

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050224\  
 Data File : VX041354.D  
 Acq On : 02 May 2024 15:23  
 Operator : JC/MD  
 Sample : P2352-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 03 01:39:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 01 02:38:17 2024  
 Response via : Initial Calibration

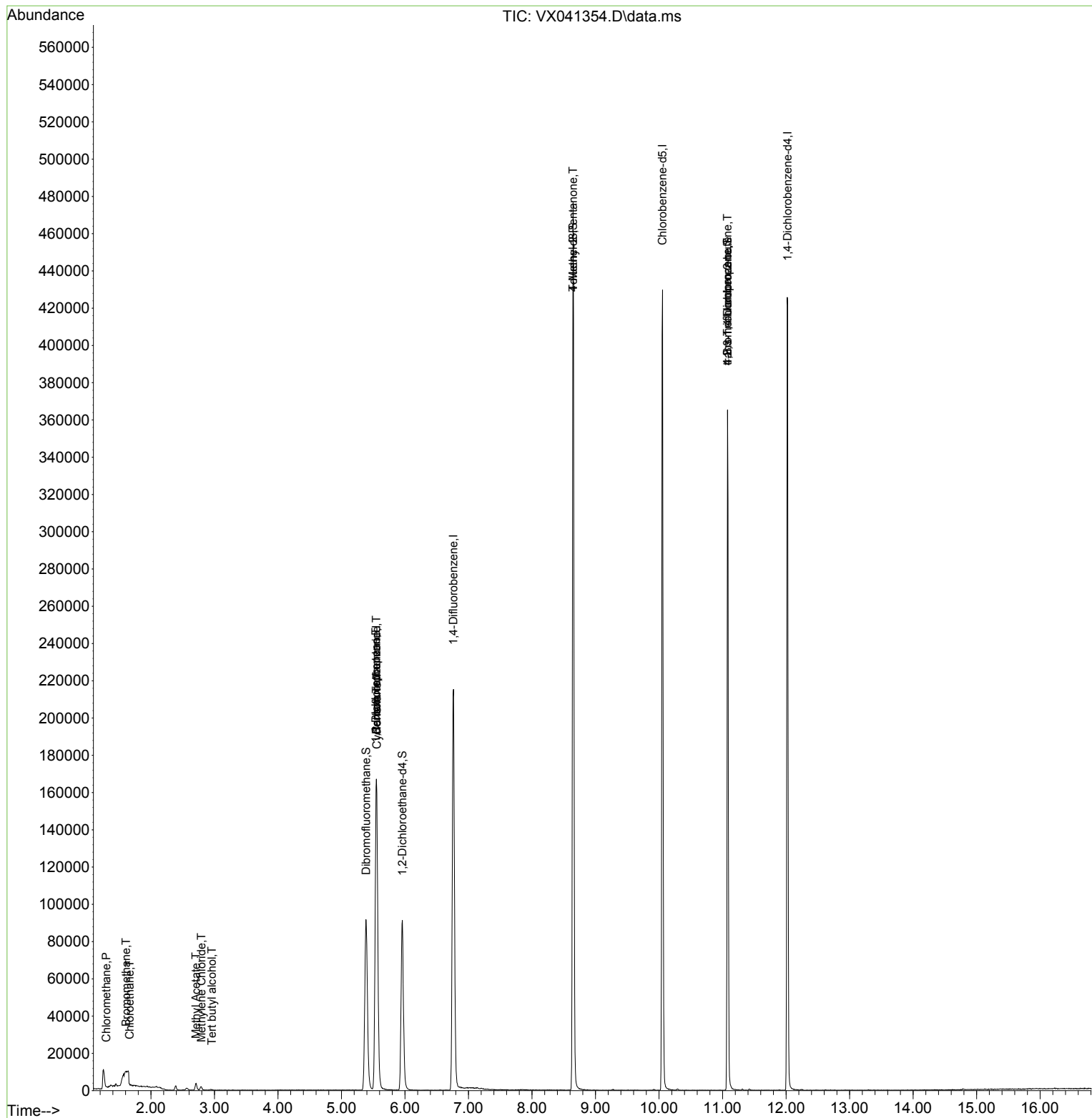
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|-----------|--------|-----------|
| -----                         |        |       |          |           |        |           |
| Internal Standards            |        |       |          |           |        |           |
| 1) Pentafluorobenzene         | 5.550  | 168   | 181509   | 50.000    | ug/l   | # 0.00    |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 231321   | 50.000    | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 203012   | 50.000    | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 100123   | 50.000    | ug/l   | 0.00      |
| System Monitoring Compounds   |        |       |          |           |        |           |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 89703    | 45.397    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 90.800%   |
| 35) Dibromofluoromethane      | 5.385  | 113   | 79907    | 50.974    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 101.940%  |
| 50) Toluene-d8                | 8.647  | 98    | 281246   | 56.685    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 113.360%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 86964    | 45.278    | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.560%   |
| Target Compounds              |        |       |          |           |        |           |
|                               |        |       |          |           | Qvalue |           |
| 3) Chloromethane              | 1.294  | 50    | 418      | 0.271     | ug/l   | # 43      |
| 5) Bromomethane               | 1.605  | 94    | 279      | 0.303     | ug/l   | 86        |
| 6) Chloroethane               | 1.666  | 64    | 507      | 0.742     | ug/l   | # 43      |
| 11) Tert butyl alcohol        | 2.959  | 59    | 321      | 0.812     | ug/l   | # 78      |
| 16) Acetone                   | 2.386  | 43    | 2750     | Below Cal |        | 91        |
| 18) Methyl Acetate            | 2.709  | 43    | 4698     | 2.324     | ug/l   | 100       |
| 20) Methylene Chloride        | 2.794  | 84    | 1114     | 0.649     | ug/l   | # 81      |
| 31) Cyclohexane               | 5.556  | 56    | 2993     | 1.255     | ug/l   | # 8       |
| 36) 1,1-Dichloropropene       | 5.543  | 75    | 11228    | 5.990     | ug/l   | # 51      |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15915    | 7.411     | ug/l   | # 14      |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1326     | 0.628     | ug/l   | # 1       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 45211    | 27.708    | ug/l   | # 38      |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 45211    | 75.473    | ug/l   | # 5       |
| -----                         |        |       |          |           |        |           |

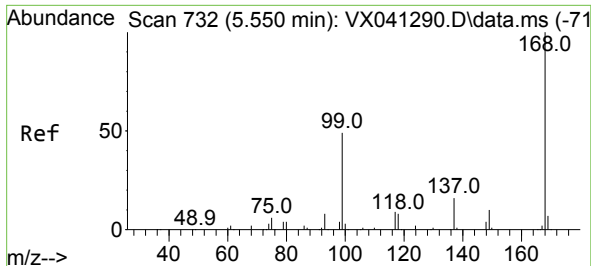
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050224\  
Data File : VX041354.D  
Acq On : 02 May 2024 15:23  
Operator : JC/MD  
Sample : P2352-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

