

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038883.D  
 Acq On : 17 Nov 2023 16:15  
 Operator : JC/MD  
 Sample : 05403-13  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 17 22:52:15 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

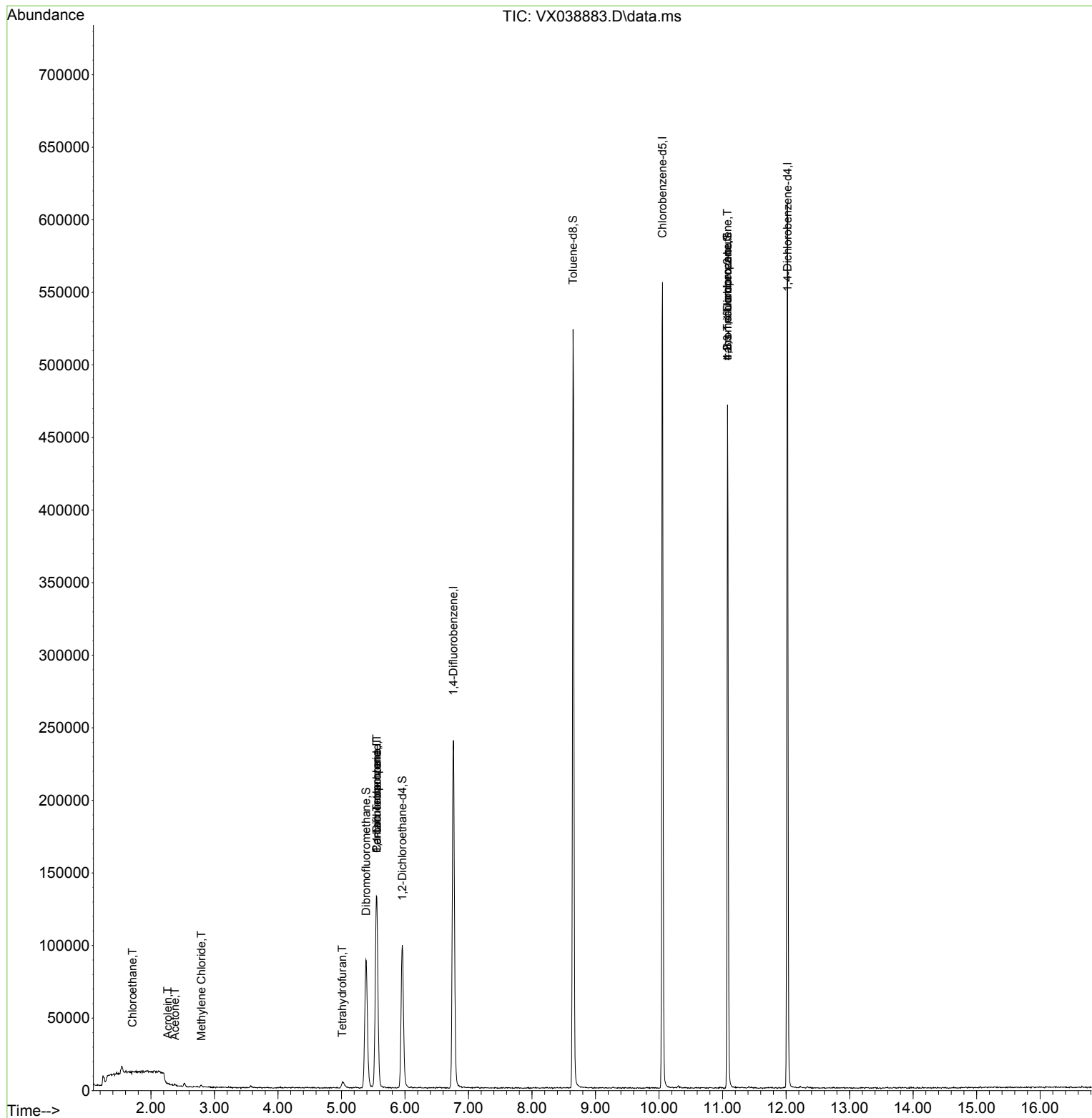
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 122264   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 245553   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 251358   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 123524   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 92122    | 46.760   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 93.520%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 78903    | 44.491   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 88.980%  |
| 50) Toluene-d8                | 8.647  | 98    | 312504   | 46.056   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 92.120%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 131190   | 48.299   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Chloroethane               | 1.709  | 64    | 245      | 0.239    | ug/l   | 89       |
| 13) Acrolein                  | 2.264  | 56    | 85       | 0.293    | ug/l # | 14       |
| 16) Acetone                   | 2.380  | 43    | 1226     | 1.169    | ug/l   | 92       |
| 20) Methylene Chloride        | 2.794  | 84    | 562      | 0.297    | ug/l # | 61       |
| 29) Tetrahydrofuran           | 5.013  | 42    | 2517     | 2.331    | ug/l # | 39       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 11134    | 4.380    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 13030    | 5.547    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 66476    | 21.570   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 66476    | 47.844   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

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

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MSVOA\_X  
ClientSampleId :

