

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121621\  
 Data File : VW024042.D  
 Acq On : 17 Dec 2021 03:42  
 Operator : SY/MD  
 Sample : M5133-15  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 17 05:34:39 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 16 04:44:29 2021  
 Response via : Initial Calibration

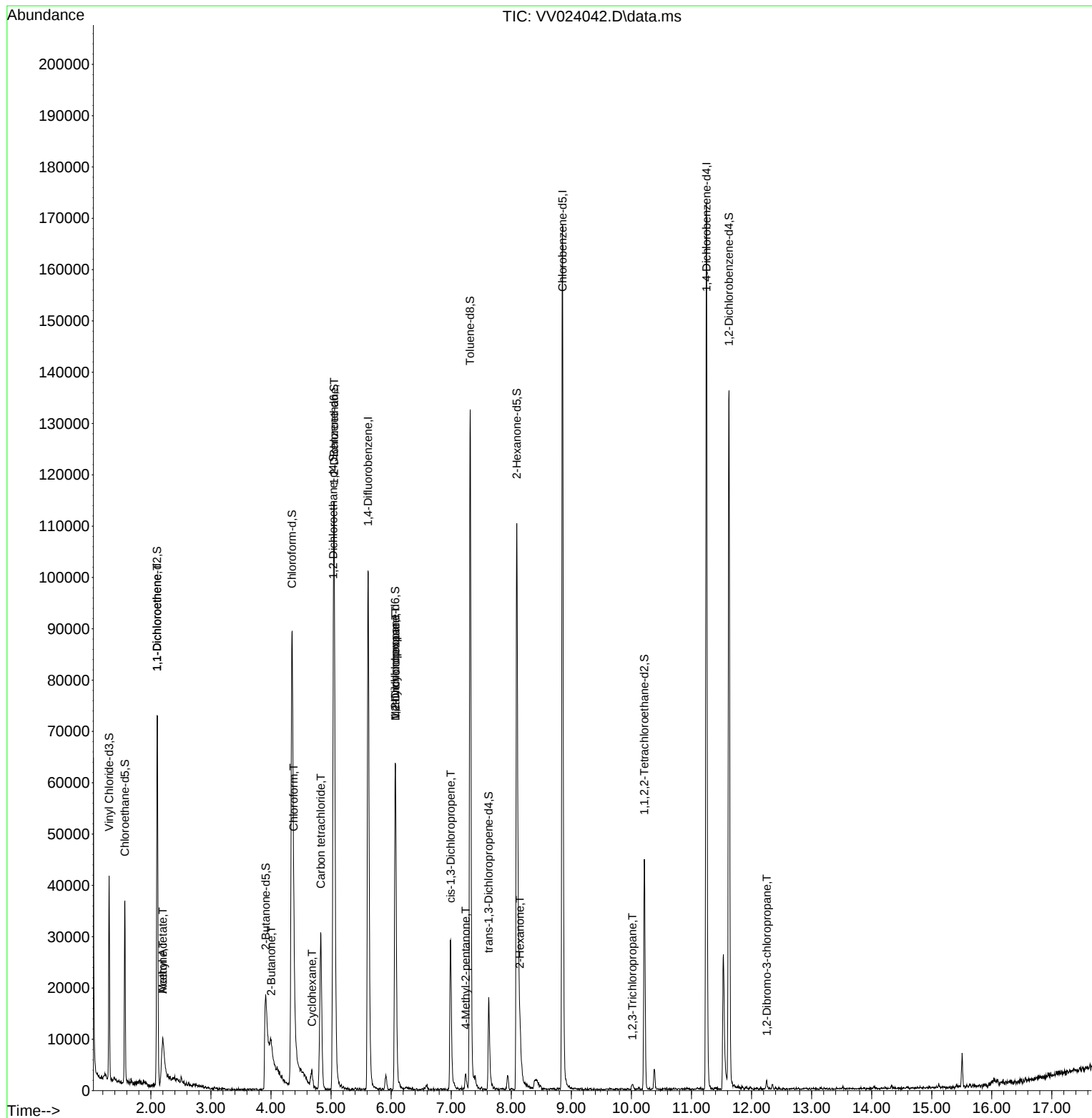
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 89276    | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 96101    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 46095    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 23458    | 4.888    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 97.800%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 20809    | 5.197    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 37485    | 4.001    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.000%   |
| 20) 2-Butanone-d5             | 3.912  | 46    | 44099    | 47.031   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.060%   |
| 24) Chloroform-d              | 4.349  | 84    | 56073    | 5.158    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 27303    | 5.394    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.800%  |
| 32) Benzene-d6                | 5.050  | 84    | 101042   | 5.308    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 106.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 30116    | 5.244    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.800%  |
| 41) Toluene-d8                | 7.317  | 98    | 89530    | 5.225    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 10755    | 4.514    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.200%   |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 42613    | 39.956   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 79.920%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 20658    | 4.336    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 86.800%   |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 37487    | 6.088    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 121.800%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 12) 1,1-Dichloroethene        | 2.105  | 96    | 461      | 0.077    | ug/L # | 1         |
| 13) Acetone                   | 2.198  | 43    | 22362    | 29.810   | ug/L   | 90        |
| 15) Methyl Acetate            | 2.198  | 43    | 21305    | 11.717   | ug/L # | 50        |
| 21) 2-Butanone                | 4.005  | 43    | 16020    | 14.946   | ug/L   | 84        |
| 25) Chloroform                | 4.378  | 83    | 9665     | 0.731    | ug/L   | 94        |
| 27) 1,2-Dichloroethane        | 5.053  | 62    | 656      | 0.092    | ug/L # | 73        |
| 30) Cyclohexane               | 4.683  | 56    | 1642     | 0.165    | ug/L # | 97        |
| 31) Carbon tetrachloride      | 4.828  | 117   | 21932    | 1.856    | ug/L   | 97        |
| 35) Methylcyclohexane         | 6.072  | 83    | 8006     | 0.709    | ug/L # | 18        |
| 37) 1,2-Dichloropropane       | 6.072  | 63    | 3820     | 0.591    | ug/L # | 84        |
| 39) cis-1,3-Dichloropropene   | 6.992  | 75    | 803      | 0.084    | ug/L # | 40        |
| 40) 4-Methyl-2-pentanone      | 7.243  | 43    | 2279     | 0.734    | ug/L # | 88        |
| 48) 2-Hexanone                | 8.143  | 43    | 3842     | 1.707    | ug/L # | 48        |
| 61) 1,2,3-Trichloropropane    | 10.018 | 75    | 612      | 0.195    | ug/L # | 37        |
| 68) 1,2-Dibromo-3-chloropr... | 12.252 | 75    | 42       | 0.061    | ug/L # | 1         |
| -----                         |        |       |          |          |        |           |

