

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042324\  
 Data File : VX041207.D  
 Acq On : 23 Apr 2024 11:20  
 Operator : JC/MD  
 Sample : VX0423WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 24 01:43:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 05:30:28 2024  
 Response via : Initial Calibration

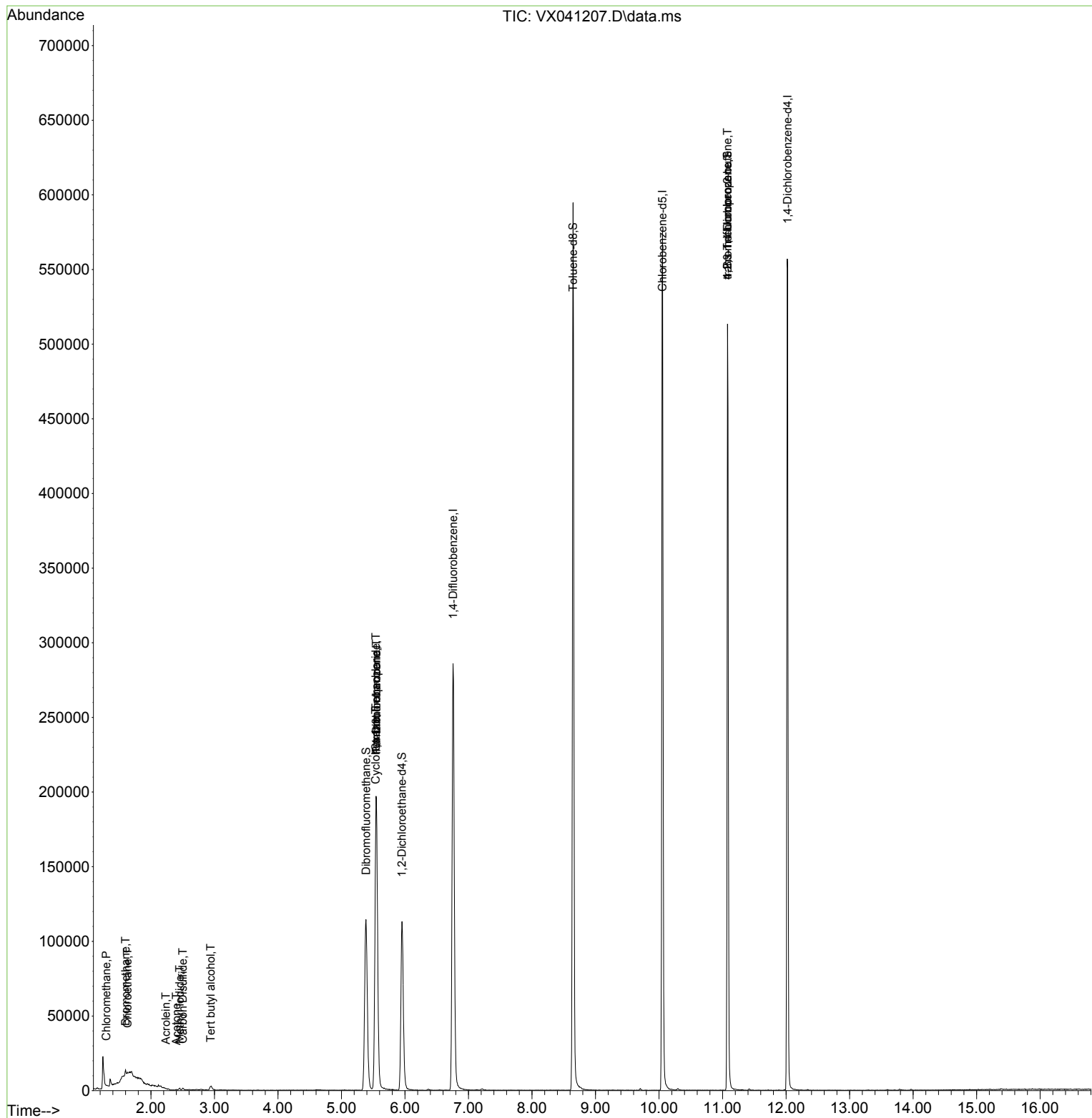
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 219348   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 322396   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 296352   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 131670   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 111873   | 53.578   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | = 107.160% |          |
| 35) Dibromofluoromethane      | 5.385  | 113   | 99817    | 50.899   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | = 101.800% |          |
| 50) Toluene-d8                | 8.647  | 98    | 366341   | 55.368   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | = 110.740% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 133004   | 54.462   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | = 108.920% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.294  | 50    | 623      | 0.332    | ug/l       | # 72     |
| 5) Bromomethane               | 1.599  | 94    | 1402     | 1.326    | ug/l       | 87       |
| 6) Chloroethane               | 1.630  | 64    | 503      | 0.705    | ug/l       | # 65     |
| 10) Methyl Iodide             | 2.453  | 142   | 1594     | 0.772    | ug/l       | # 80     |
| 11) Tert butyl alcohol        | 2.940  | 59    | 1878     | 5.020    | ug/l       | # 78     |
| 13) Acrolein                  | 2.233  | 56    | 545      | 1.299    | ug/l       | # 61     |
| 16) Acetone                   | 2.398  | 43    | 376      | 0.495    | ug/l       | # 47     |
| 17) Carbon Disulfide          | 2.502  | 76    | 1659     | 0.497    | ug/l       | 100      |
| 31) Cyclohexane               | 5.538  | 56    | 3299     | 1.174    | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 13031    | 5.193    | ug/l       | # 51     |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 18458    | 6.586    | ug/l       | # 14     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 64450    | 30.380   | ug/l       | # 38     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 64450    | 85.712   | ug/l       | # 5      |
| -----                         |        |       |          |          |            |          |

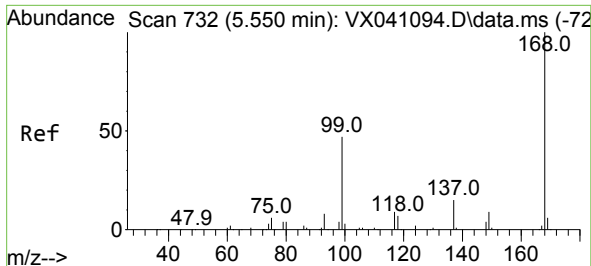
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042324\  
Data File : VX041207.D  
Acq On : 23 Apr 2024 11:20  
Operator : JC/MD  
Sample : VX0423WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 24 01:43:31 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042224W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 05:30:28 2024  
Response via : Initial Calibration

