

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083123\  
 Data File : VX037449.D  
 Acq On : 31 Aug 2023 22:45  
 Operator : JC/MD  
 Sample : 04252-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-14A-17.5-083023

Quant Time: Sep 01 03:19:20 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

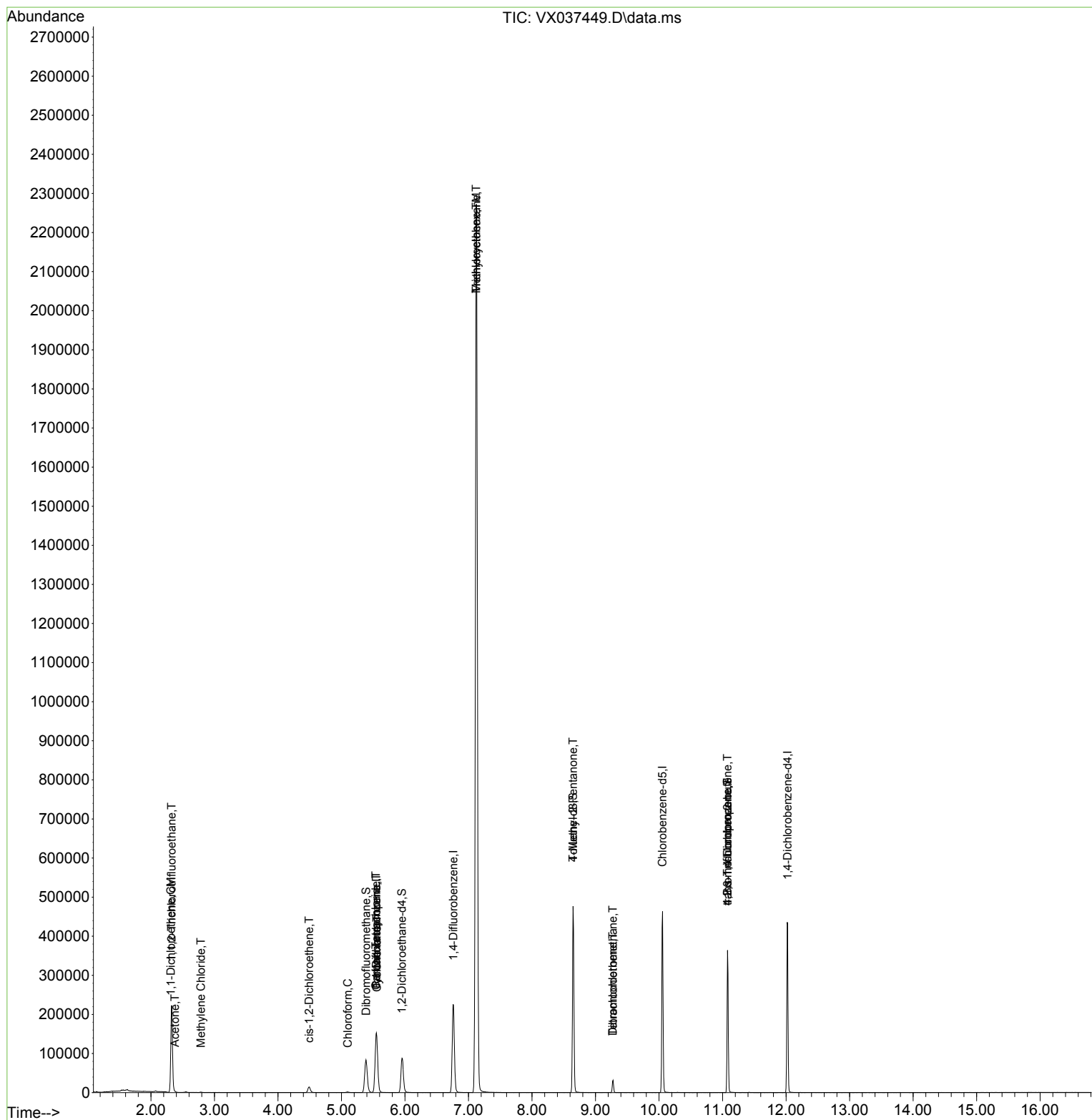
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 145377   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 245132   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 217671   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 94439    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952  | 65    | 89358    | 42.635   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 85.280%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 74644    | 45.979   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 91.960%  |
| 50) Toluene-d8                | 8.647  | 98    | 284875   | 48.375   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.760%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 102015   | 44.081   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 88.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325  | 101   | 88471    | 57.570   | ug/l   | 96       |
| 12) 1,1-Dichloroethene        | 2.313  | 96    | 819      | 0.547    | ug/l # | 78       |
| 16) Acetone                   | 2.380  | 43    | 1167     | 1.423    | ug/l   | 94       |
| 20) Methylene Chloride        | 2.788  | 84    | 594      | 0.324    | ug/l # | 80       |
| 27) cis-1,2-Dichloroethene    | 4.489  | 96    | 10193    | 5.082    | ug/l   | 78       |
| 30) Chloroform                | 5.099  | 83    | 2070     | 0.619    | ug/l   | 97       |
| 31) Cyclohexane               | 5.556  | 56    | 2682     | 1.138    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11602    | 5.030    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 15617    | 6.233    | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.123  | 83    | 10523    | 4.342    | ug/l # | 1        |
| 44) Trichloroethene           | 7.123  | 130   | 924188   | 492.711  | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 953      | 0.420    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 6141     | 3.241    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 5867     | 3.695    | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 50078    | 24.899   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 50078    | 69.544   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

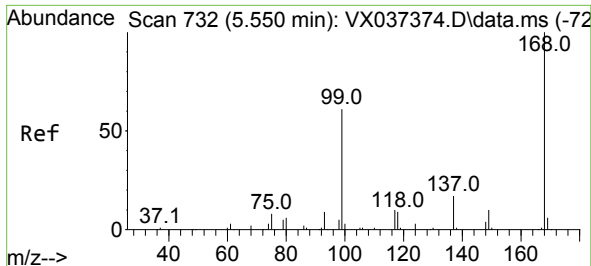
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-14A-17.5-083023

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Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

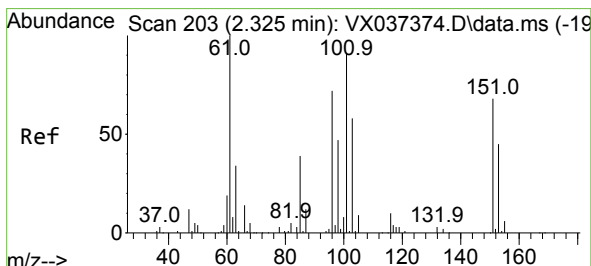
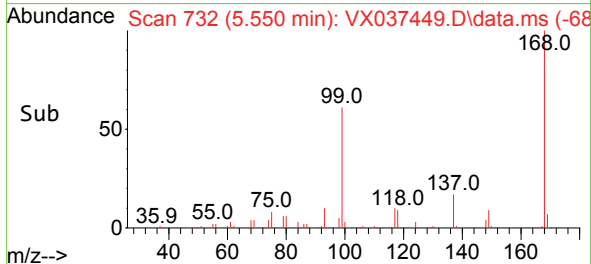
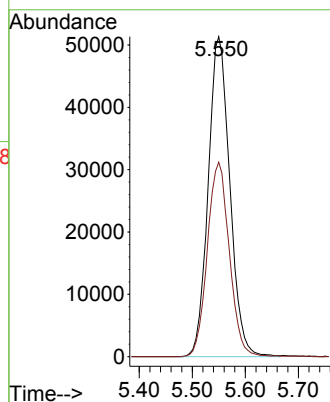
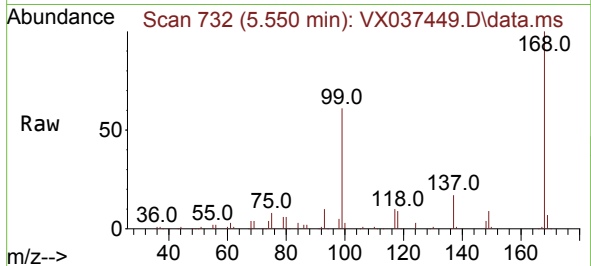




