

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062424\  
 Data File : VX041999.D  
 Acq On : 24 Jun 2024 13:00  
 Operator : JC/MD  
 Sample : VX0624WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jun 25 06:13:04 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

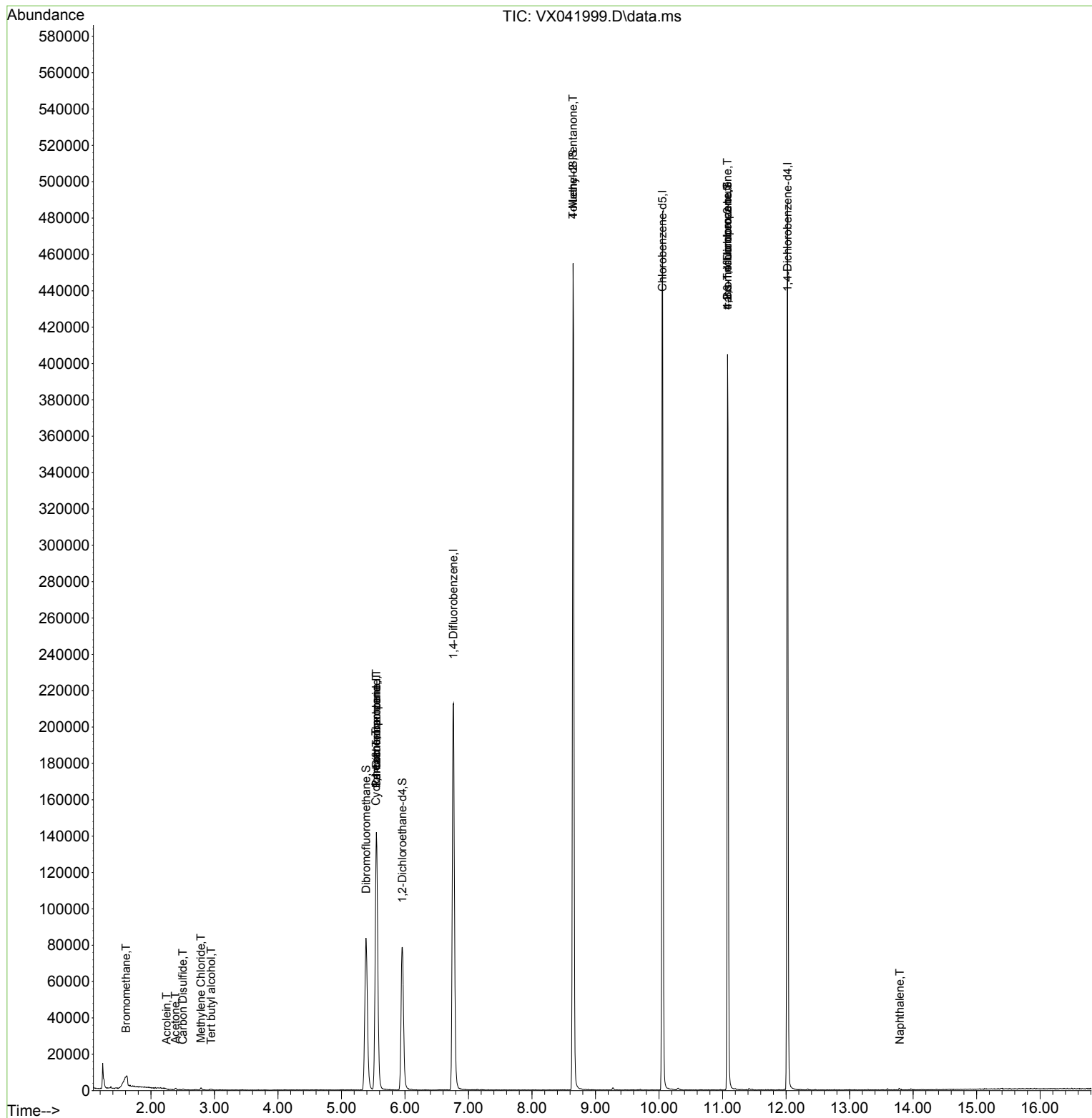
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 155703   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 237716   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 237872   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 119667   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 78087    | 43.492    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 86.980%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 74964    | 44.444    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 88.880%  |
| 50) Toluene-d8                | 8.647  | 98    | 282419   | 47.661    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 95.320%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 107293   | 49.120    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 98.240%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.605  | 94    | 519      | 0.705     | ug/l   | 86       |
| 6) Chloroethane               | 1.691  | 64    | 150      | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 2.946  | 59    | 351      | 1.030     | ug/l   | # 78     |
| 13) Acrolein                  | 2.245  | 56    | 193      | 0.505     | ug/l   | # 71     |
| 16) Acetone                   | 2.386  | 43    | 756      | 0.959     | ug/l   | # 60     |
| 17) Carbon Disulfide          | 2.501  | 76    | 641      | 0.234     | ug/l   | # 76     |
| 20) Methylene Chloride        | 2.788  | 84    | 598      | 0.346     | ug/l   | 90       |
| 31) Cyclohexane               | 5.544  | 56    | 2221     | 1.058     | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8826     | 4.928     | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 12990    | 6.564     | ug/l   | # 16     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1023     | 0.415     | ug/l   | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 49358    | 22.720    | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 49358    | 64.523    | ug/l   | # 5      |
| 95) Naphthalene               | 13.792 | 128   | 1042     | 0.867     | ug/l   | # 80     |
| -----                         |        |       |          |           |        |          |

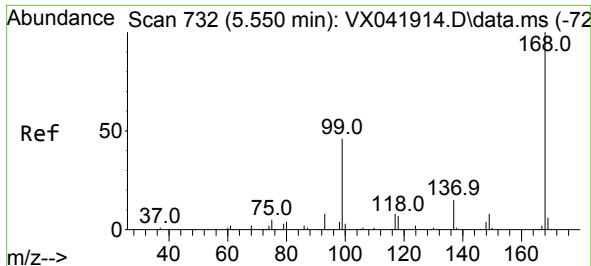
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062424\  
Data File : VX041999.D  
Acq On : 24 Jun 2024 13:00  
Operator : JC/MD  
Sample : VX0624WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

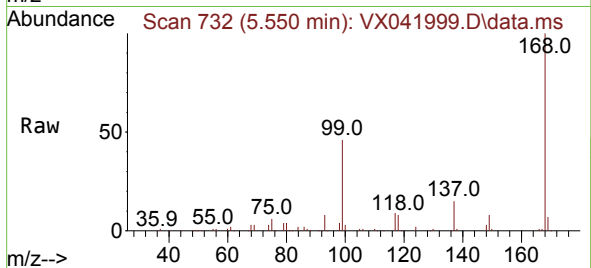
Quant Time: Jun 25 06:13:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061824W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 21 23:51:58 2024  
Response via : Initial Calibration



