

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040524\  
 Data File : VU058449.D  
 Acq On : 06 Apr 2024 03:19  
 Operator : MD/SY  
 Sample : P1948-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AJ4

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024  
 Supervised By :Semsettin Yesilyurt 04/08/2024

Quant Time: Apr 06 06:01:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 06 00:37:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response  | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|-----------|----------|-------|----------|
| -----                         |        |       |           |          |       |          |
| Internal Standards            |        |       |           |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 85158     | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 79355     | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 34243     | 5.000    | ug/L  | 0.00     |
|                               |        |       |           |          |       |          |
| System Monitoring Compounds   |        |       |           |          |       |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 22242     | 3.945    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130  | Recovery | =     | 79.000%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 20861     | 4.258    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130  | Recovery | =     | 85.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 15817     | 6.198    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125  | Recovery | =     | 124.000% |
| 20) 2-Butanone-d5             | 4.653  | 46    | 50026     | 42.104   | ug/L  | 0.03     |
| Spiked Amount                 | 50.000 | Range | 40 - 130  | Recovery | =     | 84.200%  |
| 24) Chloroform-d              | 5.055  | 84    | 52254     | 4.643    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125  | Recovery | =     | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 24410     | 4.647    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130  | Recovery | =     | 93.000%  |
| 32) Benzene-d6                | 5.724  | 84    | 101981    | 4.773    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125  | Recovery | =     | 95.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 31856     | 4.755    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140  | Recovery | =     | 95.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 83202     | 4.391    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130  | Recovery | =     | 87.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 9976      | 4.797    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130  | Recovery | =     | 96.000%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 39853     | 46.459   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130  | Recovery | =     | 92.920%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 21555     | 4.557    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120  | Recovery | =     | 91.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 26572     | 4.607    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120  | Recovery | =     | 92.200%  |
|                               |        |       |           |          |       |          |
| Target Compounds              |        |       |           |          |       |          |
| 5) Vinyl chloride             | 1.596  | 62    | 13043     | 1.503    | ug/L  | 96       |
| 8) Chloroethane               | 1.927  | 64    | 1182      | 0.216    | ug/L  | 95       |
| 12) 1,1-Dichloroethene        | 2.560  | 96    | 16555209m | 2743.140 | ug/L  |          |
| 16) Methylene chloride        | 3.036  | 84    | 2932      | 0.366    | ug/L  | 88       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 5282549   | 382.630  | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96    | 2493      | 0.351    | ug/L  | 95       |
| 25) Chloroform                | 5.084  | 83    | 32757     | 2.451    | ug/L  | 97       |
| 27) 1,2-Dichloroethane        | 5.788  | 62    | 44710     | 5.495    | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.303  | 97    | 55040748m | 5173.297 | ug/L  |          |
| 34) Trichloroethene           | 6.534  | 95    | 722341    | 99.620   | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97    | 2066      | 0.467    | ug/L  | 88       |
| 47) Tetrachloroethene         | 8.547  | 164   | 12571     | 2.365    | ug/L  | 98       |
| -----                         |        |       |           |          |       |          |

