

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082523\  
 Data File : VX037269.D  
 Acq On : 25 Aug 2023 14:20  
 Operator : JC/MD  
 Sample : 04077-07DL 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D2-20230817DL

Quant Time: Aug 26 02:20:56 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

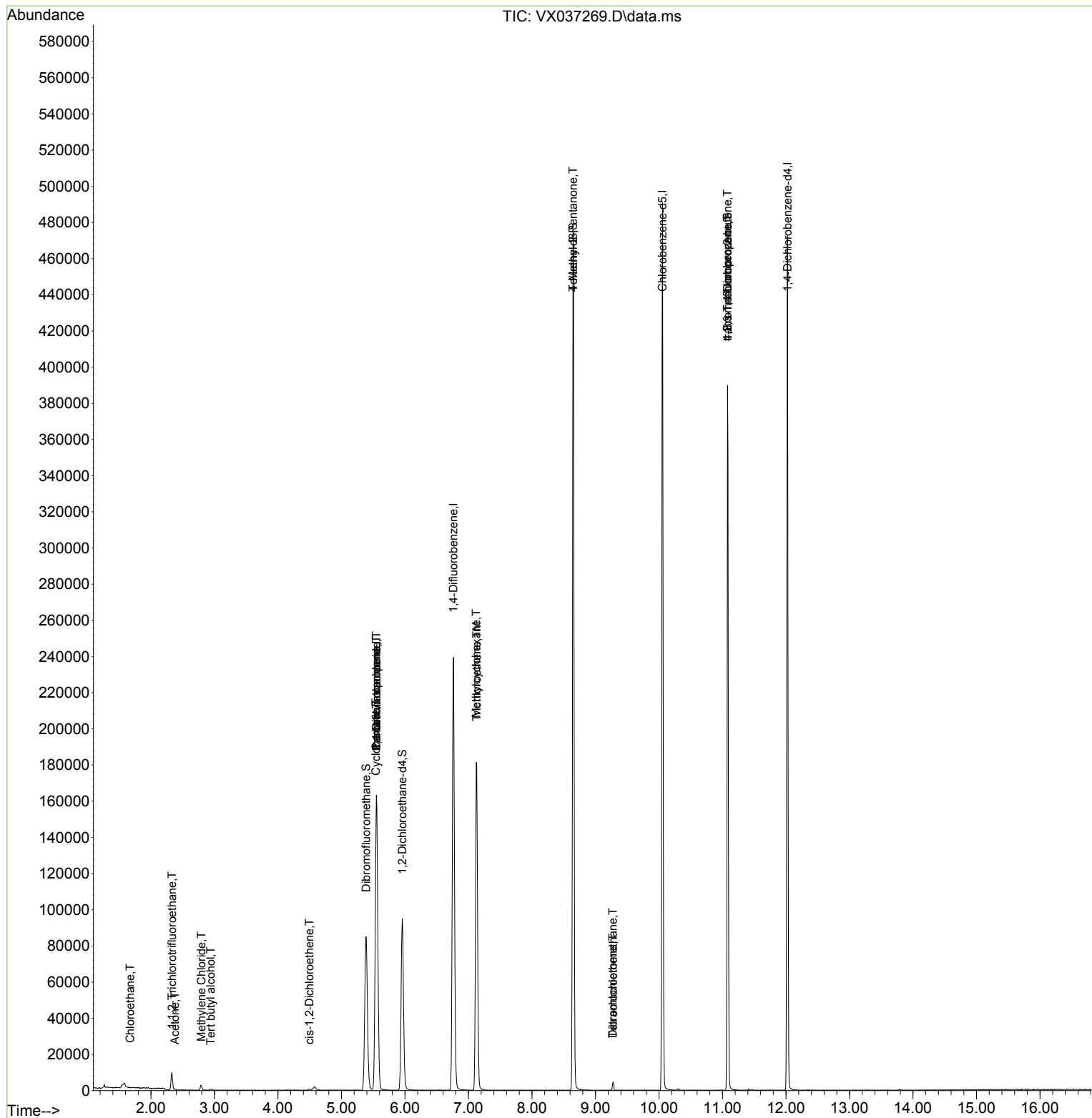
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 152535   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 248381   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 224154   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 100758   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 93787    | 42.649   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 85.300%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 77491    | 47.108   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 94.220%  |
| 50) Toluene-d8                | 8.647  | 98    | 291545   | 48.860   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 97.720%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 108499   | 46.270   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 92.540%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Chloroethane               | 1.673  | 64    | 217      | 0.219    | ug/l # | 43       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101   | 3665     | 2.273    | ug/l   | 98       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 387      | 0.750    | ug/l # | 78       |
| 16) Acetone                   | 2.380  | 43    | 669      | 0.778    | ug/l # | 86       |
| 20) Methylene Chloride        | 2.794  | 84    | 1656     | 0.861    | ug/l # | 72       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 531      | 0.252    | ug/l   | 33       |
| 31) Cyclohexane               | 5.544  | 56    | 3045     | 1.231    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11925    | 5.103    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 16262    | 6.406    | ug/l # | 16       |
| 39) Methylcyclohexane         | 7.123  | 83    | 850      | 0.346    | ug/l # | 1        |
| 44) Trichloroethene           | 7.129  | 130   | 73509    | 38.677   | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1114     | 0.484    | ug/l # | 1        |
| 60) Dibromochloromethane      | 9.275  | 129   | 806      | 0.420    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 852      | 0.521    | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 54454    | 25.377   | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 54454    | 70.879   | ug/l # | 5        |
| -----                         |        |       |          |          |        |          |

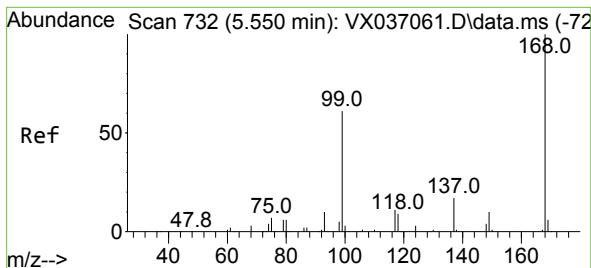
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082523\  
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ClientSampleId :  
RE120D2-20230817DL

Quant Time: Aug 26 02:20:56 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: VX037269.D

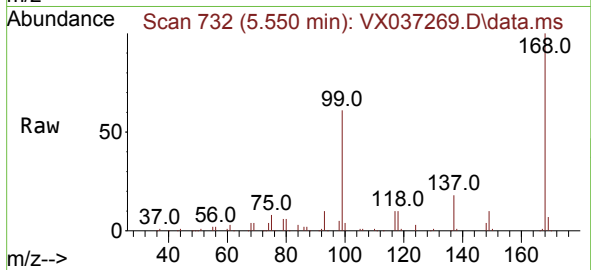
Acq: 25 Aug 2023 14:20

Instrument :

MSVOA\_X

ClientSampleId :