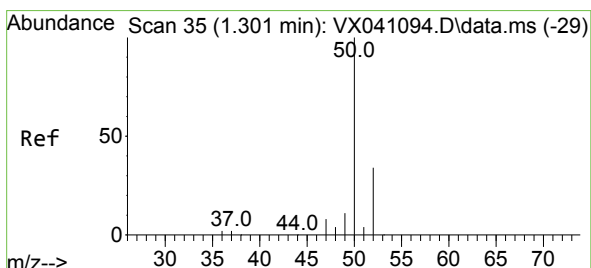
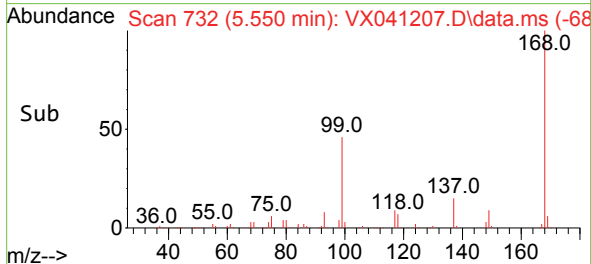
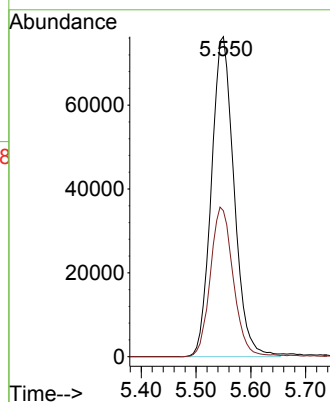
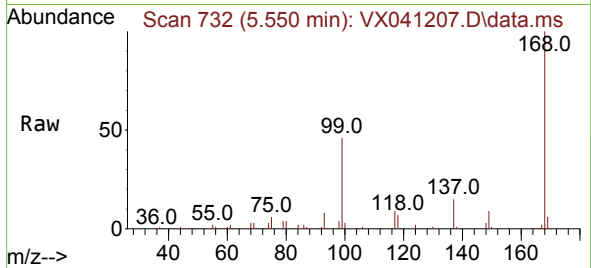




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

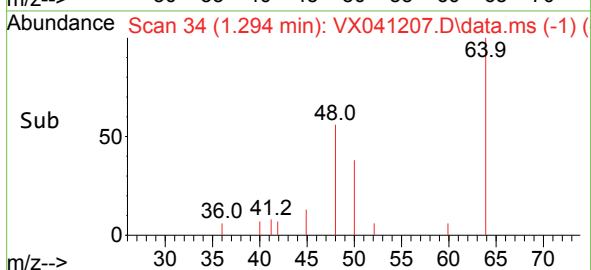
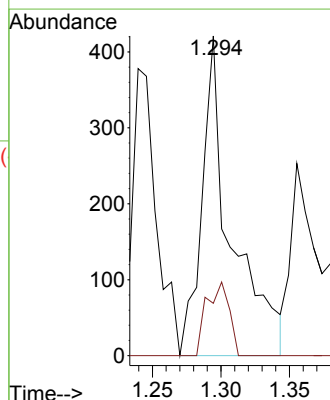
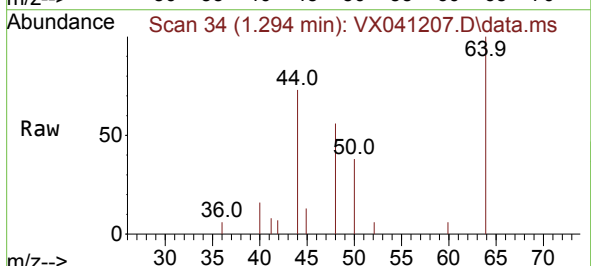
Instrument :  
MSVOA\_X  
ClientSampleId :

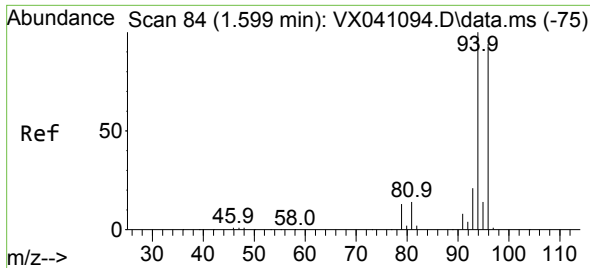
Tgt Ion:168 Resp: 219348  
Ion Ratio Lower Upper  
168 100  
99 45.6 56.6 85.0#



#3  
Chloromethane  
Concen: 0.332 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Tgt Ion: 50 Resp: 623  
Ion Ratio Lower Upper  
50 100  
52 16.4 25.5 38.3#

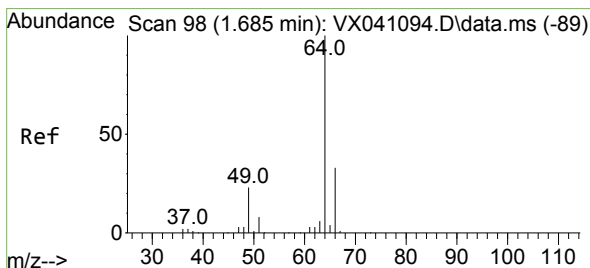
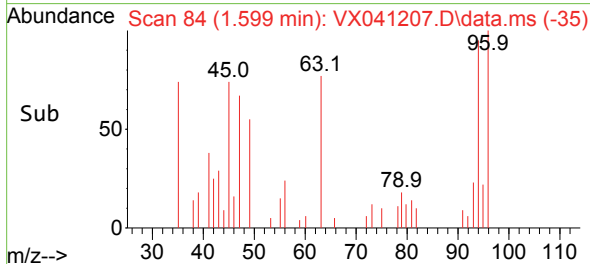
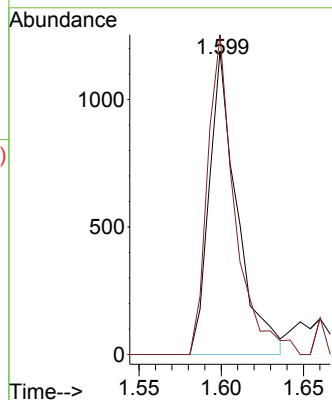
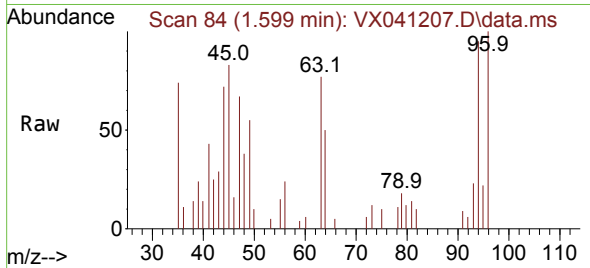




#5  
Bromomethane  
Concen: 1.326 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