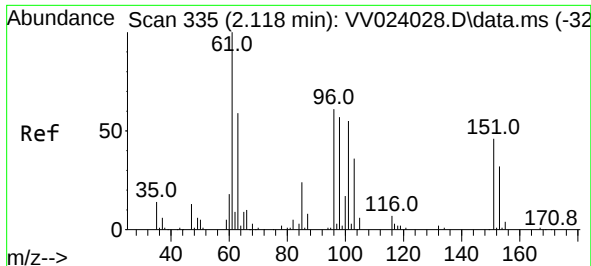
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121621\  
Data File : VV024042.D  
Acq On : 17 Dec 2021 03:42  
Operator : SY/MD  
Sample : M5133-15  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 46 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

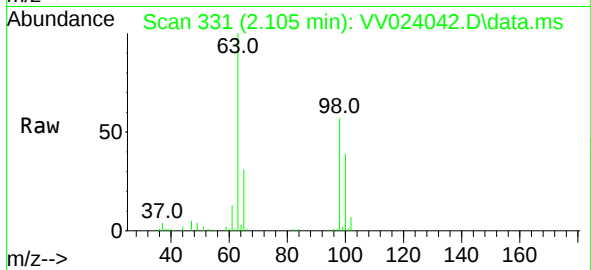
Quant Time: Dec 17 05:34:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 16 04:44:29 2021  
Response via : Initial Calibration



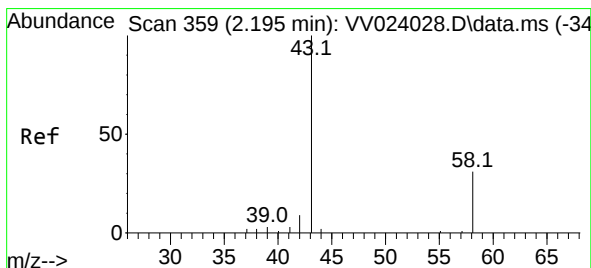
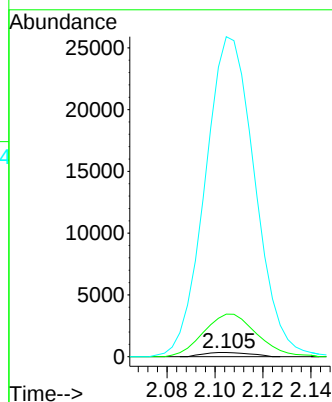
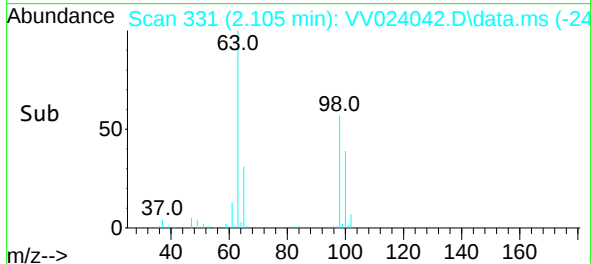


#12  
1,1-Dichloroethene  
Concen: 0.077 ug/L  
RT: 2.105 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

Instrument :  
MSVOA\_V  
ClientSampleId :

