

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083123\  
 Data File : VX037434.D  
 Acq On : 31 Aug 2023 16:42  
 Operator : JC/MD  
 Sample : 04150-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 01 03:14:04 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

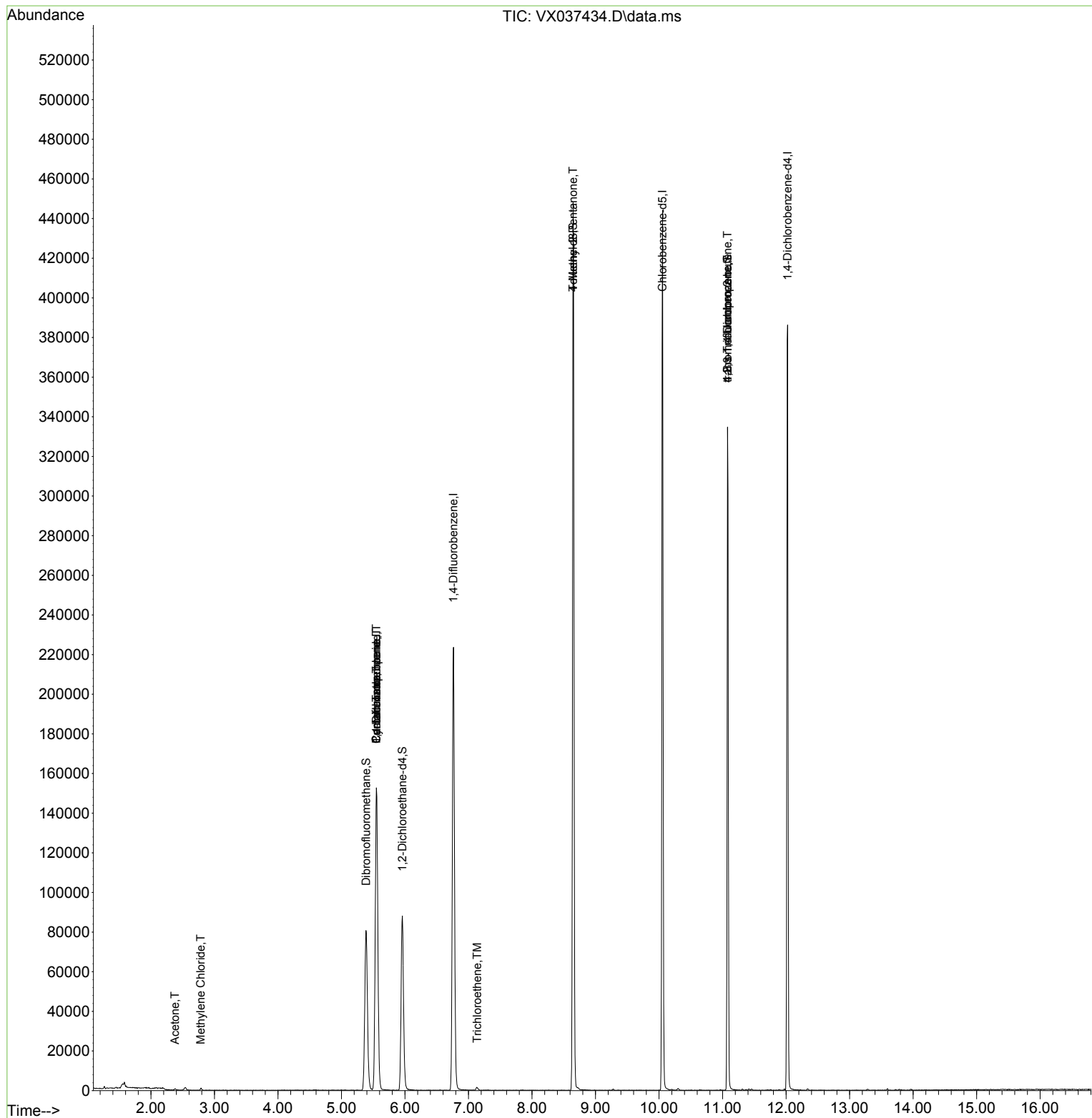
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 144093   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 236690   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 205018   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 85839    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 88214    | 42.465   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 84.920%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 72347    | 46.153   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.300%  |
| 50) Toluene-d8                | 8.646  | 98    | 277213   | 48.753   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.500%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 95402    | 42.694   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 85.380%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 2.379  | 43    | 603      | 0.742    | ug/l   | 91       |
| 20) Methylene Chloride        | 2.782  | 84    | 446      | 0.245    | ug/l # | 73       |
| 31) Cyclohexane               | 5.549  | 56    | 2706     | 1.158    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.549  | 75    | 10998    | 4.938    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.549  | 117   | 15245    | 6.302    | ug/l # | 15       |
| 44) Trichloroethene           | 7.135  | 130   | 747      | 0.412    | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.646  | 43    | 1018     | 0.464    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 46731    | 25.563   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 46731    | 71.398   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

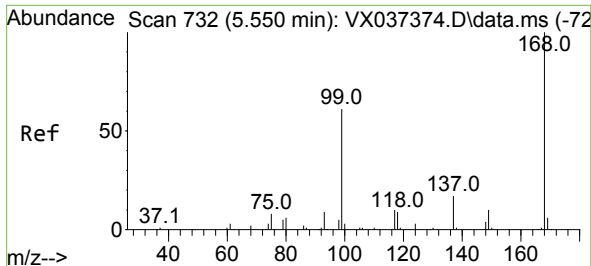
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