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

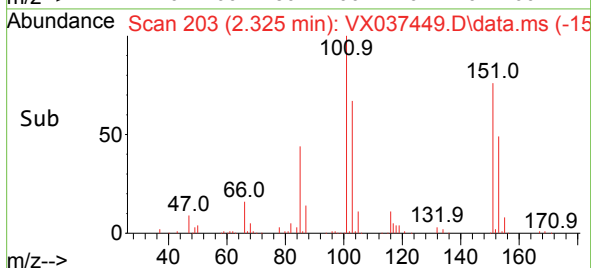
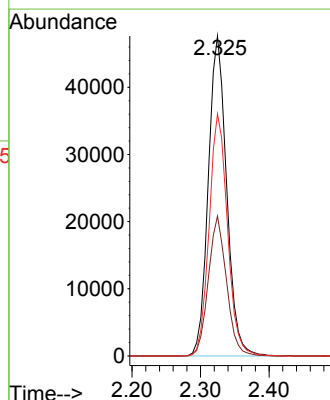
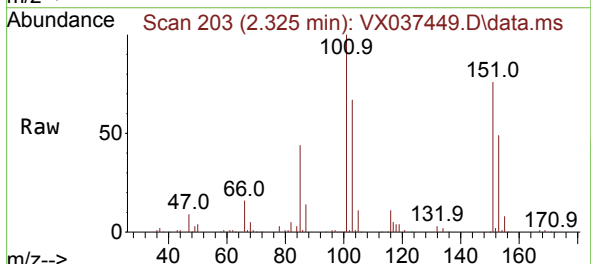
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

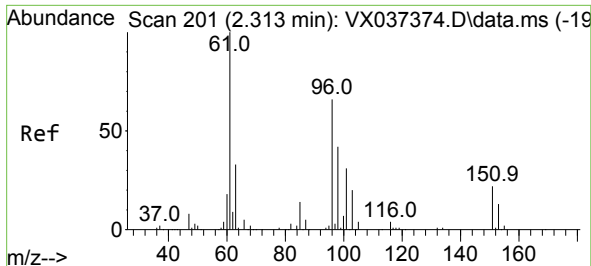
Tgt Ion:168 Resp: 145377  
Ion Ratio Lower Upper  
168 100  
99 60.7 56.6 85.0



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 57.570 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion:101 Resp: 88471  
Ion Ratio Lower Upper  
101 100  
85 43.4 37.0 55.6  
151 75.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.547 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX037449.D

Acq: 31 Aug 2023 22:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-14A-17.5-083023

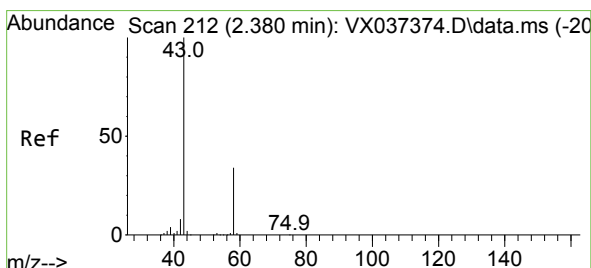
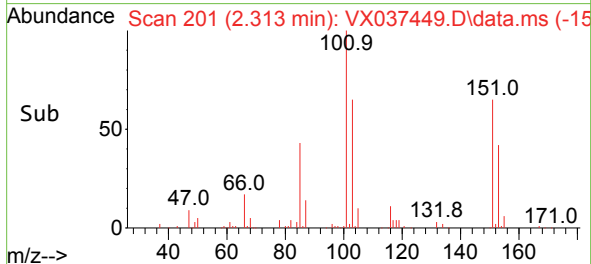
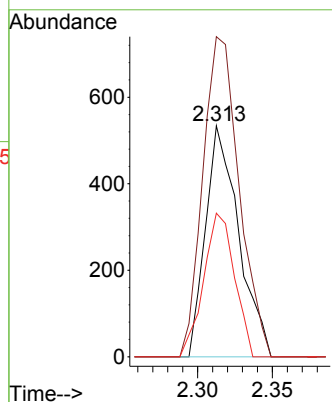
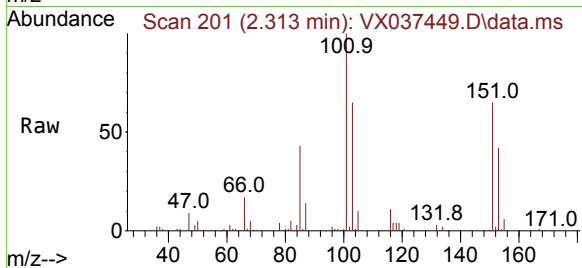
Tgt Ion: 96 Resp: 819

Ion Ratio Lower Upper

96 100

61 138.6 144.6 216.8#

98 62.2 50.4 75.6



#16

Acetone

Concen: 1.423 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037449.D

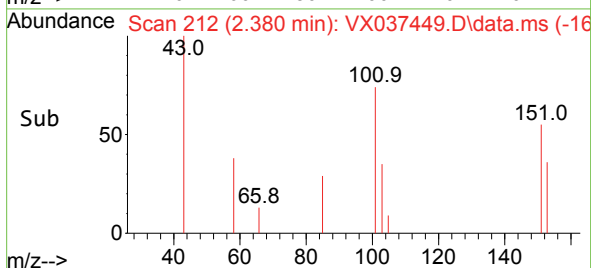
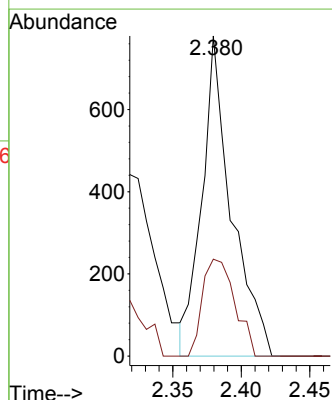
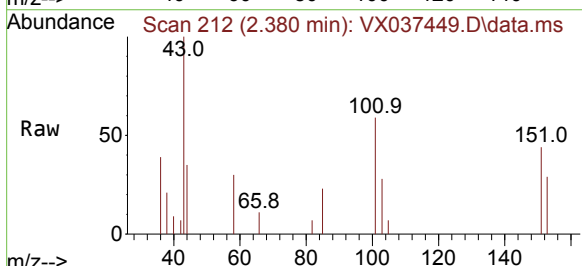
Acq: 31 Aug 2023 22:45