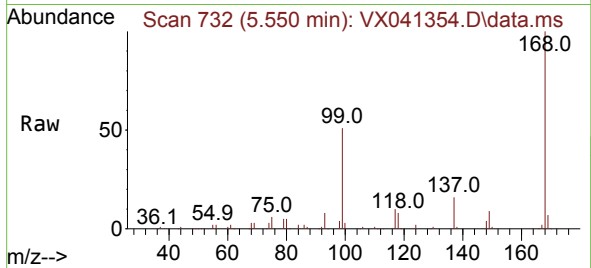
Quant Time: May 03 01:39:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 01 02:38:17 2024  
Response via : Initial Calibration



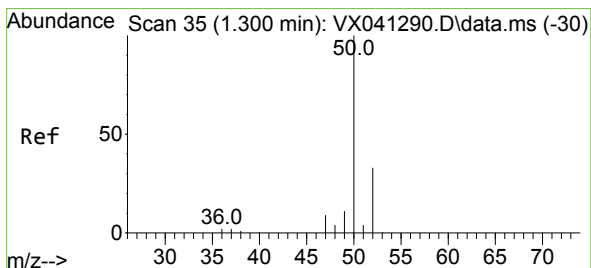
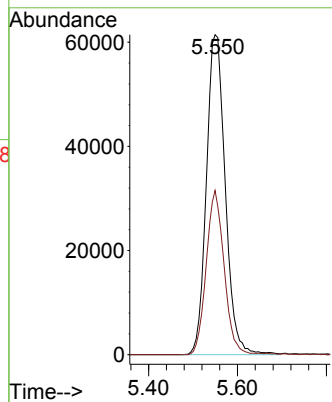
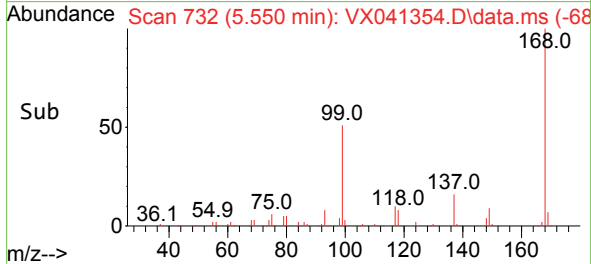


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Instrument :  
MSVOA\_X  
ClientSampleId :

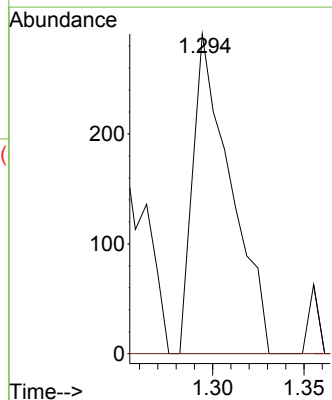
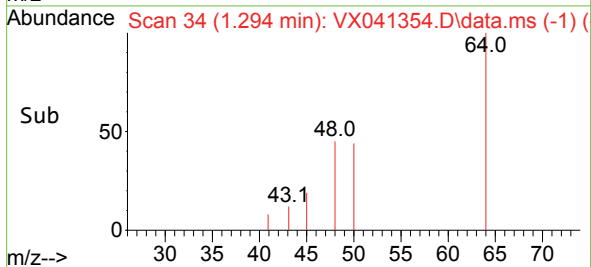
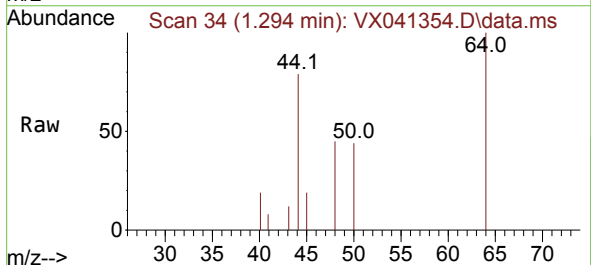


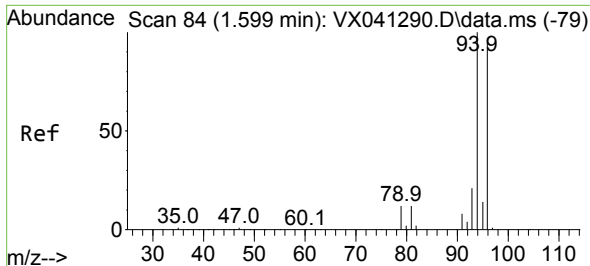
Tgt Ion:168 Resp: 181509  
Ion Ratio Lower Upper  
168 100  
99 51.3 56.6 85.0#



#3  
Chloromethane  
Concen: 0.271 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 50 Resp: 418  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.5 38.3#

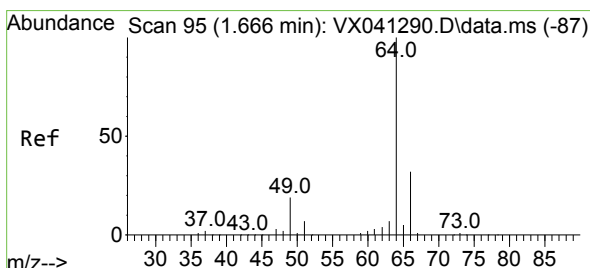
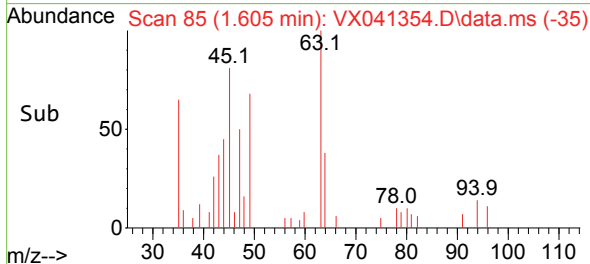
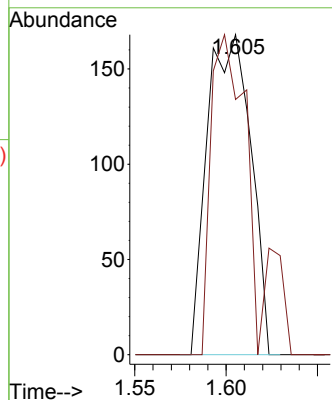
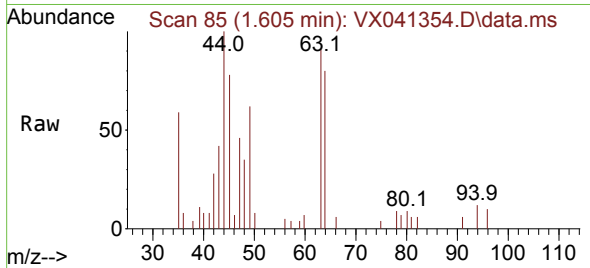




