

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110921\  
 Data File : VX025117.D  
 Acq On : 09 Nov 2021 13:25  
 Operator : JC/MD  
 Sample : M4464-04ME 10X  
 Misc : 7.05g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 GB7K2ME

Quant Time: Nov 10 02:52:32 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML110821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 10 02:50:07 2021  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2021  
 Supervised By : Mahesh Dadoda 11/10/2021

| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) 1,4-Difluorobenzene        | 6.769          | 114  | 148473     | 50.000    | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 135114     | 50.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 54796      | 50.000    | ug/L  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 4) Vinyl Chloride-d3          | 1.367          | 65   | 54118      | 40.310    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.620%   |       |          |
| 7) Chloroethane-d5            | 1.660          | 69   | 61535      | 73.111    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 146.220%# |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 63   | 89624      | 34.658    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.320%   |       |          |
| 21) 2-Butanone-d5             | 4.464          | 46   | 90526      | 98.113    | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 98.110%   |       |          |
| 24) Chloroform-d              | 5.062          | 84   | 113570     | 43.029    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.060%   |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.964          | 65   | 87338      | 50.583    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.160%  |       |          |
| 32) Benzene-d6                | 5.976          | 84   | 190592     | 39.618    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 79.240%   |       |          |
| 36) 1,2-Dichloropropane-d6    | 7.311          | 67   | 65218      | 46.007    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 92.020%   |       |          |
| 41) Toluene-d8                | 8.653          | 98   | 178382     | 44.110    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.220%   |       |          |
| 43) trans-1,3-Dichloroprop... | 8.951          | 79   | 34273      | 45.300    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 90.600%   |       |          |
| 47) 2-Hexanone-d5             | 9.390          | 63   | 60958m     | 100.672   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 100.670%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195         | 84   | 83361      | 42.483    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 84.960%   |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 50543      | 47.058    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.120%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.312          | 96   | 3283       | 3.097     | ug/L  | # 1      |
| 13) Acetone                   | 2.392          | 43   | 25104      | 27.651    | ug/L  | 89       |
| 19) 1,1-Dichloroethane        | 3.611          | 63   | 17405      | 7.747     | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.495          | 96   | 64242      | 51.553    | ug/L  | 68       |
| 34) Trichloroethene           | 7.129          | 95   | 220481     | 170.252   | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.586          | 43   | 3825       | 2.079     | ug/L  | # 36     |
| 42) Toluene                   | 8.720          | 91   | 337819     | 69.797    | ug/L  | 99       |
| -----                         |                |      |            |           |       |          |