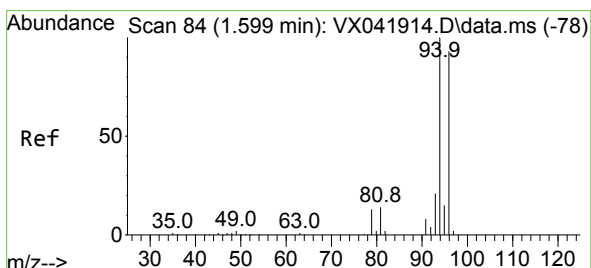
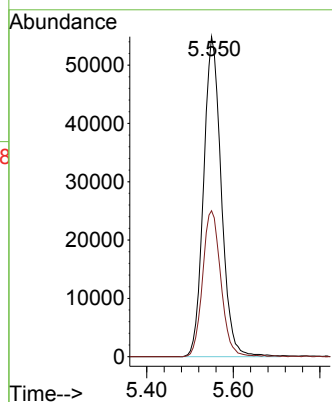
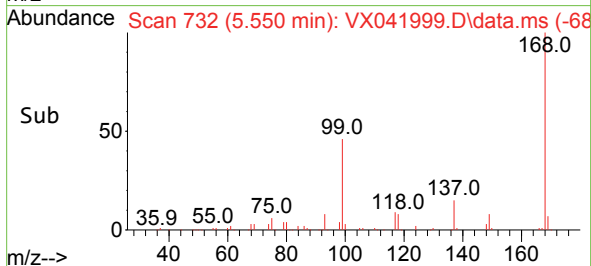


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :

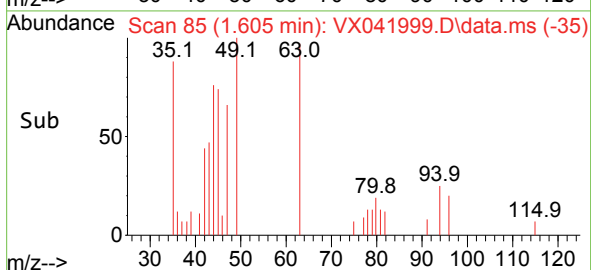
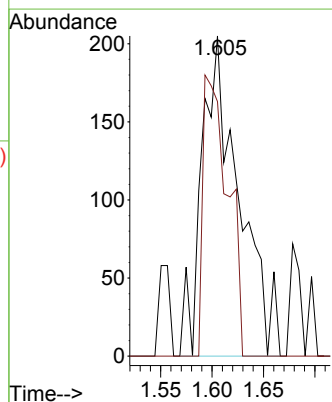
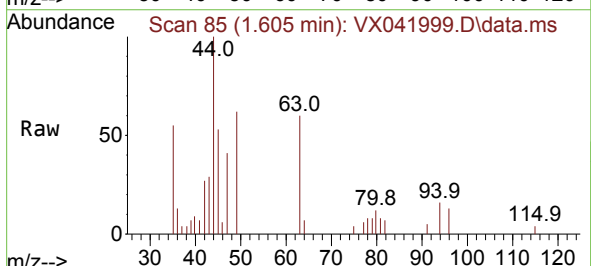


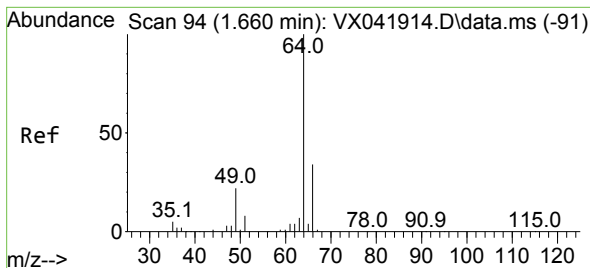
Tgt Ion:168 Resp: 155703  
Ion Ratio Lower Upper  
168 100  
99 45.6 56.6 85.0#



#5  
Bromomethane  
Concen: 0.705 ug/l  
RT: 1.605 min Scan# 85  
Delta R.T. 0.006 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 94 Resp: 519  
Ion Ratio Lower Upper  
94 100  
96 79.5 74.6 111.8

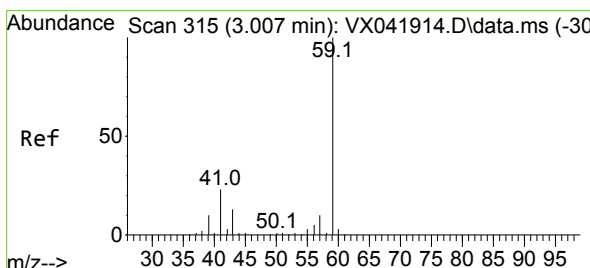
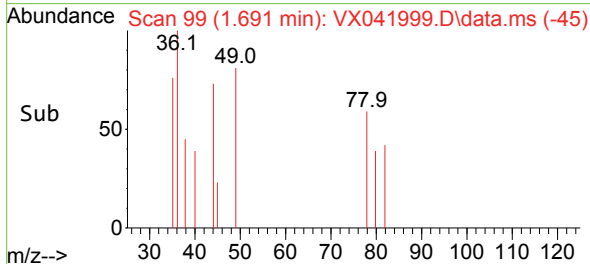
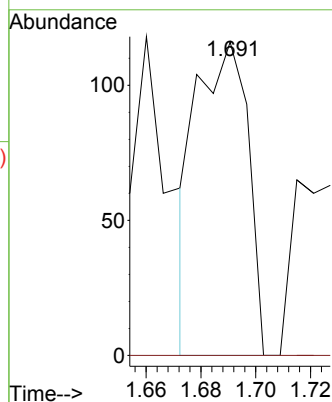
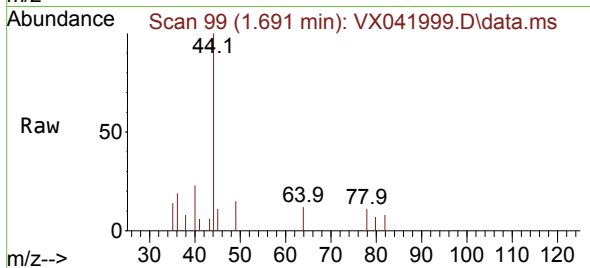




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.691 min Scan# 94  
Delta R.T. 0.031 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

