

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083023\  
 Data File : VX037410.D  
 Acq On : 31 Aug 2023 06:39  
 Operator : JC/MD  
 Sample : 04128-14 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 31 07:41:58 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

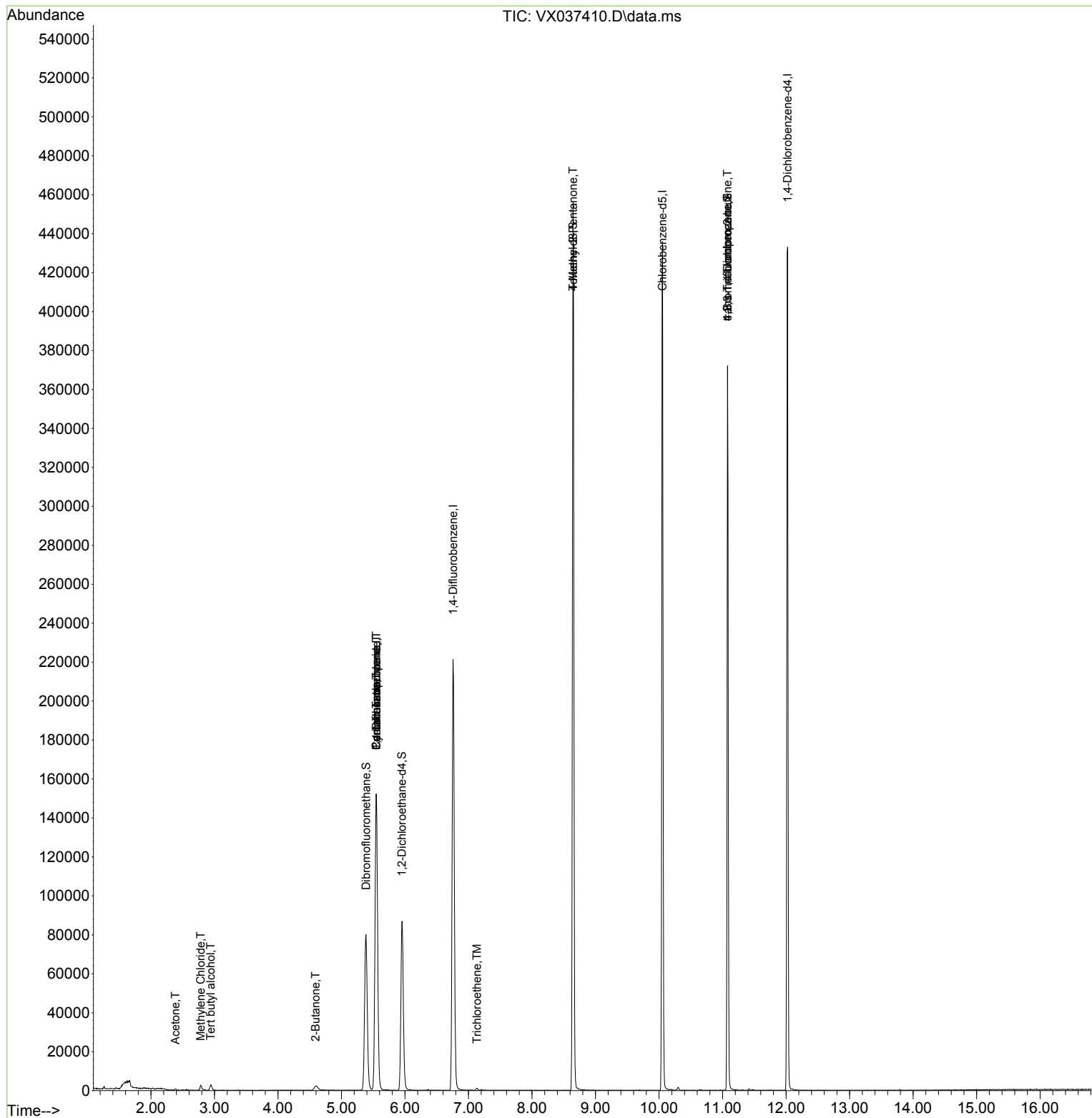
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 145561   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757  | 114   | 239491   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 213638   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 96711    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 87467    | 41.680   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 83.360%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 71882    | 45.320   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 90.640%  |
| 50) Toluene-d8                | 8.647  | 98    | 277618   | 48.253   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.500%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 103053   | 45.579   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 91.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.940  | 59    | 1824     | 3.705    | ug/l # | 78       |
| 16) Acetone                   | 2.386  | 43    | 774      | 0.943    | ug/l   | 97       |
| 20) Methylene Chloride        | 2.782  | 84    | 1573     | 0.857    | ug/l   | 92       |
| 25) 2-Butanone                | 4.593  | 43    | 330      | 0.267    | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56    | 2700     | 1.144    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11025    | 4.893    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 15351    | 6.271    | ug/l # | 15       |
| 44) Trichloroethene           | 7.135  | 130   | 450      | 0.246    | ug/l   | 78       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 954      | 0.430    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50522    | 24.530   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50522    | 68.513   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

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

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Sample : 04128-14 20X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

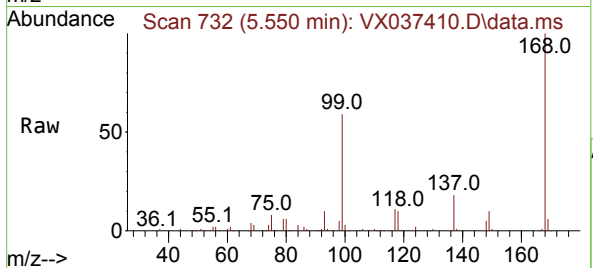
Quant Time: Aug 31 07:41:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