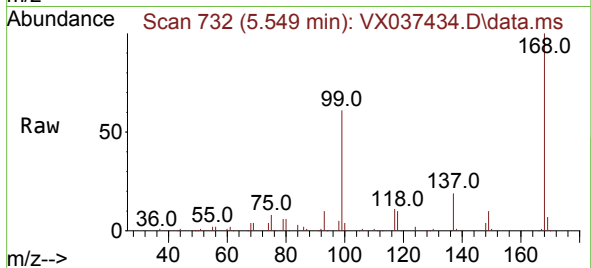
Quant Time: Sep 01 03:14:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration



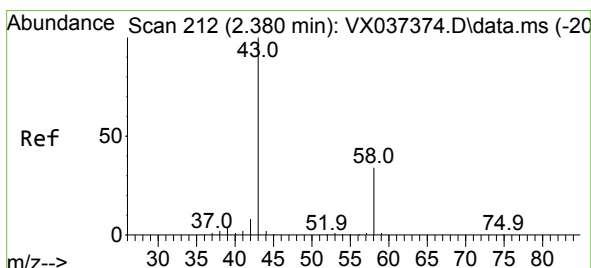
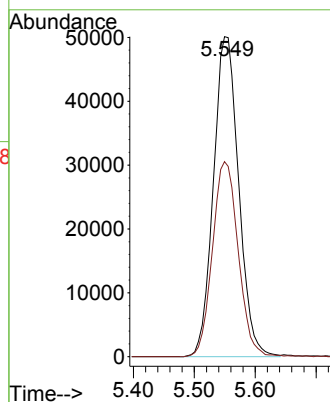
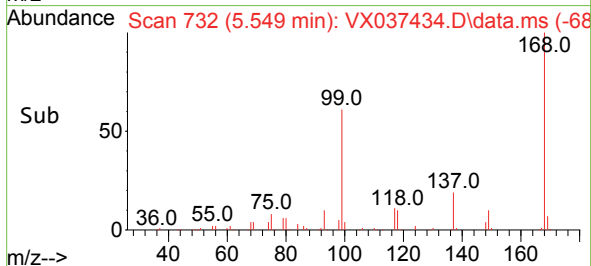


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.001 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Instrument :  
MSVOA\_X  
ClientSampleId :

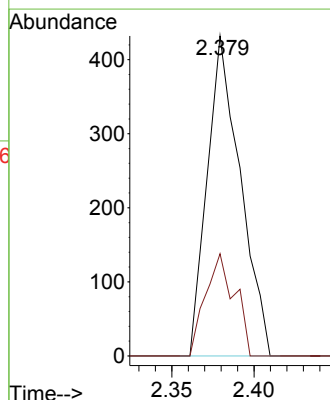
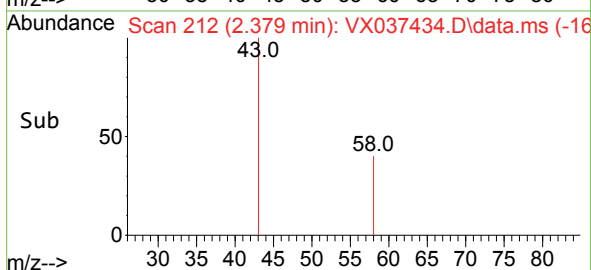
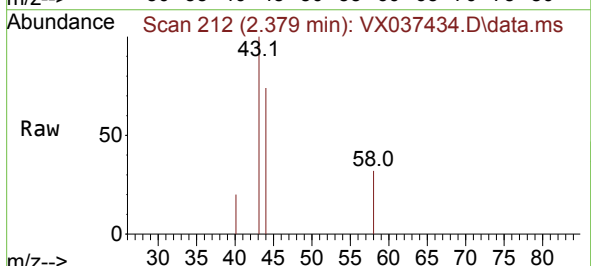


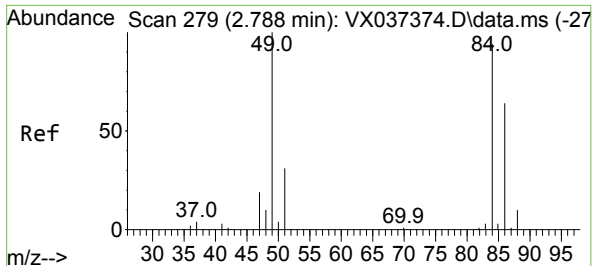
Tgt Ion:168 Resp: 144093  
Ion Ratio Lower Upper  
168 100  
99 61.0 56.6 85.0



#16  
Acetone  
Concen: 0.742 ug/l  
RT: 2.379 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Tgt Ion: 43 Resp: 603  
Ion Ratio Lower Upper  
43 100  
58 31.9 21.9 32.9





