.372 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 94 Resp: 232  
Ion Ratio Lower Upper  
94 100  
96 52.5 74.6 111.8#





#11

Tert butyl alcohol

Concen: 4.957 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

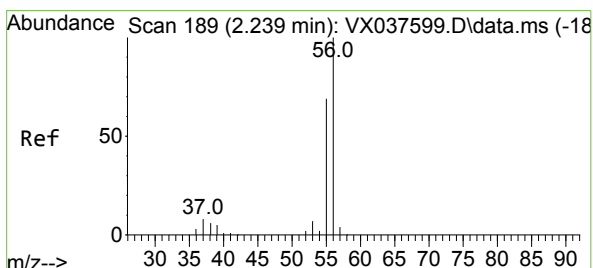
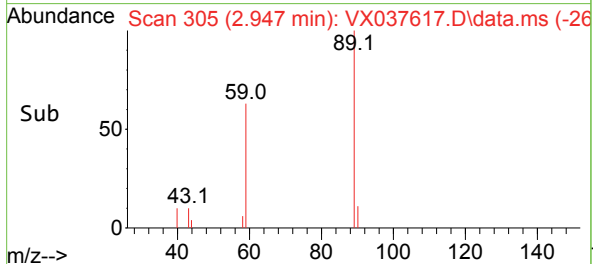
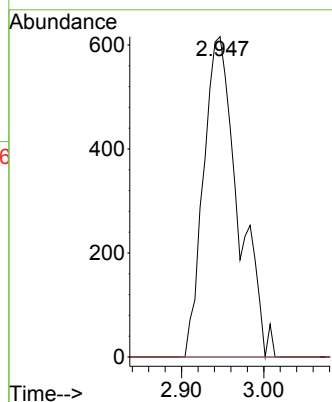
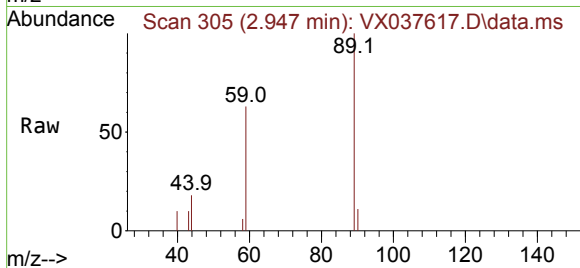
VX0909MBL01

Tgt Ion: 59 Resp: 1801

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.515 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX037617.D

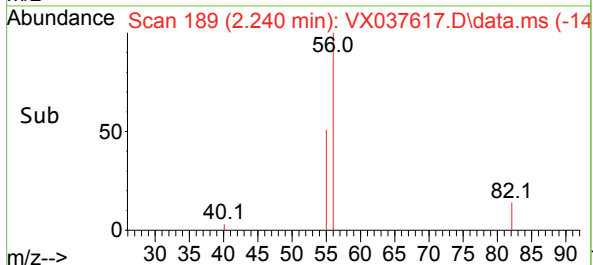
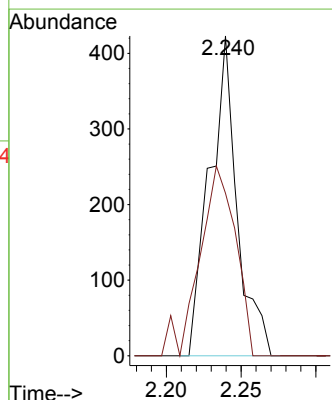
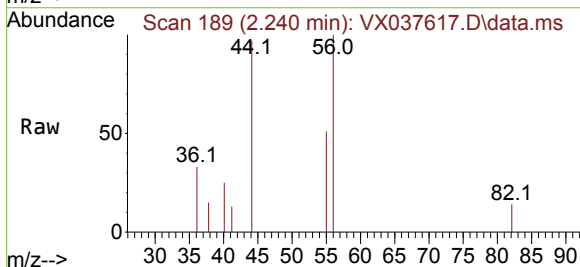
Acq: 09 Sep 2023 10:54

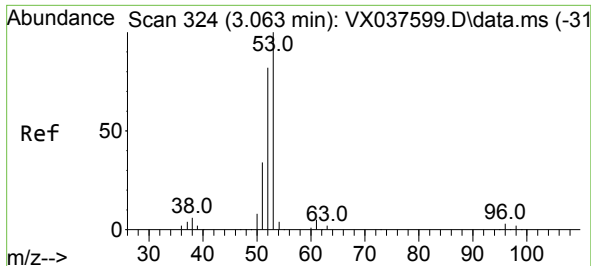
Tgt Ion: 56 Resp: 541

Ion Ratio Lower Upper

56 100

55 77.8 57.1 85.7

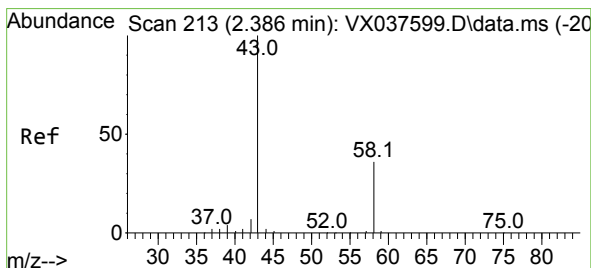
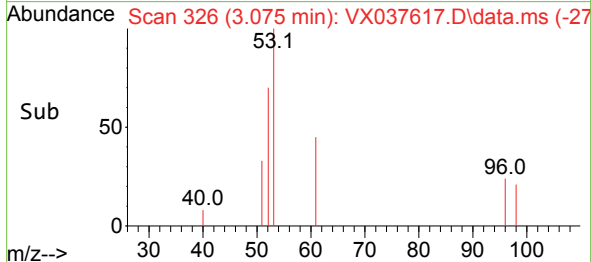
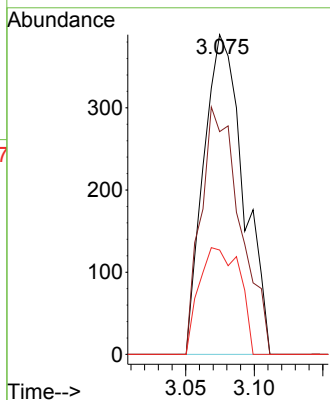
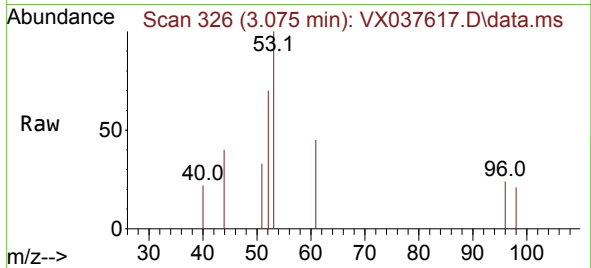




#15  
Acrylonitrile  
Concen: 0.991 ug/l  
RT: 3.075 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

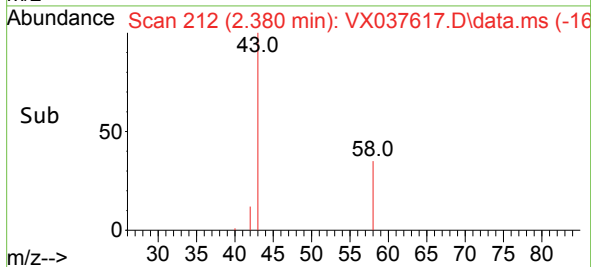
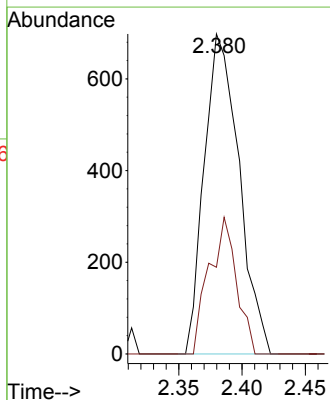
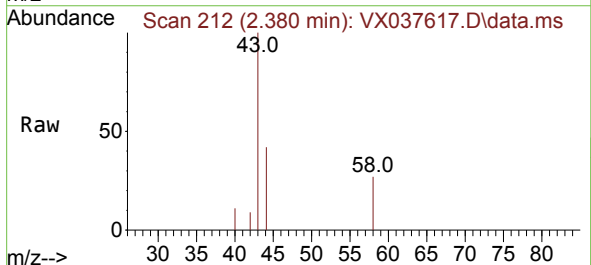
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

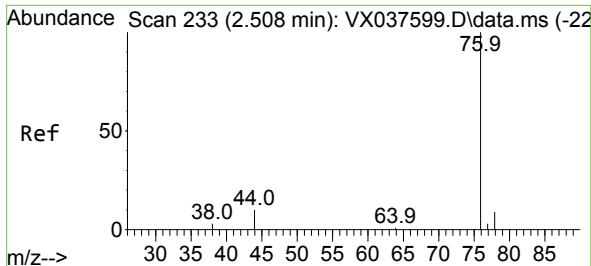
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 785   |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 76.3     | 66.0 99.0   |
| 51 34.0     | 29.8 44.6   |



#16  
Acetone  
Concen: 1.999 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 1335  |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 58          | 27.1  | 21.9  | 32.9  |





#17

Carbon Disulfide

Concen: 0.496 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

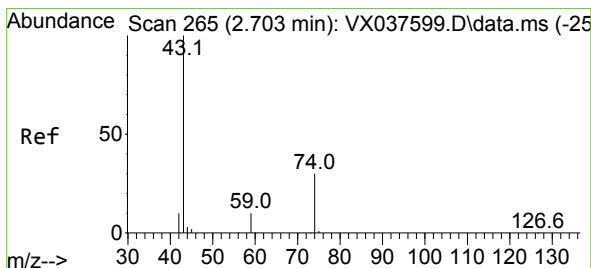
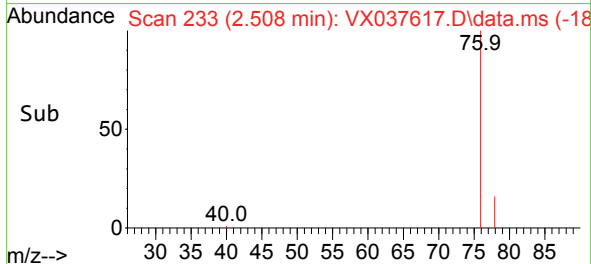
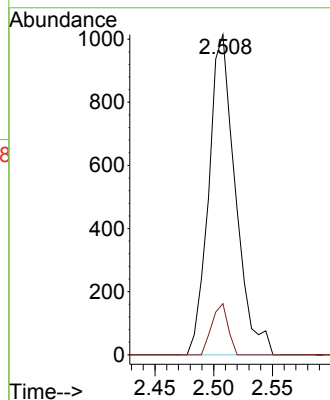
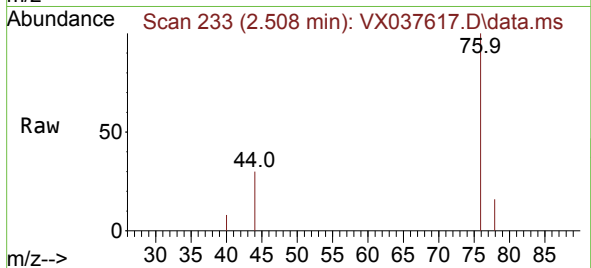
VX0909MBL01

Tgt Ion: 76 Resp: 1603

Ion Ratio Lower Upper

76 100

78 16.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.304 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX037617.D

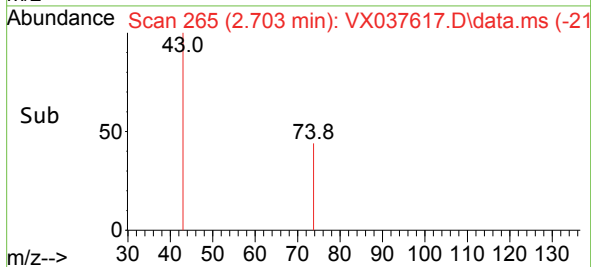
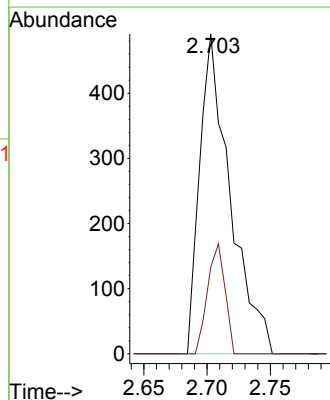
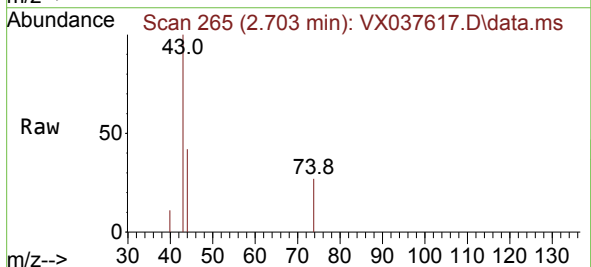
Acq: 09 Sep 2023 10:54

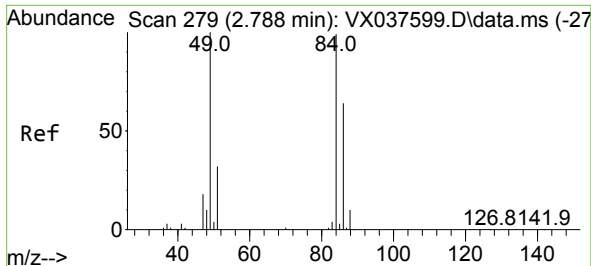
Tgt Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