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

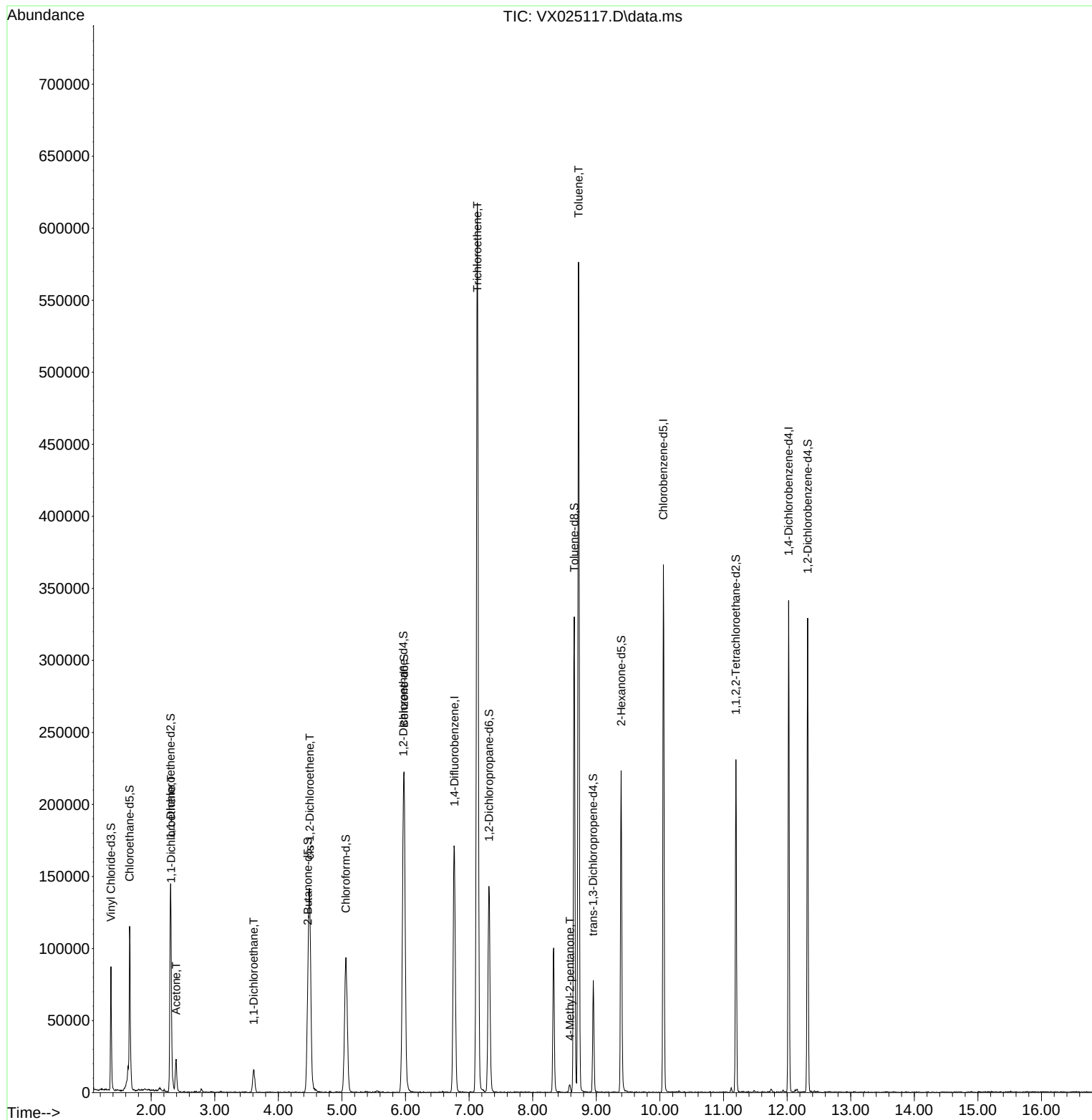
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110921\  
Data File : VX025117.D  
Acq On : 09 Nov 2021 13:25  
Operator : JC/MD  
Sample : M4464-04ME 10X  
Misc : 7.05g/5.0mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 10 Sample Multiplier: 1

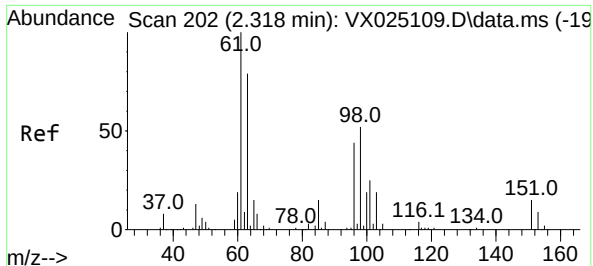
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB7K2ME

Quant Time: Nov 10 02:52:32 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM110821WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Nov 10 02:50:07 2021  
Response via : Initial Calibration

Manual Integrations  
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#12

1,1-Dichloroethene

Concen: 3.097 ug/L

RT: 2.312 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX025117.D

Acq: 09 Nov 2021 13:25

Instrument :

MSVOA\_X

ClientSampleId :