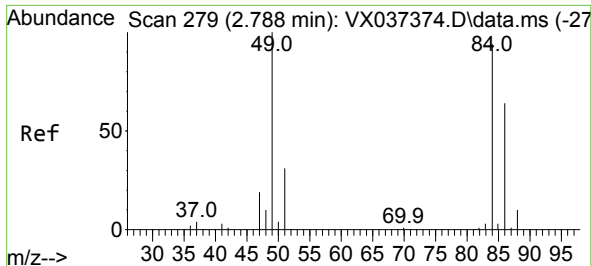
Tgt Ion: 43 Resp: 1167

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9





#20

Methylene Chloride

Concen: 0.324 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037449.D

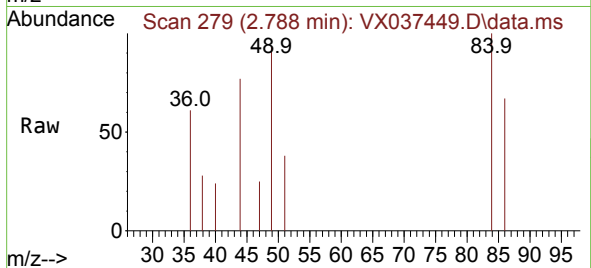
Acq: 31 Aug 2023 22:45

Instrument :

MSVOA\_X

ClientSampleId :

MW-14A-17.5-083023



Tgt Ion: 84 Resp: 594

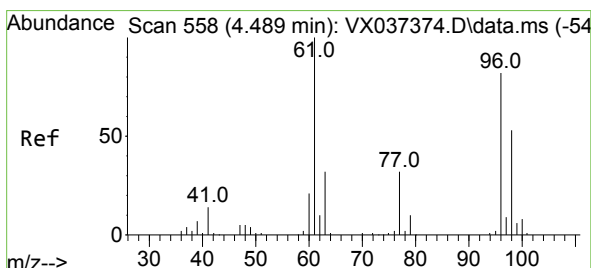
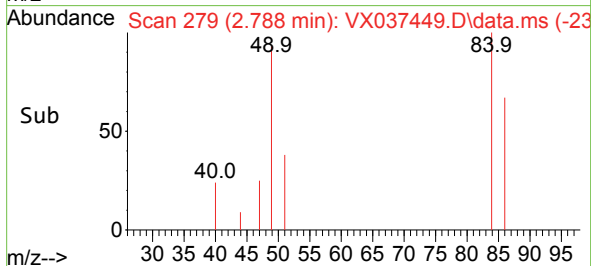
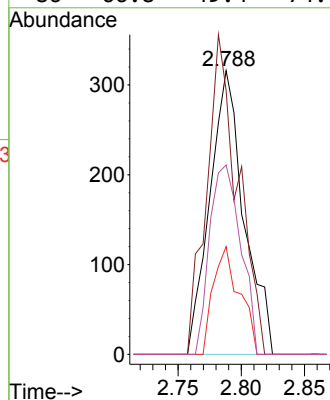
Ion Ratio Lower Upper

84 100

49 93.0 103.6 155.4#

51 38.0 33.8 50.6

86 66.8 49.4 74.0



#27

cis-1,2-Dichloroethene

Concen: 5.082 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX037449.D

Acq: 31 Aug 2023 22:45

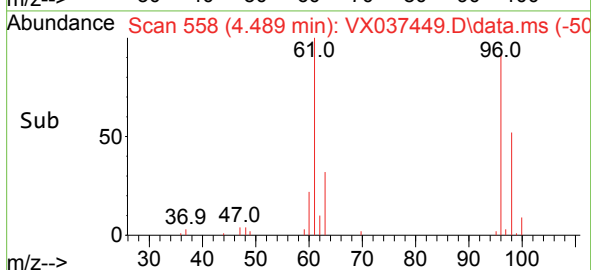
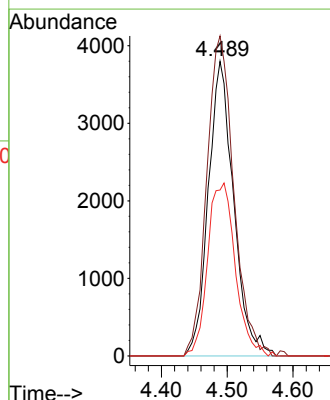
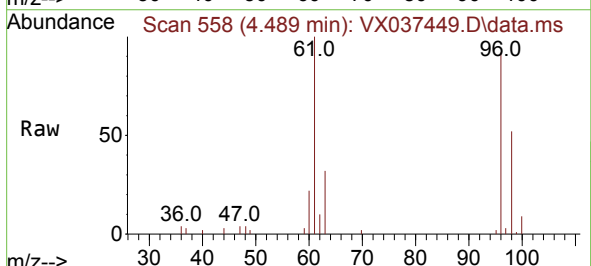
Tgt Ion: 96 Resp: 10193

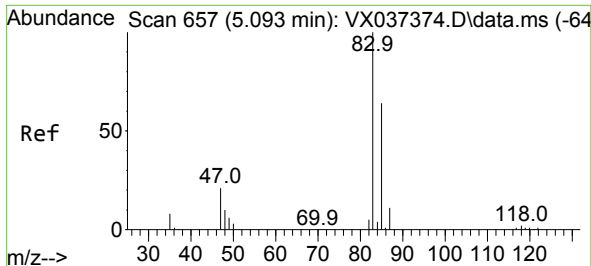
Ion Ratio Lower Upper

96 100

61 115.5 0.0 312.2

98 63.9 0.0 129.0

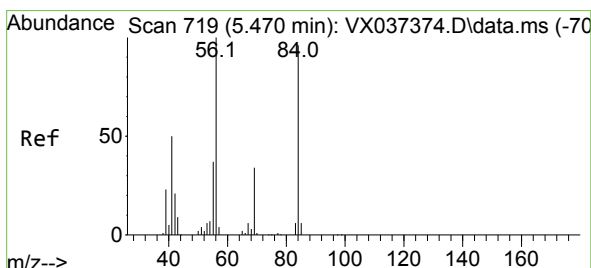
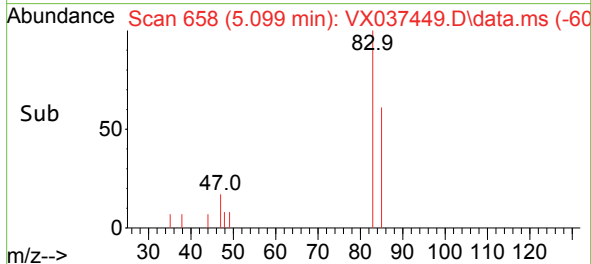
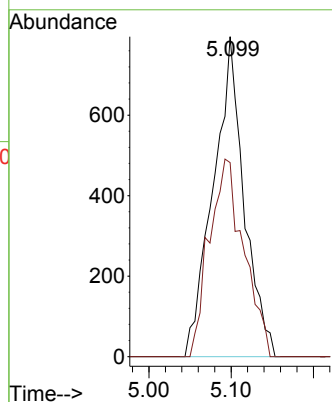
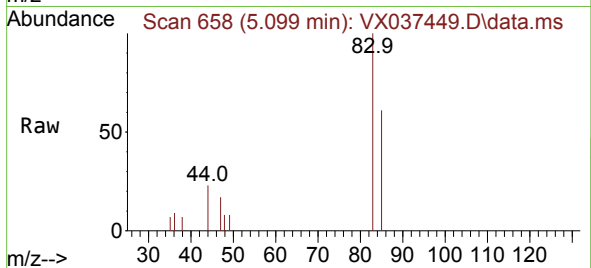




#30  
Chloroform  
Concen: 0.619 ug/l  
RT: 5.099 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

