

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091923\  
 Data File : VX037802.D  
 Acq On : 19 Sep 2023 13:43  
 Operator : JC/MD  
 Sample : 04453-12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 20 01:02:01 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

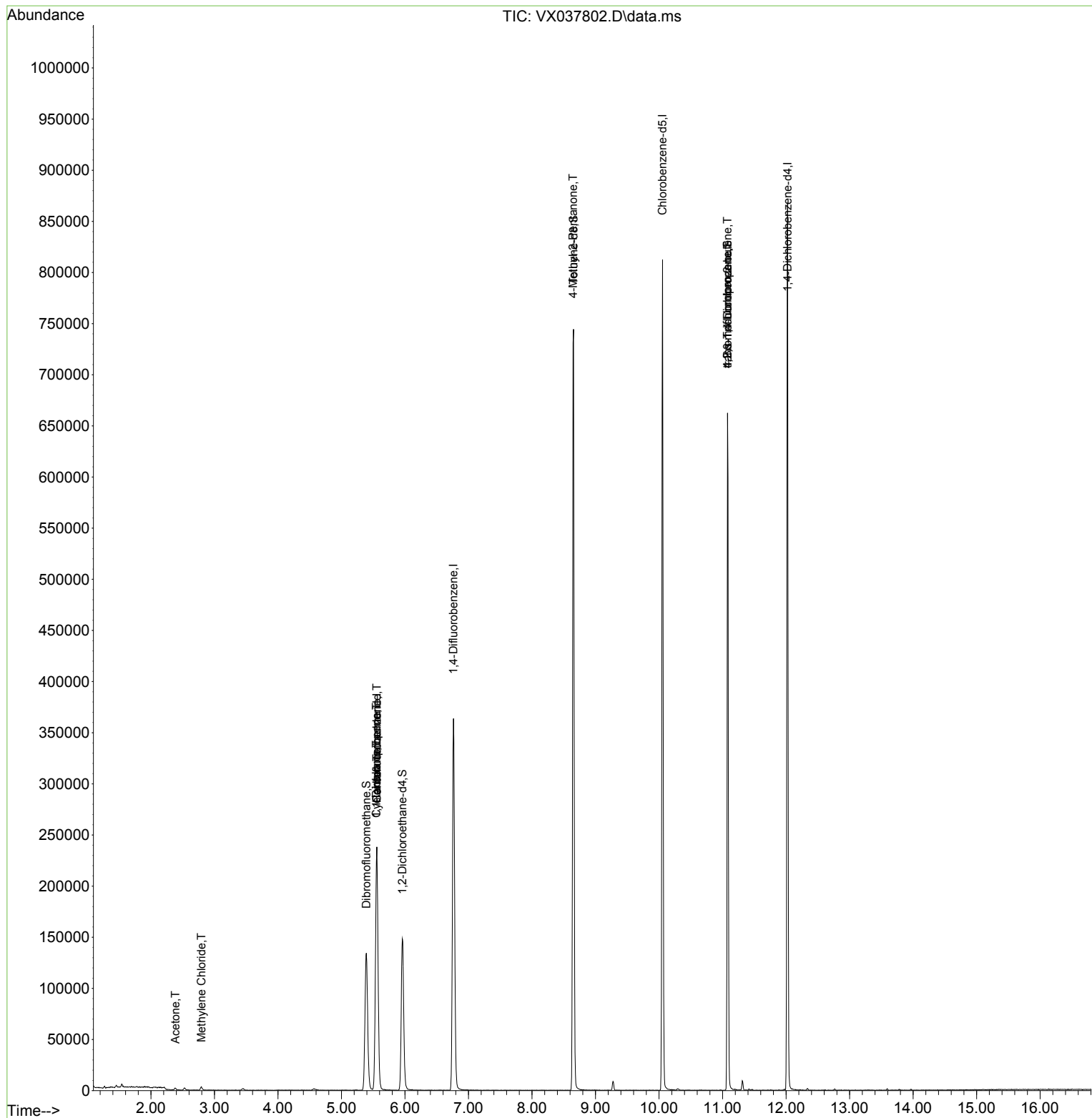
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 225906   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 381648   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 366131   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 184155   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 139860   | 47.122   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.240%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 119233   | 46.692   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 93.380%  |
| 50) Toluene-d8                | 8.653  | 98    | 462783   | 48.774   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.540%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 172542   | 50.043   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 100.080% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.386  | 43    | 2203     | 1.543    | ug/l   | 98       |
| 20) Methylene Chloride        | 2.794  | 84    | 1682     | 0.612    | ug/l   | # 85     |
| 31) Cyclohexane               | 5.550  | 56    | 4727     | 1.241    | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 17340    | 4.929    | ug/l   | # 52     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 22763    | 6.184    | ug/l   | # 15     |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 2004     | 0.511    | ug/l   | # 1      |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 88874    | 20.866   | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 88874    | 66.841   | ug/l   | # 5      |
| -----                         |        |       |          |          |        |          |