GB7K2ME

Tgt Ion: 96 Resp: 328

Ion Ratio Lower Upper

96 100

61 386.5 109.9 204.1

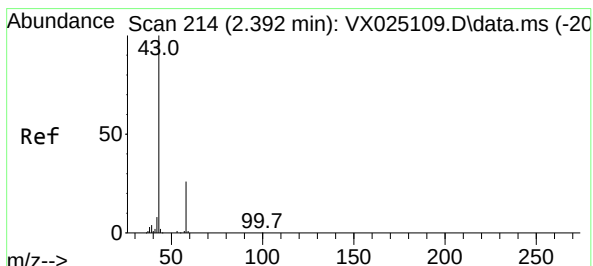
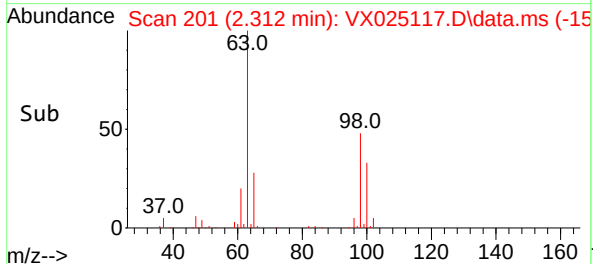
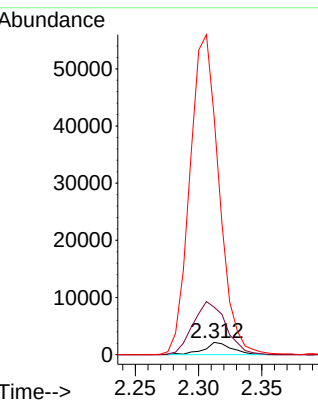
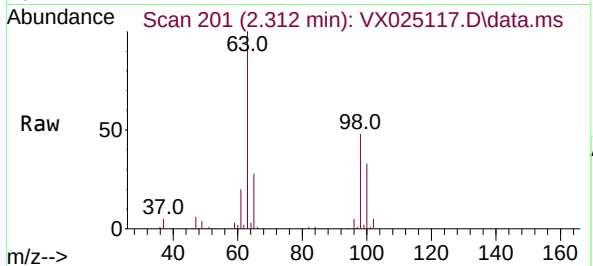
63 1936.6 92.4 171.0

Manual Integrations

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#13

Acetone

Concen: 27.651 ug/L

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX025117.D

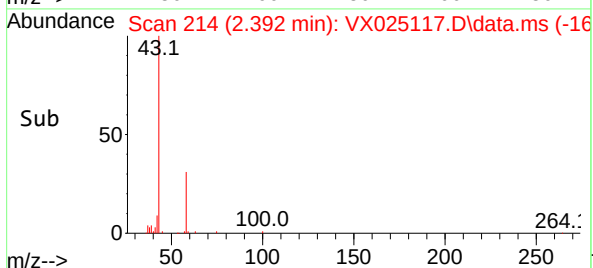
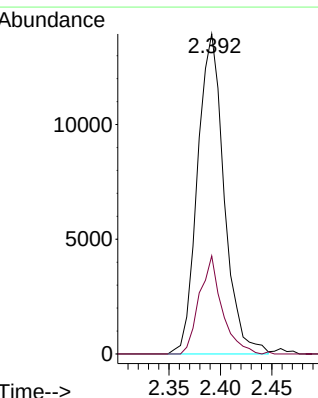
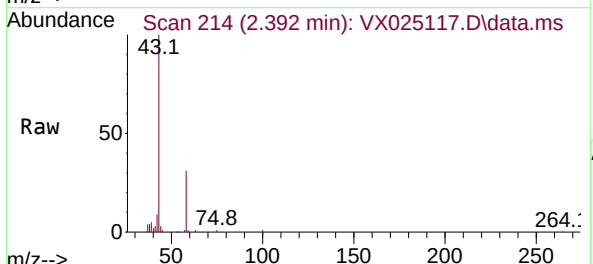
Acq: 09 Nov 2021 13:25