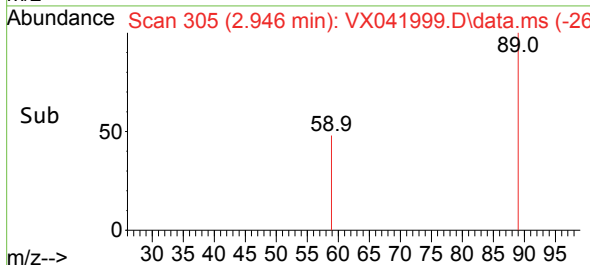
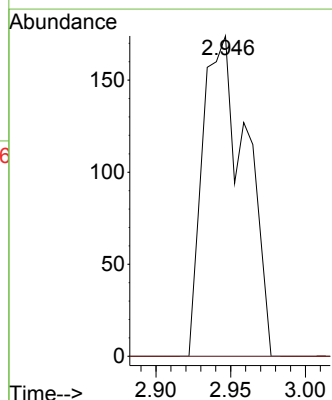
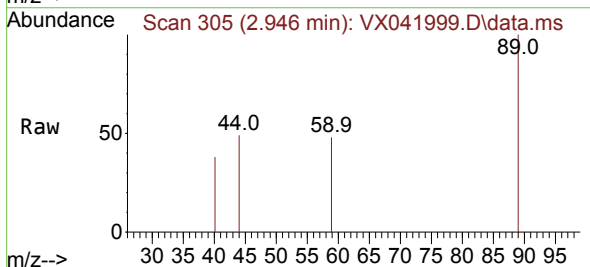
Instrument :  
MSVOA\_X  
ClientSampleId :

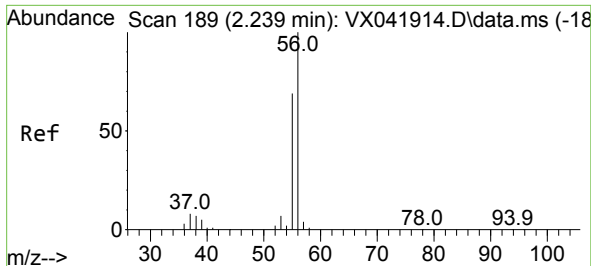
Tgt Ion: 64 Resp: 150  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: 1.030 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.061 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 59 Resp: 351  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.505 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX041999.D

Acq: 24 Jun 2024 13:00

Instrument :

MSVOA\_X

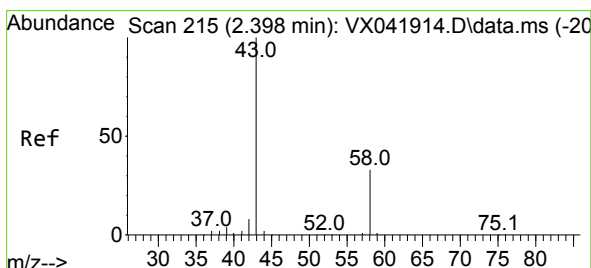
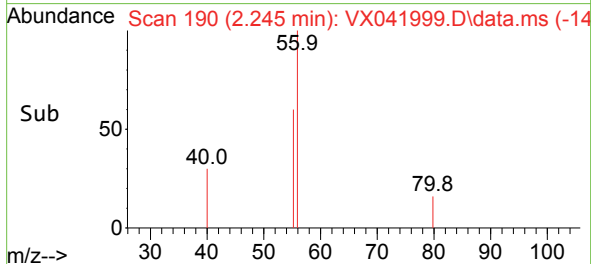
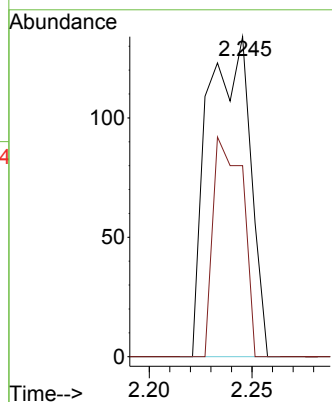
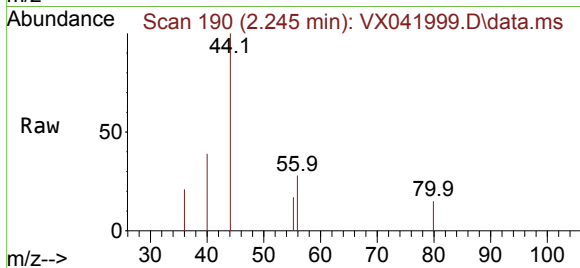
ClientSampleId :

Tgt Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 47.7 57.1 85.7#



#16

Acetone

Concen: 0.959 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX041999.D

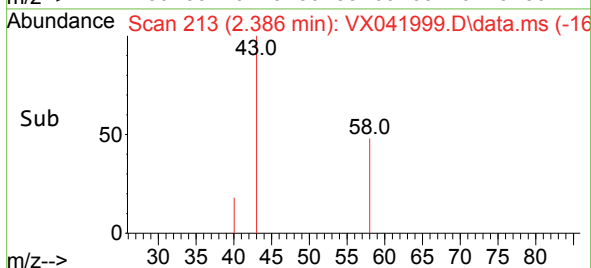
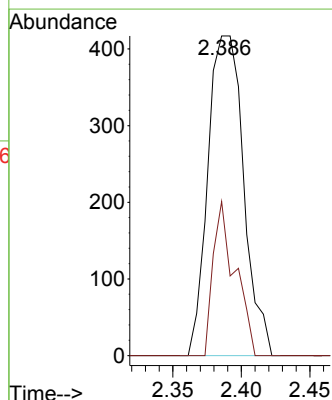
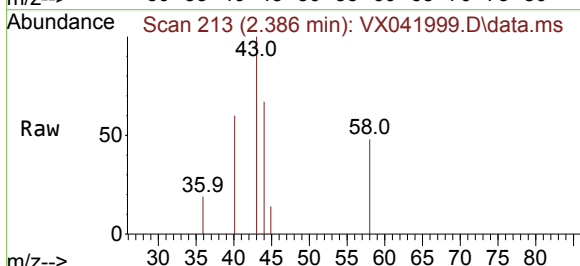
Acq: 24 Jun 2024 13:00