#5  
Bromomethane  
Concen: 0.303 ug/l  
RT: 1.605 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

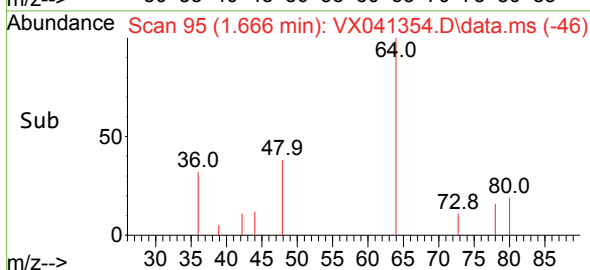
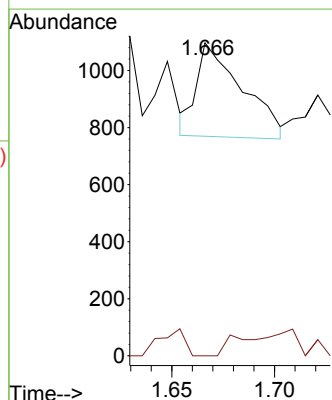
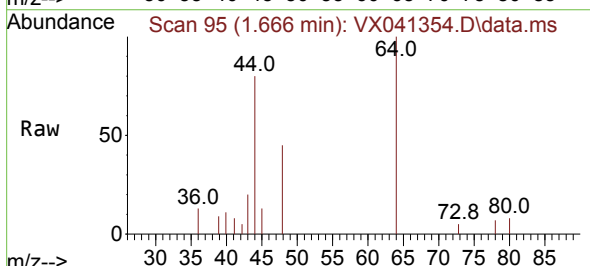
Instrument :  
MSVOA\_X  
ClientSampleId :

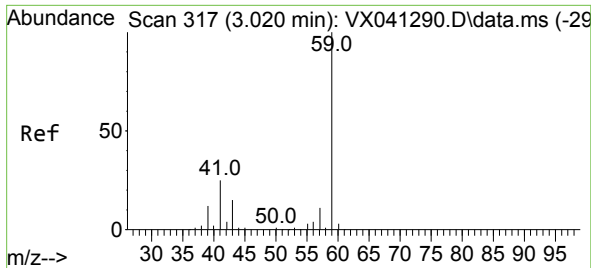
Tgt Ion: 94 Resp: 279  
Ion Ratio Lower Upper  
94 100  
96 79.8 74.6 111.8



#6  
Chloroethane  
Concen: 0.742 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 64 Resp: 507  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#

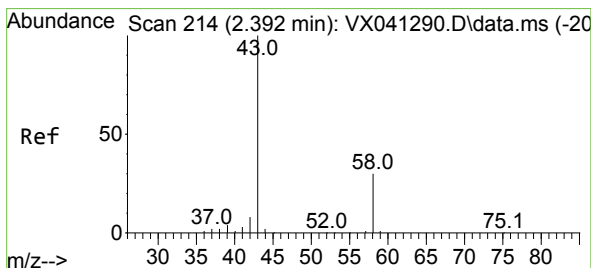
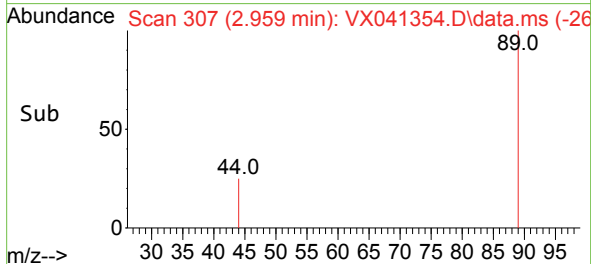
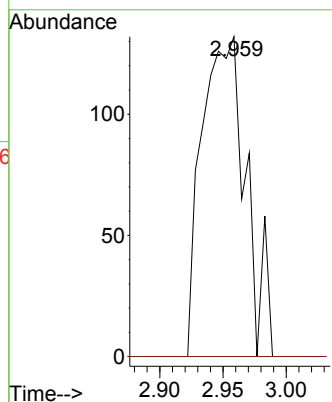
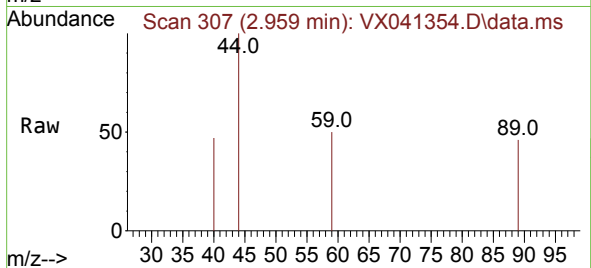




#11  
Tert butyl alcohol  
Concen: 0.812 ug/l  
RT: 2.959 min Scan# 30  
Delta R.T. -0.061 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

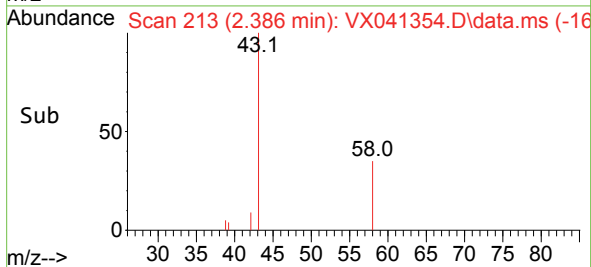
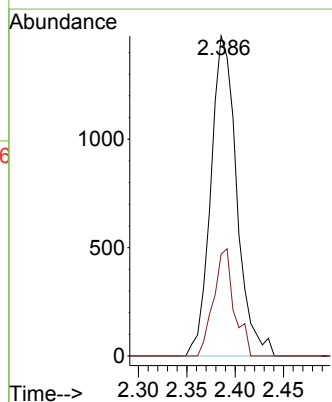
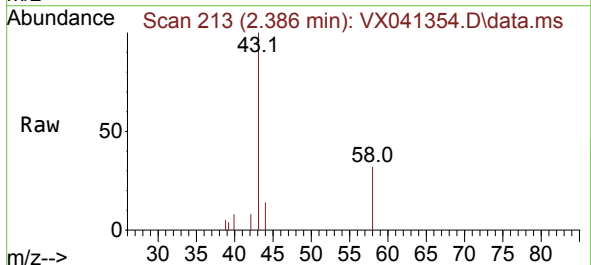
Instrument :  
MSVOA\_X  
ClientSampleId :