#20

Methylene Chloride

Concen: 0.245 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

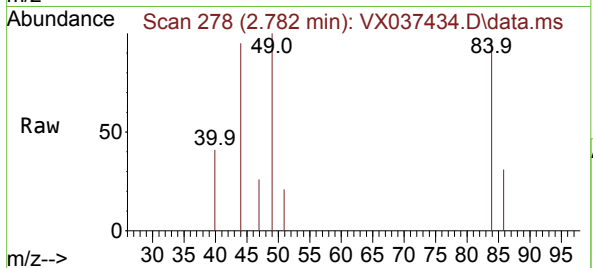
Lab File: VX037434.D

Acq: 31 Aug 2023 16:42

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 446

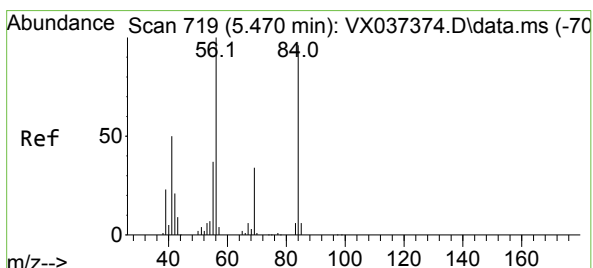
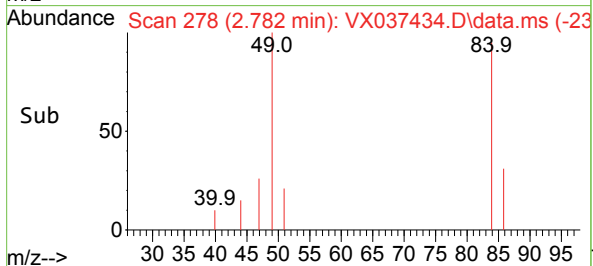
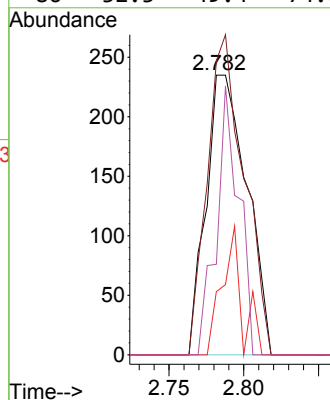
Ion Ratio Lower Upper

84 100

49 105.1 103.6 155.4

51 22.6 33.8 50.6#

86 32.3 49.4 74.0#



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037434.D

Acq: 31 Aug 2023 16:42

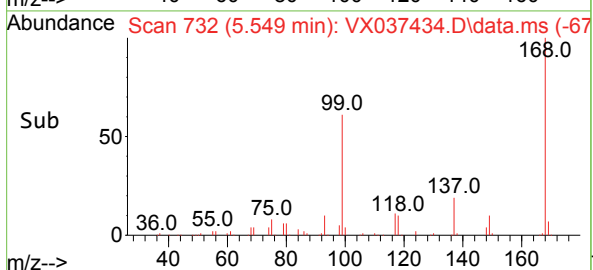
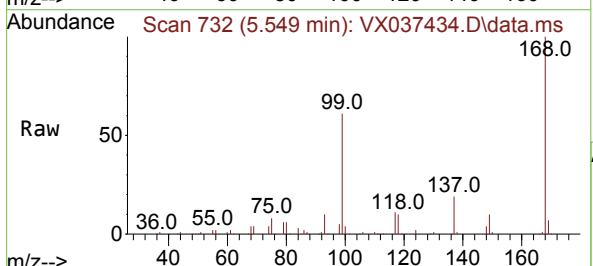
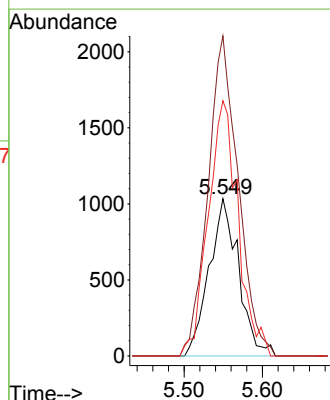
Tgt Ion: 56 Resp: 2706

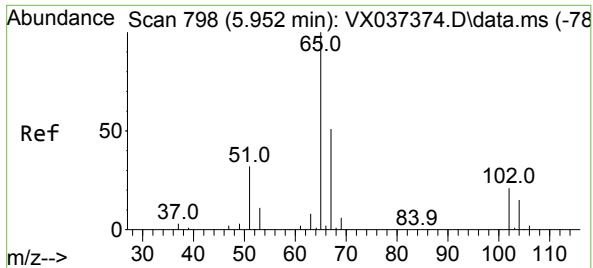
Ion Ratio Lower Upper

56 100

69 203.5 23.4 35.2#

84 162.3 65.9 98.9#

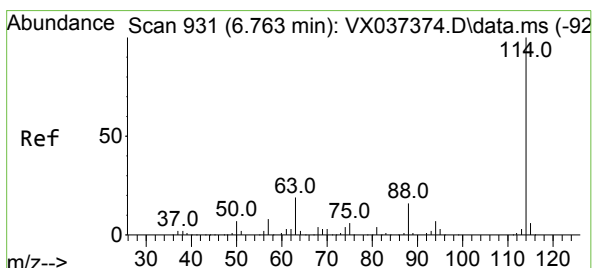
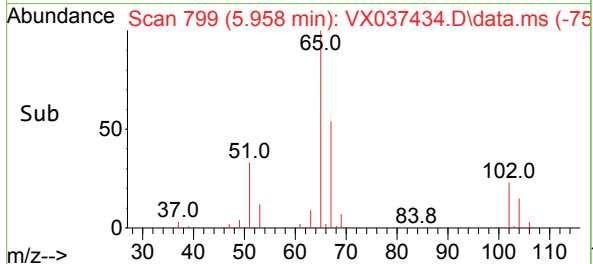
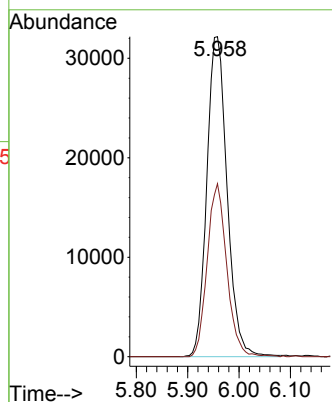
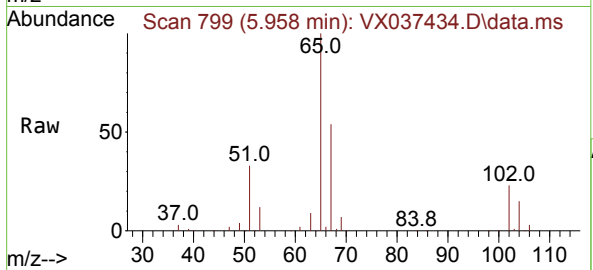




