

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW051523\  
 Data File : VW031021.D  
 Acq On : 15 May 2023 10:59  
 Operator : SY/MD  
 Sample : 02790-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CONX7

Quant Time: May 15 12:16:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat May 06 01:44:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 126894   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.793  | 117   | 125900   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152   | 62698    | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 62124    | 5.942    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 118.800%  |
| 7) Chloroethane-d5            | 1.539  | 69    | 47622    | 5.584    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 111.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 65    | 25461    | 4.602    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 92.000%   |
| 20) 2-Butanone-d5             | 3.815  | 46    | 145561   | 78.514   | ug/L   | -0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 157.020%# |
| 24) Chloroform-d              | 4.262  | 84    | 110913   | 5.338    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 106.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.953  | 65    | 59010    | 5.587    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 111.800%  |
| 32) Benzene-d6                | 4.970  | 84    | 198541   | 5.380    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 107.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.002  | 67    | 60871    | 5.673    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 113.400%  |
| 41) Toluene-d8                | 7.252  | 98    | 172717   | 4.915    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.200%   |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 21135    | 5.254    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 105.000%  |
| 46) 2-Hexanone-d5             | 8.034  | 63    | 76750    | 54.459   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 108.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84    | 40987    | 5.270    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152   | 63600    | 5.442    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 108.800%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 3) Chloromethane              | 1.221  | 50    | 1460     | 0.124    | ug/L # | 75        |
| 5) Vinyl chloride             | 1.285  | 62    | 1555623  | 157.993  | ug/L   | 100       |
| 6) Bromomethane               | 1.494  | 94    | 449      | 0.096    | ug/L   | 93        |
| 8) Chloroethane               | 1.555  | 64    | 27868    | 4.650    | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101   | 1807     | 0.195    | ug/L # | 61        |
| 12) 1,1-Dichloroethene        | 2.076  | 96    | 191730   | 22.451   | ug/L # | 65        |
| 13) Acetone                   | 2.143  | 43    | 4468     | 2.821    | ug/L   | 98        |
| 18) trans-1,2-Dichloroethene  | 2.703  | 96    | 246624   | 31.617   | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 3.124  | 63    | 7604     | 0.505    | ug/L   | 90        |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96    | 12110962 | 1471.539 | ug/L   | 93        |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97    | 32703    | 2.067    | ug/L   | 99        |
| 31) Carbon tetrachloride      | 4.529  | 117   | 4101     | 0.289    | ug/L   | 100       |
| 35) Methylcyclohexane         | 5.867  | 83    | 694025   | 53.050   | ug/L # | 1         |
| 37) 1,2-Dichloropropane       | 6.005  | 63    | 8346     | 1.111    | ug/L # | 88        |
| 40) 4-Methyl-2-pentanone      | 7.178  | 43    | 3567     | 0.916    | ug/L # | 68        |
| 42) Toluene                   | 7.323  | 91    | 159252   | 4.671    | ug/L   | 100       |
| 44) trans-1,3-Dichloropropene | 7.568  | 75    | 1349     | 0.141    | ug/L # | 56        |
| 47) Tetrachloroethene         | 7.918  | 164   | 3109     | 0.386    | ug/L   | 81        |
| 52) Ethylbenzene              | 8.957  | 91    | 2003     | 0.054    | ug/L   | 98        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051523\  
Data File : VV031021.D  
Acq On : 15 May 2023 10:59  
Operator : SY/MD  
Sample : 02790-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

Quant Time: May 15 12:16:46 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat May 06 01:44:36 2023  
Response via : Initial Calibration

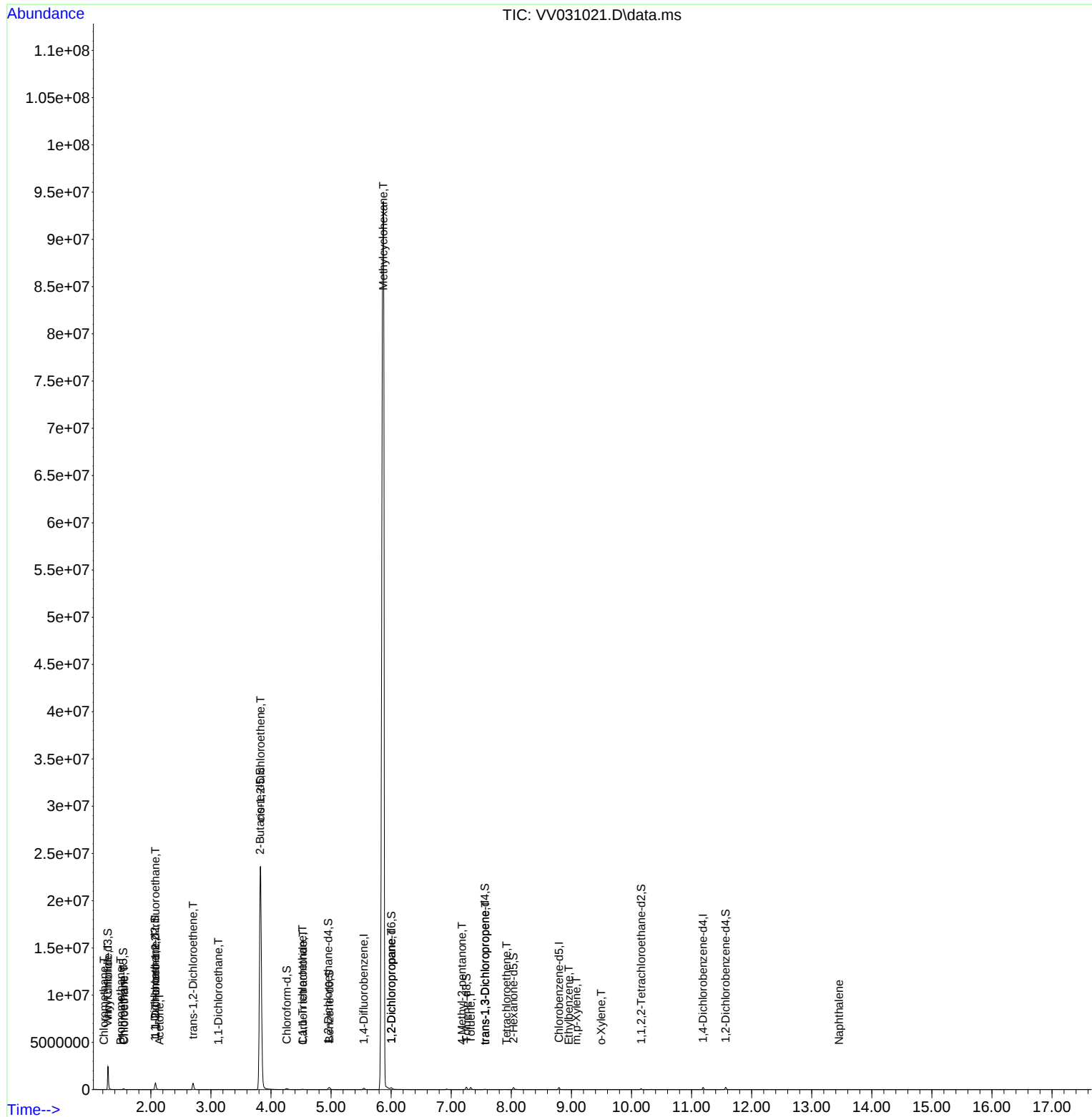
| Compound        | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------|--------|------|----------|-------|--------|----------|
| 53) m,p-Xylene  | 9.082  | 106  | 3181     | 0.214 | ug/L   | 94       |
| 54) o-Xylene    | 9.493  | 106  | 1389     | 0.098 | ug/L   | 69       |
| 71) Naphthalene | 13.455 | 128  | 1498     | 0.099 | ug/L # | 79       |