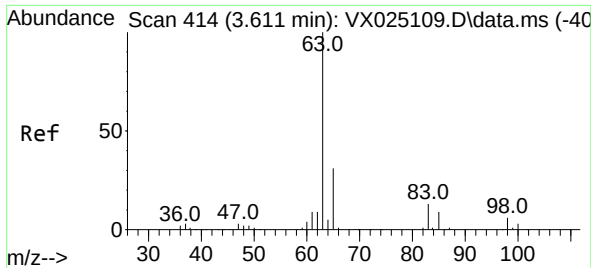
Tgt Ion: 43 Resp: 25104

Ion Ratio Lower Upper

43 100

58 26.1 0.0 64.8





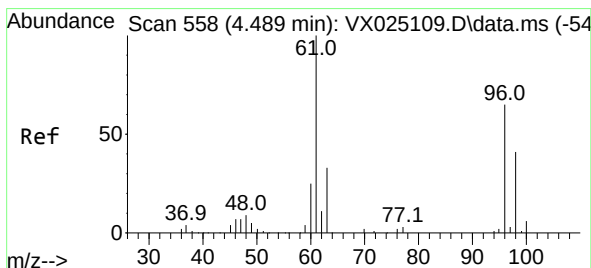
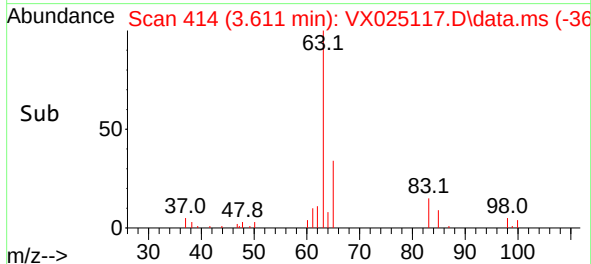
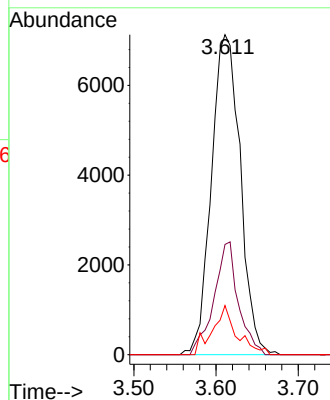
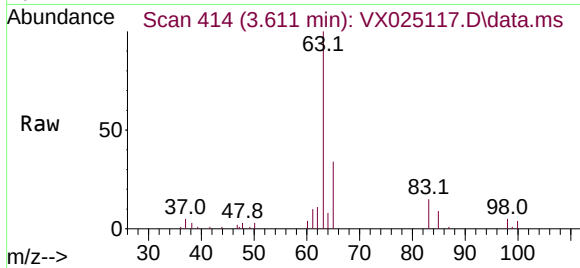
#19  
1,1-Dichloroethane  
Concen: 7.747 ug/L  
RT: 3.611 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VX025117.D  
Acq: 09 Nov 2021 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB7K2ME

Tgt Ion: 63 Resp: 1740  
Ion Ratio Lower Upper  
63 100  
65 34.4 24.5 45.5  
83 15.3 11.7 21.7

