

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070224\  
 Data File : VX042138.D  
 Acq On : 02 Jul 2024 14:34  
 Operator : JC/MD  
 Sample : P3123-01RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 03 03:34:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 21 23:51:58 2024  
 Response via : Initial Calibration

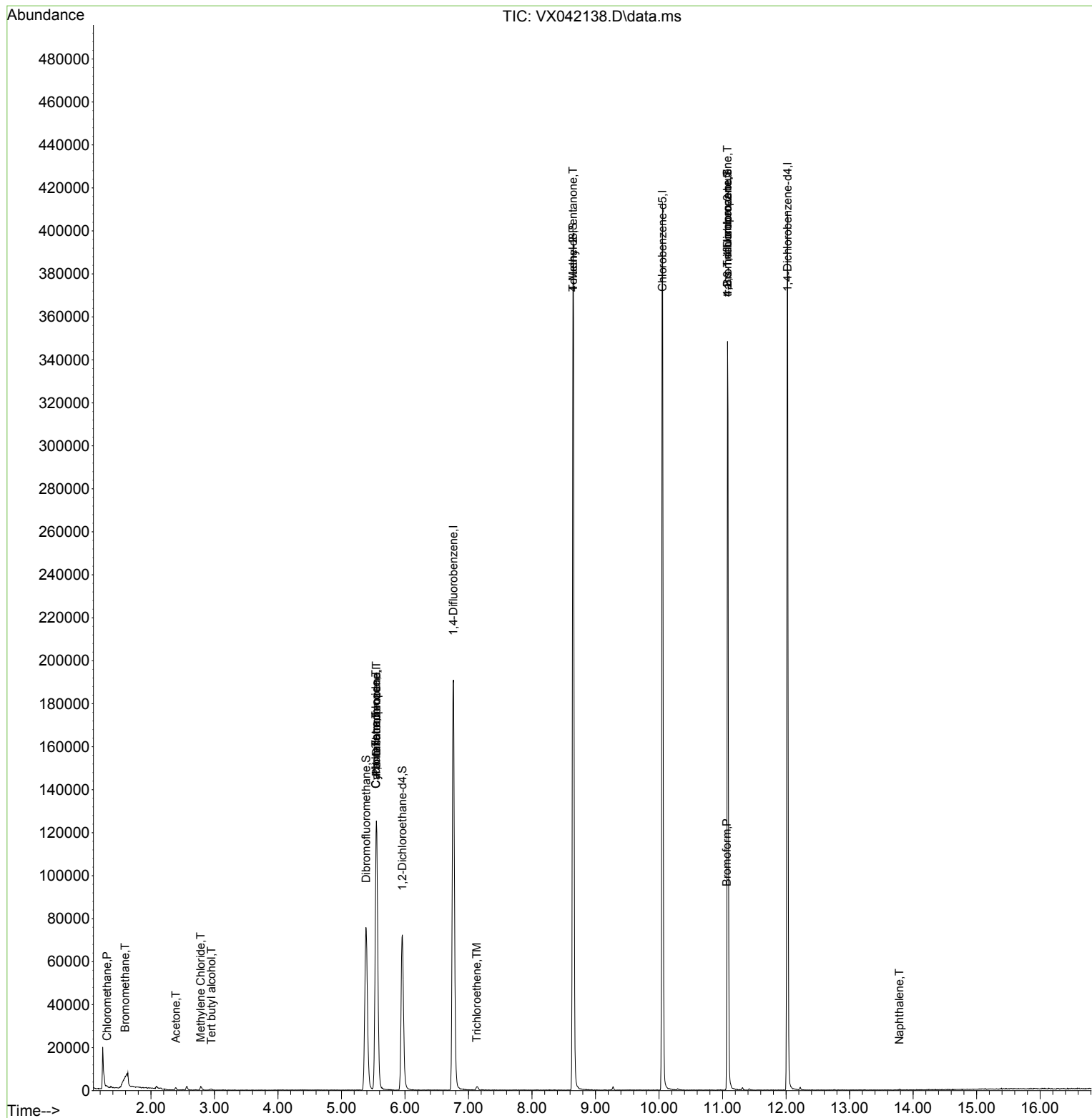
| Compound                      | R.T.   | QIon  | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------|----------|
| -----                         |        |       |          |           |       |          |
| Internal Standards            |        |       |          |           |       |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 140548   | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 218160   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 212975   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 101041   | 50.000    | ug/l  | 0.00     |
| System Monitoring Compounds   |        |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 69538    | 42.906    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =     | 85.820%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 68613    | 44.325    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =     | 88.640%  |
| 50) Toluene-d8                | 8.647  | 98    | 249794   | 45.934    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =     | 91.860%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 93314    | 46.550    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =     | 93.100%  |
| Target Compounds              |        |       |          |           |       |          |
|                               |        |       |          |           |       | Qvalue   |
| 3) Chloromethane              | 1.307  | 50    | 735      | 0.547     | ug/l  | # 80     |
| 5) Bromomethane               | 1.593  | 94    | 337      | 0.507     | ug/l  | # 43     |
| 6) Chloroethane               | 1.648  | 64    | 139      | Below Cal | #     | 59       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 401      | 1.304     | ug/l  | # 78     |
| 16) Acetone                   | 2.392  | 43    | 1210     | 1.700     | ug/l  | 100      |
| 20) Methylene Chloride        | 2.782  | 84    | 887      | 0.569     | ug/l  | # 81     |
| 31) Cyclohexane               | 5.544  | 56    | 1851     | 0.977     | ug/l  | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 7837     | 4.768     | ug/l  | # 51     |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 11673    | 6.427     | ug/l  | # 15     |
| 44) Trichloroethene           | 7.129  | 130   | 903      | 0.608     | ug/l  | 63       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 862      | 0.381     | ug/l  | # 1      |
| 71) Bromoform                 | 11.067 | 173   | 51       | 0.910     | ug/l  | # 29     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 42483    | 23.160    | ug/l  | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 42483    | 65.773    | ug/l  | # 5      |
| 95) Naphthalene               | 13.786 | 128   | 285      | 0.787     | ug/l  | # 69     |
| -----                         |        |       |          |           |       |          |

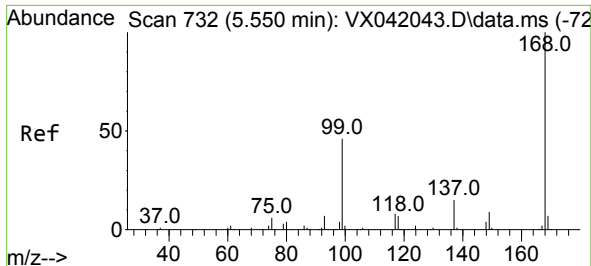
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070224\  
Data File : VX042138.D  
Acq On : 02 Jul 2024 14:34  
Operator : JC/MD  
Sample : P3123-01RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

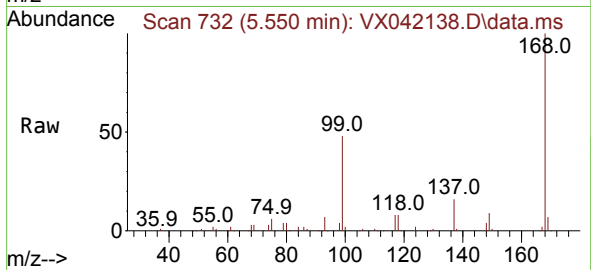
Quant Time: Jul 03 03:34:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration