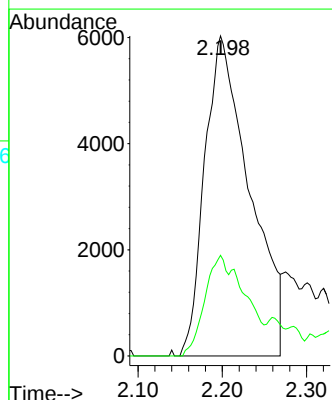
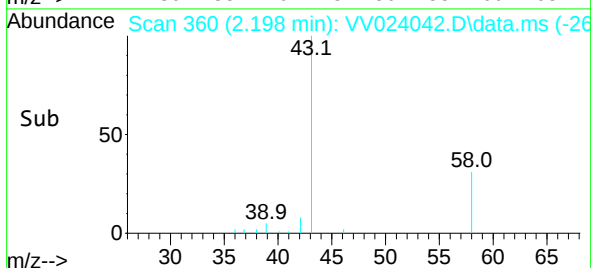
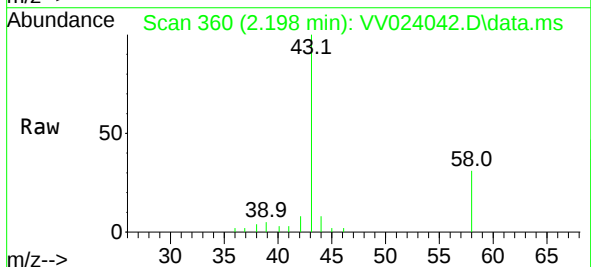


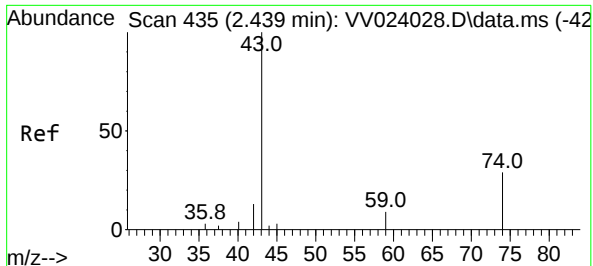
Tgt Ion: 96 Resp: 461  
Ion Ratio Lower Upper  
96 100  
61 1021.7 116.1 215.5#  
63 7686.6 79.4 147.4#



#13  
Acetone  
Concen: 29.810 ug/L  
RT: 2.198 min Scan# 360  
Delta R.T. 0.000 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

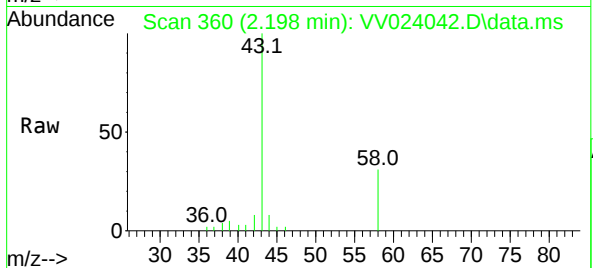
Tgt Ion: 43 Resp: 22362  
Ion Ratio Lower Upper  
43 100  
58 15.9 0.0 41.4



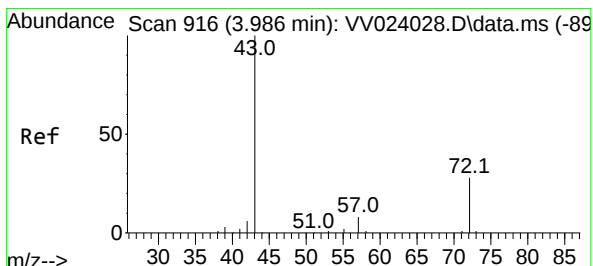
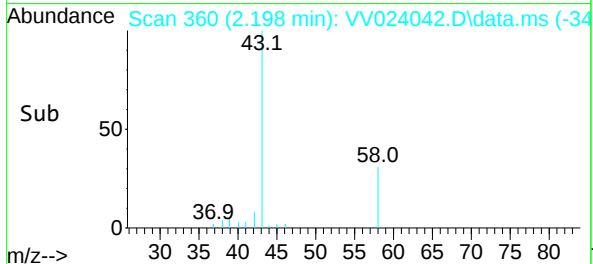
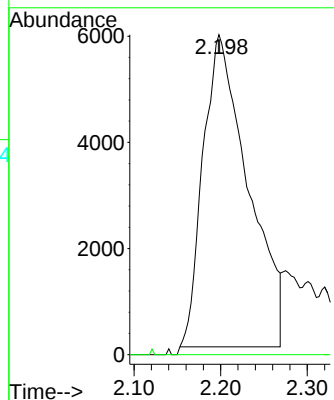


#15  
Methyl Acetate  
Concen: 11.717 ug/L  
RT: 2.198 min Scan# 301  
Delta R.T. -0.248 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

Instrument :  
MSVOA\_V  
ClientSampleId :

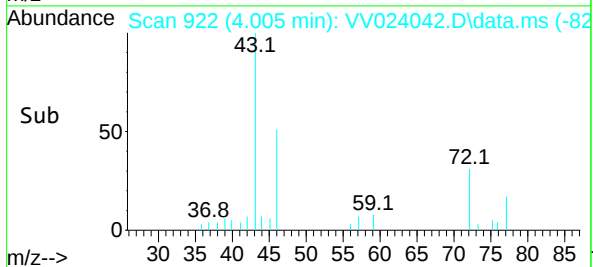
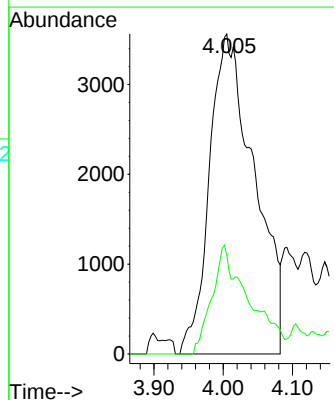
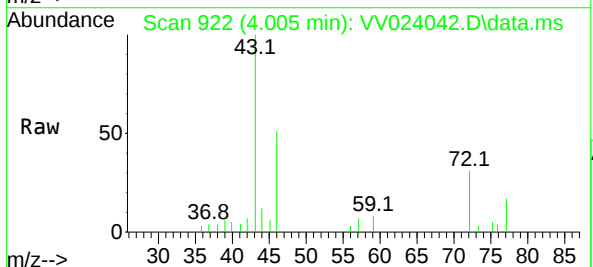


