

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091923\  
 Data File : VX037803.D  
 Acq On : 19 Sep 2023 14:07  
 Operator : JC/MD  
 Sample : 04491-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 20 01:02:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

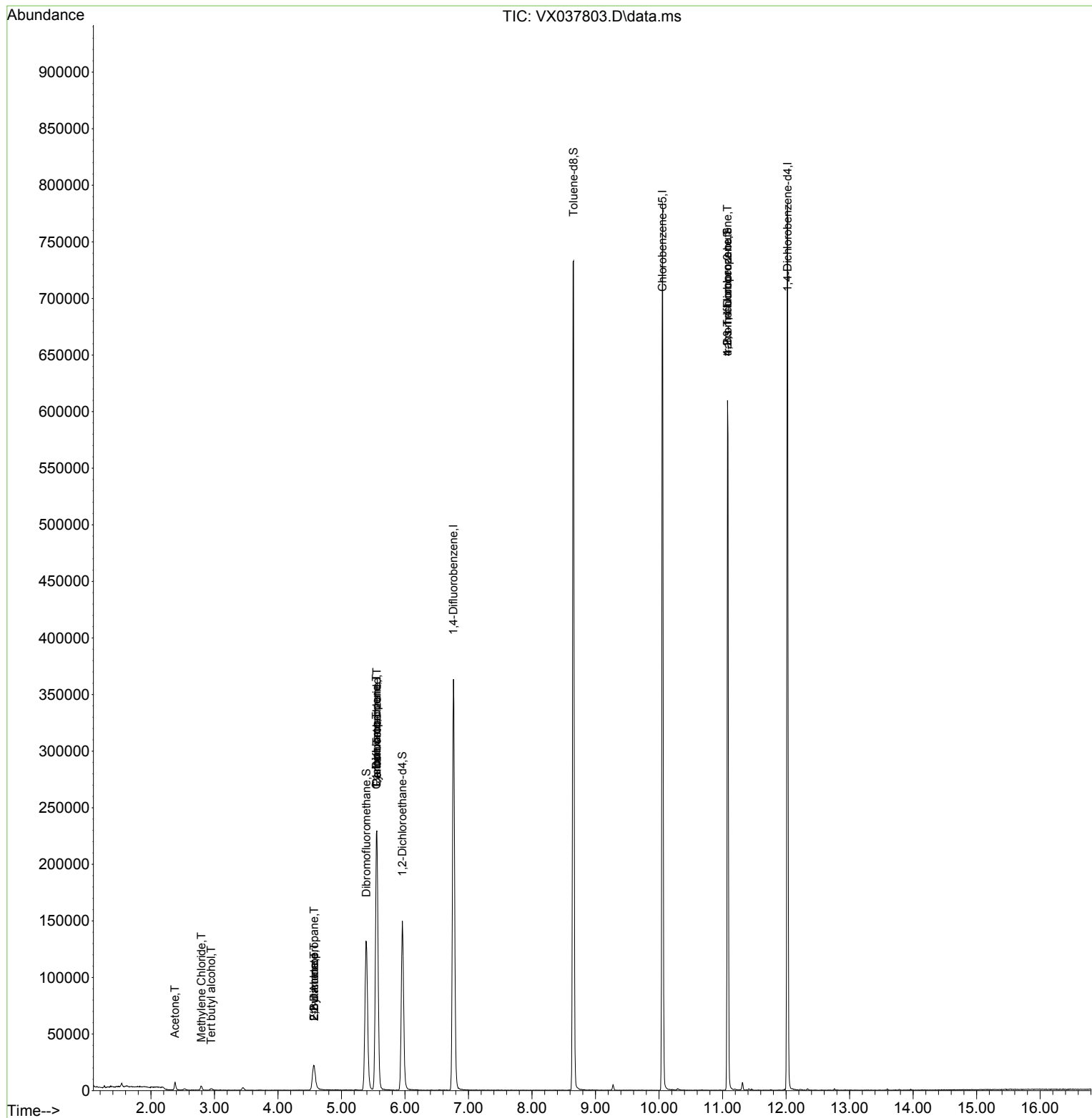
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 224204   | 50.000   | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 378190   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 353904   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 169853   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 139223   | 47.263   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 94.520%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 117193   | 46.312   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 92.620%  |
| 50) Toluene-d8                | 8.653  | 98    | 458922   | 48.809   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.620%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 162912   | 47.682   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 95.360%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.946  | 59    | 1084     | 1.714    | ug/l   | # 78     |
| 16) Acetone                   | 2.380  | 43    | 7130     | 5.032    | ug/l   | 91       |
| 20) Methylene Chloride        | 2.794  | 84    | 1709     | 0.627    | ug/l   | # 80     |
| 25) 2-Butanone                | 4.568  | 43    | 1647     | 0.824    | ug/l   | # 71     |
| 26) 2,2-Dichloropropane       | 4.568  | 77    | 1961     | 0.534    | ug/l   | # 54     |
| 31) Cyclohexane               | 5.550  | 56    | 4707     | 1.245    | ug/l   | # 1      |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 17754    | 5.093    | ug/l   | # 51     |
| 37) Ethyl Acetate             | 4.568  | 43    | 1647     | 0.430    | ug/l   | # 45     |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 22656    | 6.212    | ug/l   | # 15     |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 82830    | 21.084   | ug/l   | # 39     |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 82830    | 67.540   | ug/l   | # 5      |
| -----                         |        |       |          |          |        |          |

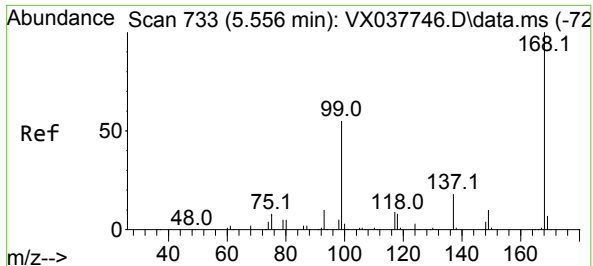
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Sep 20 01:02:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 2023  
Response via : Initial Calibration