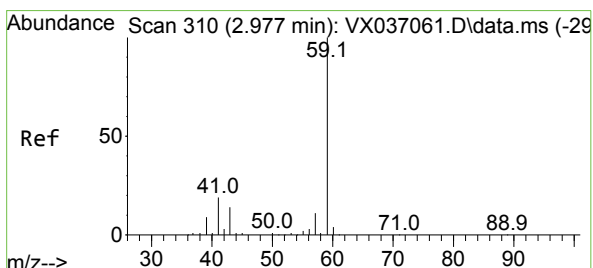
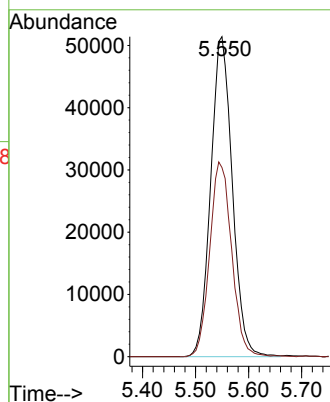
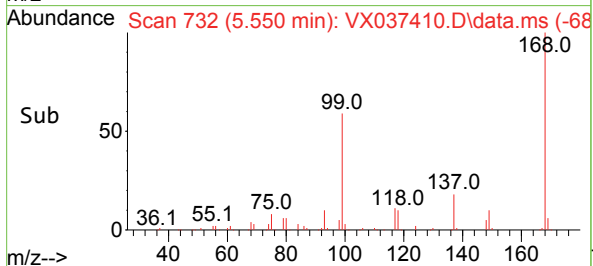


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :

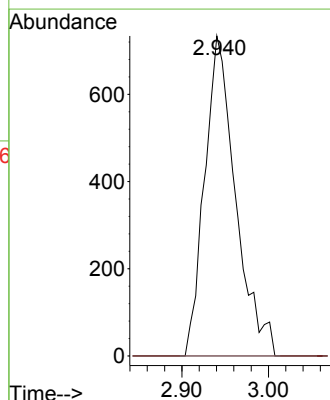
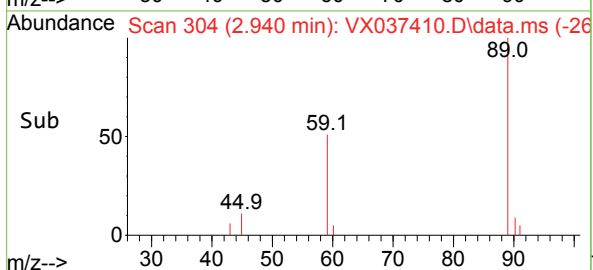
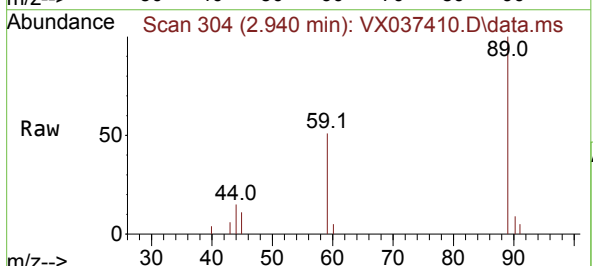


Tgt Ion:168 Resp: 145561  
Ion Ratio Lower Upper  
168 100  
99 59.1 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 3.705 ug/l  
RT: 2.940 min Scan# 304  
Delta R.T. -0.037 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Tgt Ion: 59 Resp: 1824  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

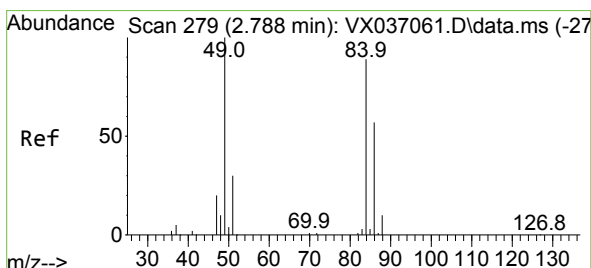
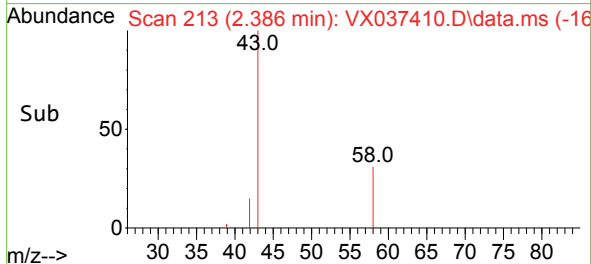
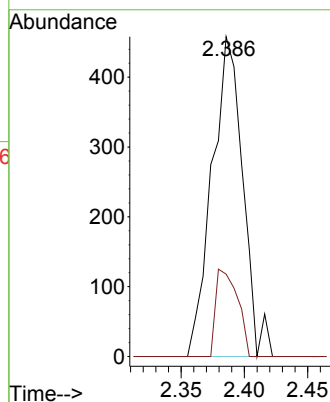
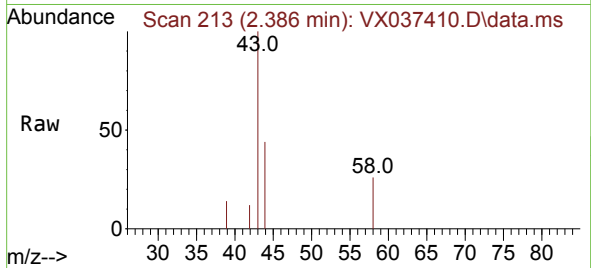




#16  
Acetone  
Concen: 0.943 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