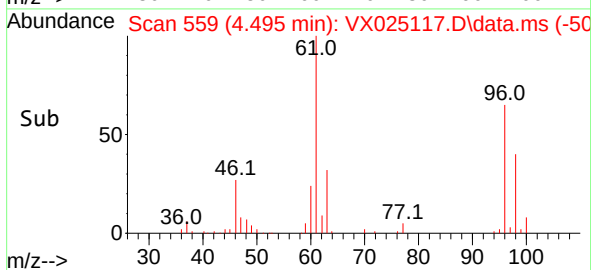
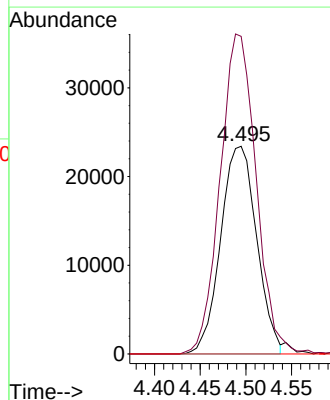
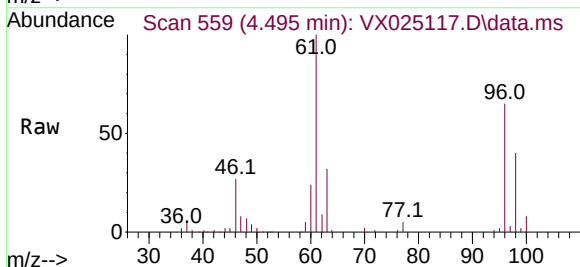
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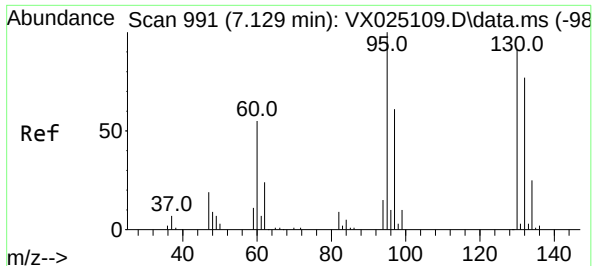
Reviewed By :John Carlone 11/10/2021  
Supervised By :Mahesh Dadoda 11/10/2021



#20  
cis-1,2-Dichloroethene  
Concen: 51.553 ug/L  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX025117.D  
Acq: 09 Nov 2021 13:25

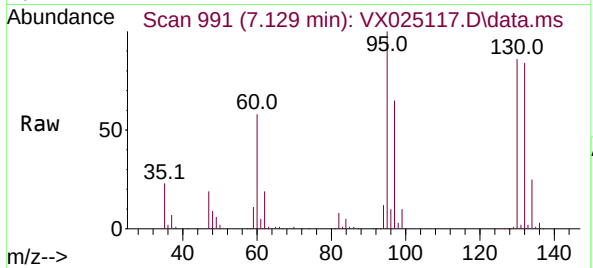
Tgt Ion: 96 Resp: 64242  
Ion Ratio Lower Upper  
96 100  
61 152.9 82.6 153.4  
68 0.0 0.0 0.0





#34  
Trichloroethene  
Concen: 170.252 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX025117.D  
Acq: 09 Nov 2021 13:25

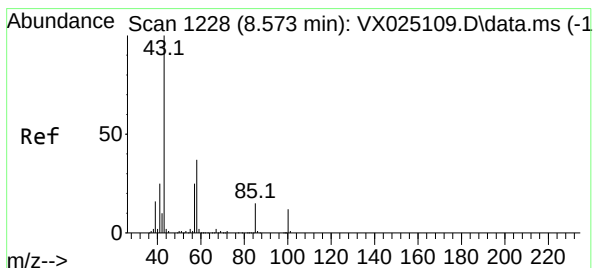
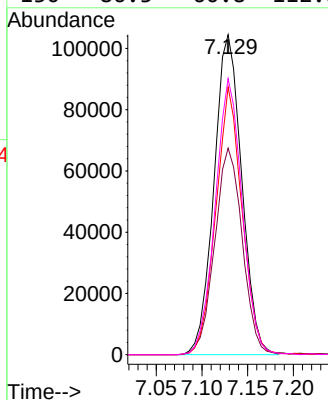
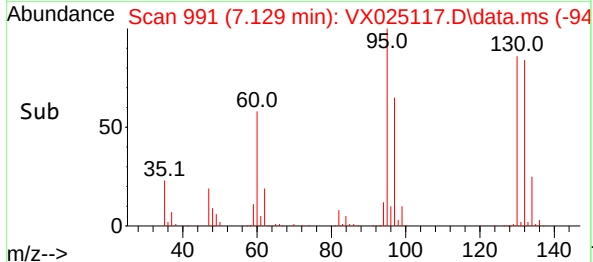
Instrument :  
MSVOA\_X  
ClientSampleId :  
GB7K2ME



