

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121121\  
 Data File : VW021322.D  
 Acq On : 11 Dec 2021 13:16  
 Operator : SY/VA  
 Sample : M5023-08RE  
 Misc : 6.47g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 12 08:07:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 10 23:12:45 2021  
 Response via : Initial Calibration

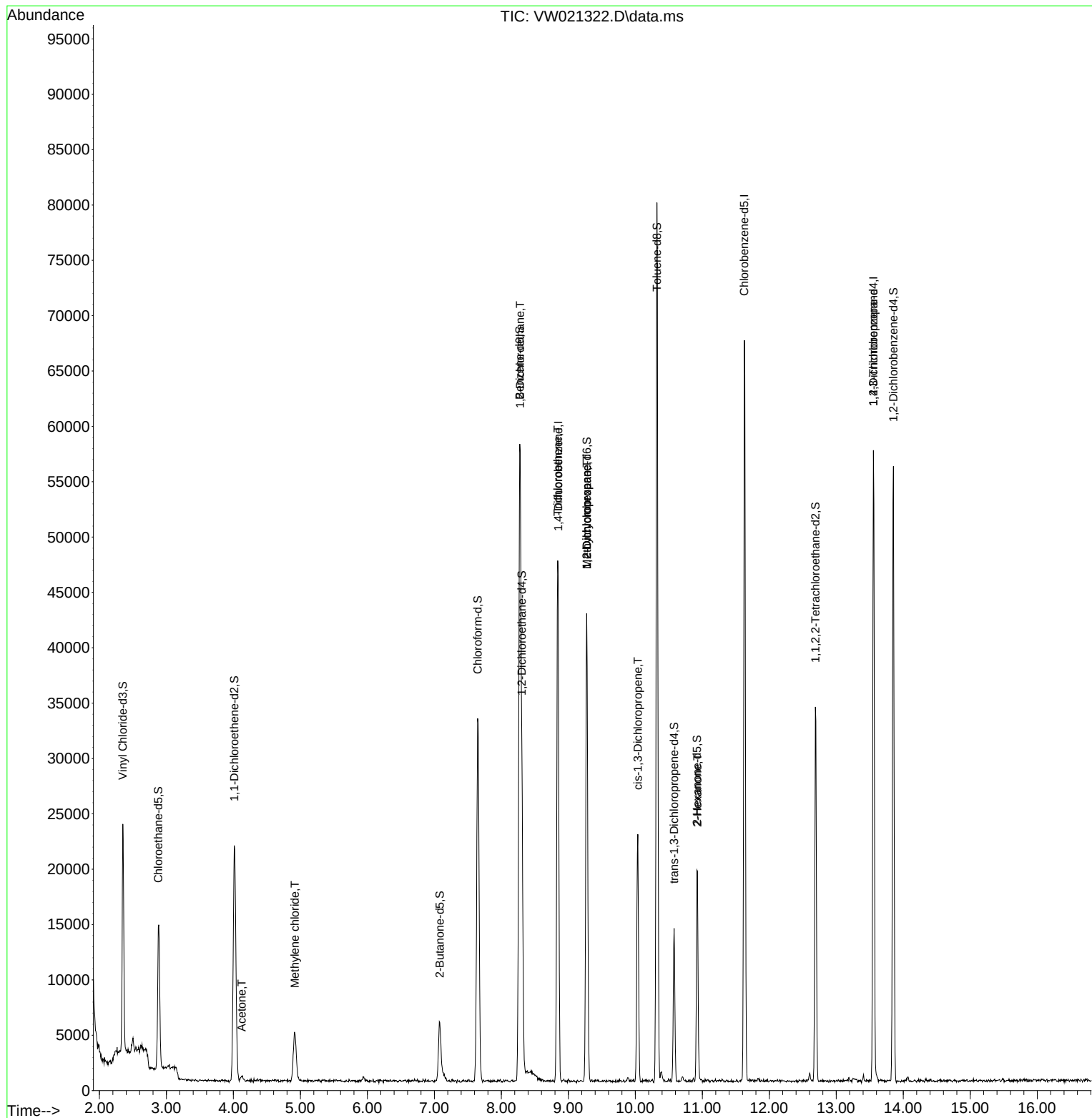
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 42398    | 25.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 37997    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 15597    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 19220    | 24.891   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 99.560%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 15421    | 30.209   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 120.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 19714    | 19.150   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.600%   |
| 21) 2-Butanone-d5             | 7.080  | 46    | 9356     | 85.956   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 171.920%# |
| 24) Chloroform-d              | 7.647  | 84    | 32735    | 27.705   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 110.840%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 18567    | 29.542   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 118.160%  |
| 32) Benzene-d6                | 8.275  | 84    | 59226    | 28.436   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 113.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 17556    | 31.430   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 125.720%# |