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

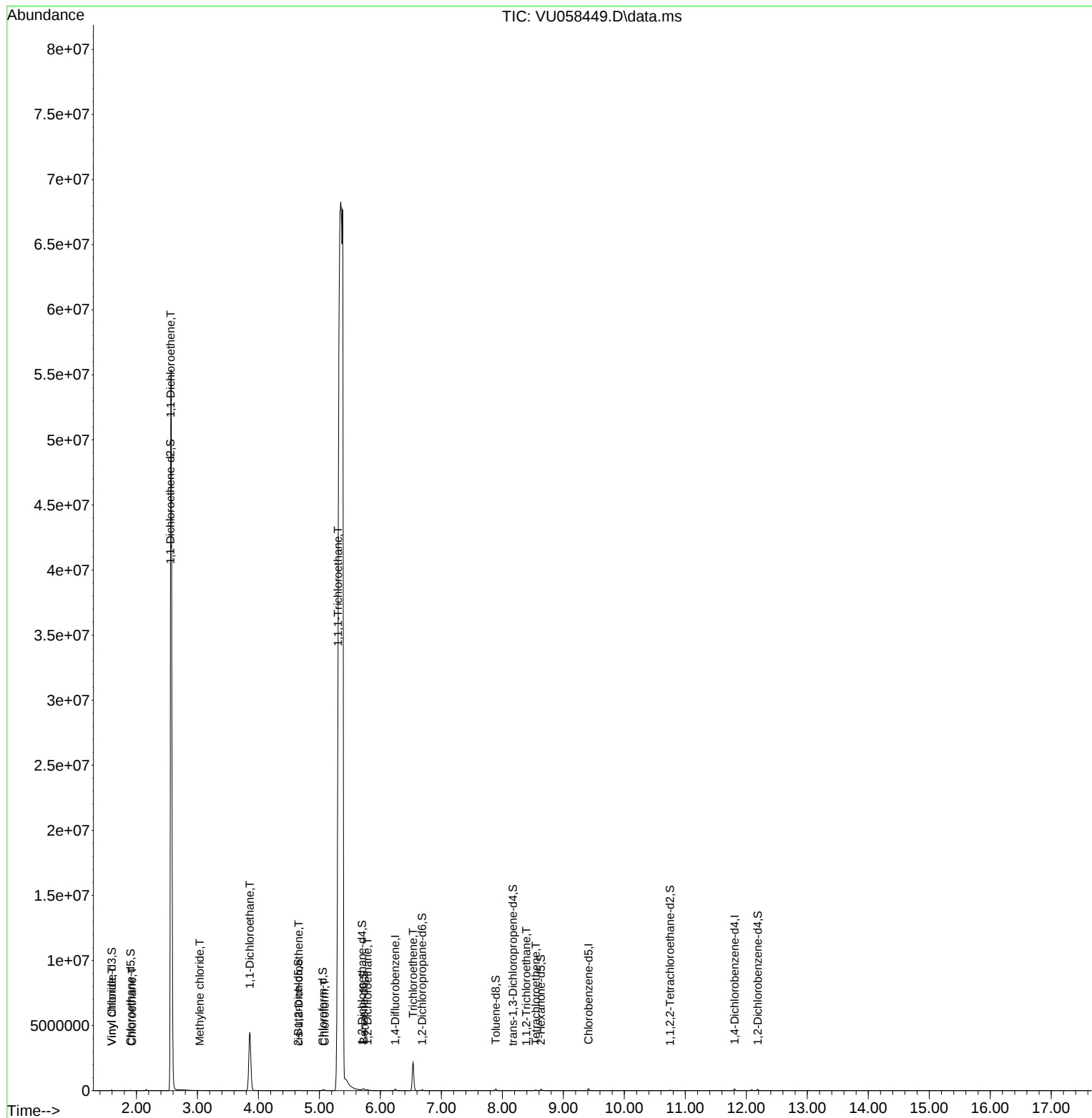
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040524\  
Data File : VU058449.D  
Acq On : 06 Apr 2024 03:19  
Operator : MD/SY  
Sample : P1948-15  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 49 Sample Multiplier: 1

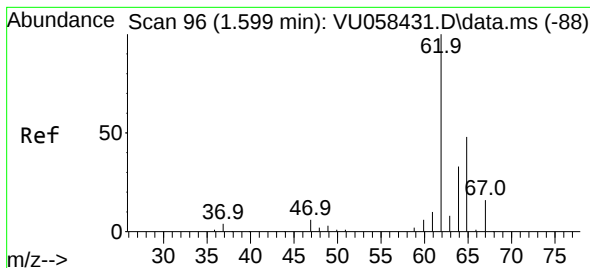
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ4

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024  
Supervised By :Semsettin Yesilyurt 04/08/2024

Quant Time: Apr 06 06:01:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Apr 06 00:37:11 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.503 ug/L

