

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111823\  
 Data File : VX038938.D  
 Acq On : 18 Nov 2023 19:00  
 Operator : JC/MD  
 Sample : 05428-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 20 04:39:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

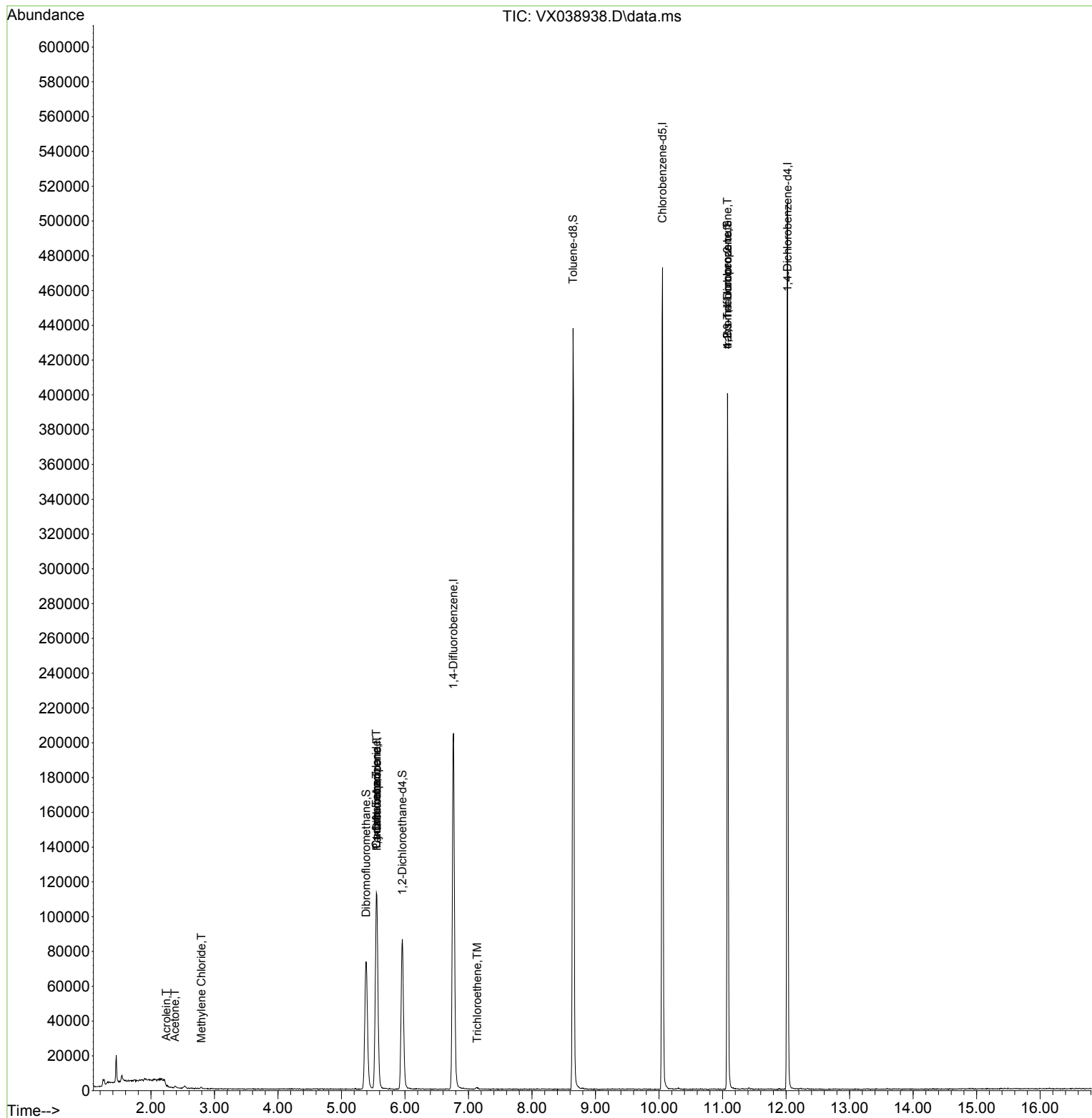
| Compound                      |        | R.T.   | QIon     | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|--------|----------|----------|
| -----                         |        |        |          |          |        |          |          |
| Internal Standards            |        |        |          |          |        |          |          |
| 1) Pentafluorobenzene         |        | 5.556  | 168      | 101287   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene       |        | 6.763  | 114      | 205920   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          |        | 10.055 | 117      | 210234   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    |        | 12.024 | 152      | 104630   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds   |        |        |          |          |        |          |          |
| 33) 1,2-Dichloroethane-d4     |        | 5.958  | 65       | 83167    | 50.958 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 78 - 117 | Recovery | =      | 101.920% |          |
| 35) Dibromofluoromethane      |        | 5.385  | 113      | 66515    | 44.725 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 75 - 124 | Recovery | =      | 89.440%  |          |
| 50) Toluene-d8                |        | 8.647  | 98       | 260199   | 45.728 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 92 - 112 | Recovery | =      | 91.460%# |          |
| 62) 4-Bromofluorobenzene      |        | 11.079 | 95       | 110024   | 48.303 | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 83 - 123 | Recovery | =      | 96.600%  |          |
| Target Compounds              |        |        |          |          |        |          |          |
|                               |        |        |          |          |        | Qvalue   |          |
| 13) Acrolein                  |        | 2.239  | 56       | 266      | 1.108  | ug/l #   | 14       |
| 16) Acetone                   |        | 2.380  | 43       | 960      | 1.105  | ug/l #   | 87       |
| 20) Methylene Chloride        |        | 2.794  | 84       | 454      | 0.290  | ug/l #   | 64       |
| 31) Cyclohexane               |        | 5.550  | 56       | 2758     | 1.184  | ug/l #   | 4        |
| 36) 1,1-Dichloropropene       |        | 5.556  | 75       | 9420     | 4.419  | ug/l #   | 50       |
| 38) Carbon Tetrachloride      |        | 5.550  | 117      | 11164    | 5.667  | ug/l #   | 15       |
| 44) Trichloroethene           |        | 7.135  | 130      | 530      | 0.345  | ug/l     | 93       |
| 76) 1,2,3-Trichloropropane    |        | 11.079 | 75       | 58218    | 22.301 | ug/l #   | 39       |
| 81) trans-1,4-Dichloro-2-b... |        | 11.079 | 75       | 58218    | 49.467 | ug/l #   | 5        |
| -----                         |        |        |          |          |        |          |          |