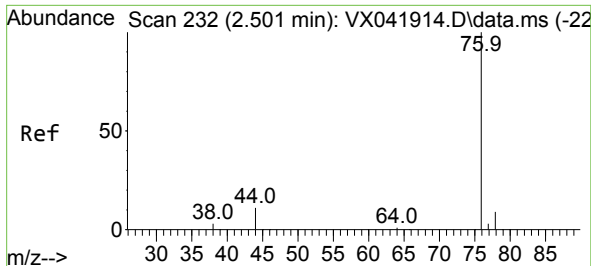
Tgt Ion: 43 Resp: 756

Ion Ratio Lower Upper

43 100

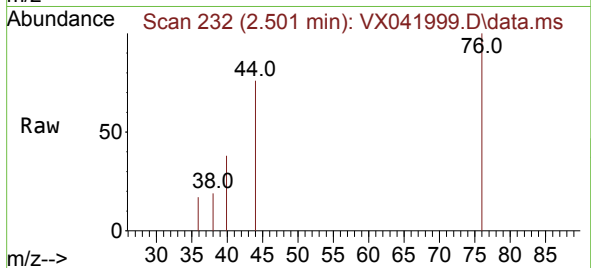
58 48.2 21.9 32.9#



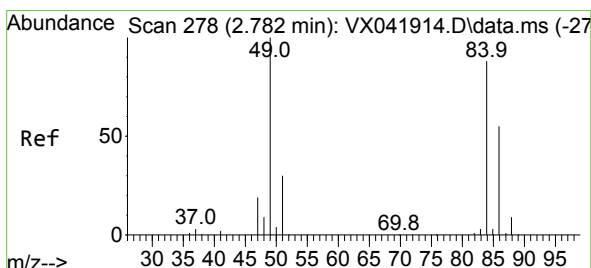
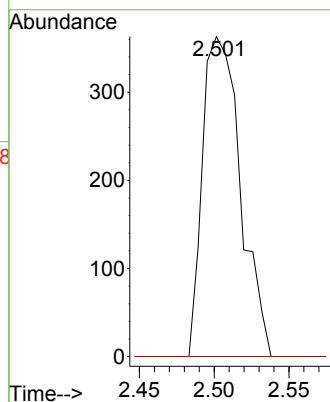
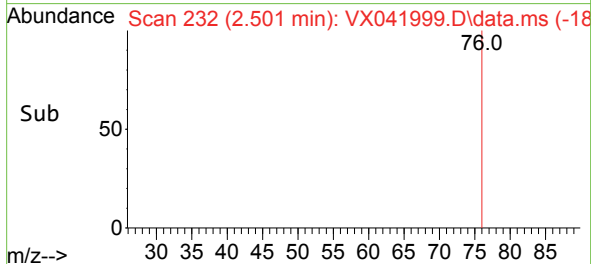


#17  
Carbon Disulfide  
Concen: 0.234 ug/l  
RT: 2.501 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

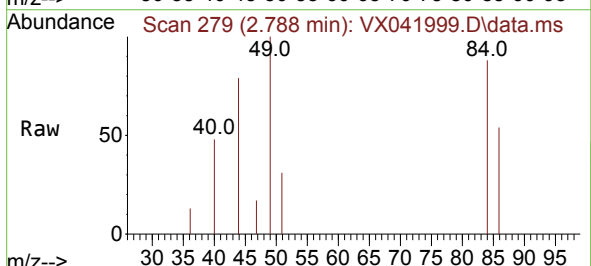
Instrument :  
MSVOA\_X  
ClientSampleId :



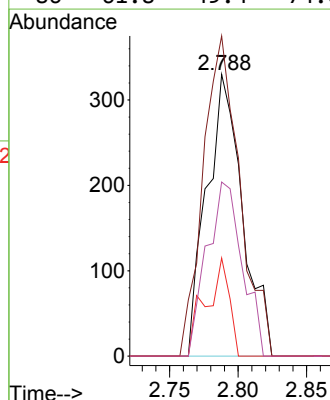
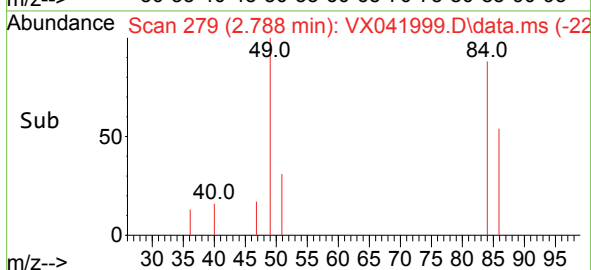
Tgt Ion: 76 Resp: 641  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.0 10.6#

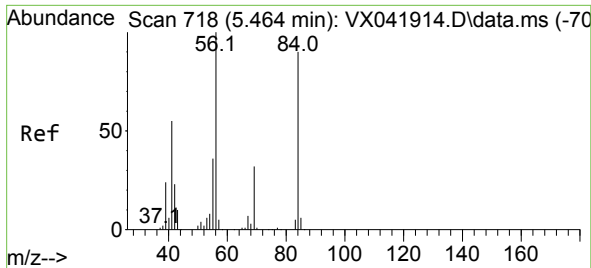


#20  
Methylene Chloride  
Concen: 0.346 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00



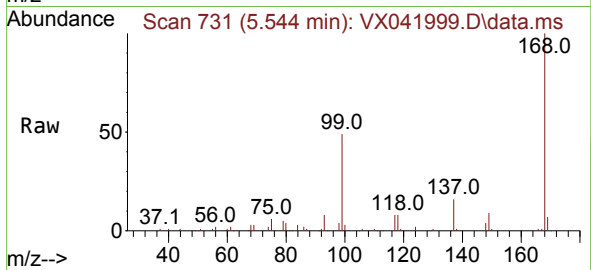
Tgt Ion: 84 Resp: 598  
Ion Ratio Lower Upper  
84 100  
49 113.6 103.6 155.4  
51 34.8 33.8 50.6  
86 61.8 49.4 74.0



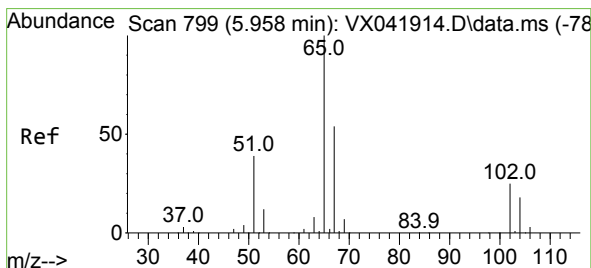
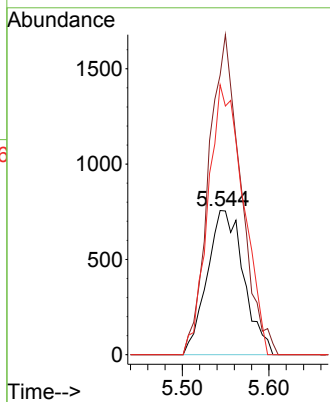
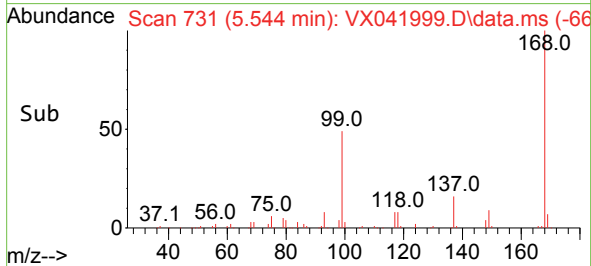


#31  
Cyclohexane  
Concen: 1.058 ug/l  
RT: 5.544 min Scan# 718  
Delta R.T. 0.079 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :