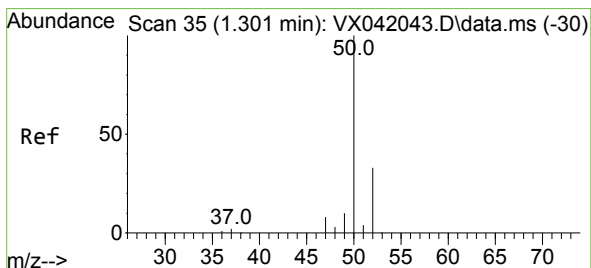
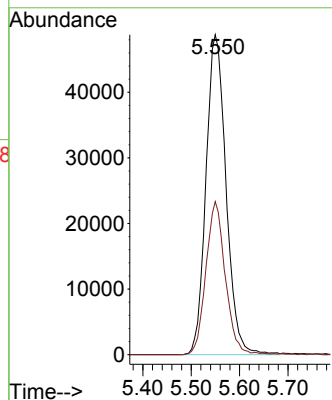
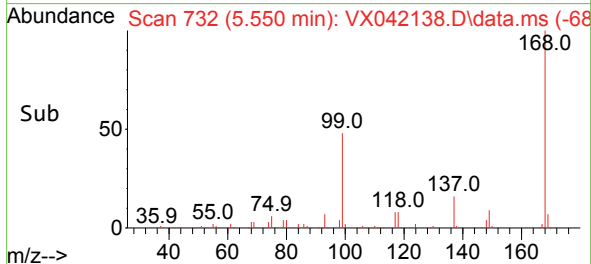


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Instrument :  
MSVOA\_X  
ClientSampleId :

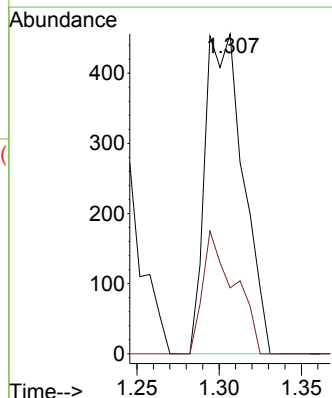
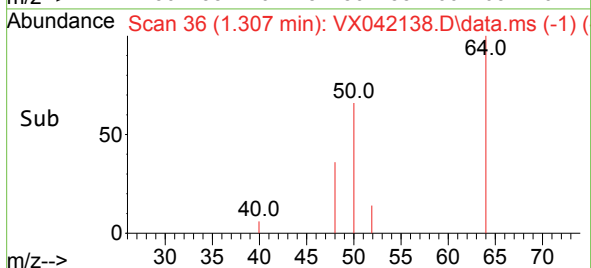
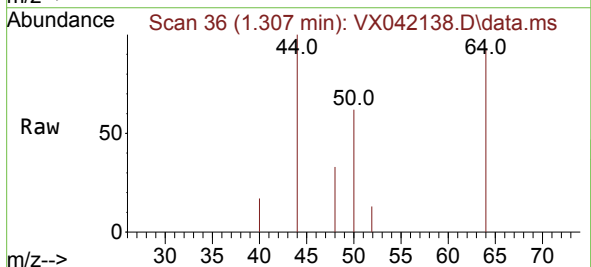


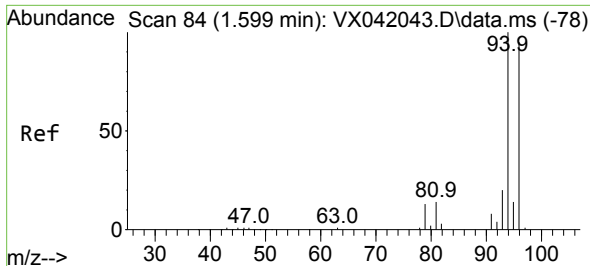
Tgt Ion:168 Resp: 140548  
Ion Ratio Lower Upper  
168 100  
99 47.8 56.6 85.0#



#3  
Chloromethane  
Concen: 0.547 ug/l  
RT: 1.307 min Scan# 36  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion: 50 Resp: 735  
Ion Ratio Lower Upper  
50 100  
52 20.6 25.5 38.3#

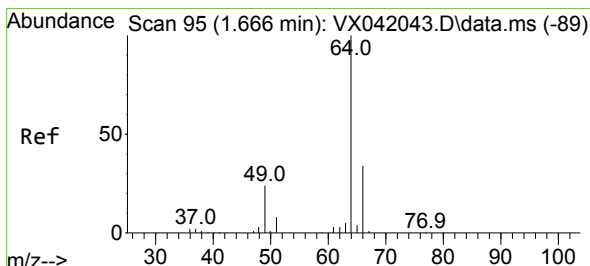
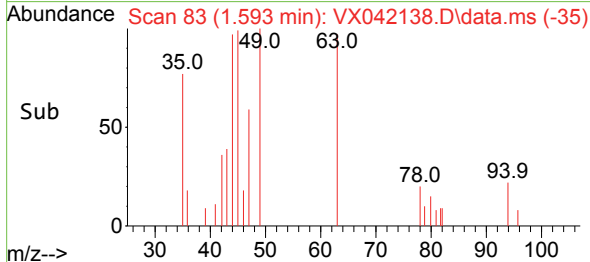
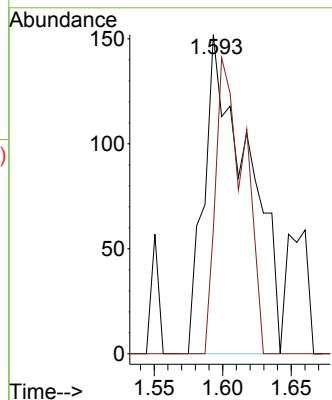
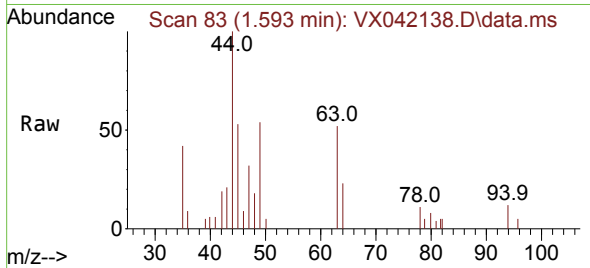




#5  
Bromomethane  
Concen: 0.507 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