74 19.7 17.8 26.8

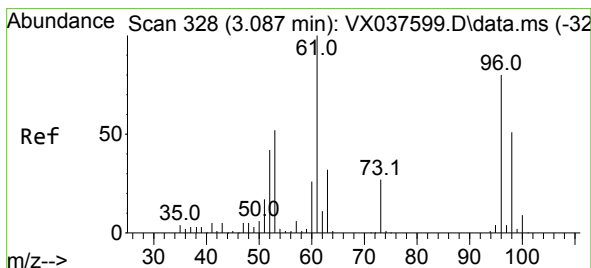
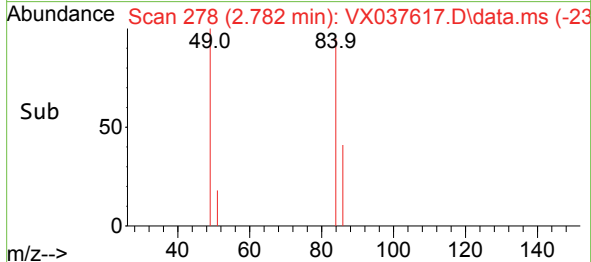
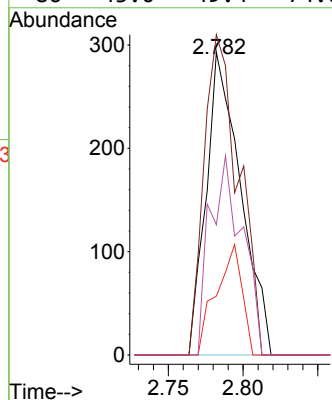
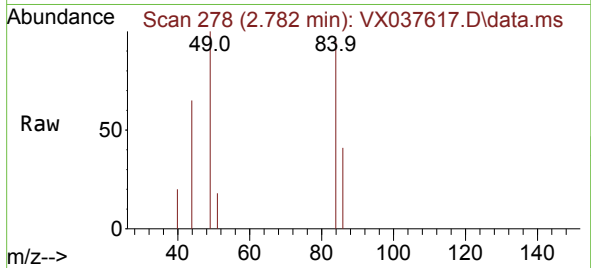




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 2.782 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

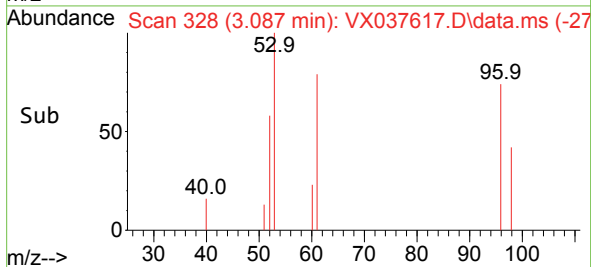
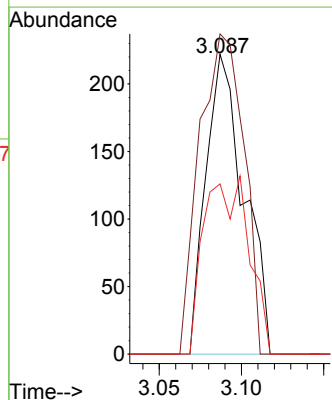
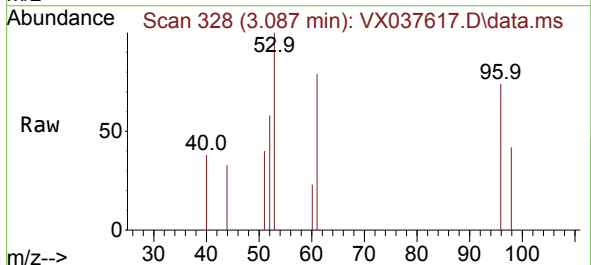
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 471   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 105.8 | 103.6 | 155.4 |
| 51       | 19.5  | 33.8  | 50.6# |
| 86       | 43.0  | 49.4  | 74.0# |

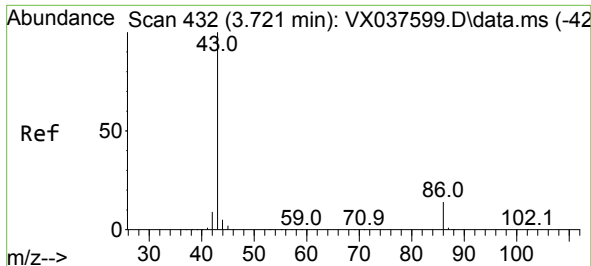


#21  
trans-1,2-Dichloroethene  
Concen: 0.248 ug/l  
RT: 3.087 min Scan# 328  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 358    |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 106.8 | 119.2 | 178.8# |
| 98       | 56.8  | 48.7  | 73.1   |



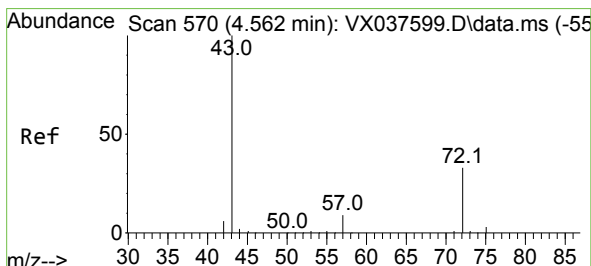
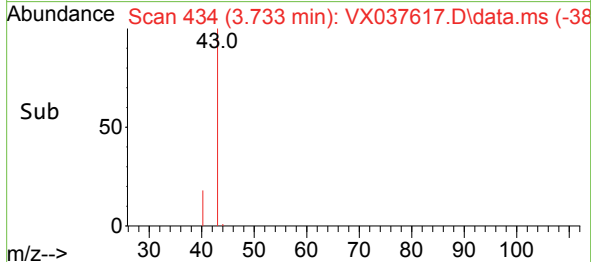
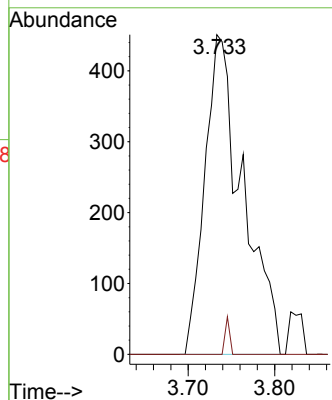
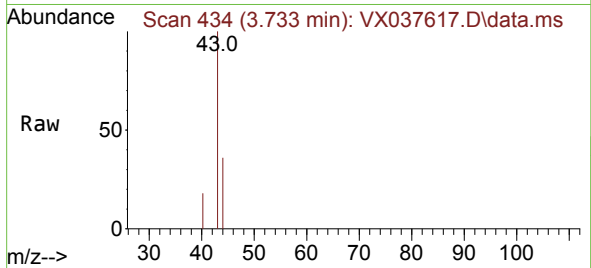




#23  
 Vinyl Acetate  
 Concen: 0.500 ug/l  
 RT: 3.733 min Scan# 41  
 Delta R.T. 0.012 min  
 Lab File: VX037617.D  
 Acq: 09 Sep 2023 10:54

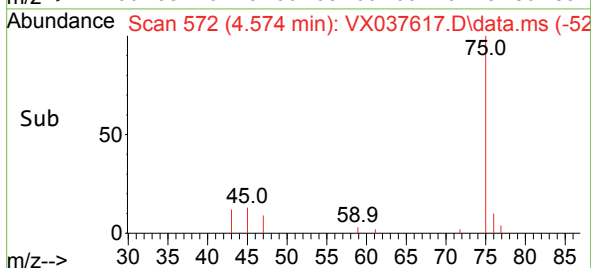
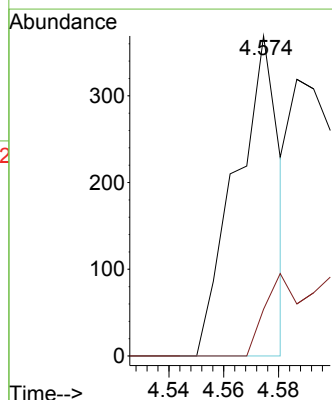
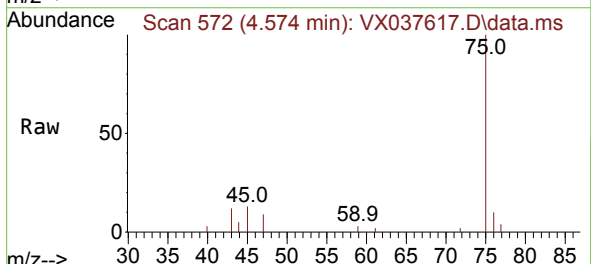
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0909MBL01

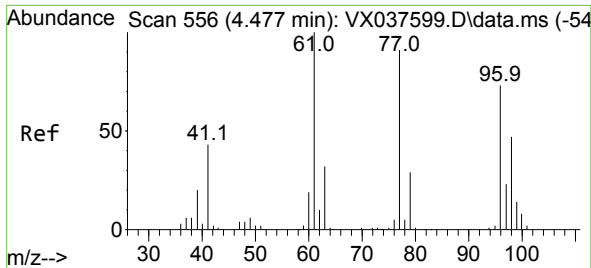
Tgt Ion: 43 Resp: 1368  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.8 11.8#



#25  
 2-Butanone  
 Concen: 0.402 ug/l  
 RT: 4.574 min Scan# 572  
 Delta R.T. 0.012 min  
 Lab File: VX037617.D  
 Acq: 09 Sep 2023 10:54

Tgt Ion: 43 Resp: 407  
 Ion Ratio Lower Upper  
 43 100  
 72 14.6 19.4 29.2#

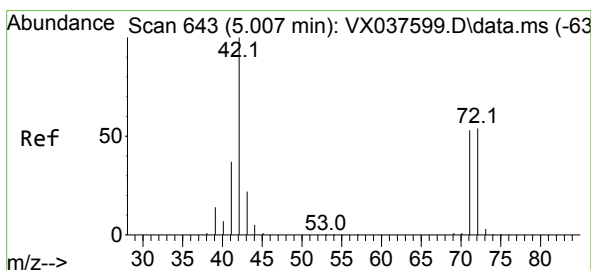
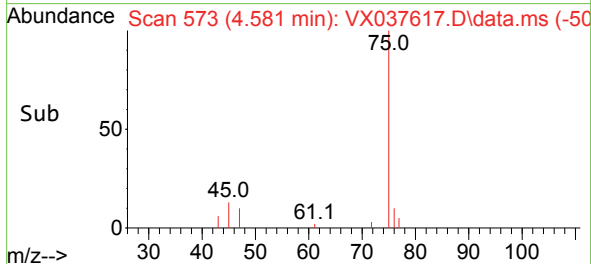
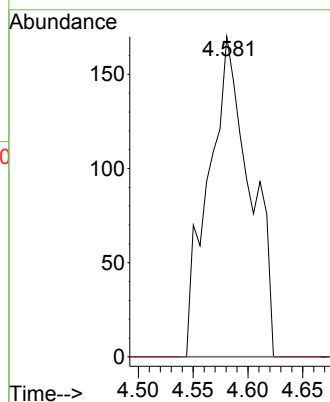
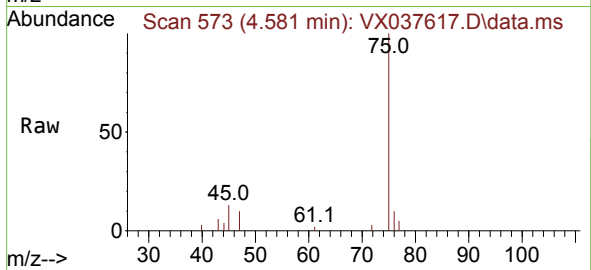




#26  
2,2-Dichloropropane  
Concen: 0.243 ug/l  
RT: 4.581 min Scan# 51  
Delta R.T. 0.104 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

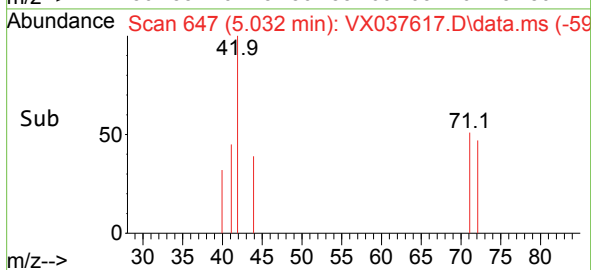
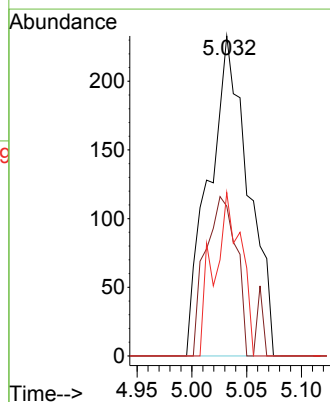
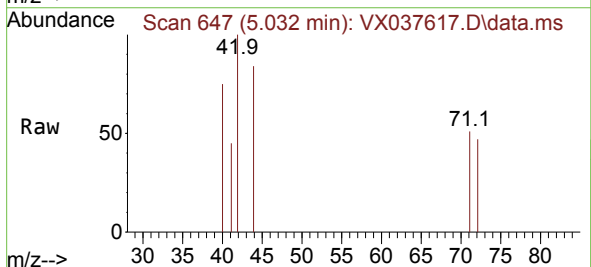
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

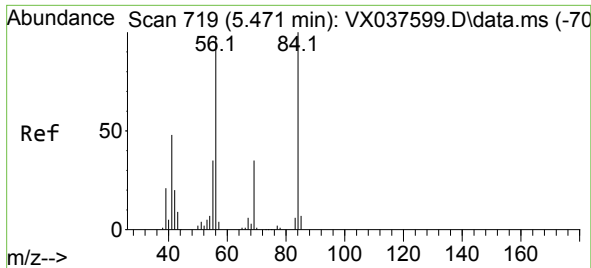
Tgt Ion: 77 Resp: 448  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.8 32.3#



#29  
Tetrahydrofuran  
Concen: 0.902 ug/l  
RT: 5.032 min Scan# 647  
Delta R.T. 0.024 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 42 Resp: 585  
Ion Ratio Lower Upper  
42 100  
72 39.0 34.2 51.4  
71 34.9 32.2 48.2