RT: 1.596 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA\_U

ClientSampleId :

C0AJ4

Tgt Ion: 62 Resp: 1304

Ion Ratio Lower Upper

62 100

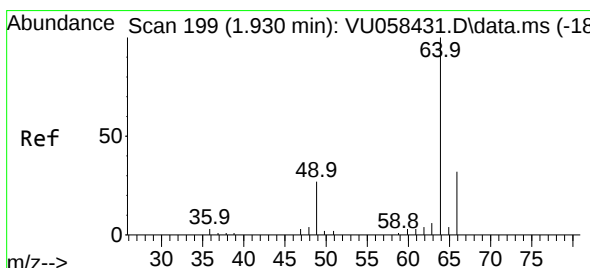
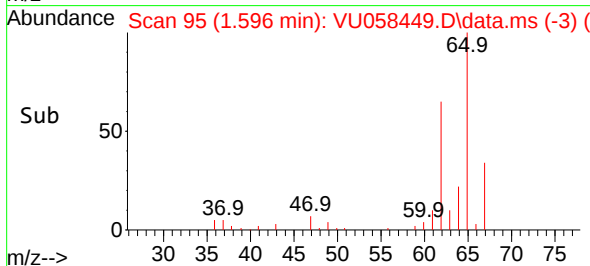
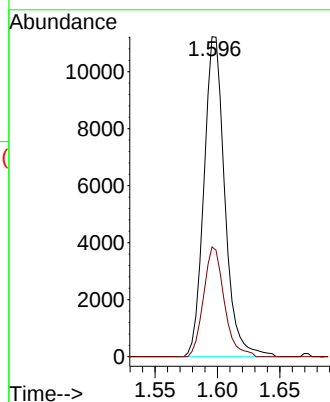
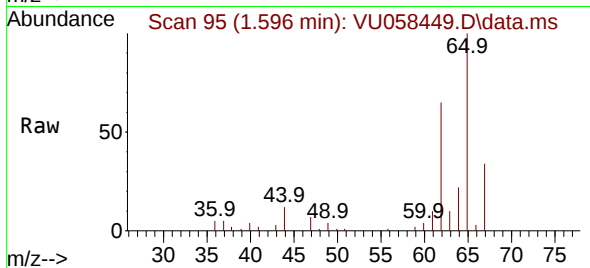
64 34.3 22.6 42.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024

Supervised By :Semsettin Yesilyurt 04/08/2024



#8

Chloroethane

Concen: 0.216 ug/L

RT: 1.927 min Scan# 198

Delta R.T. -0.003 min

Lab File: VU058449.D

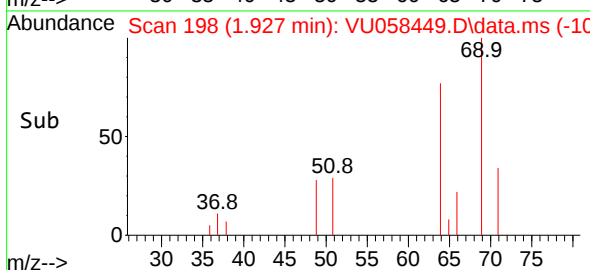
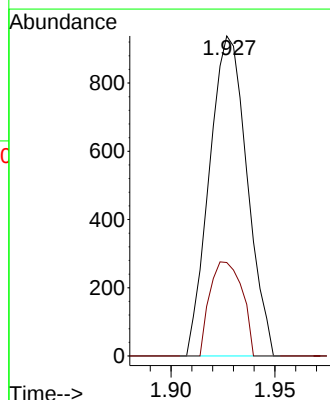
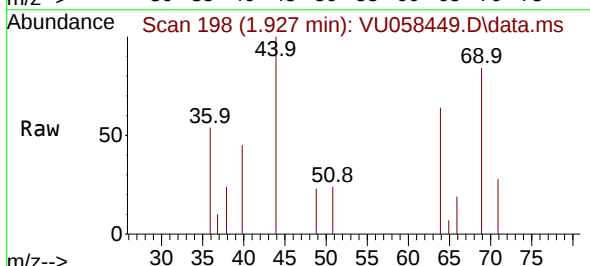
Acq: 06 Apr 2024 03:19