#33  
1,2-Dichloroethane-d4  
Concen: 42.465 ug/l  
RT: 5.958 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

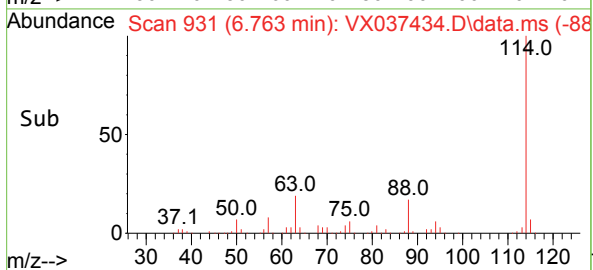
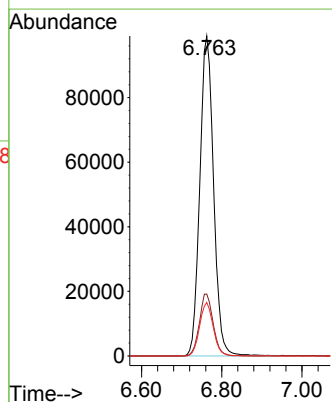
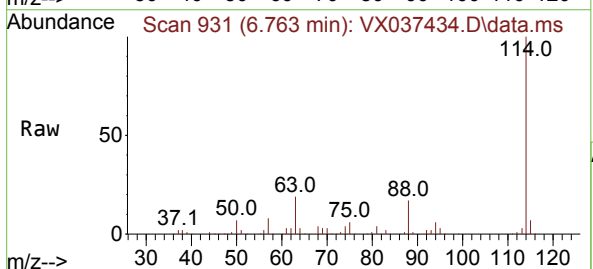
Instrument :  
MSVOA\_X  
ClientSampleId :

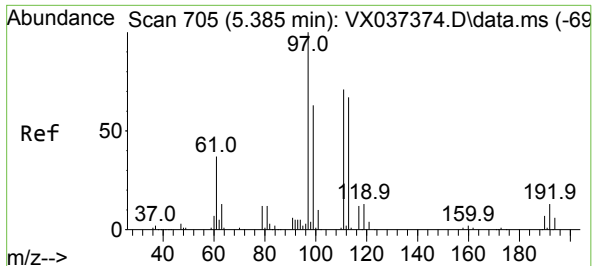
Tgt Ion: 65 Resp: 88214  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

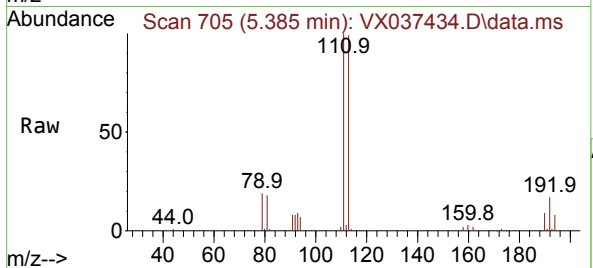
Tgt Ion: 114 Resp: 236690  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 45.0  
88 16.7 0.0 36.6



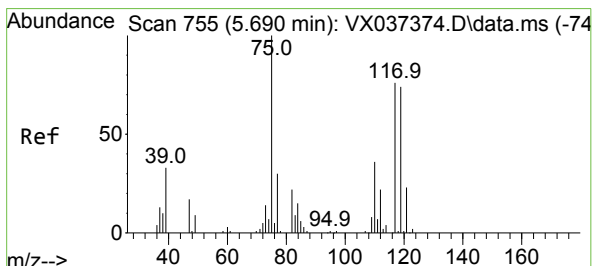
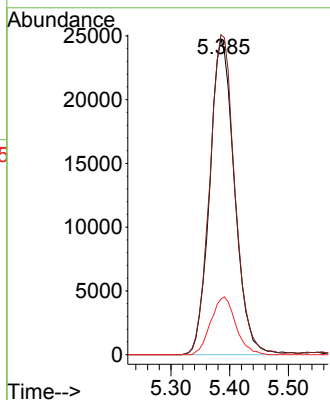
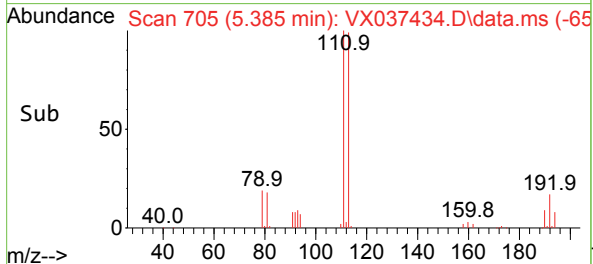


#35  
Dibromofluoromethane  
Concen: 46.153 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