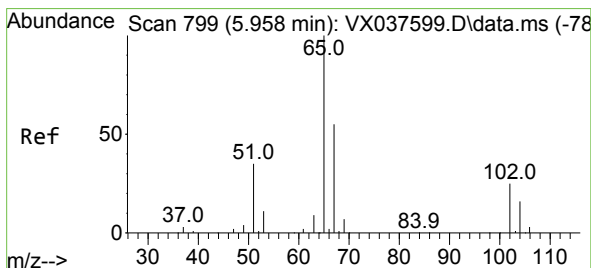
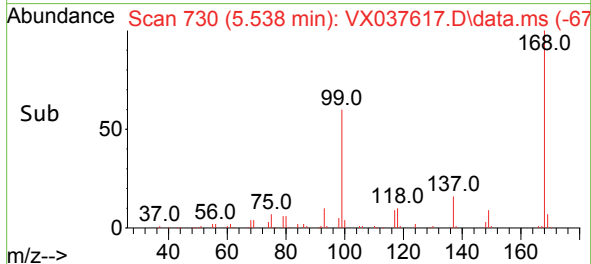
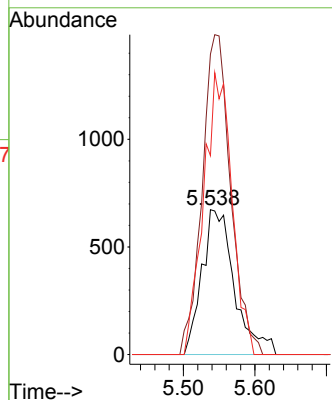
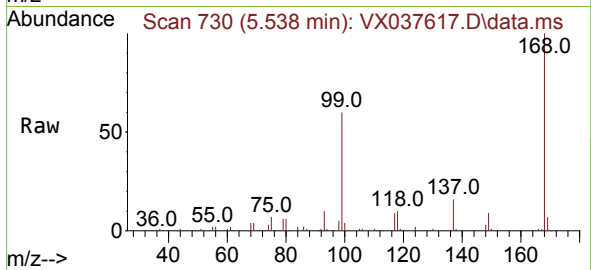




#31  
Cyclohexane  
Concen: 1.078 ug/l  
RT: 5.538 min Scan# 719  
Delta R.T. 0.067 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

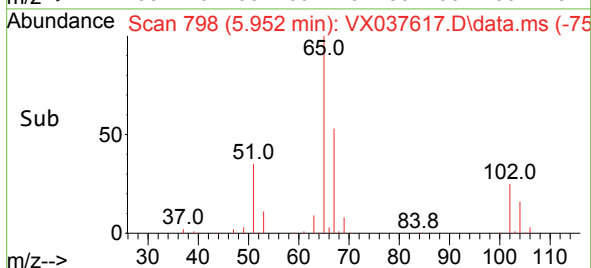
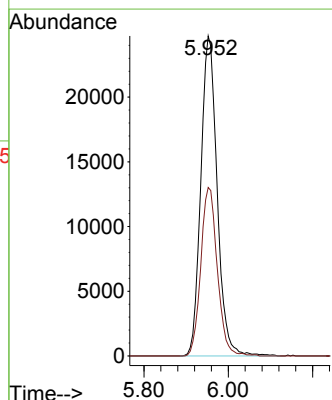
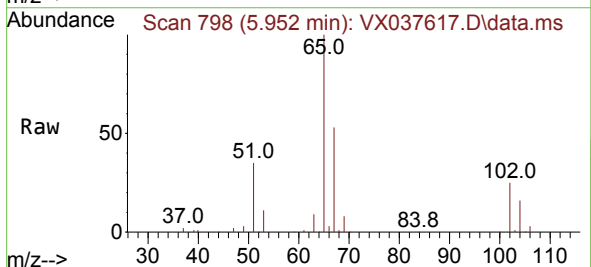
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

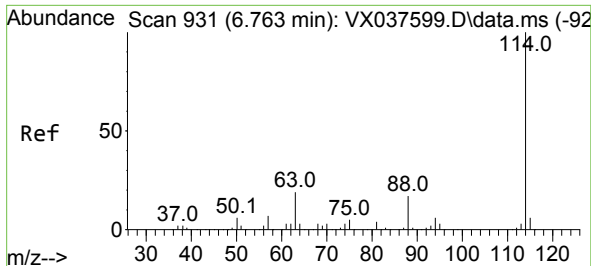
Tgt Ion: 56 Resp: 2129  
Ion Ratio Lower Upper  
56 100  
69 207.3 23.4 35.2#  
84 137.3 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 41.105 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 65 Resp: 66740  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 100.2

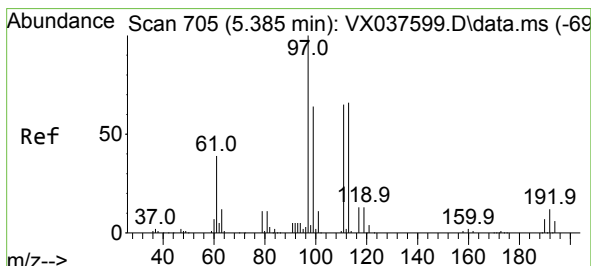
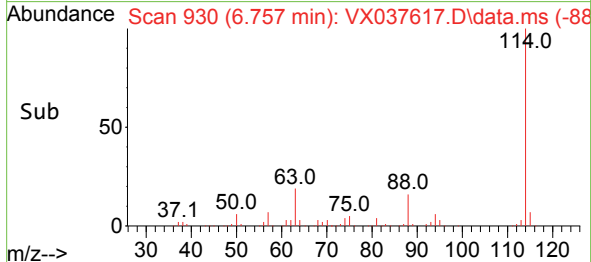
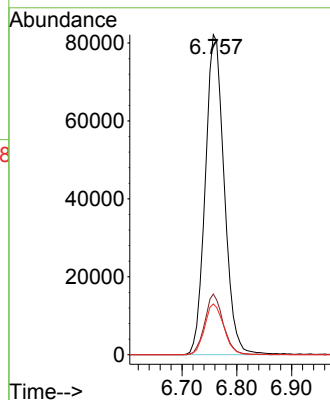
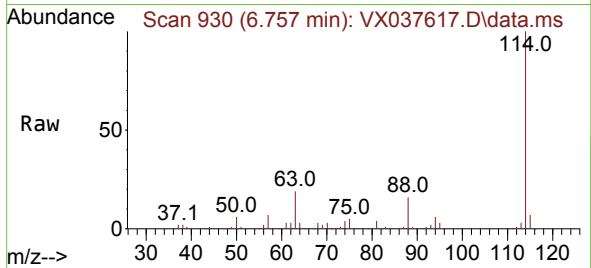




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

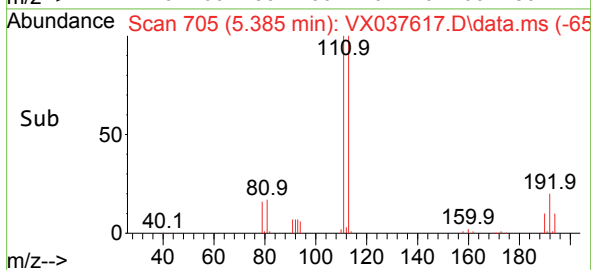
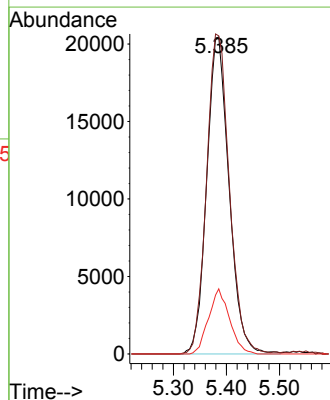
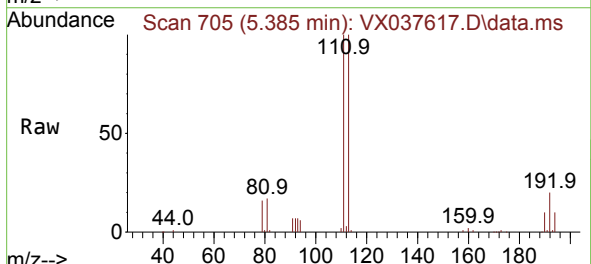
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

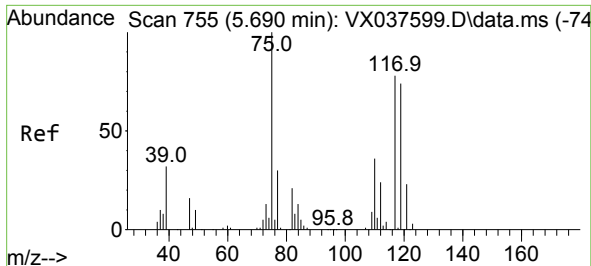
Tgt Ion:114 Resp: 196801  
Ion Ratio Lower Upper  
114 100  
63 19.0 0.0 45.0  
88 15.9 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 43.467 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion:113 Resp: 59833  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.9 124.3  
192 19.3 13.3 19.9

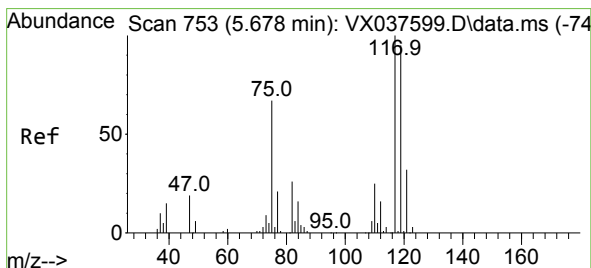
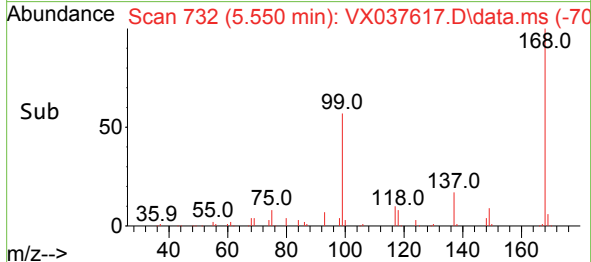
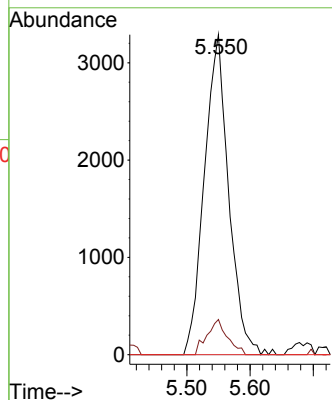
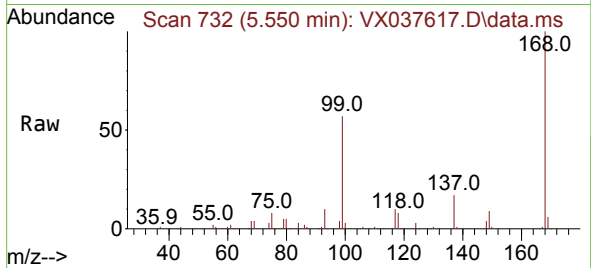




#36  
1,1-Dichloropropene  
Concen: 4.848 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.140 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

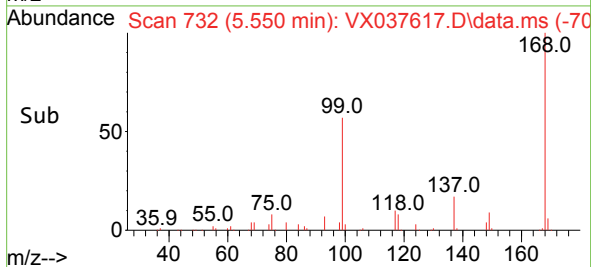
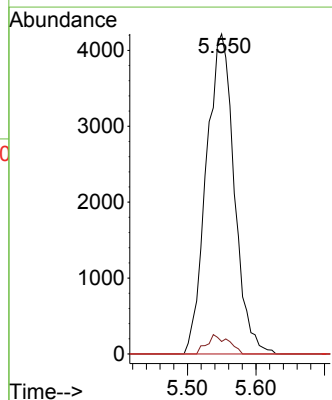
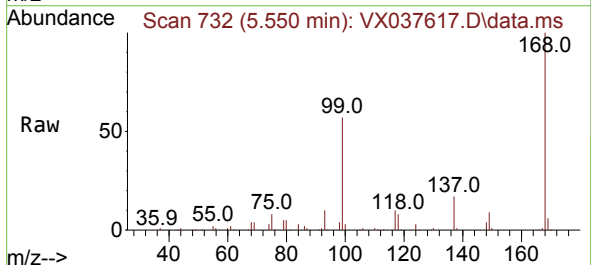
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

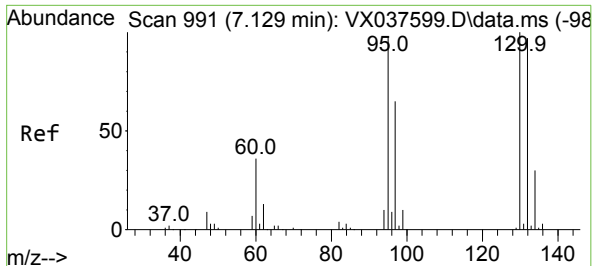
Tgt Ion: 75 Resp: 8816  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.344 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 117 Resp: 11923  
Ion Ratio Lower Upper  
117 100  
119 3.9 78.2 117.2#  
121 0.0 24.4 36.6#