RE120D2-20230817DL

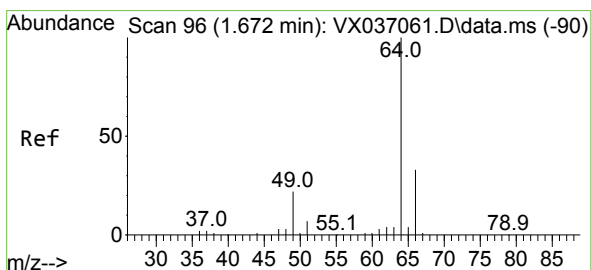
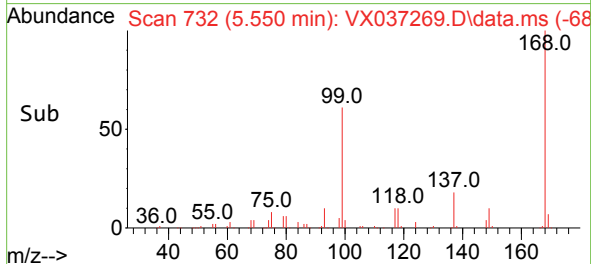
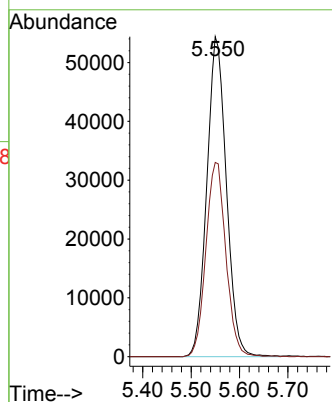


Tgt Ion:168 Resp: 152535

Ion Ratio Lower Upper

168 100

99 60.7 56.6 85.0



#6

Chloroethane

Concen: 0.219 ug/l

RT: 1.673 min Scan# 96

Delta R.T. 0.001 min

Lab File: VX037269.D

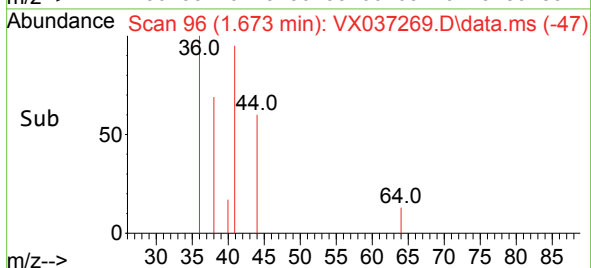
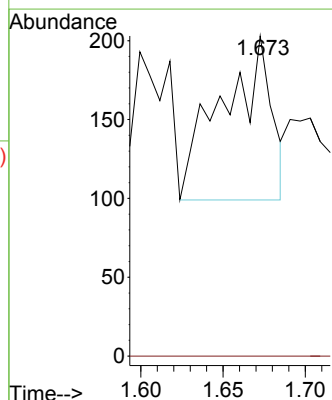
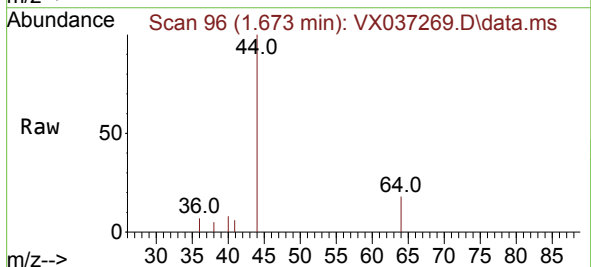
Acq: 25 Aug 2023 14:20

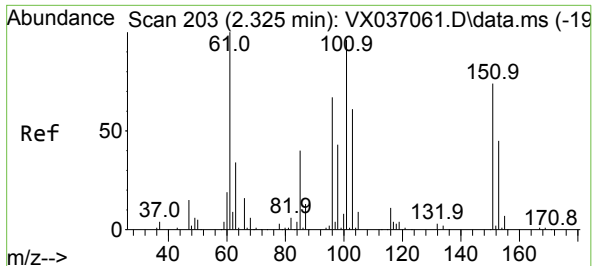
Tgt Ion: 64 Resp: 217

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

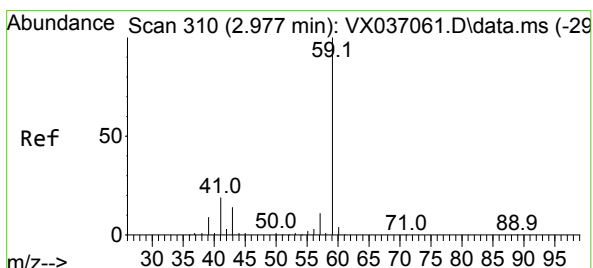
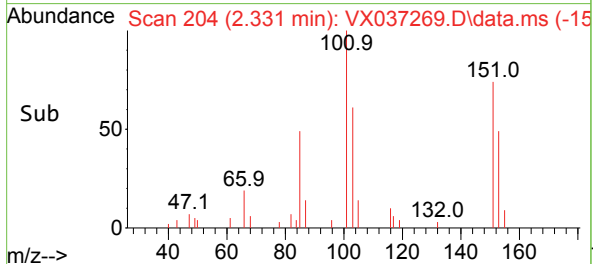
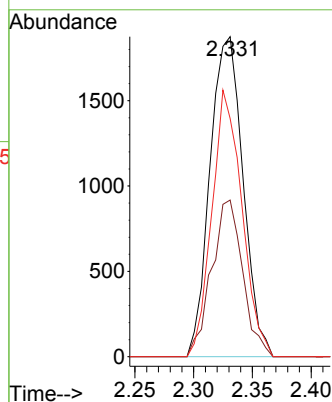
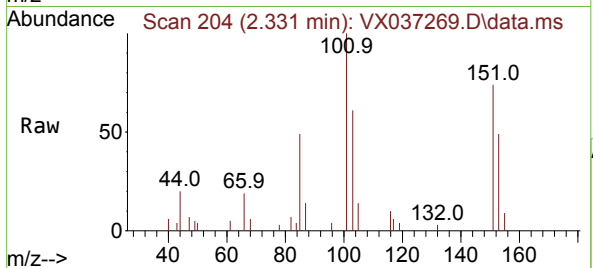




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.273 ug/l  
RT: 2.331 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

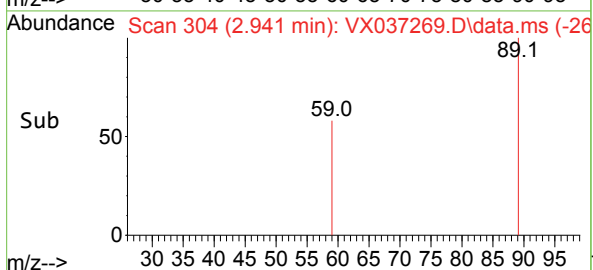
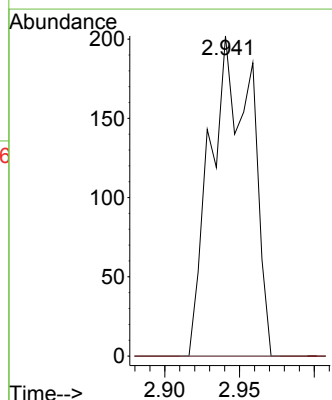
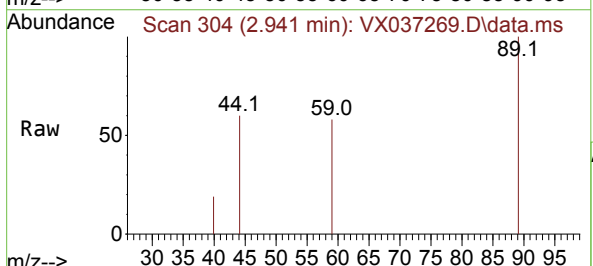
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

Tgt Ion:101 Resp: 3665  
Ion Ratio Lower Upper  
101 100  
85 46.0 37.0 55.6  
151 75.7 58.6 87.8