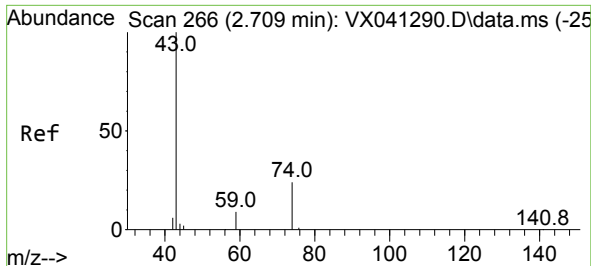
Tgt Ion: 59 Resp: 321  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



#16  
Acetone  
Concen: Below Cal  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 43 Resp: 2750  
Ion Ratio Lower Upper  
43 100  
58 31.8 21.9 32.9

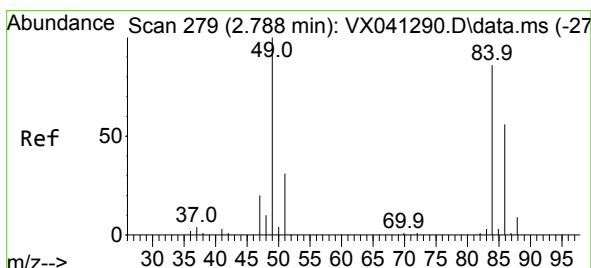
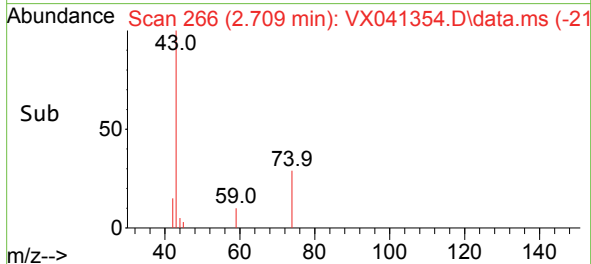
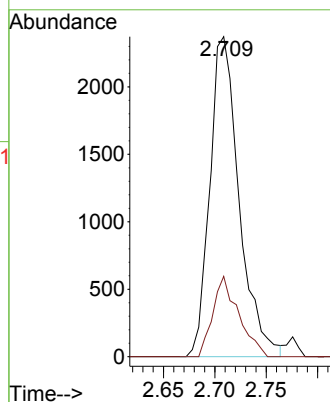
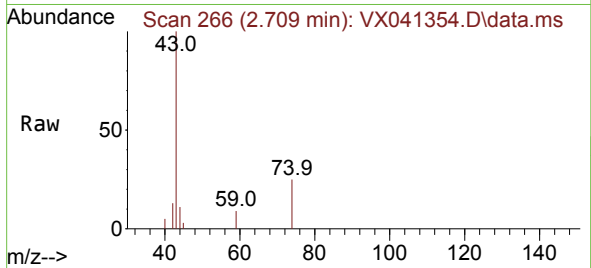




#18  
Methyl Acetate  
Concen: 2.324 ug/l  
RT: 2.709 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

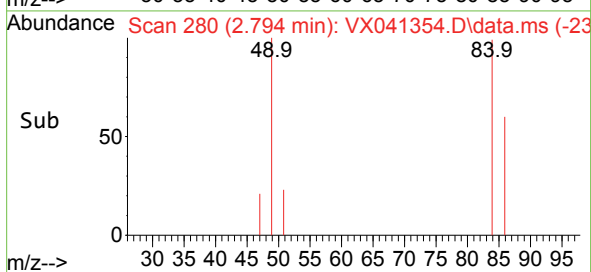
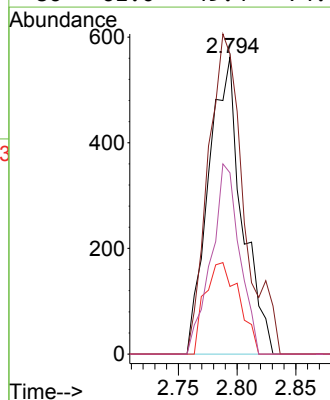
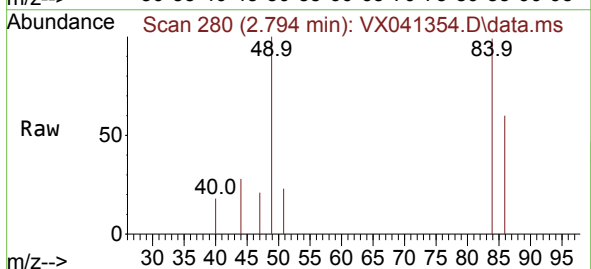
Instrument :  
MSVOA\_X  
ClientSampleId :

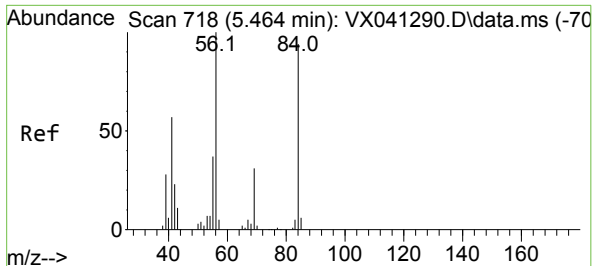
Tgt Ion: 43 Resp: 4698  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.8 26.8



#20  
Methylene Chloride  
Concen: 0.649 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

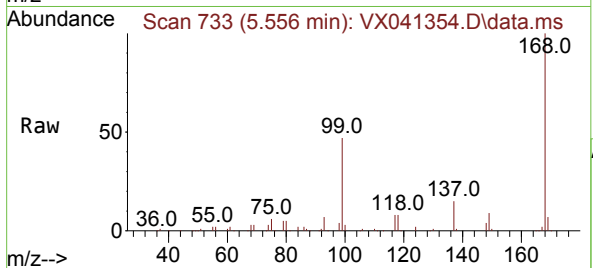
Tgt Ion: 84 Resp: 1114  
Ion Ratio Lower Upper  
84 100  
49 101.1 103.6 155.4#  
51 22.8 33.8 50.6#  
86 61.0 49.4 74.0