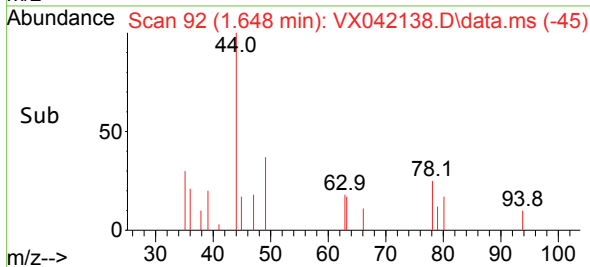
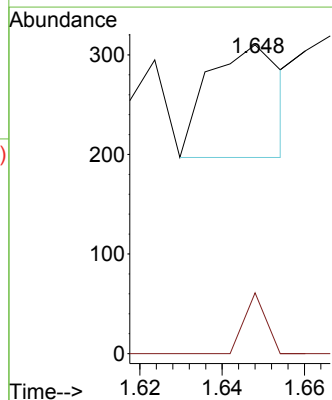
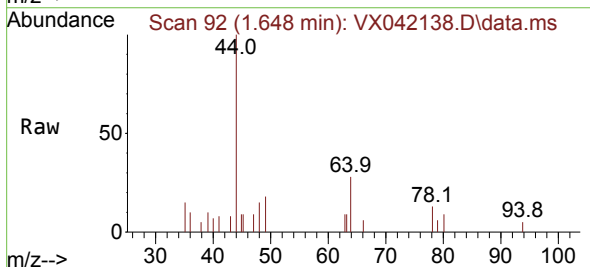
Instrument :  
MSVOA\_X  
ClientSampleId :

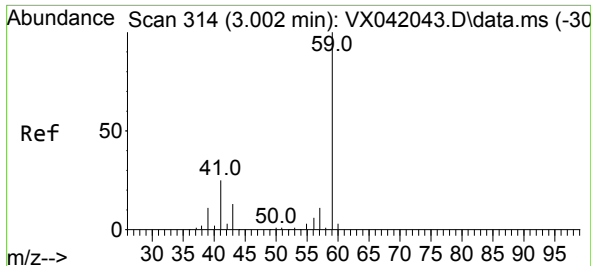
Tgt Ion: 94 Resp: 337  
Ion Ratio Lower Upper  
94 100  
96 38.8 74.6 111.8#



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.648 min Scan# 92  
Delta R.T. -0.012 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion: 64 Resp: 139  
Ion Ratio Lower Upper  
64 100  
66 54.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.304 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.055 min

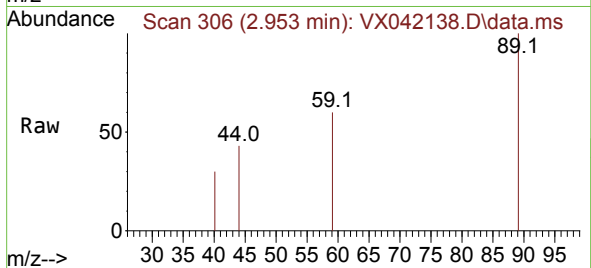
Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

Instrument :

MSVOA\_X

ClientSampleId :

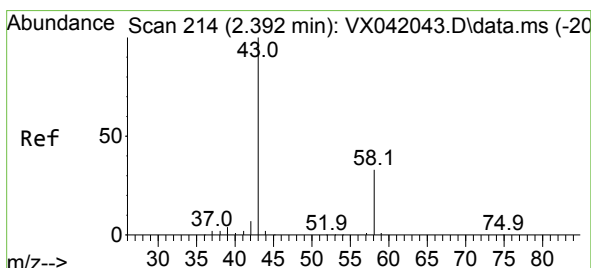
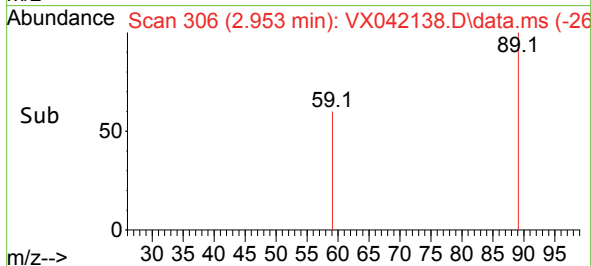
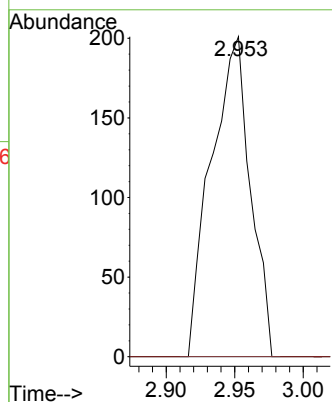


Tgt Ion: 59 Resp: 401

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.700 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042138.D

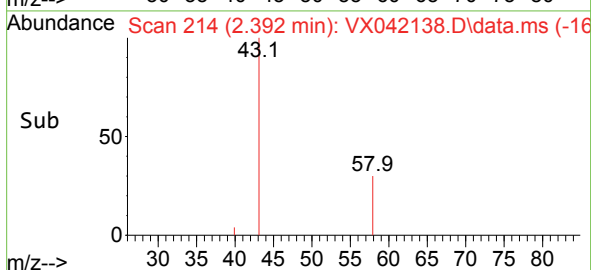
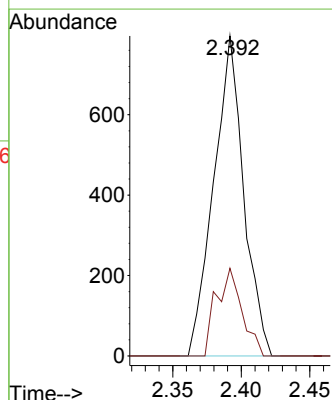
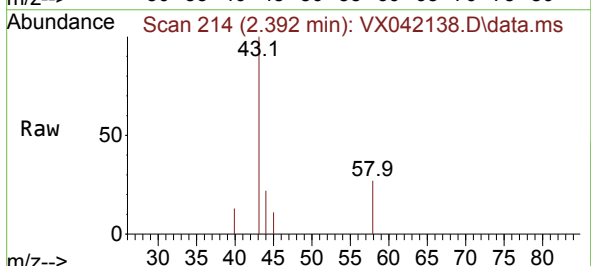
Acq: 02 Jul 2024 14:34

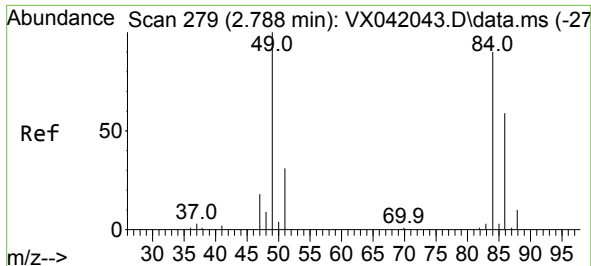
Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

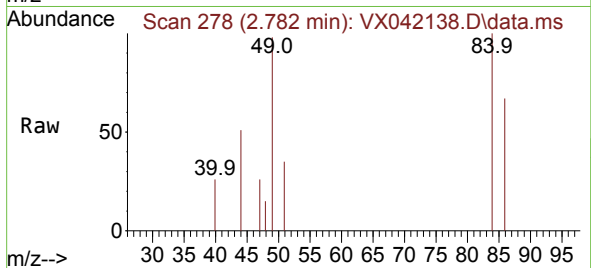
58 27.4 21.9 32.9





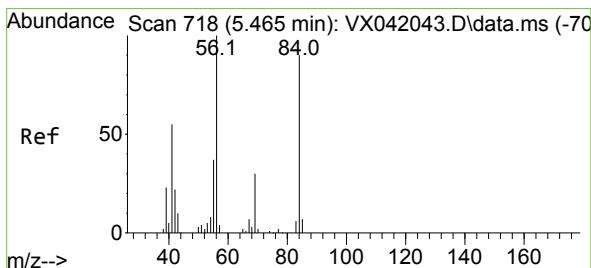
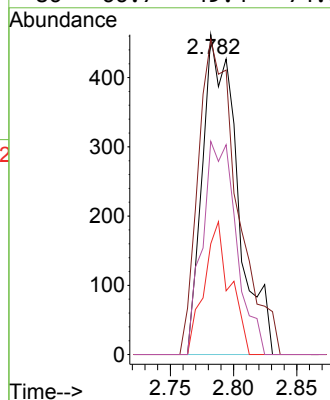
#20  
Methylene Chloride  
Concen: 0.569 ug/l  
RT: 2.782 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Instrument :  
MSVOA\_X  
ClientSampleId :