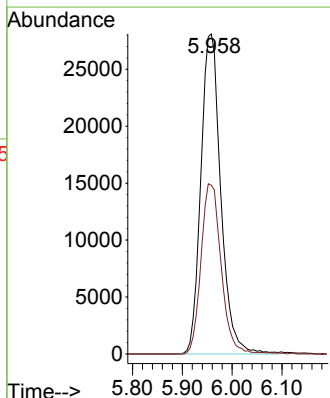
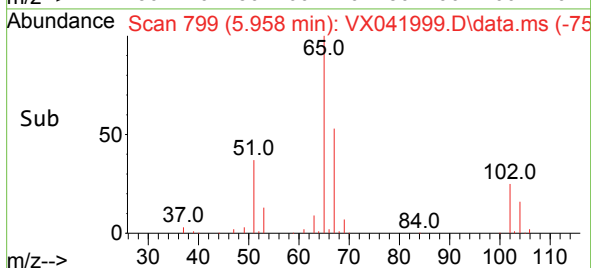
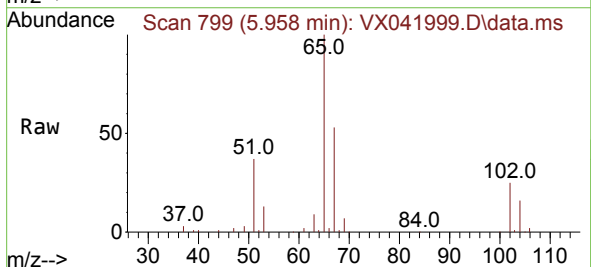


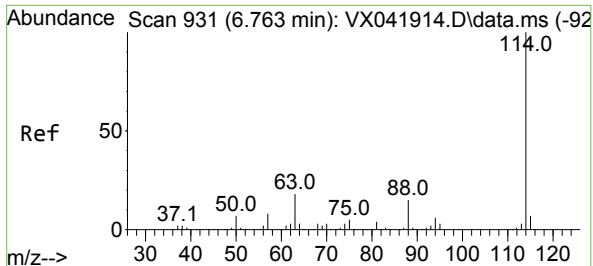
Tgt Ion: 56 Resp: 2221  
Ion Ratio Lower Upper  
56 100  
69 193.8 23.4 35.2#  
84 187.1 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 43.492 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 65 Resp: 78087  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 100.2

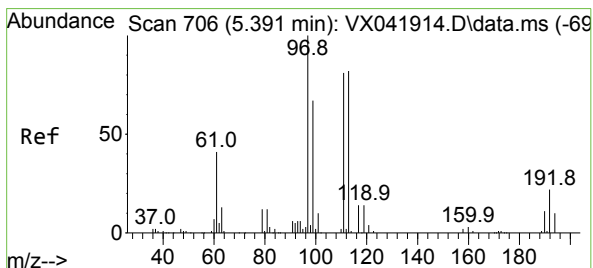
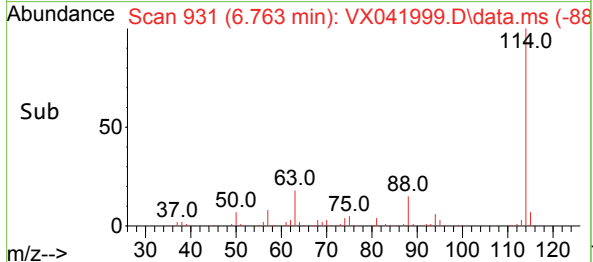
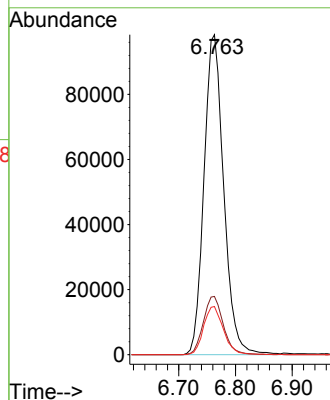
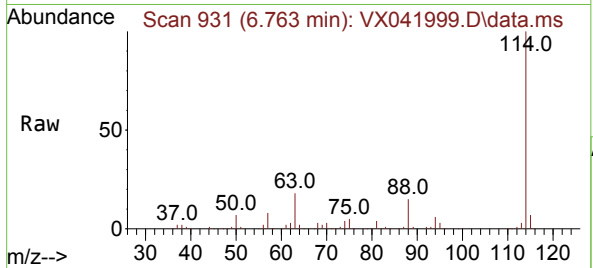




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

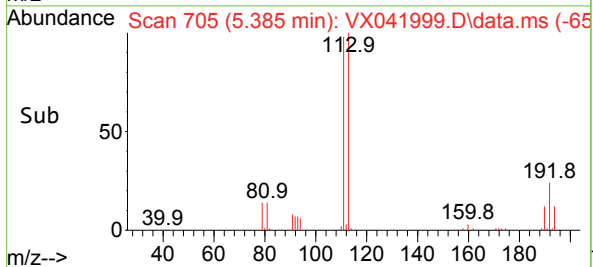
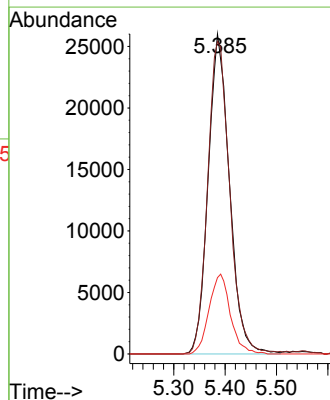
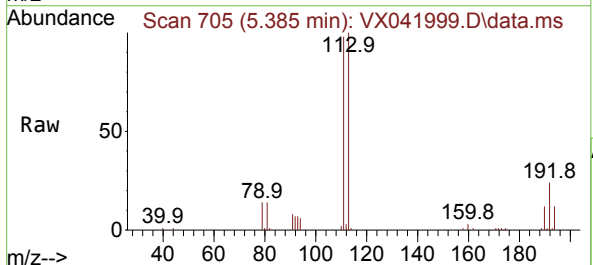
Instrument :  
MSVOA\_X  
ClientSampleId :

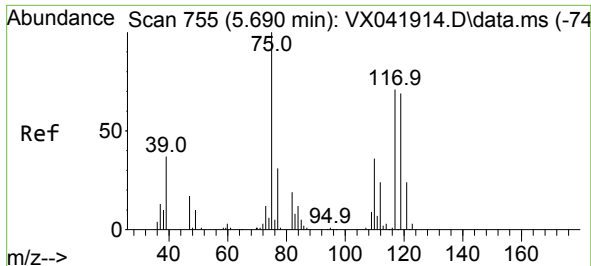
Tgt Ion:114 Resp: 237716  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 45.0  
88 15.1 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.444 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion:113 Resp: 74964  
Ion Ratio Lower Upper  
113 100  
111 100.9 82.9 124.3  
192 25.0 13.3 19.9#