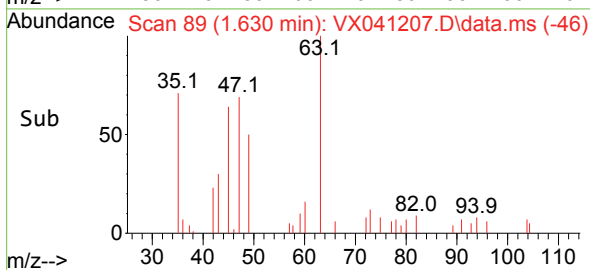
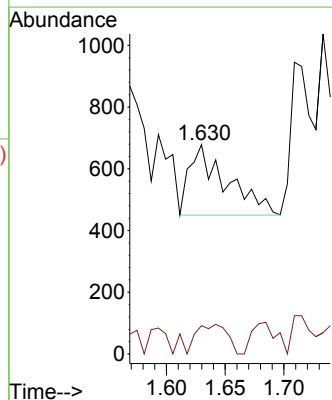
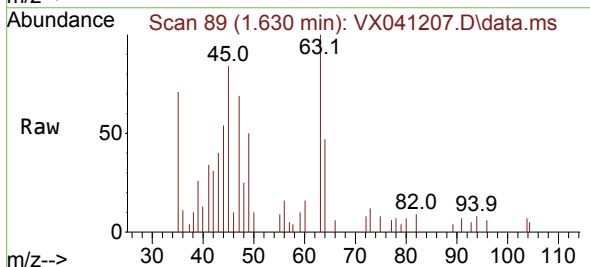
Instrument :  
MSVOA\_X  
ClientSampleId :

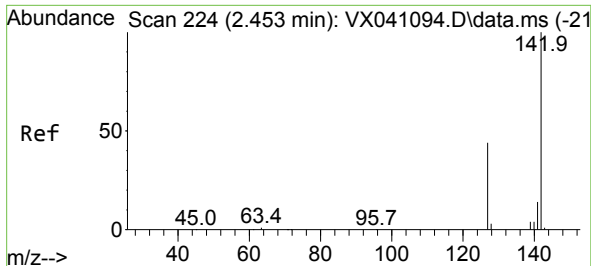
Tgt Ion: 94 Resp: 1402  
Ion Ratio Lower Upper  
94 100  
96 105.4 74.6 111.8



#6  
Chloroethane  
Concen: 0.705 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. -0.037 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

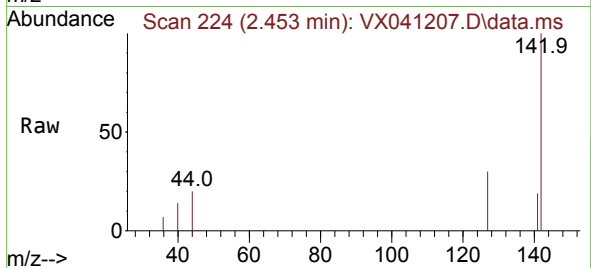
Tgt Ion: 64 Resp: 503  
Ion Ratio Lower Upper  
64 100  
66 11.8 25.1 37.7#



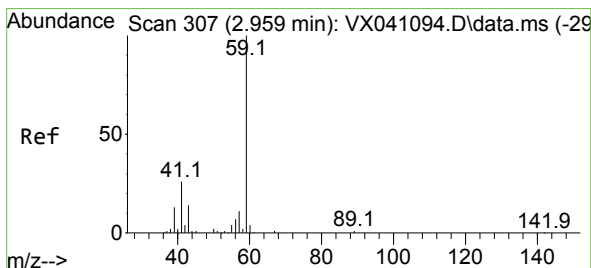
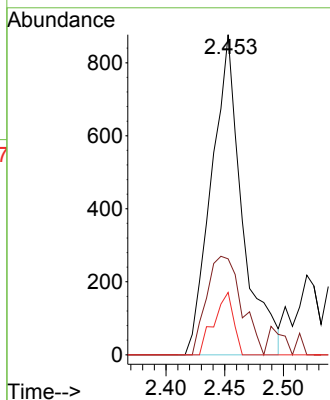
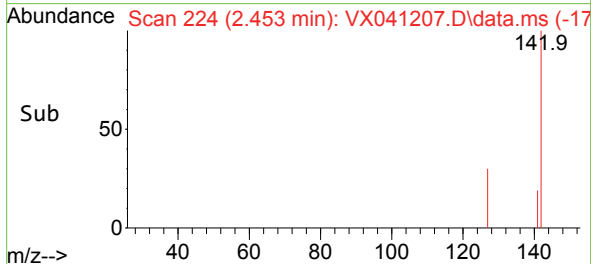


#10  
Methyl Iodide  
Concen: 0.772 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Instrument :  
MSVOA\_X  
ClientSampleId :

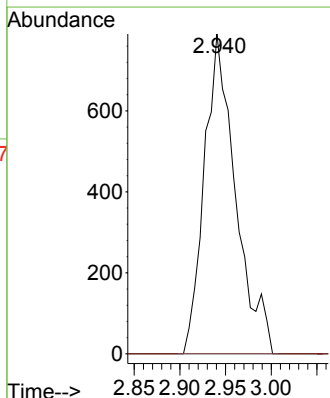
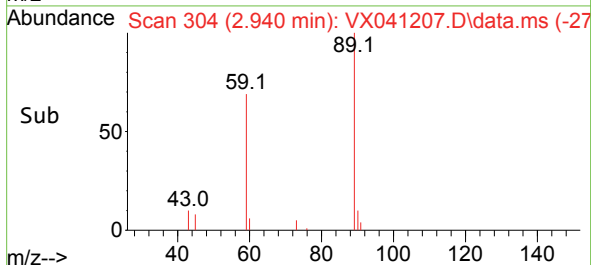
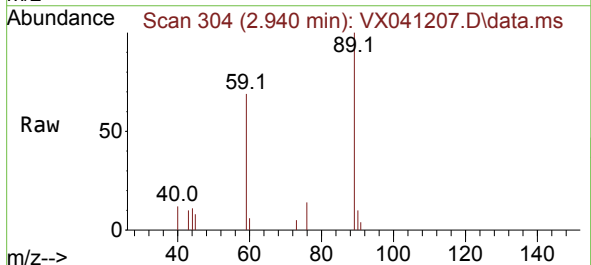


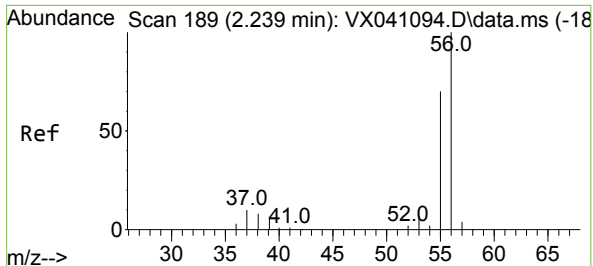
Tgt Ion:142 Resp: 1594  
Ion Ratio Lower Upper  
142 100  
127 34.9 41.6 62.4#  
141 12.4 11.6 17.4