| 41) Toluene-d8                | 10.323 | 98    | 52176    | 24.518   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.080%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 7206     | 28.018   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 112.080%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 6461     | 78.223   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 156.440%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 15881    | 33.074   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 132.280%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 15058    | 24.911   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.640%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 13) Acetone                   | 4.123  | 43    | 463      | 4.745    | ug/L   | 96        |
| 16) Methylene chloride        | 4.915  | 84    | 3639     | 5.194    | ug/L   | 80        |
| 27) 1,2-Dichloroethane        | 8.281  | 62    | 377      | 0.574    | ug/L   | # 77      |
| 34) Trichloroethene           | 8.842  | 95    | 1313     | 2.260    | ug/L   | # 5       |
| 35) Methylcyclohexane         | 9.274  | 83    | 4829     | 5.038    | ug/L   | # 14      |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 2279     | 4.936    | ug/L   | # 88      |
| 39) cis-1,3-Dichloropropene   | 10.037 | 75    | 740      | 1.017    | ug/L   | # 44      |
| 48) 2-Hexanone                | 10.927 | 43    | 864      | 4.736    | ug/L   | # 66      |
| 61) 1,2,3-Trichloropropane    | 13.554 | 75    | 1727     | 7.608    | ug/L   | # 64      |
| -----                         |        |       |          |          |        |           |