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

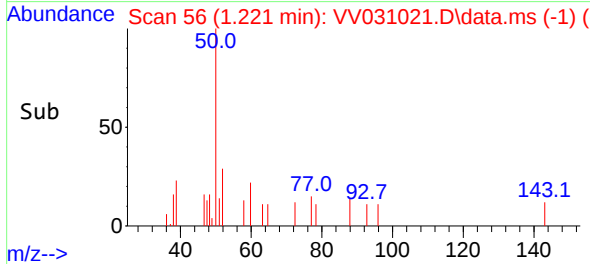
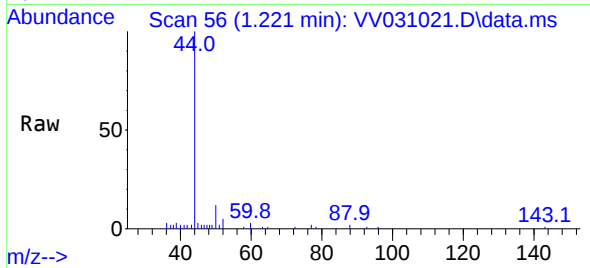
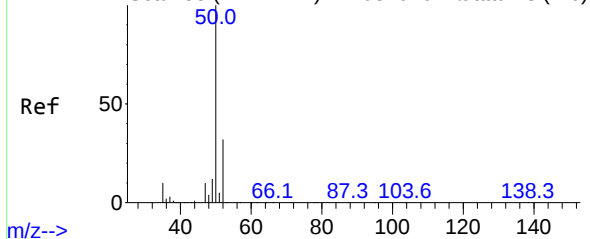
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV051523\  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
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Abundance Scan 55 (1.217 min): VV031010.D\data.ms (-46)



#3

Chloromethane

Concen: 0.124 ug/L

RT: 1.221 min Scan# 50

Delta R.T. 0.003 min

Lab File: VV031021.D

Acq: 15 May 2023 10:59

Instrument :

MSVOA\_V

ClientSampleId :

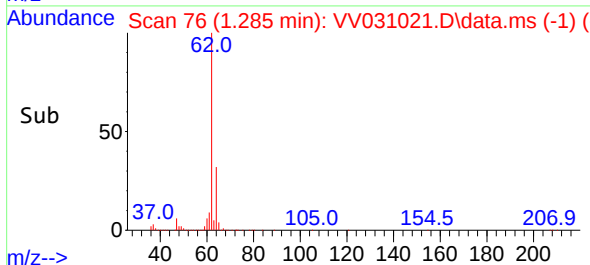
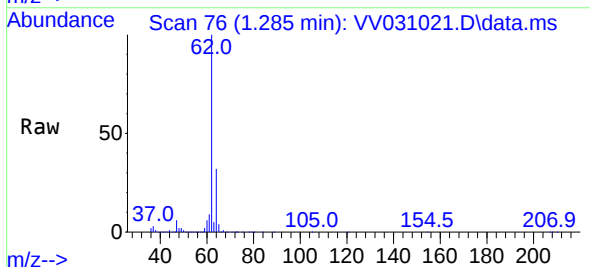
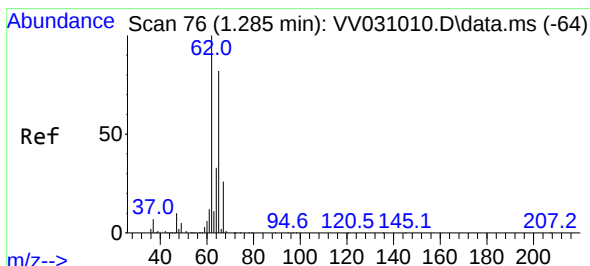
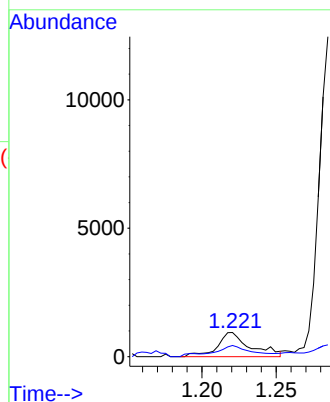
CONX7

Tgt Ion: 50 Resp: 1460

Ion Ratio Lower Upper

50 100

52 46.4 22.8 42.4#



#5

Vinyl chloride

Concen: 157.993 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031021.D

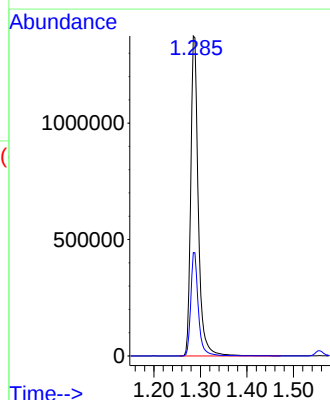
Acq: 15 May 2023 10:59

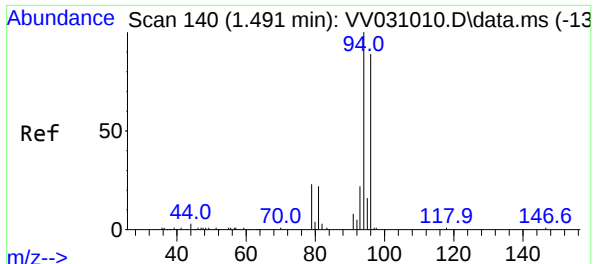
Tgt Ion: 62 Resp: 1555623

Ion Ratio Lower Upper

62 100

64 32.3 22.8 42.4

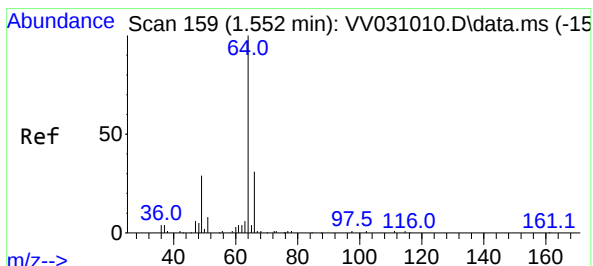
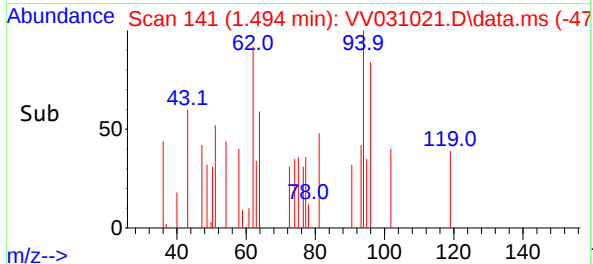
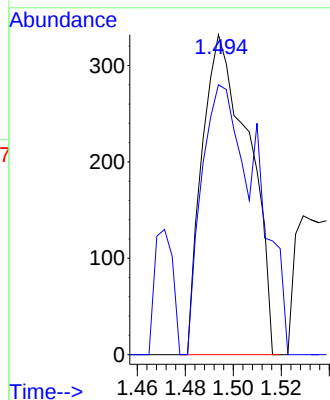
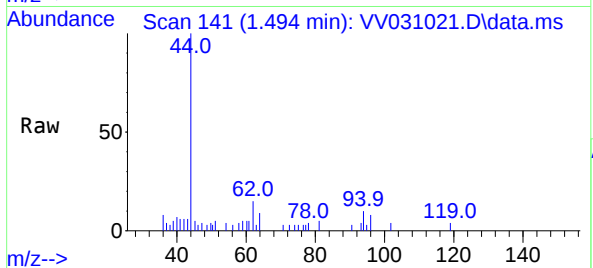