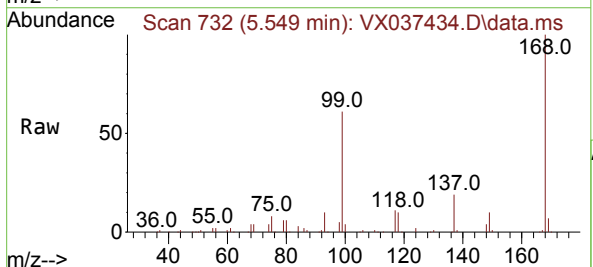
Instrument :  
MSVOA\_X  
ClientSampleId :



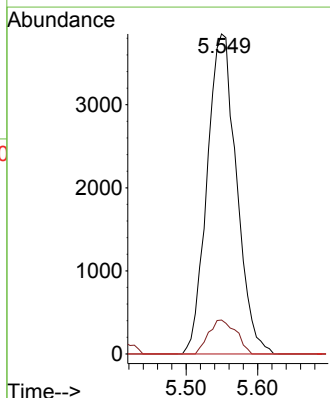
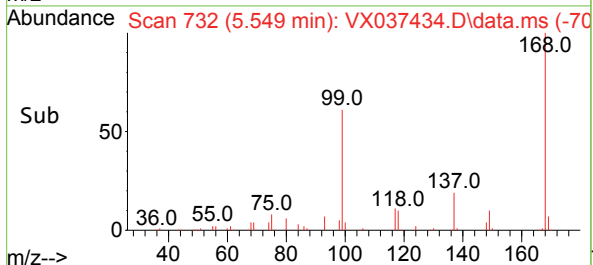
Tgt Ion:113 Resp: 72347  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.9 124.3  
192 18.4 13.3 19.9

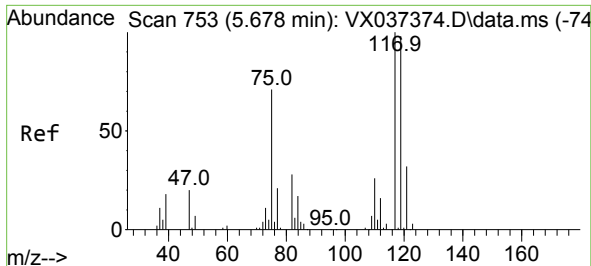


#36  
1,1-Dichloropropene  
Concen: 4.938 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.147 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42



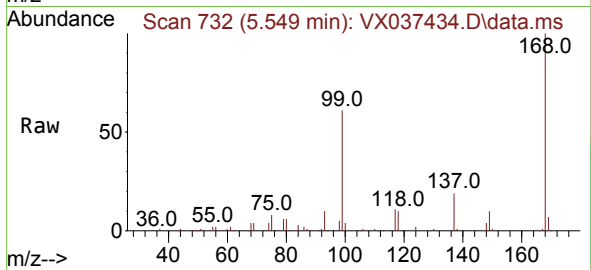
Tgt Ion: 75 Resp: 10998  
Ion Ratio Lower Upper  
75 100  
110 9.9 17.0 50.9#  
77 0.0 24.7 37.1#



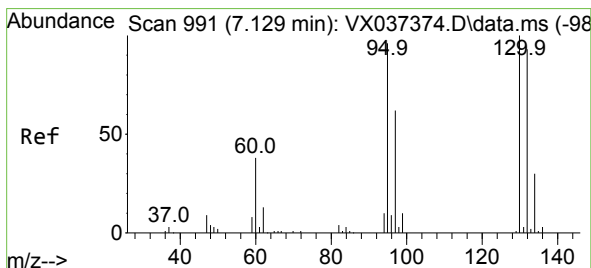
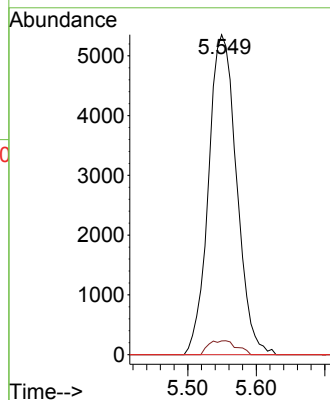
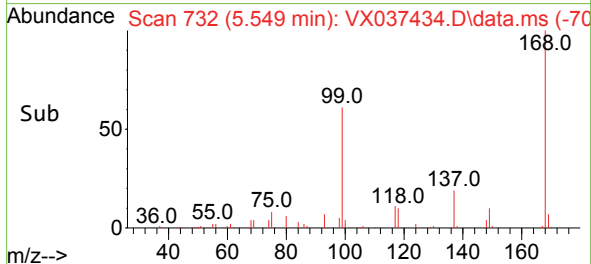


#38  
Carbon Tetrachloride  
Concen: 6.302 ug/l  
RT: 5.549 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Instrument :  
MSVOA\_X  
ClientSampleId :