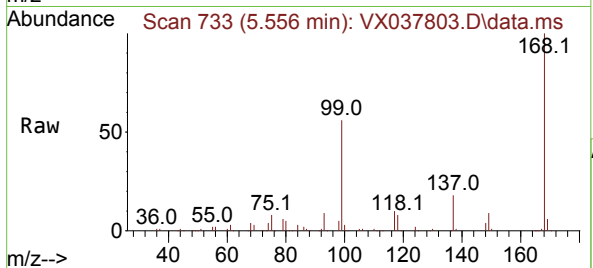


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

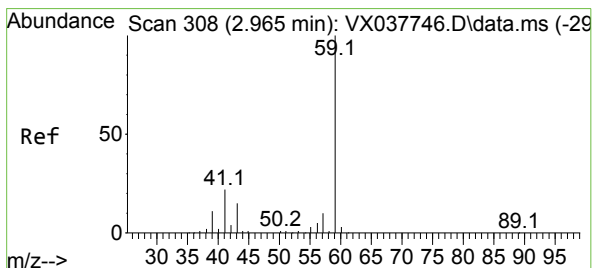
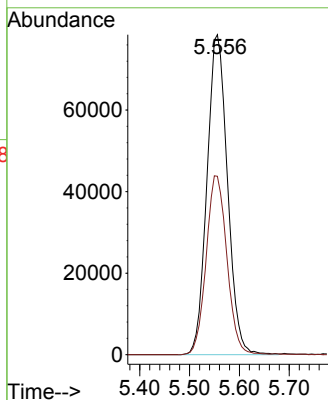
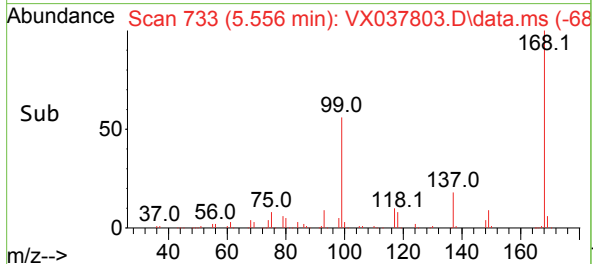
Instrument :

MSVOA\_X

ClientSampleId :

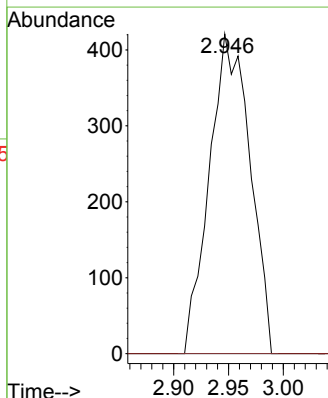
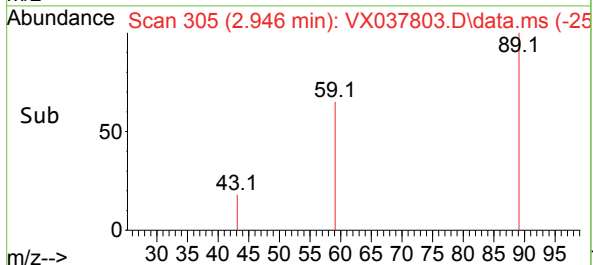
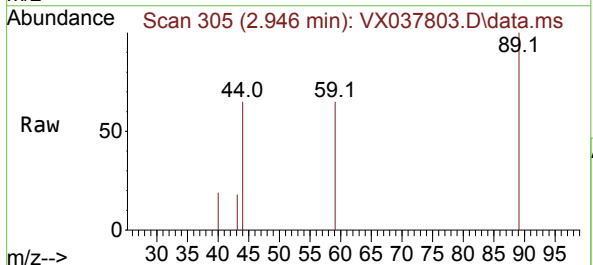


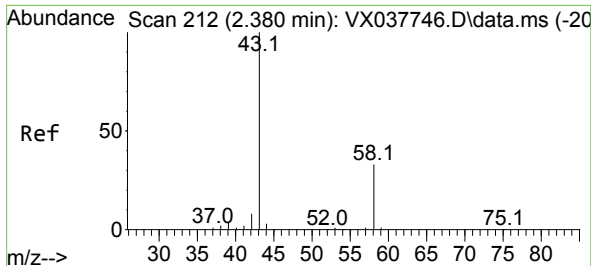
Tgt Ion:168 Resp: 224204  
Ion Ratio Lower Upper  
168 100  
99 55.7 56.6 85.0#



#11  
Tert butyl alcohol  
Concen: 1.714 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.018 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

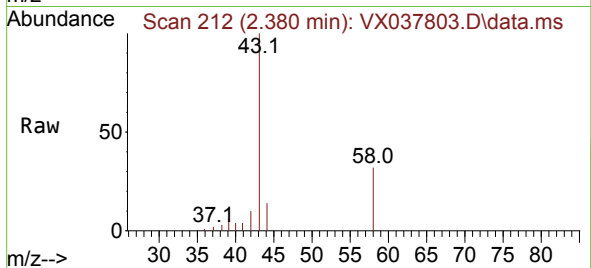
Tgt Ion: 59 Resp: 1084  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#



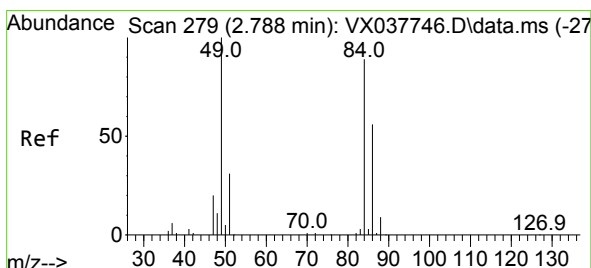
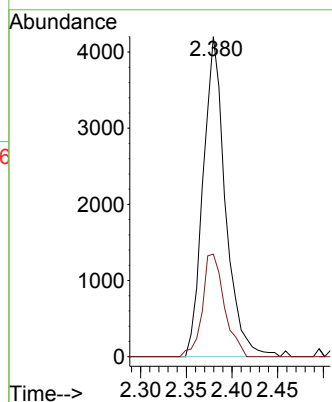
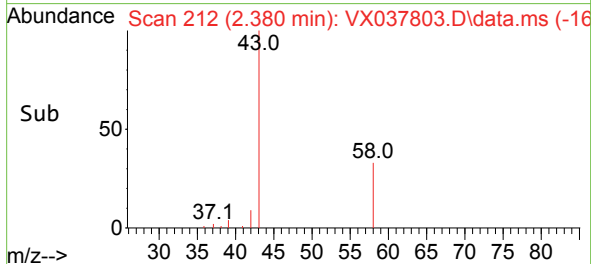