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

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ClientSampleId :

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Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration

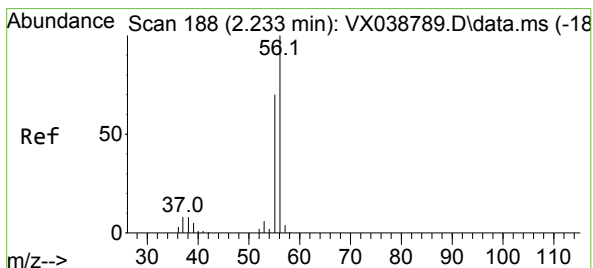
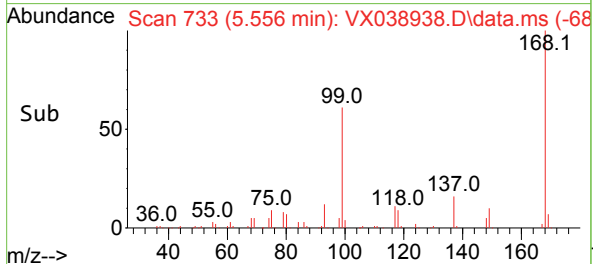
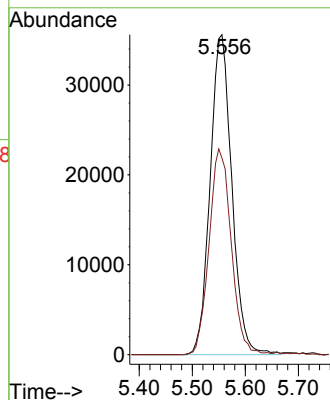
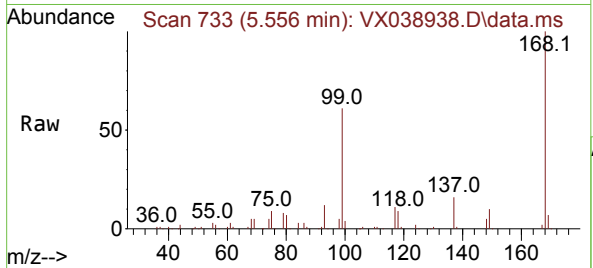




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

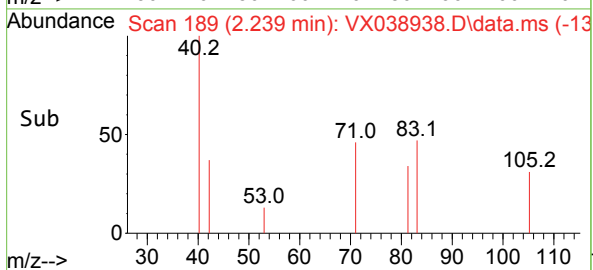
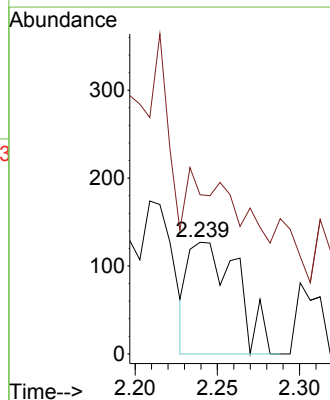
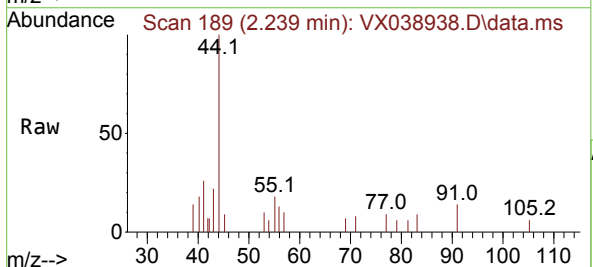
Instrument :  
MSVOA\_X  
ClientSampleId :

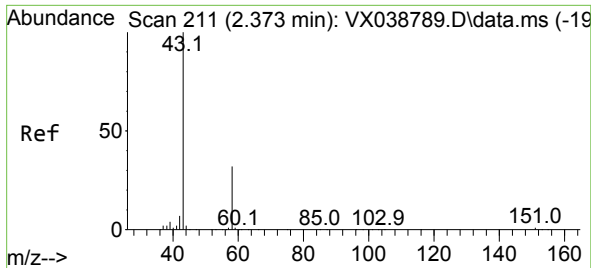
Tgt Ion:168 Resp: 101287  
Ion Ratio Lower Upper  
168 100  
99 61.5 56.6 85.0