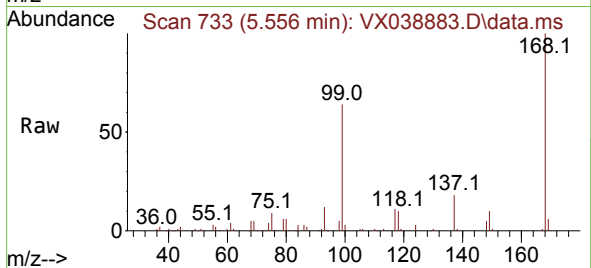
Quant Time: Nov 17 22:52:15 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
Response via : Initial Calibration



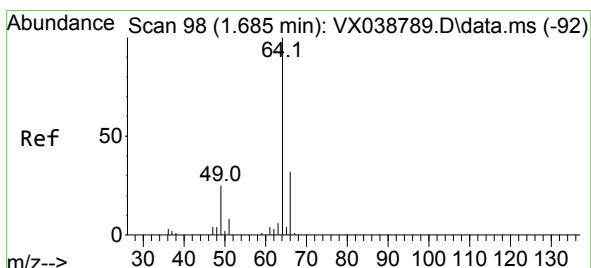
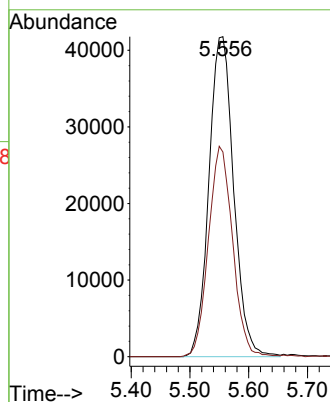
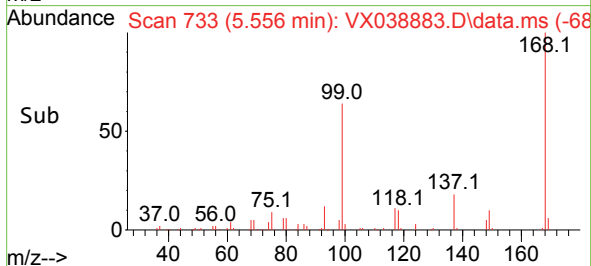


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Instrument :  
MSVOA\_X  
ClientSampleId :

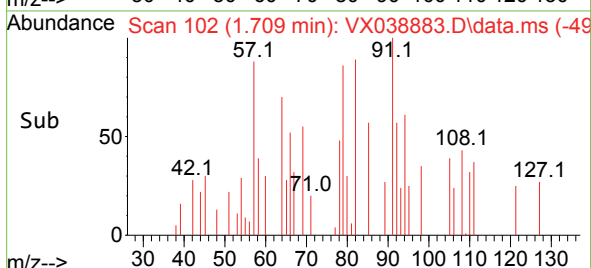
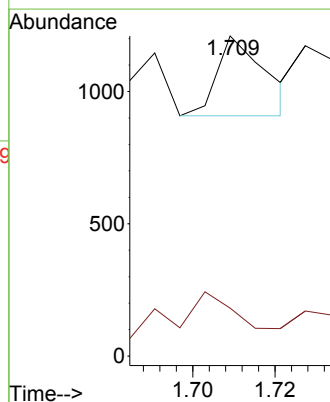
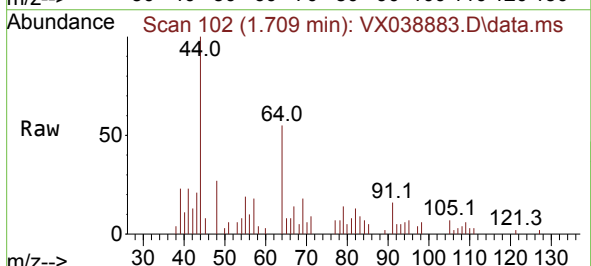


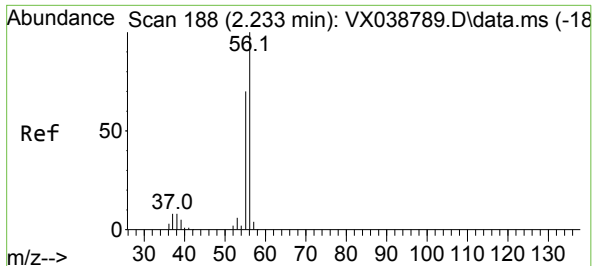
Tgt Ion:168 Resp: 122264  
Ion Ratio Lower Upper  
168 100  
99 63.9 56.6 85.0



#6  
Chloroethane  
Concen: 0.239 ug/l  
RT: 1.709 min Scan# 102  
Delta R.T. 0.024 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Tgt Ion: 64 Resp: 245  
Ion Ratio Lower Upper  
64 100  
66 25.5 25.1 37.7