#16  
Acetone  
Concen: 5.032 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

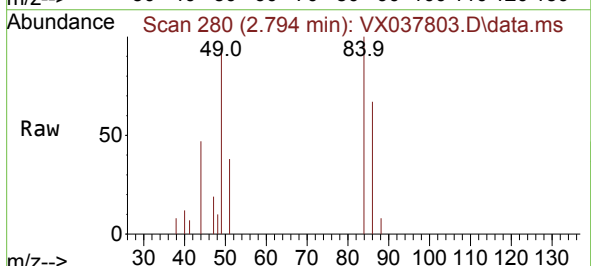
Instrument :  
MSVOA\_X  
ClientSampleId :



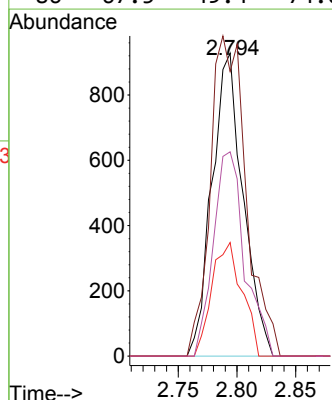
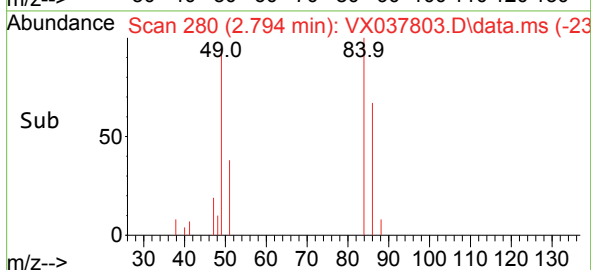
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Ion Ratio Lower Upper  
43 100  
58 32.0 21.9 32.9

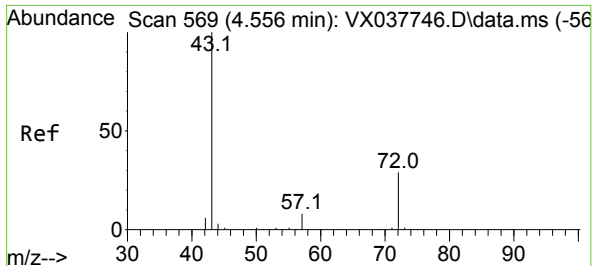


#20  
Methylene Chloride  
Concen: 0.627 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07



Tgt Ion: 84 Resp: 1709  
Ion Ratio Lower Upper  
84 100  
49 94.0 103.6 155.4#  
51 37.5 33.8 50.6  
86 67.5 49.4 74.0





#25

2-Butanone

Concen: 0.824 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX037803.D

Acq: 19 Sep 2023 14:07

Instrument :

MSVOA\_X

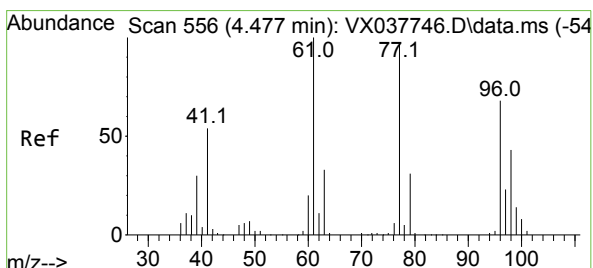
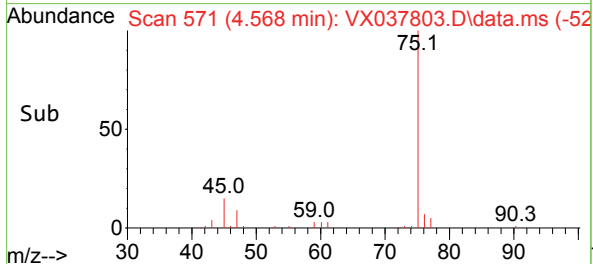
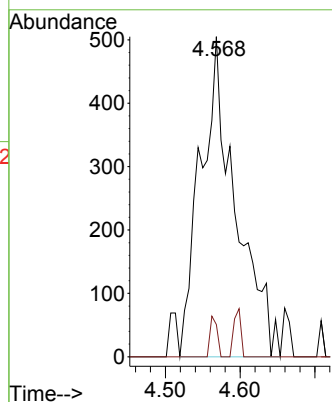
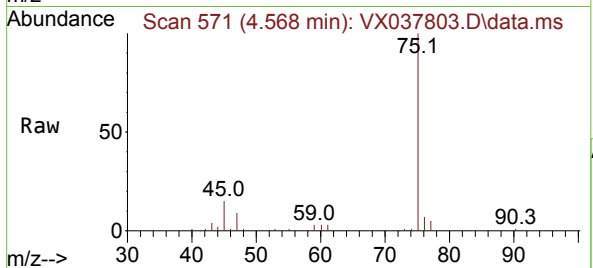
ClientSampleId :

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

43 100

72 10.1 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.534 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.091 min