#11  
Tert butyl alcohol  
Concen: 0.750 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.036 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Tgt Ion: 59 Resp: 387  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#





#16

Acetone

Concen: 0.778 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037269.D

Acq: 25 Aug 2023 14:20

Instrument :

MSVOA\_X

ClientSampleId :

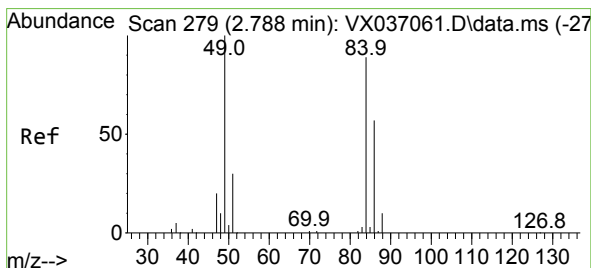
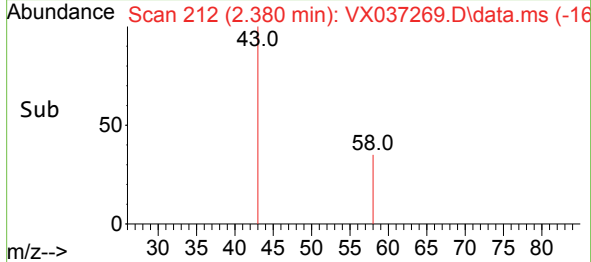
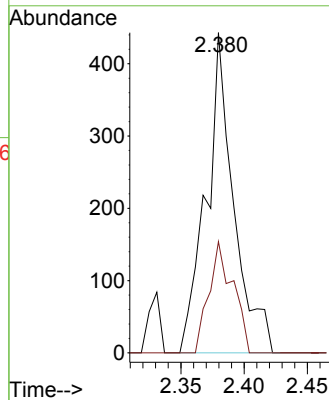
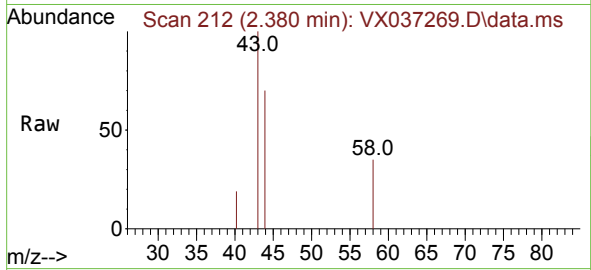
RE120D2-20230817DL

Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 34.8 21.9 32.9#



#20

Methylene Chloride

Concen: 0.861 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037269.D

Acq: 25 Aug 2023 14:20

Tgt Ion: 84 Resp: 1656

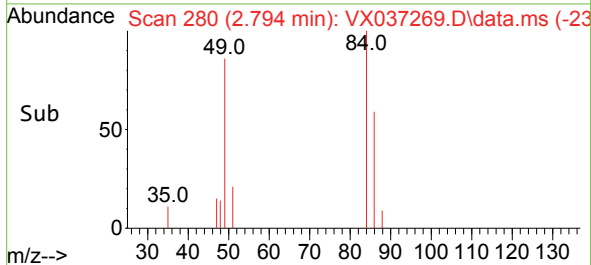
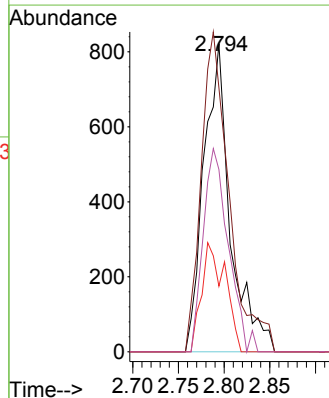
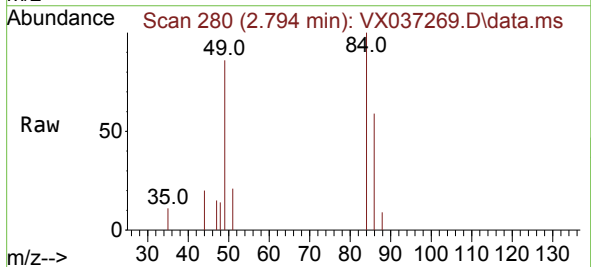
Ion Ratio Lower Upper

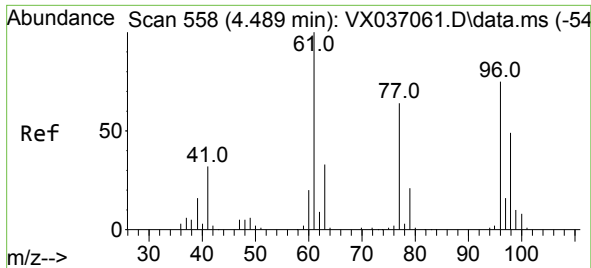
84 100

49 85.6 103.6 155.4#

51 21.3 33.8 50.6#

86 59.1 49.4 74.0

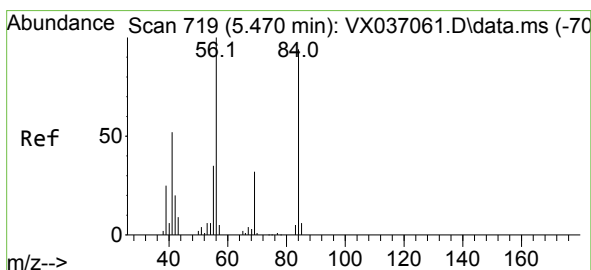
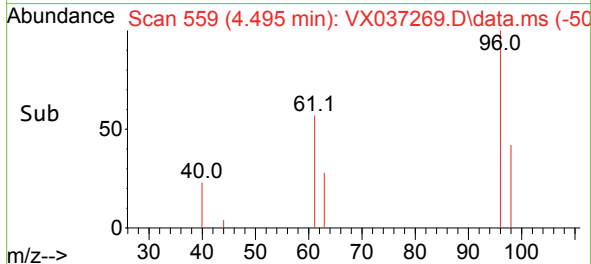
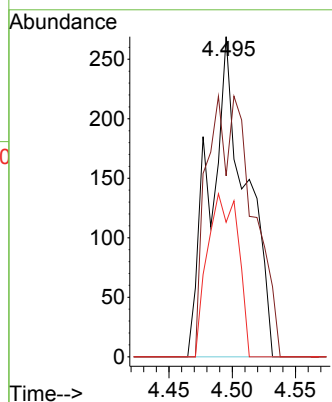
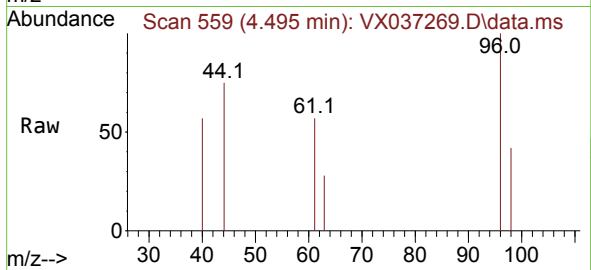




#27  
cis-1,2-Dichloroethene  
Concen: 0.252 ug/l  
RT: 4.495 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