#44

Trichloroethene

Concen: 0.324 ug/l

RT: 7.135 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

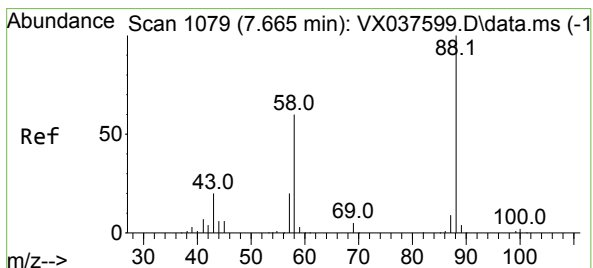
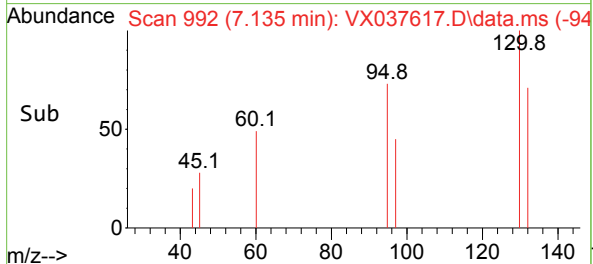
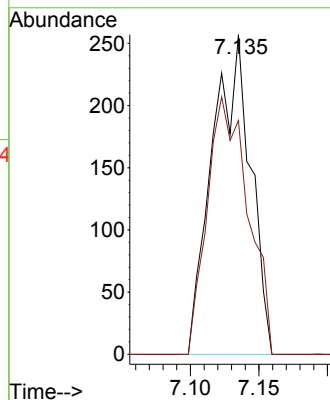
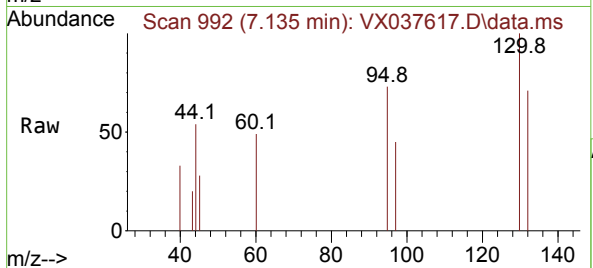
VX0909MBL01

Tgt Ion:130 Resp: 498

Ion Ratio Lower Upper

130 100

95 73.2 0.0 204.4



#49

1,4-Dioxane

Concen: 4.698 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

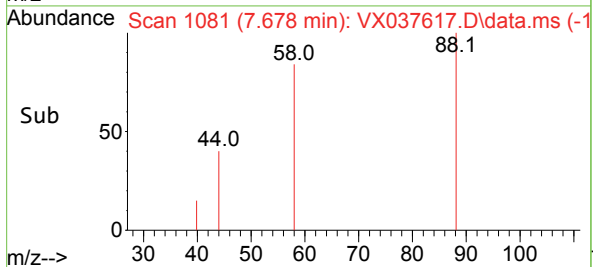
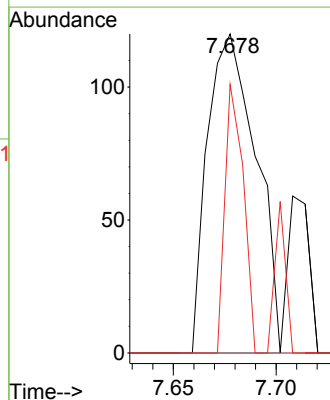
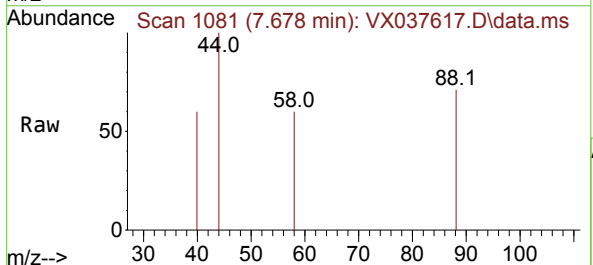
Tgt Ion: 88 Resp: 197

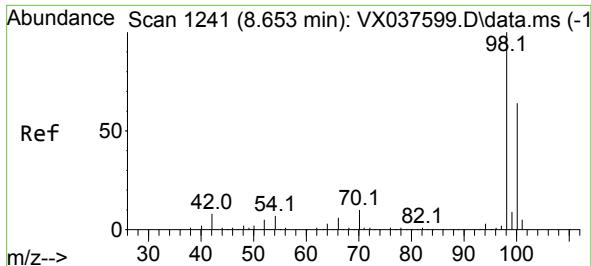
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 32.0 60.1 90.1#

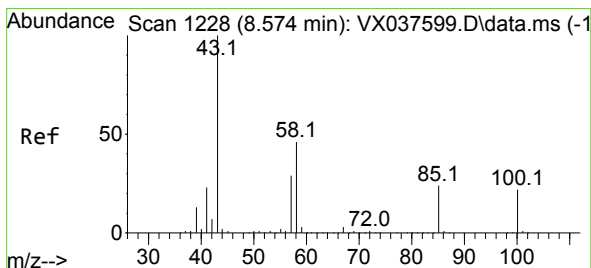
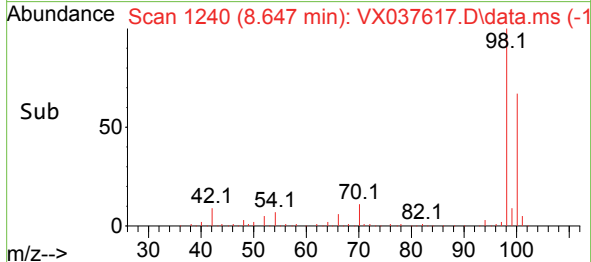
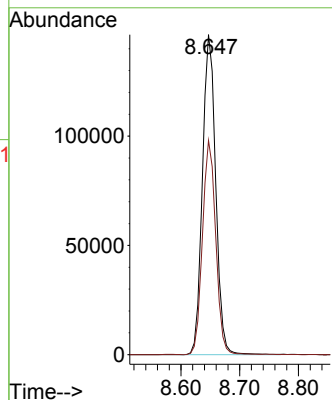
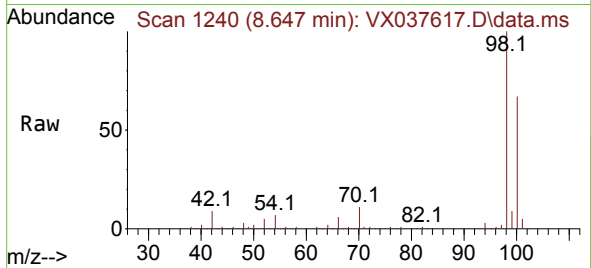




#50  
Toluene-d8  
Concen: 45.405 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

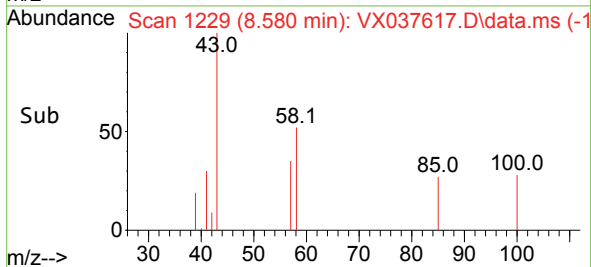
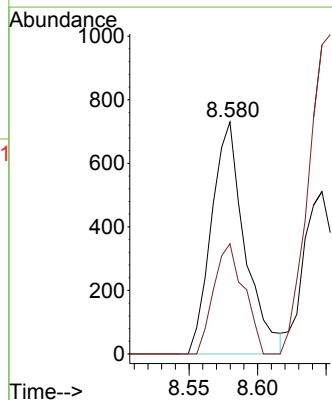
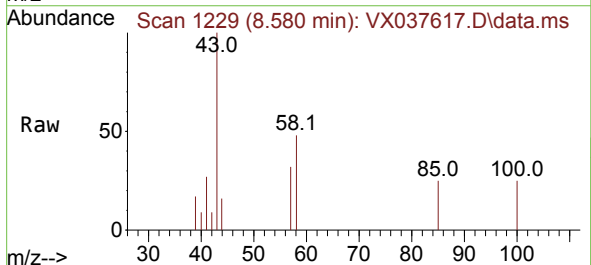
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

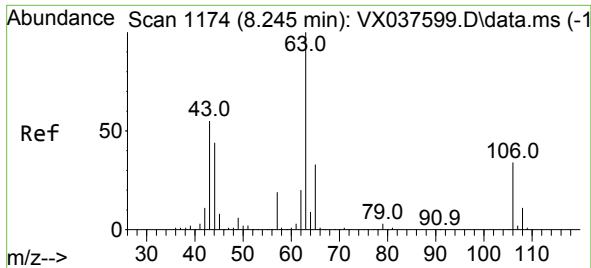
Tgt Ion: 98 Resp: 229231  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.698 ug/l  
RT: 8.580 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 43 Resp: 1240  
Ion Ratio Lower Upper  
43 100  
58 43.1 30.4 45.6

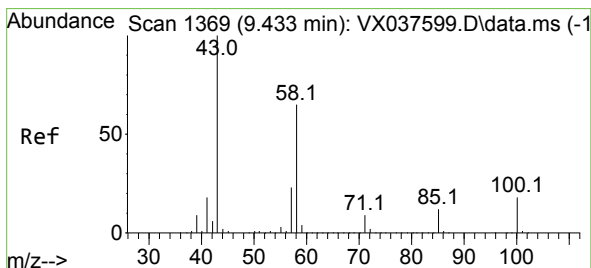
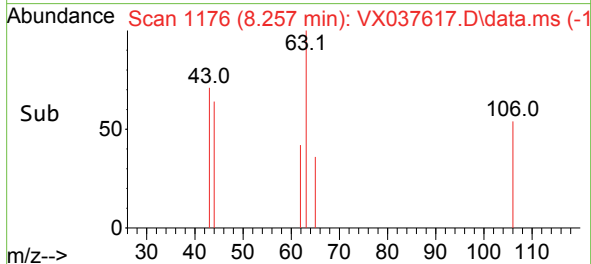
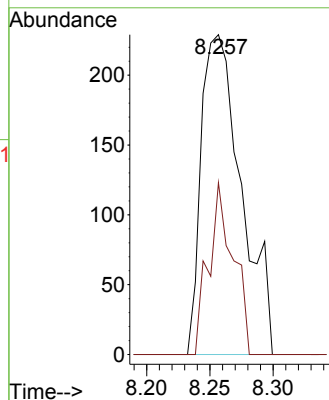
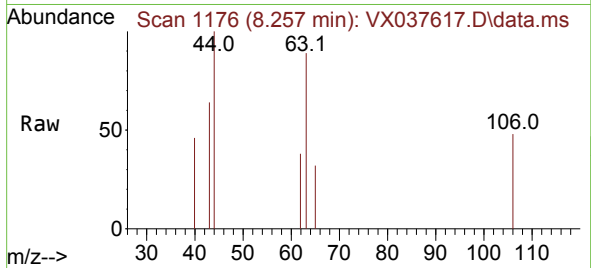




#58  
2-Chloroethyl Vinyl ether  
Concen: 0.453 ug/l  
RT: 8.257 min Scan# 1176  
Delta R.T. 0.012 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

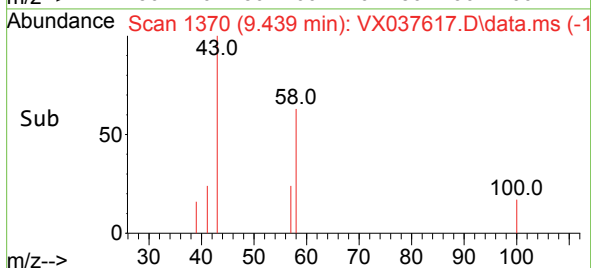
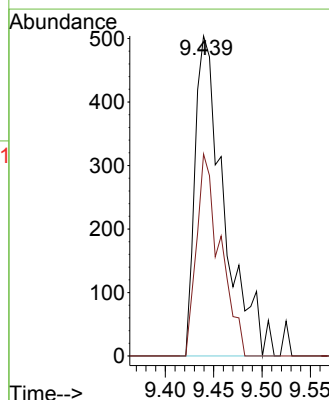
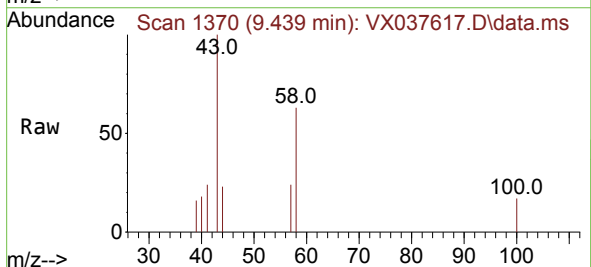
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

Tgt Ion: 63 Resp: 505  
Ion Ratio Lower Upper  
63 100  
106 32.9 22.5 33.7

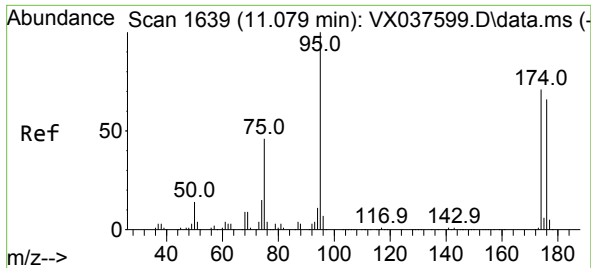


#59  
2-Hexanone  
Concen: 0.780 ug/l  
RT: 9.439 min Scan# 1370  
Delta R.T. 0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 43 Resp: 1057  
Ion Ratio Lower Upper  
43 100  
58 51.3 26.2 78.5