#6  
Bromomethane  
Concen: 0.096 ug/L  
RT: 1.494 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

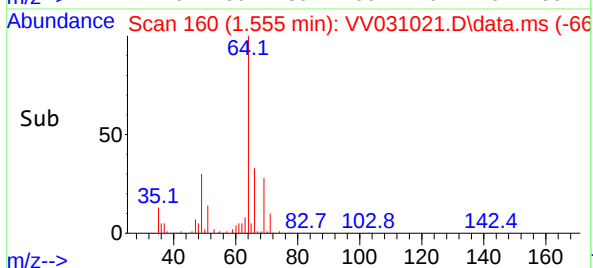
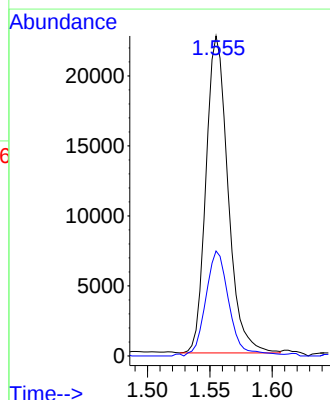
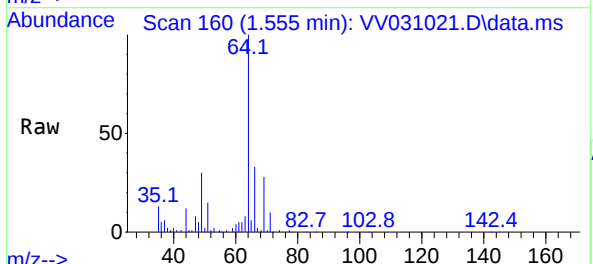
Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

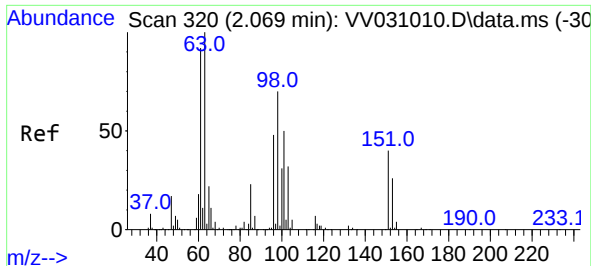
Tgt Ion: 94 Resp: 449  
Ion Ratio Lower Upper  
94 100  
96 84.3 63.4 117.8



#8  
Chloroethane  
Concen: 4.650 ug/L  
RT: 1.555 min Scan# 160  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 64 Resp: 27868  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.1 41.1

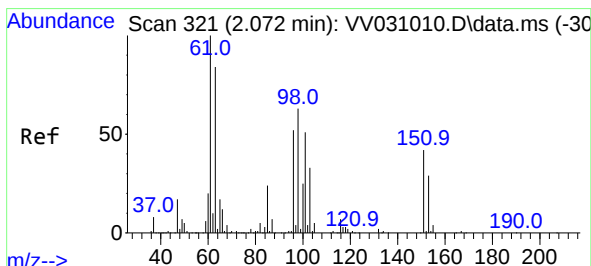
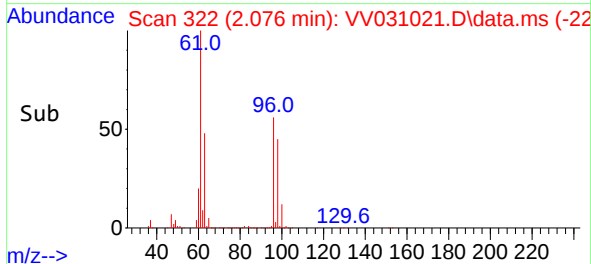
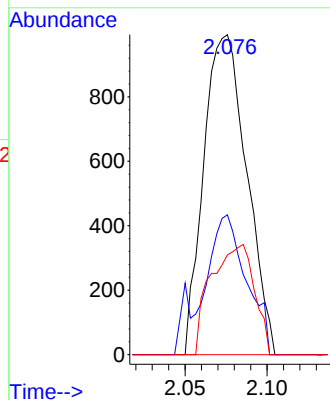
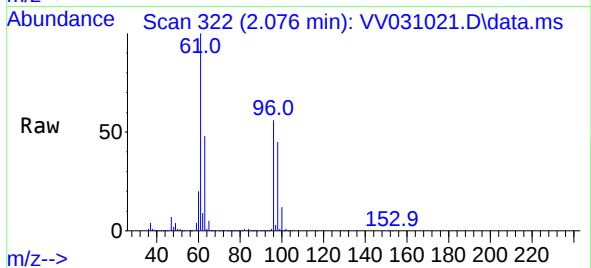




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.195 ug/L  
RT: 2.076 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

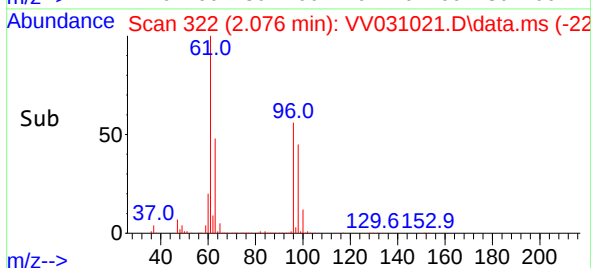
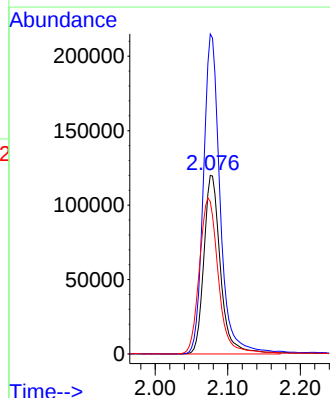
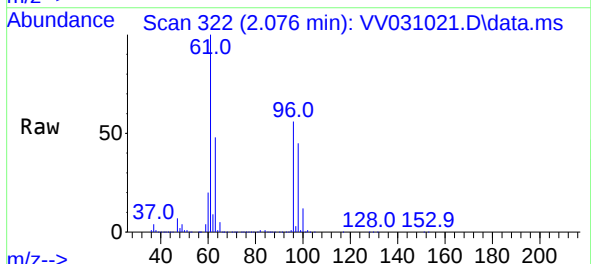
Instrument :  
MSVOA\_V  
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CONX7

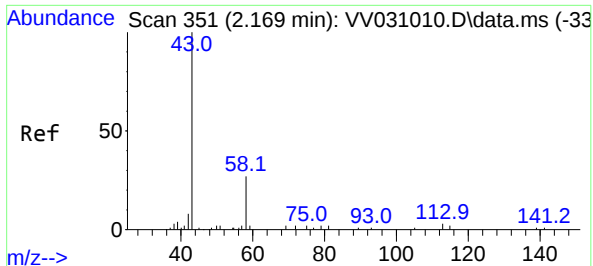
Tgt Ion:101 Resp: 1807  
Ion Ratio Lower Upper  
101 100  
85 38.0 38.7 58.1#  
151 34.6 65.1 97.7#



