

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082123\  
 Data File : VX037138.D  
 Acq On : 21 Aug 2023 18:08  
 Operator : JC/MD  
 Sample : VIBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 22 05:59:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

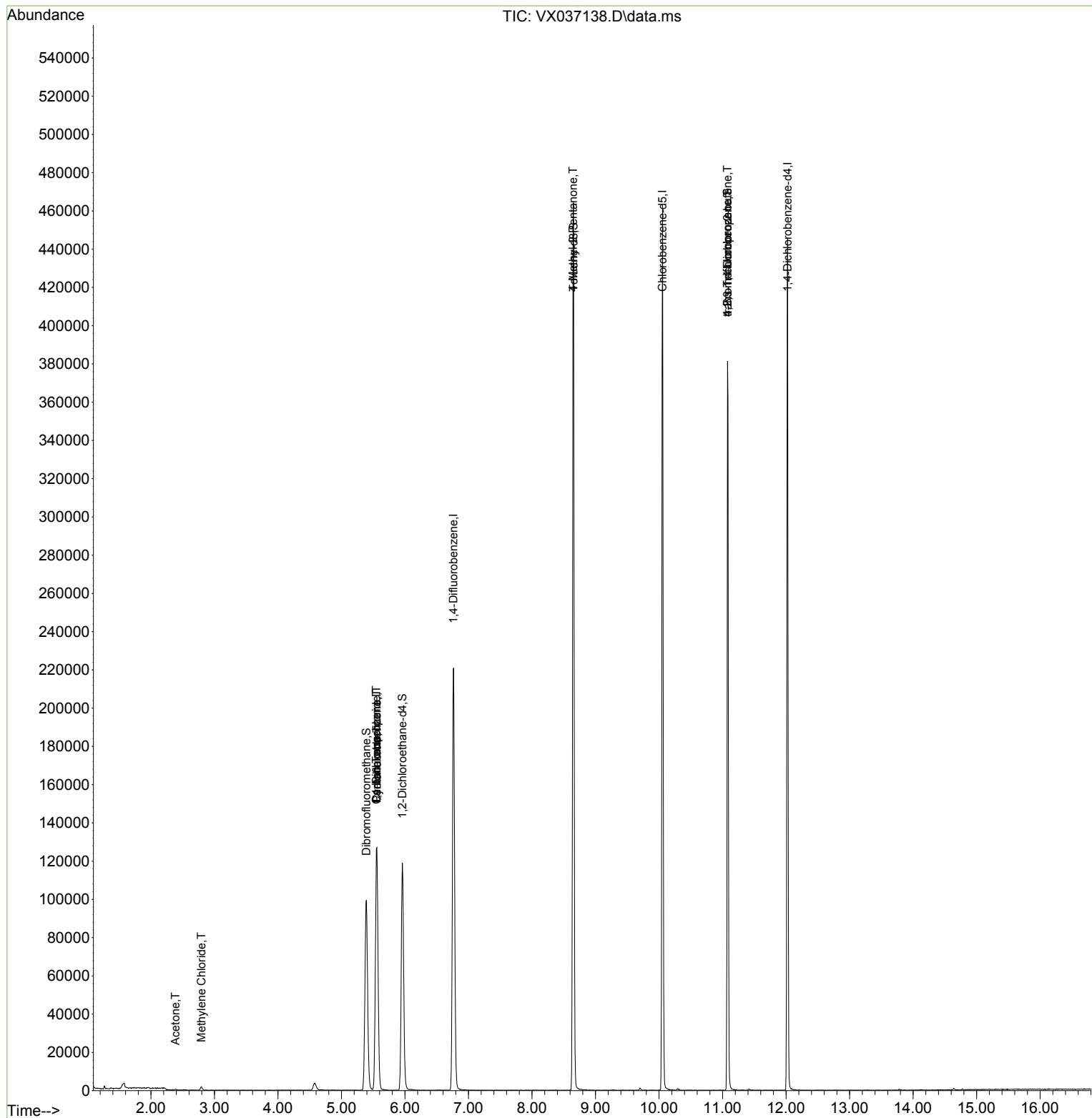
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) Pentafluorobenzene         | 5.556     | 168            | 117978   | 50.000      | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114            | 229747   | 50.000      | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117            | 207105   | 50.000      | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152            | 92301    | 50.000      | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65             | 118317   | 69.563      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 117 | Recovery | = 139.120%# |        |          |
| 35) Dibromofluoromethane      | 5.391     | 113            | 87478    | 57.492      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 75 - 124 | Recovery | = 114.980%  |        |          |
| 50) Toluene-d8                | 8.653     | 98             | 287789   | 52.143      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 92 - 112 | Recovery | = 104.280%  |        |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95             | 109245   | 50.367      | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 83 - 123 | Recovery | = 100.740%  |        |          |
| Target Compounds              |           |                |          |             |        |          |
|                               |           |                |          |             | Qvalue |          |
| 16) Acetone                   | 2.386     | 43             | 513      | 0.771       | ug/l # | 87       |
| 20) Methylene Chloride        | 2.794     | 84             | 950      | 0.638       | ug/l # | 82       |
| 31) Cyclohexane               | 5.556     | 56             | 2388     | 1.249       | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550     | 75             | 9604     | 4.443       | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550     | 117            | 12805    | 5.453       | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647     | 43             | 1205     | 0.566       | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75             | 55600    | 28.285      | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75             | 55600    | 79.001      | ug/l # | 5        |
| -----                         |           |                |          |             |        |          |