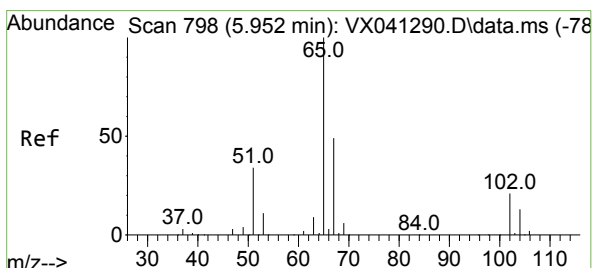
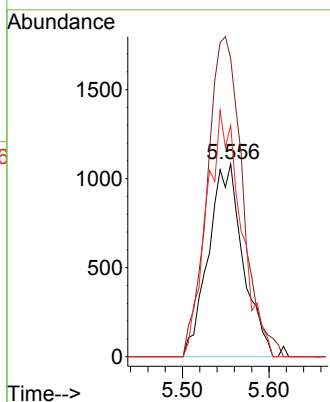
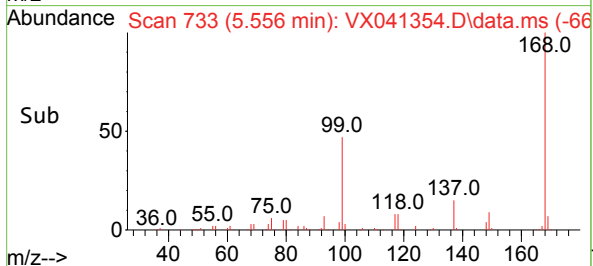


#31  
Cyclohexane  
Concen: 1.255 ug/l  
RT: 5.556 min Scan# 718  
Delta R.T. 0.091 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Instrument :  
MSVOA\_X  
ClientSampleId :

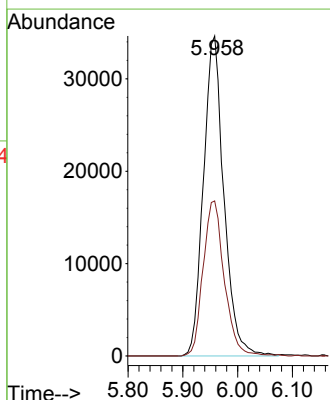
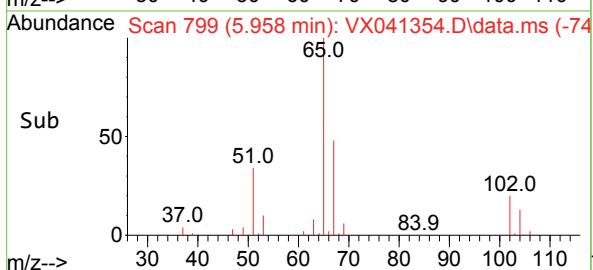
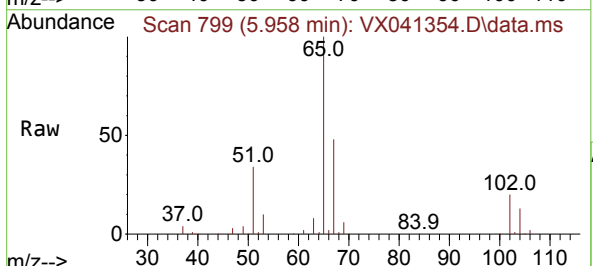


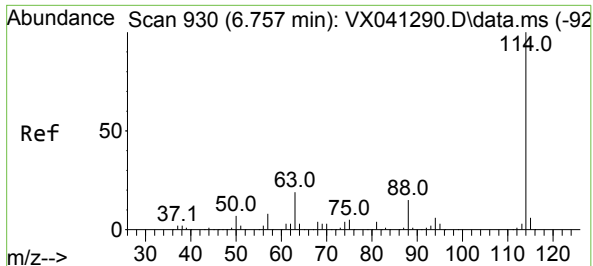
Tgt Ion: 56 Resp: 2993  
Ion Ratio Lower Upper  
56 100  
69 154.6 23.4 35.2#  
84 120.0 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 45.397 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 65 Resp: 89703  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 100.2

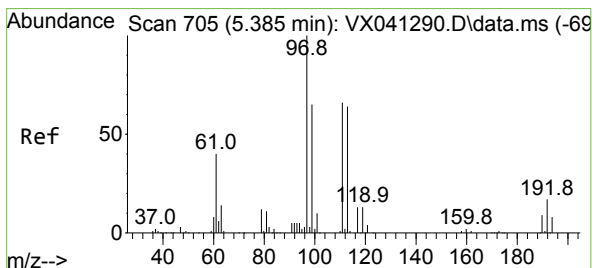
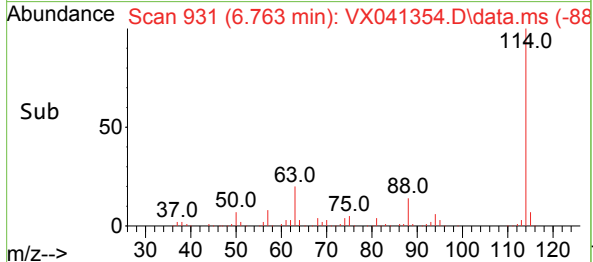
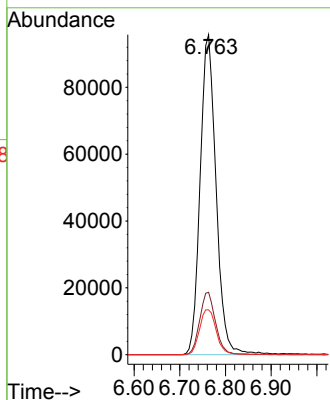
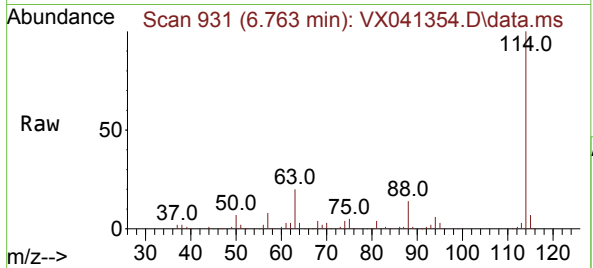




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

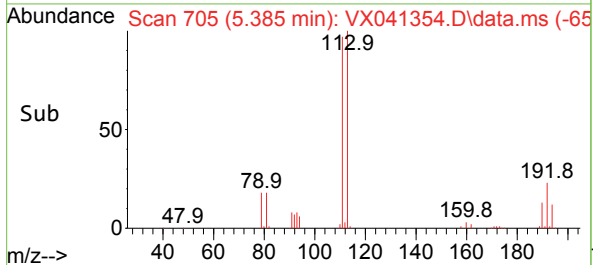
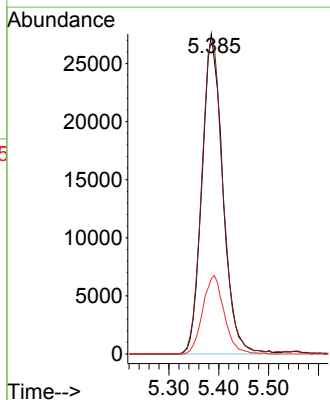
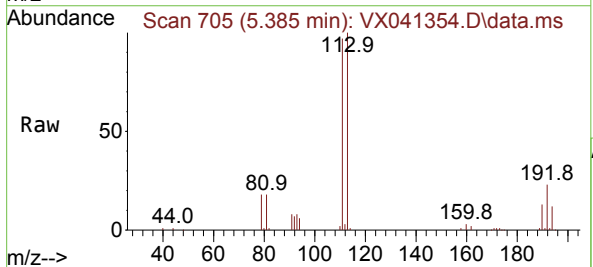
Instrument :  
MSVOA\_X  
ClientSampleId :