#12  
1,1-Dichloroethene  
Concen: 22.451 ug/L  
RT: 2.076 min Scan# 322  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 96 Resp: 191730  
Ion Ratio Lower Upper  
96 100  
61 179.1 135.6 251.8  
63 85.3 121.1 224.9#

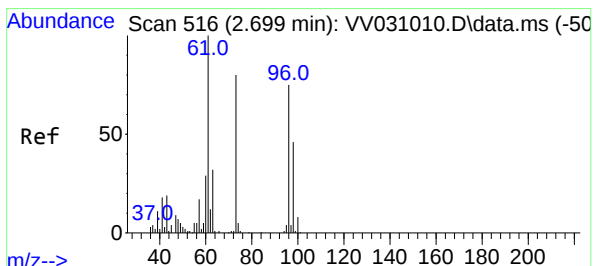
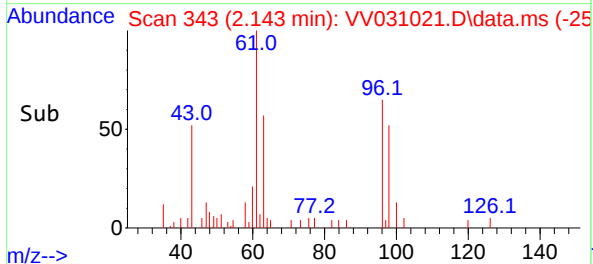
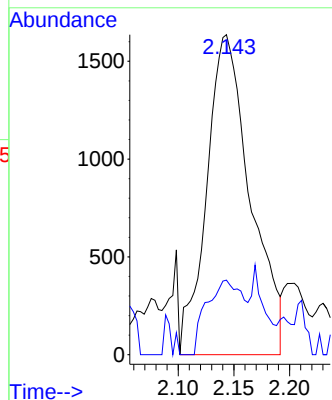
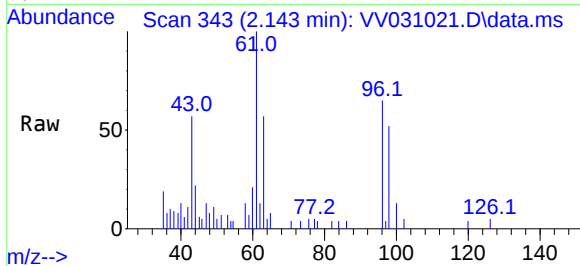




#13  
Acetone  
Concen: 2.821 ug/L  
RT: 2.143 min Scan# 34  
Delta R.T. -0.016 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

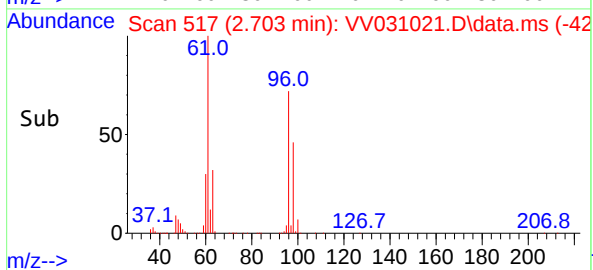
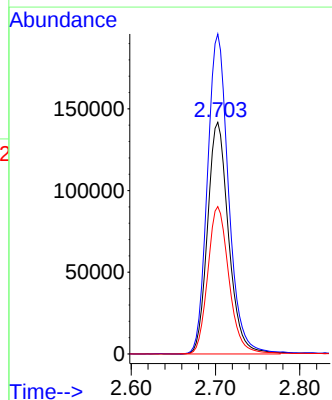
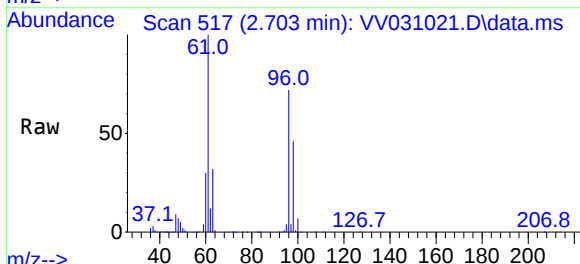
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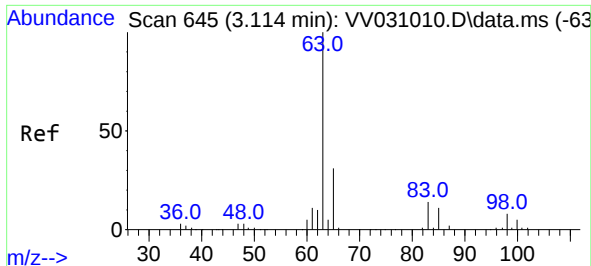
Tgt Ion: 43 Resp: 4468  
Ion Ratio Lower Upper  
43 100  
58 19.4 0.0 37.0



#18  
trans-1,2-Dichloroethene  
Concen: 31.617 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 96 Resp: 246624  
Ion Ratio Lower Upper  
96 100  
61 138.1 98.9 183.7  
98 63.6 46.0 85.4

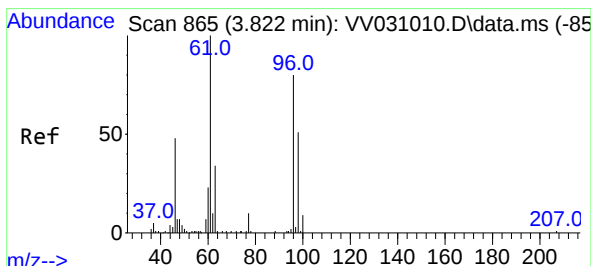
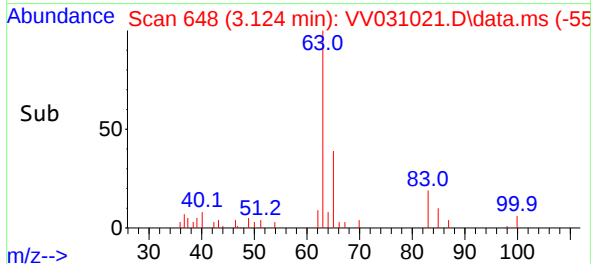
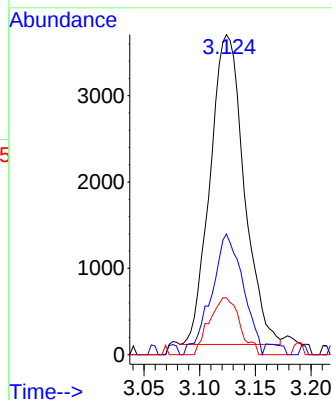
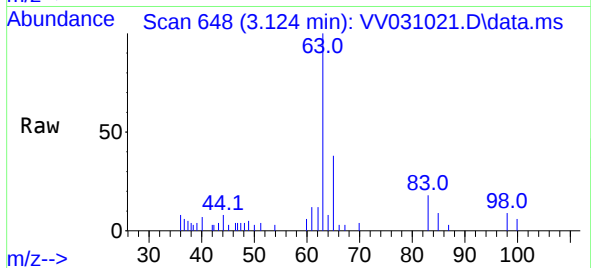




#19  
1,1-Dichloroethane  
Concen: 0.505 ug/L  
RT: 3.124 min Scan# 645  
Delta R.T. 0.007 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