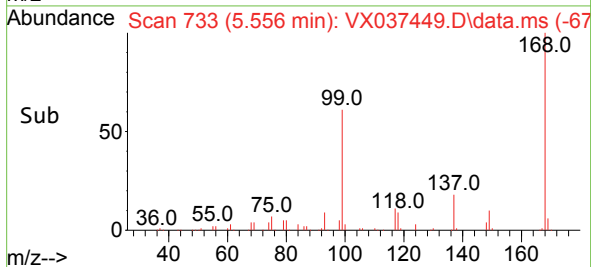
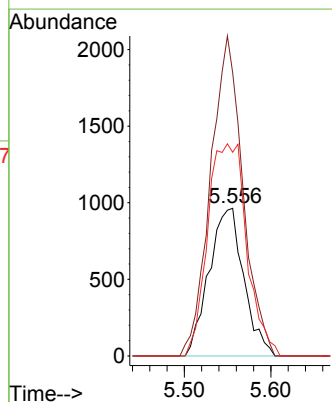
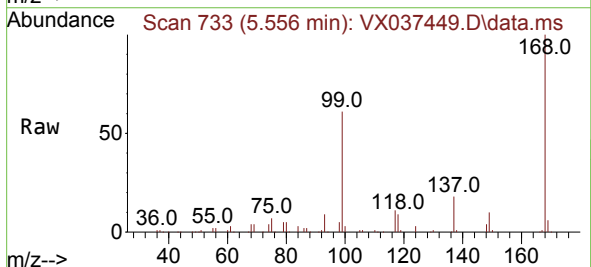
Instrument :  
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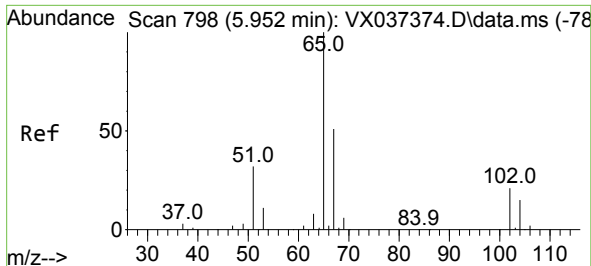
Tgt Ion: 83 Resp: 2070  
Ion Ratio Lower Upper  
83 100  
85 60.6 50.3 75.5



#31  
Cyclohexane  
Concen: 1.138 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.085 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion: 56 Resp: 2682  
Ion Ratio Lower Upper  
56 100  
69 191.8 23.4 35.2#  
84 138.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.635 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037449.D

Acq: 31 Aug 2023 22:45

Instrument :

MSVOA\_X

ClientSampleId :

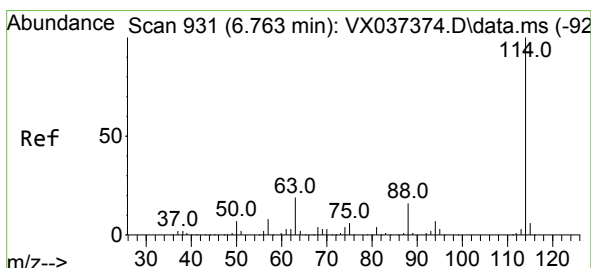
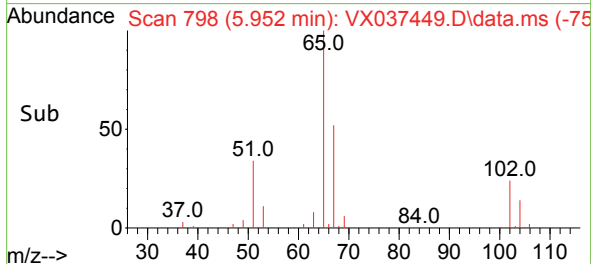
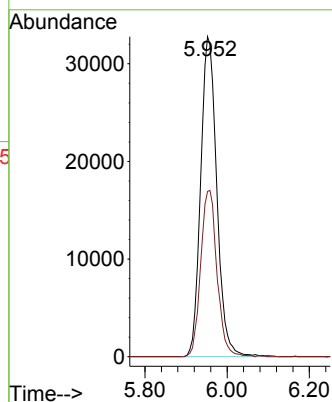
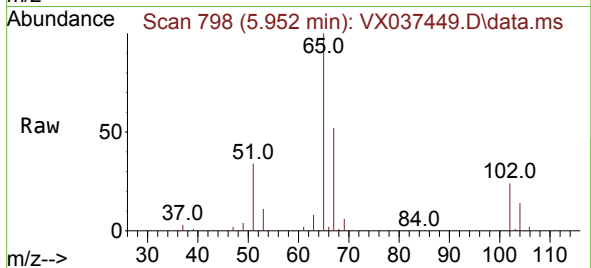
MW-14A-17.5-083023

Tgt Ion: 65 Resp: 89358

Ion Ratio Lower Upper

65 100

67 52.4 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: VX037449.D

Acq: 31 Aug 2023 22:45

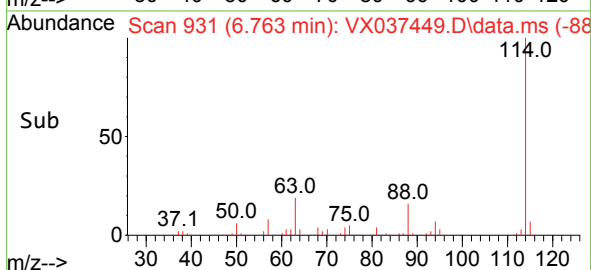
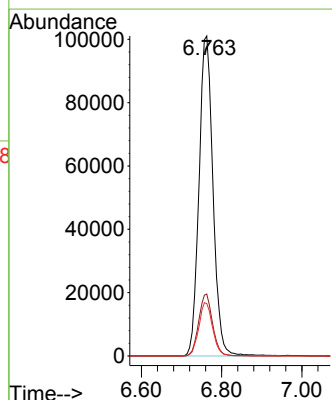
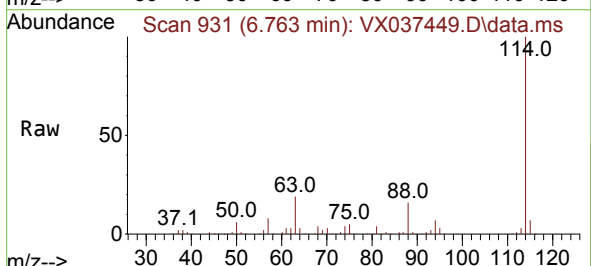
Tgt Ion: 114 Resp: 245132