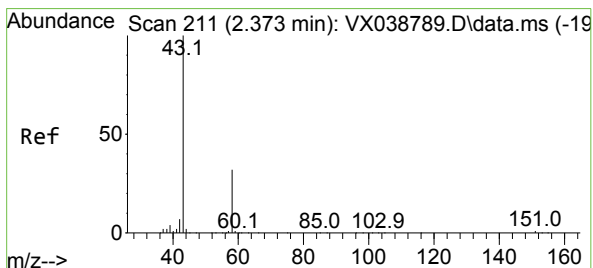
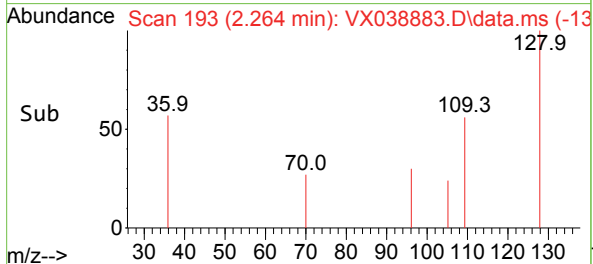
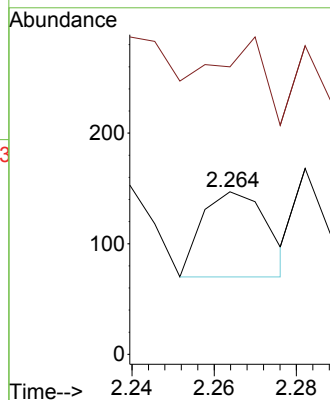
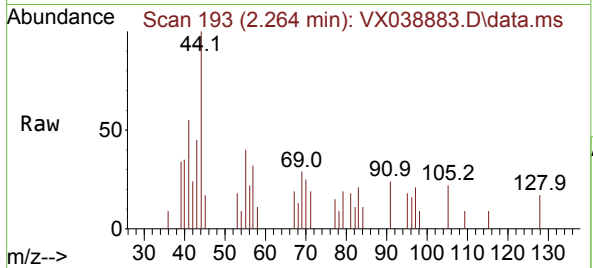




#13  
Acrolein  
Concen: 0.293 ug/l  
RT: 2.264 min Scan# 193  
Delta R.T. 0.031 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

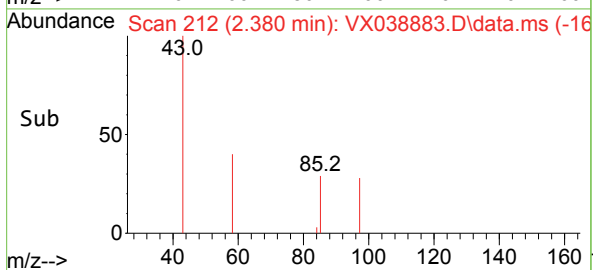
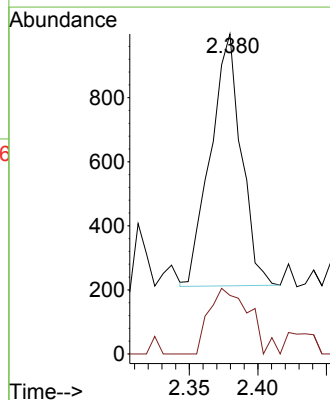
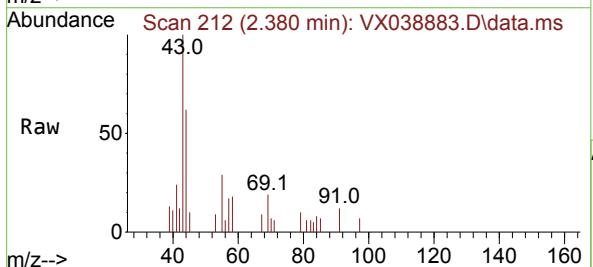
Instrument :  
MSVOA\_X  
ClientSampleId :

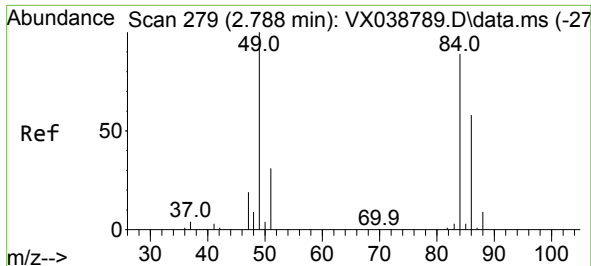
Tgt Ion: 56 Resp: 85  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.1 85.7#



#16  
Acetone  
Concen: 1.169 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

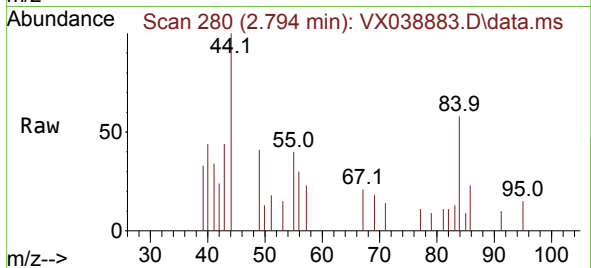
Tgt Ion: 43 Resp: 1226  
Ion Ratio Lower Upper  
43 100  
58 23.3 21.9 32.9