#11  
Tert butyl alcohol  
Concen: 5.020 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.122 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

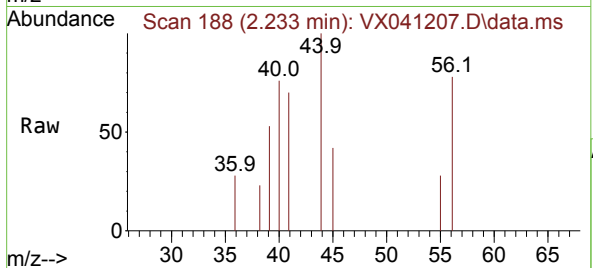
Tgt Ion: 59 Resp: 1878  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



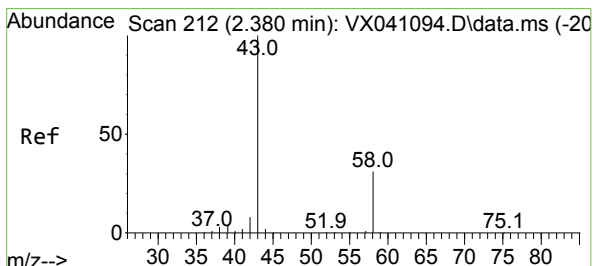
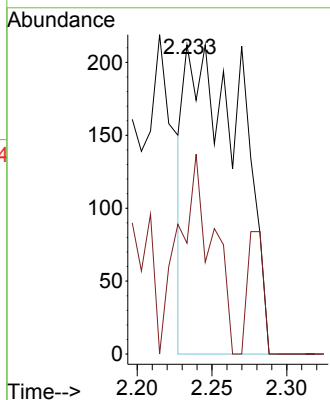
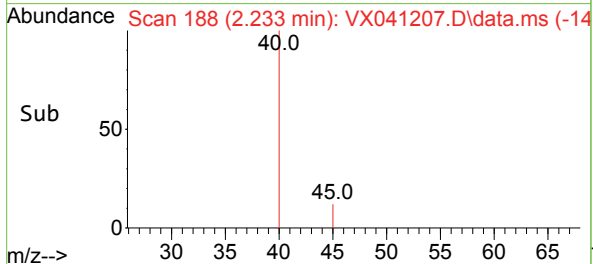


#13  
Acrolein  
Concen: 1.299 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Instrument :  
MSVOA\_X  
ClientSampleId :

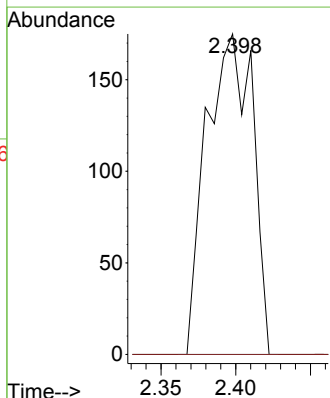
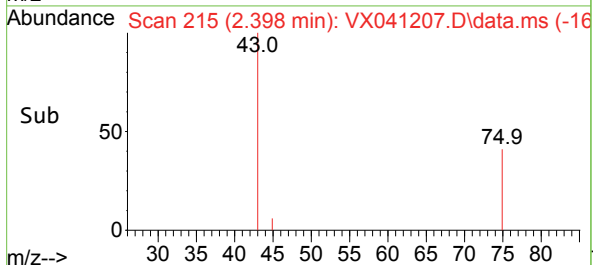
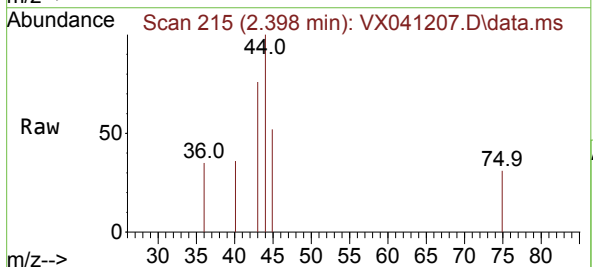


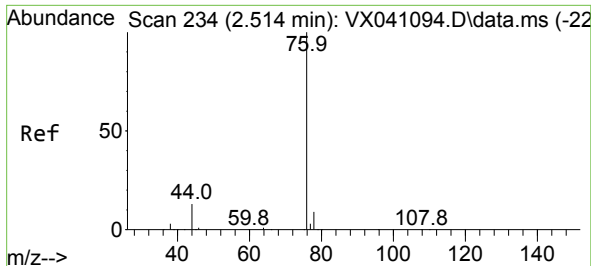
Tgt Ion: 56 Resp: 545  
Ion Ratio Lower Upper  
56 100  
55 39.3 57.1 85.7#



#16  
Acetone  
Concen: 0.495 ug/l  
RT: 2.398 min Scan# 215  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

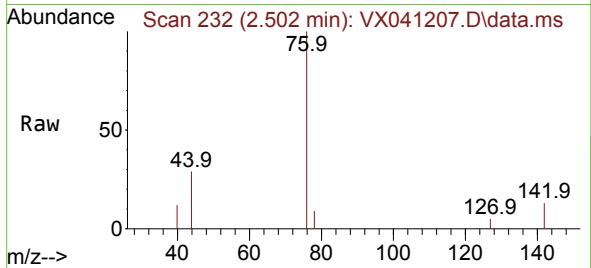
Tgt Ion: 43 Resp: 376  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.9 32.9#



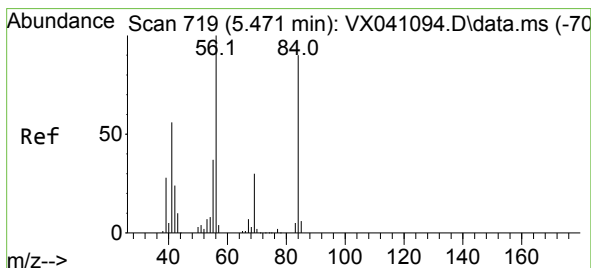
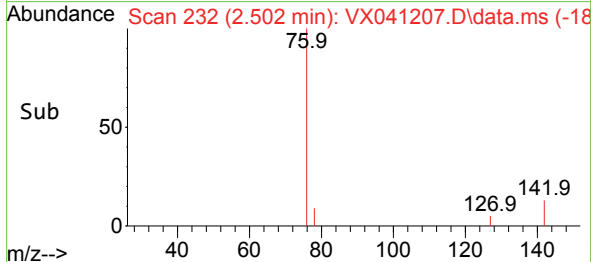
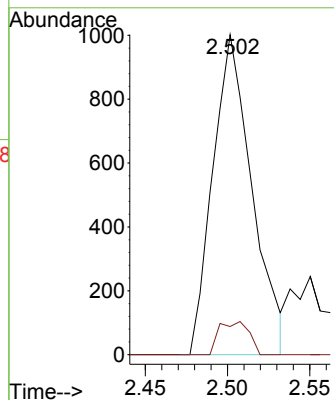