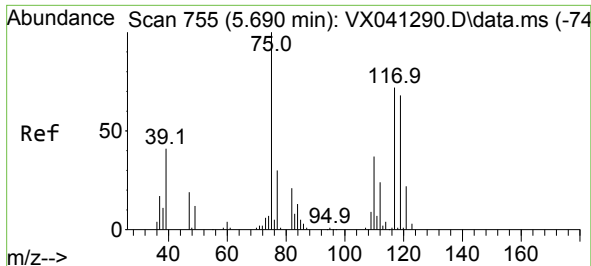
Tgt Ion:114 Resp: 231321  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 45.0  
88 14.0 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 50.974 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion:113 Resp: 79907  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.9 124.3  
192 25.3 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 5.990 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.146 min

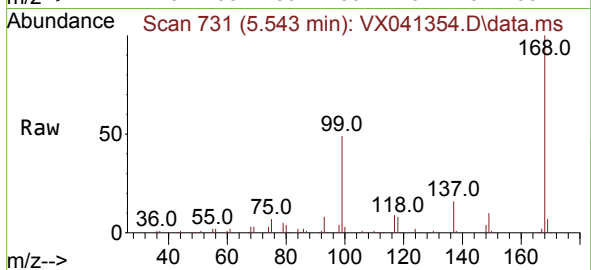
Lab File: VX041354.D

Acq: 02 May 2024 15:23

Instrument :

MSVOA\_X

ClientSampleId :



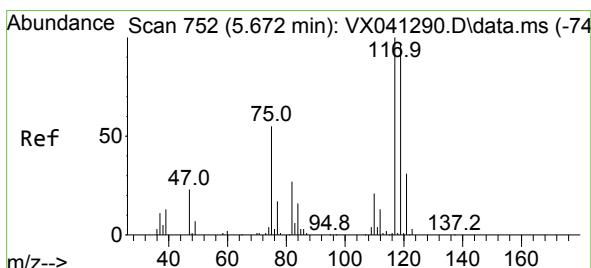
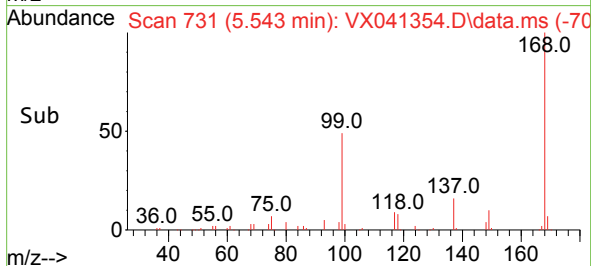
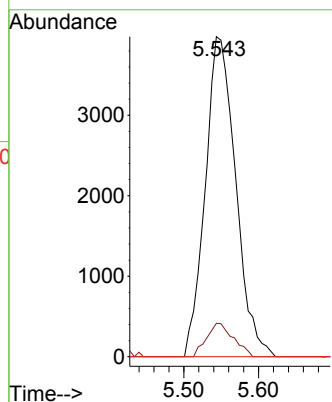
Tgt Ion: 75 Resp: 11228

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 7.411 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX041354.D

Acq: 02 May 2024 15:23

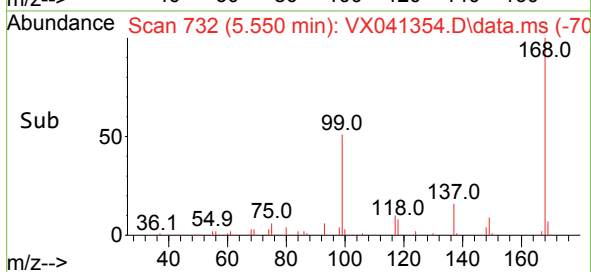
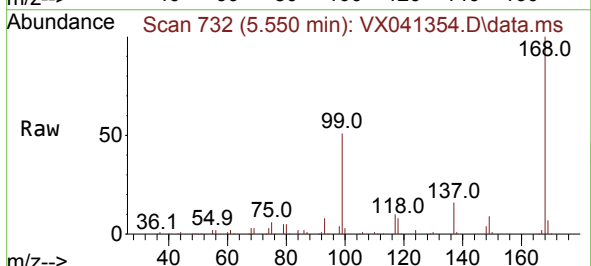
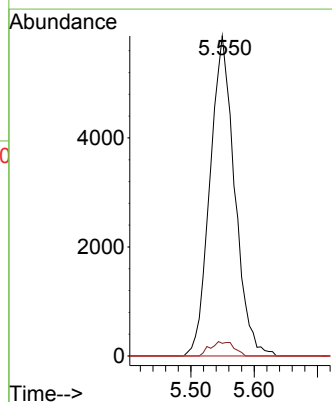
Tgt Ion: 117 Resp: 15915

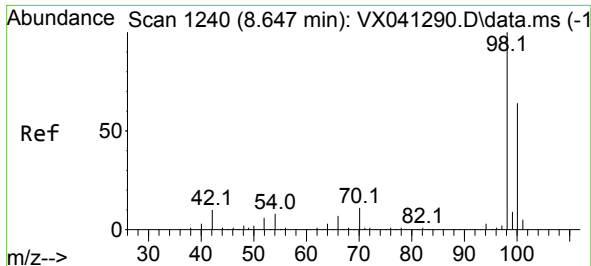
Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

121 0.0 24.4 36.6#

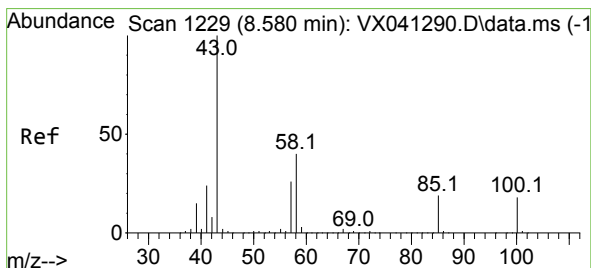
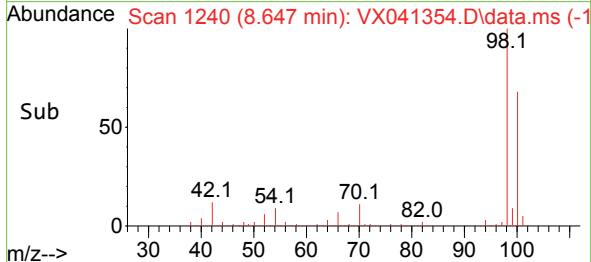
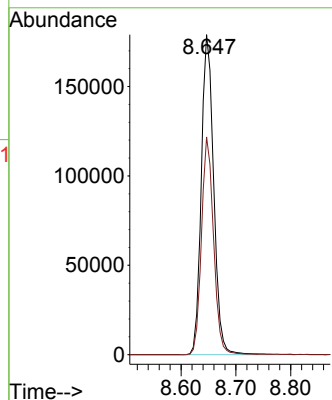
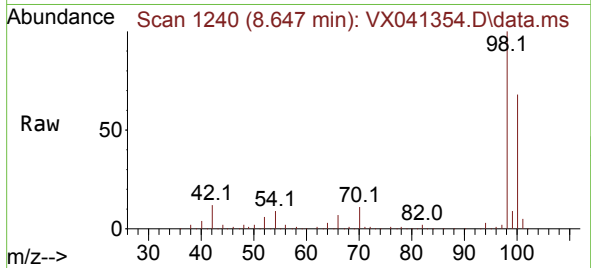