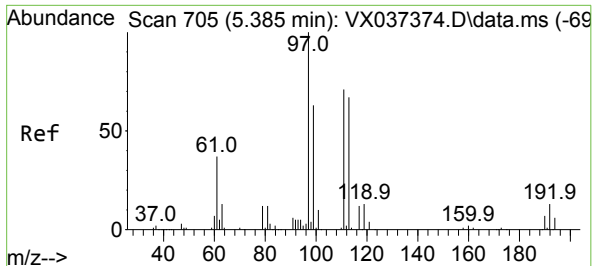
Ion Ratio Lower Upper

114 100

63 19.3 0.0 45.0

88 16.4 0.0 36.6

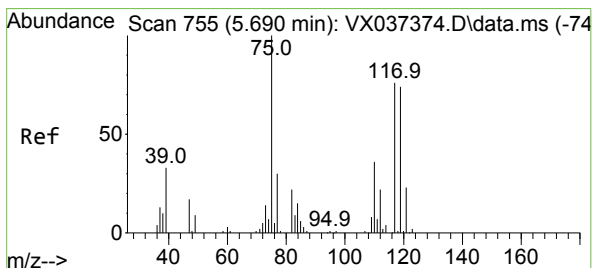
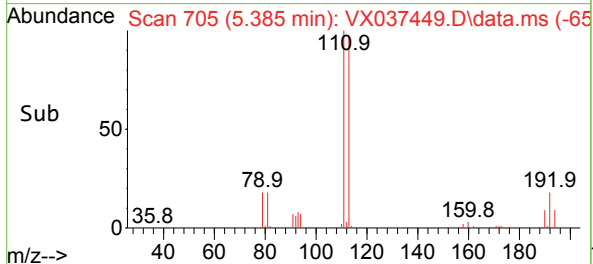
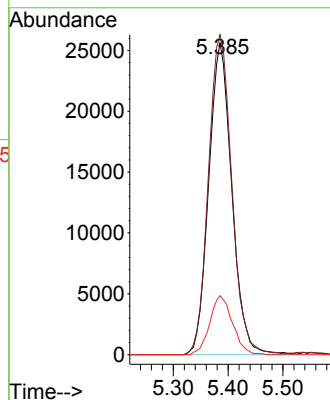
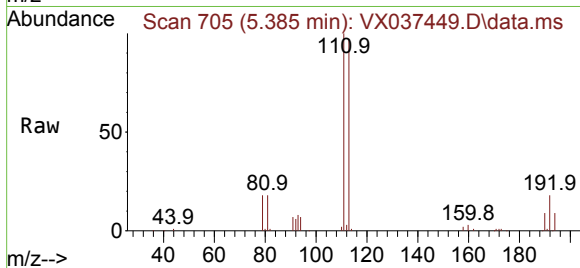




#35  
Dibromofluoromethane  
Concen: 45.979 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

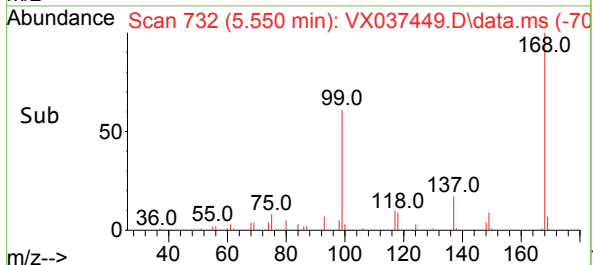
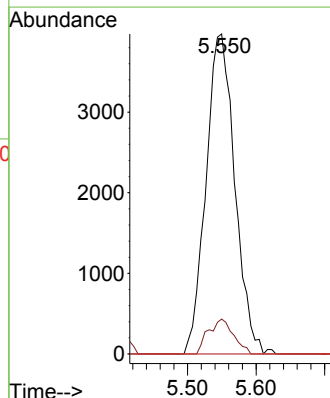
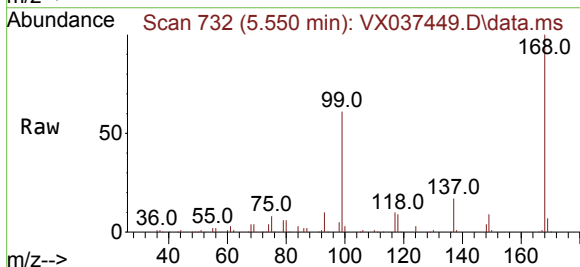
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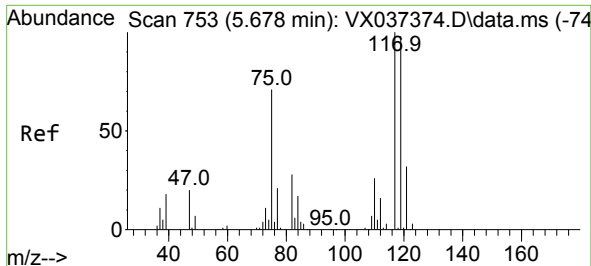
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 74644 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.5 | 82.9  | 124.3 |
| 192      | 18.7  | 13.3  | 19.9  |



#36  
1,1-Dichloropropene  
Concen: 5.030 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.146 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

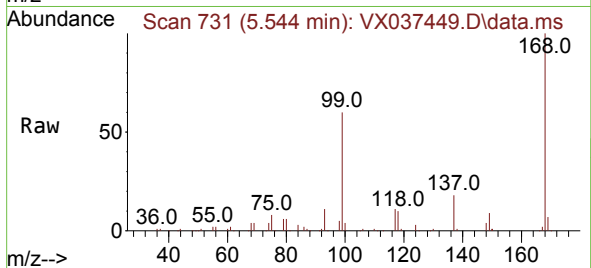
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11602 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.5   | 17.0  | 50.9# |
| 77       | 0.0   | 24.7  | 37.1# |



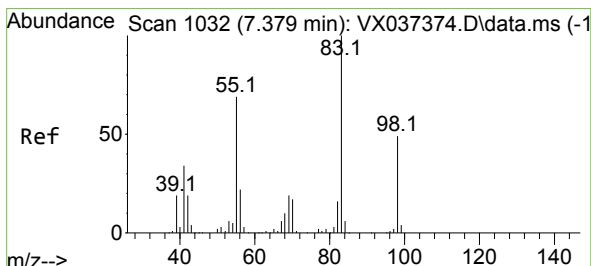
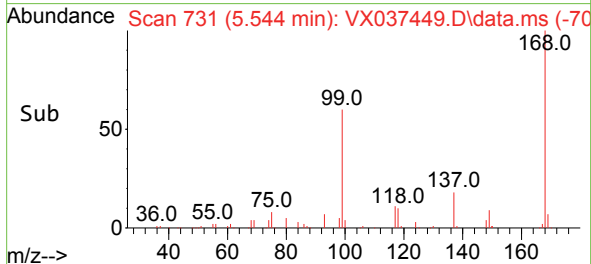
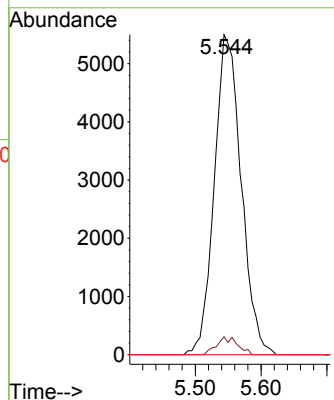


#38  
Carbon Tetrachloride  
Concen: 6.233 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

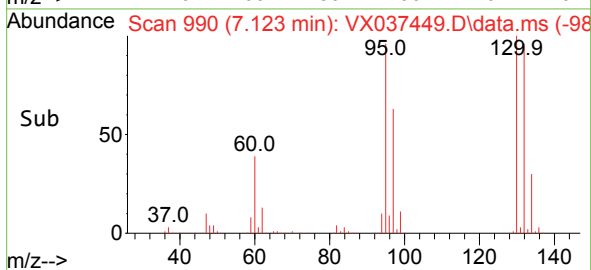
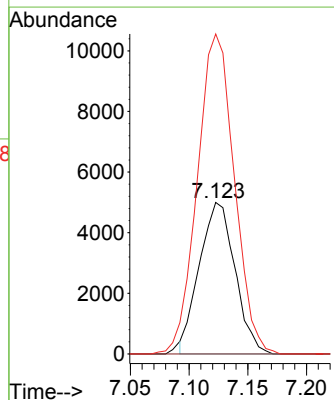
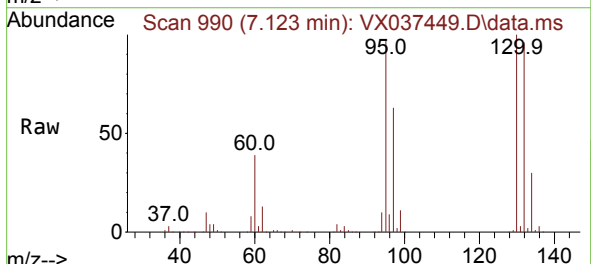