#13  
Acrolein  
Concen: 1.108 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. 0.006 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Tgt Ion: 56 Resp: 266  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#

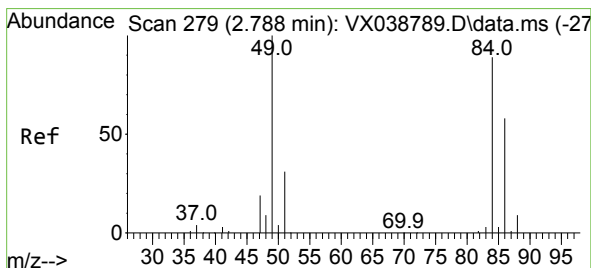
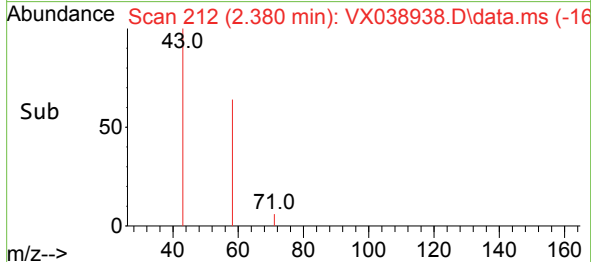
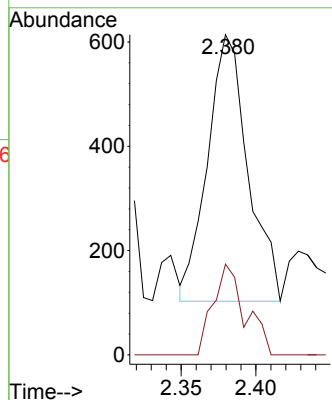
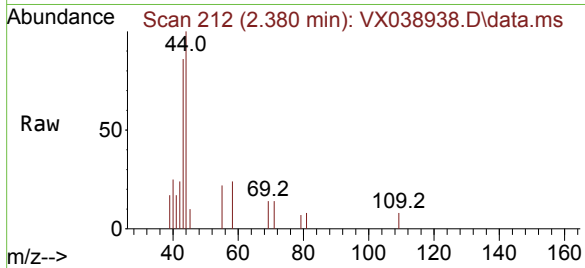




#16  
Acetone  
Concen: 1.105 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

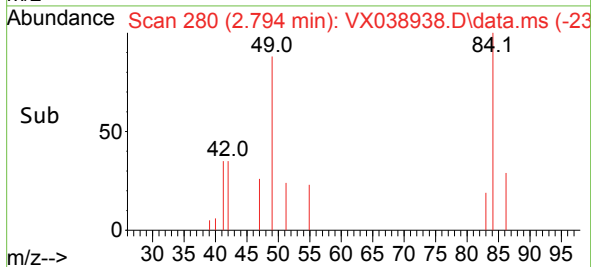
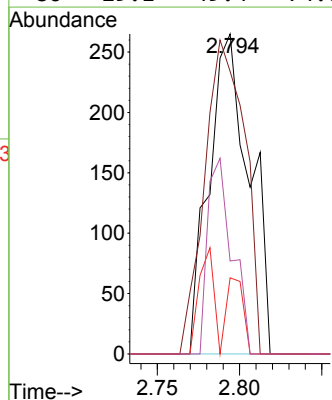
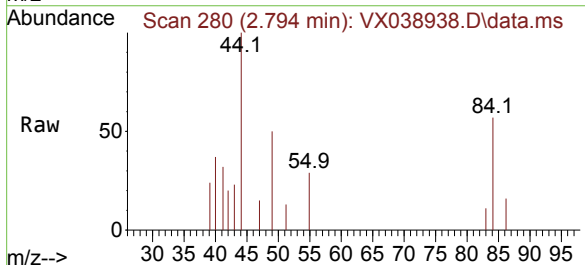
Instrument :  
MSVOA\_X  
ClientSampleId :

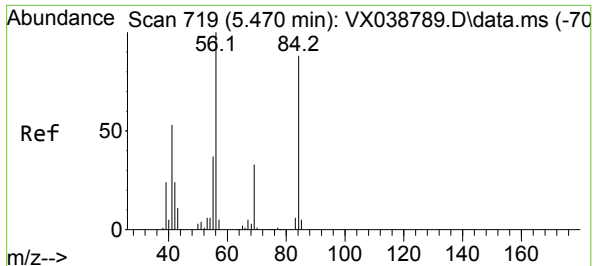
Tgt Ion: 43 Resp: 960  
Ion Ratio Lower Upper  
43 100  
58 34.1 21.9 32.9#



#20  
Methylene Chloride  
Concen: 0.290 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

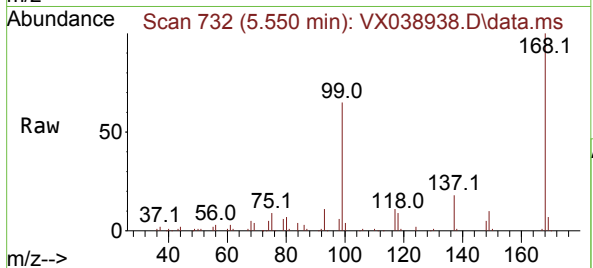
Tgt Ion: 84 Resp: 454  
Ion Ratio Lower Upper  
84 100  
49 88.3 103.6 155.4#  
51 23.8 33.8 50.6#  
86 29.1 49.4 74.0#