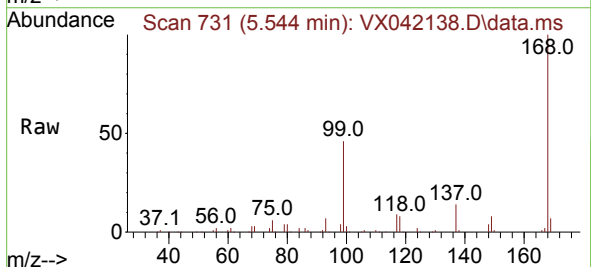


Tgt Ion: 84 Resp: 887

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 98.5  | 103.6 | 155.4# |
| 51  | 34.6  | 33.8  | 50.6   |
| 86  | 66.7  | 49.4  | 74.0   |

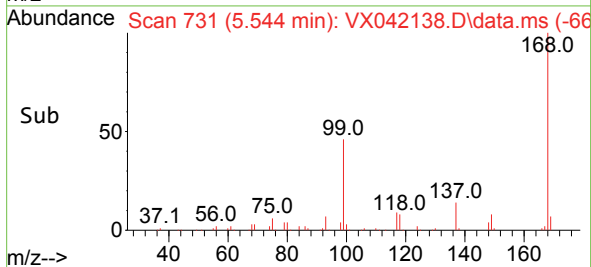
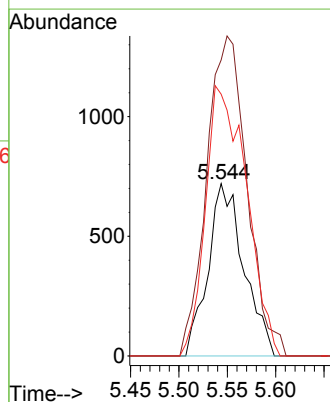


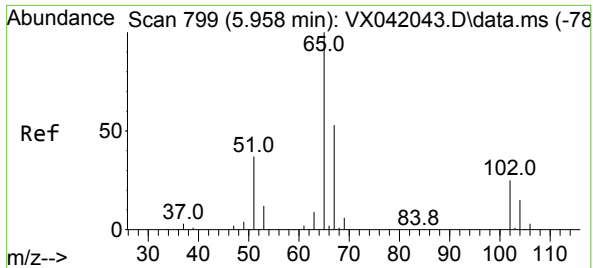
#31  
Cyclohexane  
Concen: 0.977 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34



Tgt Ion: 56 Resp: 1851

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 171.8 | 23.4  | 35.2# |
| 84  | 151.9 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 42.906 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

Instrument :

MSVOA\_X

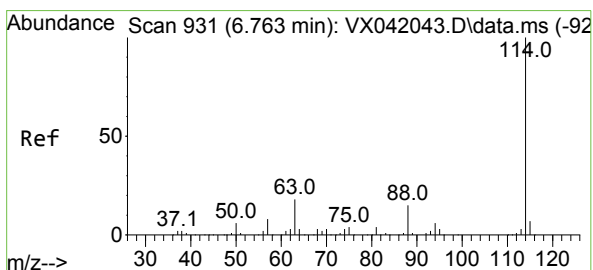
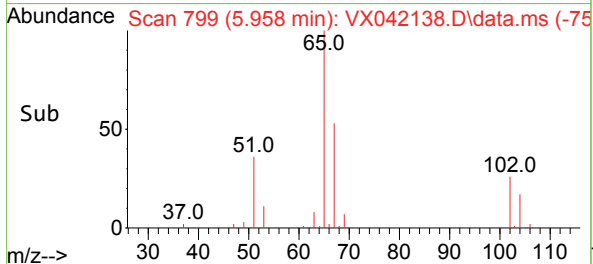
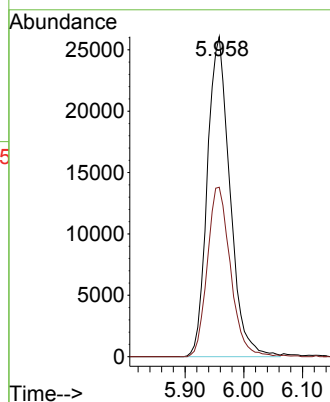
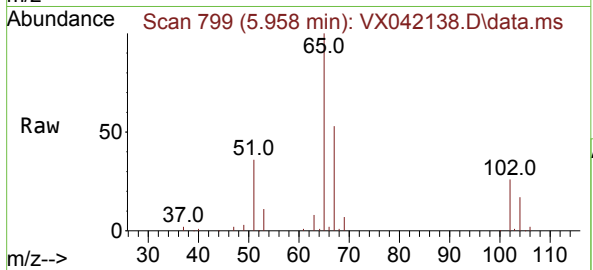
ClientSampleId :

Tgt Ion: 65 Resp: 69538

Ion Ratio Lower Upper

65 100

67 54.4 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: VX042138.D

Acq: 02 Jul 2024 14:34

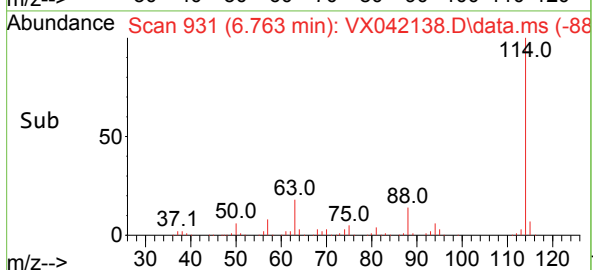
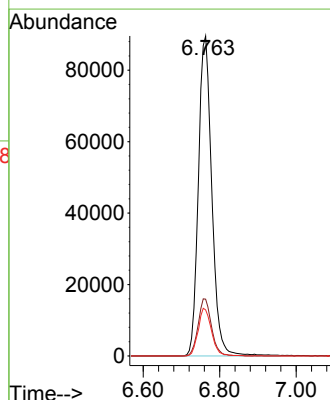
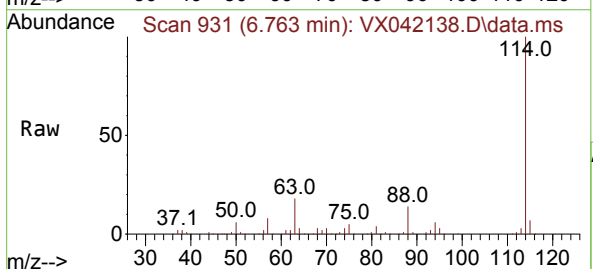
Tgt Ion: 114 Resp: 218160