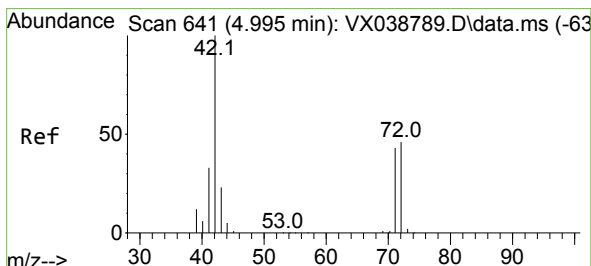
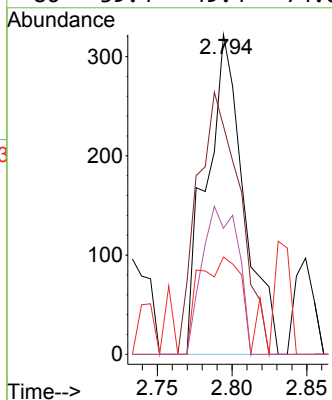
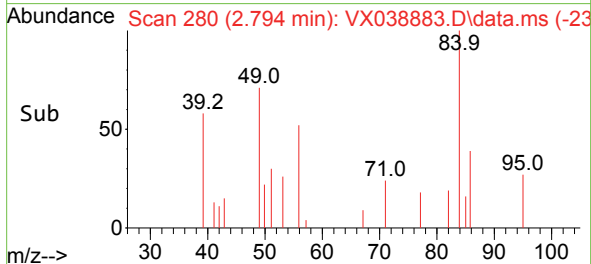
#20  
Methylene Chloride  
Concen: 0.297 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Instrument :  
MSVOA\_X  
ClientSampleId :



Tgt Ion: 84 Resp: 562

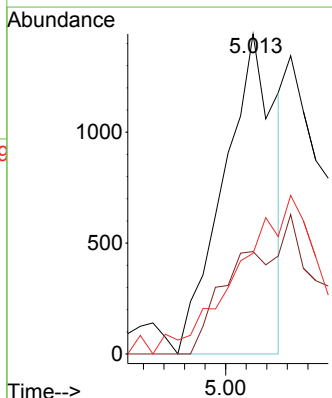
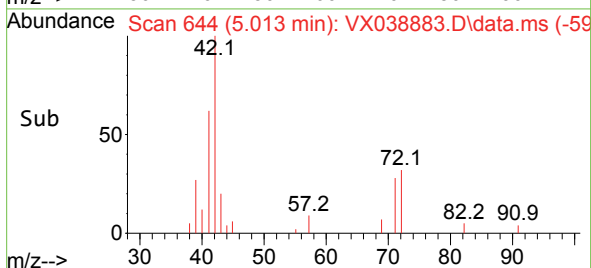
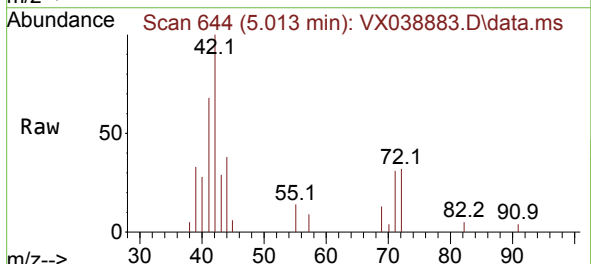
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 71.4  | 103.6 | 155.4# |
| 51  | 30.4  | 33.8  | 50.6#  |
| 86  | 39.4  | 49.4  | 74.0#  |



#29  
Tetrahydrofuran  
Concen: 2.331 ug/l  
RT: 5.013 min Scan# 644  
Delta R.T. 0.018 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Tgt Ion: 42 Resp: 2517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 71.8  | 34.2  | 51.4# |
| 71  | 88.0  | 32.2  | 48.2# |

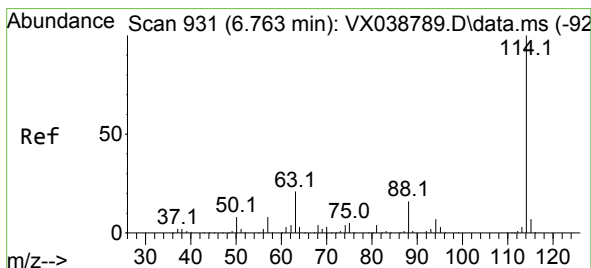
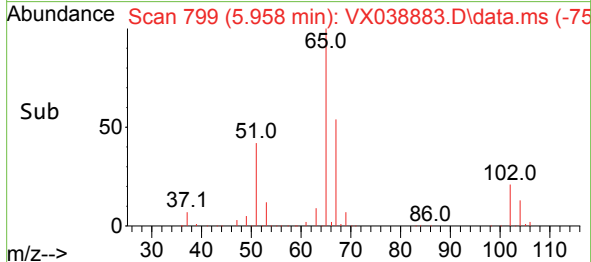
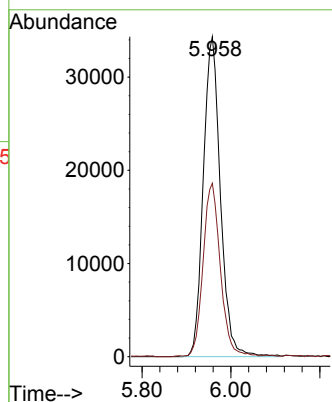
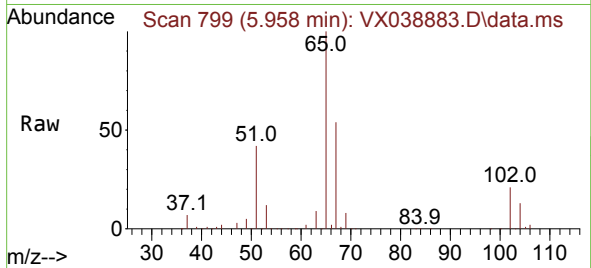