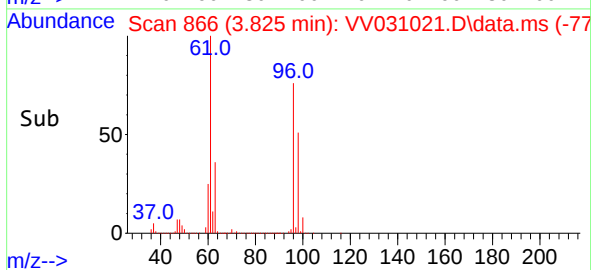
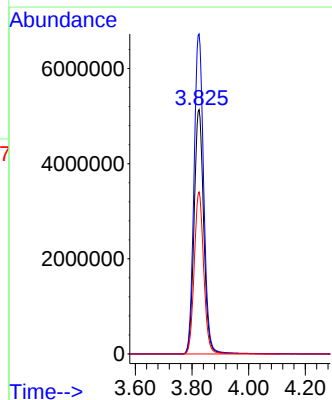
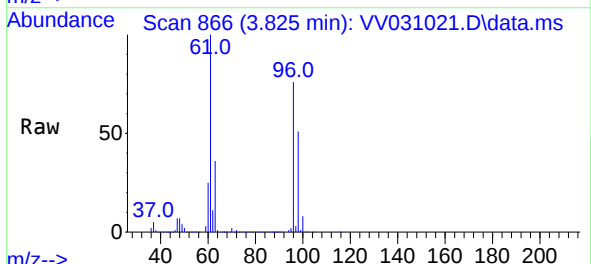
Instrument :  
MSVOA\_V  
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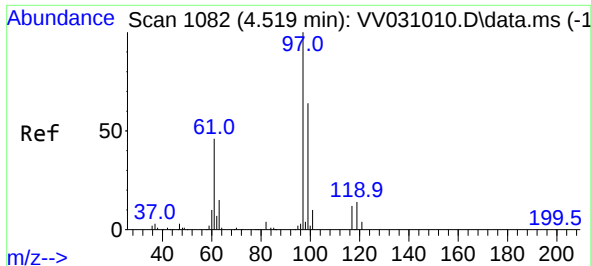
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 7604  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 37.7  | 21.8  | 40.6  |
| 83       | 17.8  | 10.2  | 19.0  |



#22  
cis-1,2-Dichloroethene  
Concen: 1471.539 ug/L  
RT: 3.825 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

|          |       |       |          |
|----------|-------|-------|----------|
| Tgt Ion: | 96    | Resp: | 12110962 |
| Ion      | Ratio | Lower | Upper    |
| 96       | 100   |       |          |
| 61       | 130.9 | 86.0  | 159.6    |
| 98       | 66.2  | 43.2  | 80.2     |

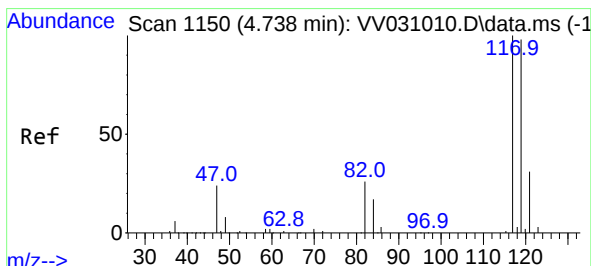
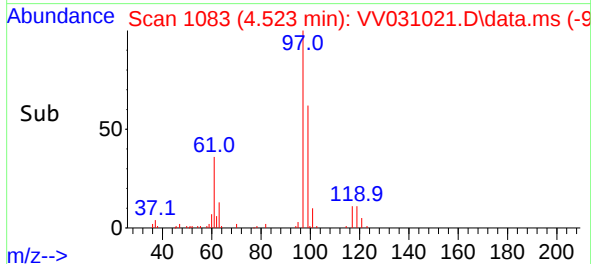
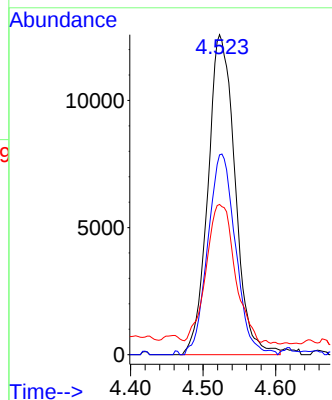
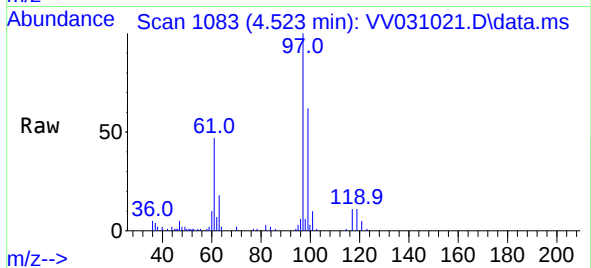




#29  
1,1,1-Trichloroethane  
Concen: 2.067 ug/L  
RT: 4.523 min Scan# 1082  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

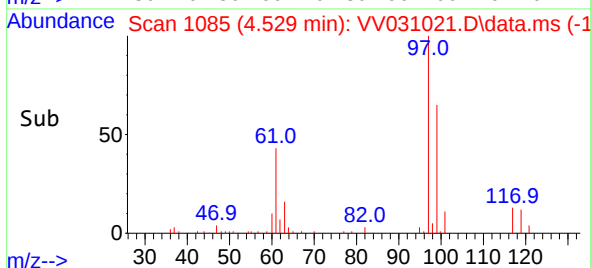
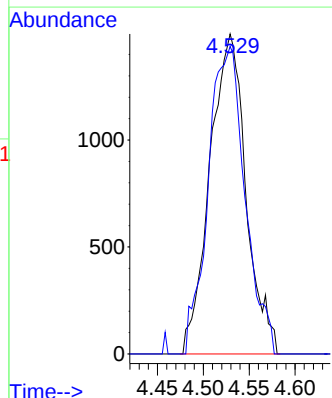
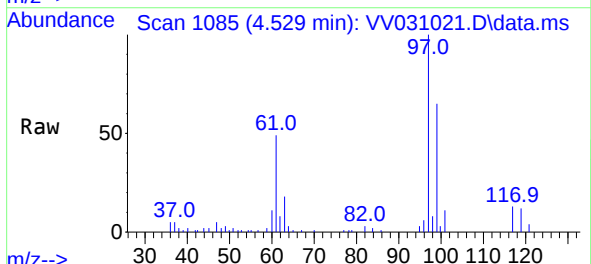
Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

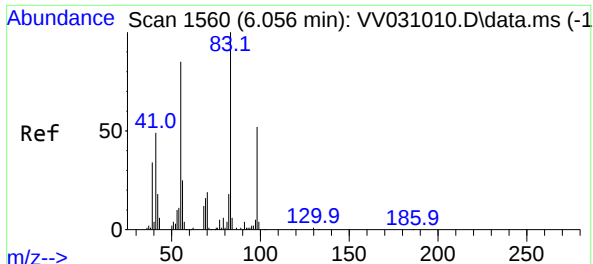
Tgt Ion: 97 Resp: 32703  
Ion Ratio Lower Upper  
97 100  
99 63.8 51.4 77.2  
61 45.6 37.4 56.0



#31  
Carbon tetrachloride  
Concen: 0.289 ug/L  
RT: 4.529 min Scan# 1085  
Delta R.T. -0.215 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 117 Resp: 4101  
Ion Ratio Lower Upper  
117 100  
119 97.7 78.4 117.6