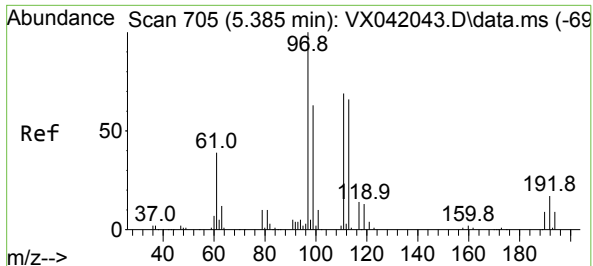
Ion Ratio Lower Upper

114 100

63 17.7 0.0 45.0

88 14.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.325 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

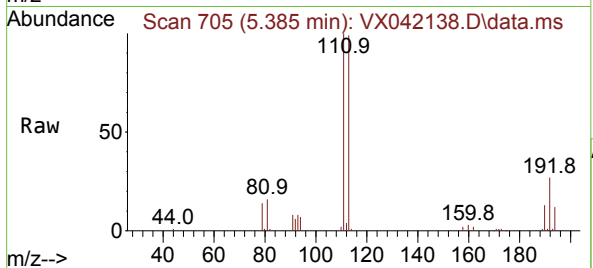
Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

Instrument :

MSVOA\_X

ClientSampleId :



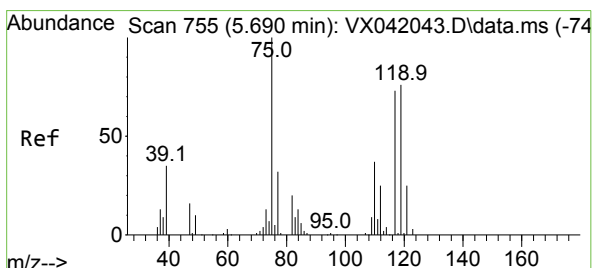
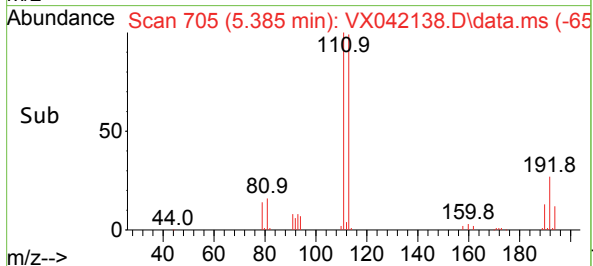
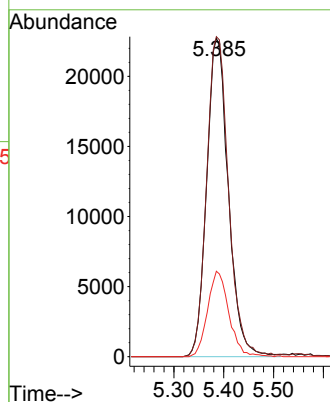
Tgt Ion:113 Resp: 68613

Ion Ratio Lower Upper

113 100

111 101.8 82.9 124.3

192 26.3 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 4.768 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

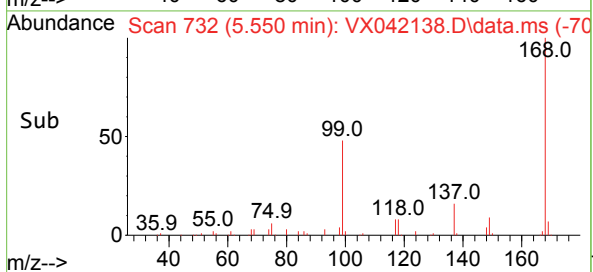
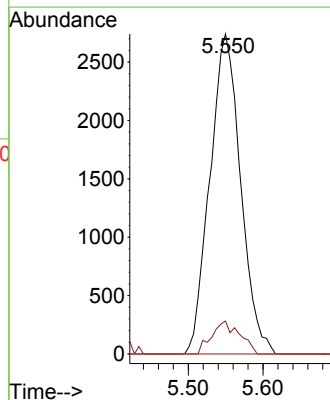
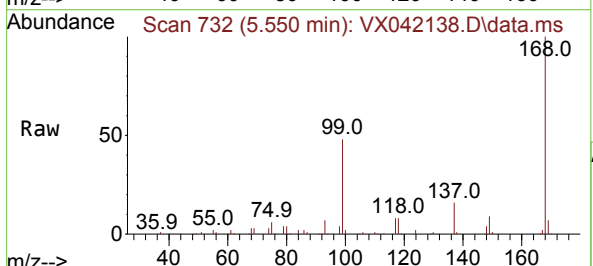
Tgt Ion: 75 Resp: 7837

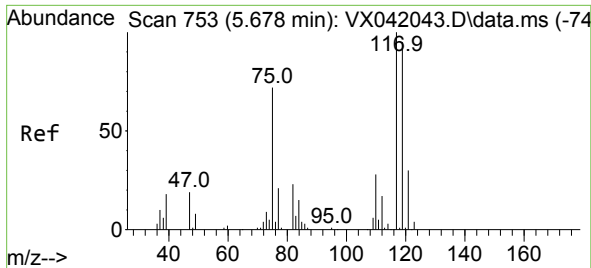
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

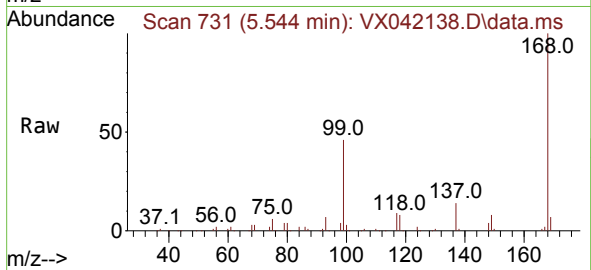
77 0.0 24.7 37.1#



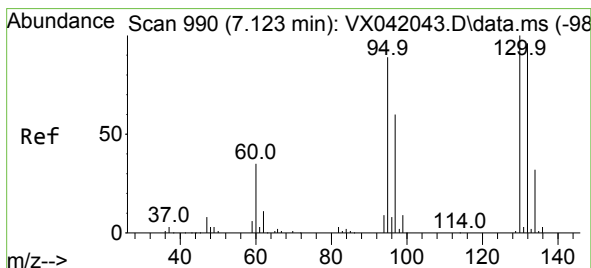
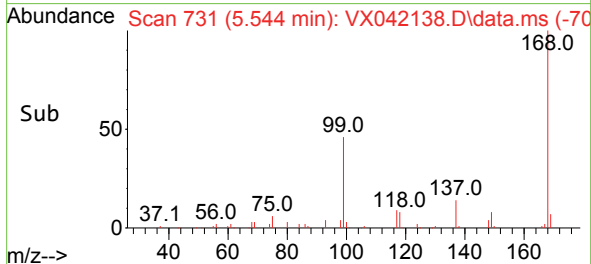
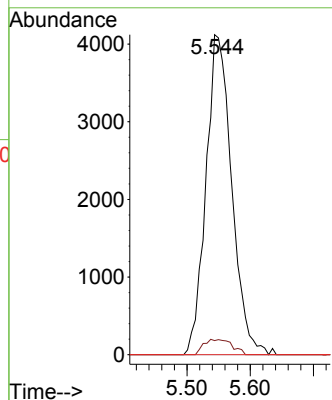