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.760 ug/l  
 RT: 5.958 min Scan# 799  
 Delta R.T. 0.000 min  
 Lab File: VX038883.D  
 Acq: 17 Nov 2023 16:15

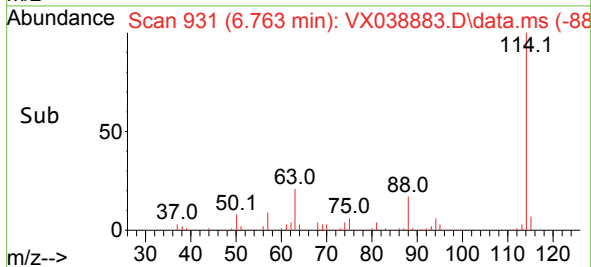
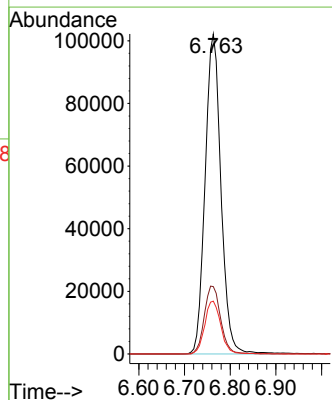
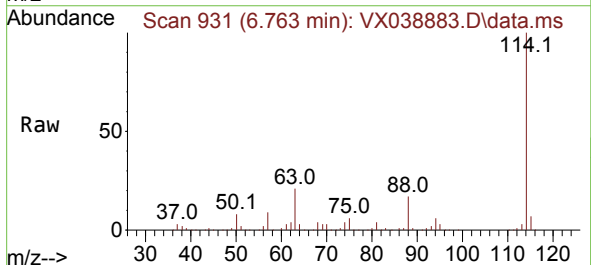
Instrument :  
 MSVOA\_X  
 ClientSampleId :

Tgt Ion: 65 Resp: 92122  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 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: VX038883.D  
 Acq: 17 Nov 2023 16:15

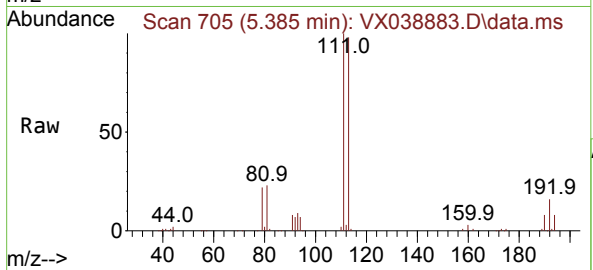
Tgt Ion:114 Resp: 245553  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 45.0  
 88 16.5 0.0 36.6



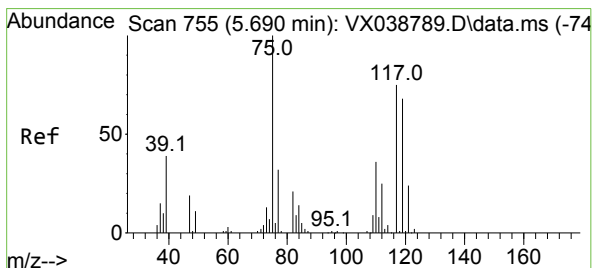
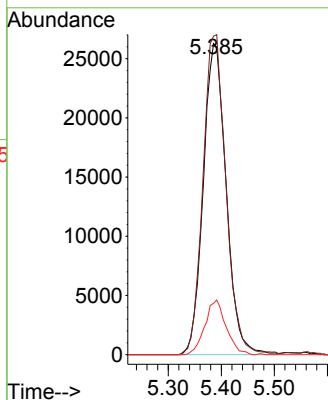
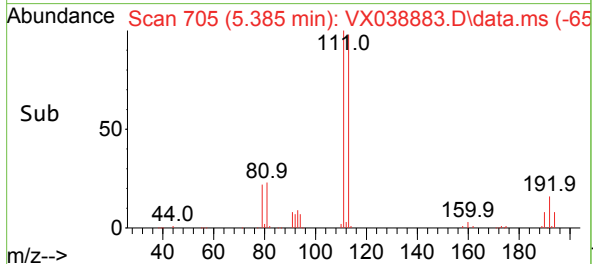


#35  
Dibromofluoromethane  
Concen: 44.491 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

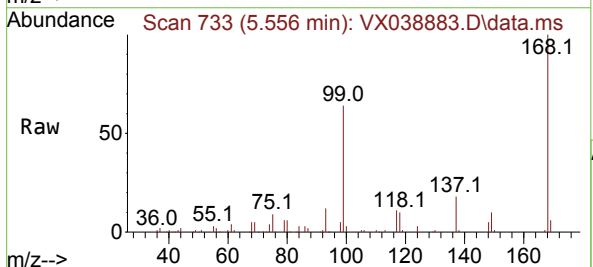
Instrument :  
MSVOA\_X  
ClientSampleId :