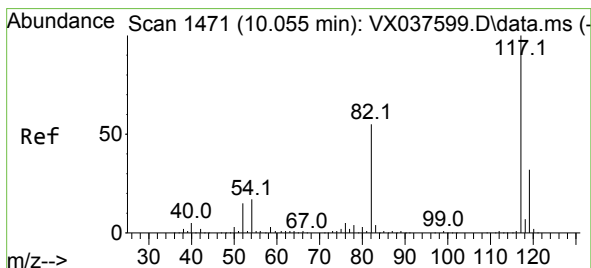
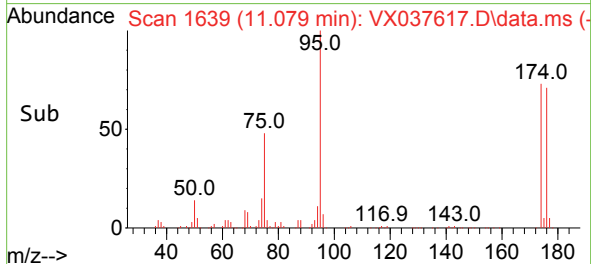
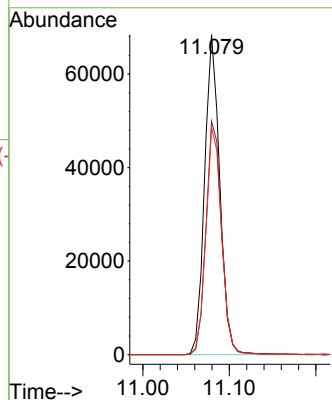
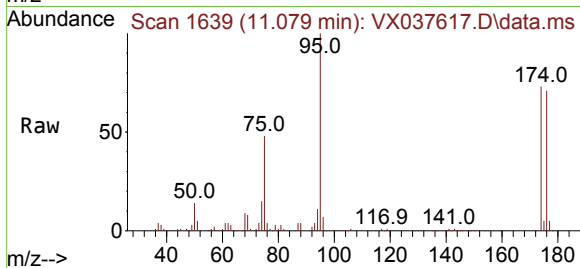




#62  
4-Bromofluorobenzene  
Concen: 43.659 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

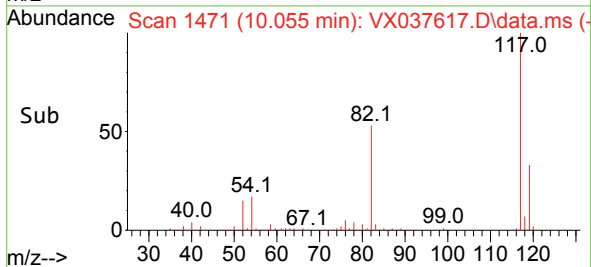
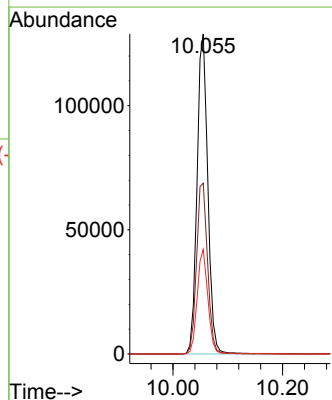
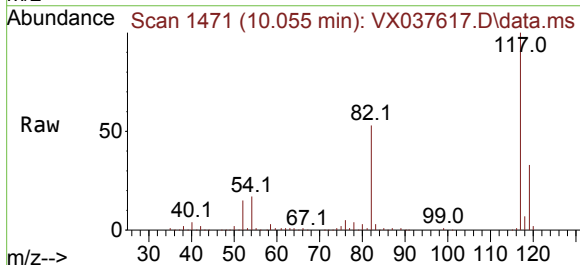
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

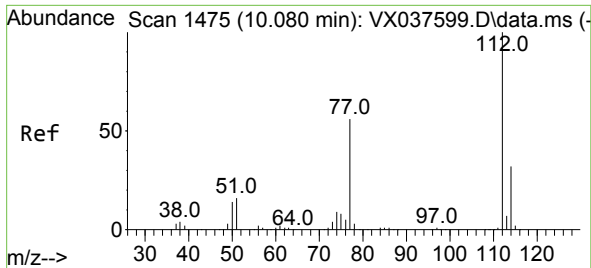
Tgt Ion: 95 Resp: 83073  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 135.6  
176 73.4 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 117 Resp: 176758  
Ion Ratio Lower Upper  
117 100  
82 53.3 46.2 69.4  
119 32.7 25.5 38.3

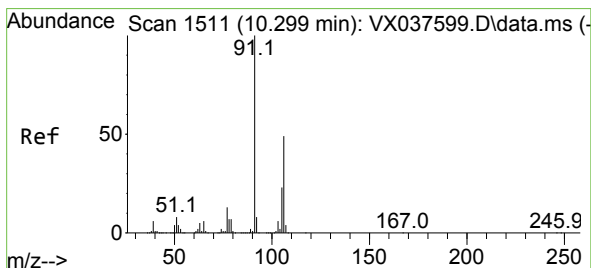
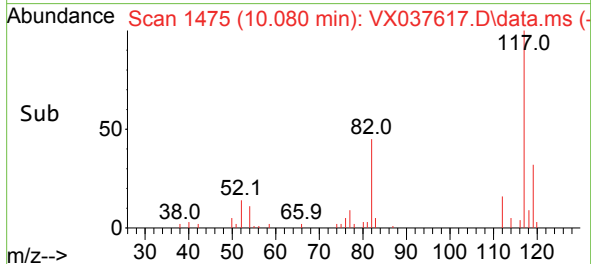
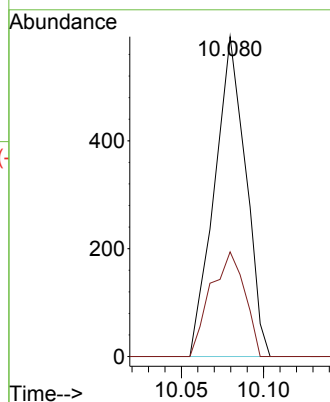
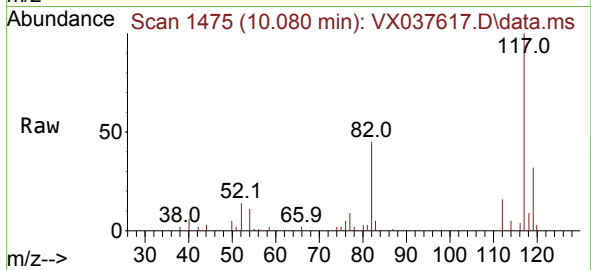




#65  
Chlorobenzene  
Concen: 0.201 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

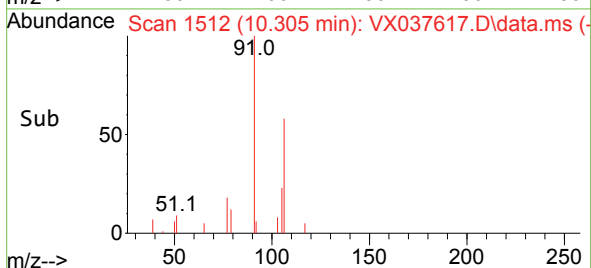
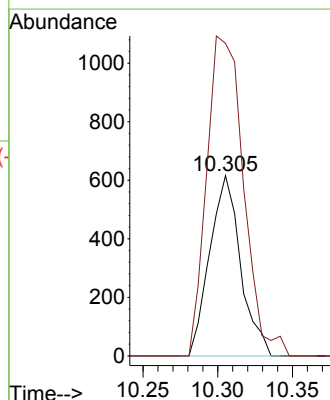
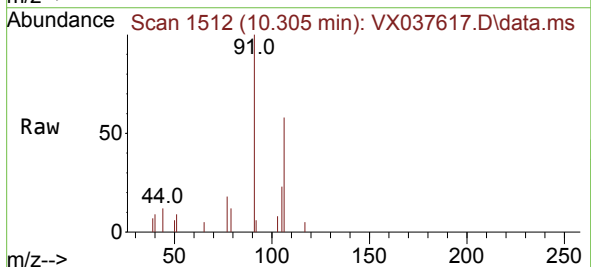
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

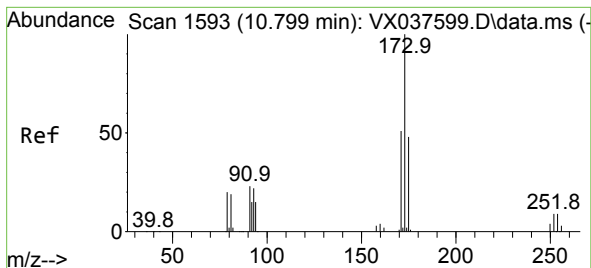
Tgt Ion:112 Resp: 782  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.7 38.5



#68  
m/p-Xylenes  
Concen: 0.340 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion:106 Resp: 884  
Ion Ratio Lower Upper  
106 100  
91 211.3 165.5 248.3





#71

Bromoform

Concen: 0.235 ug/l

RT: 10.805 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

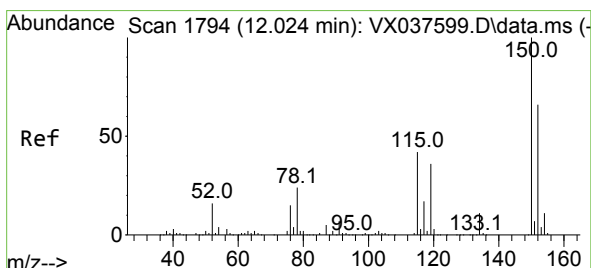
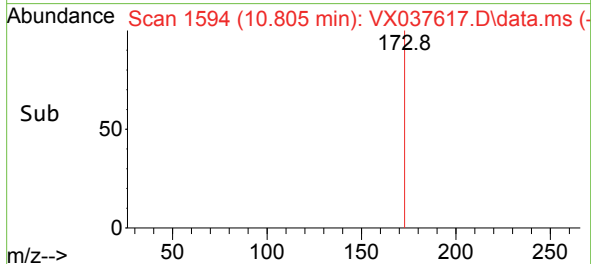
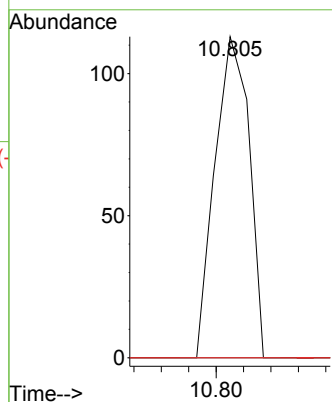
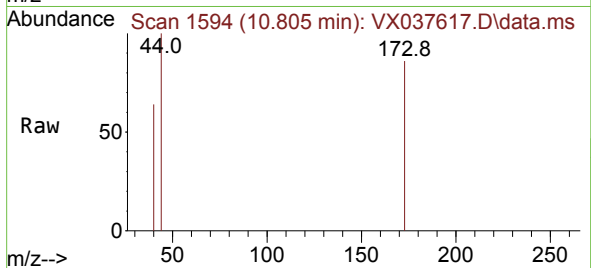
Instrument :

MSVOA\_X

ClientSampleId :

VX0909MBL01

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:173 | Resp: | 98         |
| Ion Ratio   | Lower | Upper      |
| 173         | 100   |            |
| 175         | 0.0   | 24.1 72.4# |
| 254         | 0.0   | 0.0 0.0    |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

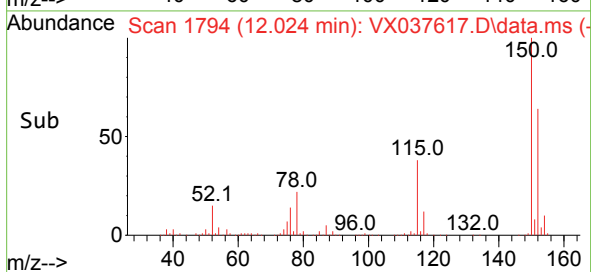
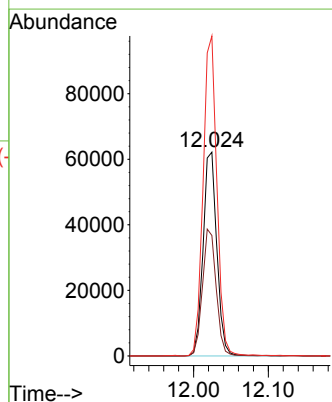
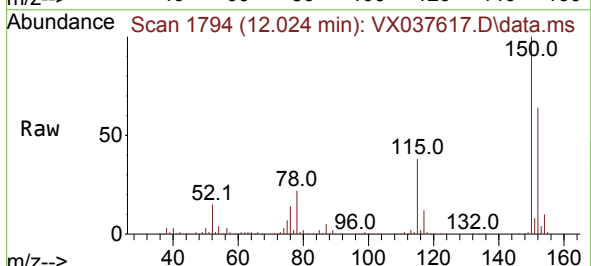
RT: 12.024 min Scan# 1794

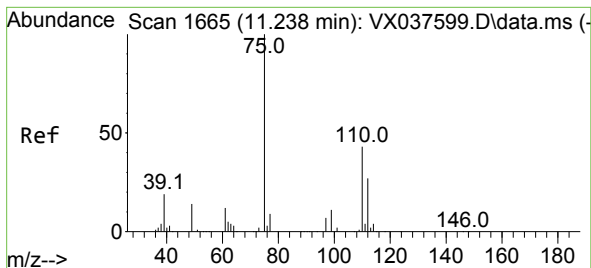
Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 79431      |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 62.1  | 43.3 129.9 |
| 150         | 157.6 | 0.0 345.0  |





#76

1,2,3-Trichloropropane

Concen: 20.789 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

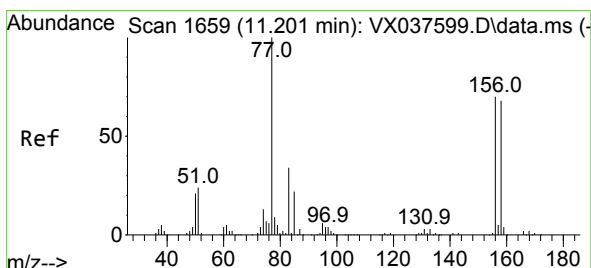
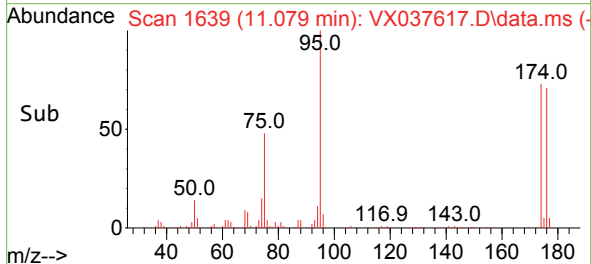
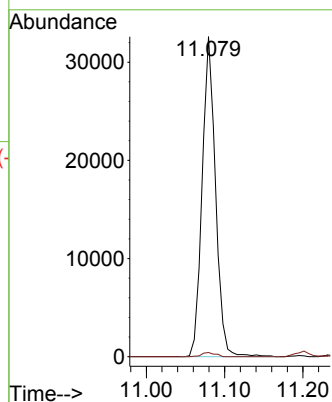
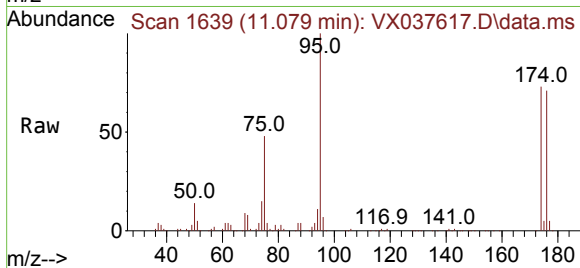
VX0909MBL01