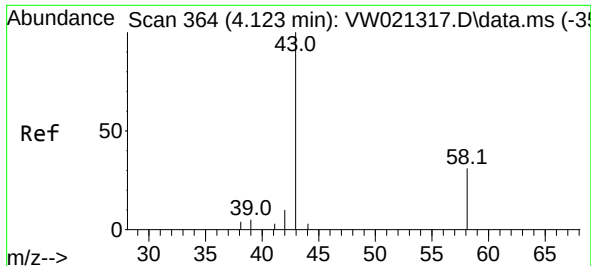
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Fri Dec 10 23:12:45 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 4.745 ug/L

RT: 4.123 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

Instrument :

MSVOA\_W

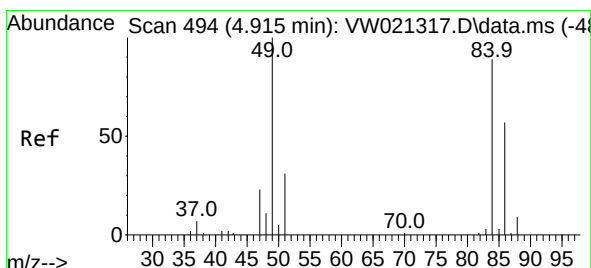
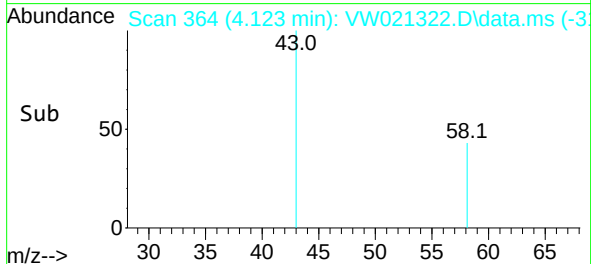
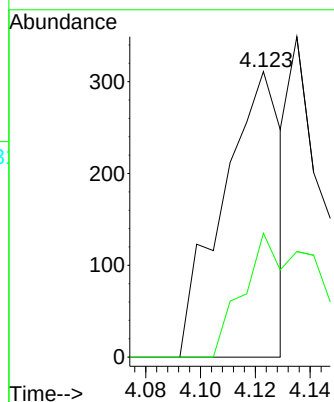
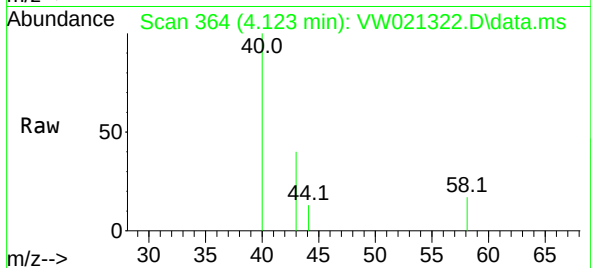
ClientSampleId :

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 28.5 0.0 52.8



#16

Methylene chloride

Concen: 5.194 ug/L

RT: 4.915 min Scan# 494

Delta R.T. -0.000 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

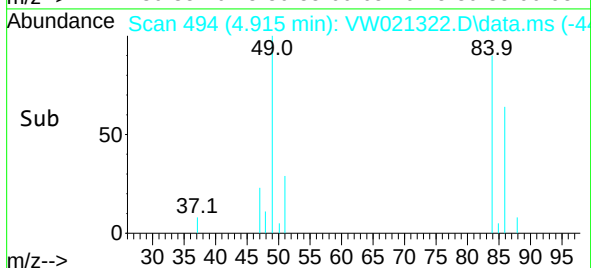
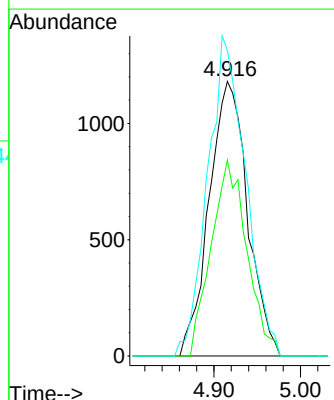
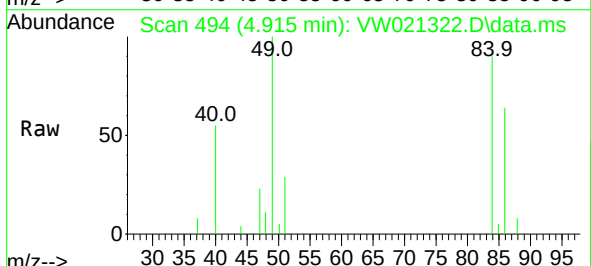
Tgt Ion: 84 Resp: 3639

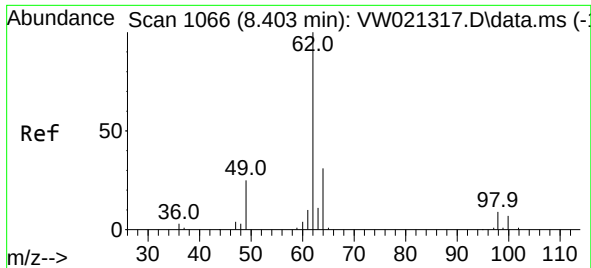
Ion Ratio Lower Upper

84 100

86 71.3 45.5 84.5

49 111.3 100.5 186.7





#27

1,2-Dichloroethane

Concen: 0.574 ug/L

RT: 8.281 min Scan# 110

Delta R.T. -0.122 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

Instrument :