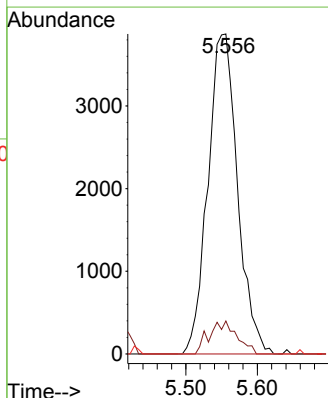
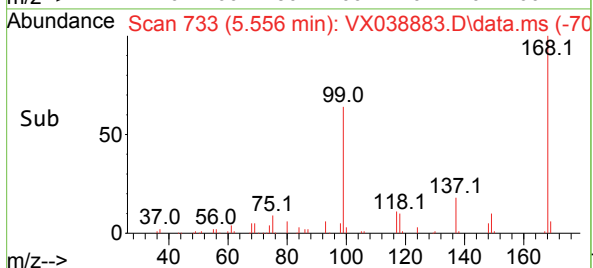
Tgt Ion:113 Resp: 78903  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.9 124.3  
192 16.3 13.3 19.9

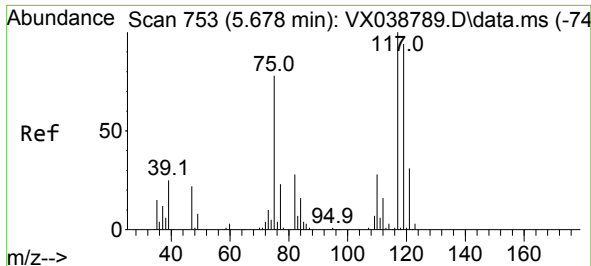


#36  
1,1-Dichloropropene  
Concen: 4.380 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.134 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15



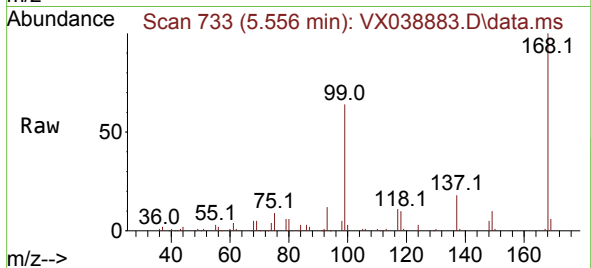
Tgt Ion: 75 Resp: 11134  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#



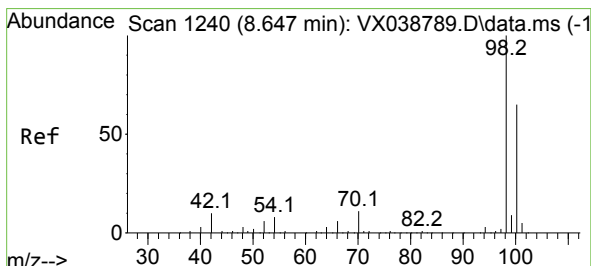
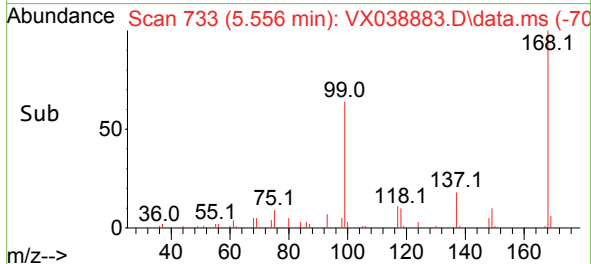
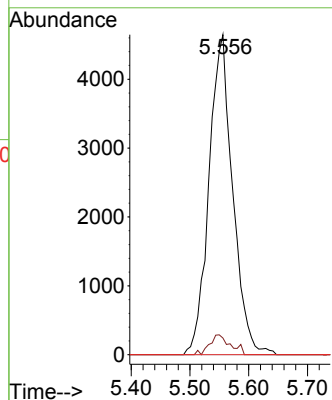


#38  
Carbon Tetrachloride  
Concen: 5.547 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Instrument :  
MSVOA\_X  
ClientSampleId :

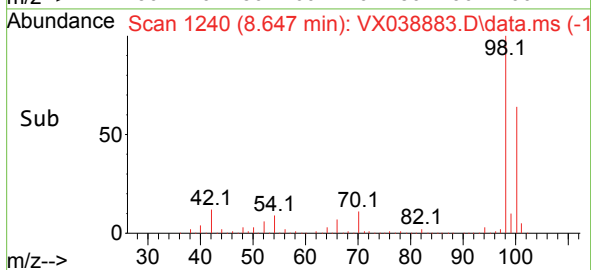
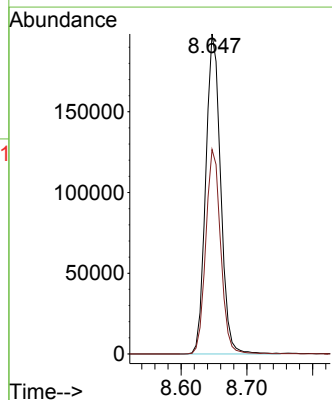
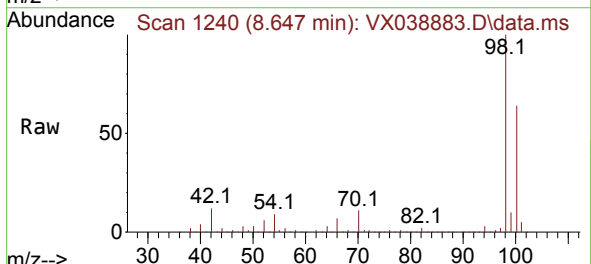