#50  
Toluene-d8  
Concen: 56.685 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

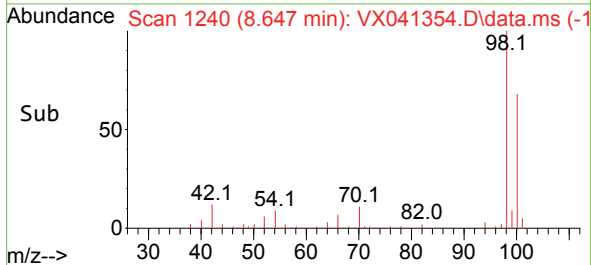
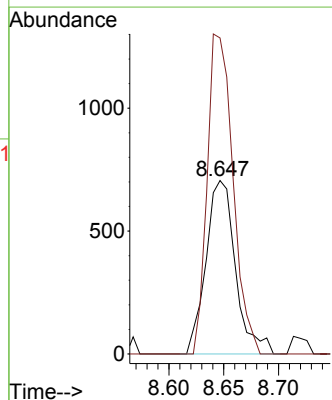
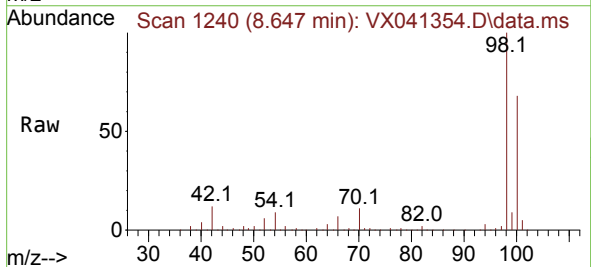
Instrument :  
MSVOA\_X  
ClientSampleId :

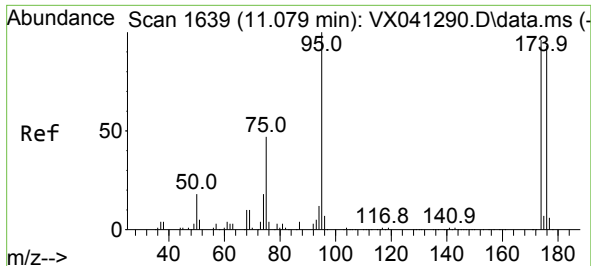
Tgt Ion: 98 Resp: 281246  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.628 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.067 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 43 Resp: 1326  
Ion Ratio Lower Upper  
43 100  
58 160.5 30.4 45.6#

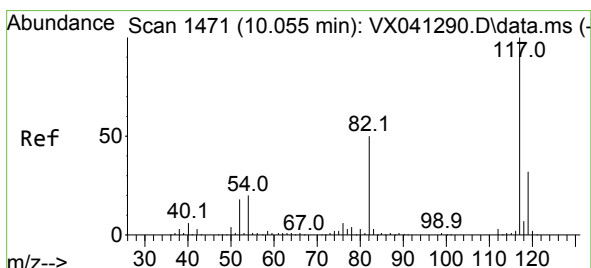
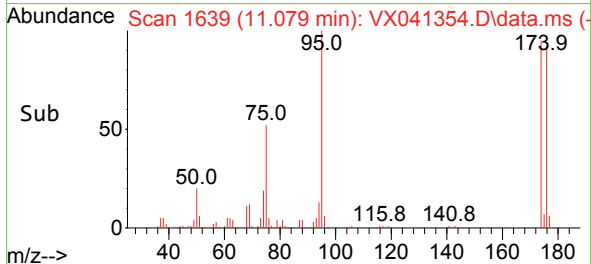
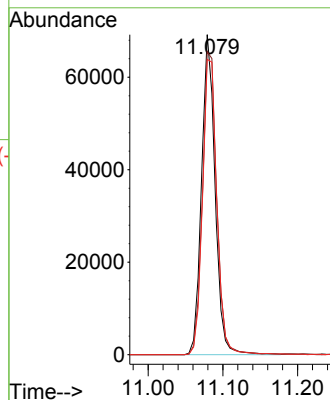
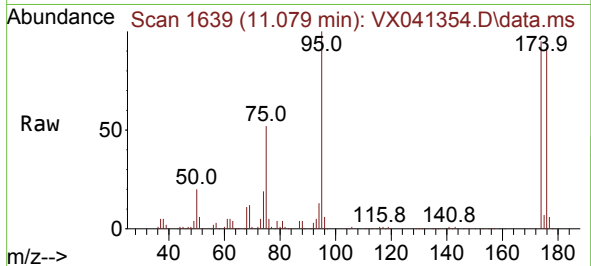




#62  
4-Bromofluorobenzene  
Concen: 45.278 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

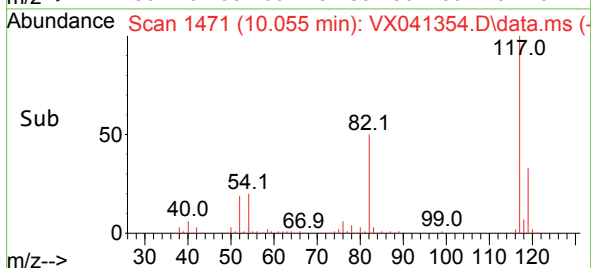
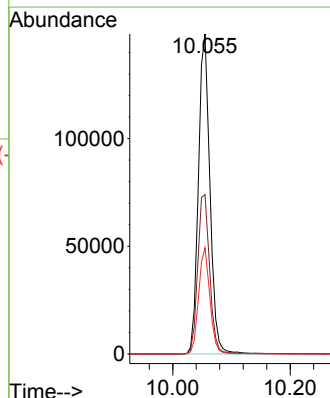
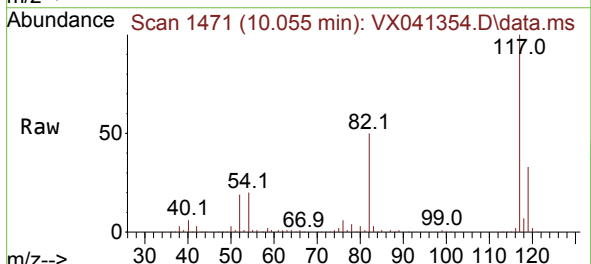
Instrument :  
MSVOA\_X  
ClientSampleId :