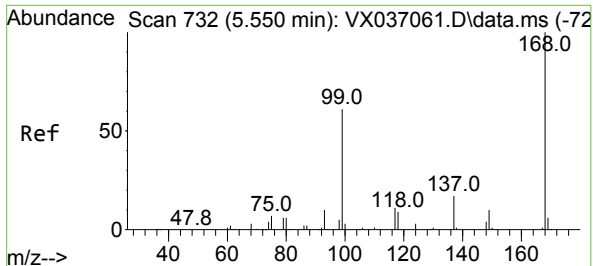
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

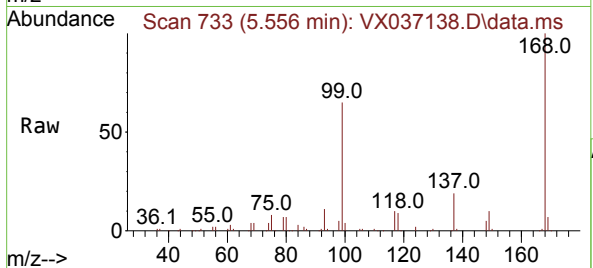
Quant Time: Aug 22 05:59:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



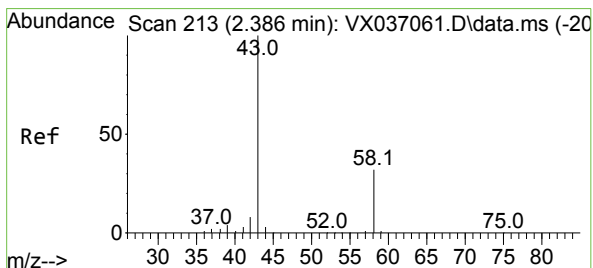
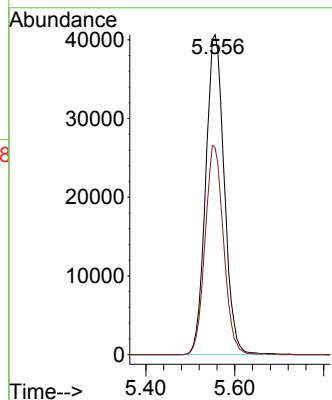
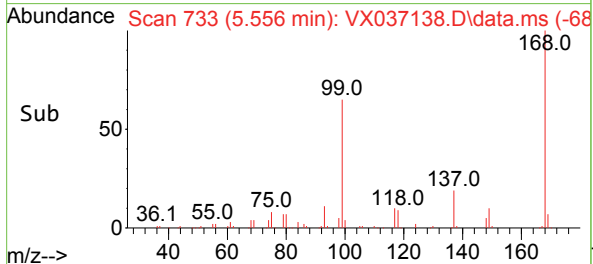


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Instrument :  
MSVOA\_X  
ClientSampleId :

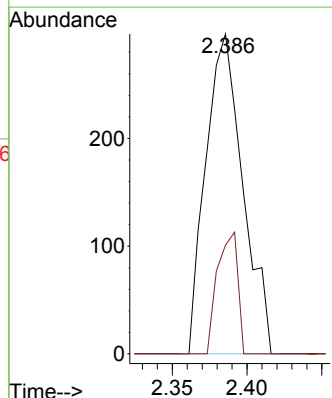
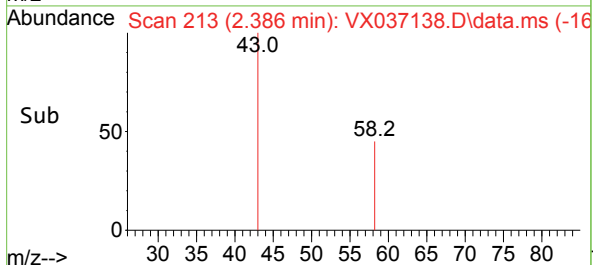
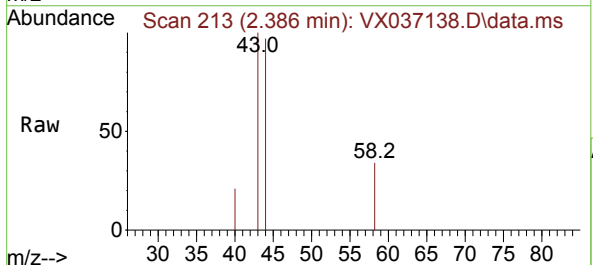


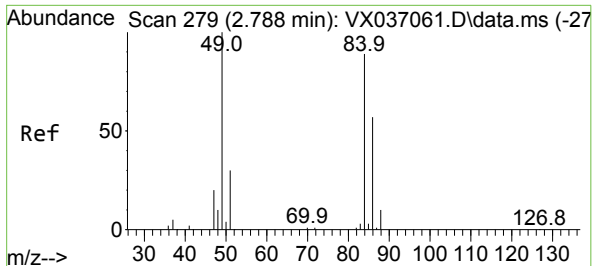
Tgt Ion:168 Resp: 117978  
Ion Ratio Lower Upper  
168 100  
99 64.7 56.6 85.0