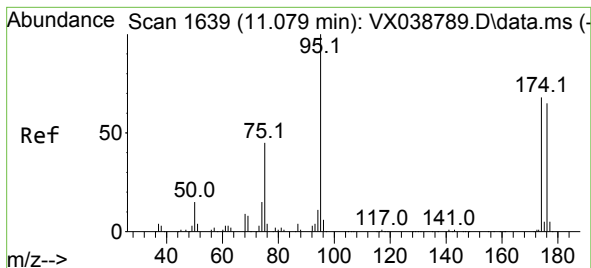
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Ion Ratio Lower Upper  
117 100  
119 5.2 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 46.056 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Tgt Ion: 98 Resp: 312504  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7

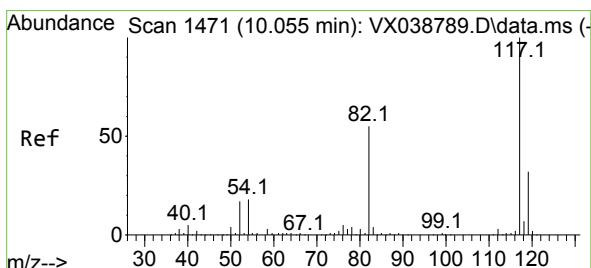
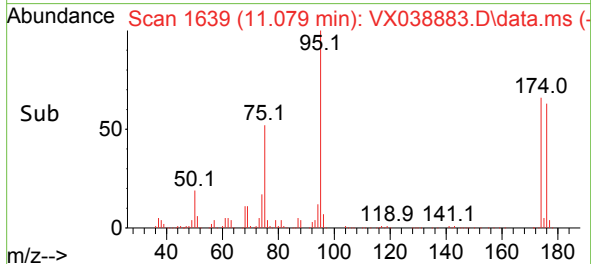
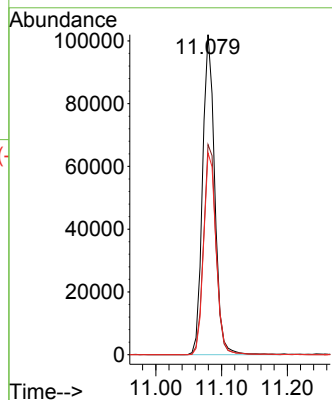
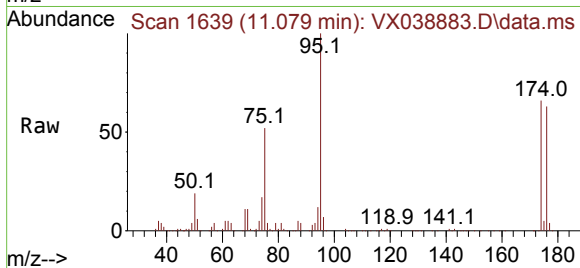




#62  
4-Bromofluorobenzene  
Concen: 48.299 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

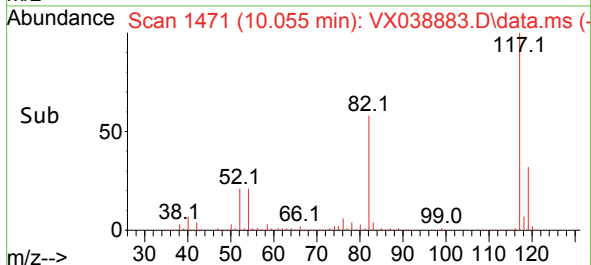
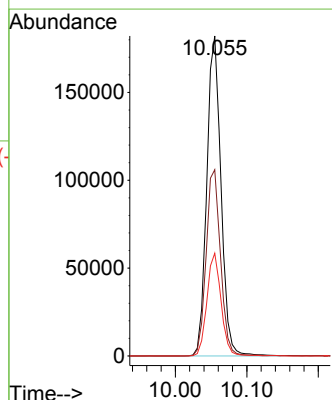
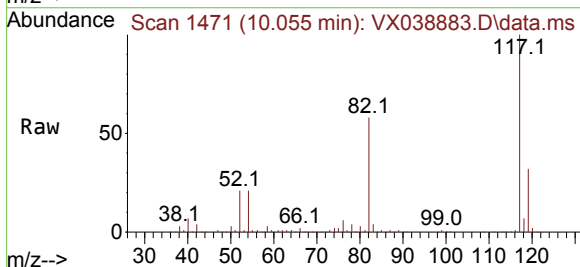
Instrument :  
MSVOA\_X  
ClientSampleId :

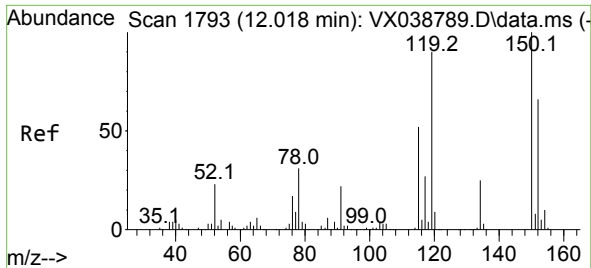
Tgt Ion: 95 Resp: 131190  
Ion Ratio Lower Upper  
95 100  
174 66.8 0.0 135.6  
176 65.2 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038883.D  
Acq: 17 Nov 2023 16:15

Tgt Ion: 117 Resp: 251358  
Ion Ratio Lower Upper  
117 100  
82 58.2 46.2 69.4  
119 32.1 25.5 38.3