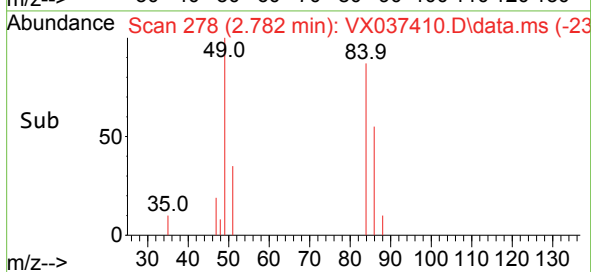
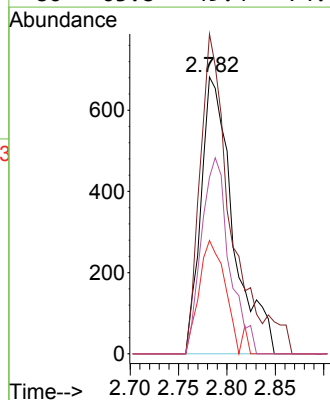
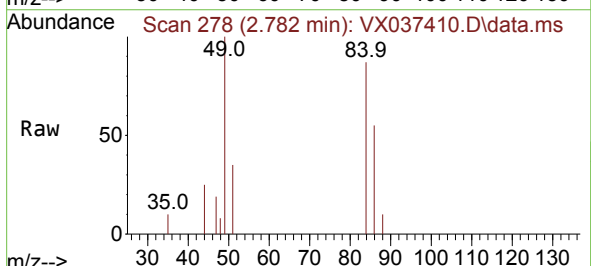
Instrument :  
MSVOA\_X  
ClientSampleId :

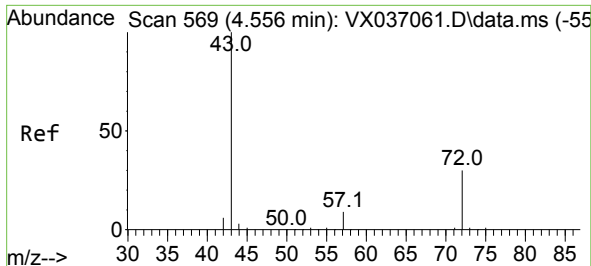
Tgt Ion: 43 Resp: 774  
Ion Ratio Lower Upper  
43 100  
58 25.8 21.9 32.9



#20  
Methylene Chloride  
Concen: 0.857 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.006 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Tgt Ion: 84 Resp: 1573  
Ion Ratio Lower Upper  
84 100  
49 115.5 103.6 155.4  
51 40.9 33.8 50.6  
86 63.8 49.4 74.0

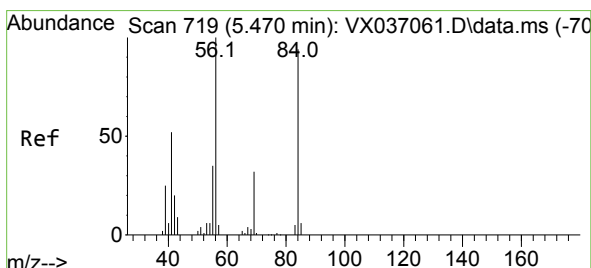
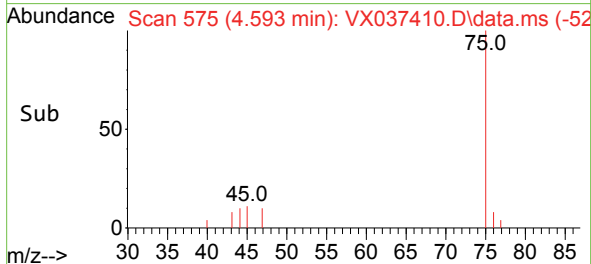
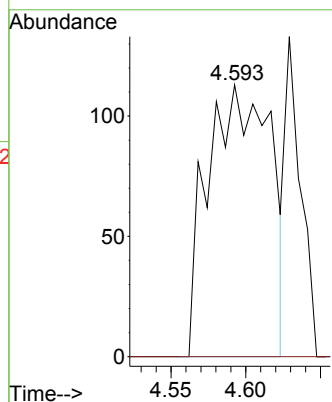
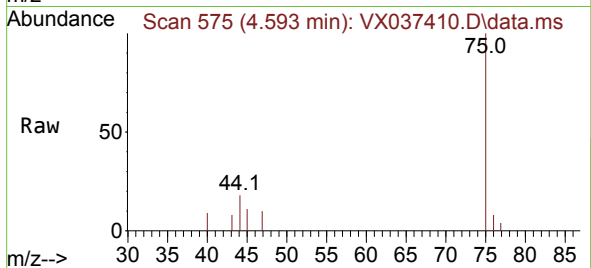




#25  
2-Butanone  
Concen: 0.267 ug/l  
RT: 4.593 min Scan# 51  
Delta R.T. 0.036 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

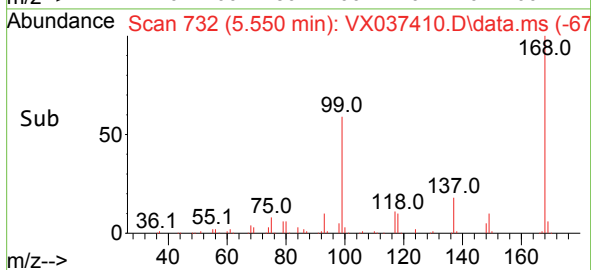
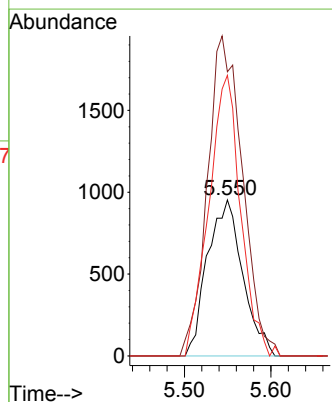
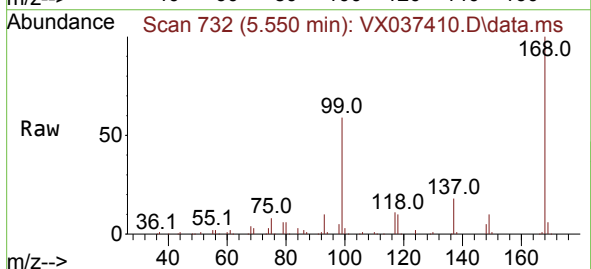
Instrument :  
MSVOA\_X  
ClientSampleId :