MSVOA\_W

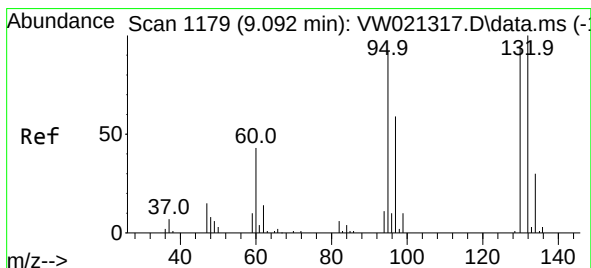
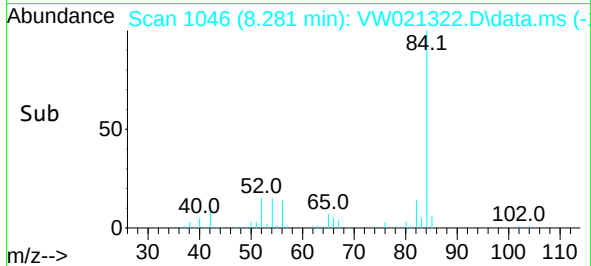
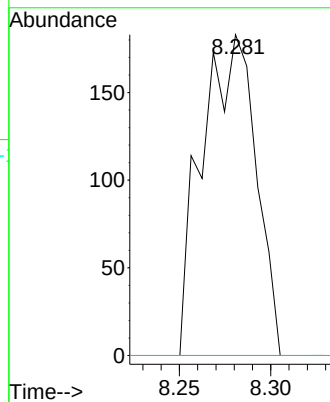
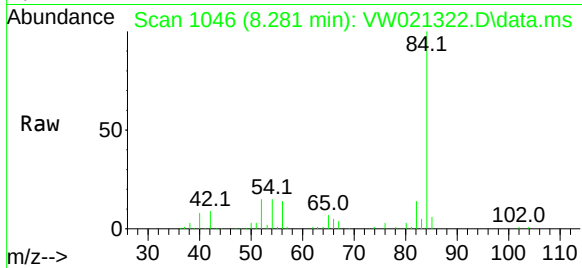
ClientSampleId :

Tgt Ion: 62 Resp: 377

Ion Ratio Lower Upper

62 100

98 0.0 6.5 9.7#



#34

Trichloroethene

Concen: 2.260 ug/L

RT: 8.842 min Scan# 1138

Delta R.T. -0.250 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

Tgt Ion: 95 Resp: 1313

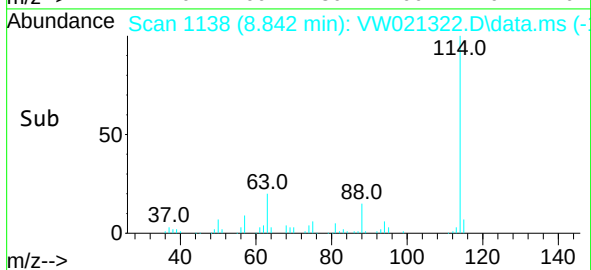
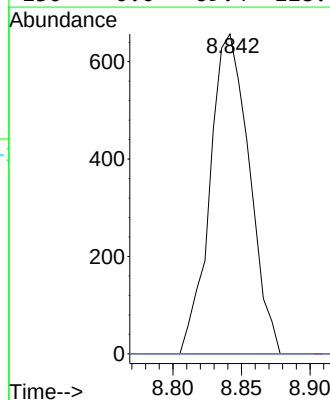
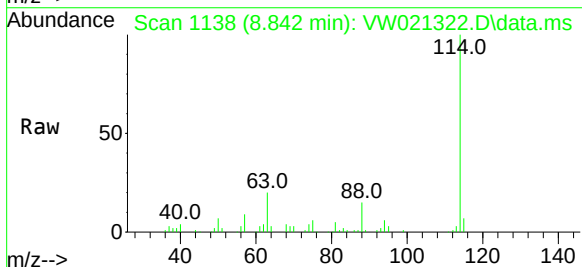
Ion Ratio Lower Upper