#38  
Carbon Tetrachloride  
Concen: 6.427 ug/l  
RT: 5.544 min Scan# 711  
Delta R.T. -0.134 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Instrument :  
MSVOA\_X  
ClientSampleId :

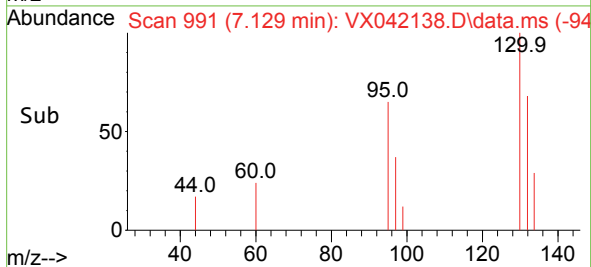
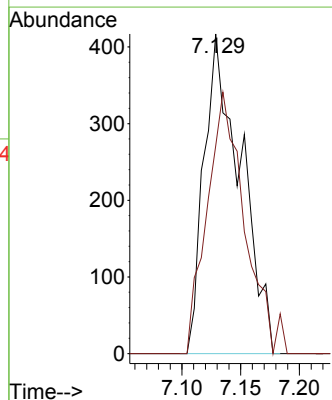
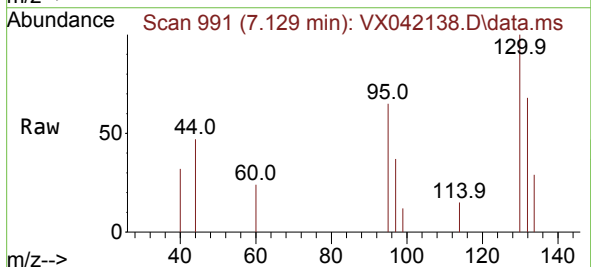


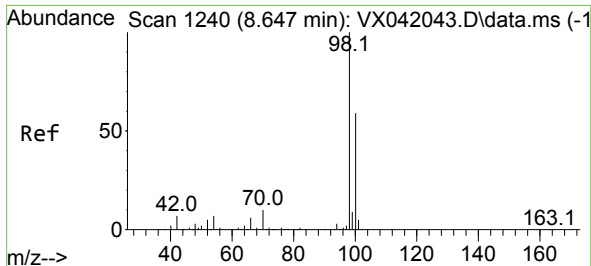
Tgt Ion:117 Resp: 11673  
Ion Ratio Lower Upper  
117 100  
119 4.4 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 0.608 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion:130 Resp: 903  
Ion Ratio Lower Upper  
130 100  
95 65.0 0.0 204.4

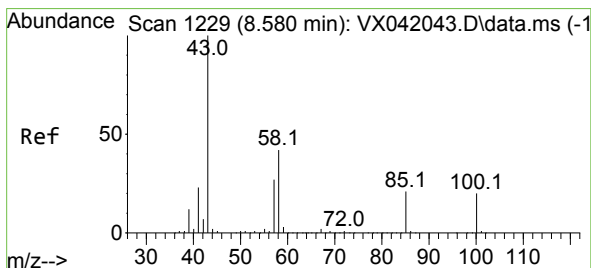
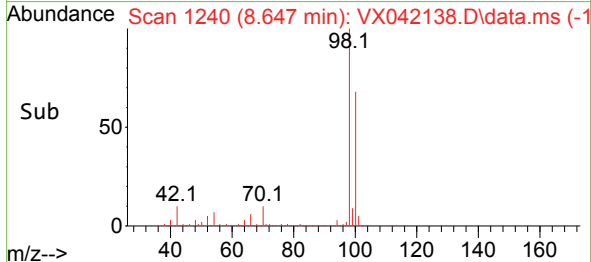
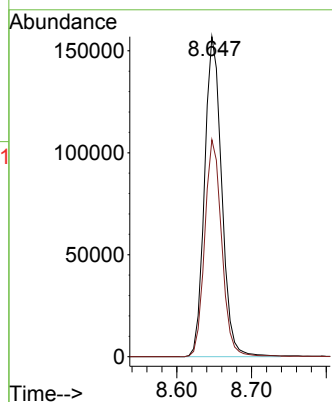
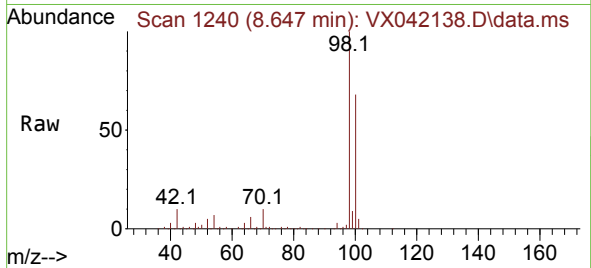




#50  
Toluene-d8  
Concen: 45.934 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

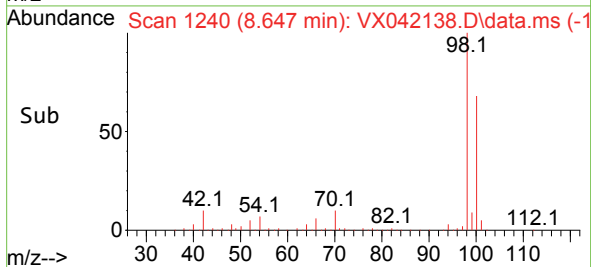
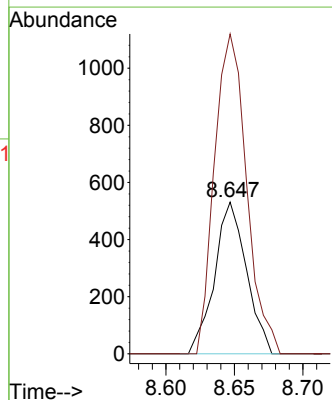
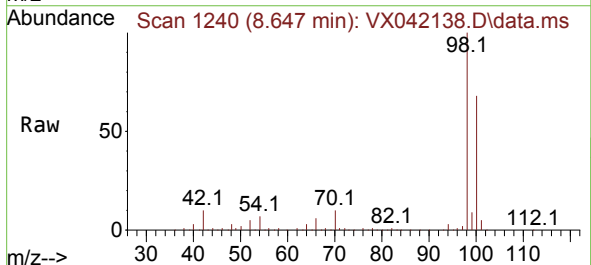
Instrument :  
MSVOA\_X  
ClientSampleId :

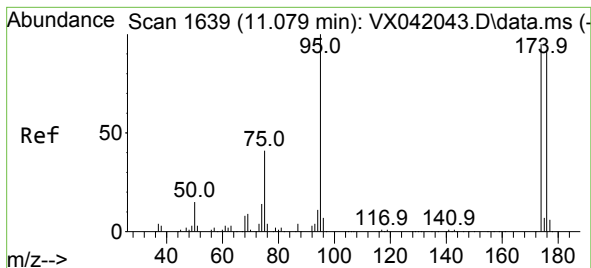
Tgt Ion: 98 Resp: 249794  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.381 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion: 43 Resp: 862  
Ion Ratio Lower Upper  
43 100  
58 211.1 30.4 45.6#