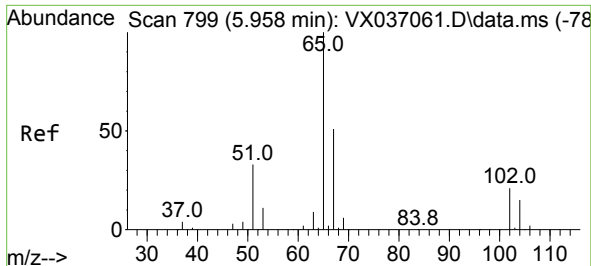
Tgt Ion: 43 Resp: 330  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



#31  
Cyclohexane  
Concen: 1.144 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.079 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Tgt Ion: 56 Resp: 2700  
Ion Ratio Lower Upper  
56 100  
69 182.2 23.4 35.2#  
84 180.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 41.680 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037410.D

Acq: 31 Aug 2023 06:39

Instrument :

MSVOA\_X

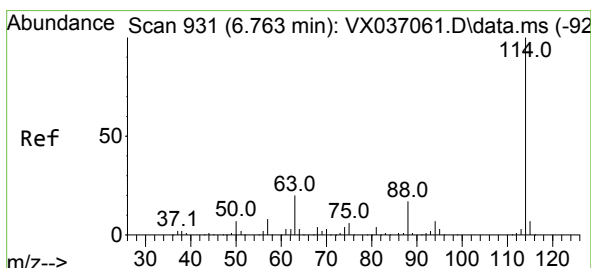
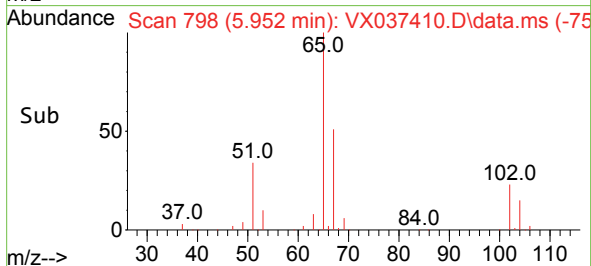
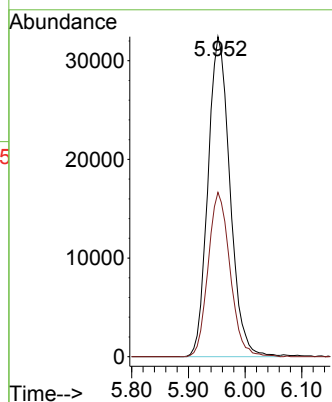
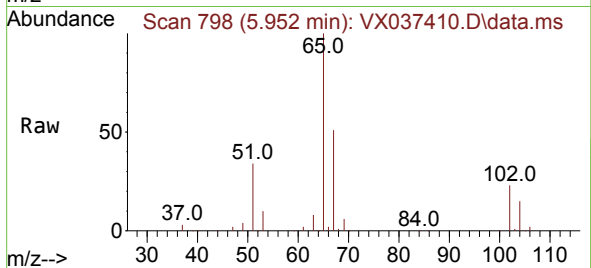
ClientSampleId :

Tgt Ion: 65 Resp: 87467

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037410.D

Acq: 31 Aug 2023 06:39

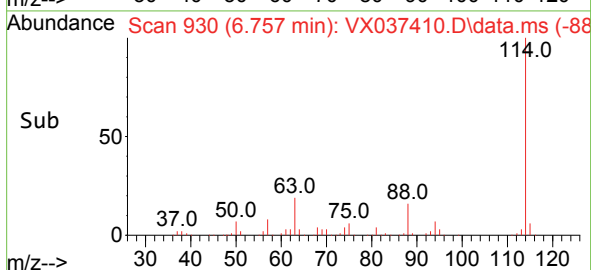
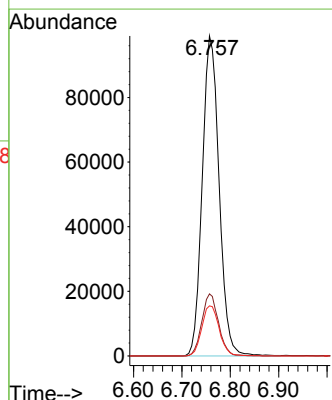
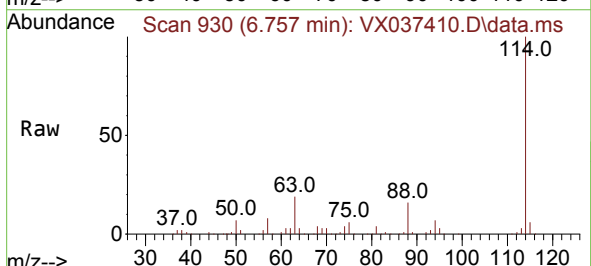
Tgt Ion: 114 Resp: 239491

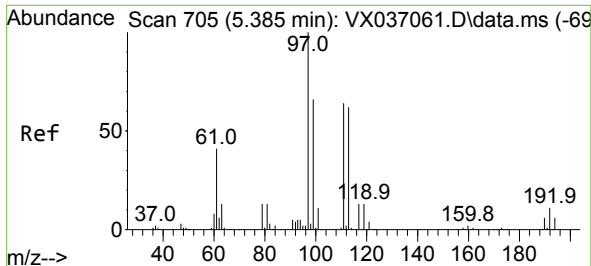
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