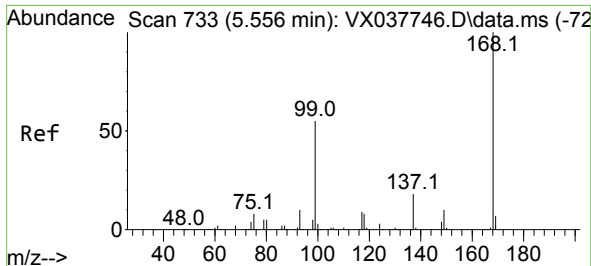
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

Quant Time: Sep 20 01:02:01 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration

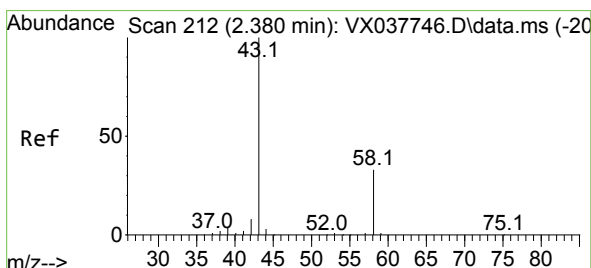
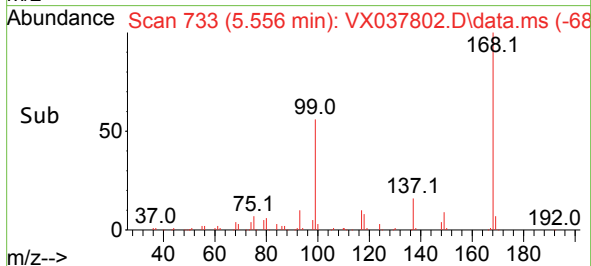
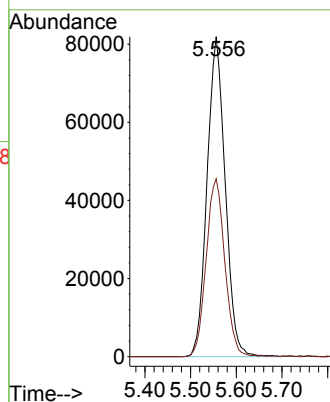
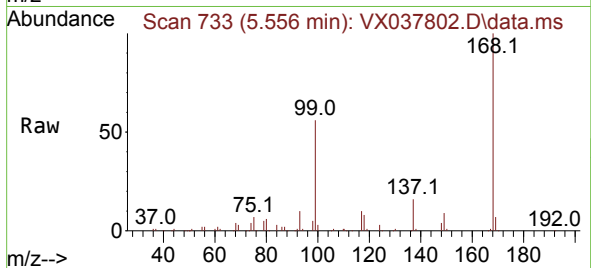




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

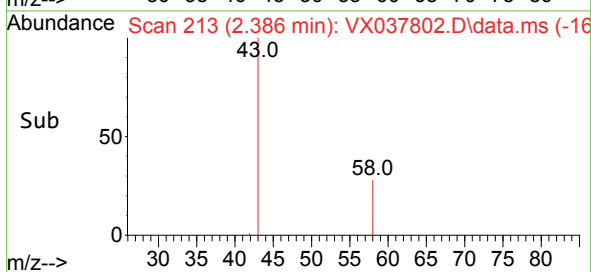
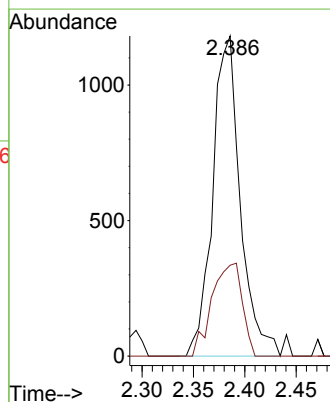
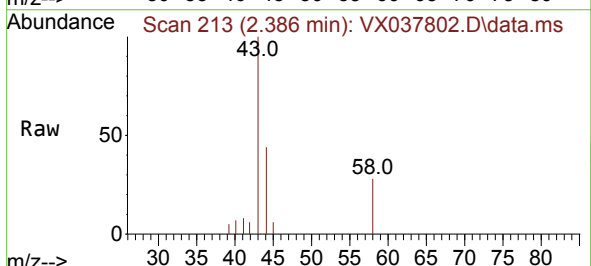
Instrument :  
MSVOA\_X  
ClientSampleId :

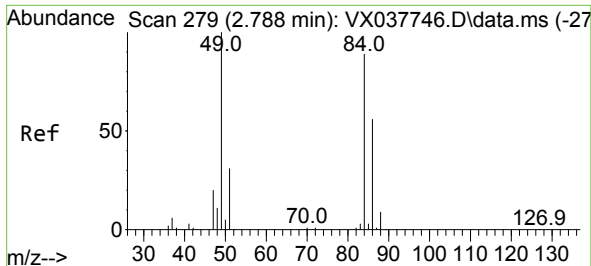
Tgt Ion:168 Resp: 225906  
Ion Ratio Lower Upper  
168 100  
99 55.6 56.6 85.0#



#16  
Acetone  
Concen: 1.543 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