#16  
Acetone  
Concen: 0.771 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

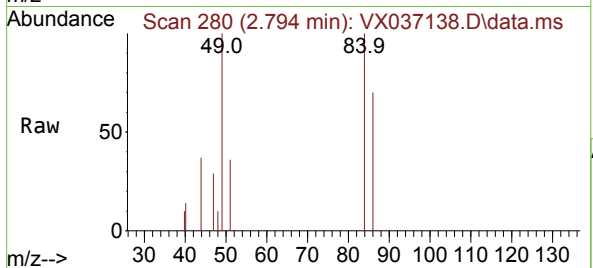
Tgt Ion: 43 Resp: 513  
Ion Ratio Lower Upper  
43 100  
58 34.0 21.9 32.9#



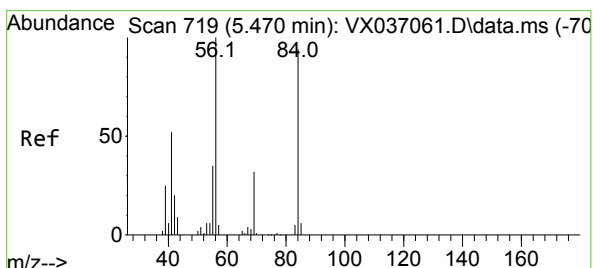
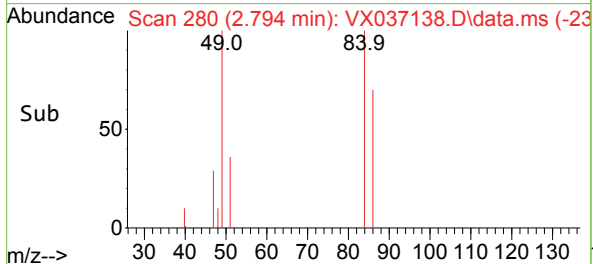
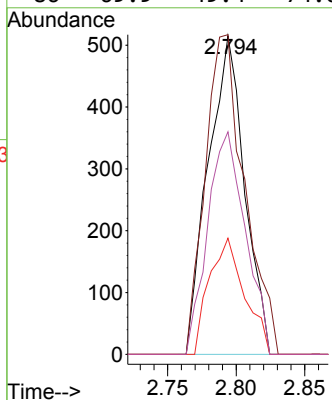


#20  
Methylene Chloride  
Concen: 0.638 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Instrument :  
MSVOA\_X  
ClientSampleId :

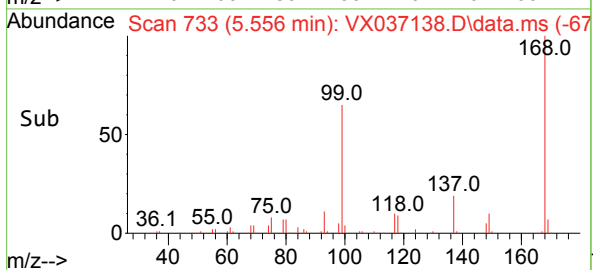
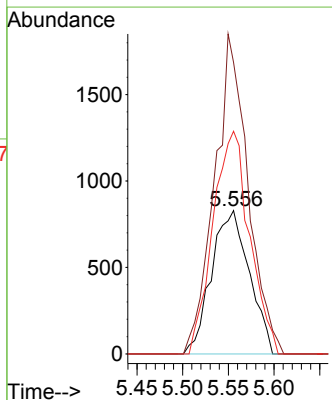
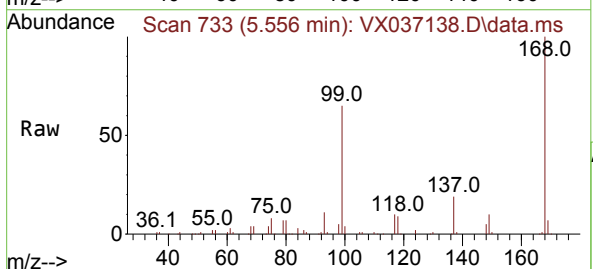


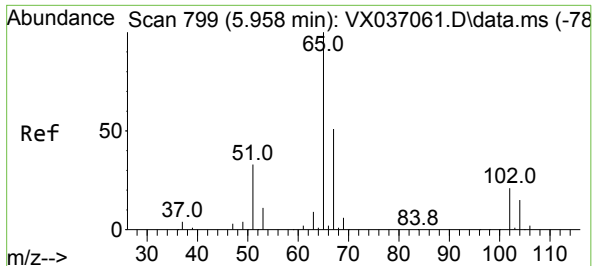
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 950    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 100.4 | 103.6 | 155.4# |
| 51       | 36.5  | 33.8  | 50.6   |
| 86       | 69.9  | 49.4  | 74.0   |



#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2388  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 203.4 | 23.4  | 35.2# |
| 84       | 155.4 | 65.9  | 98.9# |