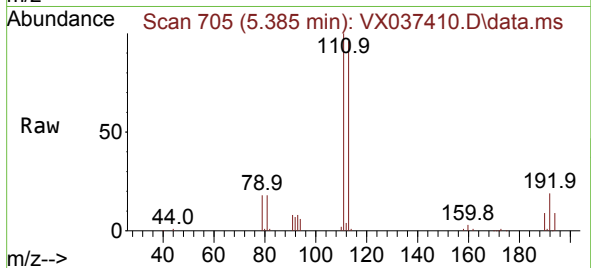
88 15.6 0.0 36.6



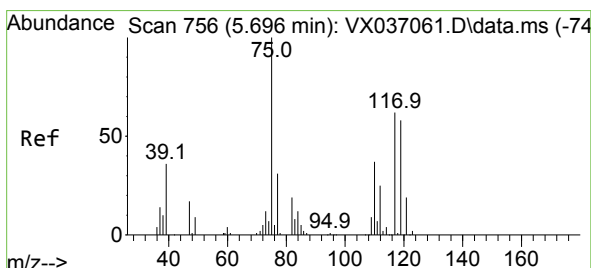
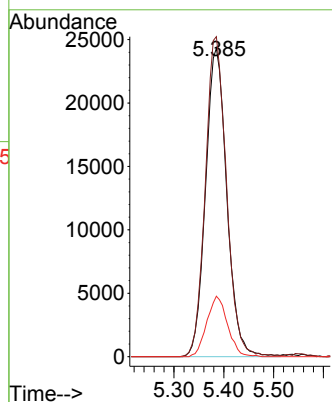
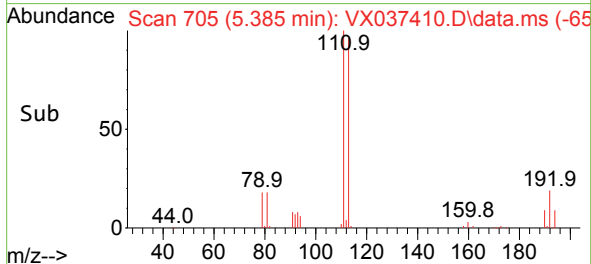


#35  
Dibromofluoromethane  
Concen: 45.320 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :

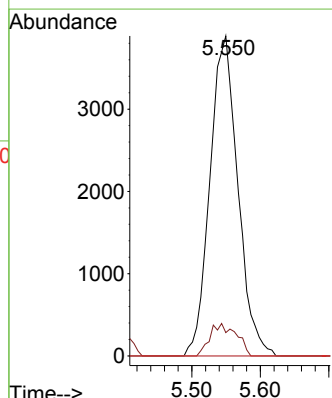
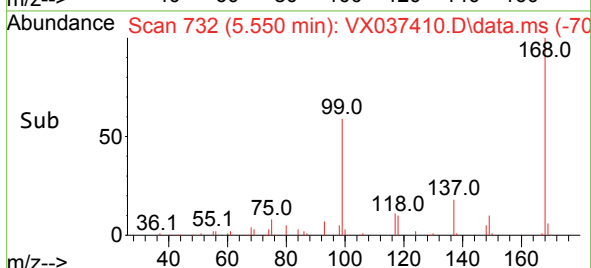
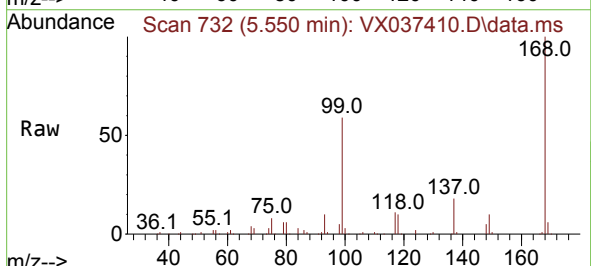


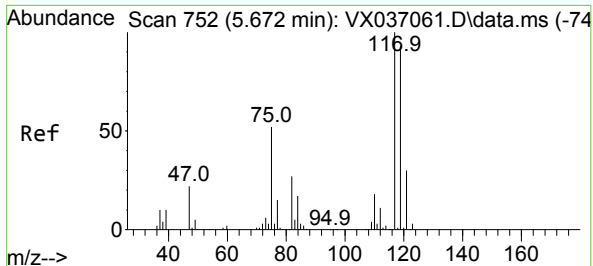
Tgt Ion:113 Resp: 71882  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.9 124.3  
192 19.2 13.3 19.9



#36  
1,1-Dichloropropene  
Concen: 4.893 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

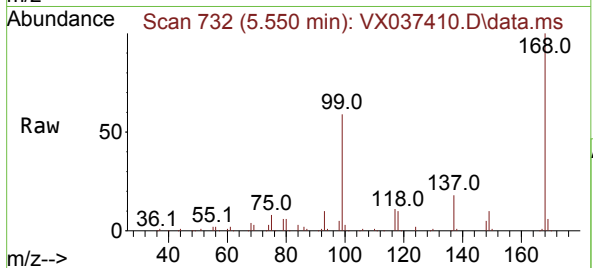
Tgt Ion: 75 Resp: 11025  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.0 50.9#  
77 0.0 24.7 37.1#



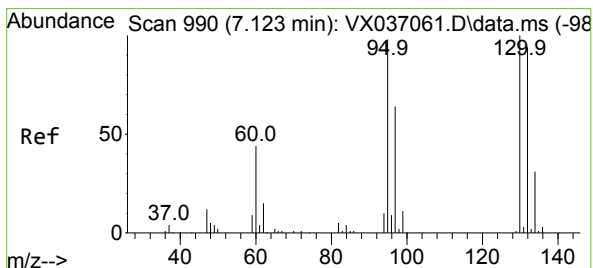
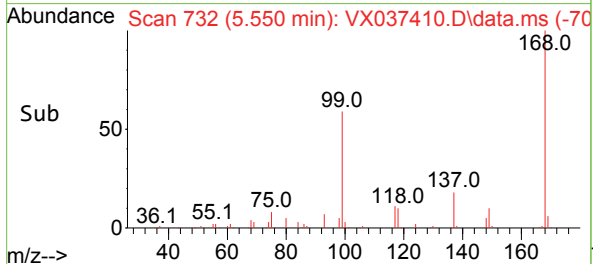
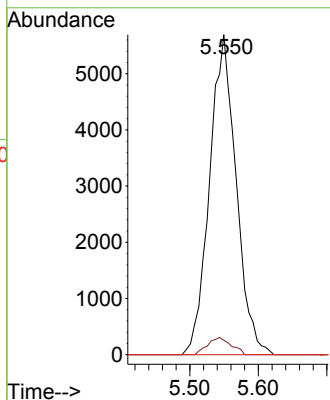