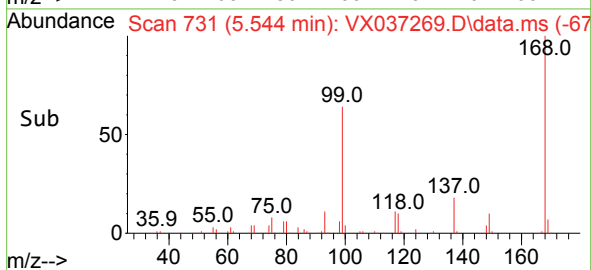
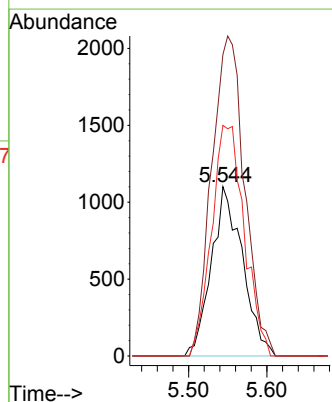
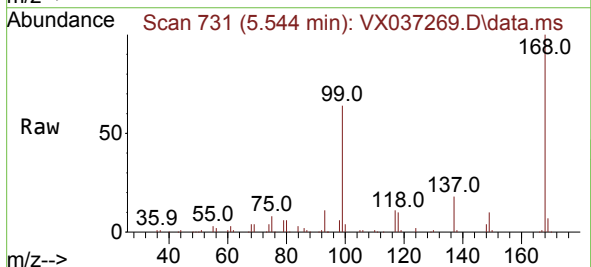
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

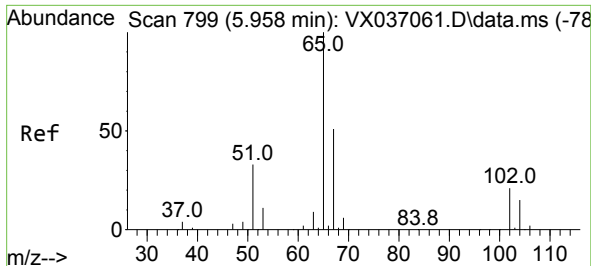
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 531   |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 48.0     | 0.0 312.2   |
| 98 43.3     | 0.0 129.0   |



#31  
Cyclohexane  
Concen: 1.231 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.073 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

|             |            |       |  |
|-------------|------------|-------|--|
| Tgt Ion: 56 | Resp: 3045 |       |  |
| Ion Ratio   | Lower      | Upper |  |
| 56 100      |            |       |  |
| 69 178.0    | 23.4       | 35.2# |  |
| 84 136.2    | 65.9       | 98.9# |  |

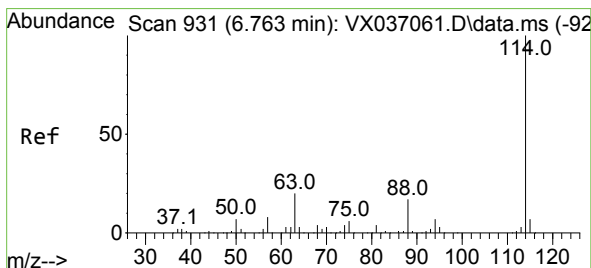
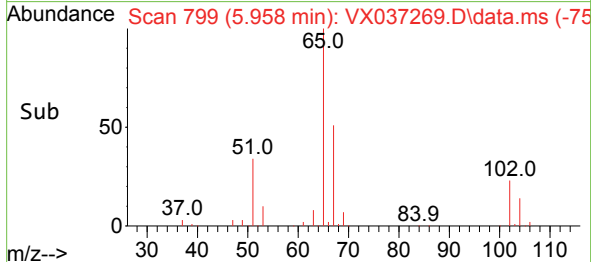
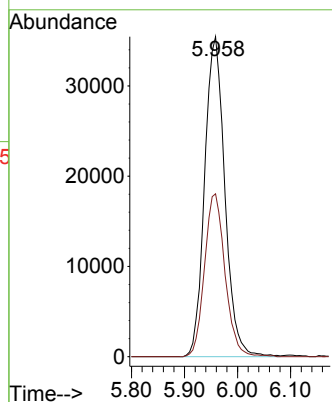
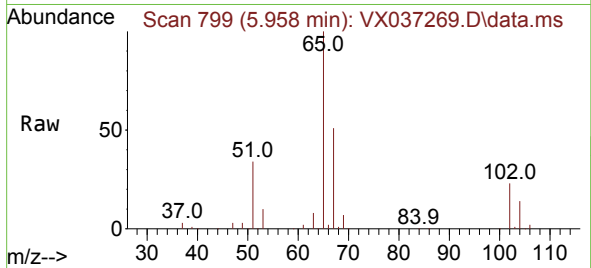




#33  
1,2-Dichloroethane-d4  
Concen: 42.649 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

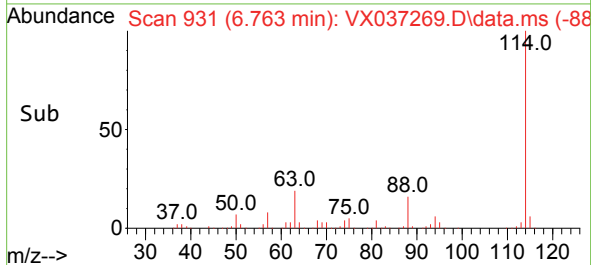
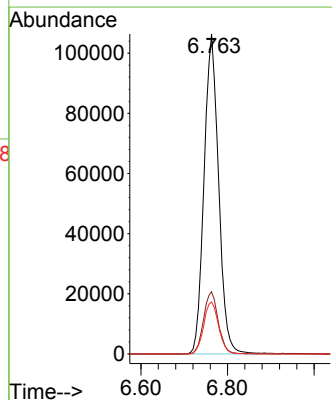
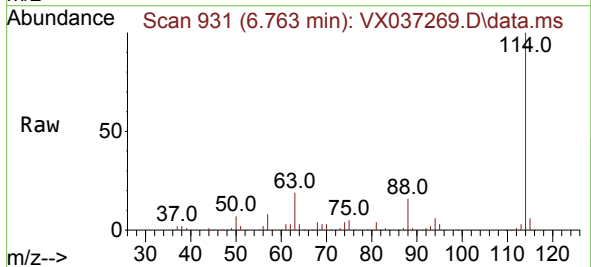
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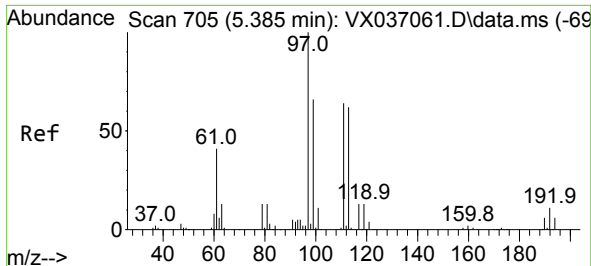
Tgt Ion: 65 Resp: 93787  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 100.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Tgt Ion: 114 Resp: 248381  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 45.0  
88 16.3 0.0 36.6