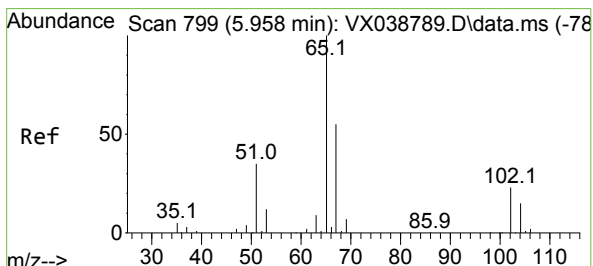
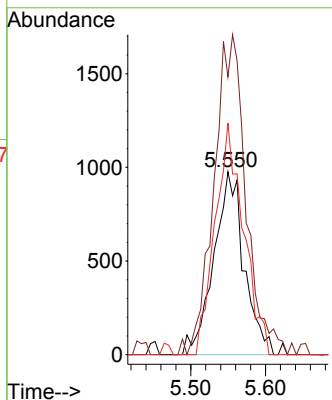
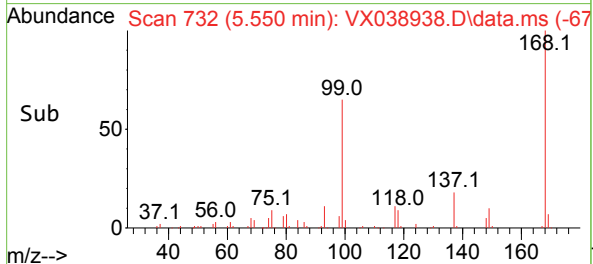


#31  
Cyclohexane  
Concen: 1.184 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Instrument :  
MSVOA\_X  
ClientSampleId :

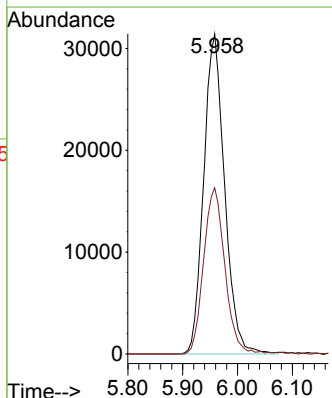
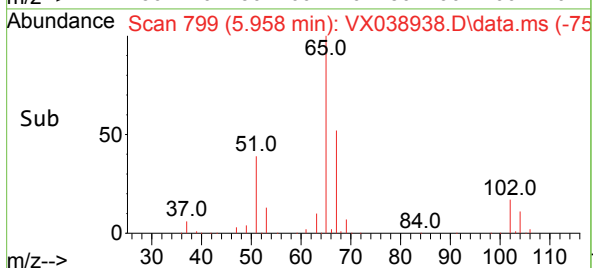
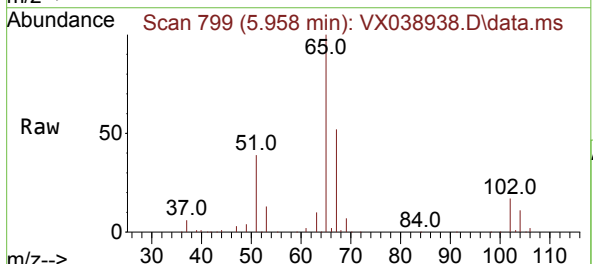


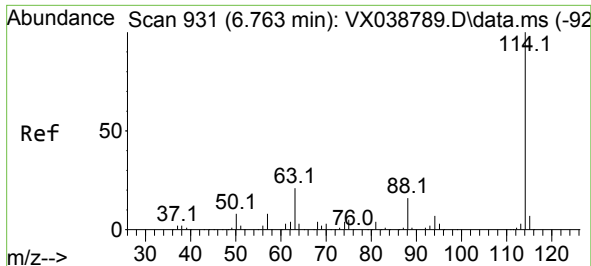
Tgt Ion: 56 Resp: 2758  
Ion Ratio Lower Upper  
56 100  
69 151.9 23.4 35.2#  
84 126.6 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 50.958 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Tgt Ion: 65 Resp: 83167  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 100.2

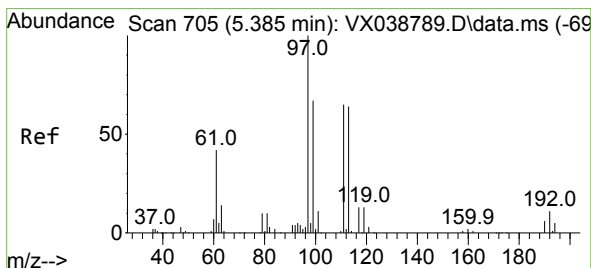
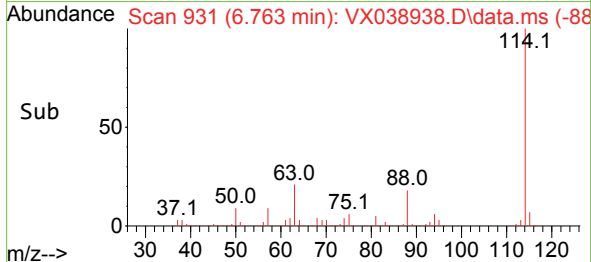
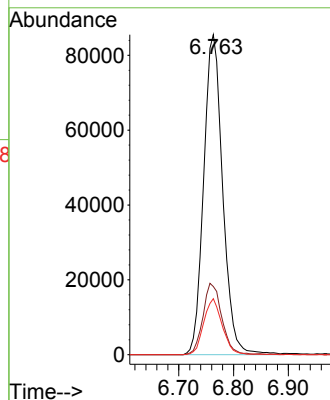
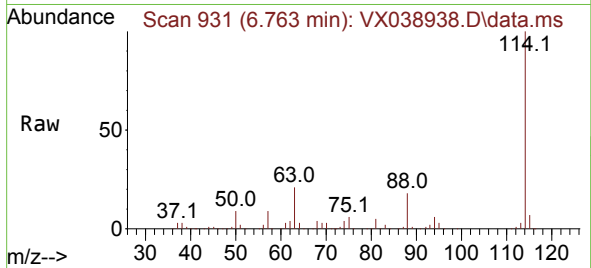