#38  
Carbon Tetrachloride  
Concen: 6.271 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Instrument :  
MSVOA\_X  
ClientSampleId :

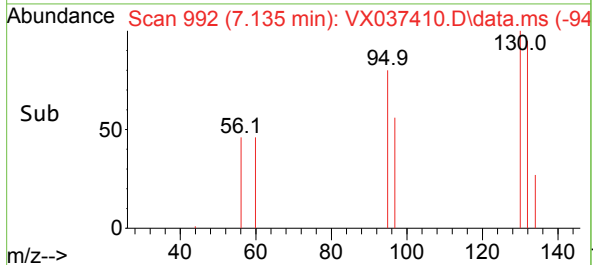
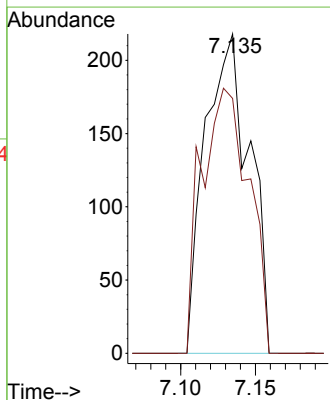
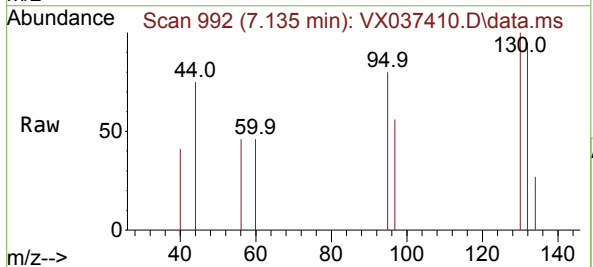


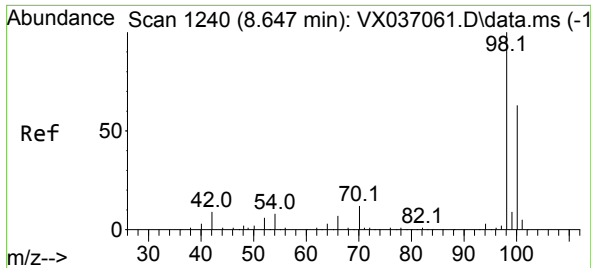
Tgt Ion:117 Resp: 15351  
Ion Ratio Lower Upper  
117 100  
119 4.5 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 0.246 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Tgt Ion:130 Resp: 450  
Ion Ratio Lower Upper  
130 100  
95 79.8 0.0 204.4

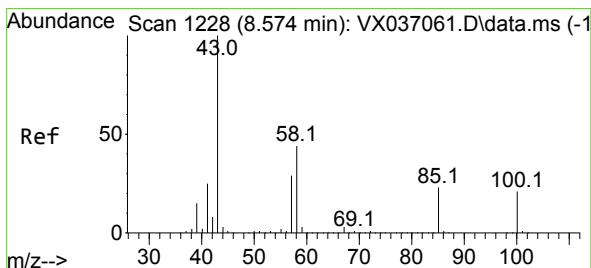
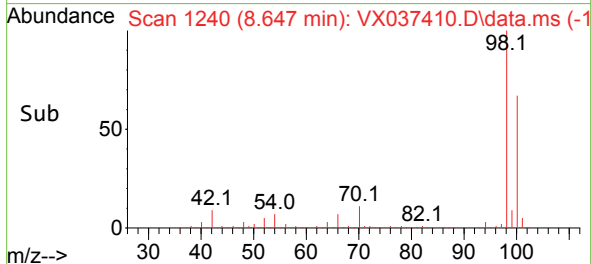
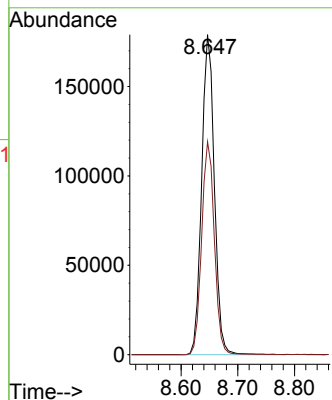
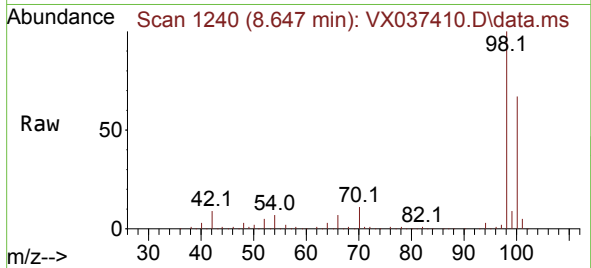




#50  
Toluene-d8  
Concen: 48.253 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