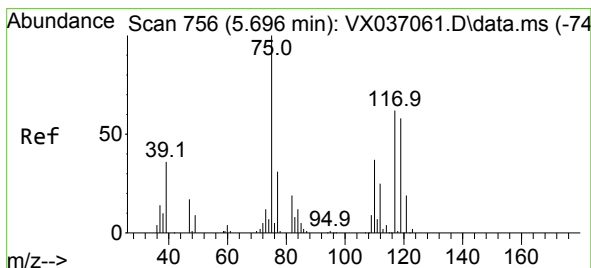
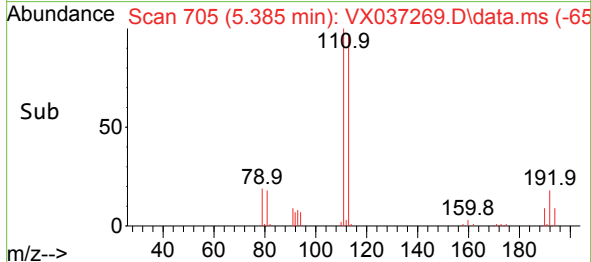
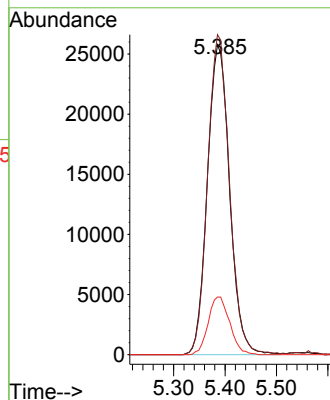
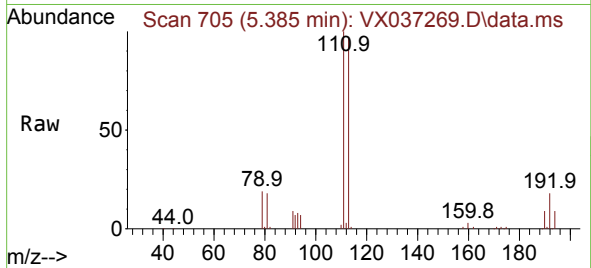




#35  
 Dibromofluoromethane  
 Concen: 47.108 ug/l  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX037269.D  
 Acq: 25 Aug 2023 14:20

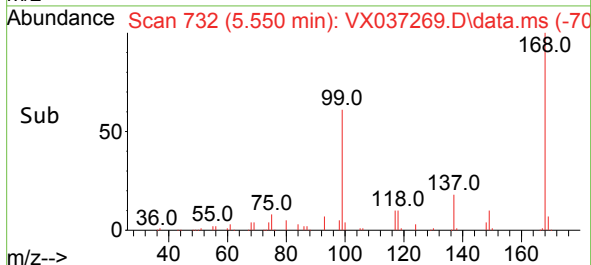
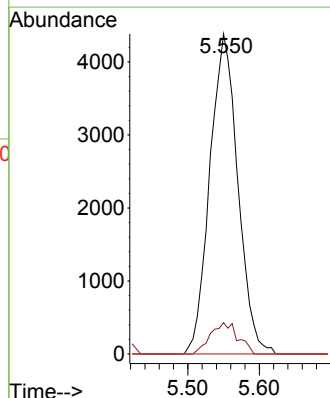
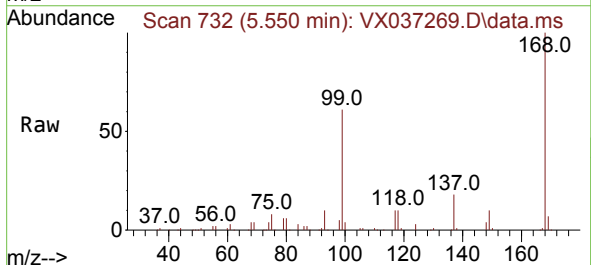
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE120D2-20230817DL

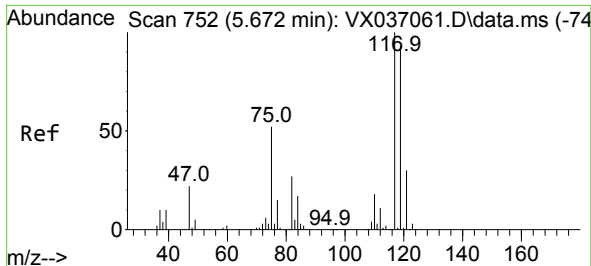
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|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 77491 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.6 | 82.9  | 124.3 |
| 192      | 18.0  | 13.3  | 19.9  |



#36  
 1,1-Dichloropropene  
 Concen: 5.103 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.146 min  
 Lab File: VX037269.D  
 Acq: 25 Aug 2023 14:20

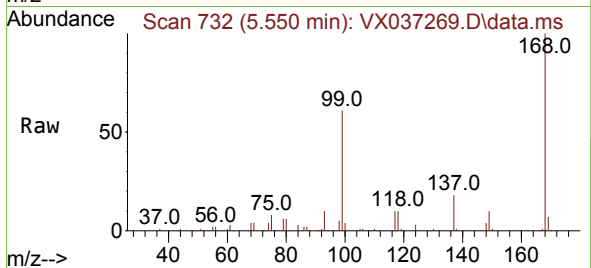
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11925 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.6   | 17.0  | 50.9# |
| 77       | 0.0   | 24.7  | 37.1# |



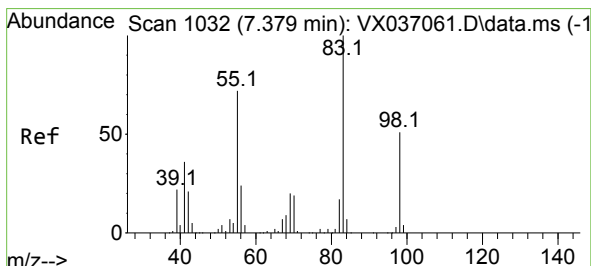
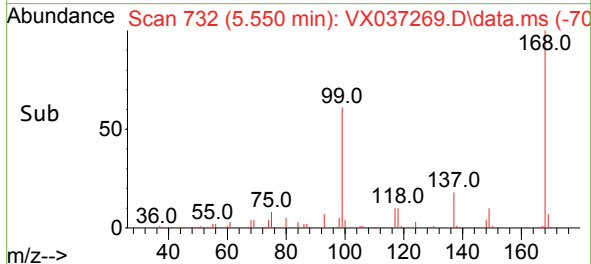
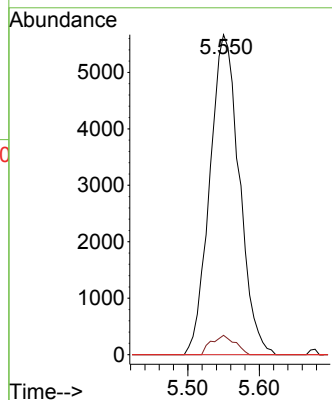


#38  
Carbon Tetrachloride  
Concen: 6.406 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

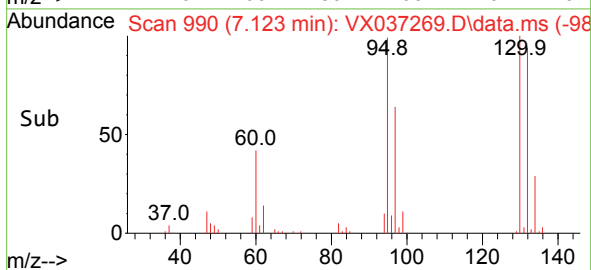
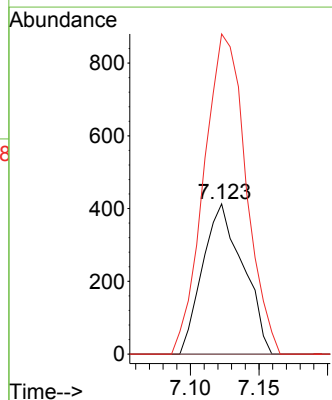
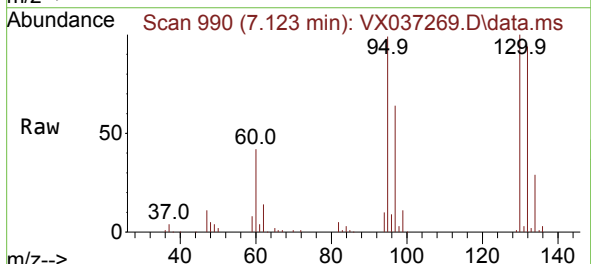