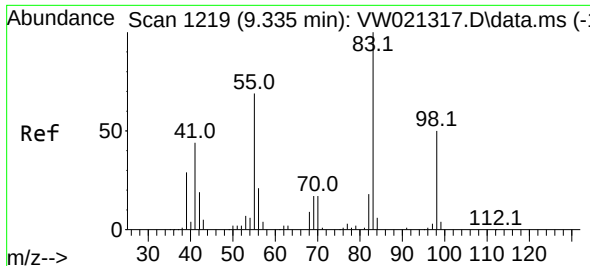
95 100

97 0.0 47.0 87.2#

132 0.0 65.5 121.6#

130 0.0 69.4 128.8#

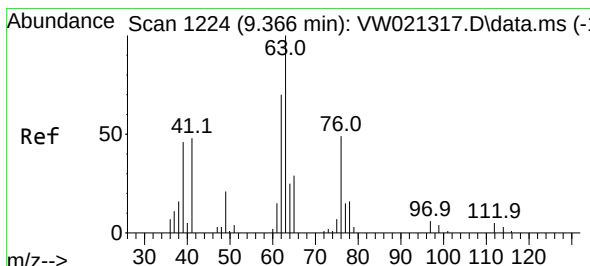
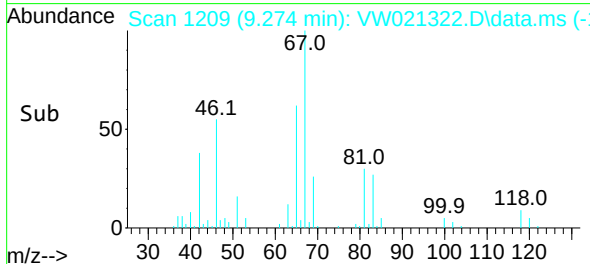
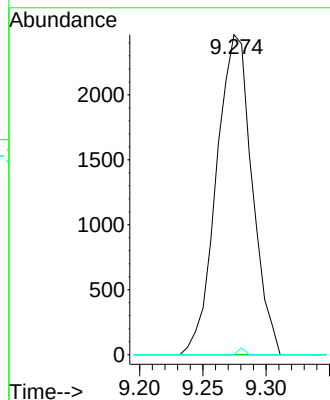
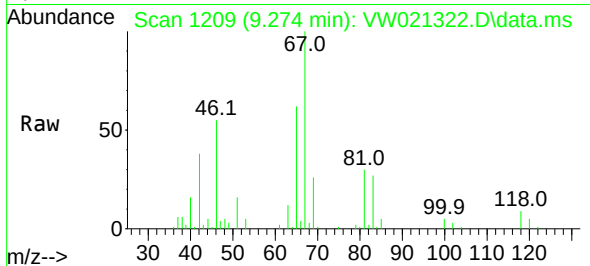




#35  
Methylcyclohexane  
Concen: 5.038 ug/L  
RT: 9.274 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VW021322.D  
Acq: 11 Dec 2021 13:16