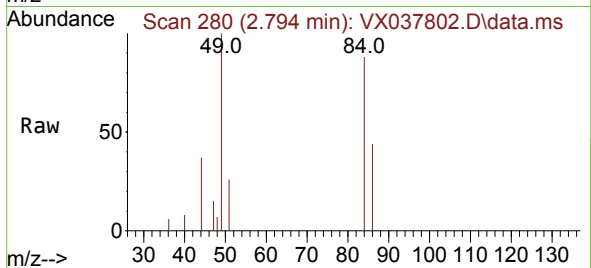
Tgt Ion: 43 Resp: 2203  
Ion Ratio Lower Upper  
43 100  
58 28.4 21.9 32.9



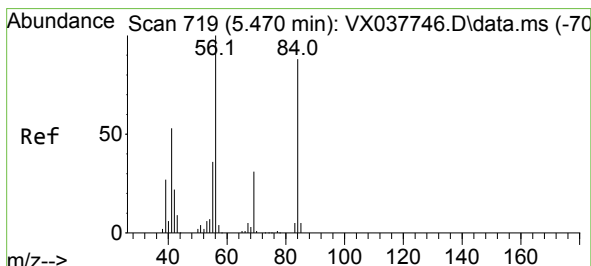
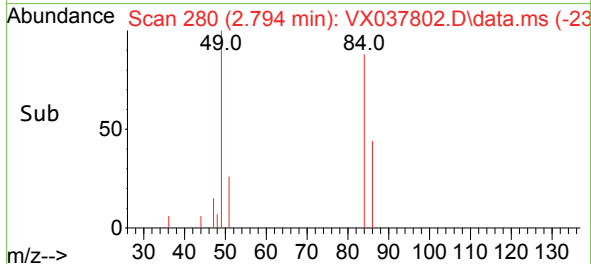
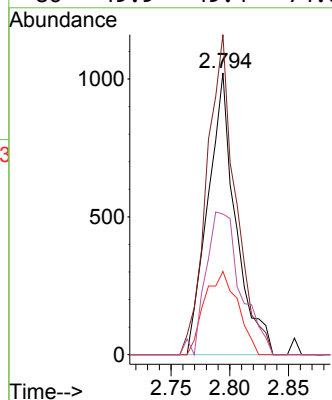


#20  
Methylene Chloride  
Concen: 0.612 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

Instrument :  
MSVOA\_X  
ClientSampleId :

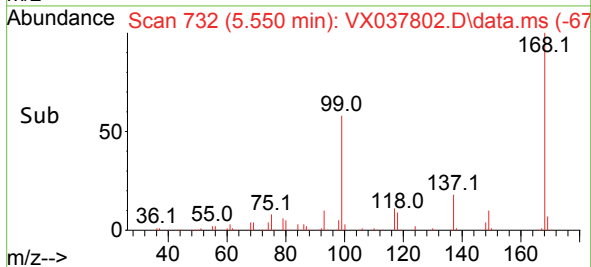
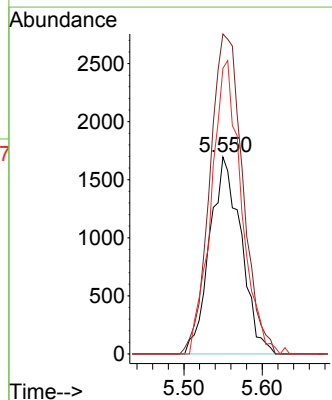
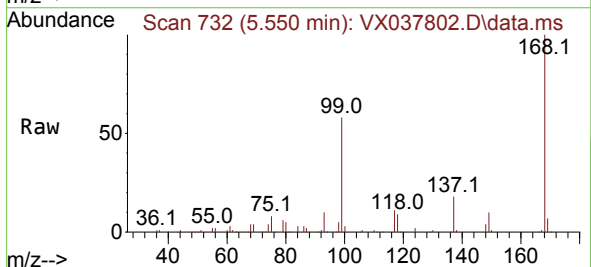


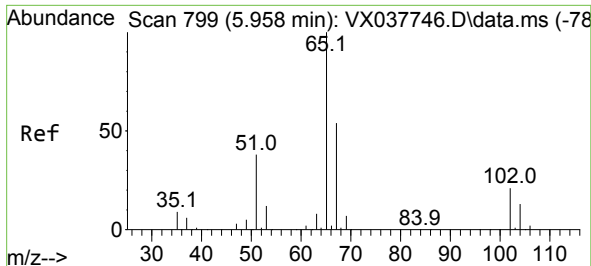
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 1682  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.6 | 103.6 | 155.4 |
| 51       | 29.5  | 33.8  | 50.6# |
| 86       | 49.9  | 49.4  | 74.0  |



#31  
Cyclohexane  
Concen: 1.241 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4727  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 162.4 | 23.4  | 35.2# |
| 84       | 145.0 | 65.9  | 98.9# |