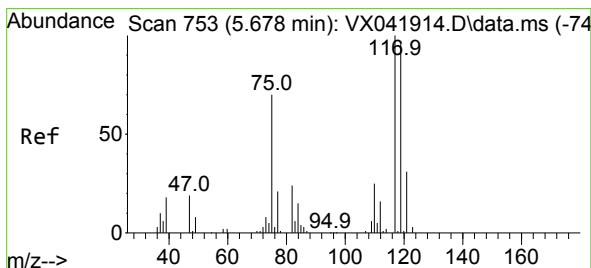
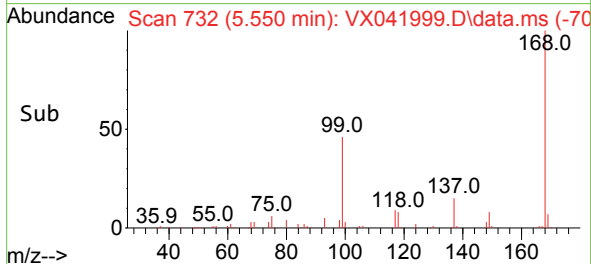
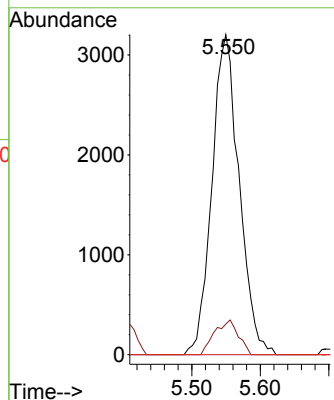
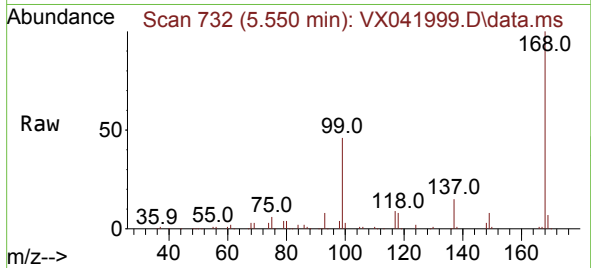




#36  
1,1-Dichloropropene  
Concen: 4.928 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.140 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

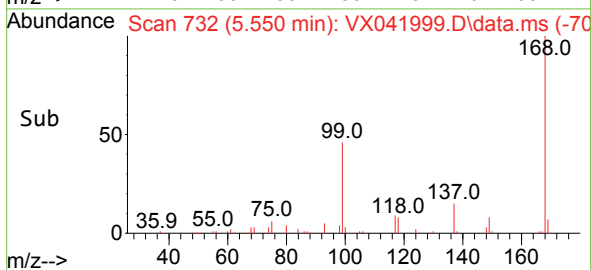
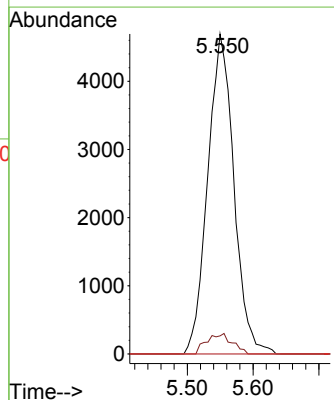
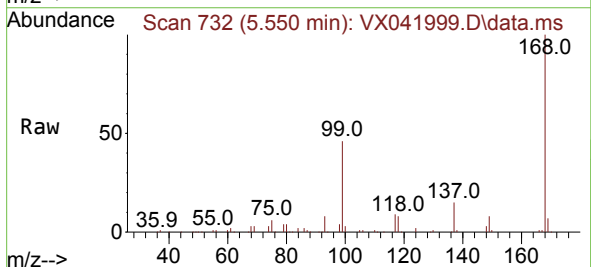
Instrument :  
MSVOA\_X  
ClientSampleId :

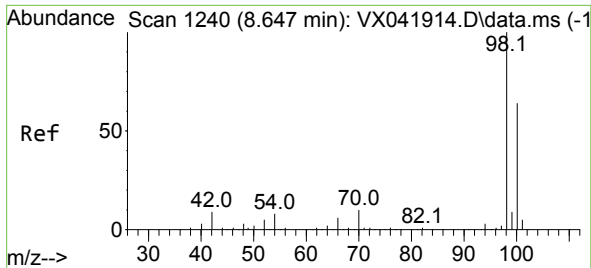
Tgt Ion: 75 Resp: 8826  
Ion Ratio Lower Upper  
75 100  
110 9.4 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.564 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 117 Resp: 12990  
Ion Ratio Lower Upper  
117 100  
119 5.7 78.2 117.2#  
121 0.0 24.4 36.6#

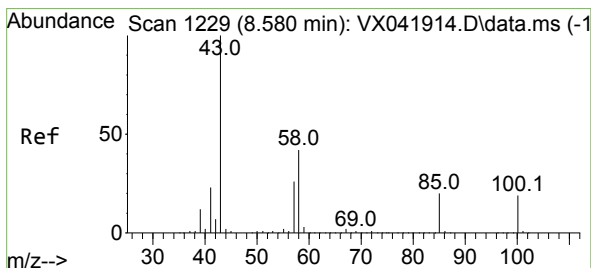
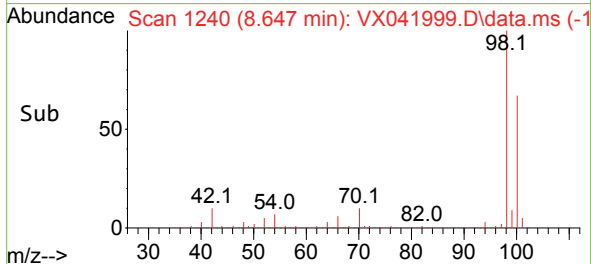
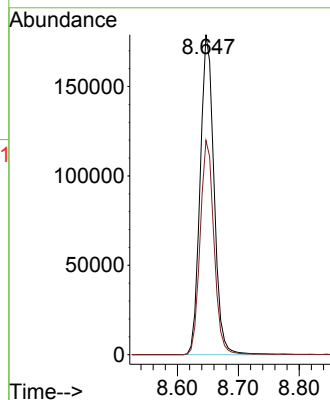
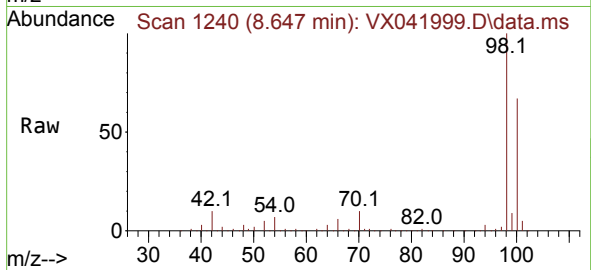




#50  
Toluene-d8  
Concen: 47.661 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