Lab File: VX037803.D

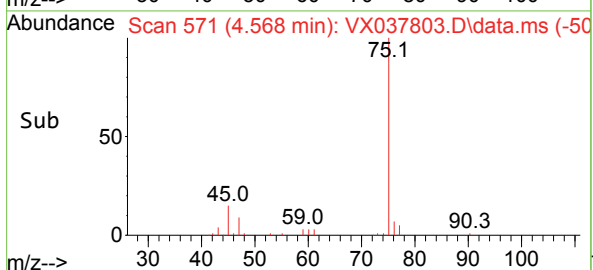
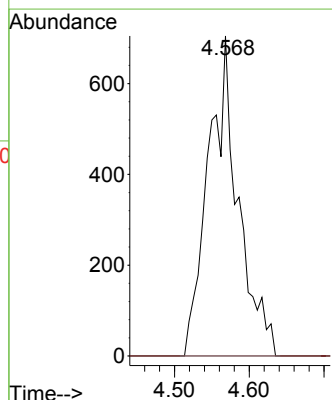
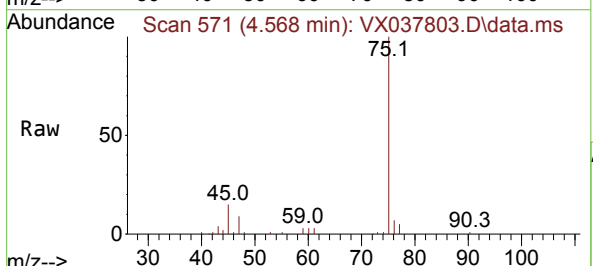
Acq: 19 Sep 2023 14:07

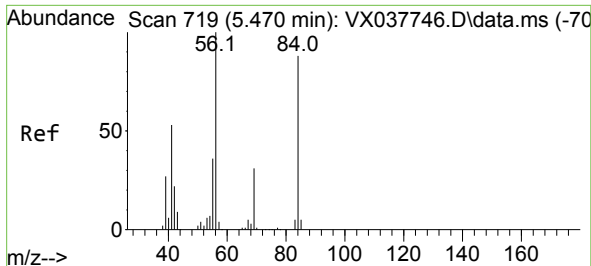
Tgt Ion: 77 Resp: 1961

Ion Ratio Lower Upper

77 100

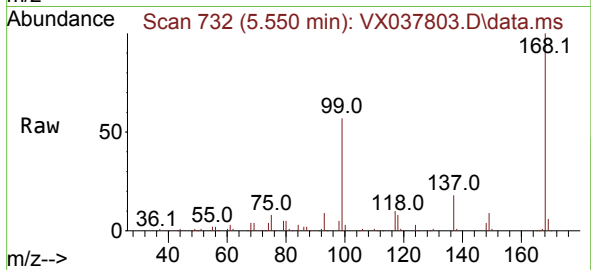
97 0.0 10.8 32.3#



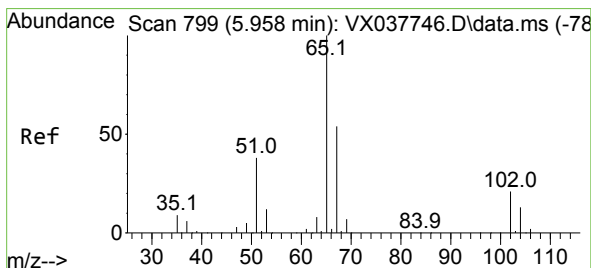
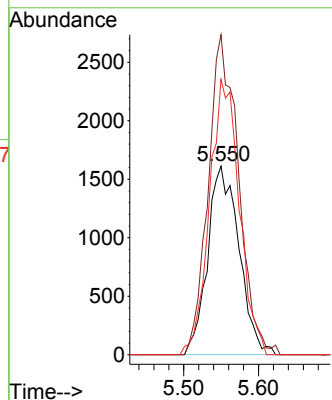
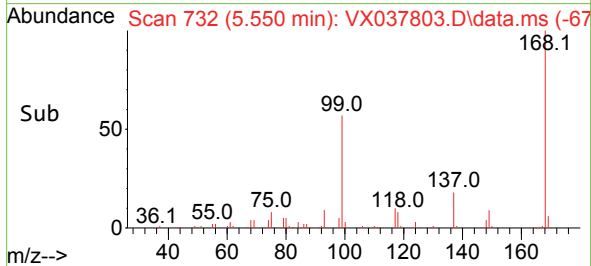


#31  
Cyclohexane  
Concen: 1.245 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

Instrument :  
MSVOA\_X  
ClientSampleId :

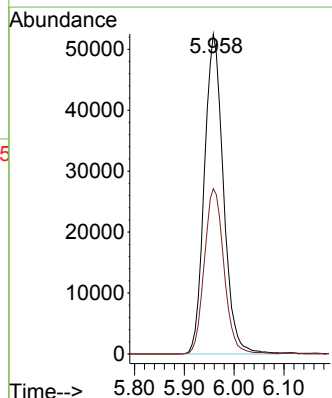
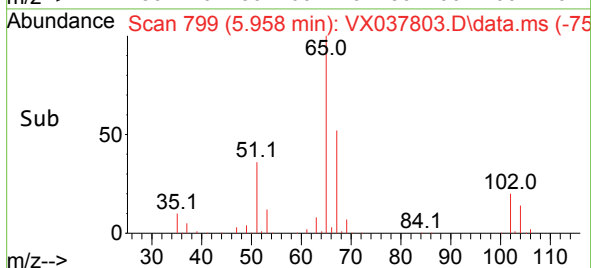
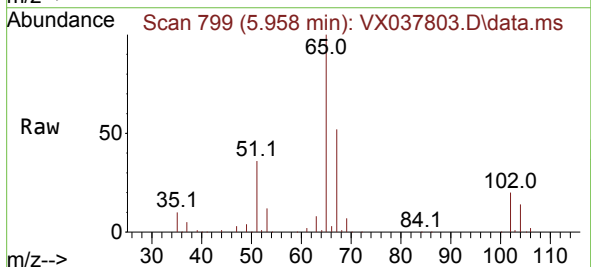


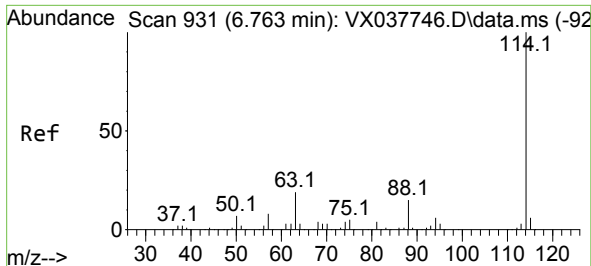
Tgt Ion: 56 Resp: 4707  
Ion Ratio Lower Upper  
56 100  
69 169.7 23.4 35.2#  
84 146.0 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 47.263 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