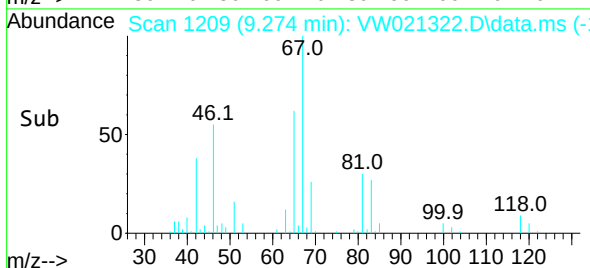
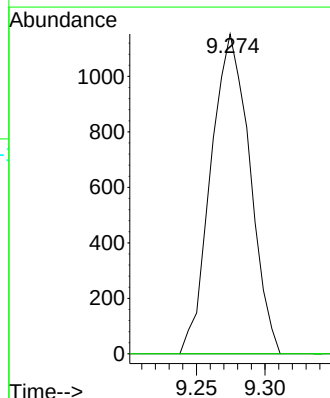
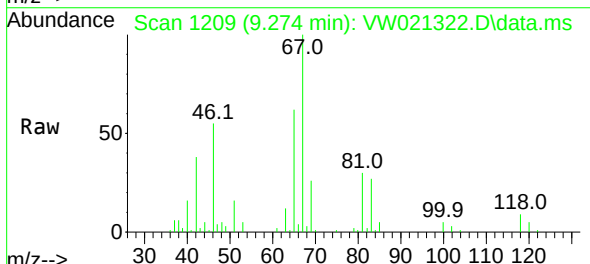
Instrument :  
MSVOA\_W  
ClientSampleId :

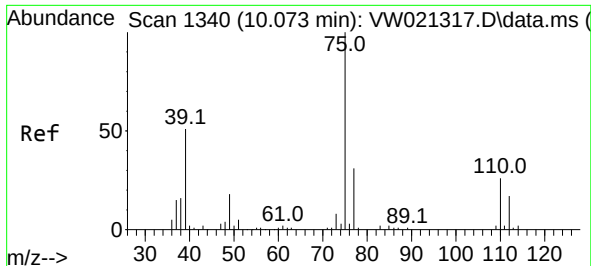
Tgt Ion: 83 Resp: 4829  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.8 106.2#  
98 0.0 37.7 56.5#



#37  
1,2-Dichloropropane  
Concen: 4.936 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.092 min  
Lab File: VW021322.D  
Acq: 11 Dec 2021 13:16

Tgt Ion: 63 Resp: 2279  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 1.017 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

Instrument :

MSVOA\_W

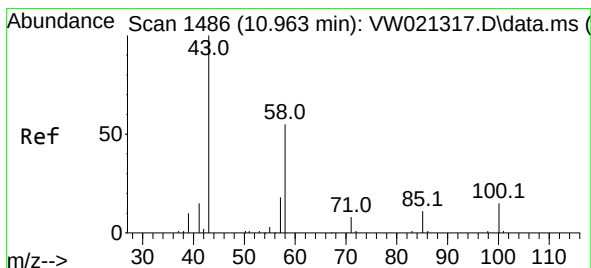
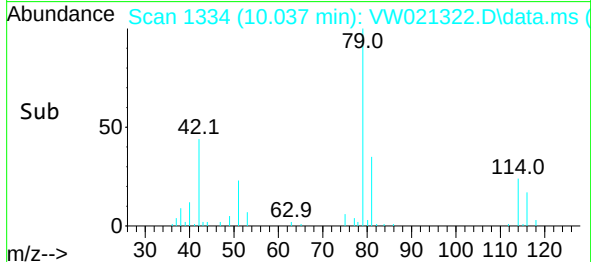
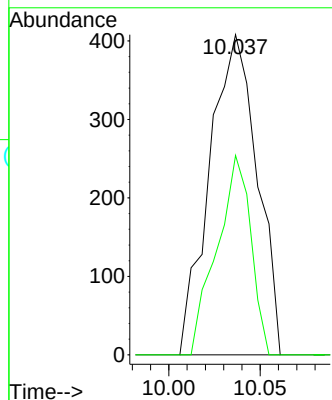
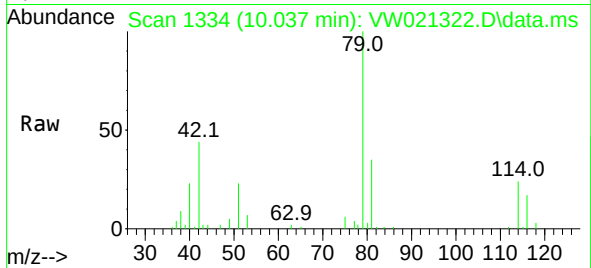
ClientSampleId :