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

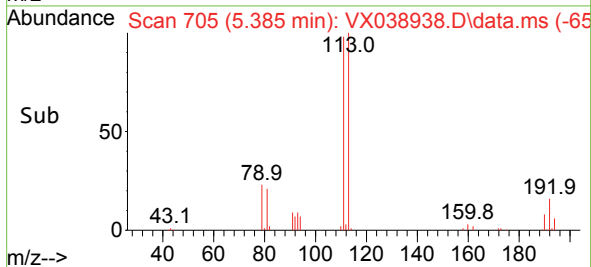
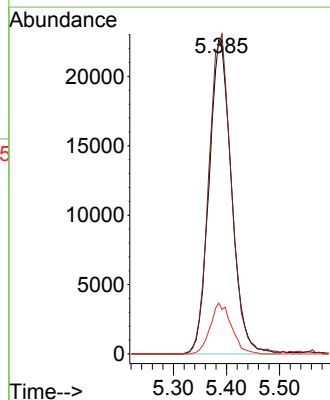
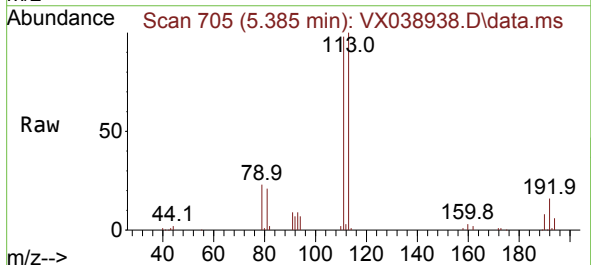
Instrument :  
MSVOA\_X  
ClientSampleId :

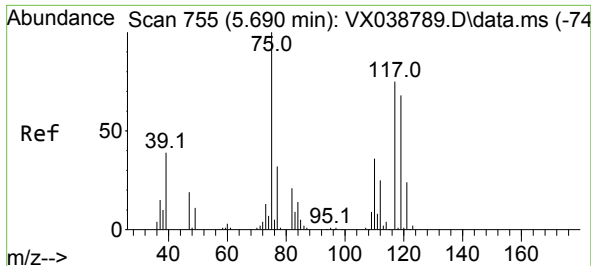
Tgt Ion:114 Resp: 205920  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 45.0  
88 17.5 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 44.725 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Tgt Ion:113 Resp: 66515  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.9 124.3  
192 15.4 13.3 19.9

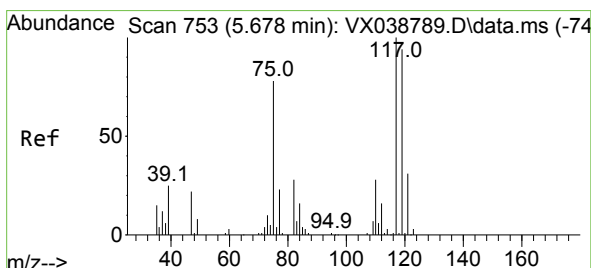
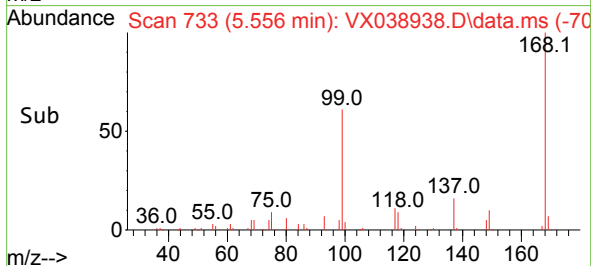
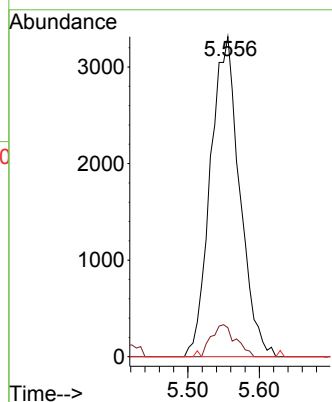
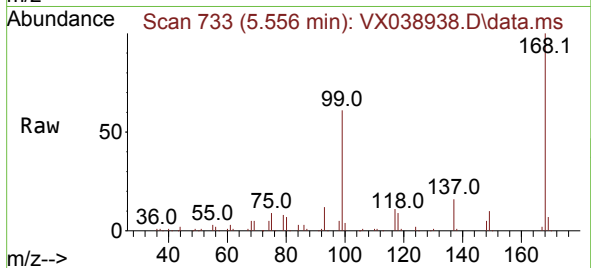




#36  
1,1-Dichloropropene  
Concen: 4.419 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.134 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