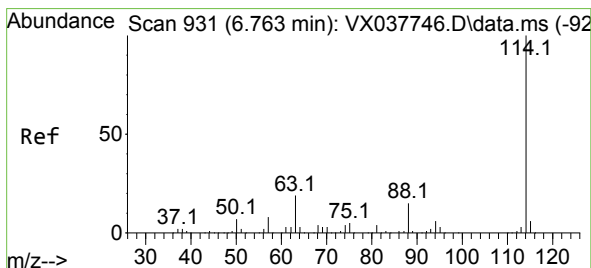
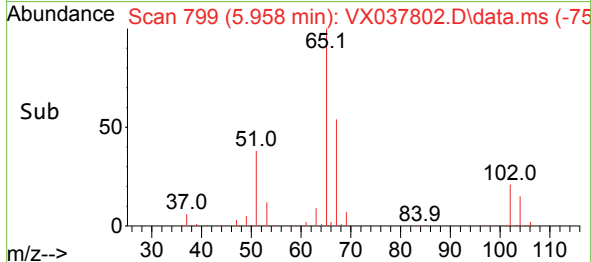
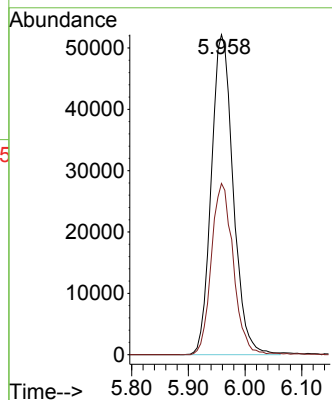
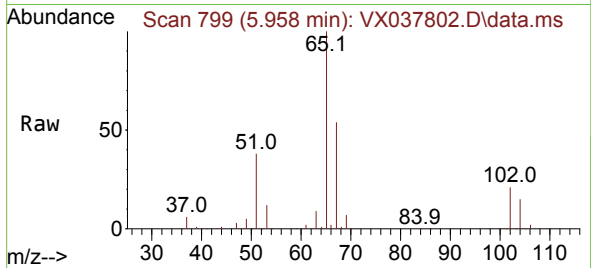




#33  
1,2-Dichloroethane-d4  
Concen: 47.122 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

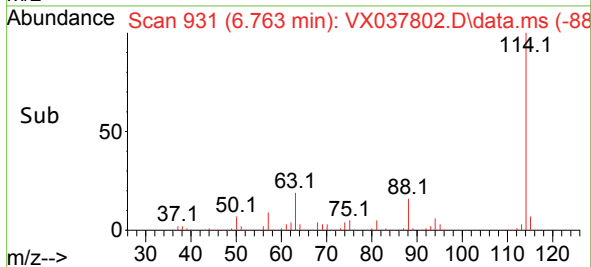
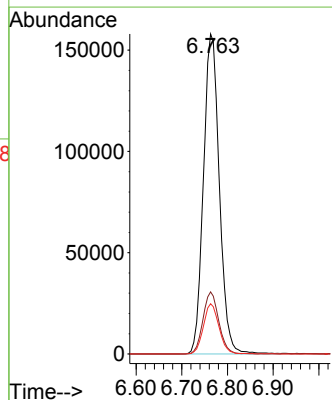
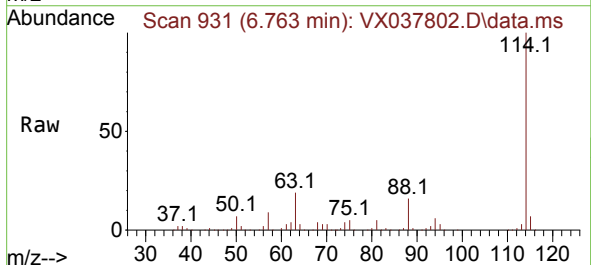
Instrument :  
MSVOA\_X  
ClientSampleId :

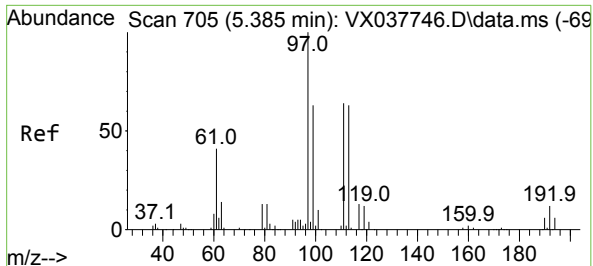
Tgt Ion: 65 Resp: 139860  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

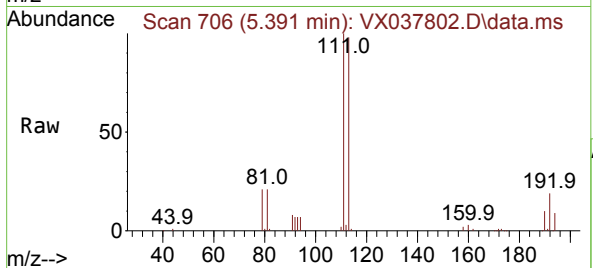
Tgt Ion:114 Resp: 381648  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 45.0  
88 15.7 0.0 36.6