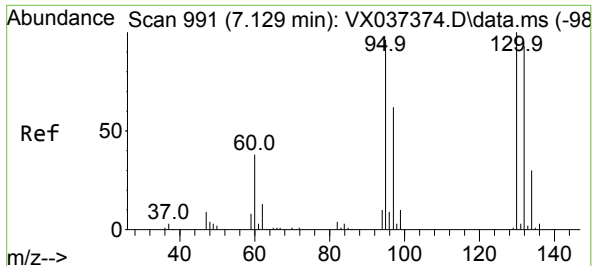
Tgt Ion:117 Resp: 15617  
Ion Ratio Lower Upper  
117 100  
119 5.6 78.2 117.2#  
121 0.0 24.4 36.6#



#39  
Methylcyclohexane  
Concen: 4.342 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.256 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion: 83 Resp: 10523  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 211.2 36.7 55.1#

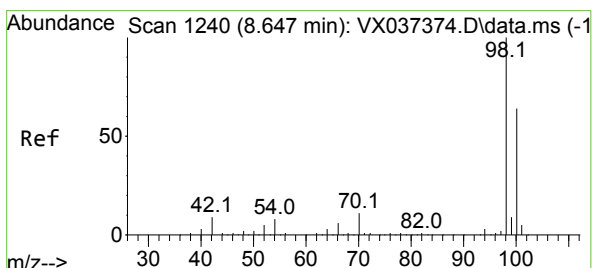
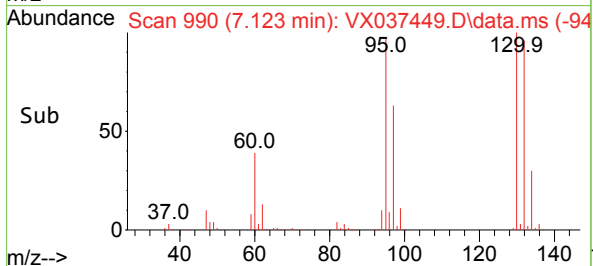
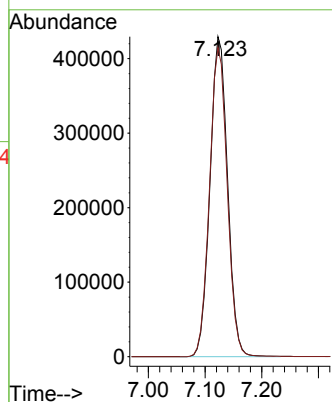
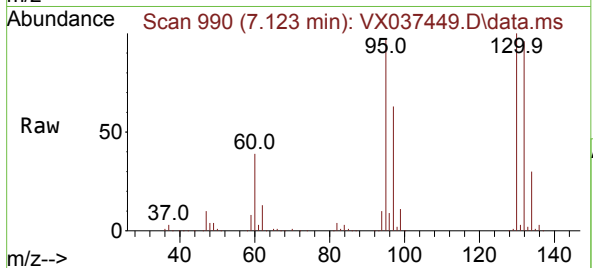




#44  
Trichloroethene  
Concen: 492.711 ug/l  
RT: 7.123 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

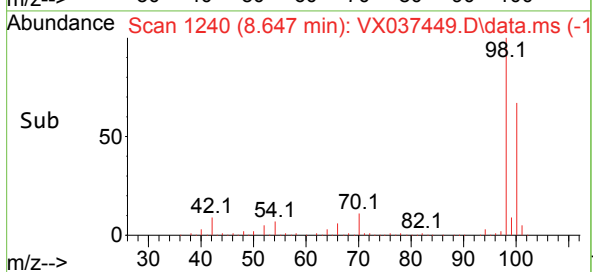
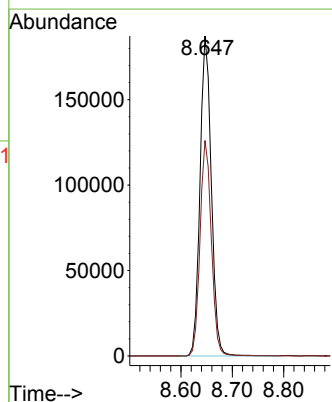
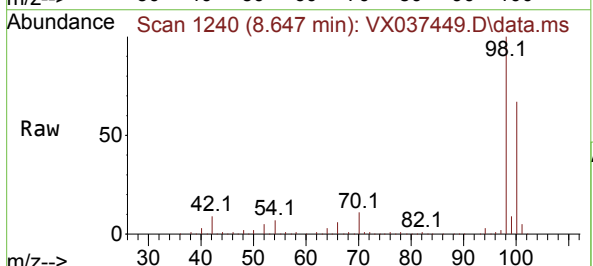
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

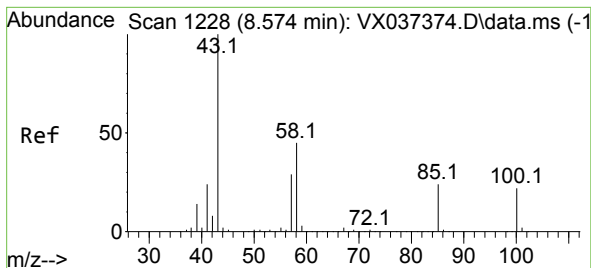
Tgt Ion:130 Resp: 924188  
Ion Ratio Lower Upper  
130 100  
95 96.6 0.0 204.4



#50  
Toluene-d8  
Concen: 48.375 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion: 98 Resp: 284875  
Ion Ratio Lower Upper  
98 100  
100 67.3 53.1 79.7

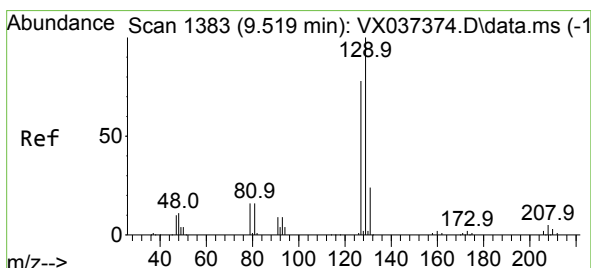
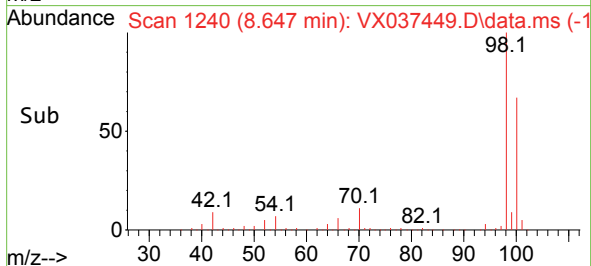
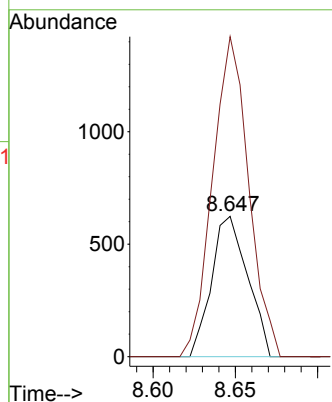
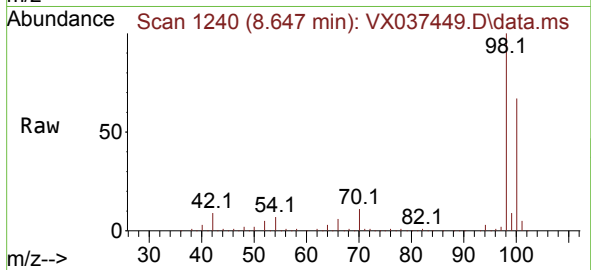