Tgt Ion: 75 Resp: 740

Ion Ratio Lower Upper

75 100

77 62.3 21.8 40.6#



#48

2-Hexanone

Concen: 4.736 ug/L

RT: 10.927 min Scan# 1480

Delta R.T. -0.043 min

Lab File: VW021322.D

Acq: 11 Dec 2021 13:16

Tgt Ion: 43 Resp: 864

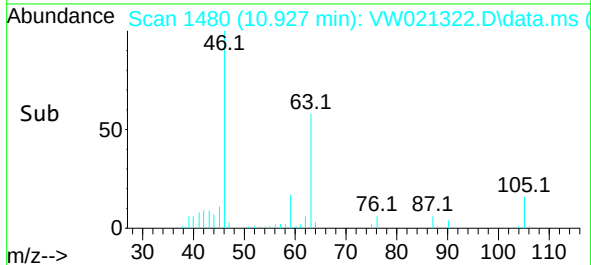
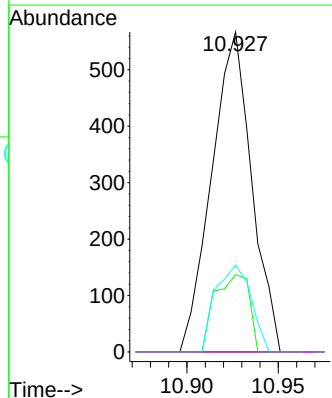
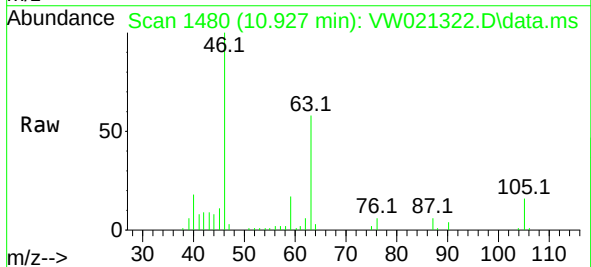
Ion Ratio Lower Upper

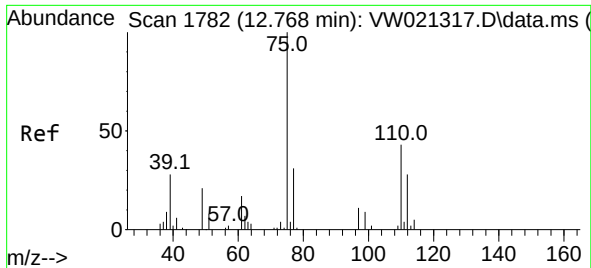
43 100

58 20.6 40.2 60.2#

57 24.1 14.3 21.5#

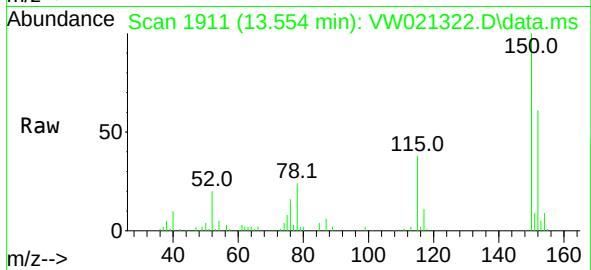
100 0.0 8.0 12.0#





#61  
 1,2,3-Trichloropropane  
 Concen: 7.608 ug/L  
 RT: 13.554 min Scan# 1911  
 Delta R.T. 0.786 min  
 Lab File: VW021322.D  
 Acq: 11 Dec 2021 13:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 1727        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 38.0  | 25.8 38.8   |
| 110         | 1.3   | 29.0 43.4#  |