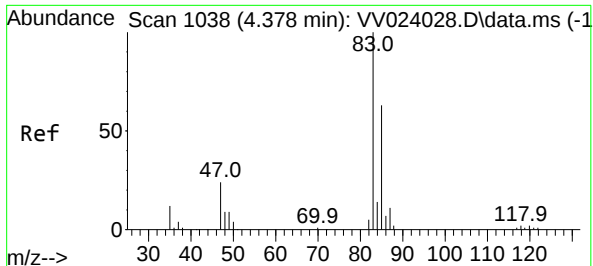
Tgt Ion: 43 Resp: 21305  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.2 30.2#



#21  
2-Butanone  
Concen: 14.946 ug/L  
RT: 4.005 min Scan# 922  
Delta R.T. 0.016 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

Tgt Ion: 43 Resp: 16020  
Ion Ratio Lower Upper  
43 100  
72 14.6 11.1 33.1

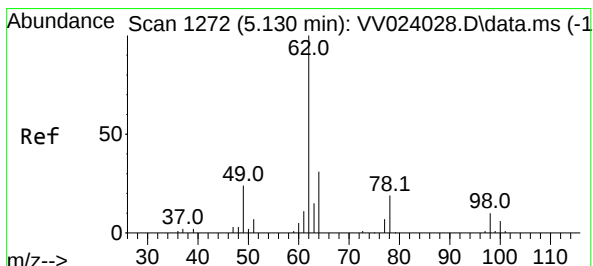
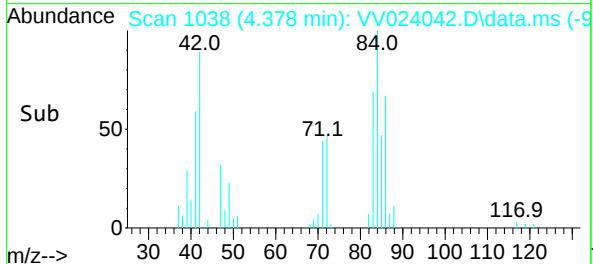
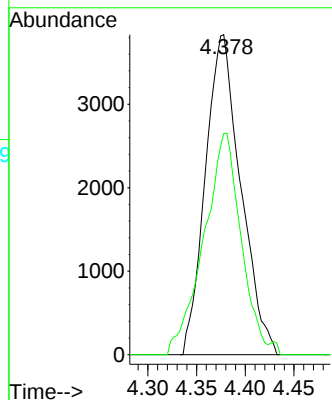
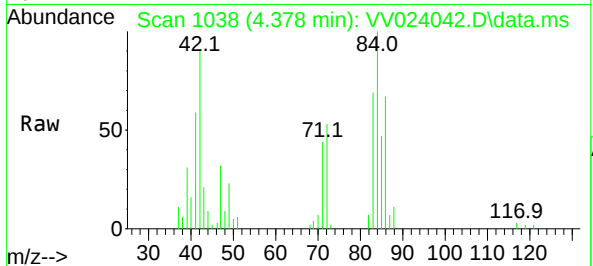




#25  
Chloroform  
Concen: 0.731 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.006 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

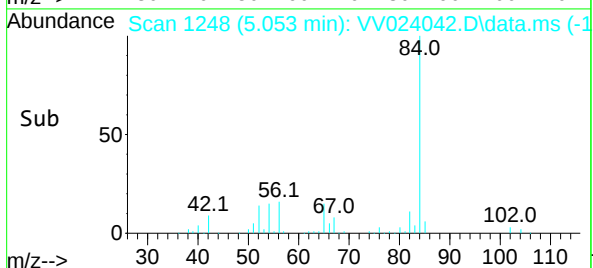
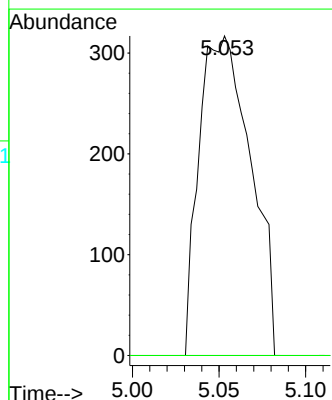
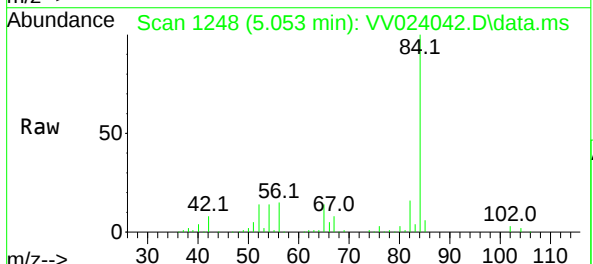
Instrument :  
MSVOA\_V  
ClientSampleId :