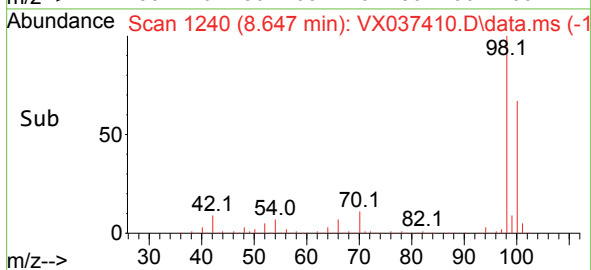
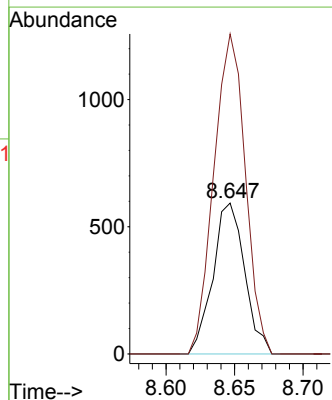
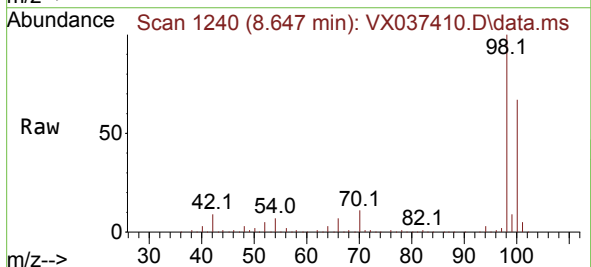
Instrument :  
MSVOA\_X  
ClientSampleId :

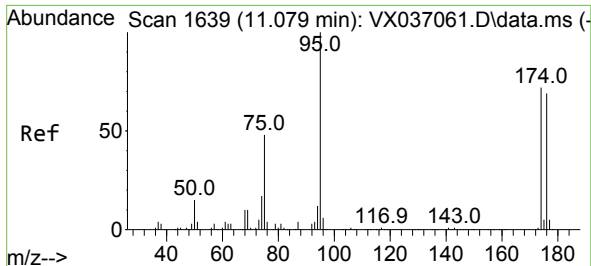
Tgt Ion: 98 Resp: 277618  
Ion Ratio Lower Upper  
98 100  
100 66.8 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.430 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

Tgt Ion: 43 Resp: 954  
Ion Ratio Lower Upper  
43 100  
58 210.7 30.4 45.6#

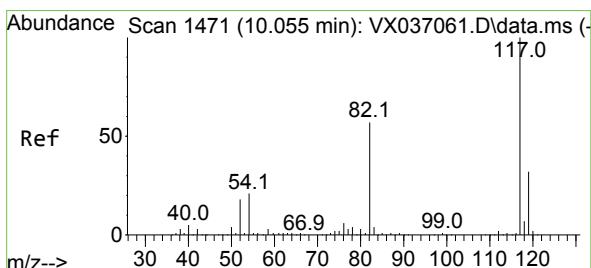
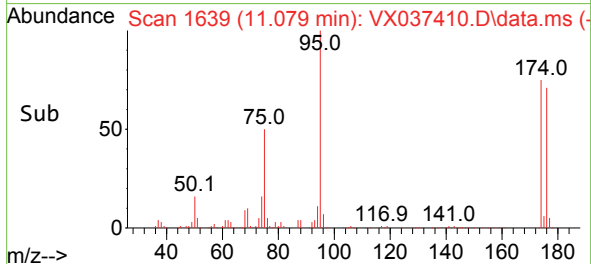
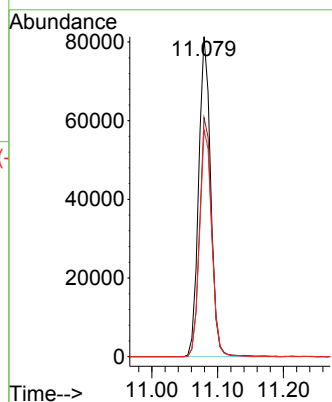
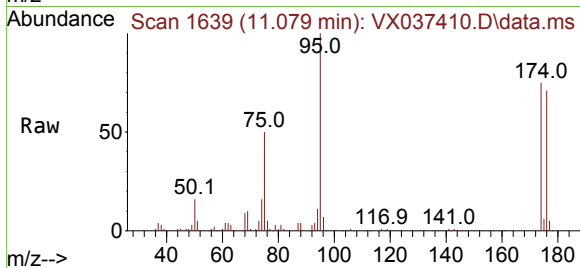




#62  
4-Bromofluorobenzene  
Concen: 45.579 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

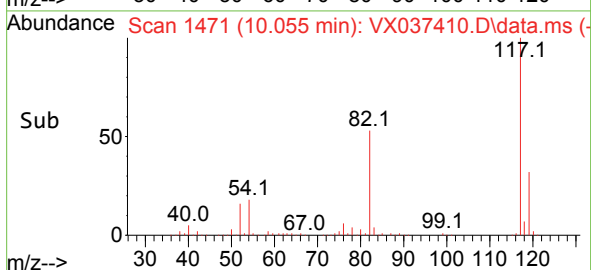
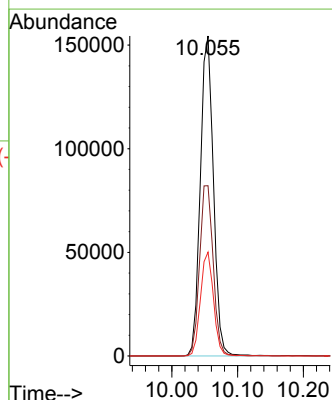
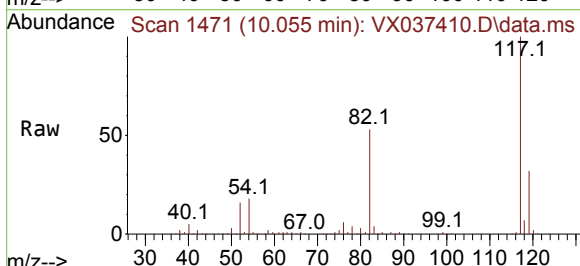
Instrument :  
MSVOA\_X  
ClientSampleId :