#33

1,2-Dichloroethane-d4

Concen: 69.563 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037138.D

Acq: 21 Aug 2023 18:08

Instrument :

MSVOA\_X

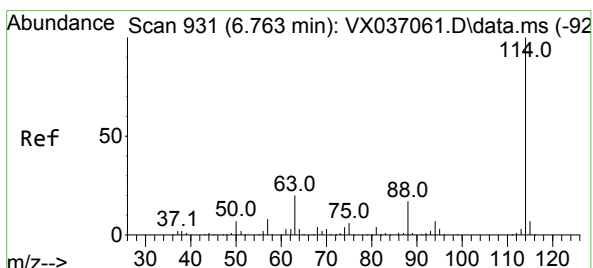
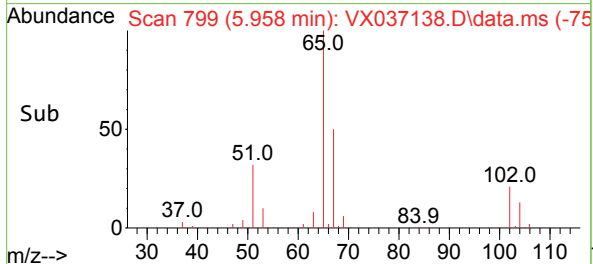
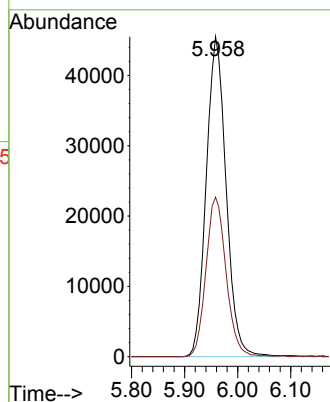
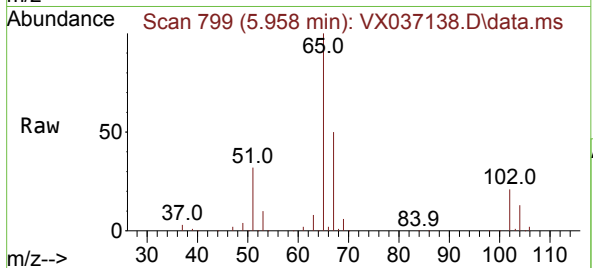
ClientSampleId :

Tgt Ion: 65 Resp: 118317

Ion Ratio Lower Upper

65 100

67 50.5 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: VX037138.D

Acq: 21 Aug 2023 18:08

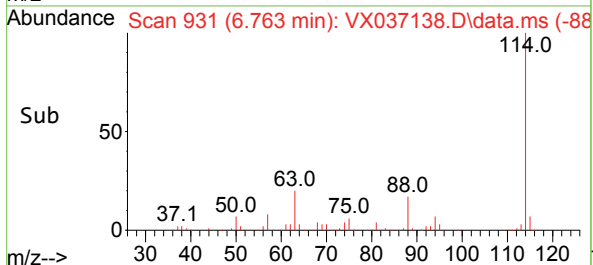
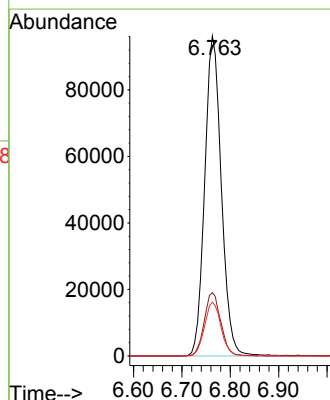
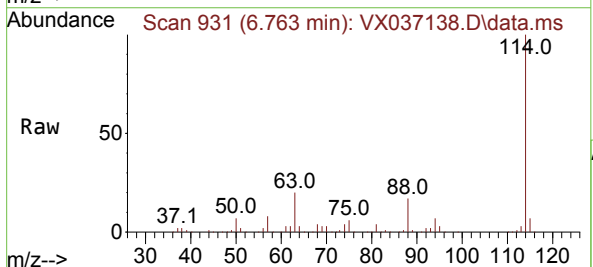
Tgt Ion:114 Resp: 229747

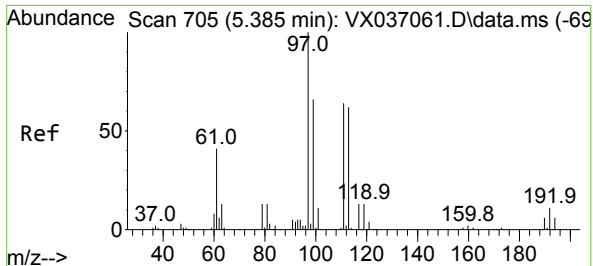
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