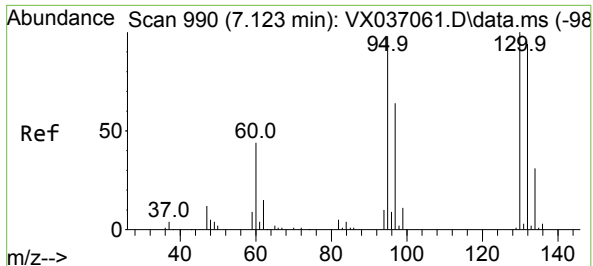
Tgt Ion:117 Resp: 16262  
Ion Ratio Lower Upper  
117 100  
119 6.0 78.2 117.2#  
121 0.0 24.4 36.6#



#39  
Methylcyclohexane  
Concen: 0.346 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.256 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Tgt Ion: 83 Resp: 850  
Ion Ratio Lower Upper  
83 100  
55 0.0 64.6 97.0#  
98 213.1 36.7 55.1#

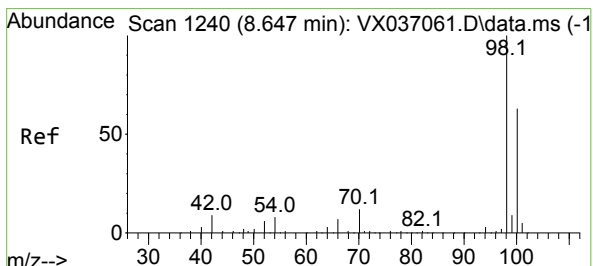
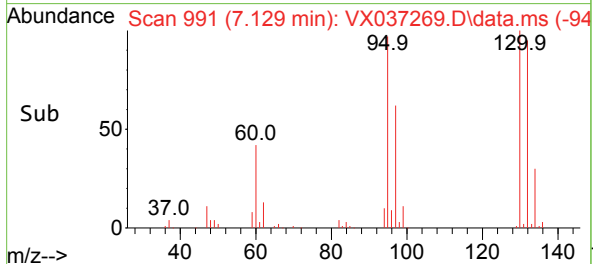
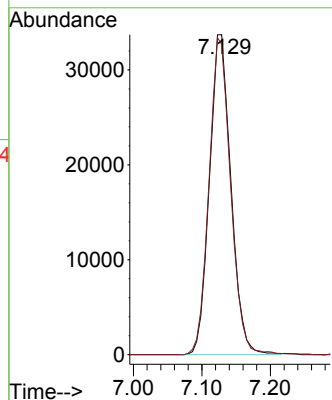
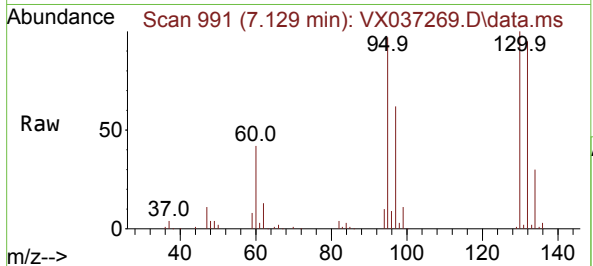




#44  
Trichloroethene  
Concen: 38.677 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

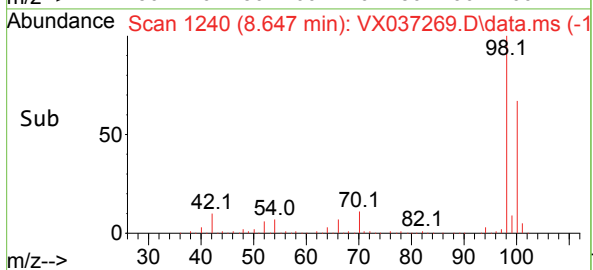
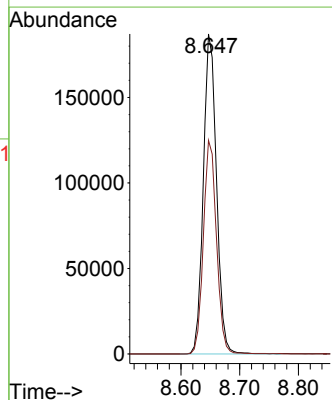
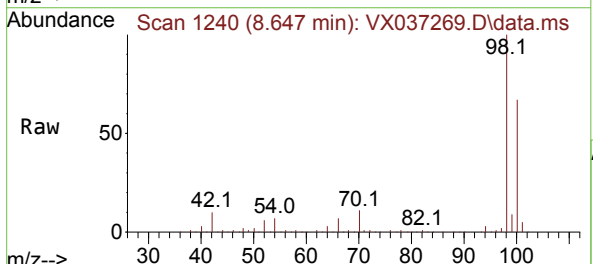
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

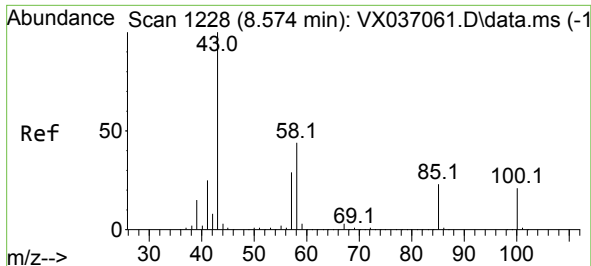
Tgt Ion:130 Resp: 73509  
Ion Ratio Lower Upper  
130 100  
95 97.0 0.0 204.4



#50  
Toluene-d8  
Concen: 48.860 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Tgt Ion: 98 Resp: 291545  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.1 79.7

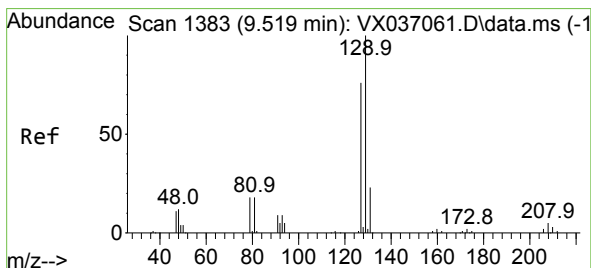
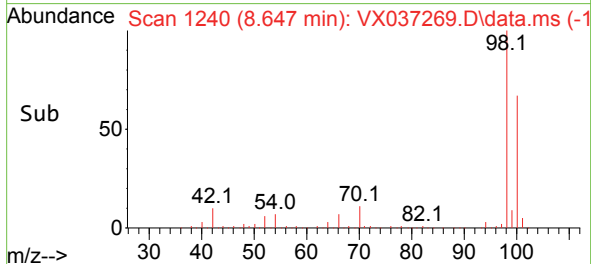
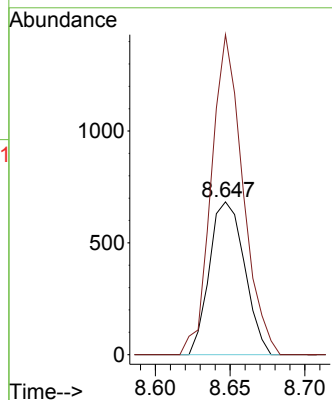
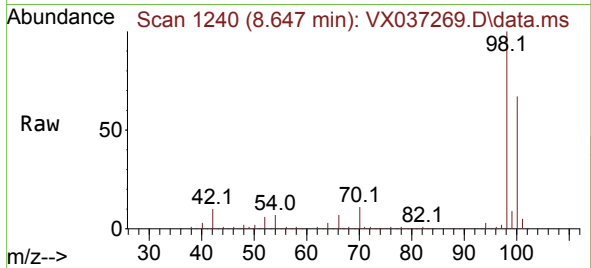