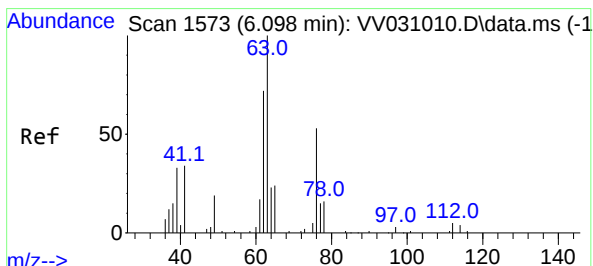
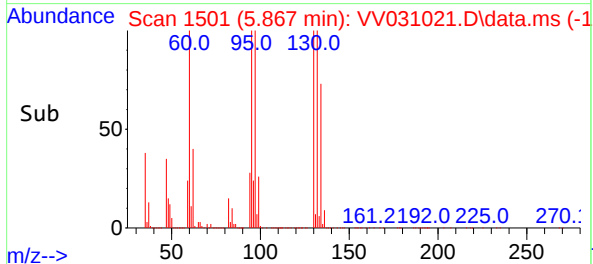
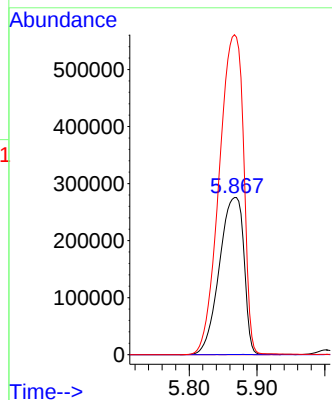
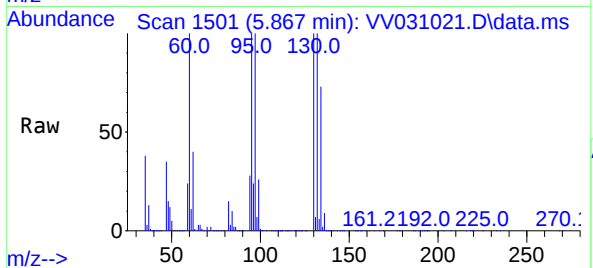




#35  
Methylcyclohexane  
Concen: 53.050 ug/L  
RT: 5.867 min Scan# 11  
Delta R.T. -0.189 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

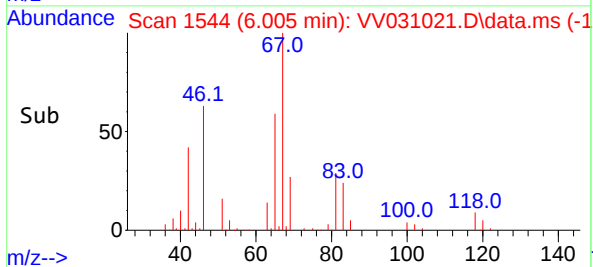
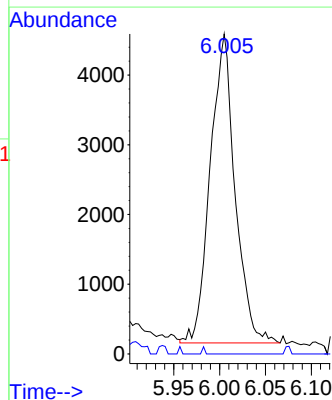
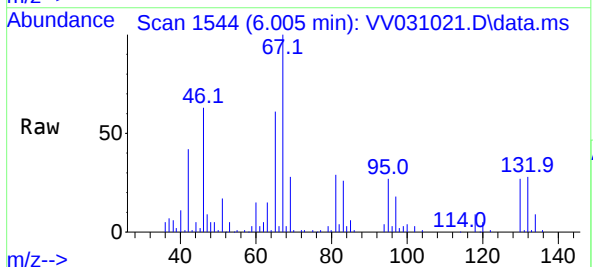
Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

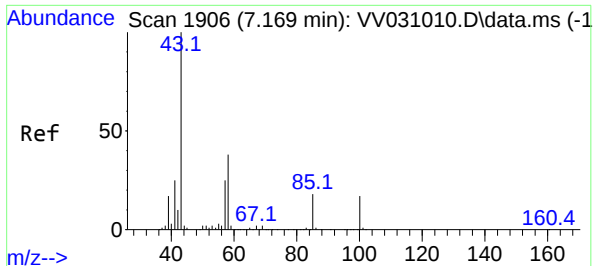
Tgt Ion: 83 Resp: 694025  
Ion Ratio Lower Upper  
83 100  
55 0.1 62.9 94.3#  
98 202.9 40.5 60.7#



#37  
1,2-Dichloropropane  
Concen: 1.111 ug/L  
RT: 6.005 min Scan# 1544  
Delta R.T. -0.096 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 63 Resp: 8346  
Ion Ratio Lower Upper  
63 100  
112 0.8 3.8 5.8#





#40

4-Methyl-2-pentanone

Concen: 0.916 ug/L

RT: 7.178 min Scan# 1906

Delta R.T. 0.010 min

Lab File: VV031021.D

Acq: 15 May 2023 10:59

Instrument :

MSVOA\_V

ClientSampleId :

CONX7

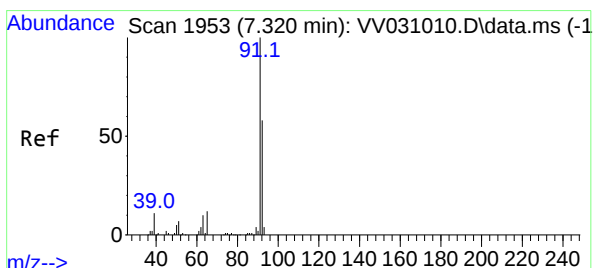
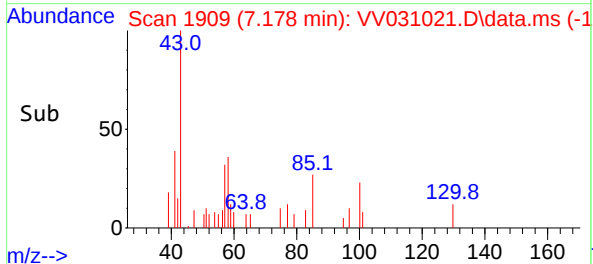
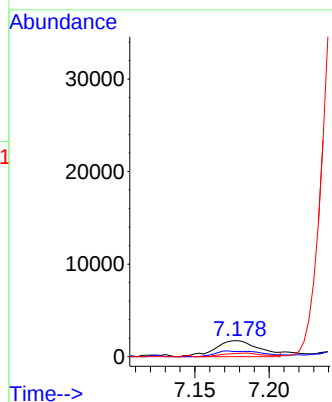
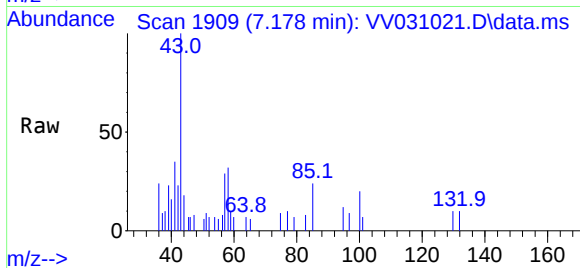
Tgt Ion: 43 Resp: 3567