Tgt Ion: 75 Resp: 38656

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#77

Bromobenzene

Concen: 0.311 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

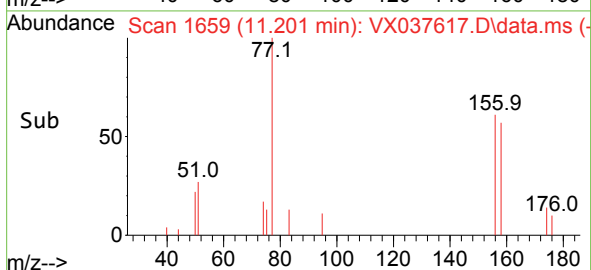
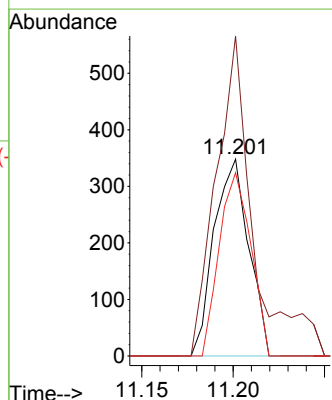
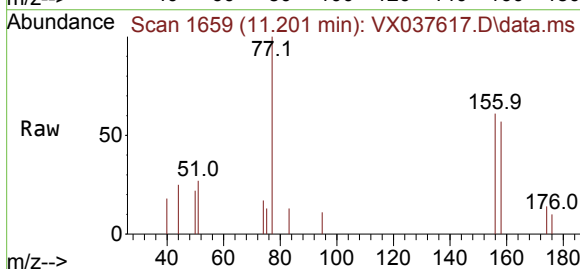
Tgt Ion:156 Resp: 459

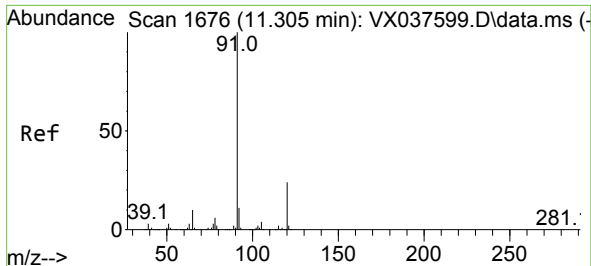
Ion Ratio Lower Upper

156 100

77 173.4 88.4 265.3

158 85.2 48.0 144.0

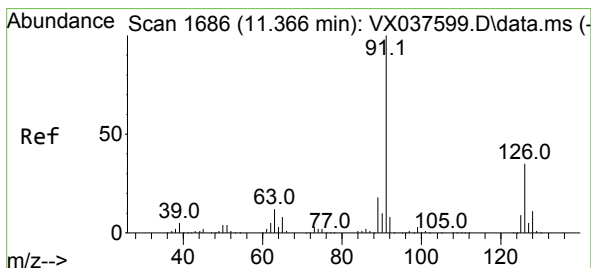
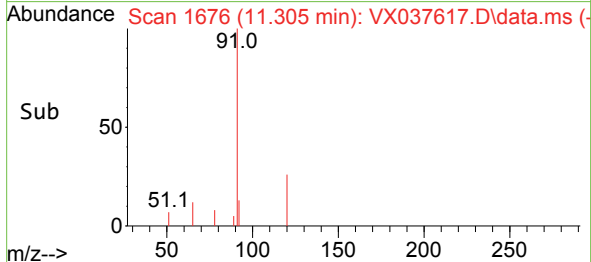
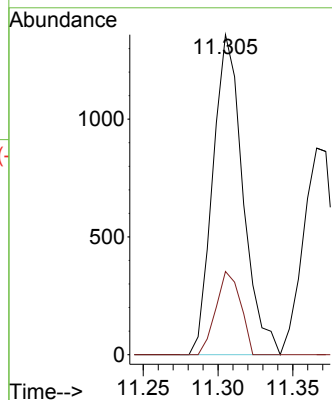
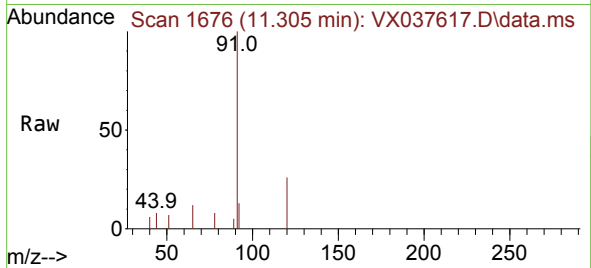




#78  
n-propylbenzene  
Concen: 0.286 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

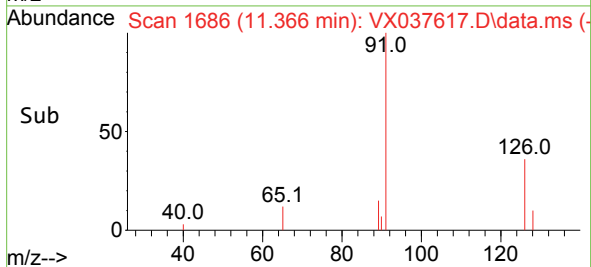
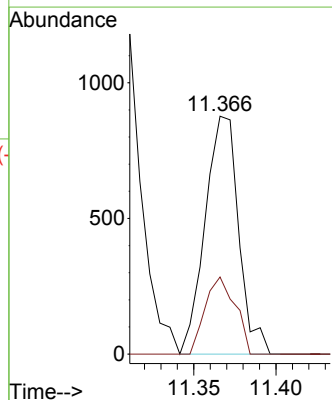
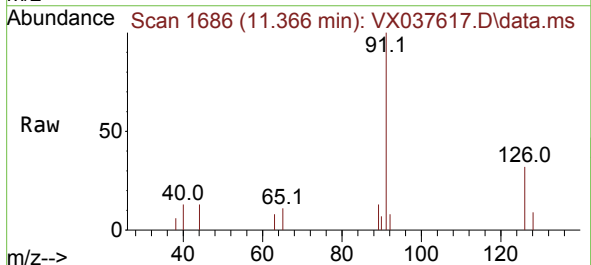
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

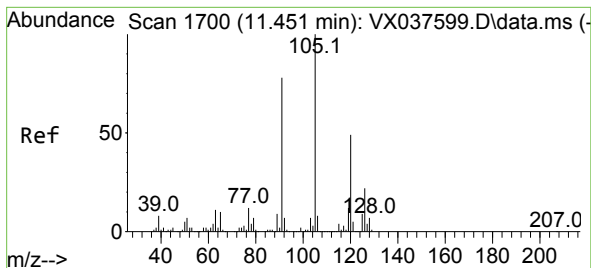
Tgt Ion: 91 Resp: 1899  
Ion Ratio Lower Upper  
91 100  
120 21.3 11.5 34.4



#79  
2-Chlorotoluene  
Concen: 0.296 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 91 Resp: 1246  
Ion Ratio Lower Upper  
91 100  
126 29.1 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

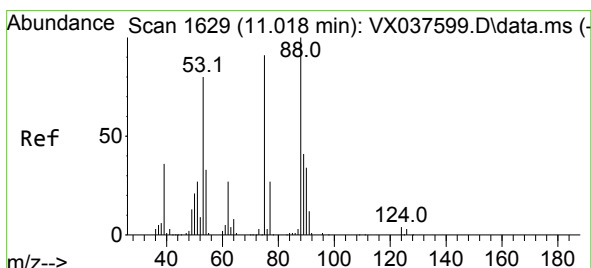
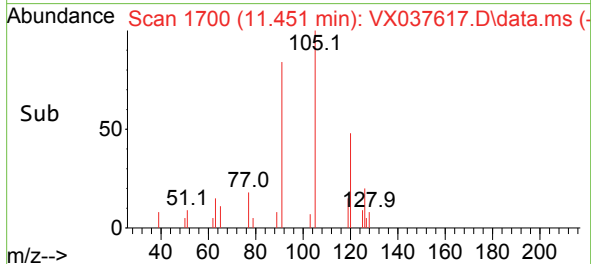
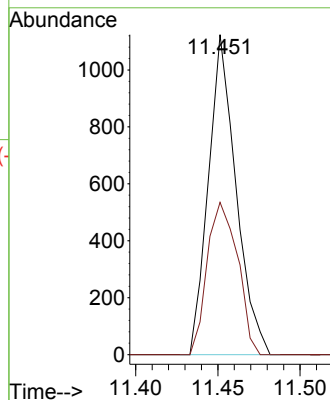
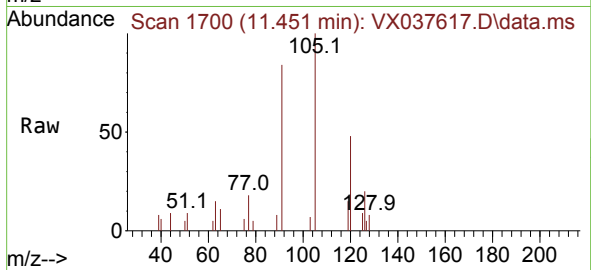
VX0909MBL01

Tgt Ion:105 Resp: 1312

Ion Ratio Lower Upper

105 100

120 52.4 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 62.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

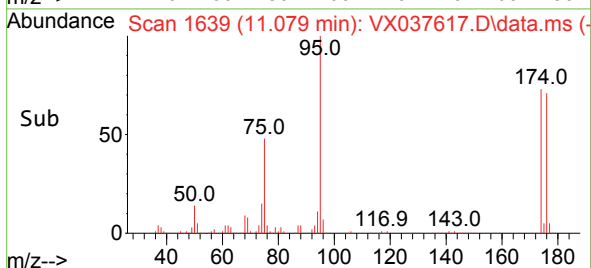
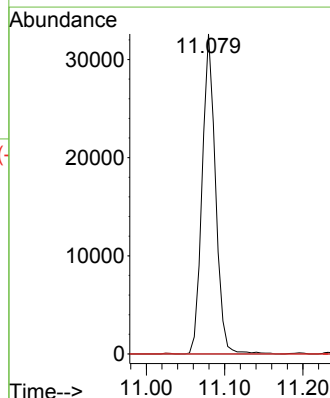
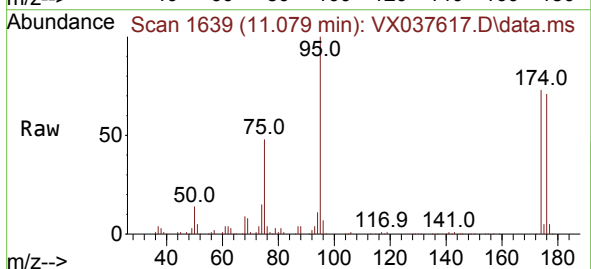
Tgt Ion: 75 Resp: 38656

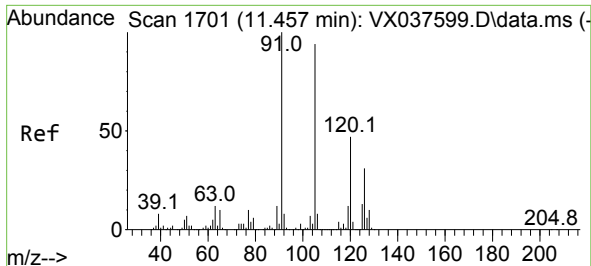
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

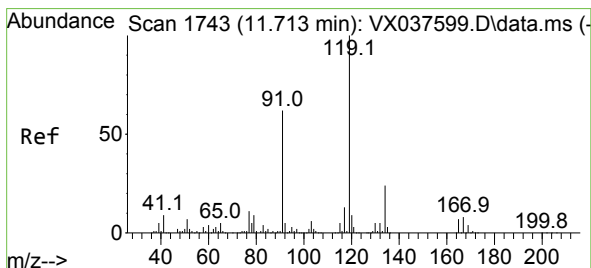
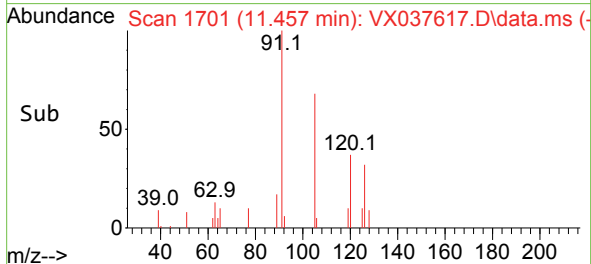
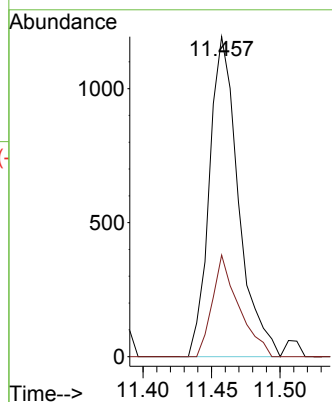
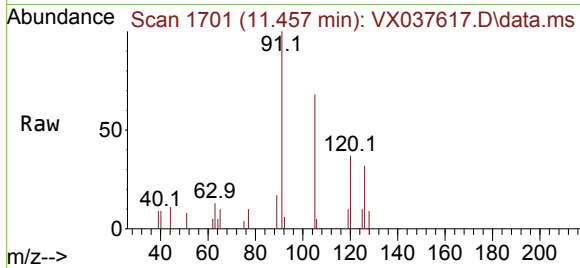