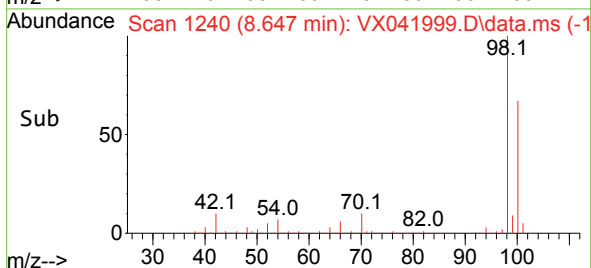
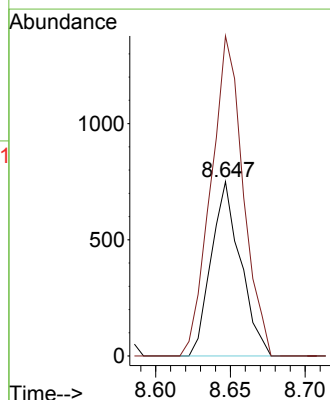
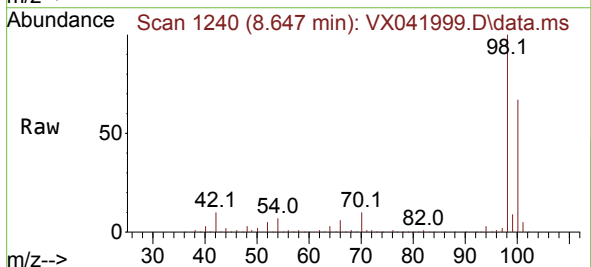
Instrument :  
MSVOA\_X  
ClientSampleId :

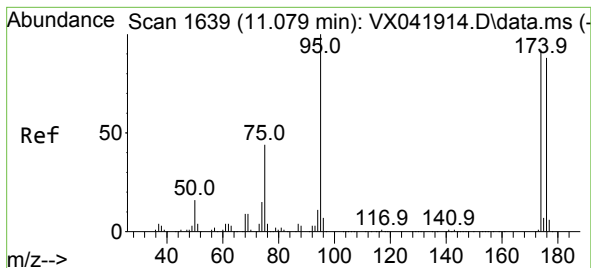
Tgt Ion: 98 Resp: 282419  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.415 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 43 Resp: 1023  
Ion Ratio Lower Upper  
43 100  
58 201.9 30.4 45.6#

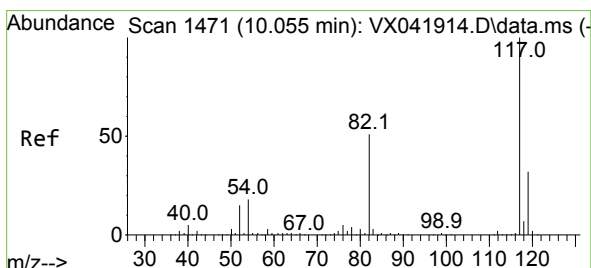
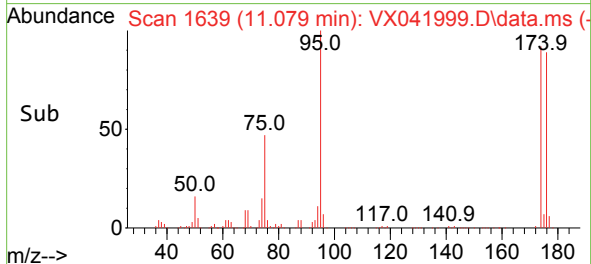
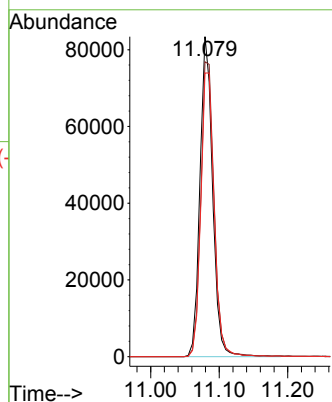
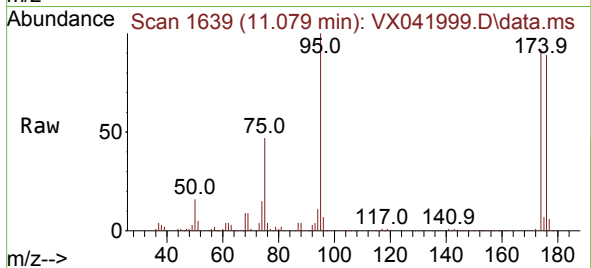




#62  
4-Bromofluorobenzene  
Concen: 49.120 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

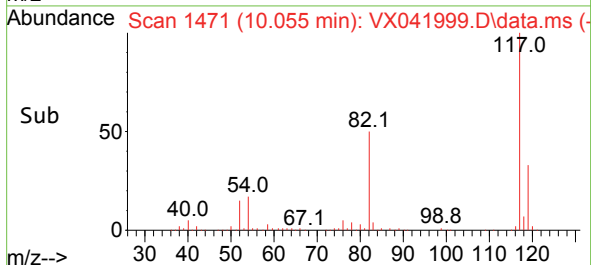
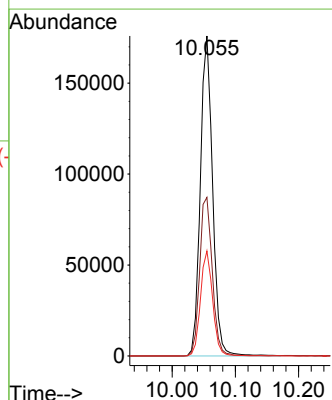
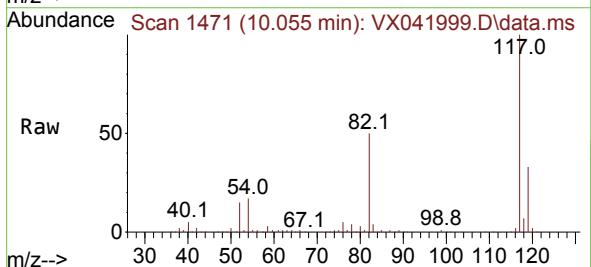
Instrument :  
MSVOA\_X  
ClientSampleId :

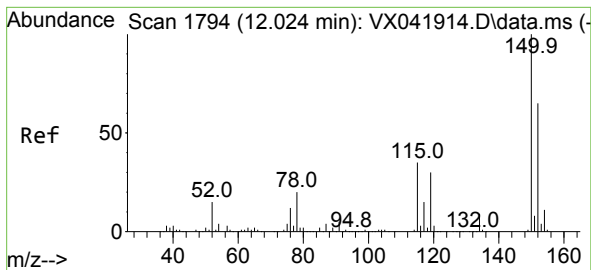
Tgt Ion: 95 Resp: 107293  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 135.6  
176 93.7 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