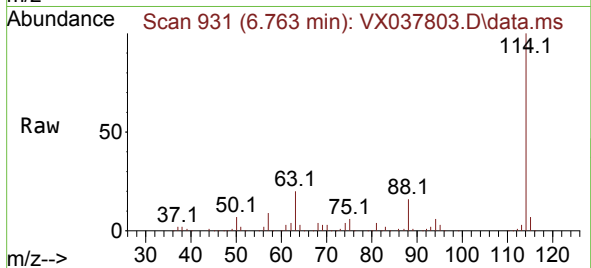
Tgt Ion: 65 Resp: 139223  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 100.2



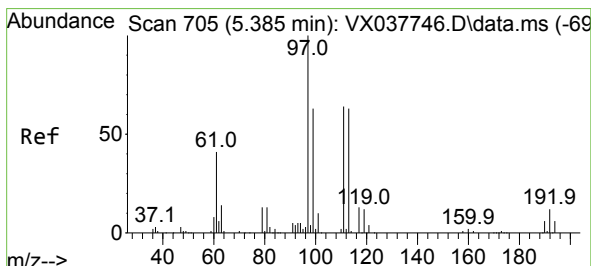
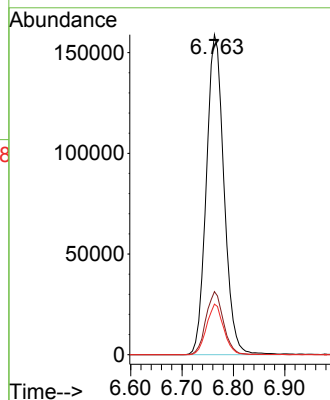
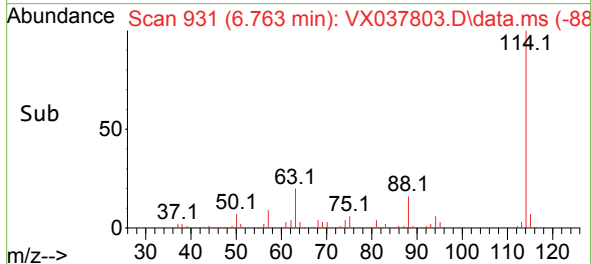


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

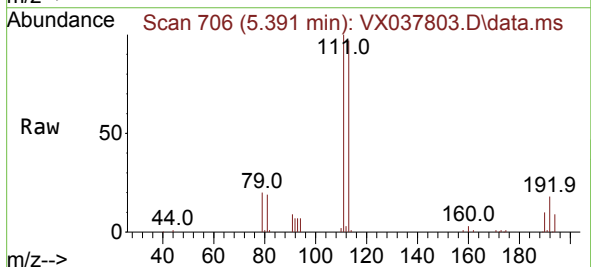
Instrument :  
MSVOA\_X  
ClientSampleId :



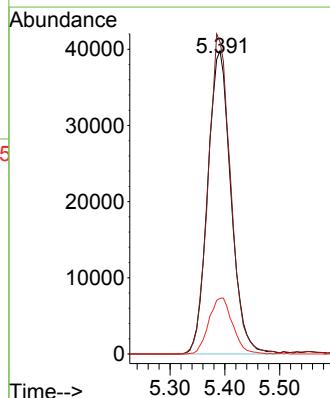
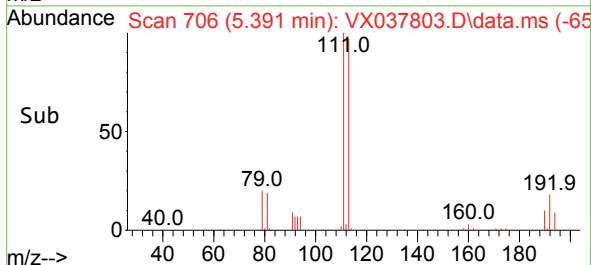
Tgt Ion:114 Resp: 378190  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 45.0  
88 15.8 0.0 36.6

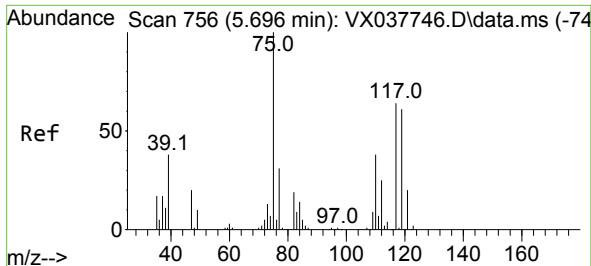


#35  
Dibromofluoromethane  
Concen: 46.312 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07



Tgt Ion:113 Resp: 117193  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.9 124.3  
192 18.9 13.3 19.9

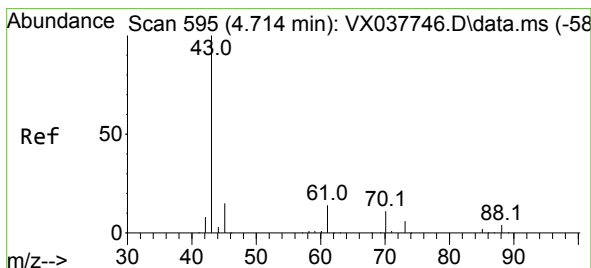
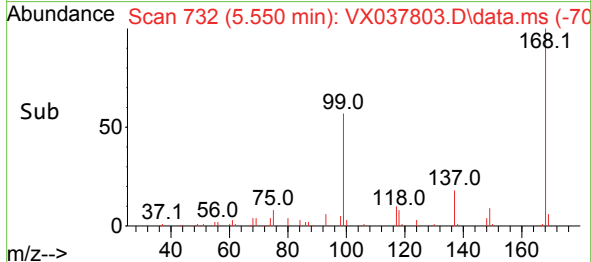
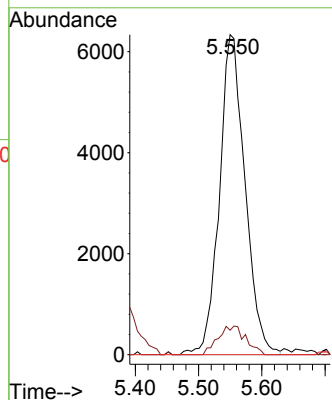
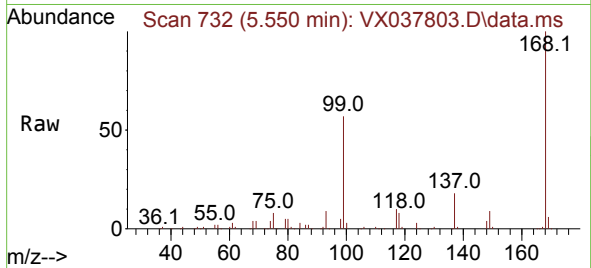