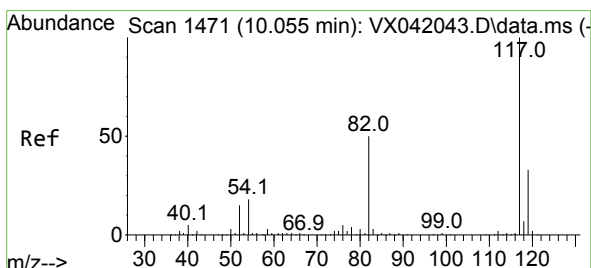
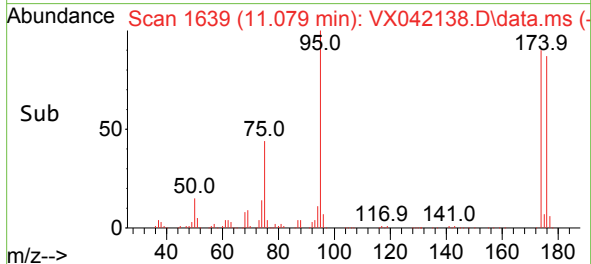
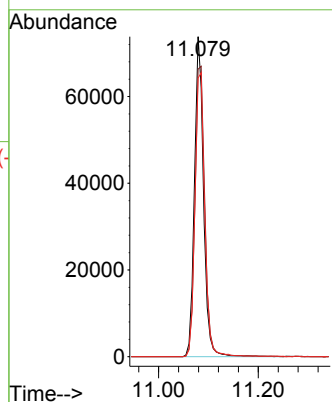
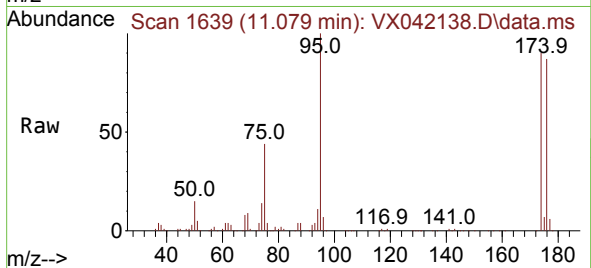




#62  
4-Bromofluorobenzene  
Concen: 46.550 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

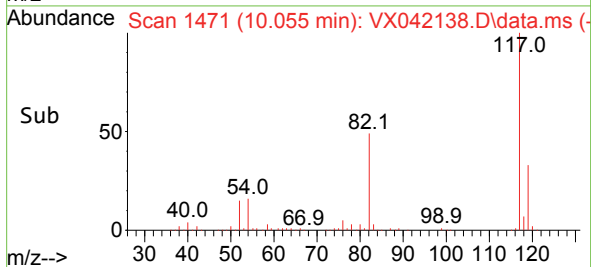
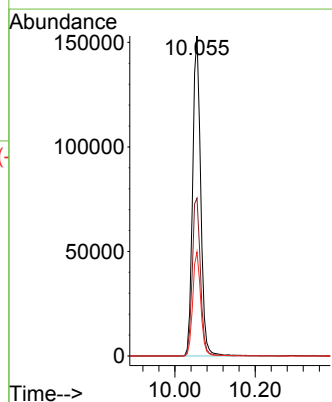
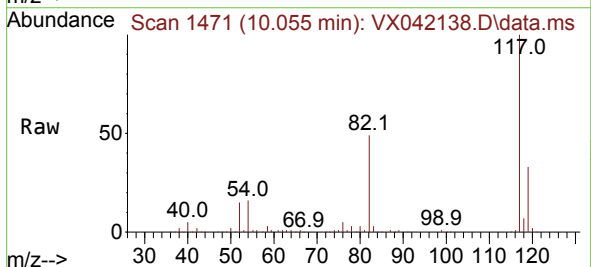
Instrument :  
MSVOA\_X  
ClientSampleId :

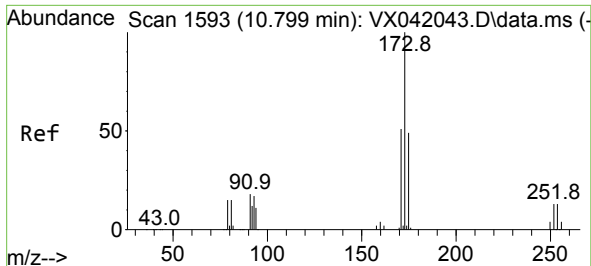
Tgt Ion: 95 Resp: 93314  
Ion Ratio Lower Upper  
95 100  
174 98.2 0.0 135.6  
176 95.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion: 117 Resp: 212975  
Ion Ratio Lower Upper  
117 100  
82 49.3 46.2 69.4  
119 32.5 25.5 38.3

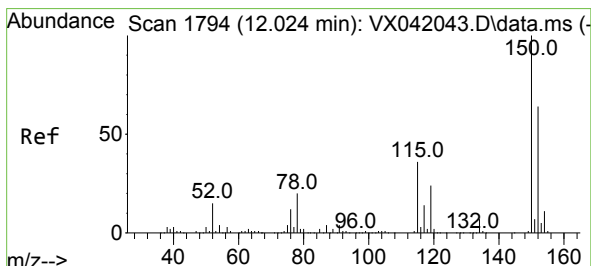
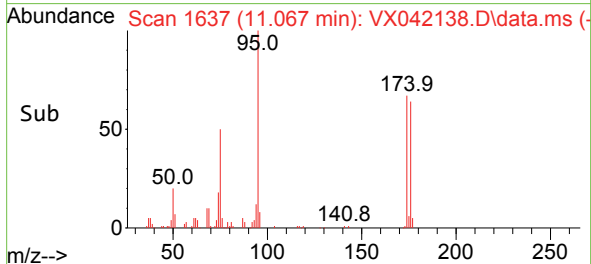
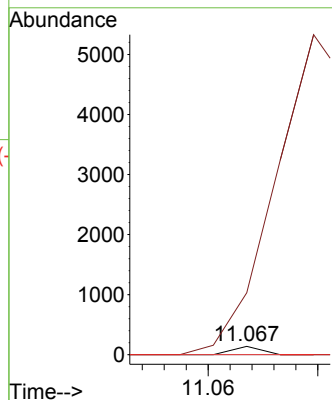
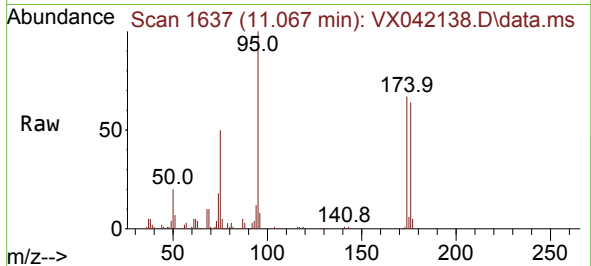




#71  
Bromoform  
Concen: 0.910 ug/l  
RT: 11.067 min Scan# 11  
Delta R.T. 0.268 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