#51  
4-Methyl-2-Pentanone  
Concen: 0.484 ug/l  
RT: 8.647 min Scan# 1114  
Delta R.T. 0.073 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

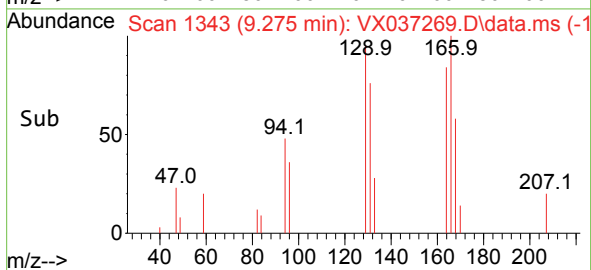
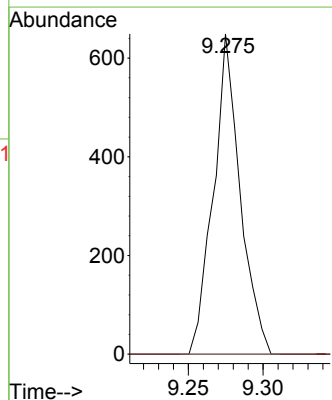
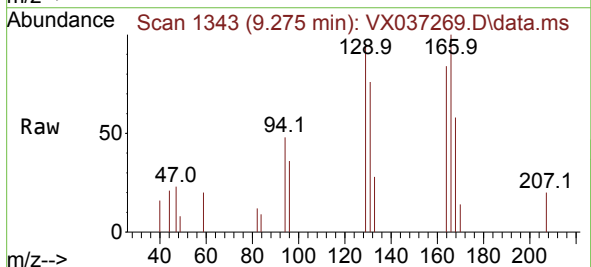
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

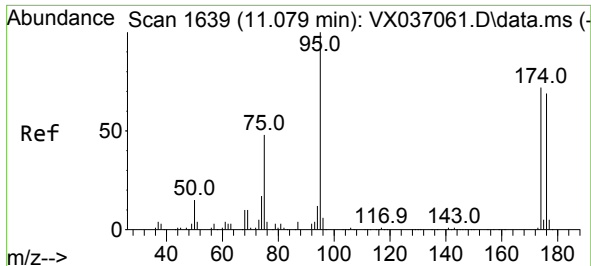
Tgt Ion: 43 Resp: 1114  
Ion Ratio Lower Upper  
43 100  
58 188.3 30.4 45.6#



#60  
Dibromochloromethane  
Concen: 0.420 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.244 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

Tgt Ion: 129 Resp: 806  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

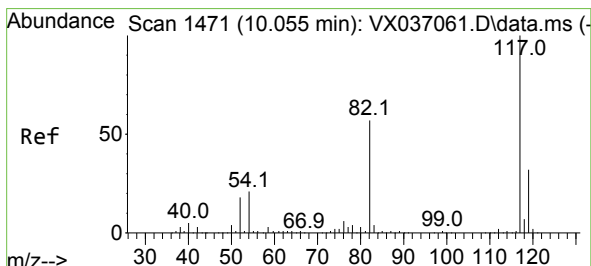
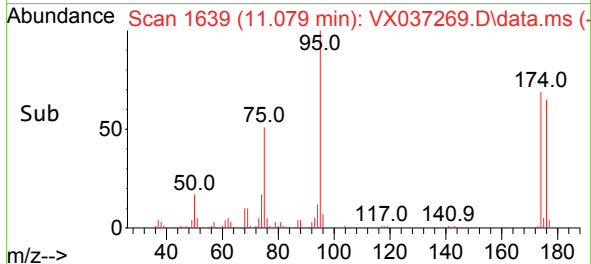
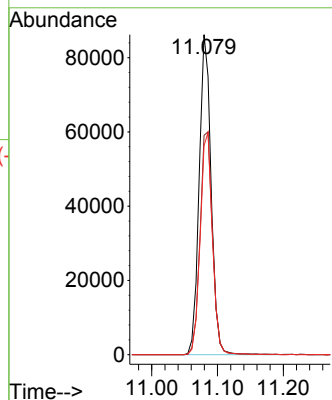
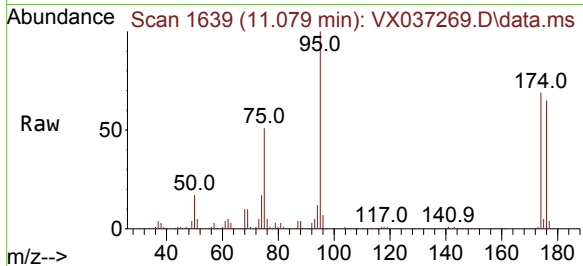




#62  
4-Bromofluorobenzene  
Concen: 46.270 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

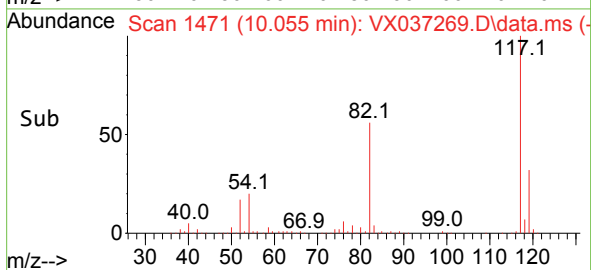
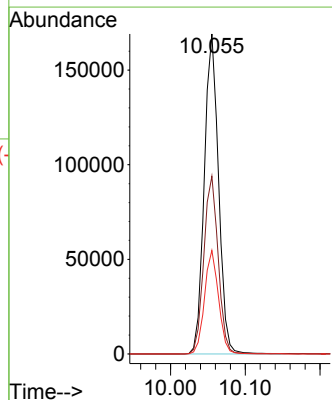
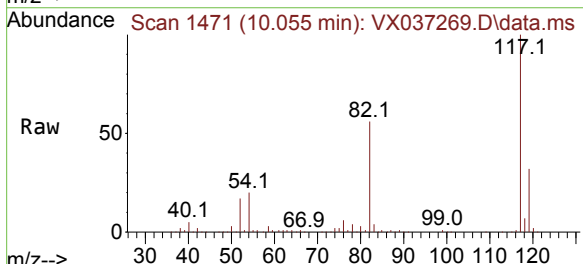
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL

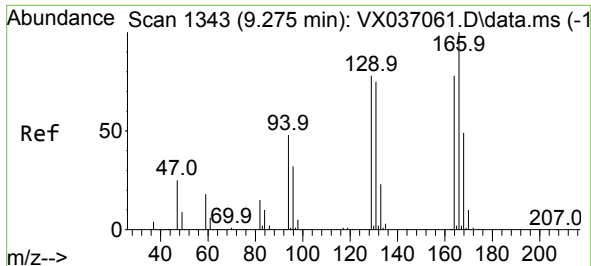
Tgt Ion: 95 Resp: 108499  
Ion Ratio Lower Upper  
95 100  
174 73.1 0.0 135.6  
176 70.9 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