#36  
1,1-Dichloropropene  
Concen: 5.093 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.146 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

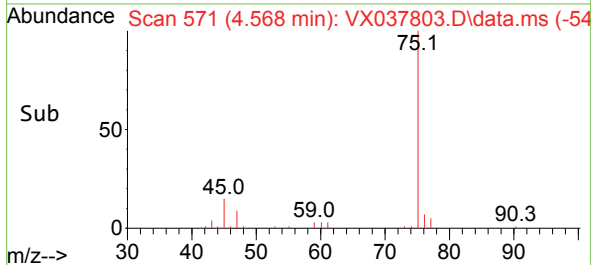
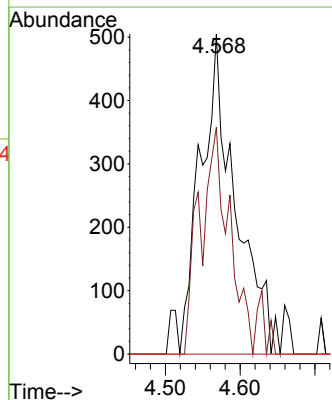
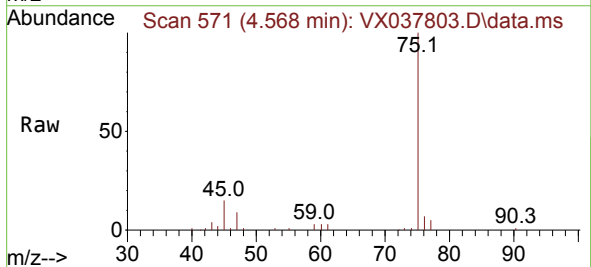
Instrument :  
MSVOA\_X  
ClientSampleId :

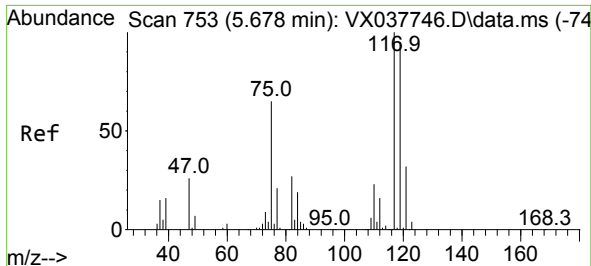
Tgt Ion: 75 Resp: 17754  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.0 50.9#  
77 0.0 24.7 37.1#



#37  
Ethyl Acetate  
Concen: 0.430 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. -0.165 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

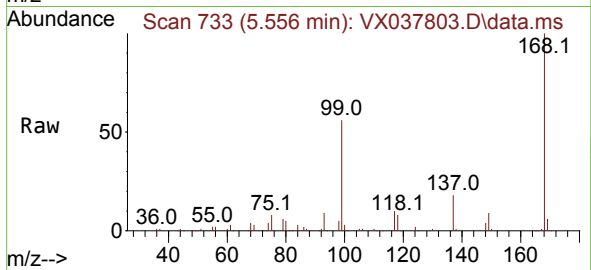
Tgt Ion: 43 Resp: 1647  
Ion Ratio Lower Upper  
43 100  
61 43.7 10.6 16.0#  
70 0.0 8.3 12.5#



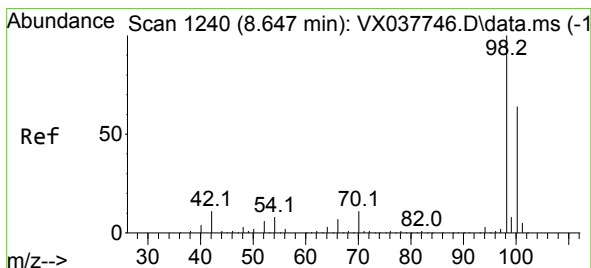
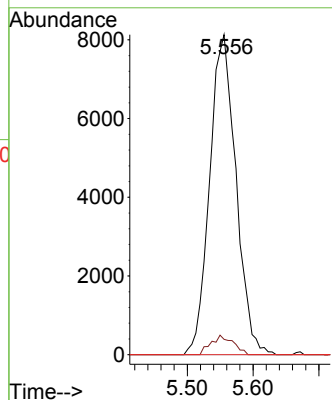
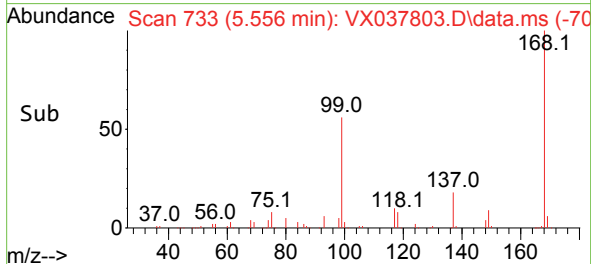


#38  
Carbon Tetrachloride  
Concen: 6.212 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

Instrument :  
MSVOA\_X  
ClientSampleId :