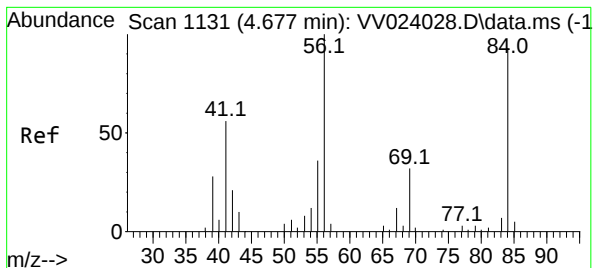
Tgt Ion: 83 Resp: 9665  
Ion Ratio Lower Upper  
83 100  
85 69.1 45.2 84.0



#27  
1,2-Dichloroethane  
Concen: 0.092 ug/L  
RT: 5.053 min Scan# 1248  
Delta R.T. -0.077 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

Tgt Ion: 62 Resp: 656  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.1 12.1#





#30

Cyclohexane

Concen: 0.165 ug/L

RT: 4.683 min Scan# 1133

Delta R.T. 0.006 min

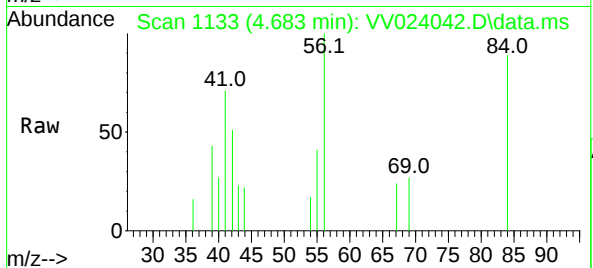
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Acq: 17 Dec 2021 03:42

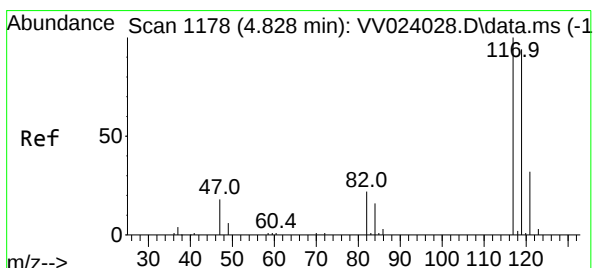
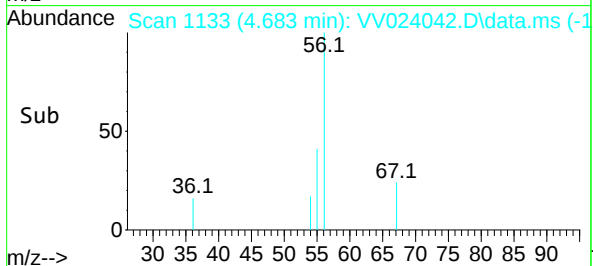
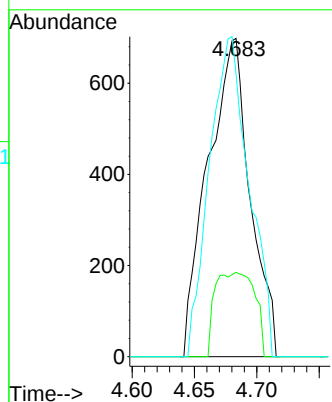
Instrument :

MSVOA\_V

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1642  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 24.8  | 24.8  | 37.2# |
| 84       | 94.2  | 75.9  | 113.9 |



#31

Carbon tetrachloride

Concen: 1.856 ug/L

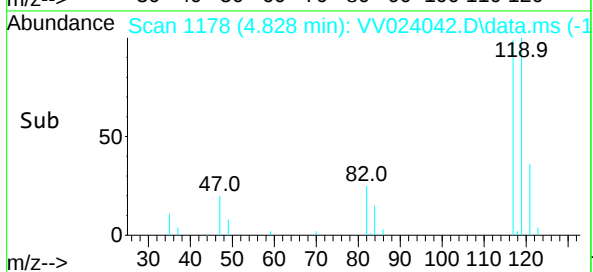
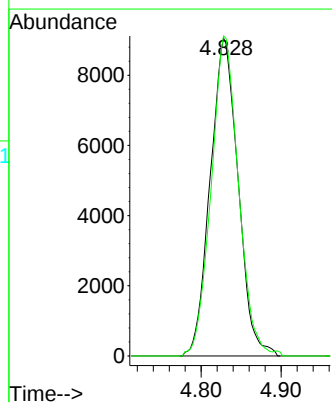
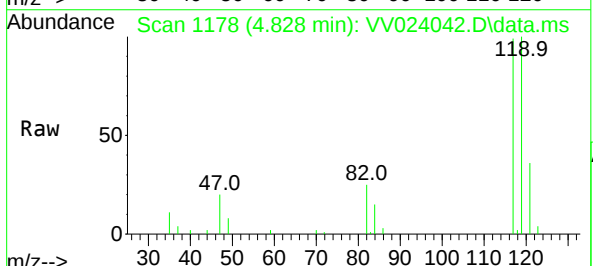
RT: 4.828 min Scan# 1178

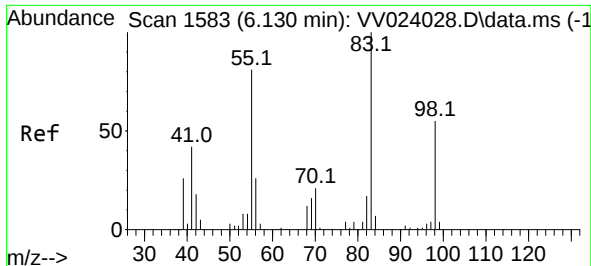
Delta R.T. 0.003 min

Lab File: VV024042.D

Acq: 17 Dec 2021 03:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 21932 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.3  | 76.6  | 114.8 |