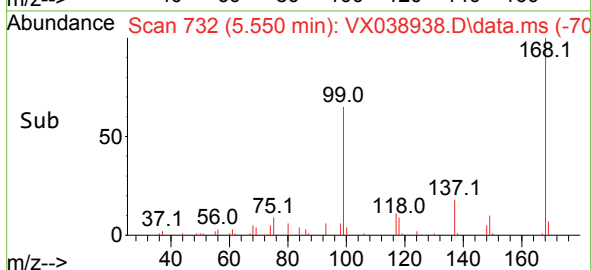
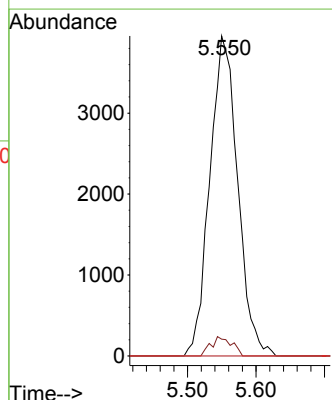
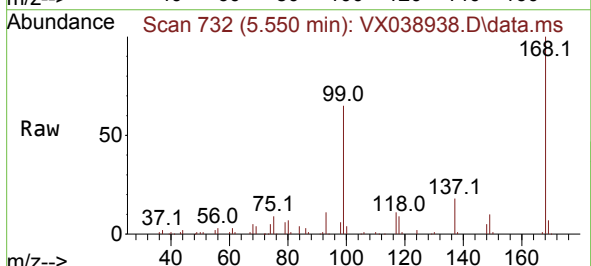
Instrument :  
MSVOA\_X  
ClientSampleId :

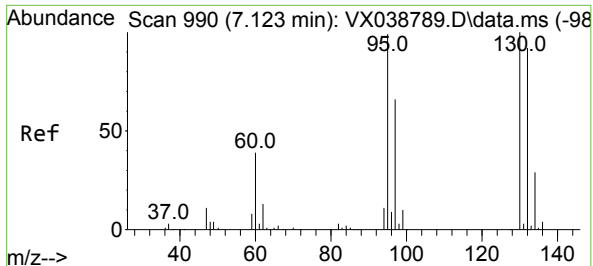
Tgt Ion: 75 Resp: 9420  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.667 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

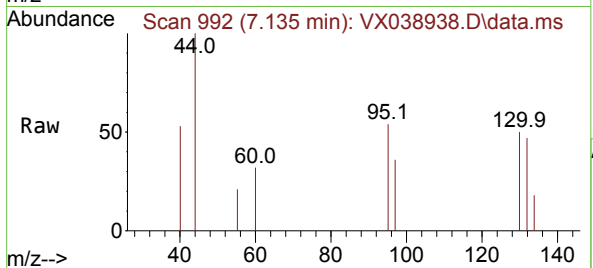
Tgt Ion: 117 Resp: 11164  
Ion Ratio Lower Upper  
117 100  
119 5.3 78.2 117.2#  
121 0.0 24.4 36.6#



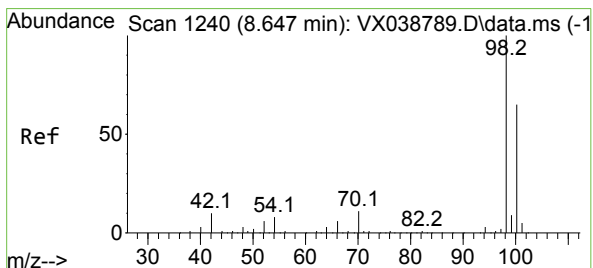
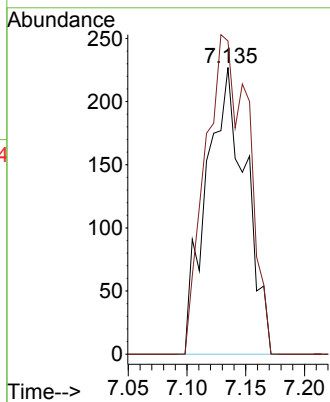
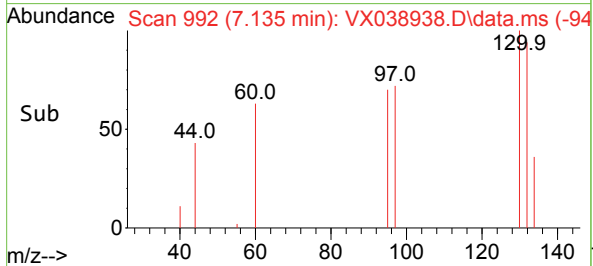


#44  
Trichloroethene  
Concen: 0.345 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. 0.012 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Instrument :  
MSVOA\_X  
ClientSampleId :

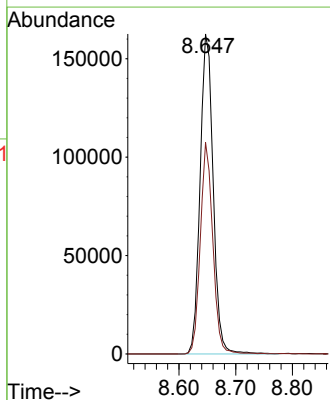
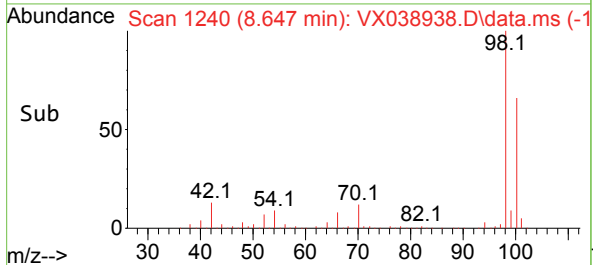
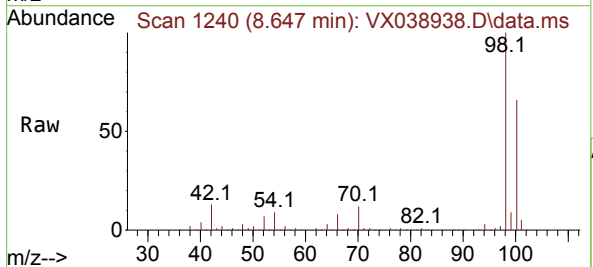