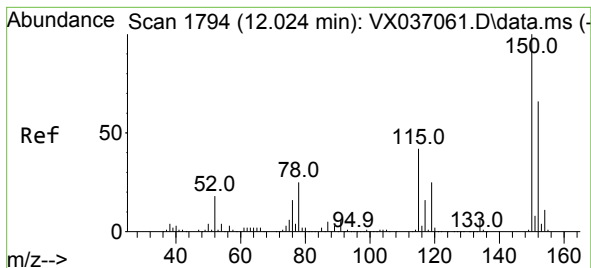
Tgt Ion: 95 Resp: 103053  
Ion Ratio Lower Upper  
95 100  
174 75.6 0.0 135.6  
176 72.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037410.D  
Acq: 31 Aug 2023 06:39

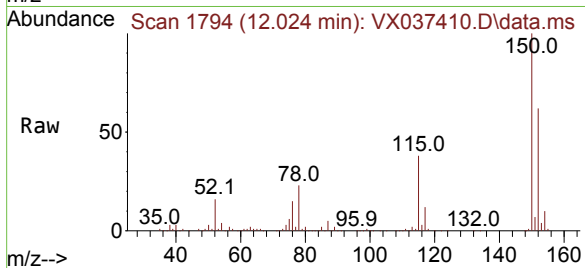
Tgt Ion: 117 Resp: 213638  
Ion Ratio Lower Upper  
117 100  
82 53.2 46.2 69.4  
119 32.5 25.5 38.3



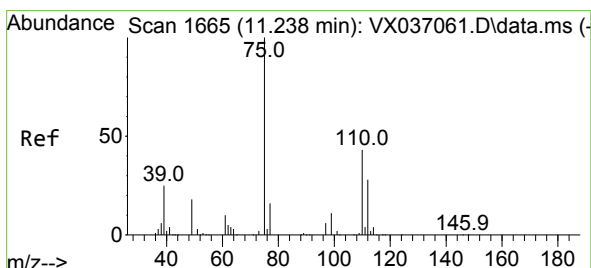
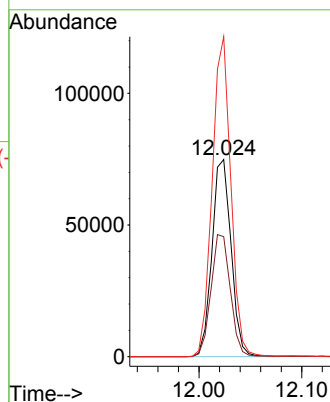
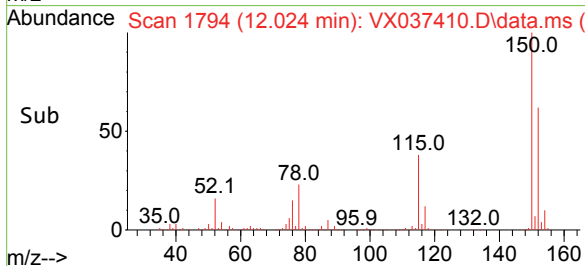


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX037410.D  
 Acq: 31 Aug 2023 06:39

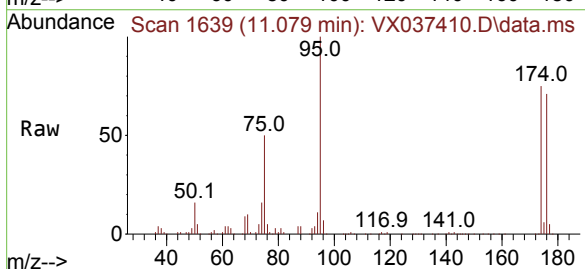
Instrument :  
 MSVOA\_X  
 ClientSampleId :



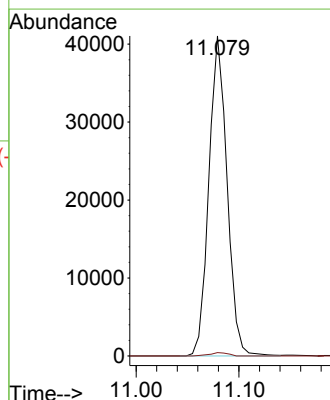
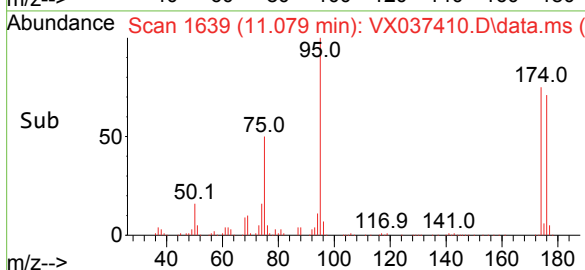
Tgt Ion:152 Resp: 96711  
 Ion Ratio Lower Upper  
 152 100  
 115 62.9 43.3 129.9  
 150 157.8 0.0 345.0

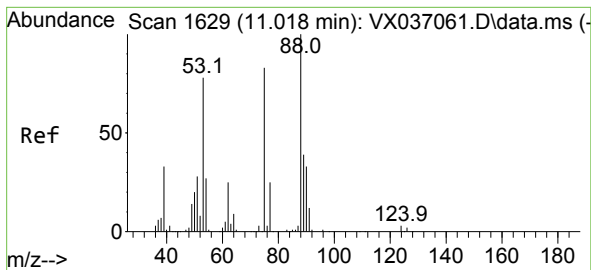


#76  
 1,2,3-Trichloropropane  
 Concen: 24.530 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX037410.D  
 Acq: 31 Aug 2023 06:39



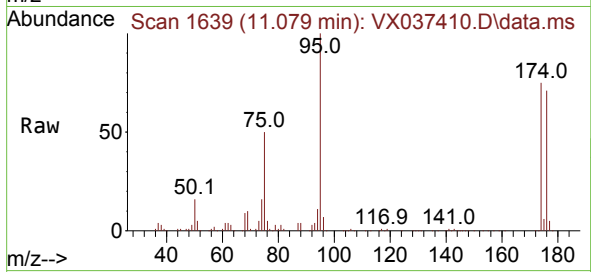
Tgt Ion: 75 Resp: 50522  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 68.513 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037410.D  
 Acq: 31 Aug 2023 06:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 50522  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