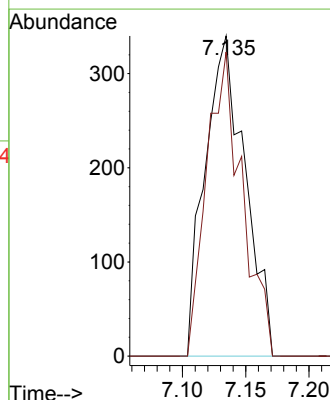
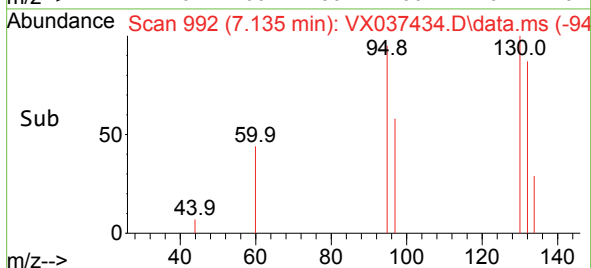
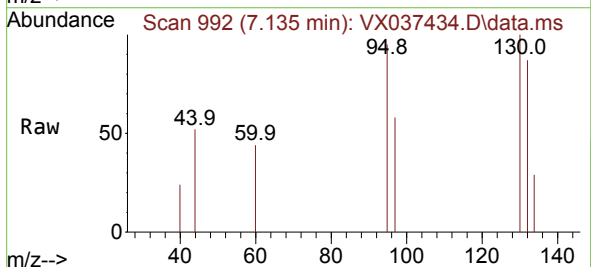


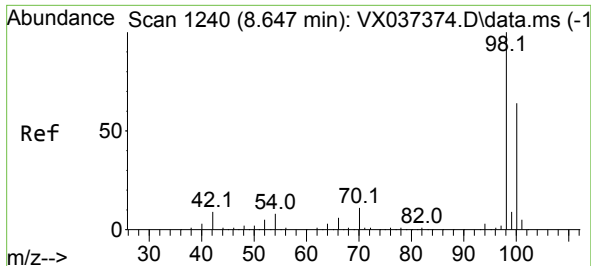
Tgt Ion:117 Resp: 15245  
Ion Ratio Lower Upper  
117 100  
119 4.3 78.2 117.2#  
121 0.0 24.4 36.6#



#44  
Trichloroethene  
Concen: 0.412 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Tgt Ion:130 Resp: 747  
Ion Ratio Lower Upper  
130 100  
95 95.0 0.0 204.4

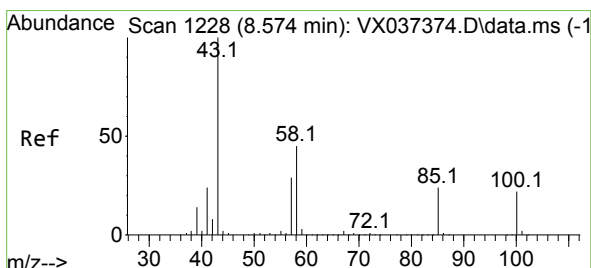
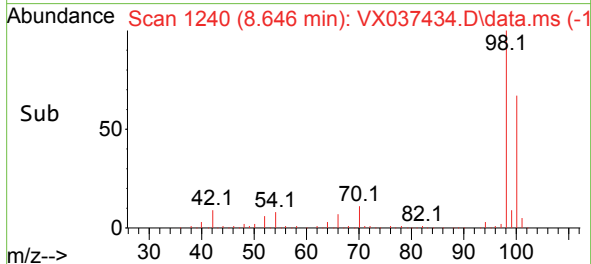
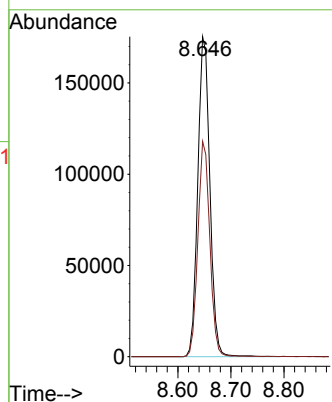
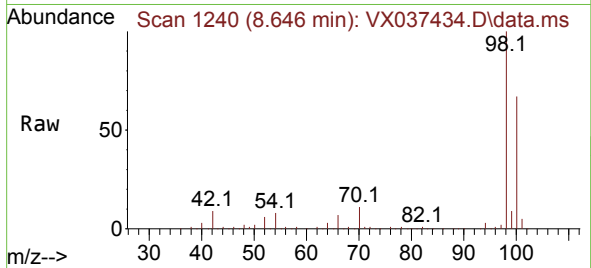




#50  
Toluene-d8  
Concen: 48.753 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

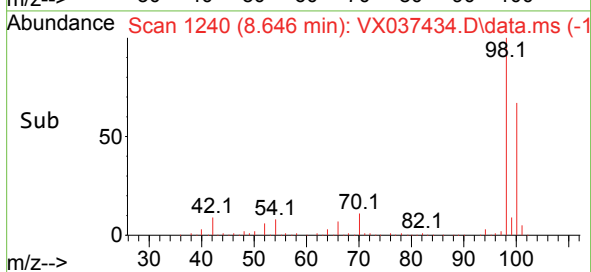
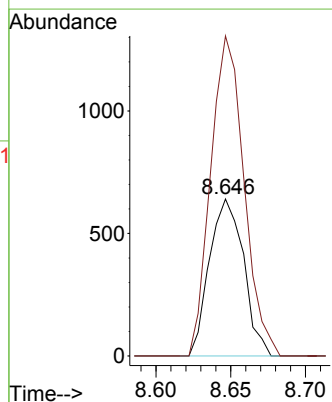
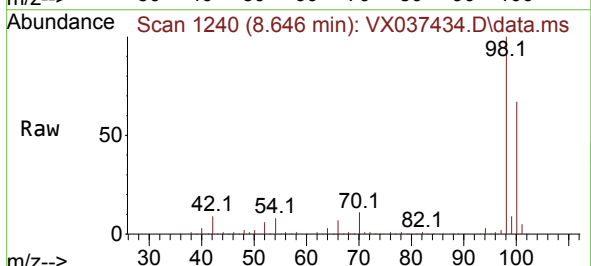
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 98 Resp: 277213  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.1 79.7