#17  
Carbon Disulfide  
Concen: 0.497 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Instrument :  
MSVOA\_X  
ClientSampleId :

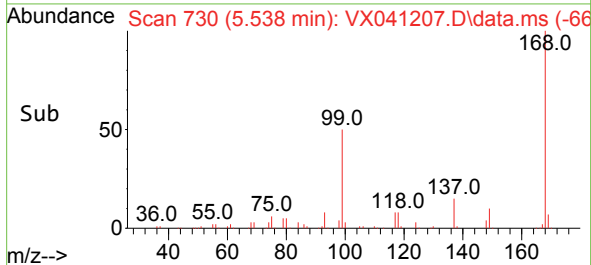
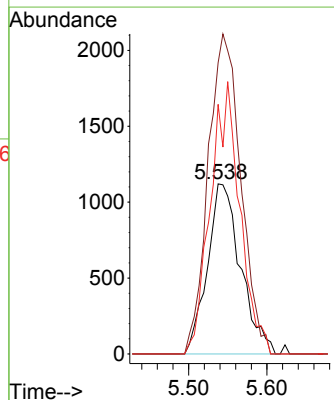
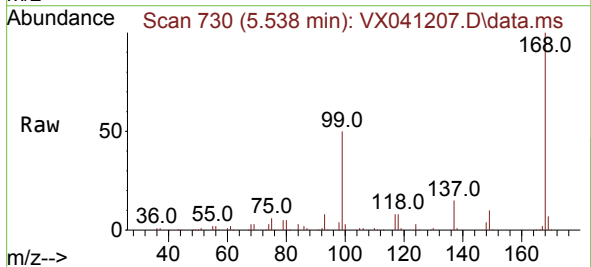


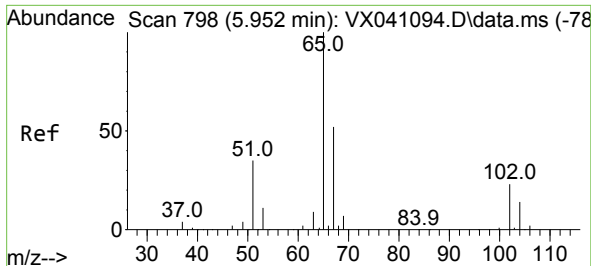
Tgt Ion: 76 Resp: 1659  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.6



#31  
Cyclohexane  
Concen: 1.174 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. 0.073 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Tgt Ion: 56 Resp: 3299  
Ion Ratio Lower Upper  
56 100  
69 171.1 23.4 35.2#  
84 146.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.578 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041207.D

Acq: 23 Apr 2024 11:20

Instrument :

MSVOA\_X

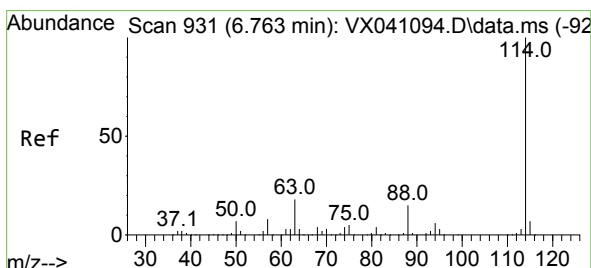
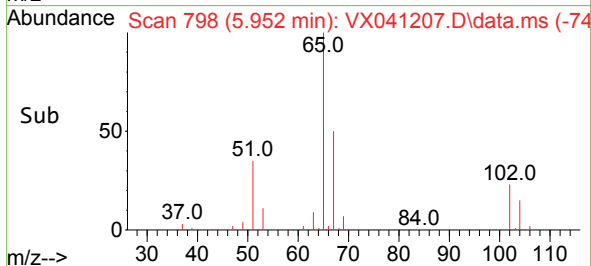
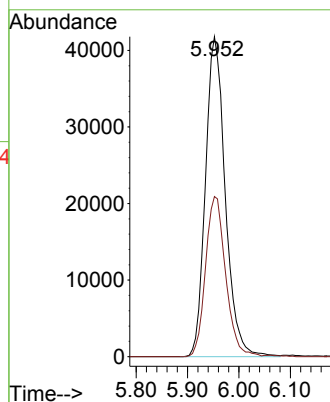
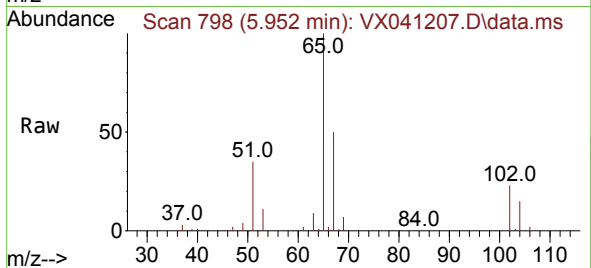
ClientSampleId :

Tgt Ion: 65 Resp: 111873

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041207.D

Acq: 23 Apr 2024 11:20

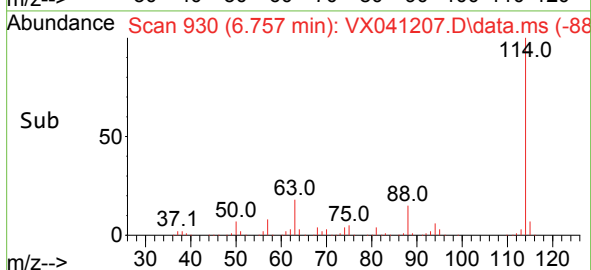
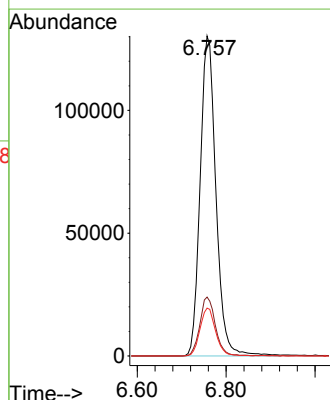
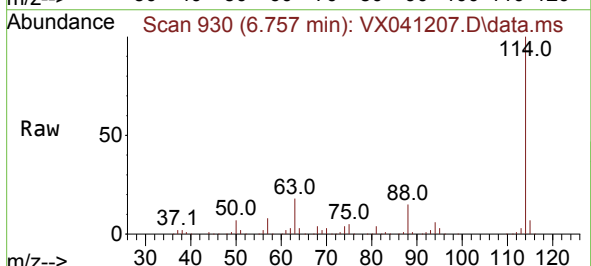
Tgt Ion: 114 Resp: 322396