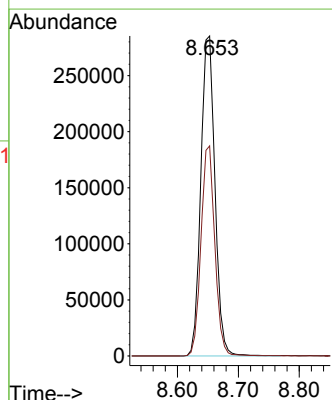
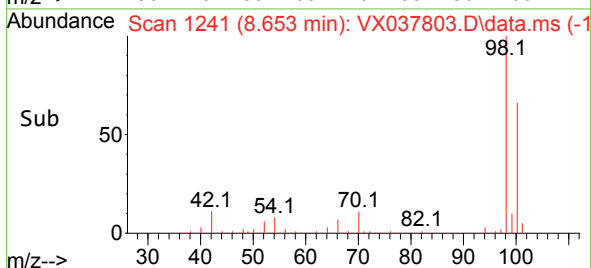
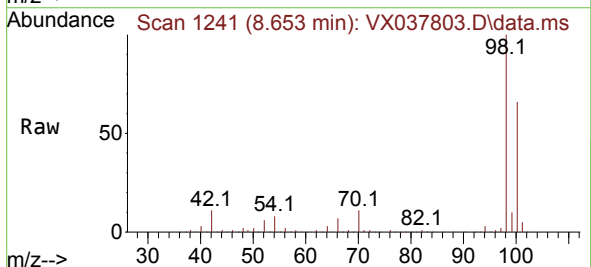


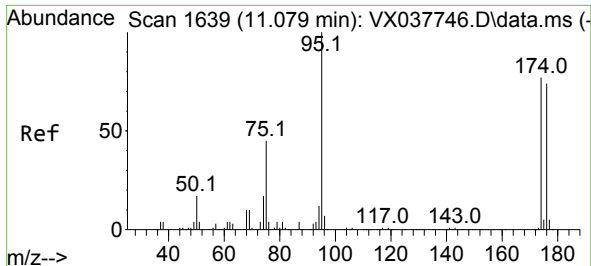
Tgt Ion:117 Resp: 22656  
Ion Ratio Lower Upper  
117 100  
119 4.8 78.2 117.2#  
121 0.0 24.4 36.6#



#50  
Toluene-d8  
Concen: 48.809 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.006 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

Tgt Ion: 98 Resp: 458922  
Ion Ratio Lower Upper  
98 100  
100 64.4 53.1 79.7

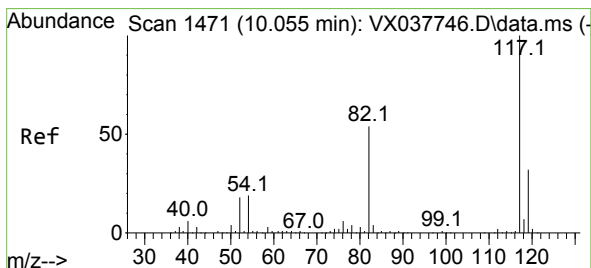
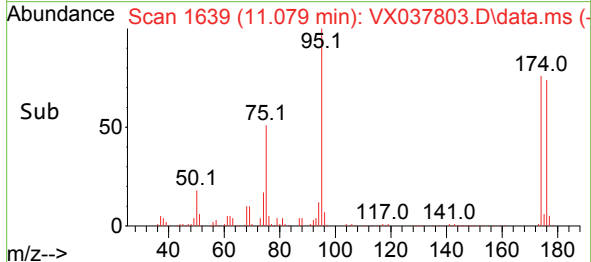
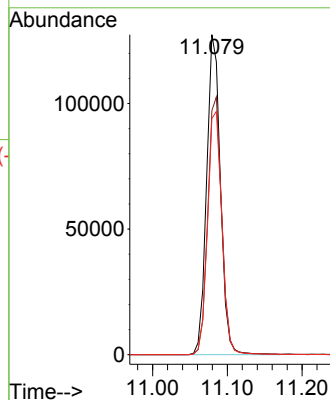
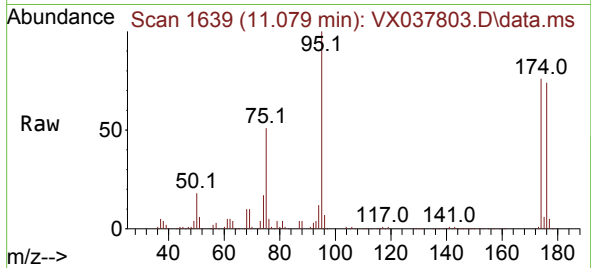




#62  
4-Bromofluorobenzene  
Concen: 47.682 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

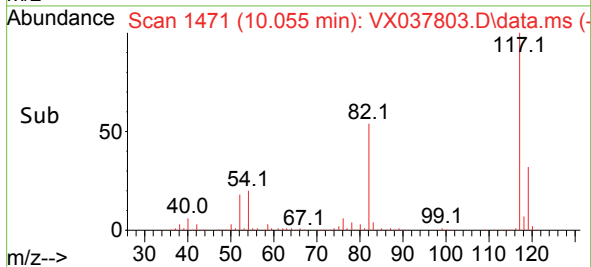
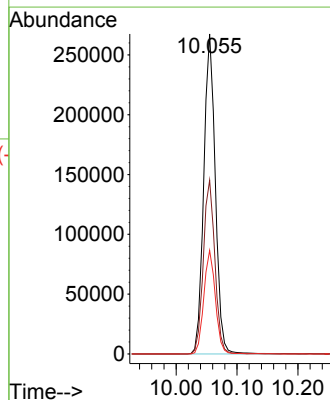
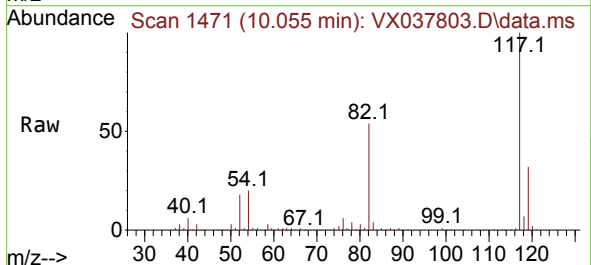
Instrument :  
MSVOA\_X  
ClientSampleId :