Tgt Ion: 95 Resp: 22048  
Ion Ratio Lower Upper  
95 100  
97 64.5 44.2 82.2  
132 83.7 60.1 111.5  
130 86.3 60.8 112.8

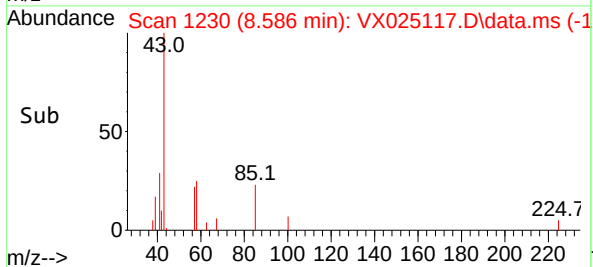
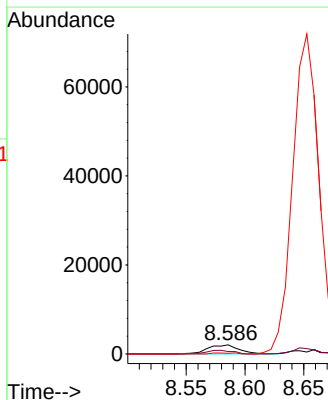
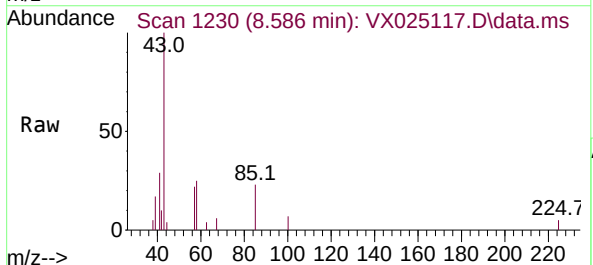
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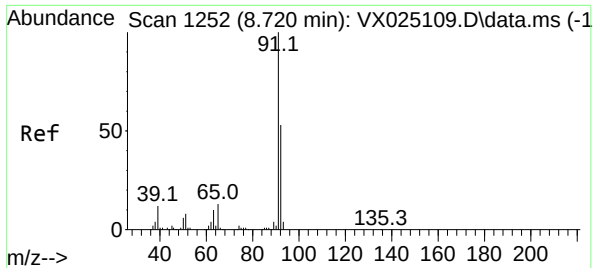
Reviewed By :John Carlone 11/10/2021  
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#40  
4-Methyl-2-pentanone  
Concen: 2.079 ug/L  
RT: 8.586 min Scan# 1230  
Delta R.T. 0.012 min  
Lab File: VX025117.D  
Acq: 09 Nov 2021 13:25

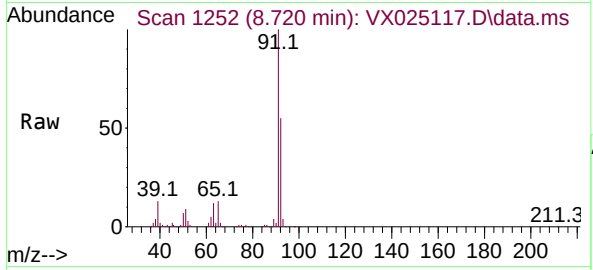
Tgt Ion: 43 Resp: 3825  
Ion Ratio Lower Upper  
43 100  
58 0.0 41.3 61.9#  
100 2.4 19.6 29.4#





#42  
Toluene  
Concen: 69.797 ug/L  
RT: 8.720 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX025117.D  
Acq: 09 Nov 2021 13:25

Instrument :  
MSVOA\_X  
ClientSampleId :  
GB7K2ME



Tgt Ion: 91 Resp: 337819  
Ion Ratio Lower Upper  
91 100  
92 55.3 39.3 72.9

Manual Integrations  
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