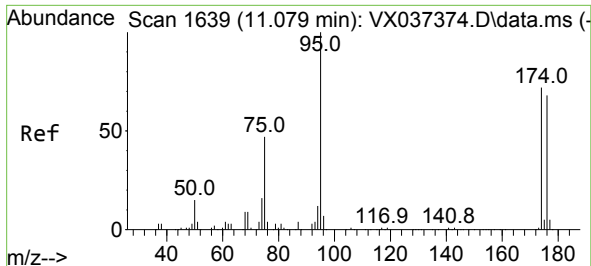


#51  
4-Methyl-2-Pentanone  
Concen: 0.464 ug/l  
RT: 8.646 min Scan# 1240  
Delta R.T. 0.073 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Tgt Ion: 43 Resp: 1018  
Ion Ratio Lower Upper  
43 100  
58 199.0 30.4 45.6#



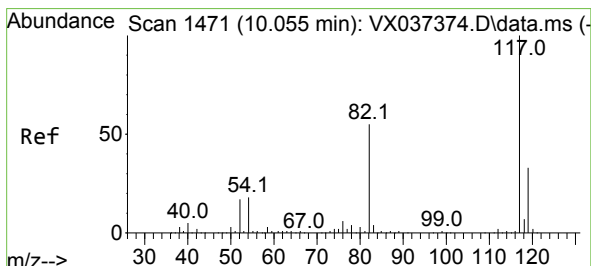
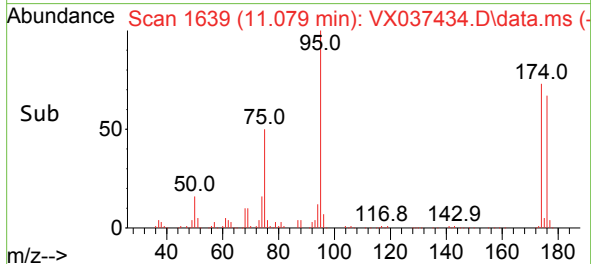
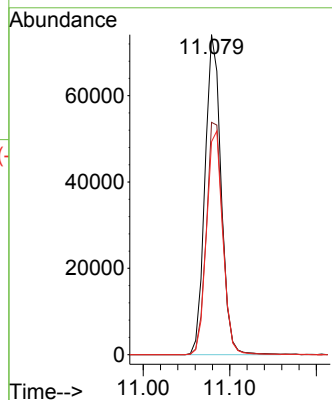
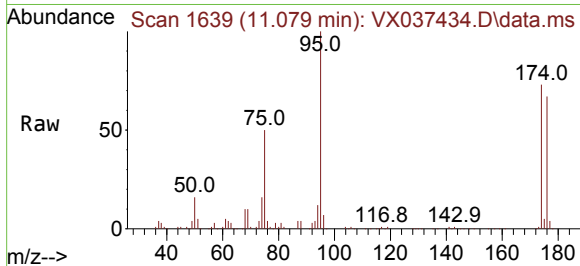




#62  
4-Bromofluorobenzene  
Concen: 42.694 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

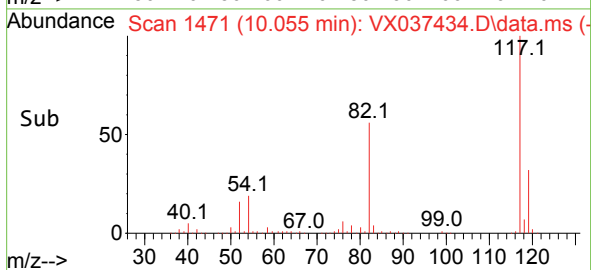
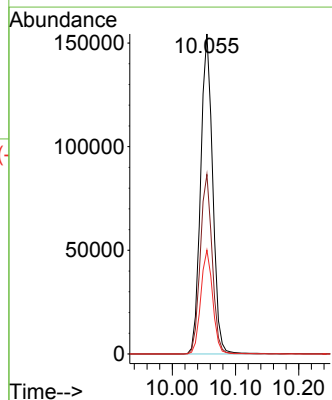
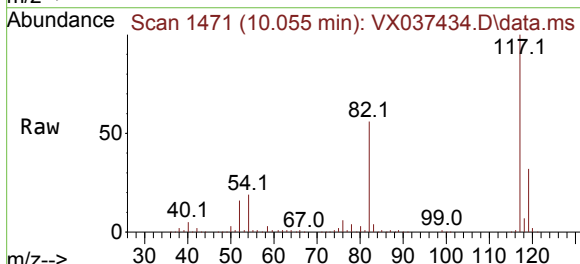
Instrument :  
MSVOA\_X  
ClientSampleId :

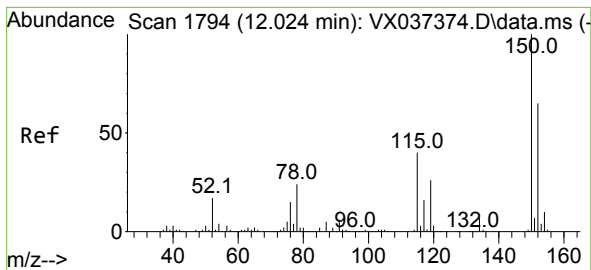
Tgt Ion: 95 Resp: 95402  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 135.6  
176 71.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037434.D  
Acq: 31 Aug 2023 16:42