Ion Ratio Lower Upper

43 100

58 18.1 28.3 42.5#

100 0.0 11.8 17.8#



#42

Toluene

Concen: 4.671 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV031021.D

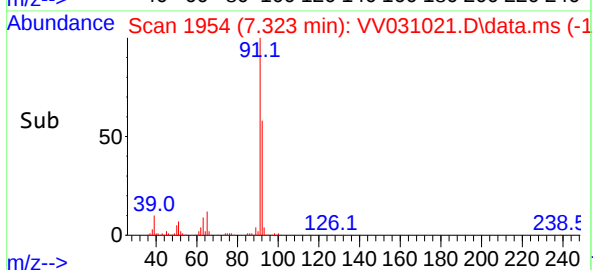
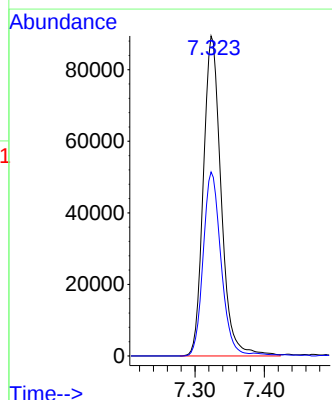
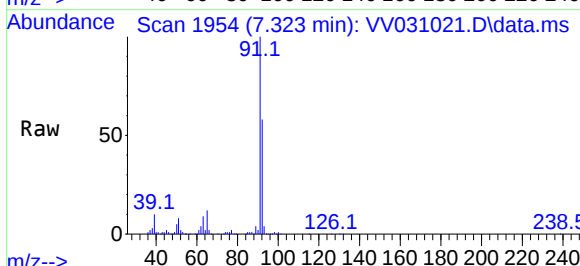
Acq: 15 May 2023 10:59

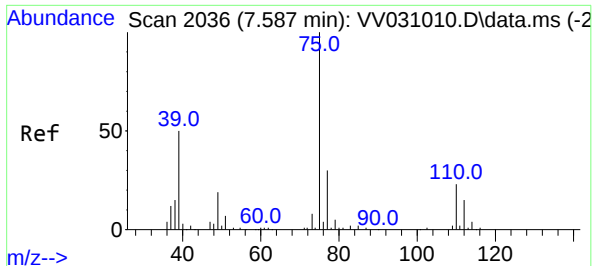
Tgt Ion: 91 Resp: 159252

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1

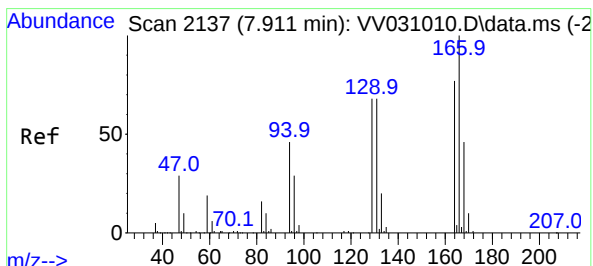
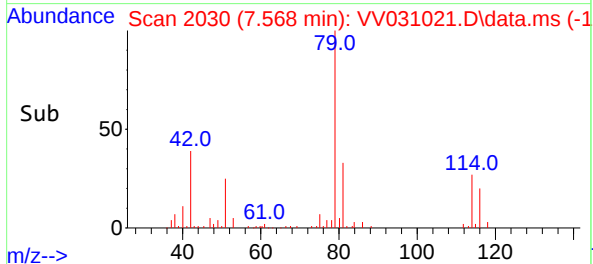
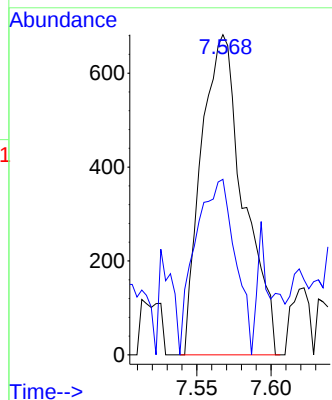
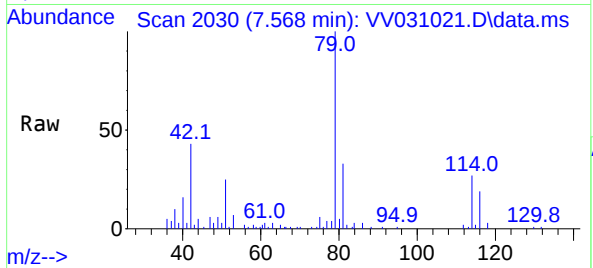




#44  
trans-1,3-Dichloropropene  
Concen: 0.141 ug/L  
RT: 7.568 min Scan# 2036  
Delta R.T. -0.022 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

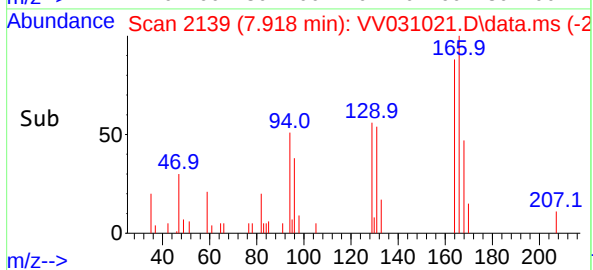
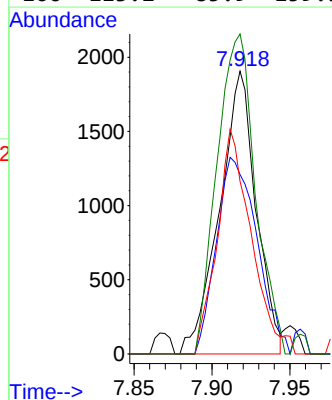
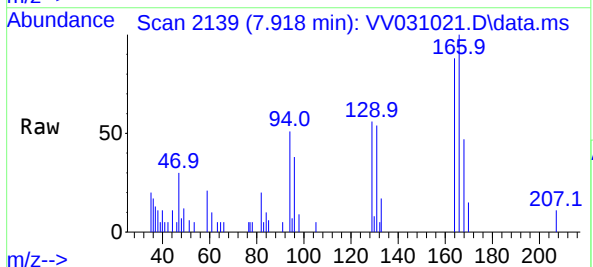
Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

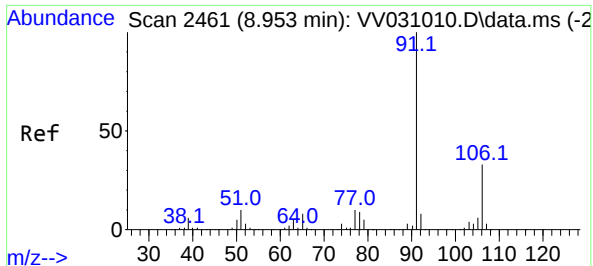
Tgt Ion: 75 Resp: 1349  
Ion Ratio Lower Upper  
75 100  
77 54.8 21.6 40.0#



#47  
Tetrachloroethene  
Concen: 0.386 ug/L  
RT: 7.918 min Scan# 2139  
Delta R.T. 0.007 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 164 Resp: 3109  
Ion Ratio Lower Upper  
164 100  
129 63.4 60.5 112.3  
131 61.1 60.8 112.8  
166 113.2 85.9 159.5