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.058 min

Lab File: VV024042.D

Acq: 17 Dec 2021 03:42

Instrument :

MSVOA\_V

ClientSampleId :

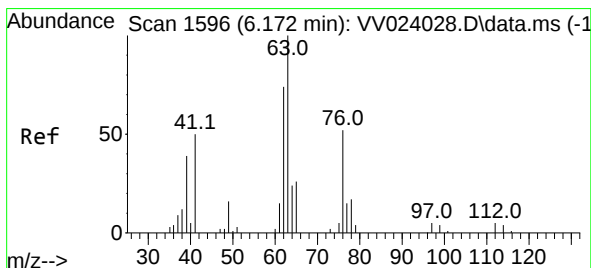
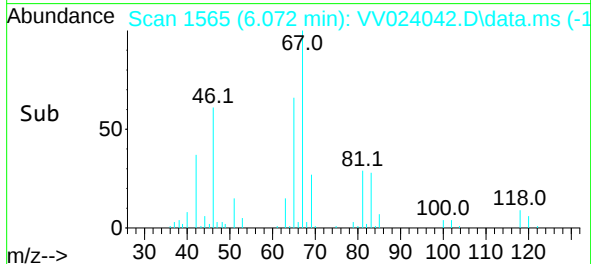
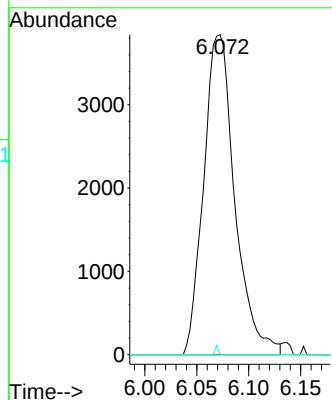
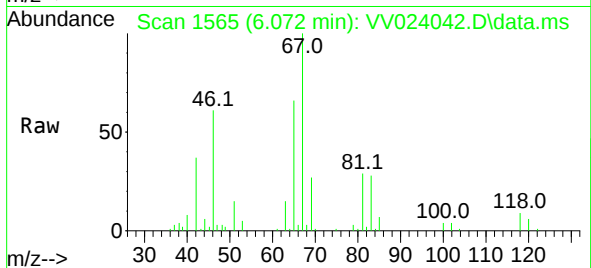
Tgt Ion: 83 Resp: 8006

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

98 0.3 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.591 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.100 min

Lab File: VV024042.D

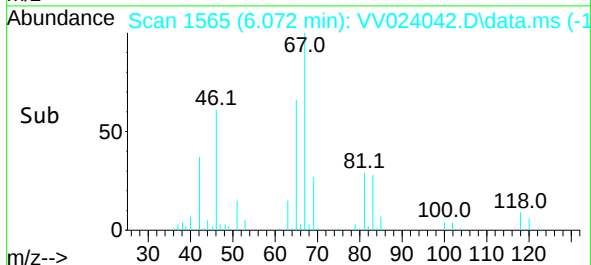
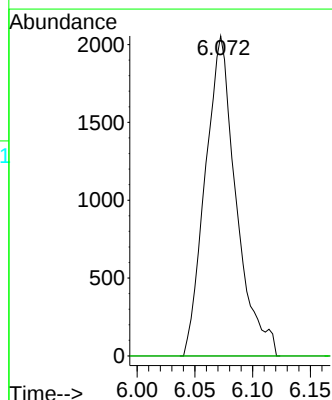
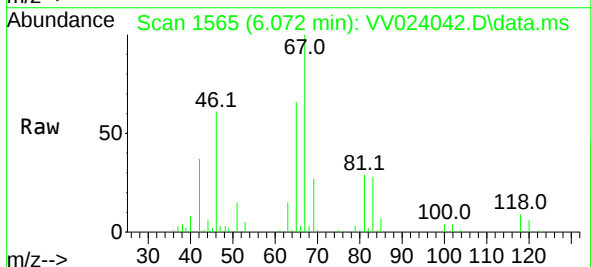
Acq: 17 Dec 2021 03:42

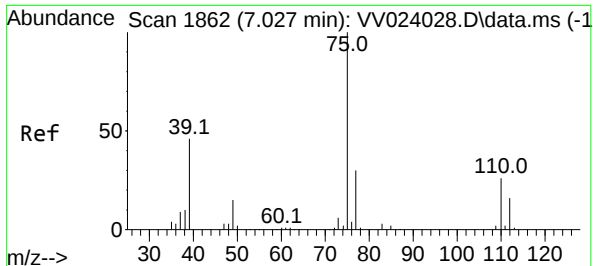
Tgt Ion: 63 Resp: 3820

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 6.992 min Scan# 1862

Delta R.T. -0.035 min

Lab File: VV024042.D

Acq: 17 Dec 2021 03:42

Instrument :