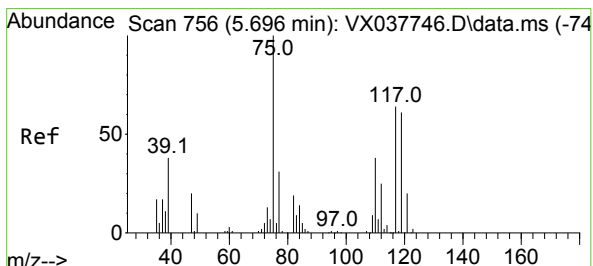
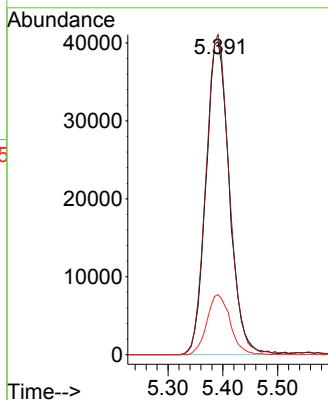
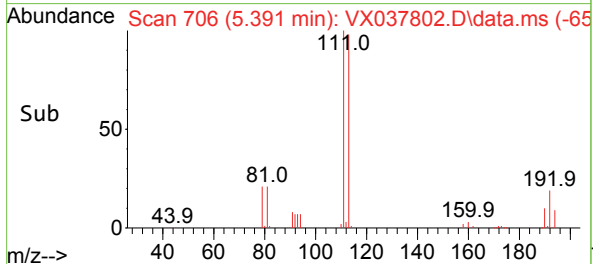


#35  
Dibromofluoromethane  
Concen: 46.692 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

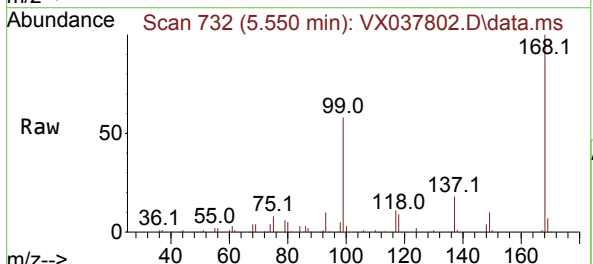
Instrument :  
MSVOA\_X  
ClientSampleId :



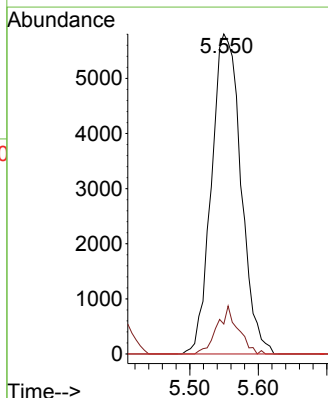
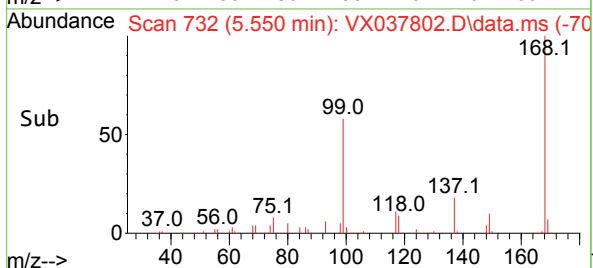
Tgt Ion:113 Resp: 119233  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.9 124.3  
192 19.0 13.3 19.9

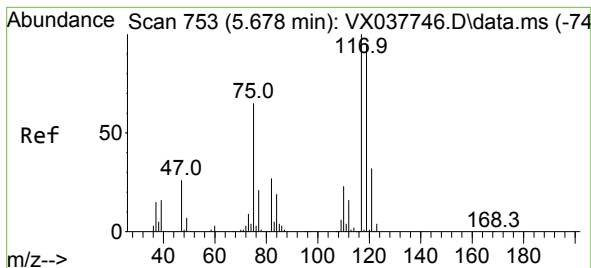


#36  
1,1-Dichloropropene  
Concen: 4.929 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43



Tgt Ion: 75 Resp: 17340  
Ion Ratio Lower Upper  
75 100  
110 10.7 17.0 50.9#  
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.184 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

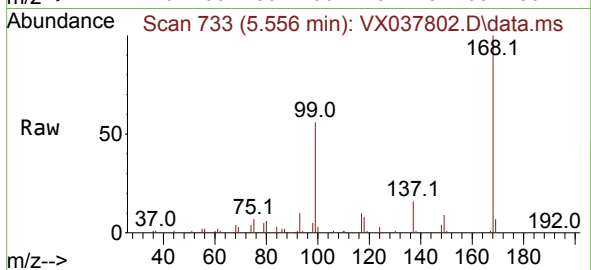
Lab File: VX037802.D

Acq: 19 Sep 2023 13:43

Instrument :

MSVOA\_X

ClientSampleId :