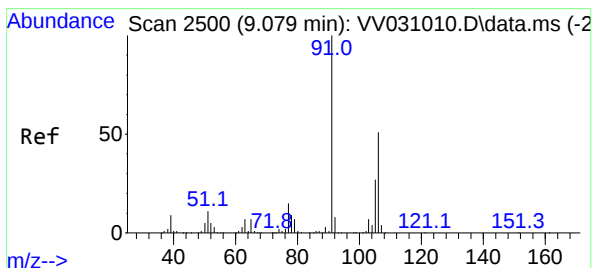
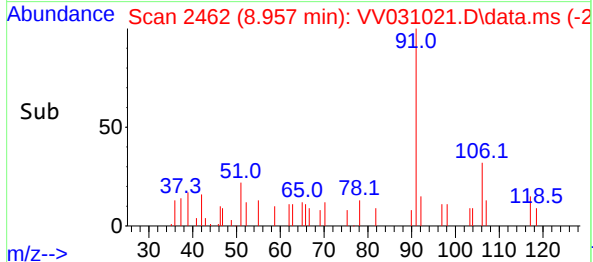
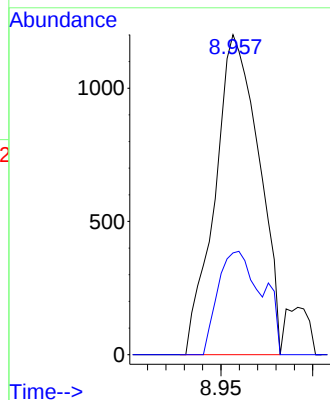
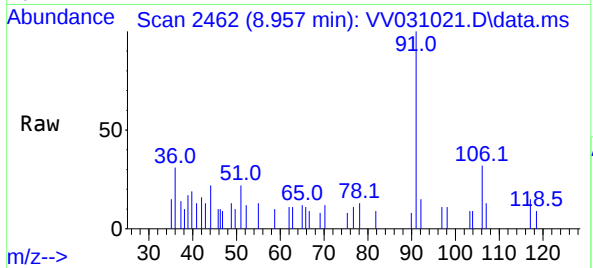




#52  
Ethylbenzene  
Concen: 0.054 ug/L  
RT: 8.957 min Scan# 2461  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

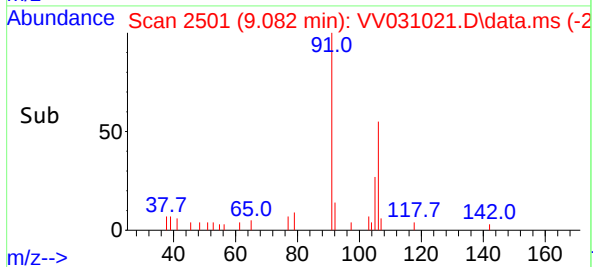
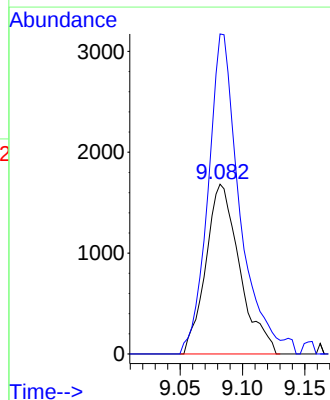
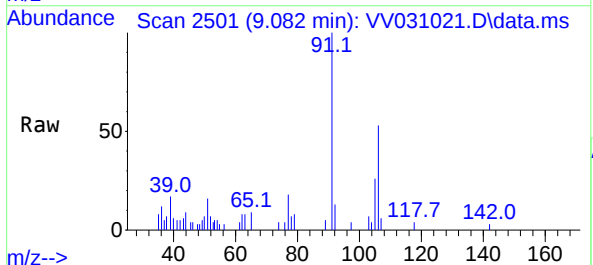
Instrument :  
MSVOA\_V  
ClientSampleId :  
CONX7

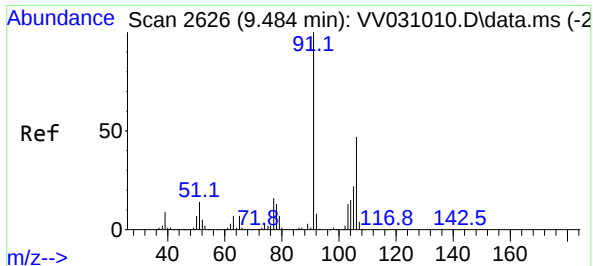
Tgt Ion: 91 Resp: 2003  
Ion Ratio Lower Upper  
91 100  
106 31.8 21.4 39.8



#53  
m,p-Xylene  
Concen: 0.214 ug/L  
RT: 9.082 min Scan# 2501  
Delta R.T. 0.003 min  
Lab File: VV031021.D  
Acq: 15 May 2023 10:59

Tgt Ion: 106 Resp: 3181  
Ion Ratio Lower Upper  
106 100  
91 188.4 138.7 257.5





#54

o-Xylene

Concen: 0.098 ug/L

RT: 9.493 min Scan# 2

Delta R.T. 0.010 min

Lab File: VV031021.D

Acq: 15 May 2023 10:59

Instrument :

MSVOA\_V

ClientSampleId :

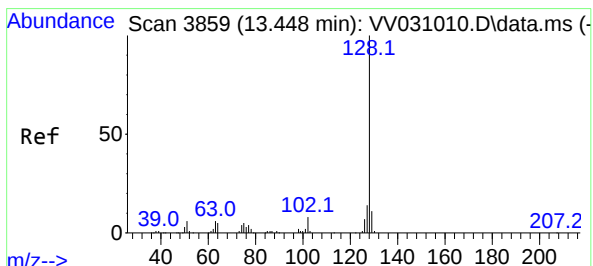
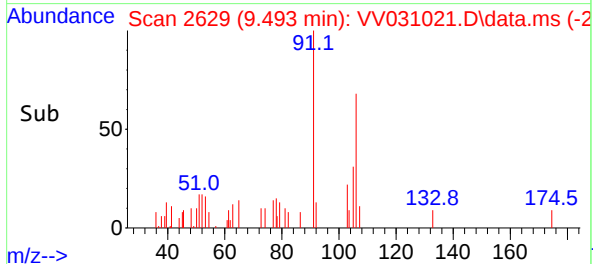
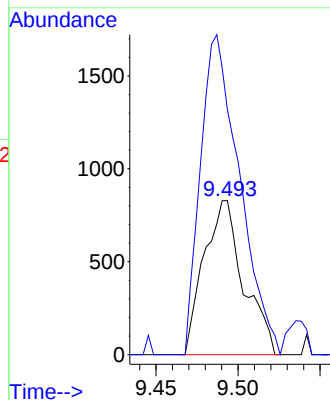
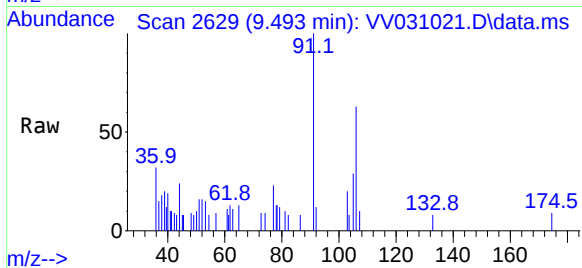
CONX7

Tgt Ion:106 Resp: 1389

Ion Ratio Lower Upper

106 100

91 159.1 145.1 269.5



#71

Naphthalene

Concen: 0.099 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.007 min

Lab File: VV031021.D

Acq: 15 May 2023 10:59

Tgt Ion:128 Resp: 1498

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 7.3 10.6 16.0#