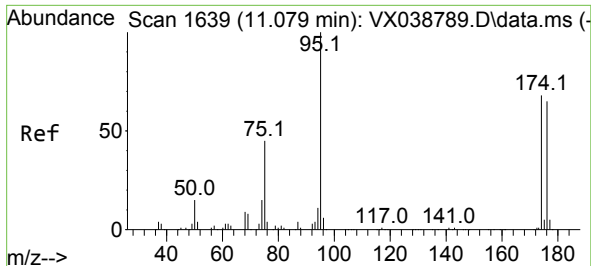
Tgt Ion:130 Resp: 530  
Ion Ratio Lower Upper  
130 100  
95 109.3 0.0 204.4



#50  
Toluene-d8  
Concen: 45.728 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Tgt Ion: 98 Resp: 260199  
Ion Ratio Lower Upper  
98 100  
100 63.4 53.1 79.7

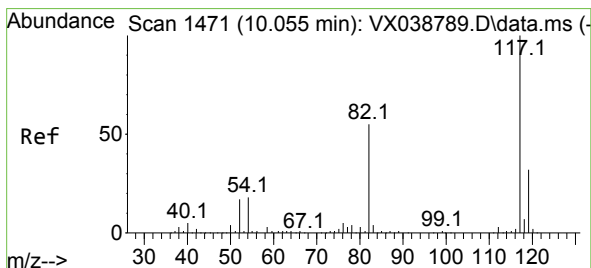
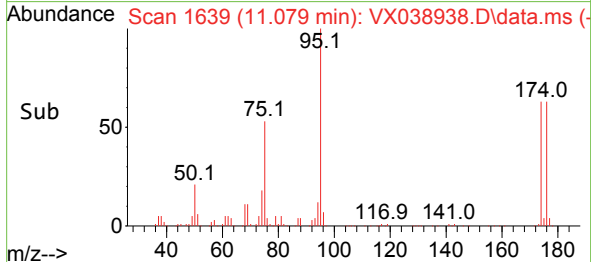
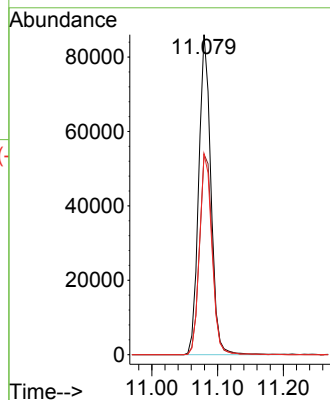
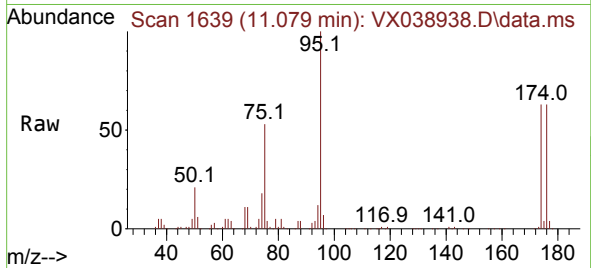




#62  
4-Bromofluorobenzene  
Concen: 48.303 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

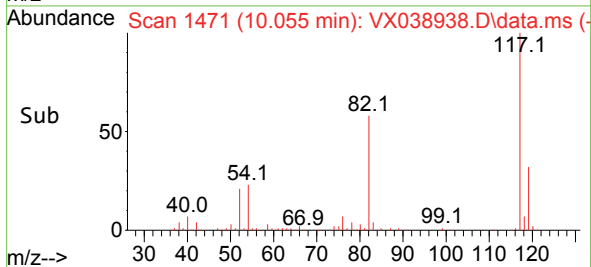
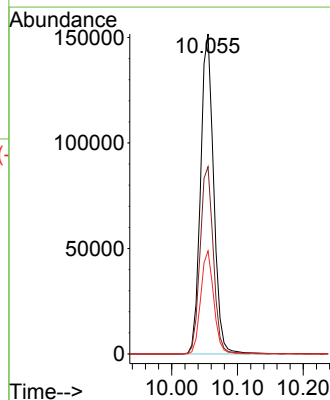
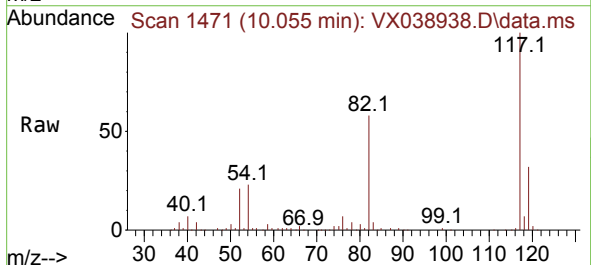
Instrument :  
MSVOA\_X  
ClientSampleId :