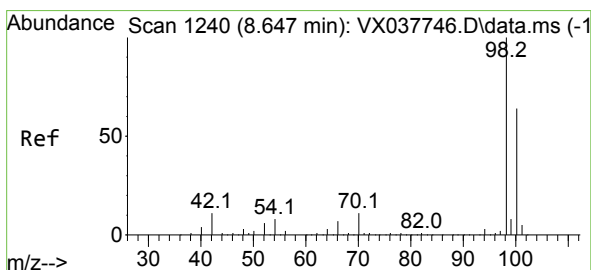
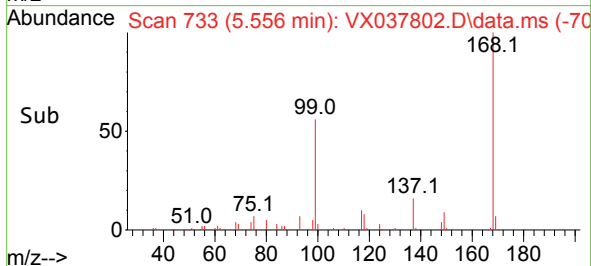
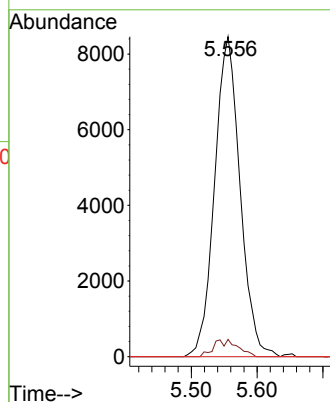
Tgt Ion:117 Resp: 22763

Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 48.774 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX037802.D

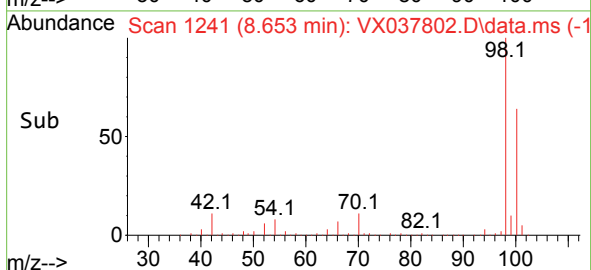
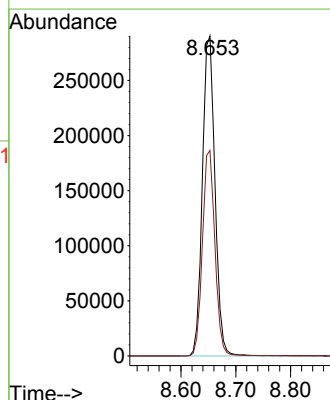
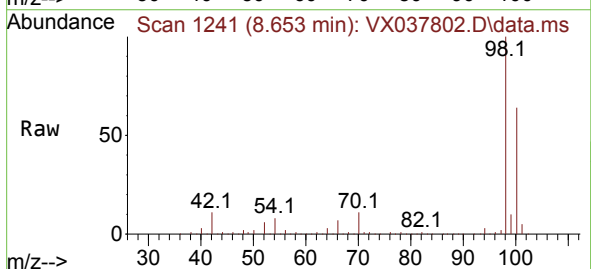
Acq: 19 Sep 2023 13:43

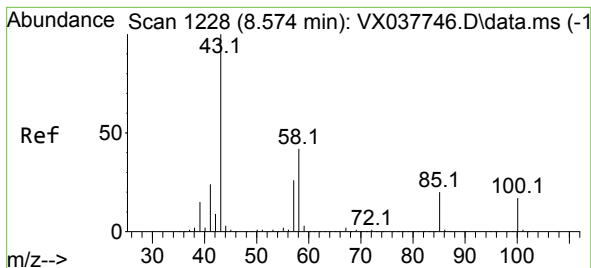
Tgt Ion: 98 Resp: 462783

Ion Ratio Lower Upper

98 100

100 63.8 53.1 79.7

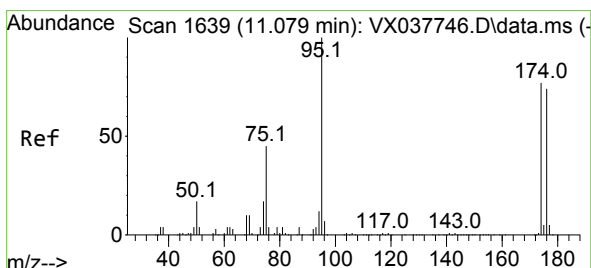
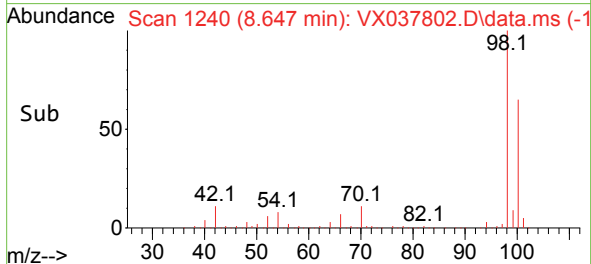
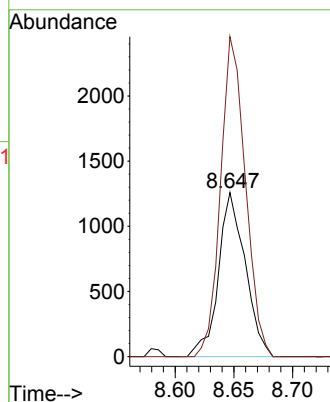
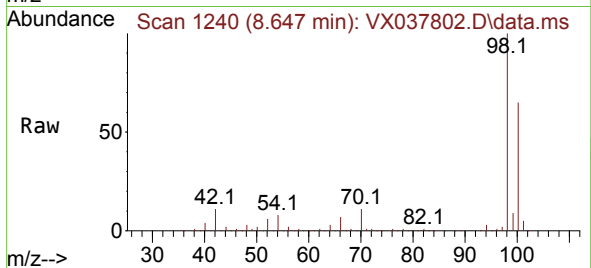