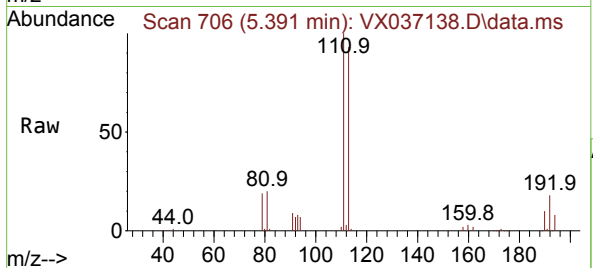
88 16.8 0.0 36.6



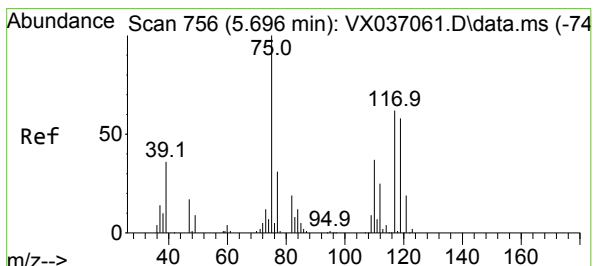
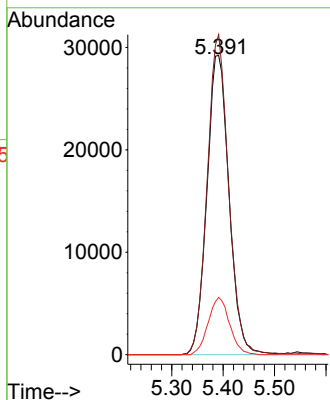
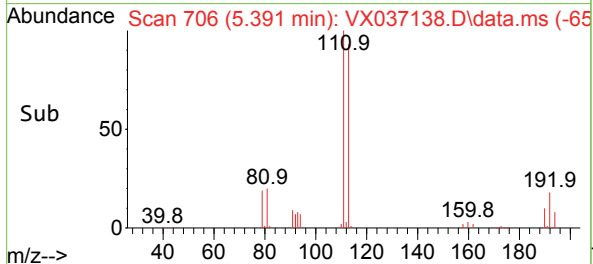


#35  
Dibromofluoromethane  
Concen: 57.492 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

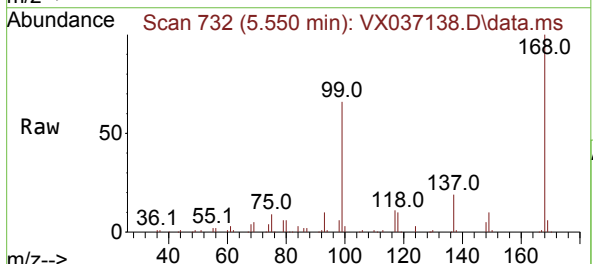
Instrument :  
MSVOA\_X  
ClientSampleId :



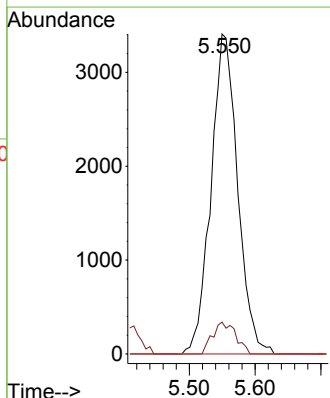
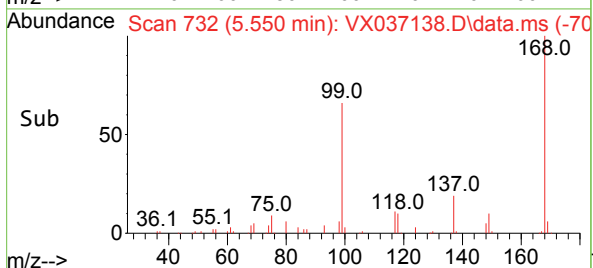
Tgt Ion:113 Resp: 87478  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.9 124.3  
192 18.5 13.3 19.9

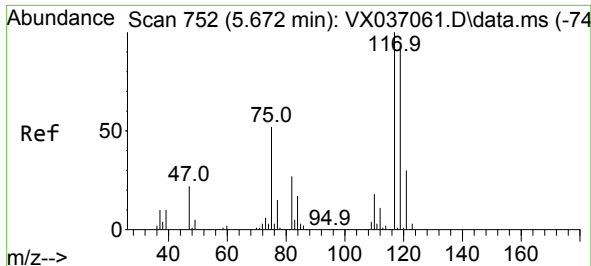


#36  
1,1-Dichloropropene  
Concen: 4.443 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08



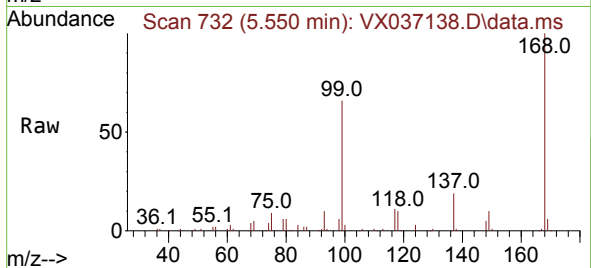
Tgt Ion: 75 Resp: 9604  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.0 50.9#  
77 0.0 24.7 37.1#