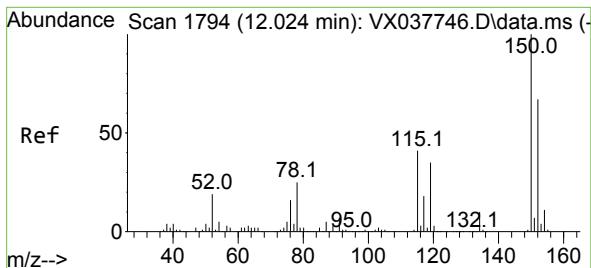
Tgt Ion: 95 Resp: 162912  
Ion Ratio Lower Upper  
95 100  
174 82.2 0.0 135.6  
176 79.0 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX037803.D  
Acq: 19 Sep 2023 14:07

Tgt Ion: 117 Resp: 353904  
Ion Ratio Lower Upper  
117 100  
82 54.3 46.2 69.4  
119 32.3 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: VX037803.D

Acq: 19 Sep 2023 14:07

Instrument :

MSVOA\_X

ClientSampleId :

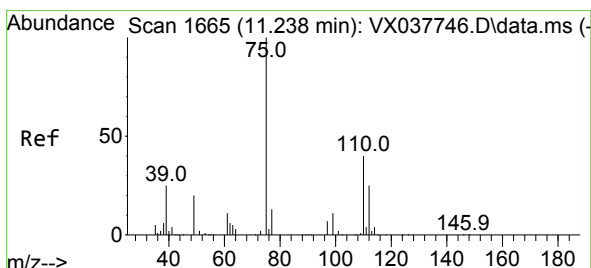
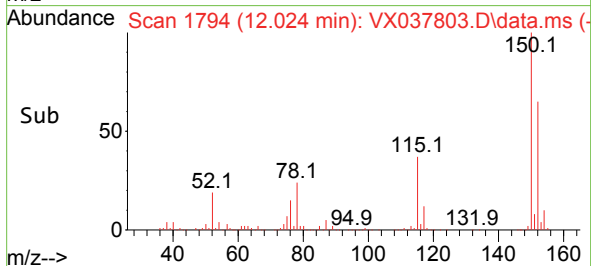
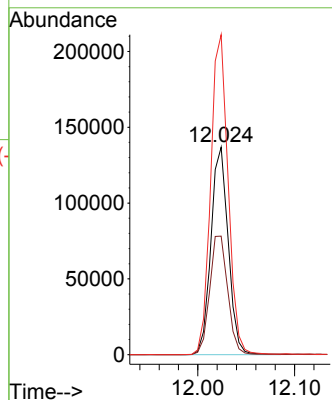
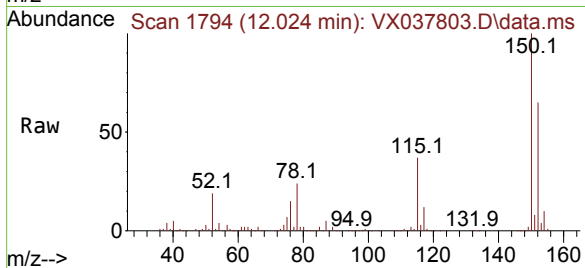
Tgt Ion:152 Resp: 169853

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.084 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037803.D

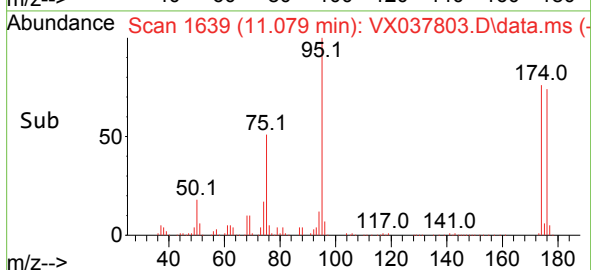
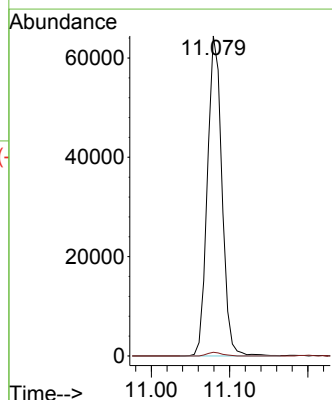
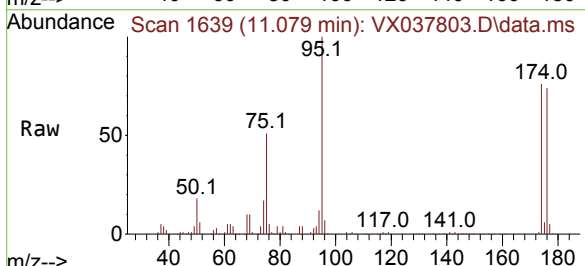
Acq: 19 Sep 2023 14:07

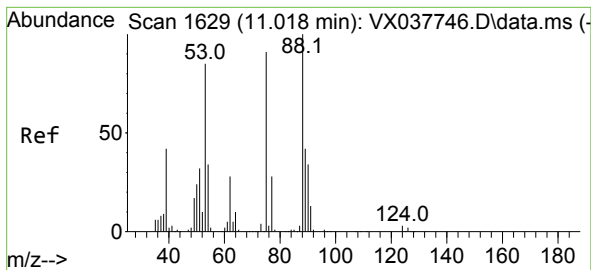
Tgt Ion: 75 Resp: 82830

Ion Ratio Lower Upper

75 100

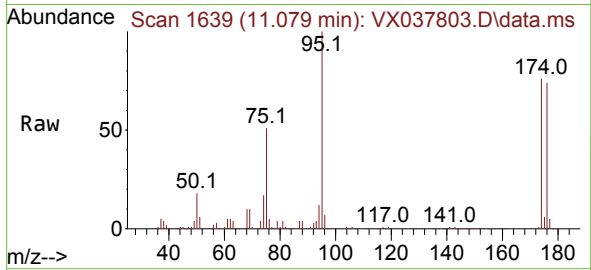
77 1.2 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.540 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX037803.D  
 Acq: 19 Sep 2023 14:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 82830  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 90.5 135.7#  
 89 0.0 36.9 55.3#