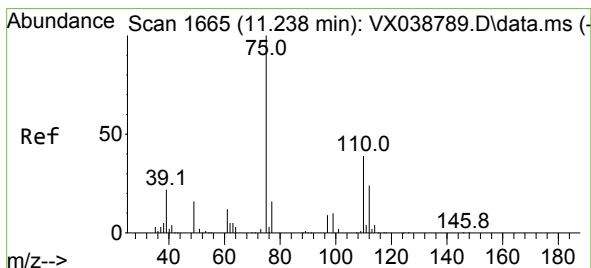
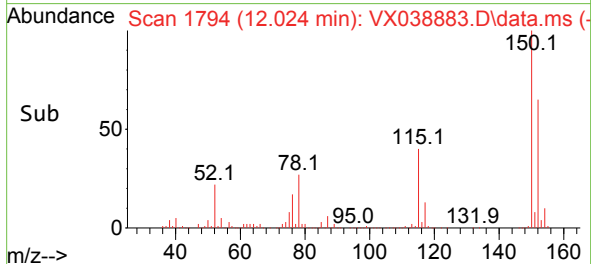
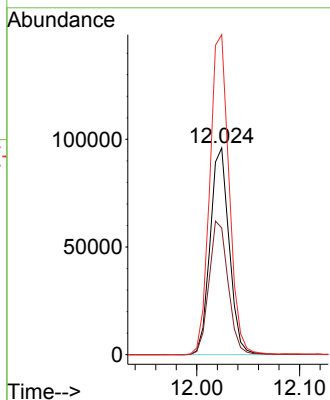
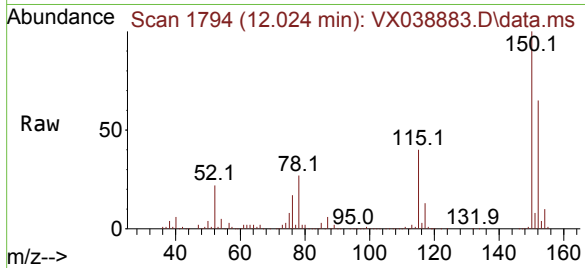




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX038883.D  
 Acq: 17 Nov 2023 16:15

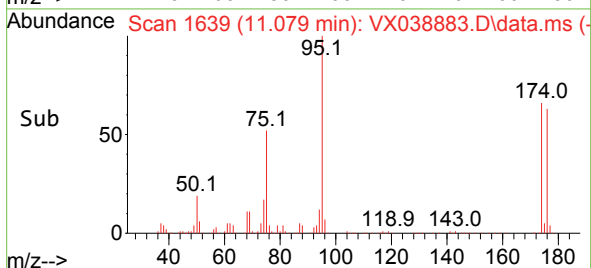
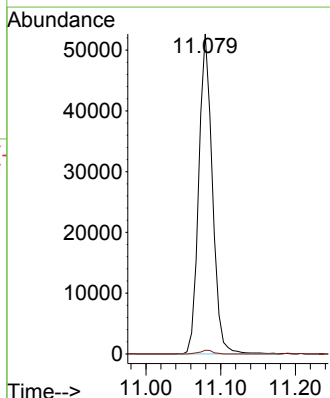
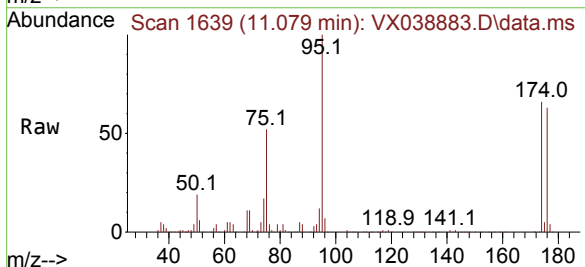
Instrument :  
 MSVOA\_X  
 ClientSampleId :

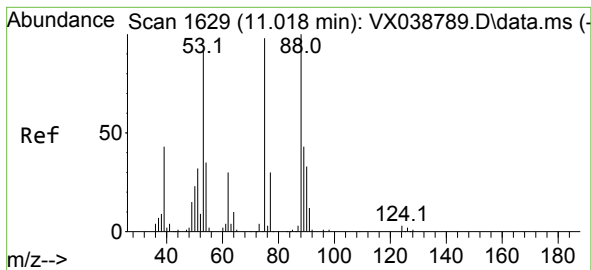
Tgt Ion:152 Resp: 123524  
 Ion Ratio Lower Upper  
 152 100  
 115 65.0 43.3 129.9  
 150 157.7 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 21.570 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX038883.D  
 Acq: 17 Nov 2023 16:15

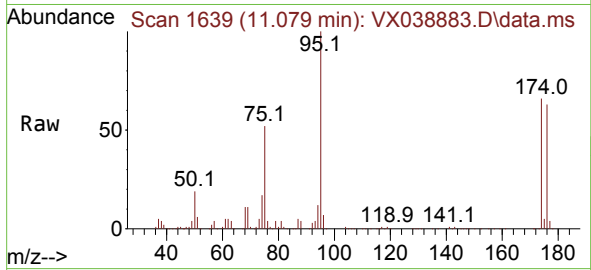
Tgt Ion: 75 Resp: 66476  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 47.844 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX038883.D  
 Acq: 17 Nov 2023 16:15

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 66476  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