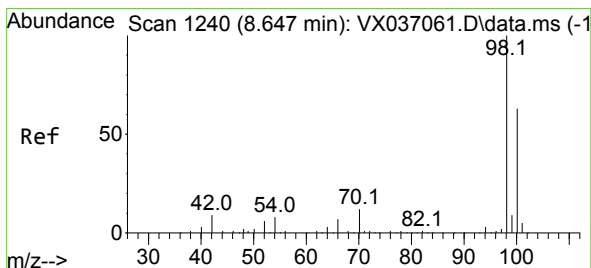
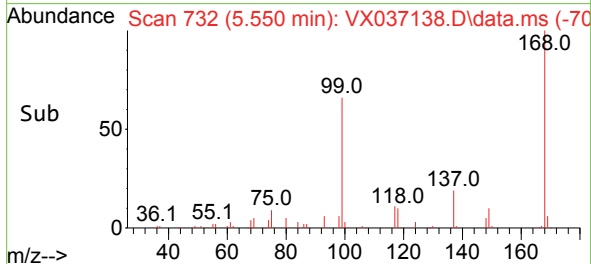
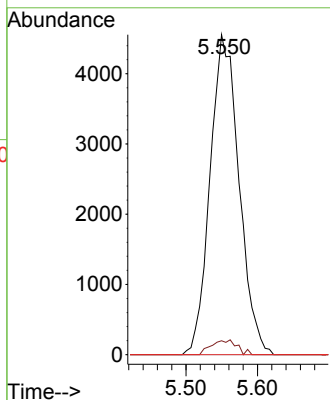


#38  
Carbon Tetrachloride  
Concen: 5.453 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Instrument :  
MSVOA\_X  
ClientSampleId :

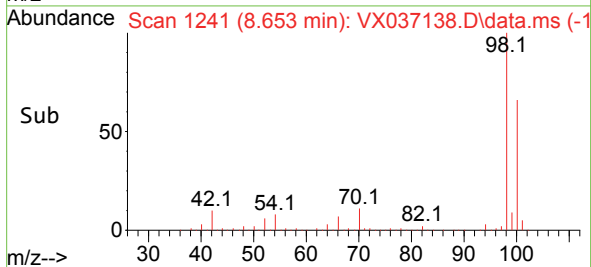
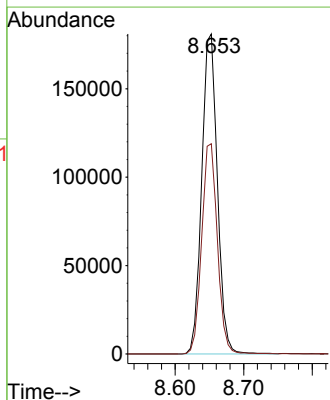
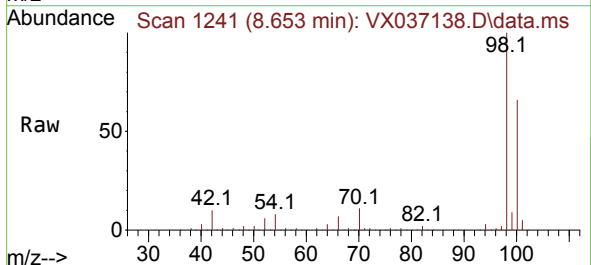


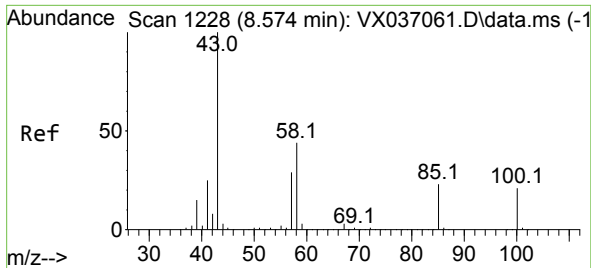
Tgt Ion:117 Resp: 12805  
Ion Ratio Lower Upper  
117 100  
119 4.3 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 52.143 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Tgt Ion: 98 Resp: 287789  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.1 79.7

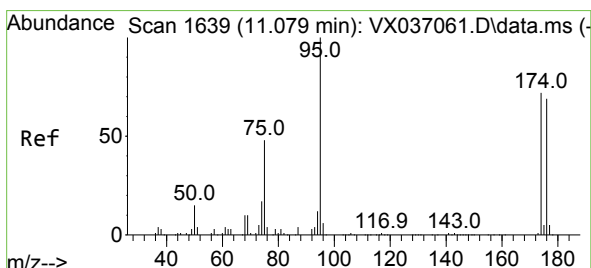
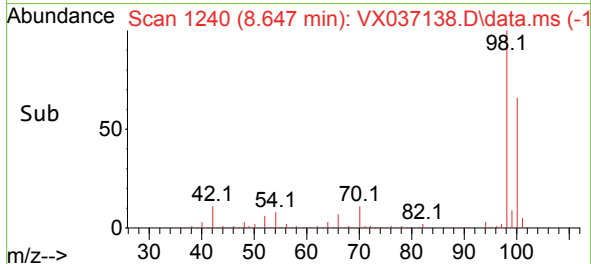
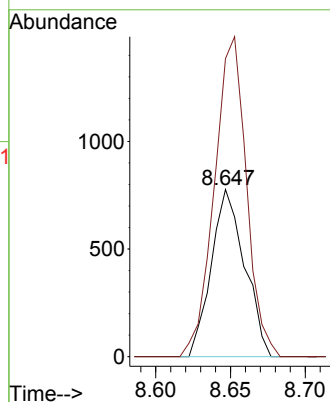
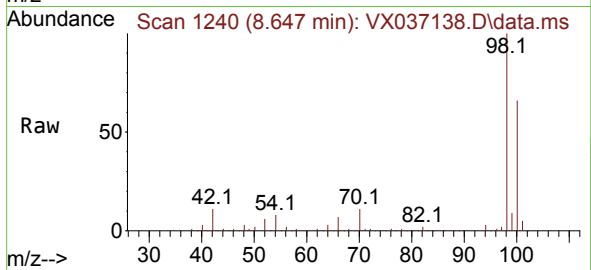