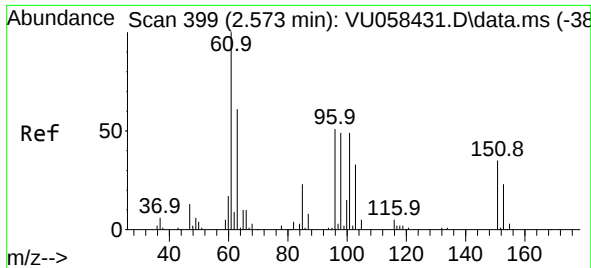
Tgt Ion: 64 Resp: 1182

Ion Ratio Lower Upper

64 100

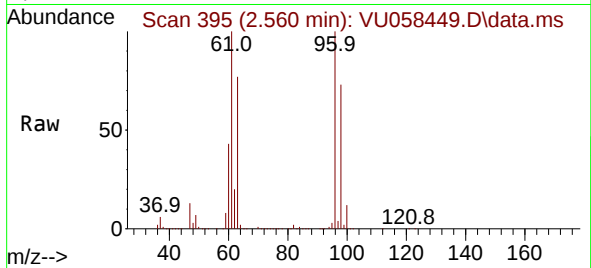
66 29.2 22.5 41.9





#12  
1,1-Dichloroethene  
Concen: 2743.140 ug/L m  
RT: 2.560 min Scan# 399  
Delta R.T. -0.013 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

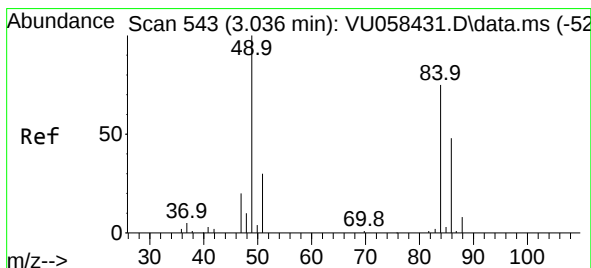
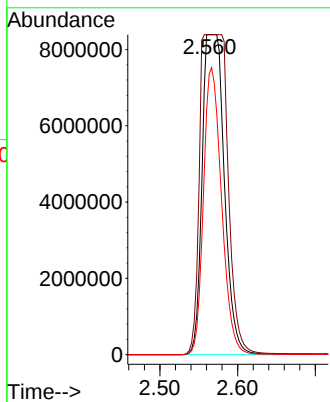
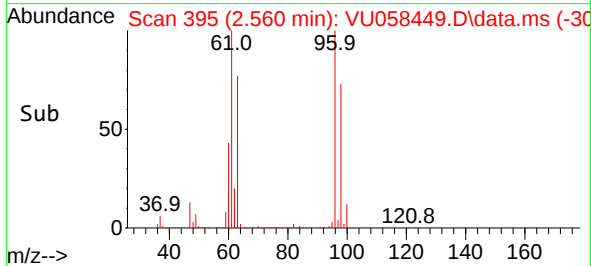
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ4



Tgt Ion: 96 Resp:16555209  
Ion Ratio Lower Upper  
96 100  
61 100.0 132.5 246.1  
63 76.7 87.7 162.9