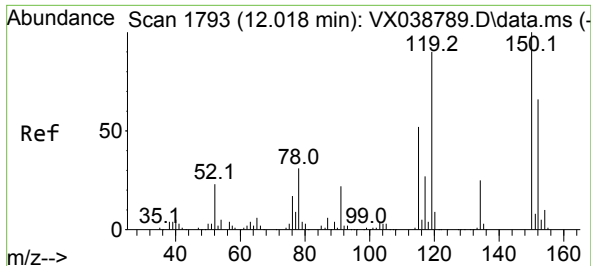
Tgt Ion: 95 Resp: 110024  
Ion Ratio Lower Upper  
95 100  
174 66.3 0.0 135.6  
176 64.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038938.D  
Acq: 18 Nov 2023 19:00

Tgt Ion: 117 Resp: 210234  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.2 69.4  
119 32.2 25.5 38.3

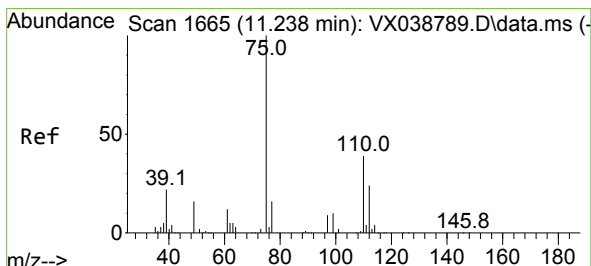
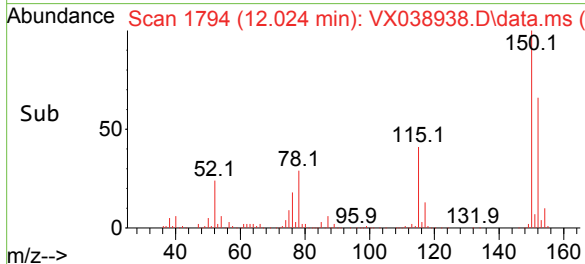
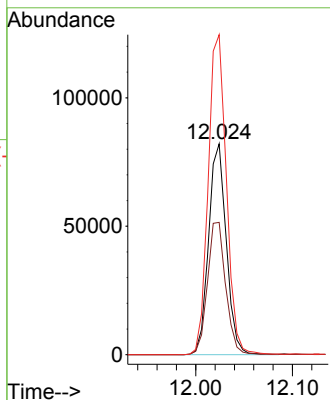
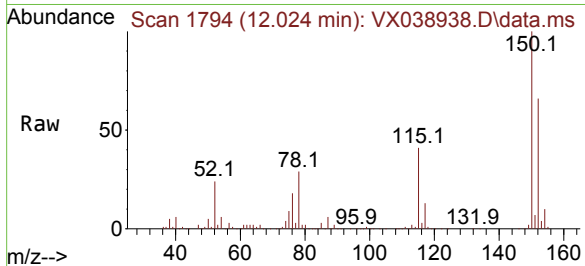




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX038938.D  
 Acq: 18 Nov 2023 19:00

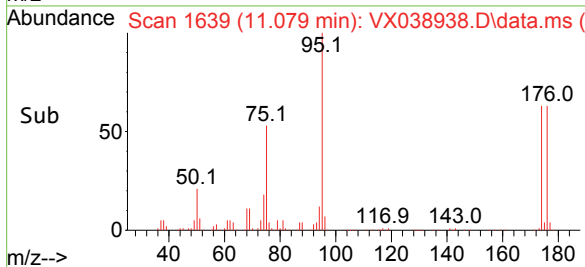
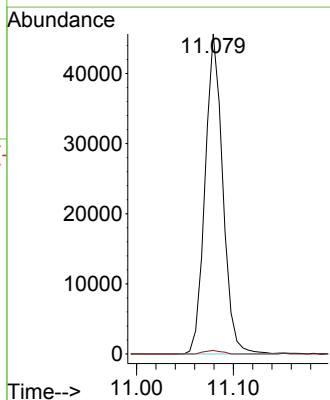
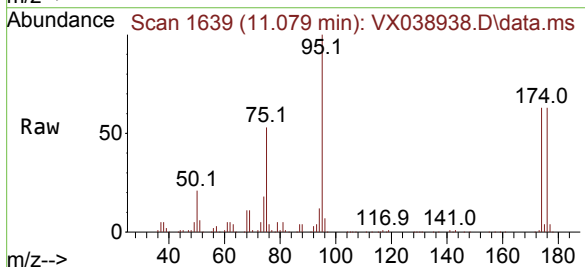
Instrument :  
 MSVOA\_X  
 ClientSampleId :

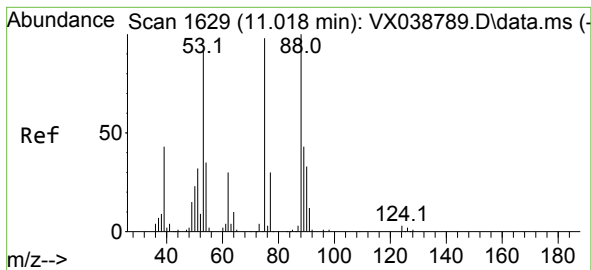
Tgt Ion:152 Resp: 104630  
 Ion Ratio Lower Upper  
 152 100  
 115 64.9 43.3 129.9  
 150 155.9 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 22.301 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX038938.D  
 Acq: 18 Nov 2023 19:00

Tgt Ion: 75 Resp: 58218  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 49.467 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX038938.D  
 Acq: 18 Nov 2023 19:00

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 75 Resp: 58218  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