MSVOA\_V

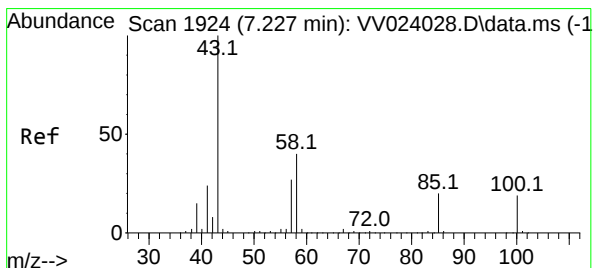
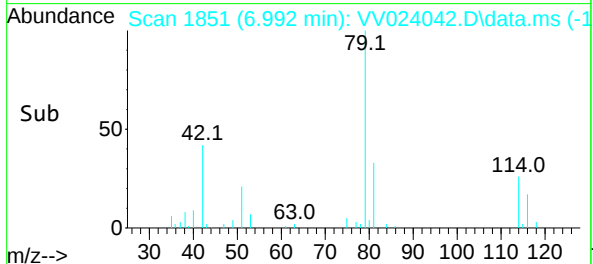
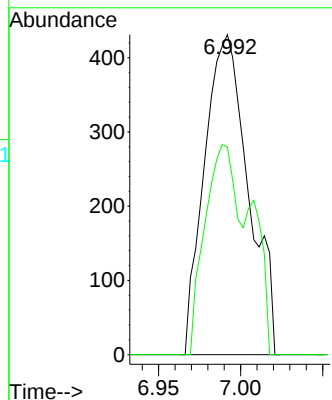
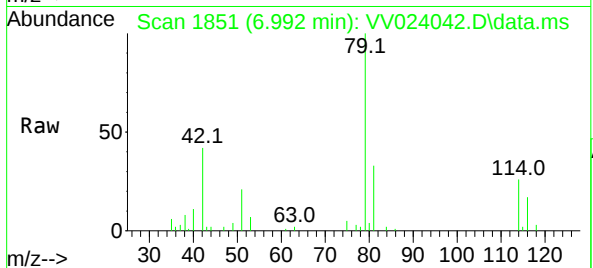
ClientSampleId :

Tgt Ion: 75 Resp: 803

Ion Ratio Lower Upper

75 100

77 65.0 22.0 41.0#



#40

4-Methyl-2-pentanone

Concen: 0.734 ug/L

RT: 7.243 min Scan# 1929

Delta R.T. 0.016 min

Lab File: VV024042.D

Acq: 17 Dec 2021 03:42

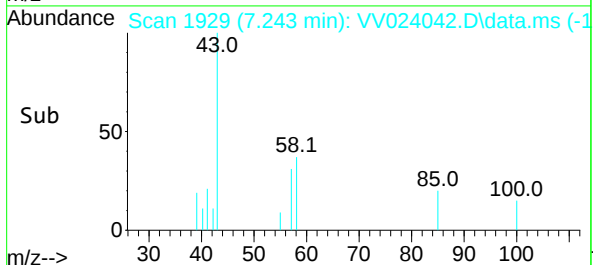
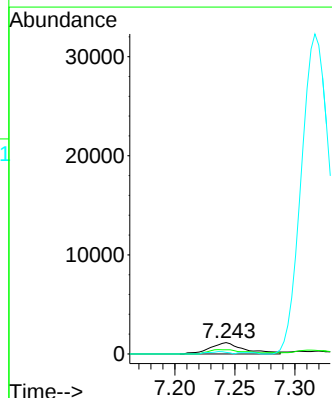
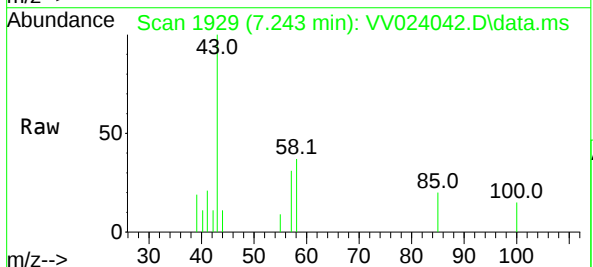
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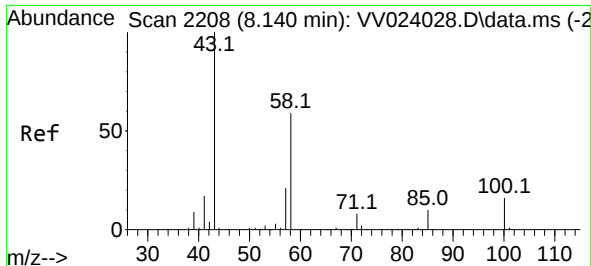
Ion Ratio Lower Upper