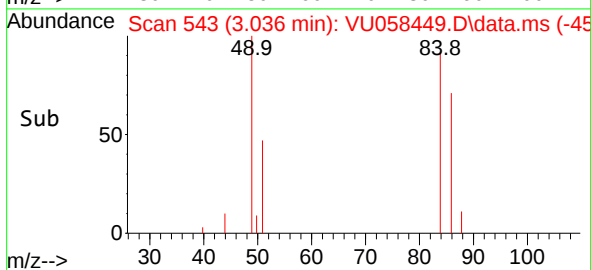
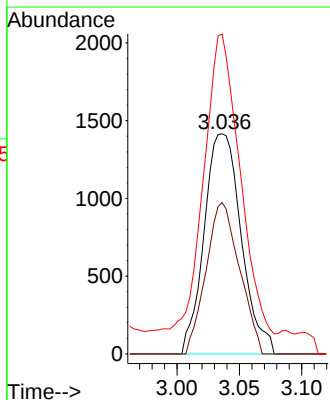
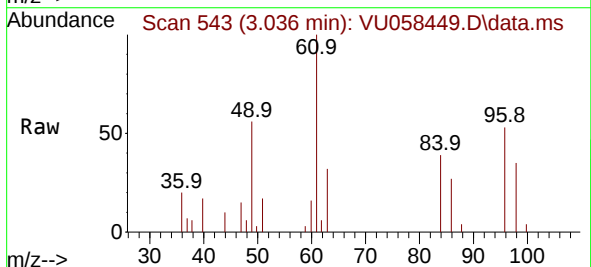
Manual Integrations  
APPROVED

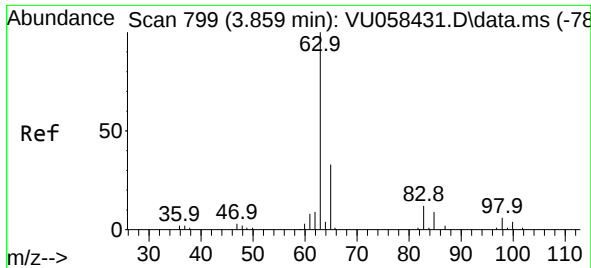
Reviewed By :Mahesh Dadoda 04/08/2024  
Supervised By :Semsettin Yesilyurt 04/08/2024



#16  
Methylene chloride  
Concen: 0.366 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. 0.000 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

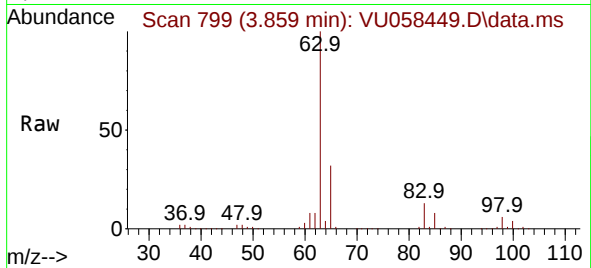
Tgt Ion: 84 Resp: 2932  
Ion Ratio Lower Upper  
84 100  
86 68.7 44.3 82.3  
49 154.1 96.0 178.2





#19  
1,1-Dichloroethane  
Concen: 382.630 ug/L  
RT: 3.859 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

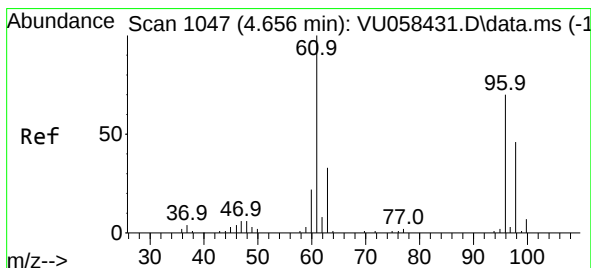
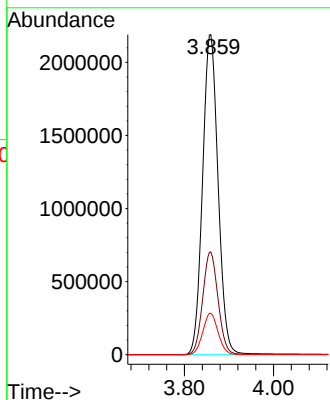
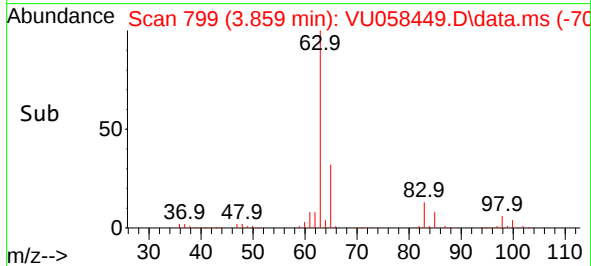
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ4