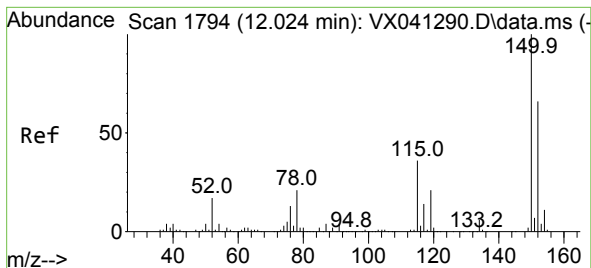
Tgt Ion: 95 Resp: 86964  
Ion Ratio Lower Upper  
95 100  
174 100.3 0.0 135.6  
176 98.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX041354.D  
Acq: 02 May 2024 15:23

Tgt Ion: 117 Resp: 203012  
Ion Ratio Lower Upper  
117 100  
82 49.8 46.2 69.4  
119 33.2 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041354.D

Acq: 02 May 2024 15:23

Instrument :

MSVOA\_X

ClientSampleId :

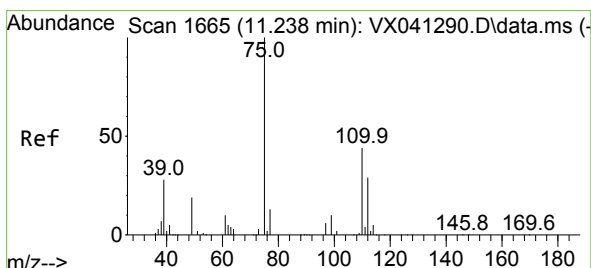
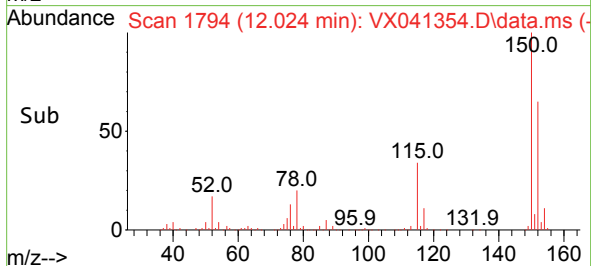
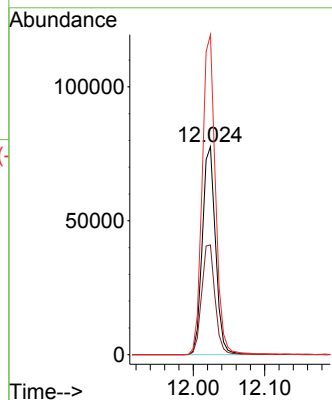
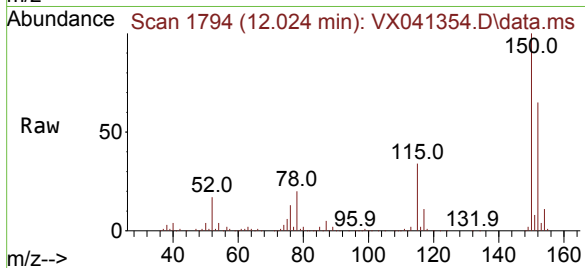
Tgt Ion:152 Resp: 100123

Ion Ratio Lower Upper

152 100

115 53.3 43.3 129.9

150 153.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 27.708 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041354.D

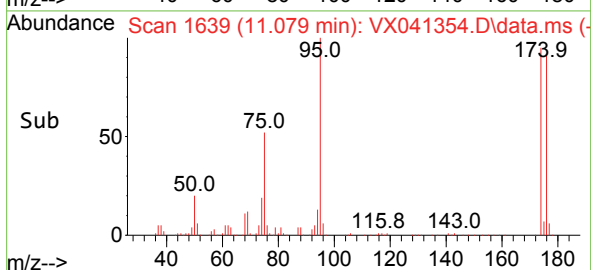
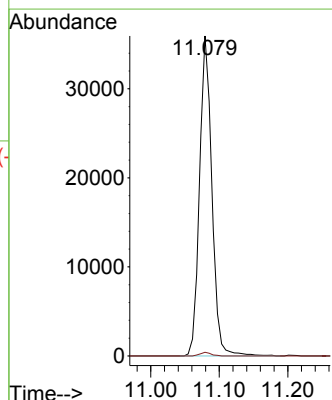
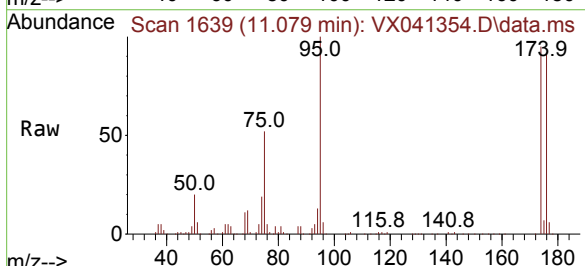
Acq: 02 May 2024 15:23

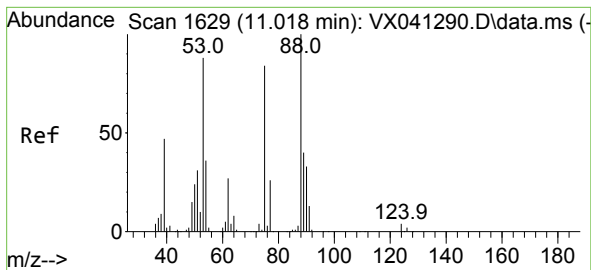
Tgt Ion: 75 Resp: 45211

Ion Ratio Lower Upper

75 100

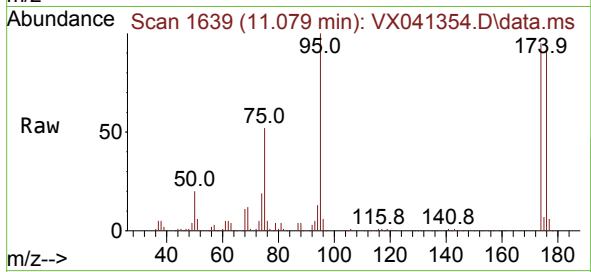
77 1.0 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 75.473 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX041354.D  
 Acq: 02 May 2024 15:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 45211  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.1 36.9 55.3#