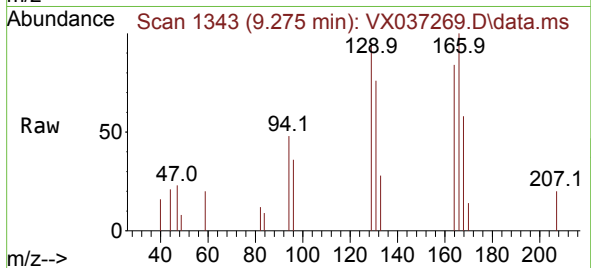
Tgt Ion: 117 Resp: 224154  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.2 69.4  
119 32.4 25.5 38.3



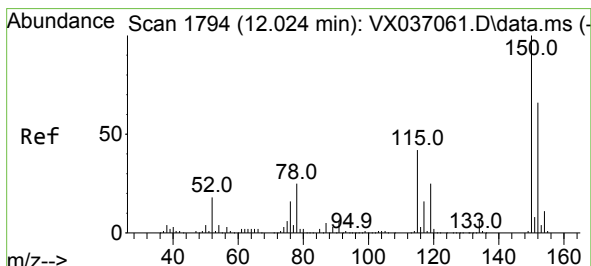
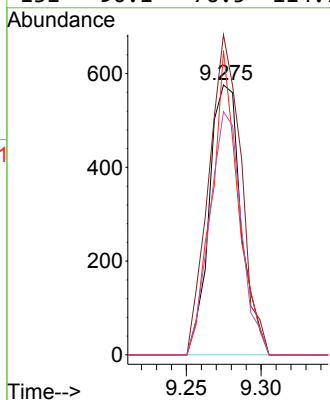
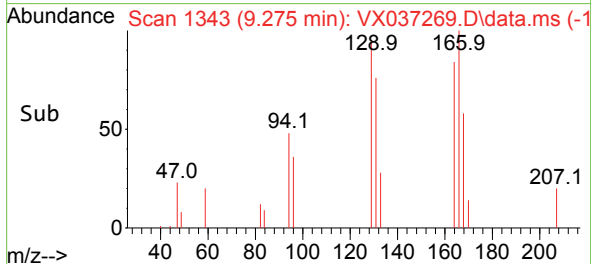


#64  
Tetrachloroethene  
Concen: 0.521 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20

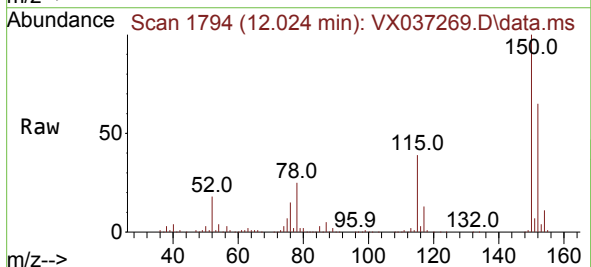
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE120D2-20230817DL



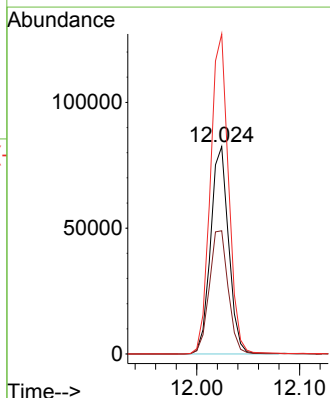
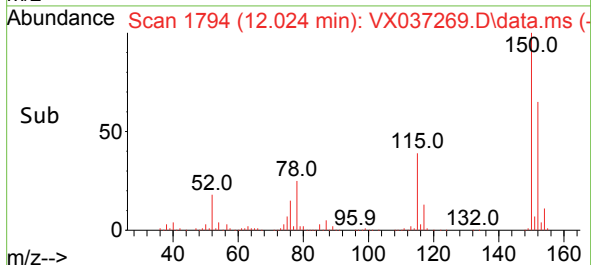
Tgt Ion:164 Resp: 852  
Ion Ratio Lower Upper  
164 100  
166 118.6 102.7 154.1  
129 112.7 80.4 120.6  
131 90.1 76.5 114.7

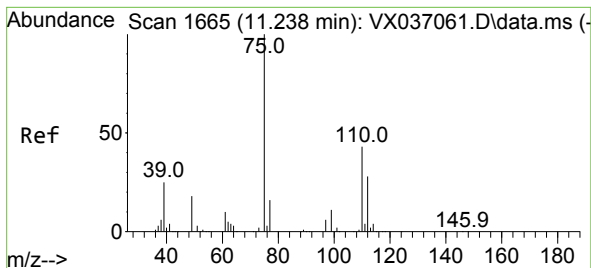


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX037269.D  
Acq: 25 Aug 2023 14:20



Tgt Ion:152 Resp: 100758  
Ion Ratio Lower Upper  
152 100  
115 62.4 43.3 129.9  
150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.377 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037269.D

Acq: 25 Aug 2023 14:20

Instrument :

MSVOA\_X

ClientSampleId :

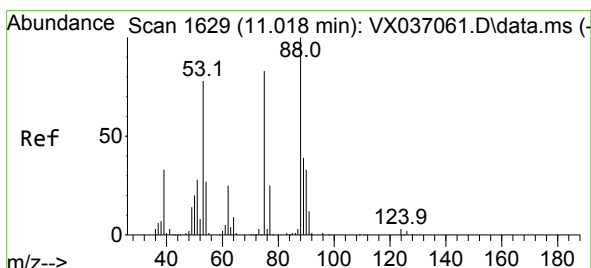
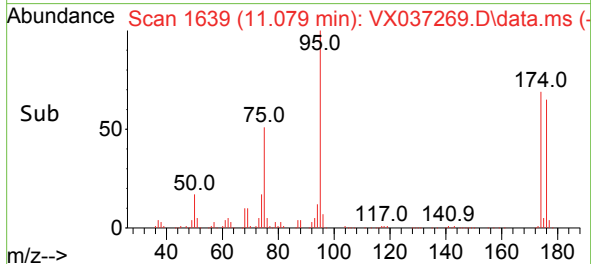
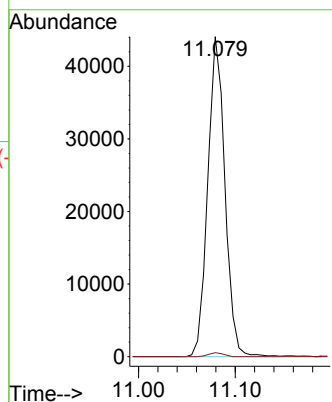
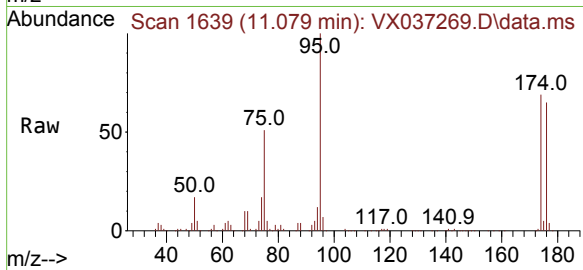
RE120D2-20230817DL

Tgt Ion: 75 Resp: 54454

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.879 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037269.D

Acq: 25 Aug 2023 14:20

Tgt Ion: 75 Resp: 54454

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