#51  
4-Methyl-2-Pentanone  
Concen: 0.420 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

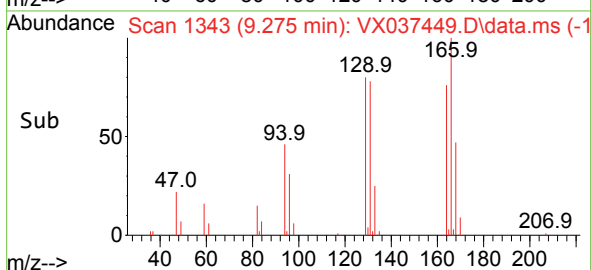
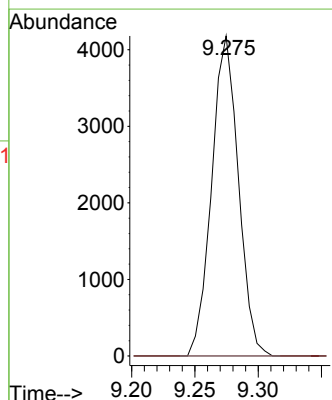
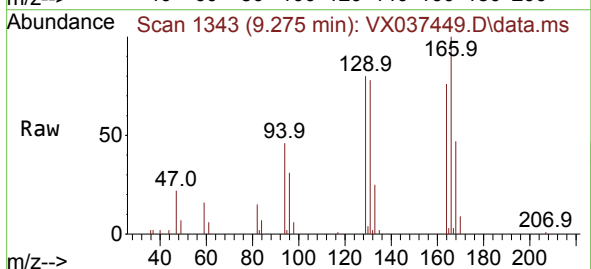
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

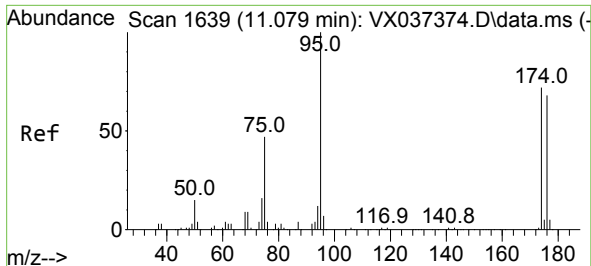
Tgt Ion: 43 Resp: 953  
Ion Ratio Lower Upper  
43 100  
58 227.8 30.4 45.6#



#60  
Dibromochloromethane  
Concen: 3.241 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.244 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion: 129 Resp: 6141  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

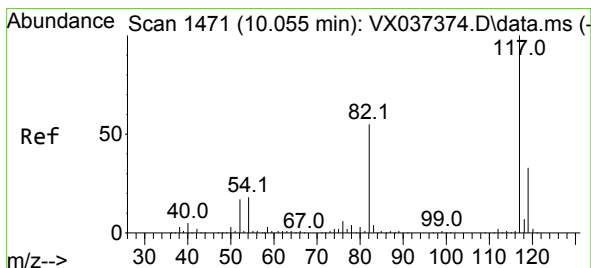
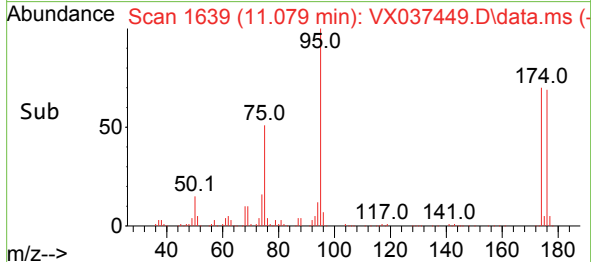
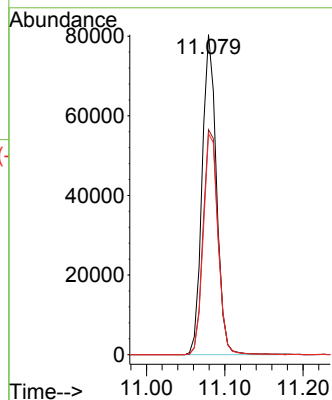
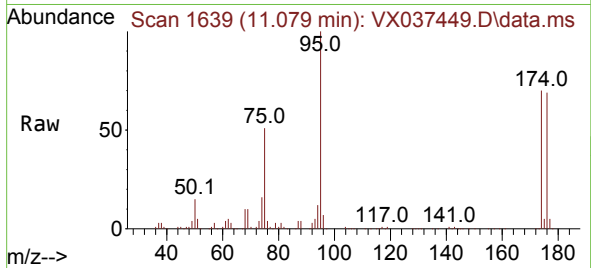




#62  
4-Bromofluorobenzene  
Concen: 44.081 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

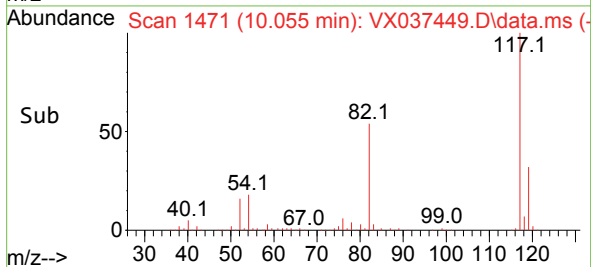
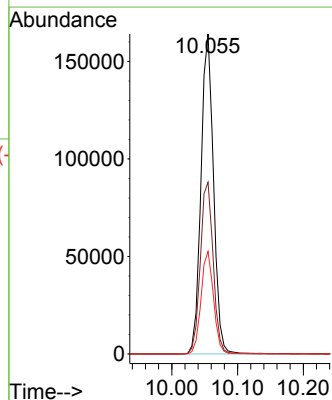
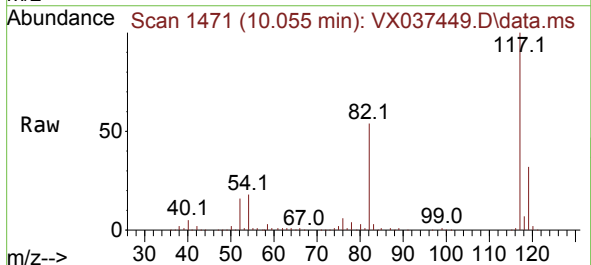
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

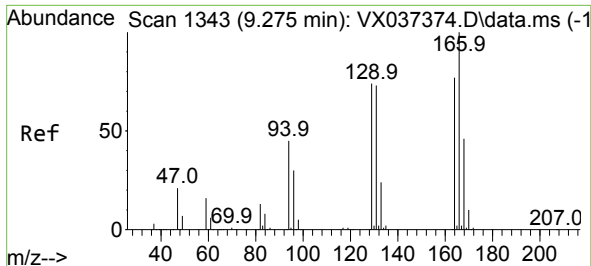
Tgt Ion: 95 Resp: 102015  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 135.6  
176 71.1 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