#82  
4-Chlorotoluene  
Concen: 0.370 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

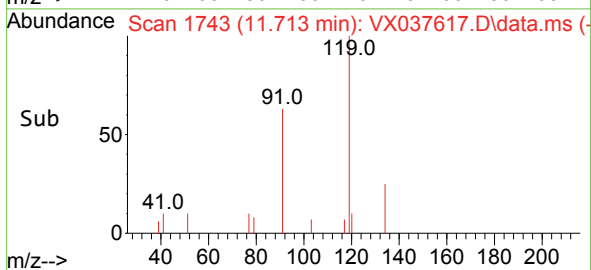
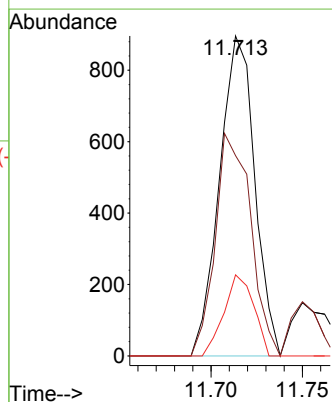
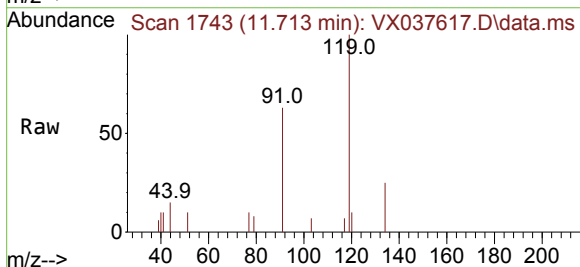
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01

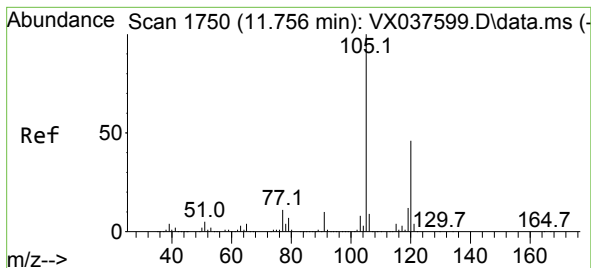
Tgt Ion: 91 Resp: 1761  
Ion Ratio Lower Upper  
91 100  
126 28.8 14.2 42.6



#83  
tert-Butylbenzene  
Concen: 0.235 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Tgt Ion: 119 Resp: 1200  
Ion Ratio Lower Upper  
119 100  
91 69.9 31.2 93.6  
134 21.4 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 0.300 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

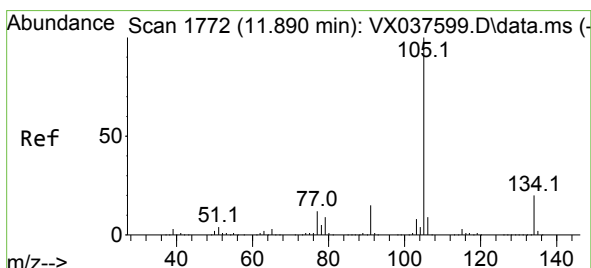
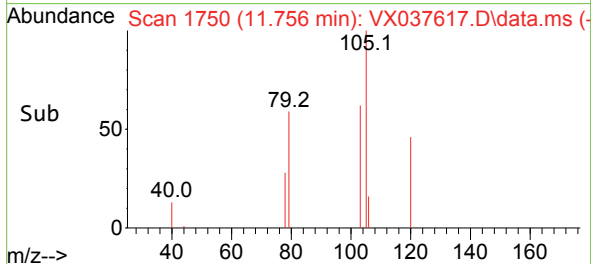
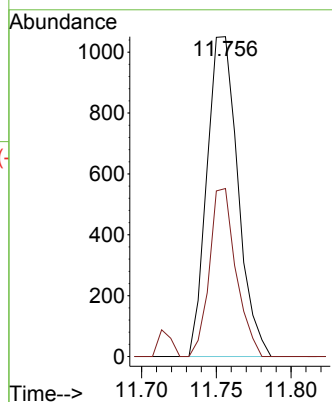
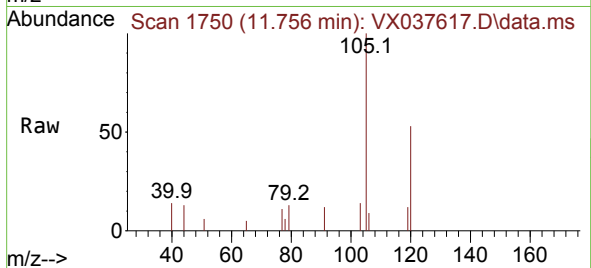
VX0909MBL01

Tgt Ion:105 Resp: 1516

Ion Ratio Lower Upper

105 100

120 45.1 21.2 63.6



#85

sec-Butylbenzene

Concen: 0.277 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX037617.D

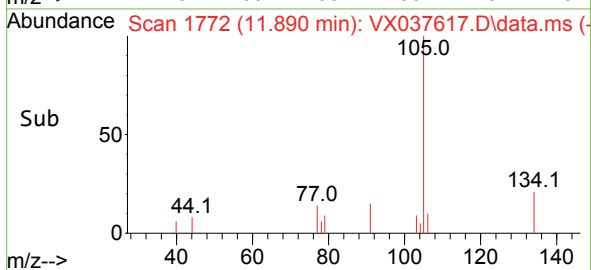
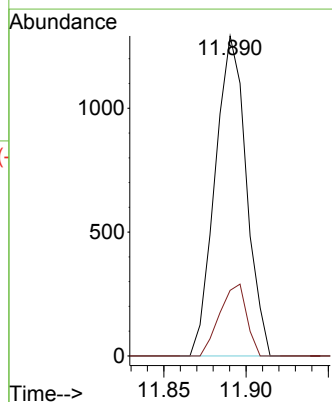
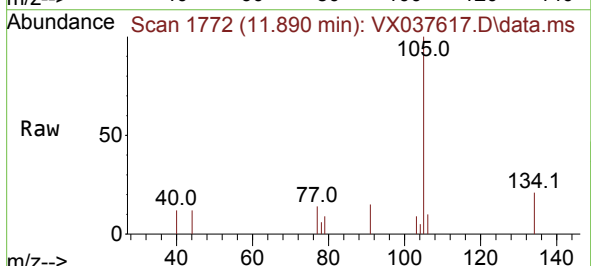
Acq: 09 Sep 2023 10:54

Tgt Ion:105 Resp: 1705

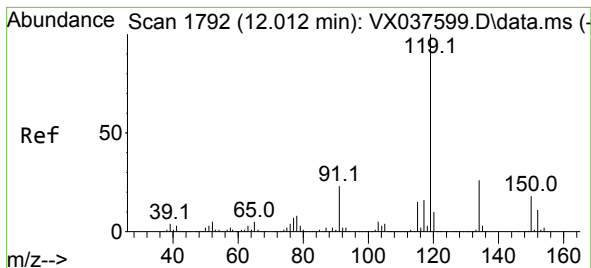
Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4







#86

p-Isopropyltoluene

Concen: 0.331 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VX0909MBL01

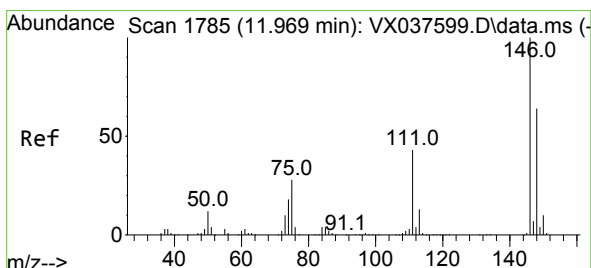
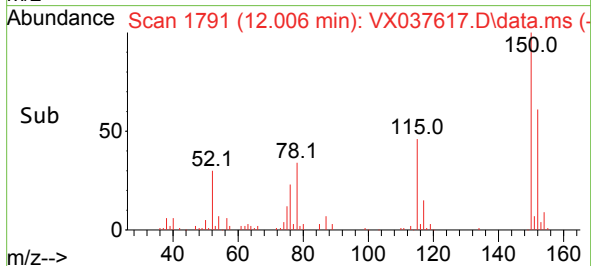
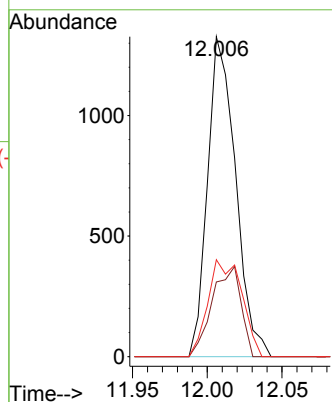
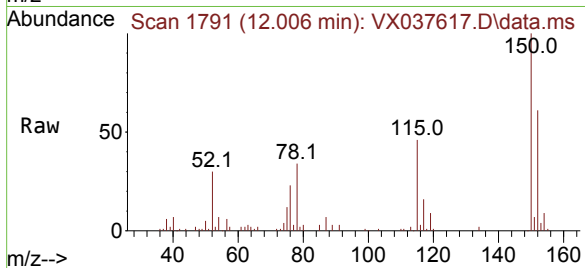
Tgt Ion:119 Resp: 1724

Ion Ratio Lower Upper

119 100

134 29.0 12.8 38.3

91 36.7 13.1 39.3



#87

1,3-Dichlorobenzene

Concen: 0.446 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

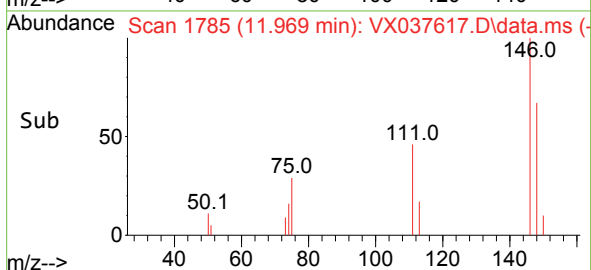
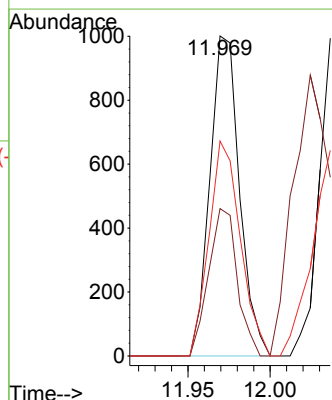
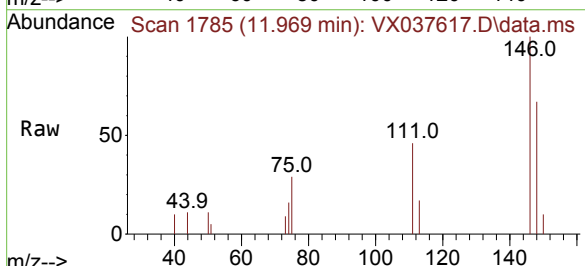
Tgt Ion:146 Resp: 1253

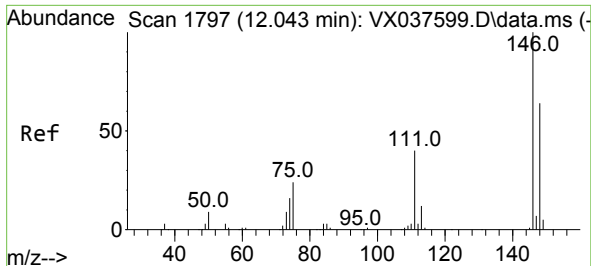
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.1

148 71.3 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 0.438 ug/l

RT: 11.969 min Scan# 1

Delta R.T. -0.073 min

Lab File: VX037617.D

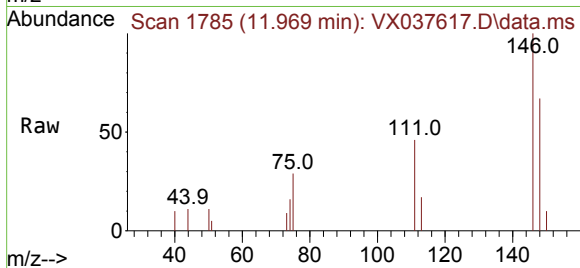
Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VX0909MBL01



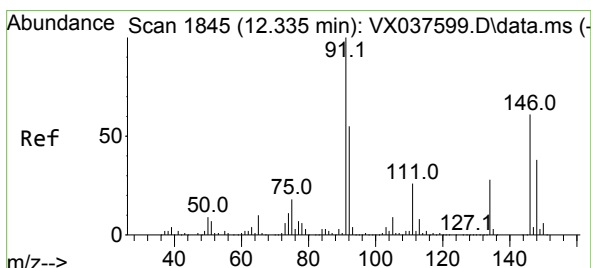
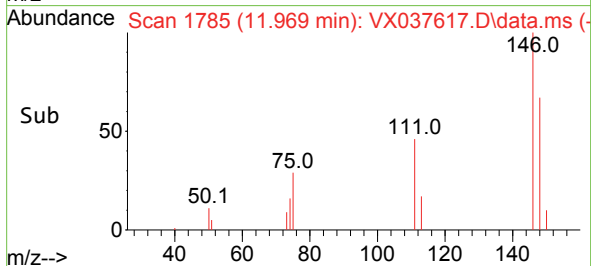
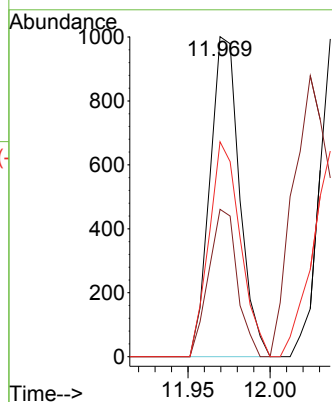
Tgt Ion:146 Resp: 1253