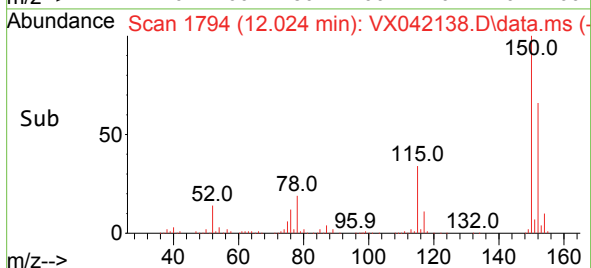
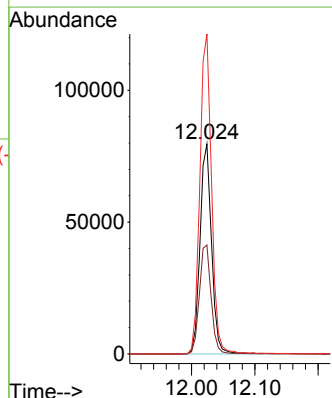
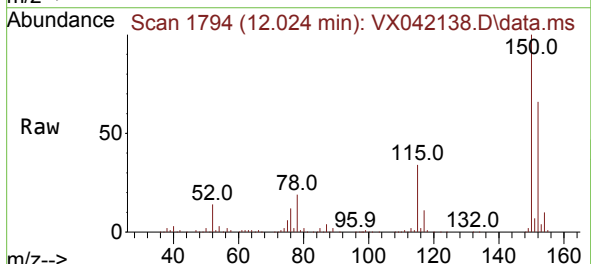
Instrument :  
MSVOA\_X  
ClientSampleId :

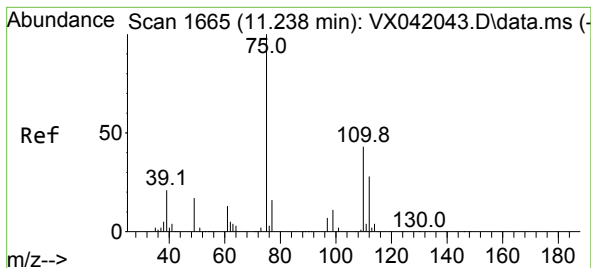
Tgt Ion:173 Resp: 51  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.1 72.4#  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Tgt Ion:152 Resp: 101041  
Ion Ratio Lower Upper  
152 100  
115 53.1 43.3 129.9  
150 155.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.160 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

Instrument :

MSVOA\_X

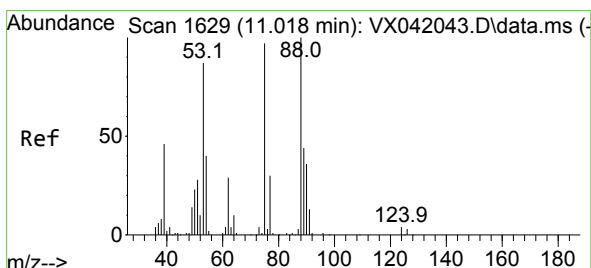
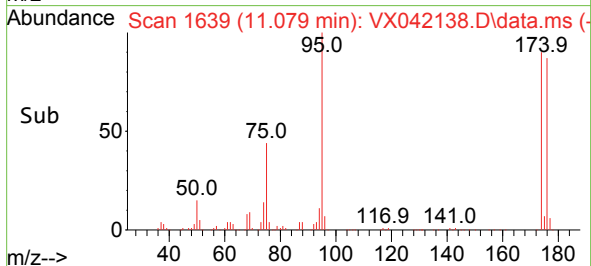
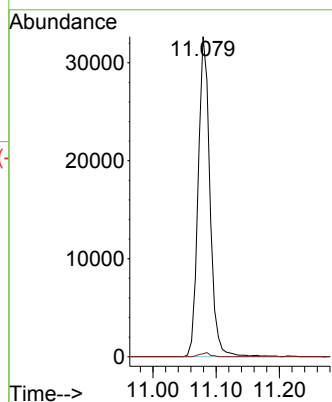
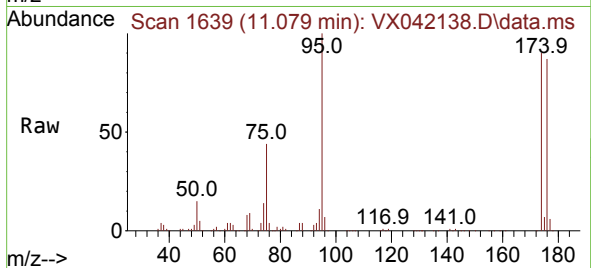
ClientSampleId :

Tgt Ion: 75 Resp: 42483

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.773 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042138.D

Acq: 02 Jul 2024 14:34

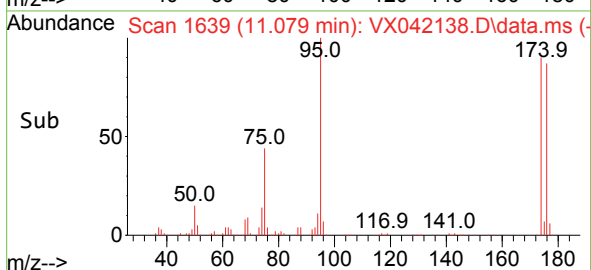
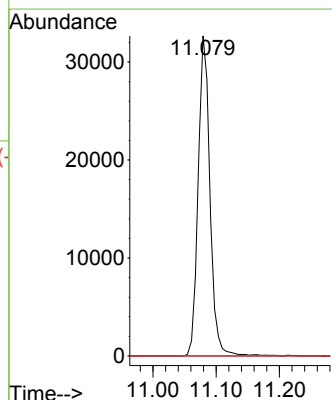
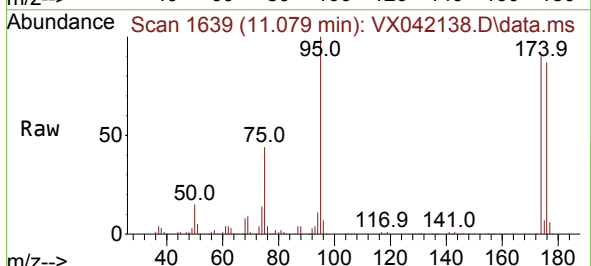
Tgt Ion: 75 Resp: 42483

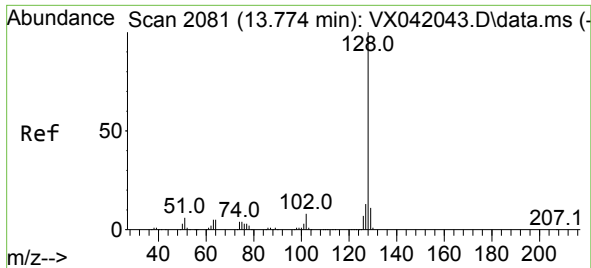
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

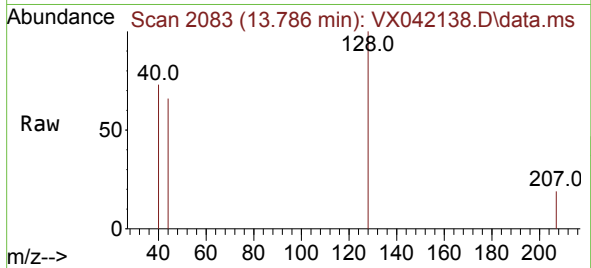
89 0.0 36.9 55.3#





#95  
Naphthalene  
Concen: 0.787 ug/l  
RT: 13.786 min Scan# 2083  
Delta R.T. 0.012 min  
Lab File: VX042138.D  
Acq: 02 Jul 2024 14:34

Instrument :  
MSVOA\_X  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 285   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.3  | 15.5# |
| 129      | 0.0   | 8.8   | 13.2# |