#51  
4-Methyl-2-Pentanone  
Concen: 0.511 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

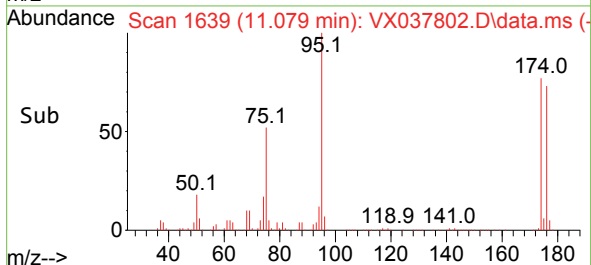
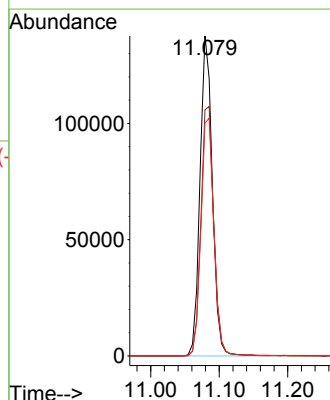
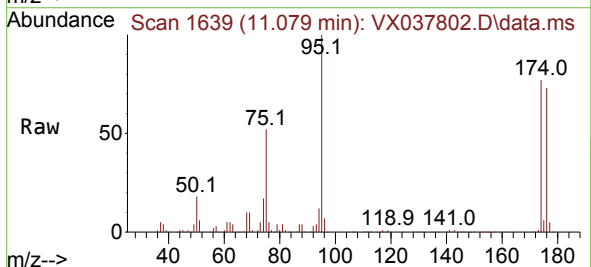
Instrument :  
MSVOA\_X  
ClientSampleId :

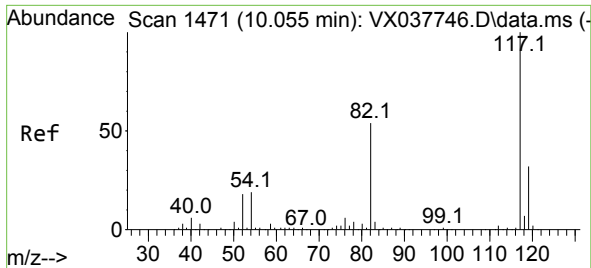
Tgt Ion: 43 Resp: 2004  
Ion Ratio Lower Upper  
43 100  
58 180.4 30.4 45.6#



#62  
4-Bromofluorobenzene  
Concen: 50.043 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

Tgt Ion: 95 Resp: 172542  
Ion Ratio Lower Upper  
95 100  
174 81.7 0.0 135.6  
176 78.2 0.0 131.0

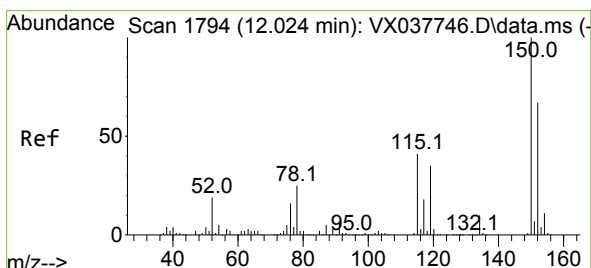
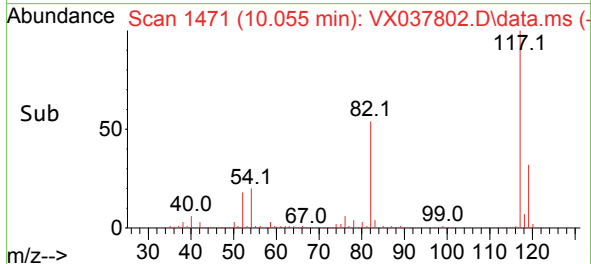
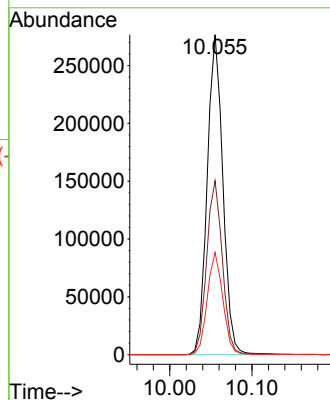
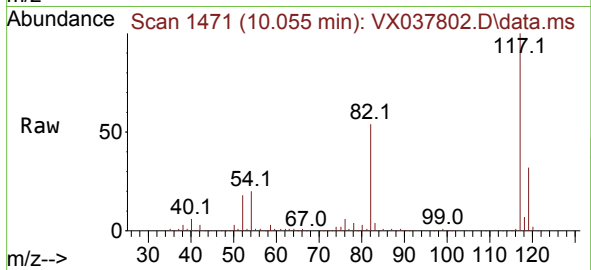