43 100

58 39.2 32.3 48.5

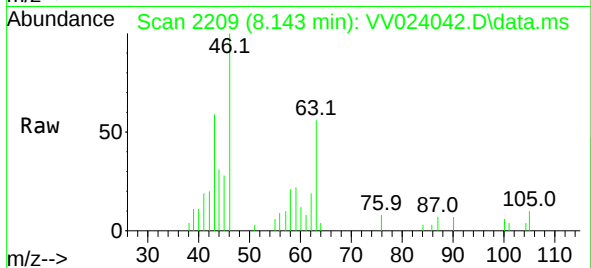
100 0.0 13.0 19.6#



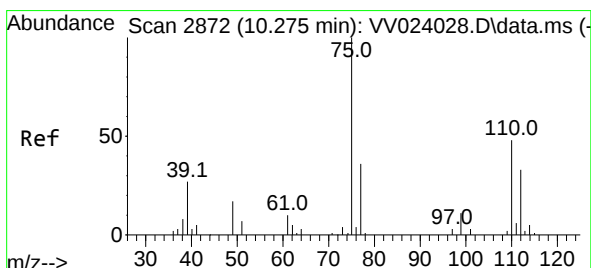
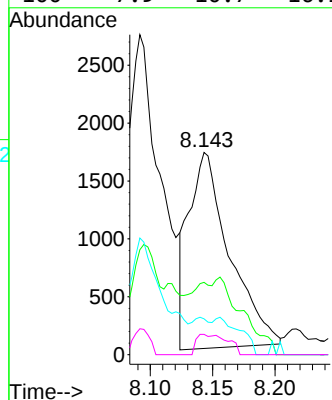
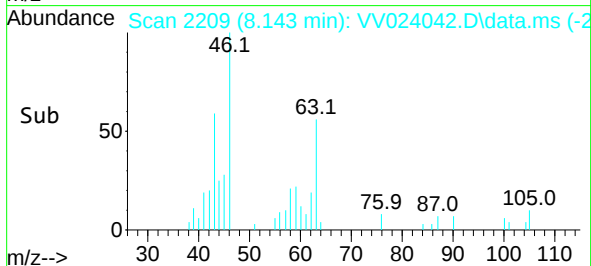


#48  
2-Hexanone  
Concen: 1.707 ug/L  
RT: 8.143 min Scan# 2100  
Delta R.T. 0.003 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42

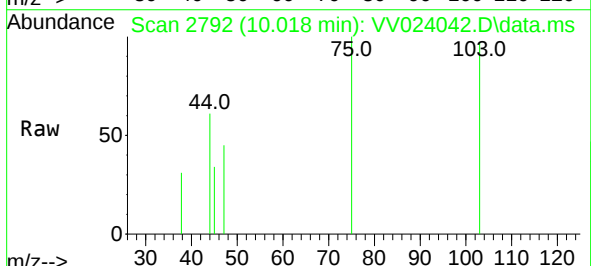
Instrument :  
MSVOA\_V  
ClientSampleId :



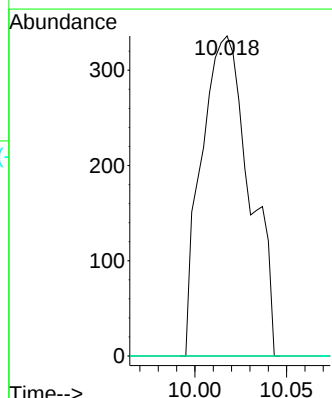
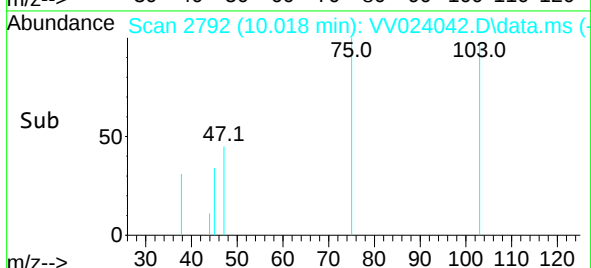
Tgt Ion: 43 Resp: 3842  
Ion Ratio Lower Upper  
43 100  
58 2.1 44.5 66.7#  
57 11.7 15.1 22.7#  
100 7.9 10.7 16.1#

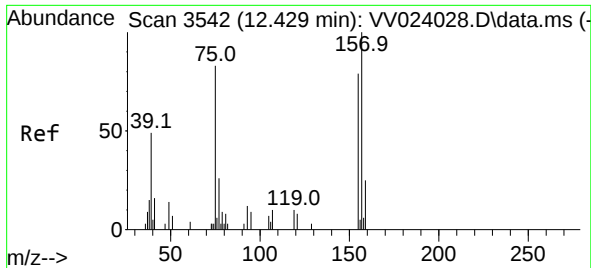


#61  
1,2,3-Trichloropropane  
Concen: 0.195 ug/L  
RT: 10.018 min Scan# 2792  
Delta R.T. -0.254 min  
Lab File: VV024042.D  
Acq: 17 Dec 2021 03:42



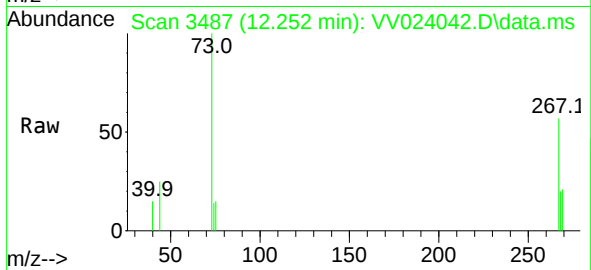
Tgt Ion: 75 Resp: 612  
Ion Ratio Lower Upper  
75 100  
77 0.0 26.4 39.6#  
110 0.0 34.2 51.2#





#68  
 1,2-Dibromo-3-chloropropane  
 Concen: 0.061 ug/L  
 RT: 12.252 min Scan# 34  
 Delta R.T. -0.177 min  
 Lab File: VV024042.D  
 Acq: 17 Dec 2021 03:42

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 75 Resp: 42  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 71.7 107.5#  
 157 0.0 103.3 154.9#