#51  
4-Methyl-2-Pentanone  
Concen: 0.566 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

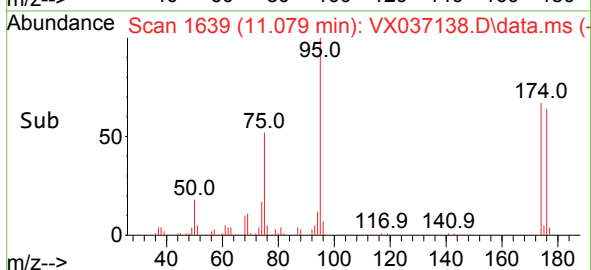
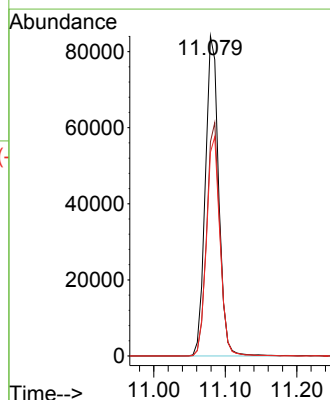
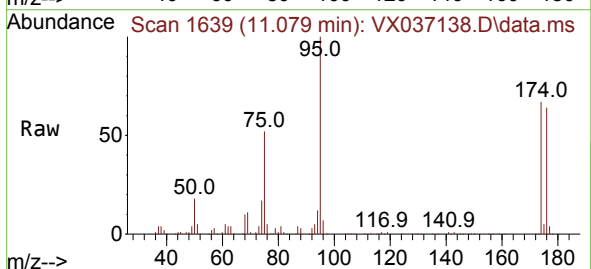
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 43 Resp: 1205  
Ion Ratio Lower Upper  
43 100  
58 183.9 30.4 45.6#

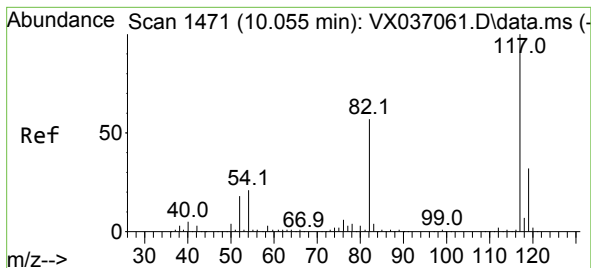


#62  
4-Bromofluorobenzene  
Concen: 50.367 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Tgt Ion: 95 Resp: 109245  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 135.6  
176 69.4 0.0 131.0

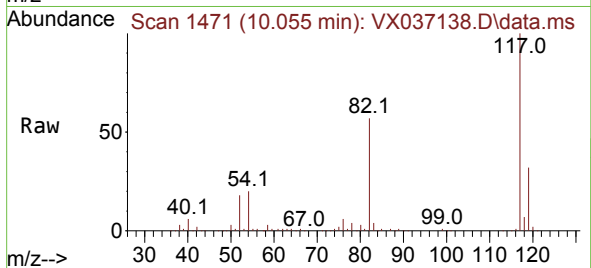




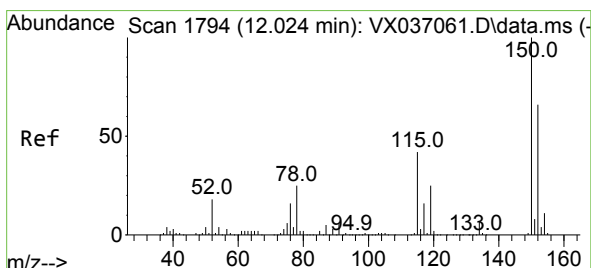
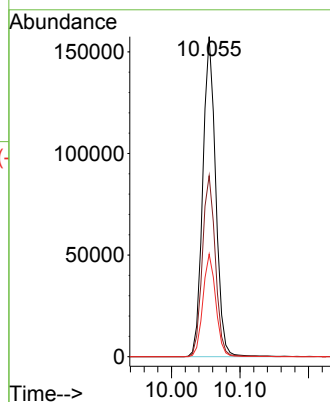
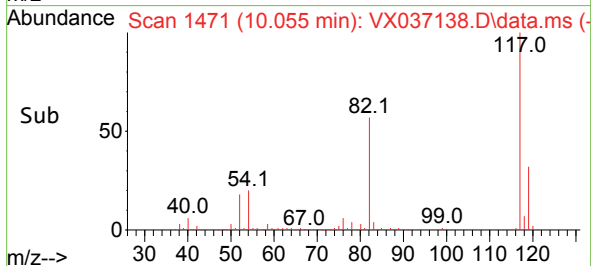