Ion Ratio Lower Upper

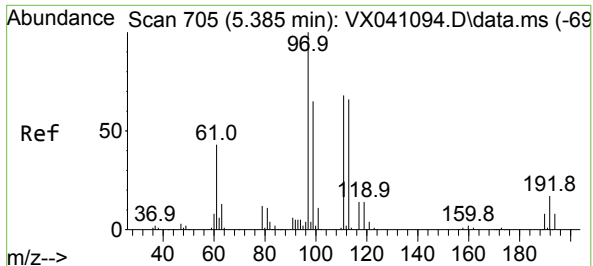
114 100

63 18.4 0.0 45.0

88 14.9 0.0 36.6



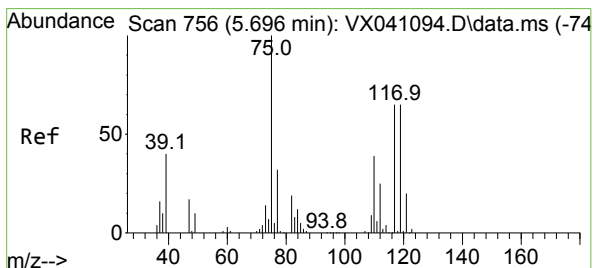
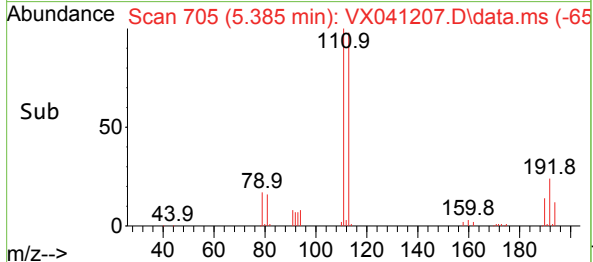
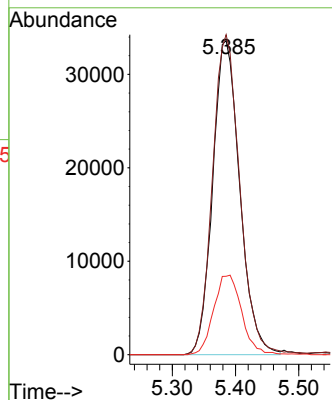
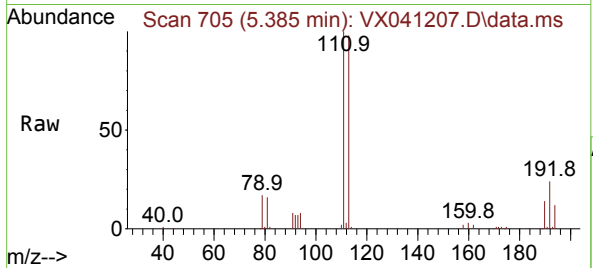




#35  
Dibromofluoromethane  
Concen: 50.899 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

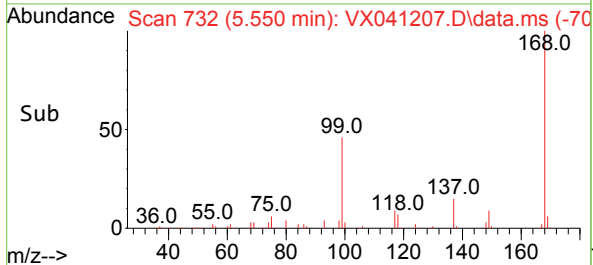
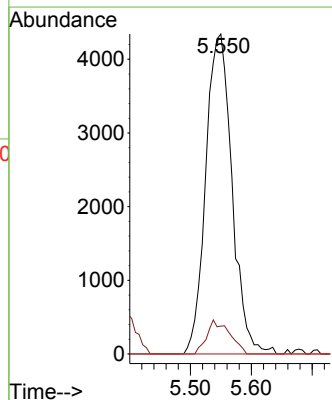
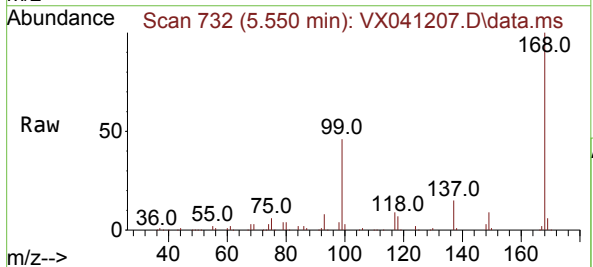
Instrument :  
MSVOA\_X  
ClientSampleId :

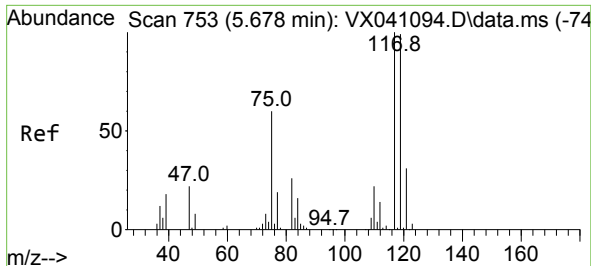
Tgt Ion:113 Resp: 99817  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.9 124.3  
192 26.1 13.3 19.9#



#36  
1,1-Dichloropropene  
Concen: 5.193 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

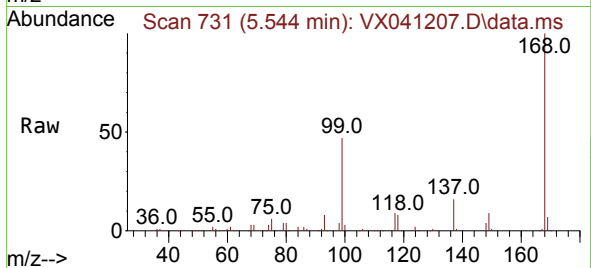
Tgt Ion: 75 Resp: 13031  
Ion Ratio Lower Upper  
75 100  
110 9.2 17.0 50.9#  
77 0.0 24.7 37.1#