Ion Ratio Lower Upper

146 100

111 44.5 21.3 63.7

148 71.3 31.8 95.4



#89

n-Butylbenzene

Concen: 0.379 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

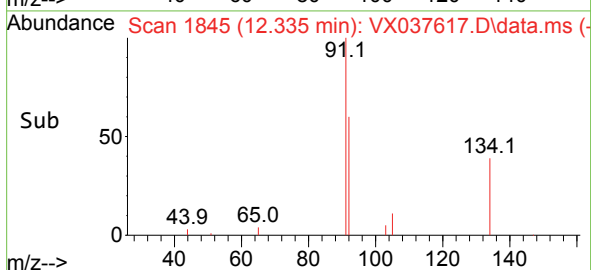
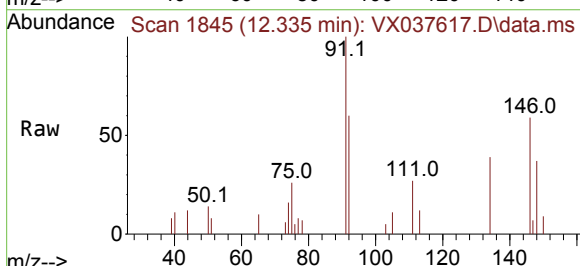
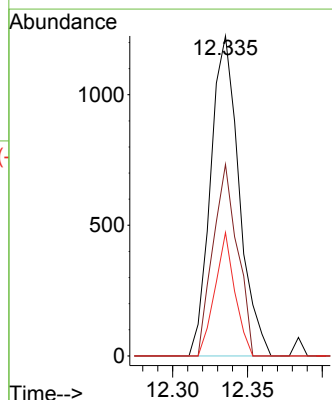
Tgt Ion: 91 Resp: 1622

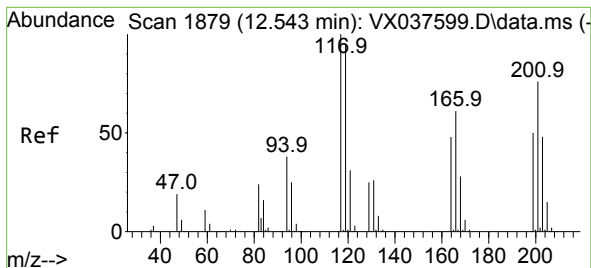
Ion Ratio Lower Upper

91 100

92 51.4 27.4 82.0

134 27.1 12.6 37.8





#90

Hexachloroethane

Concen: 0.296 ug/l

RT: 12.543 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

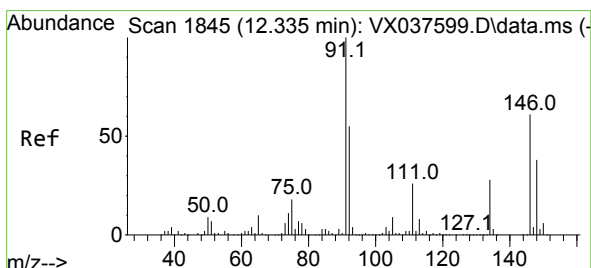
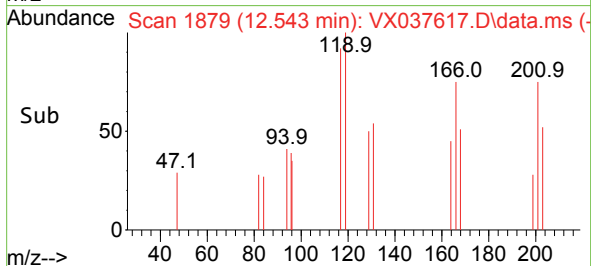
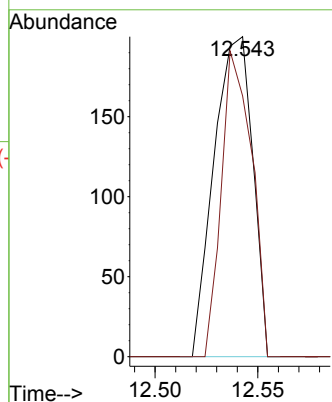
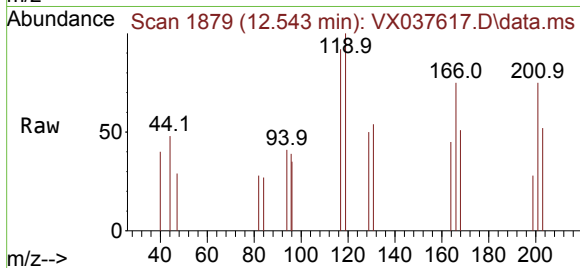
VX0909MBL01

Tgt Ion:117 Resp: 262

Ion Ratio Lower Upper

117 100

201 74.8 32.9 98.6



#91

1,2-Dichlorobenzene

Concen: 0.379 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

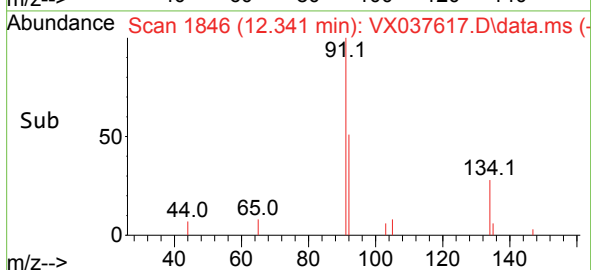
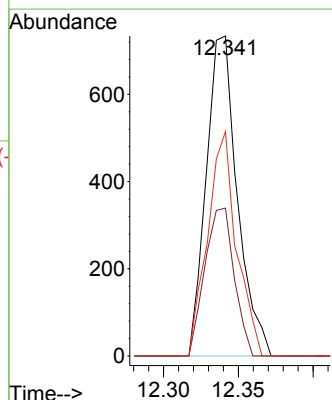
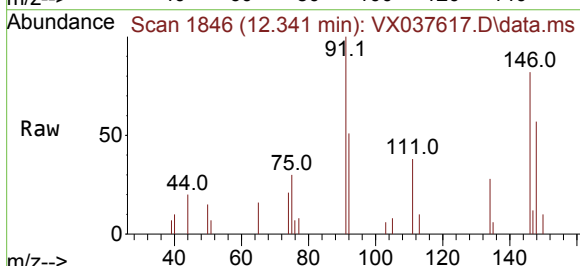
Tgt Ion:146 Resp: 1062

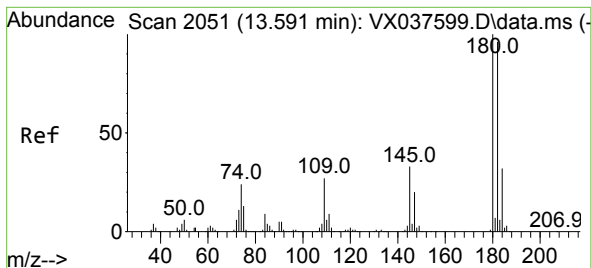
Ion Ratio Lower Upper

146 100

111 43.6 22.4 67.0

148 65.0 31.6 95.0





#93

1,2,4-Trichlorobenzene

Concen: 0.874 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VX0909MBL01

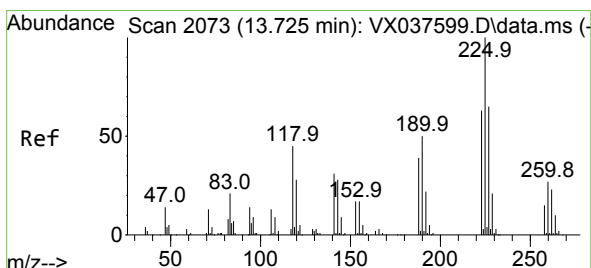
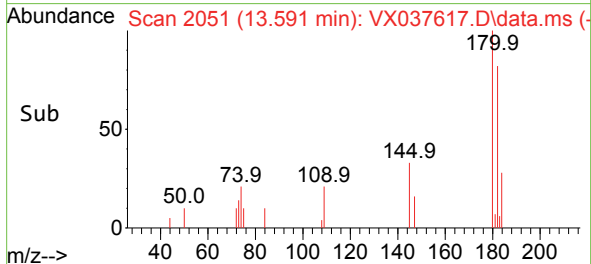
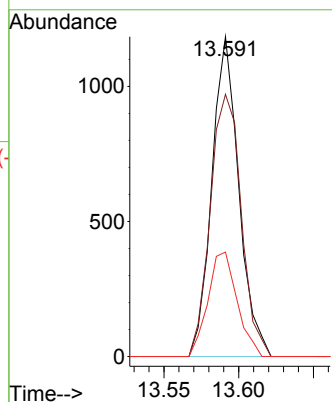
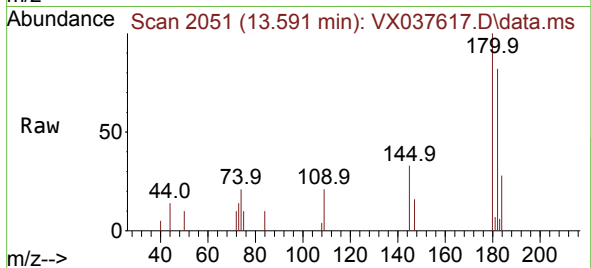
Tgt Ion:180 Resp: 1480

Ion Ratio Lower Upper

180 100

182 94.1 48.3 144.8

145 35.5 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.645 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX037617.D

Acq: 09 Sep 2023 10:54

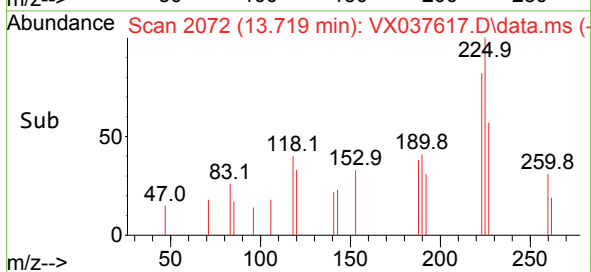
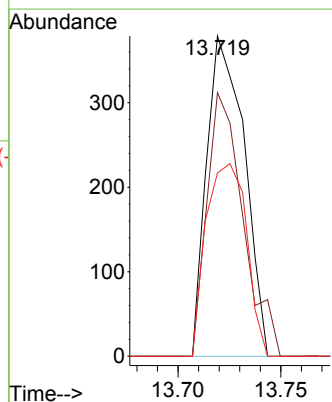
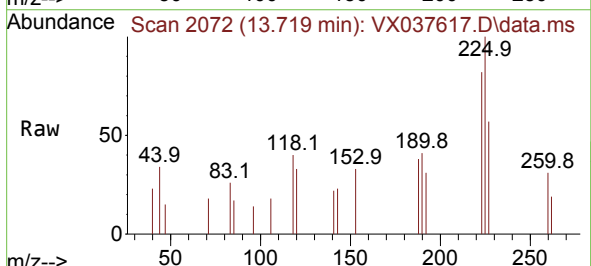
Tgt Ion:225 Resp: 482

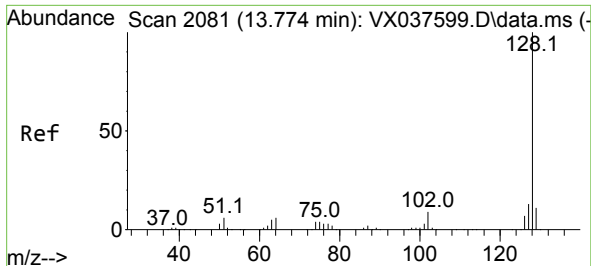
Ion Ratio Lower Upper

225 100

223 79.0 31.1 93.2

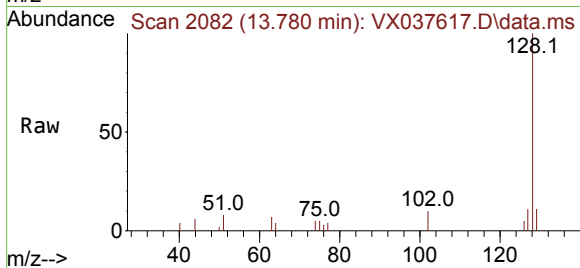
227 64.7 32.5 97.5



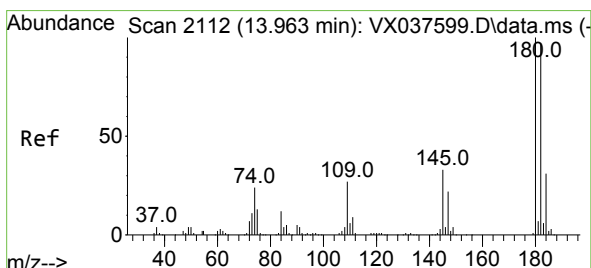
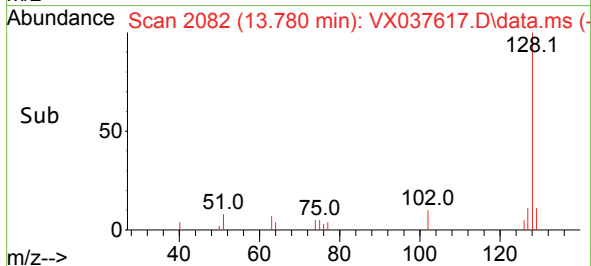
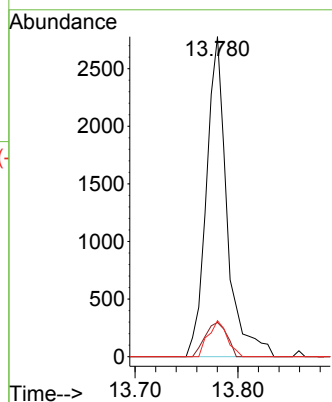


#95  
Naphthalene  
Concen: 0.654 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0909MBL01



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



#96  
1,2,3-Trichlorobenzene  
Concen: 0.953 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX037617.D  
Acq: 09 Sep 2023 10:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.1  | 46.9  | 140.6 |
| 145     | 36.2  | 17.8  | 53.5  |