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

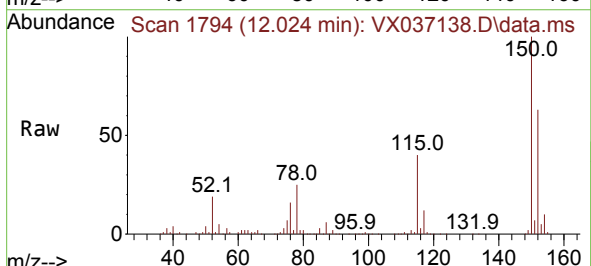
Instrument :  
MSVOA\_X  
ClientSampleId :



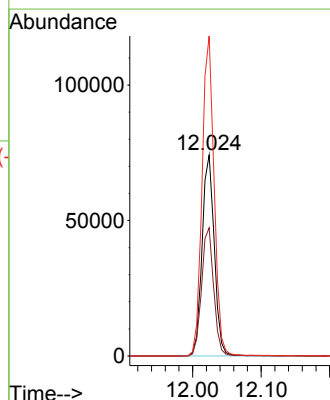
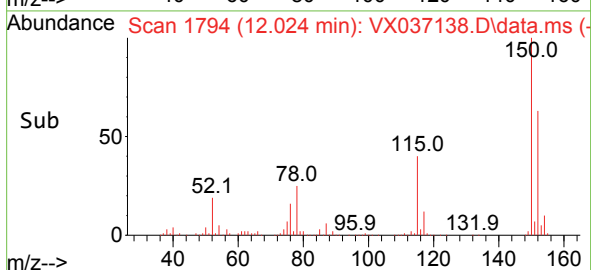
Tgt Ion:117 Resp: 207105  
Ion Ratio Lower Upper  
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82 56.5 46.2 69.4  
119 32.0 25.5 38.3

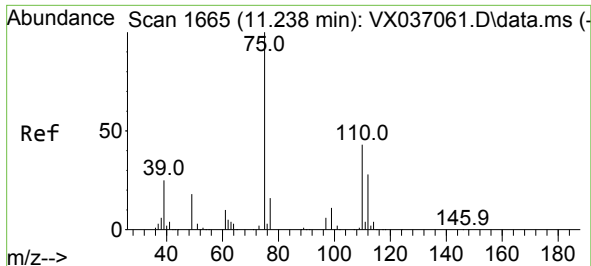


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08



Tgt Ion:152 Resp: 92301  
Ion Ratio Lower Upper  
152 100  
115 63.3 43.3 129.9  
150 157.2 0.0 345.0

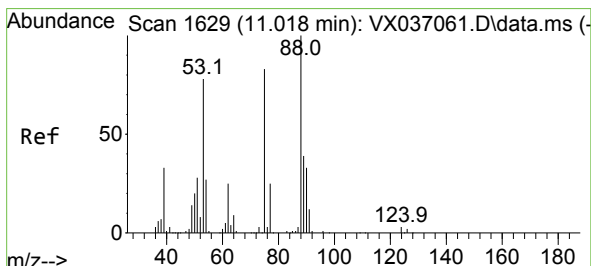
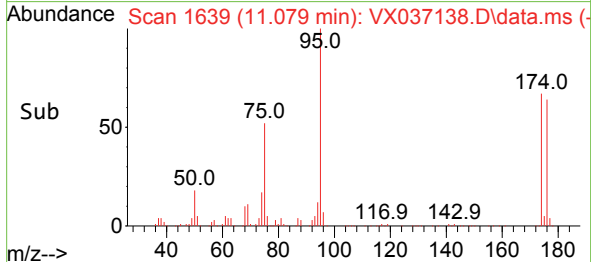
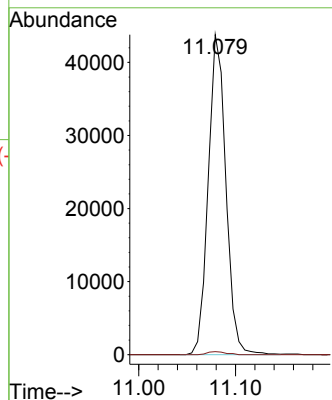
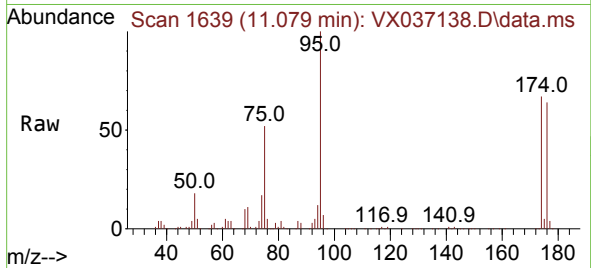




#76  
1,2,3-Trichloropropane  
Concen: 28.285 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 55600  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 79.001 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX037138.D  
Acq: 21 Aug 2023 18:08

Tgt Ion: 75 Resp: 55600  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