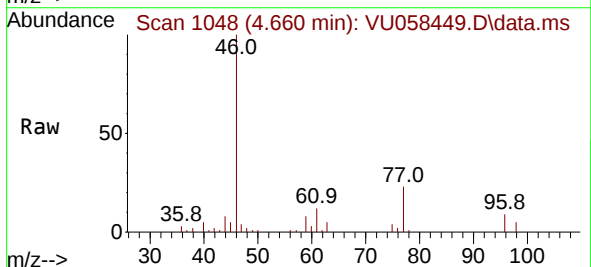
Tgt Ion: 63 Resp: 5282549  
Ion Ratio Lower Upper  
63 100  
65 32.1 22.9 42.5  
83 12.9 9.6 17.8

Manual Integrations  
APPROVED

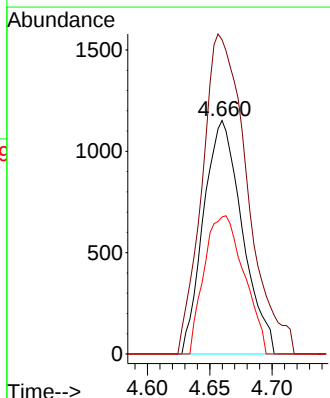
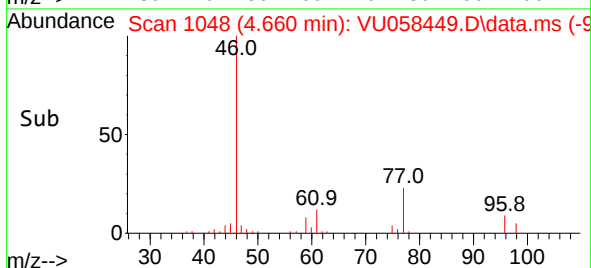
Reviewed By :Mahesh Dadoda 04/08/2024  
Supervised By :Semsettin Yesilyurt 04/08/2024

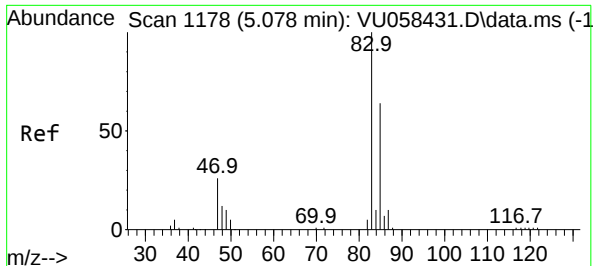


#22  
cis-1,2-Dichloroethene  
Concen: 0.351 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19



Tgt Ion: 96 Resp: 2493  
Ion Ratio Lower Upper  
96 100  
61 134.6 98.1 182.3  
98 58.7 43.6 81.0





#25

Chloroform

Concen: 2.451 ug/L

RT: 5.084 min Scan# 1178

Delta R.T. 0.007 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

Instrument :

MSVOA\_U

ClientSampleId :