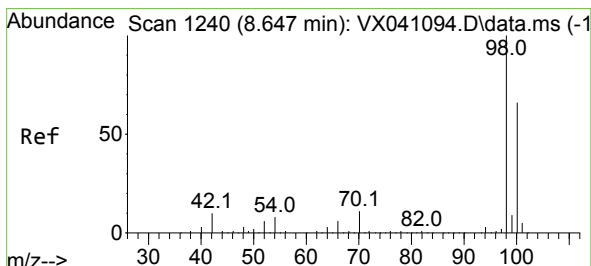
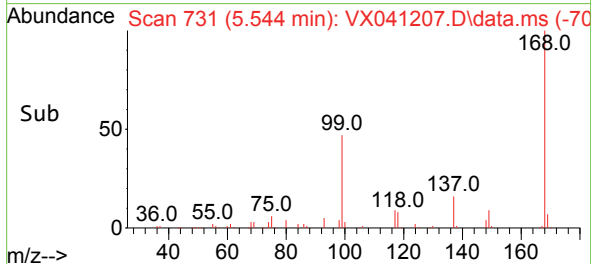
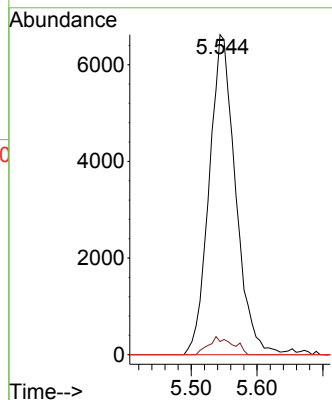


#38  
Carbon Tetrachloride  
Concen: 6.586 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Instrument :  
MSVOA\_X  
ClientSampleId :

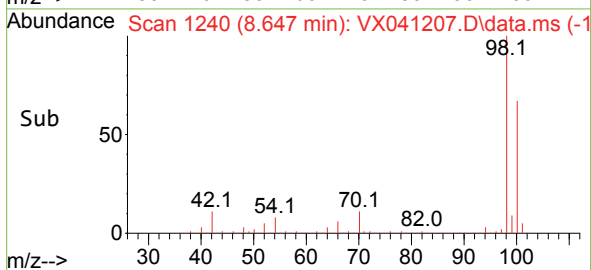
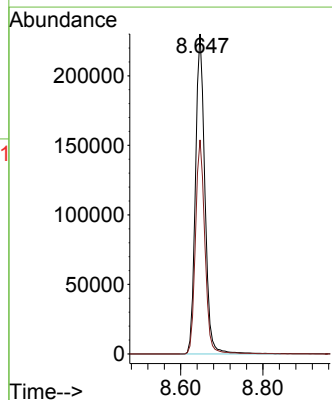
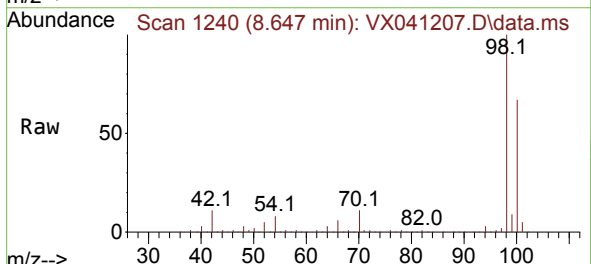


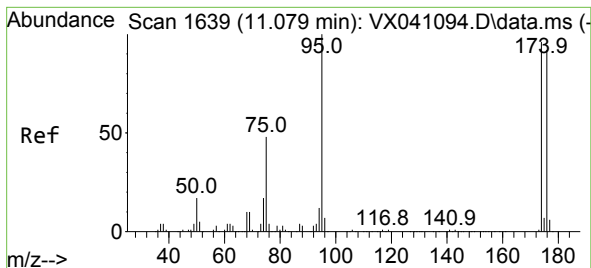
Tgt Ion:117 Resp: 18458  
Ion Ratio Lower Upper  
117 100  
119 4.1 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 55.368 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

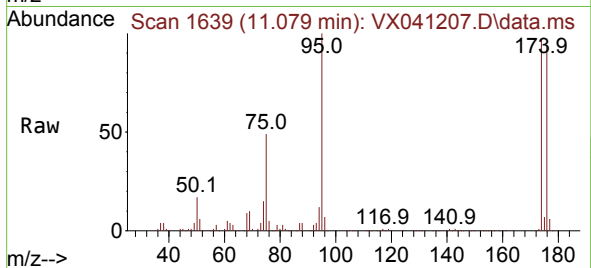
Tgt Ion: 98 Resp: 366341  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.1 79.7



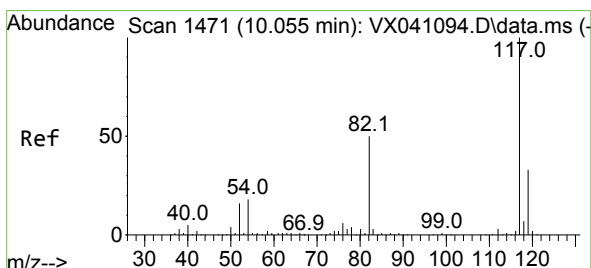
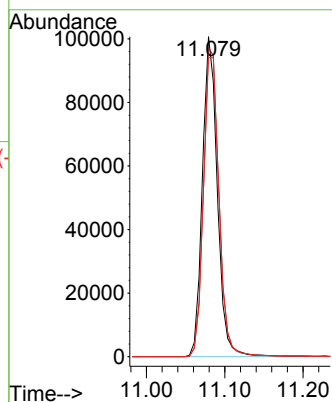
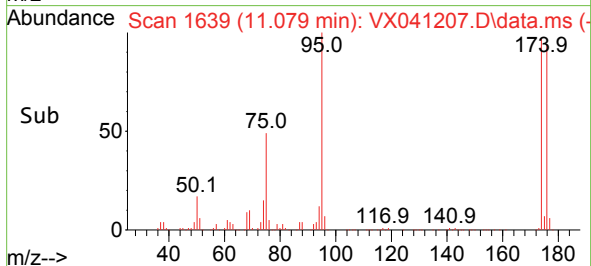


#62  
4-Bromofluorobenzene  
Concen: 54.462 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

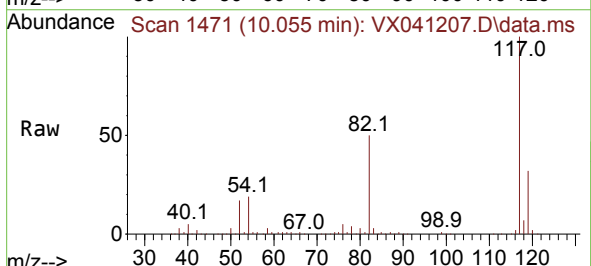
Instrument :  
MSVOA\_X  
ClientSampleId :