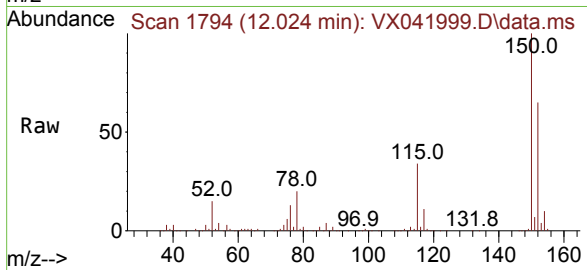
Tgt Ion: 117 Resp: 237872  
Ion Ratio Lower Upper  
117 100  
82 49.6 46.2 69.4  
119 32.8 25.5 38.3



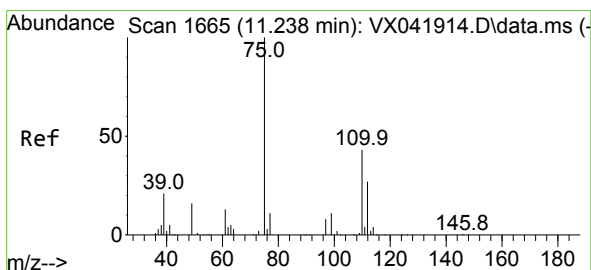
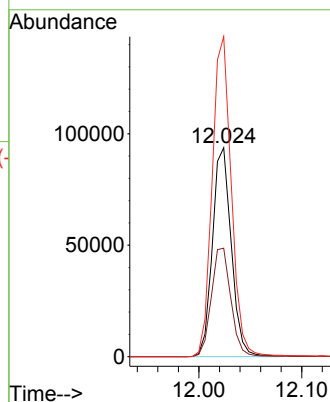
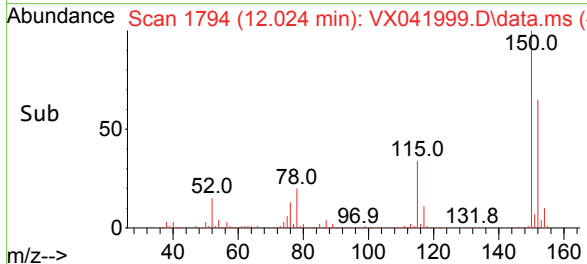


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :

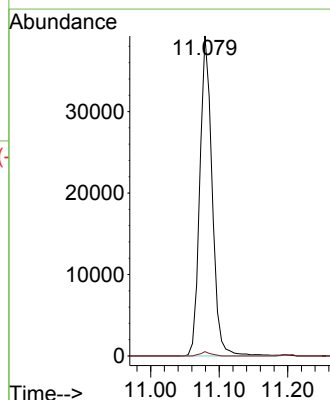
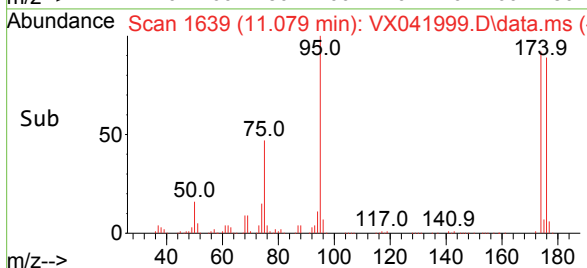
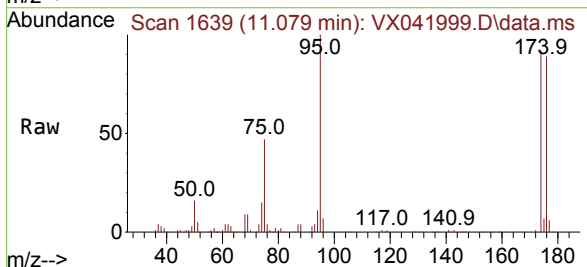


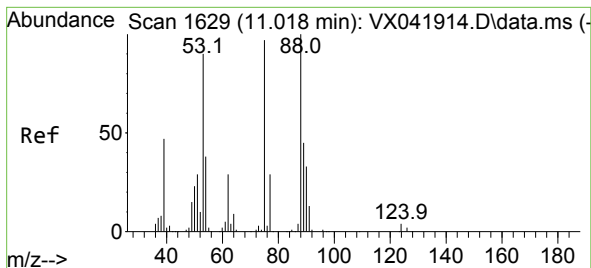
Tgt Ion:152 Resp: 119667  
Ion Ratio Lower Upper  
152 100  
115 54.2 43.3 129.9  
150 156.5 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 22.720 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

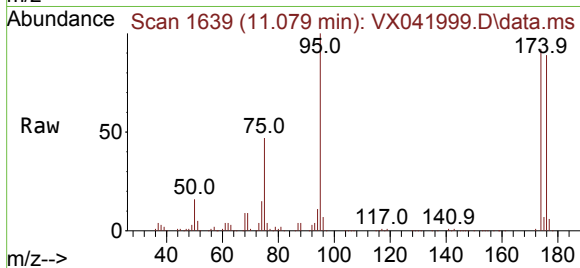
Tgt Ion: 75 Resp: 49358  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



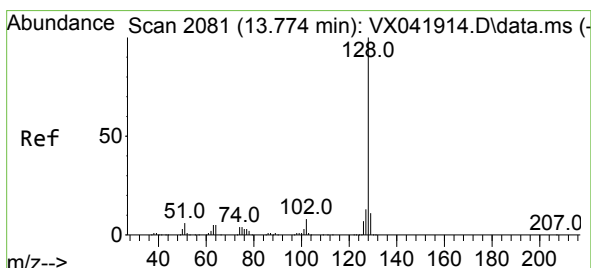
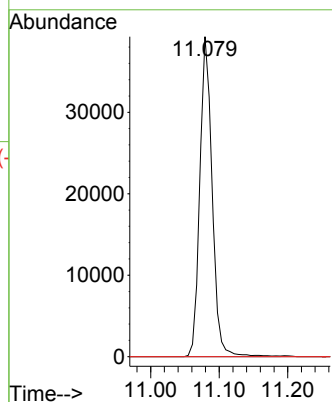
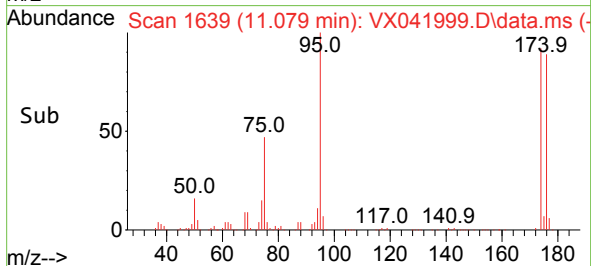


#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.523 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 75 Resp: 49358  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#



#95  
Naphthalene  
Concen: 0.867 ug/l  
RT: 13.792 min Scan# 2084  
Delta R.T. 0.018 min  
Lab File: VX041999.D  
Acq: 24 Jun 2024 13:00

Tgt Ion: 128 Resp: 1042  
Ion Ratio Lower Upper  
128 100  
127 8.0 10.3 15.5#  
129 0.0 8.8 13.2#