Tgt Ion: 117 Resp: 217671  
Ion Ratio Lower Upper  
117 100  
82 53.7 46.2 69.4  
119 32.1 25.5 38.3

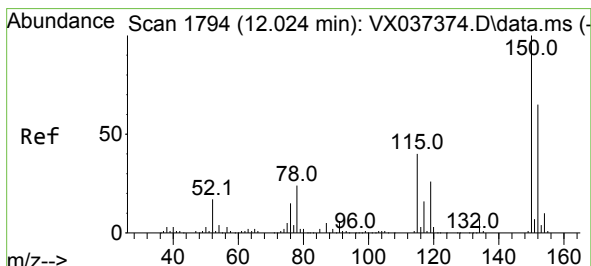
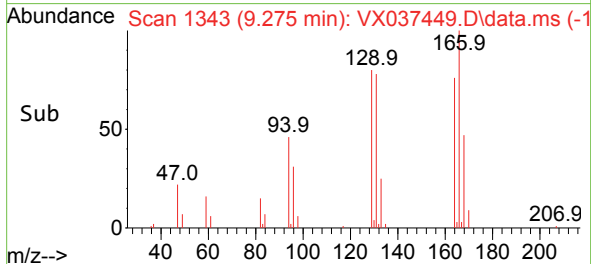
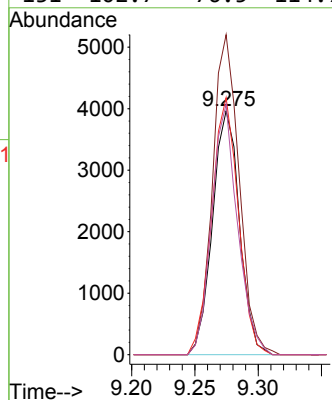
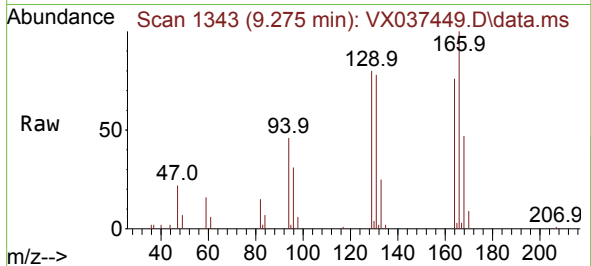




#64  
Tetrachloroethene  
Concen: 3.695 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

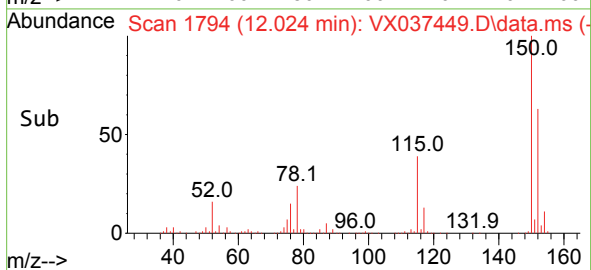
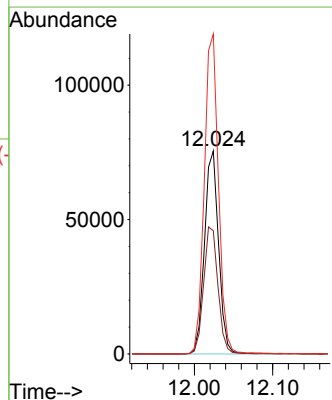
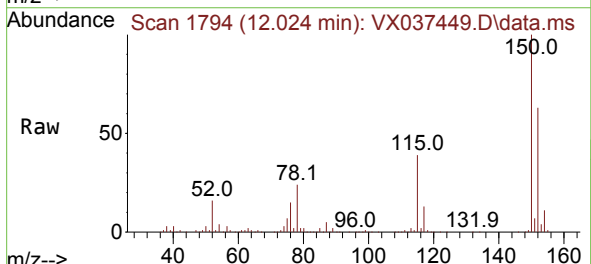
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-14A-17.5-083023

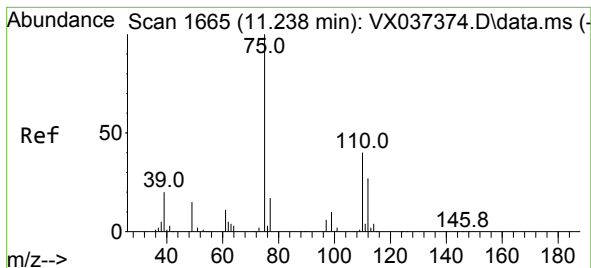
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 5867        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 166         | 131.3 | 102.7 154.1 |
| 129         | 105.4 | 80.4 120.6  |
| 131         | 102.7 | 76.5 114.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX037449.D  
Acq: 31 Aug 2023 22:45

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 94439       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 63.6  | 43.3 129.9  |
| 150         | 158.4 | 0.0 345.0   |





#76

1,2,3-Trichloropropane

Concen: 24.899 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037449.D

Acq: 31 Aug 2023 22:45

Instrument :

MSVOA\_X

ClientSampleId :

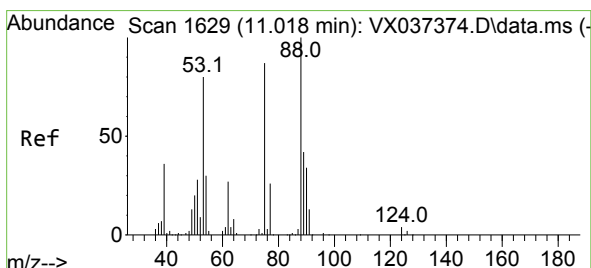
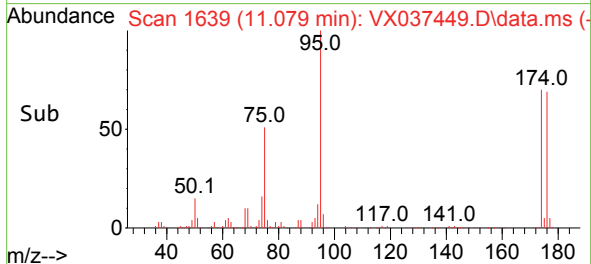
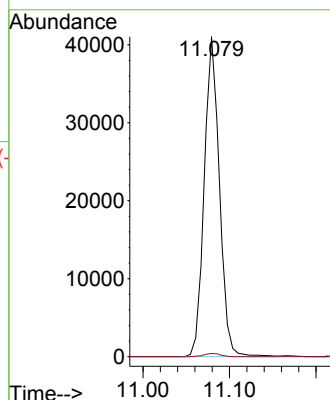
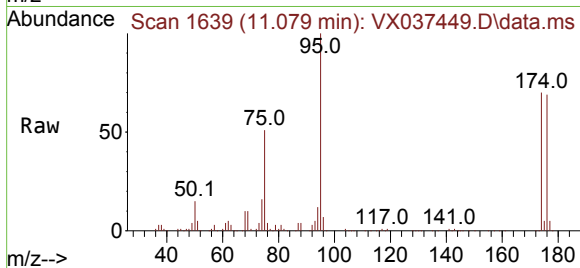
MW-14A-17.5-083023

Tgt Ion: 75 Resp: 50078

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037449.D

Acq: 31 Aug 2023 22:45

Tgt Ion: 75 Resp: 50078

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