Tgt Ion: 117 Resp: 205018  
Ion Ratio Lower Upper  
117 100  
82 56.1 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# 1

Delta R.T. -0.000 min

Lab File: VX037434.D

Acq: 31 Aug 2023 16:42

Instrument :

MSVOA\_X

ClientSampleId :

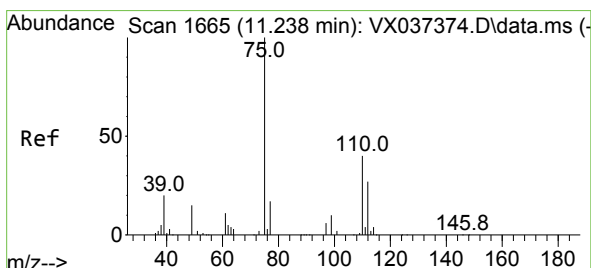
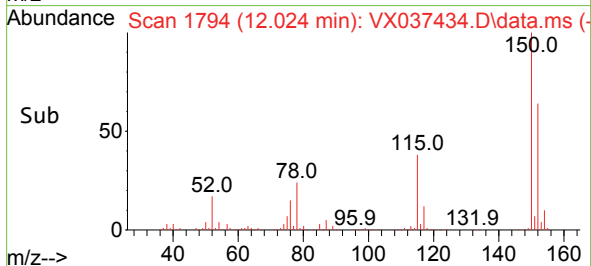
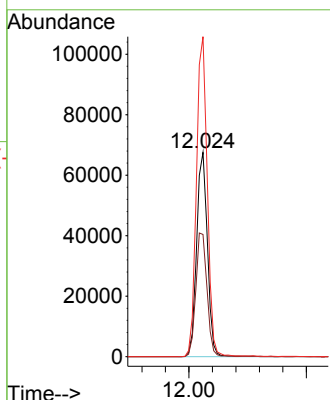
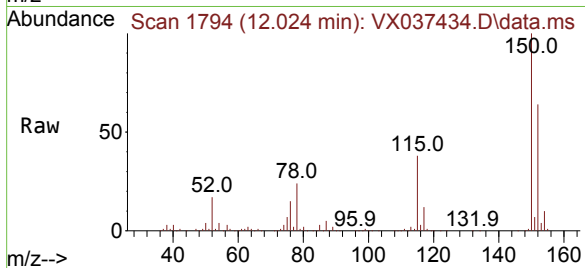
Tgt Ion:152 Resp: 85839

Ion Ratio Lower Upper

152 100

115 62.8 43.3 129.9

150 157.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.563 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037434.D

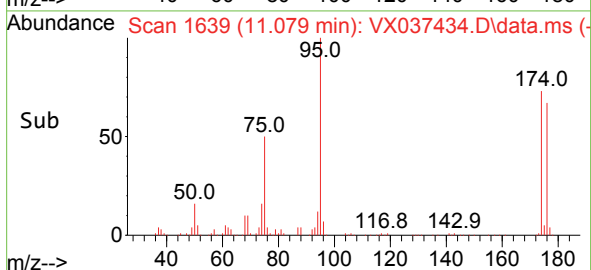
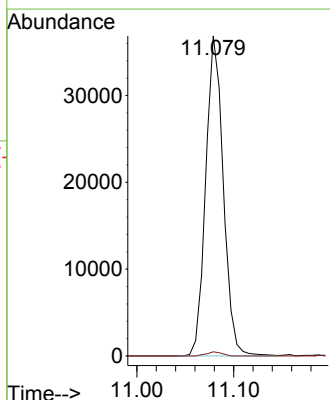
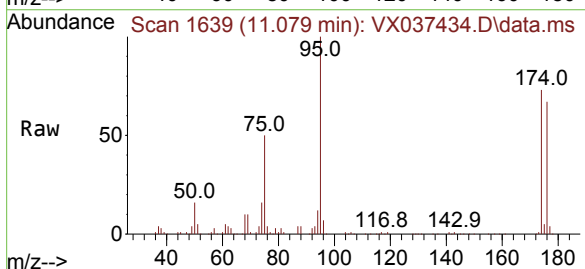
Acq: 31 Aug 2023 16:42

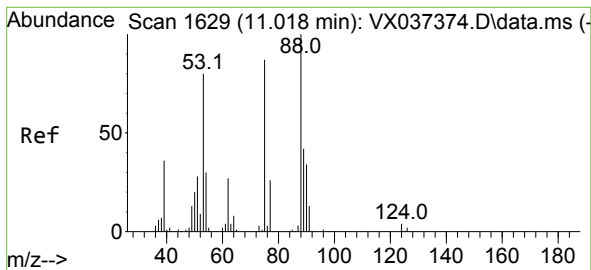
Tgt Ion: 75 Resp: 46731

Ion Ratio Lower Upper

75 100

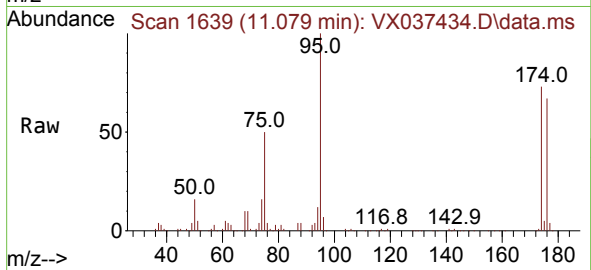
77 1.1 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.398 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037434.D  
 Acq: 31 Aug 2023 16:42

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 46731  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