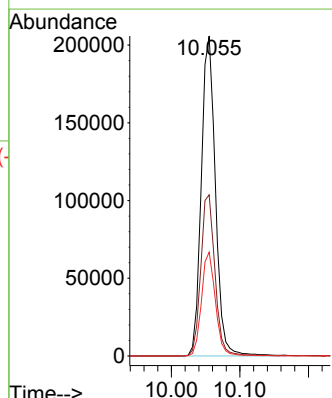
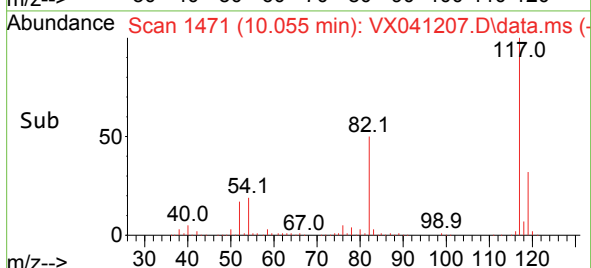
Tgt Ion: 95 Resp: 133004  
Ion Ratio Lower Upper  
95 100  
174 99.9 0.0 135.6  
176 98.5 0.0 131.0

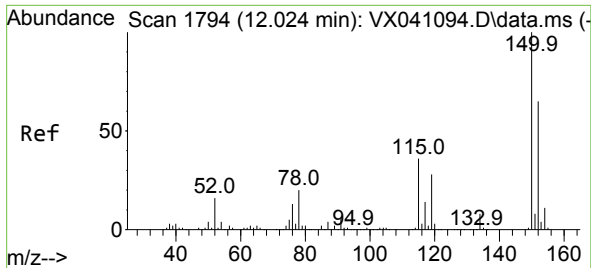


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20



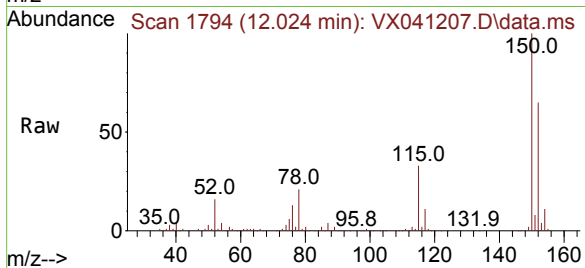
Tgt Ion: 117 Resp: 296352  
Ion Ratio Lower Upper  
117 100  
82 50.4 46.2 69.4  
119 32.5 25.5 38.3



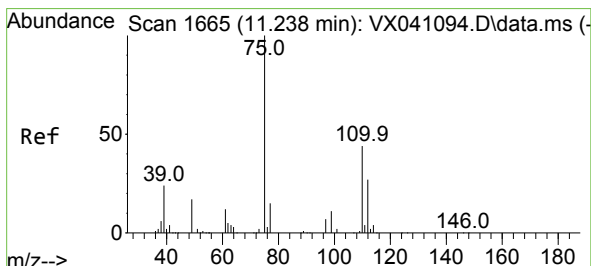
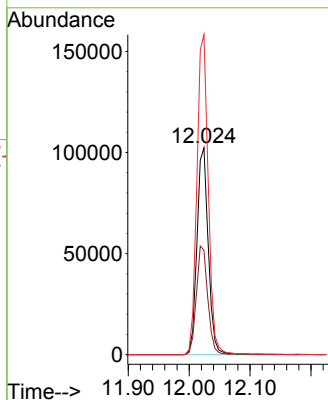
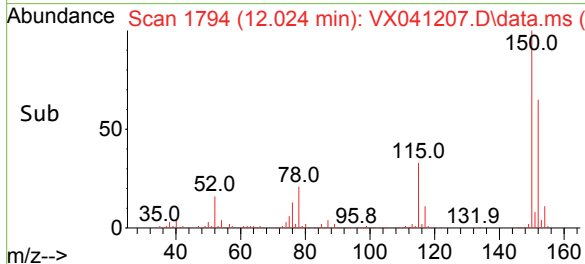


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

Instrument :  
MSVOA\_X  
ClientSampleId :

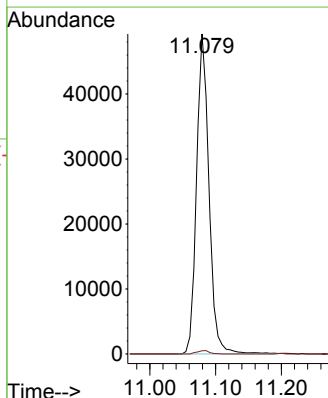
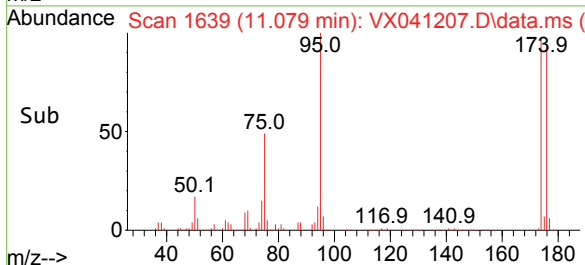
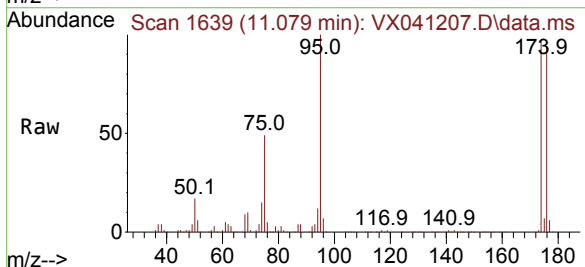


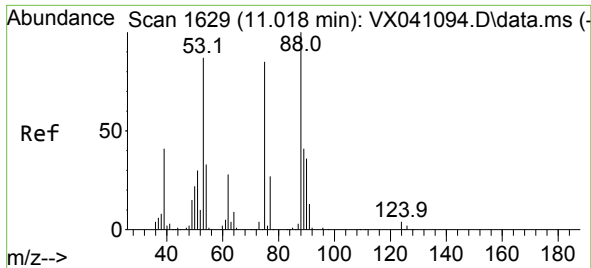
Tgt Ion:152 Resp: 131670  
Ion Ratio Lower Upper  
152 100  
115 53.2 43.3 129.9  
150 156.2 0.0 345.0



#76  
1,2,3-Trichloropropane  
Concen: 30.380 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX041207.D  
Acq: 23 Apr 2024 11:20

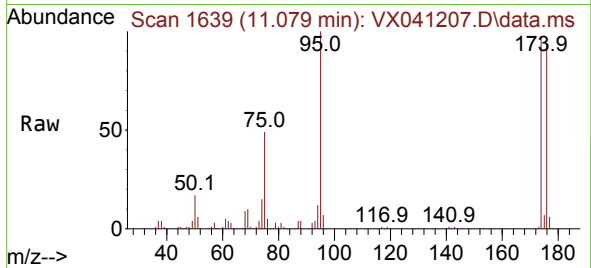
Tgt Ion: 75 Resp: 64450  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 85.712 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX041207.D  
 Acq: 23 Apr 2024 11:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 64450  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