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

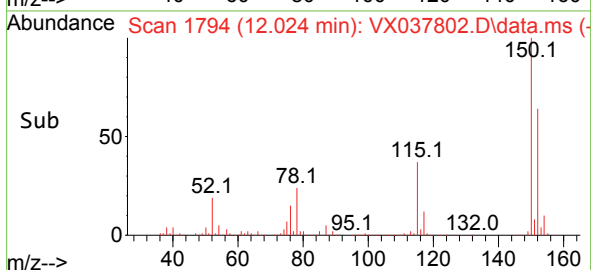
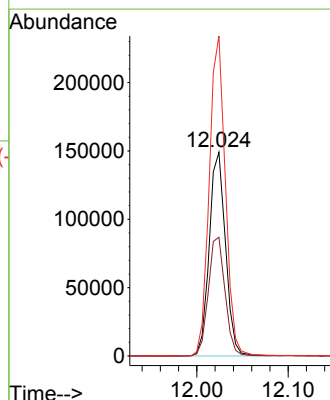
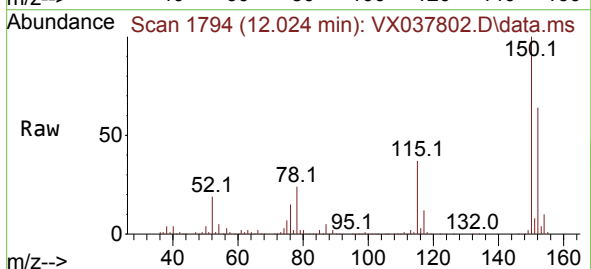
Instrument :  
MSVOA\_X  
ClientSampleId :

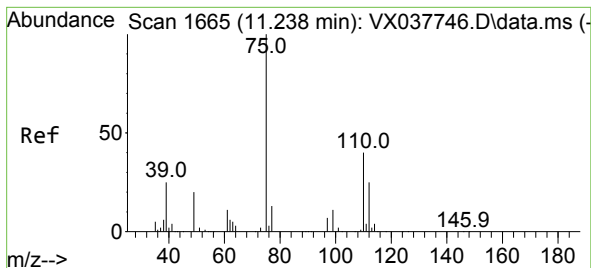
Tgt Ion:117 Resp: 366131  
Ion Ratio Lower Upper  
117 100  
82 54.4 46.2 69.4  
119 32.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037802.D  
Acq: 19 Sep 2023 13:43

Tgt Ion:152 Resp: 184155  
Ion Ratio Lower Upper  
152 100  
115 60.1 43.3 129.9  
150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.866 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037802.D

Acq: 19 Sep 2023 13:43

Instrument :

MSVOA\_X

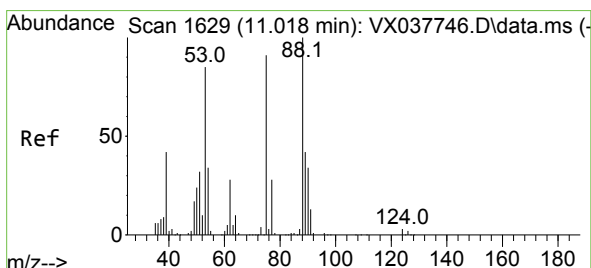
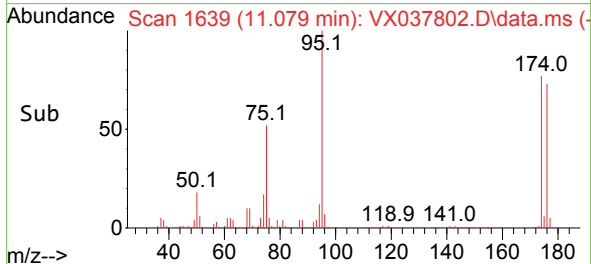
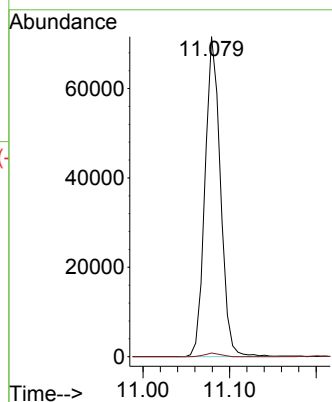
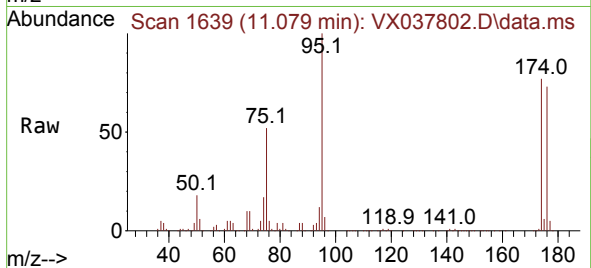
ClientSampleId :

Tgt Ion: 75 Resp: 88874

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.841 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037802.D

Acq: 19 Sep 2023 13:43

Tgt Ion: 75 Resp: 88874

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