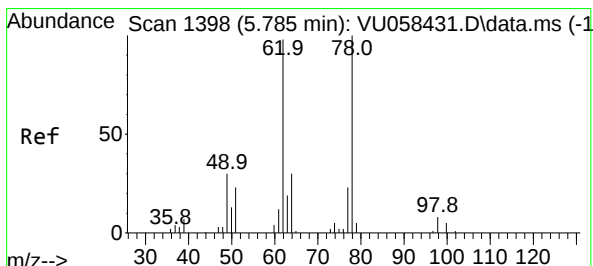
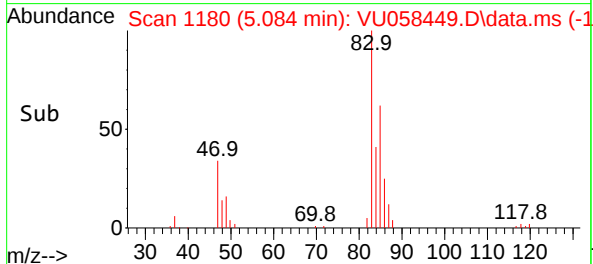
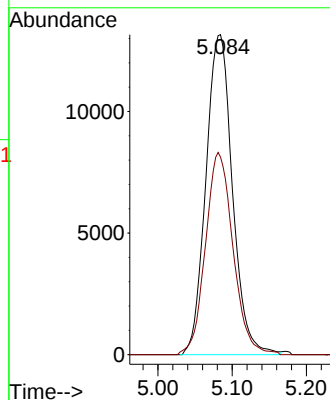
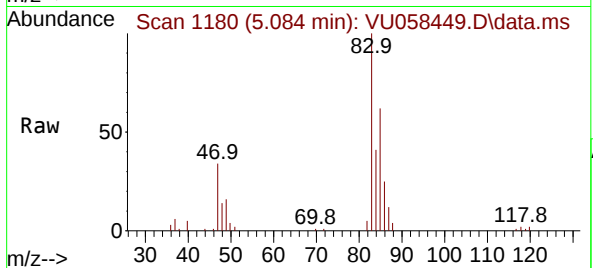
C0AJ4

Tgt Ion: 83 Resp: 3275  
 Ion Ratio Lower Upper  
 83 100  
 85 61.8 44.7 83.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024  
 Supervised By :Semsettin Yesilyurt 04/08/2024



#27

1,2-Dichloroethane

Concen: 5.495 ug/L

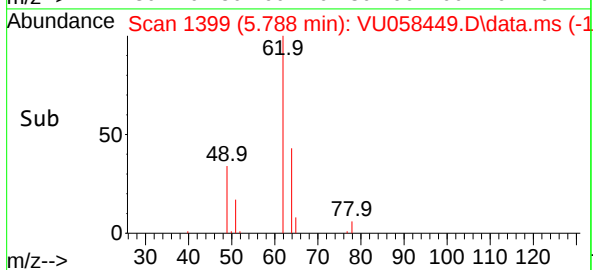
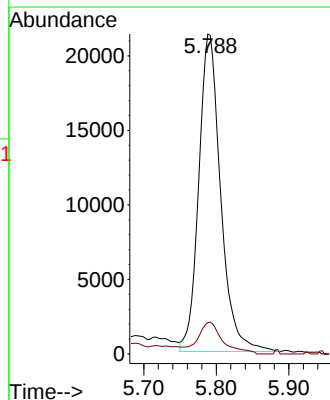
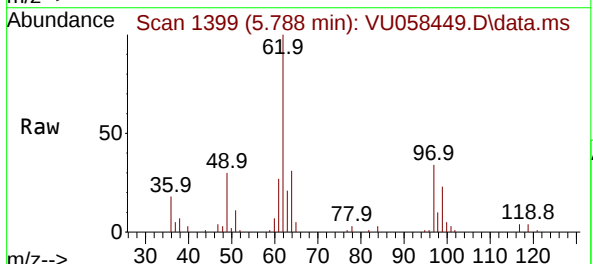
RT: 5.788 min Scan# 1399

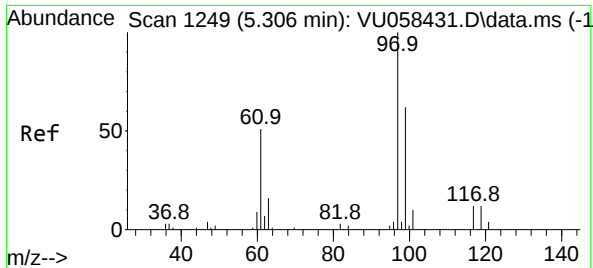
Delta R.T. 0.003 min

Lab File: VU058449.D

Acq: 06 Apr 2024 03:19

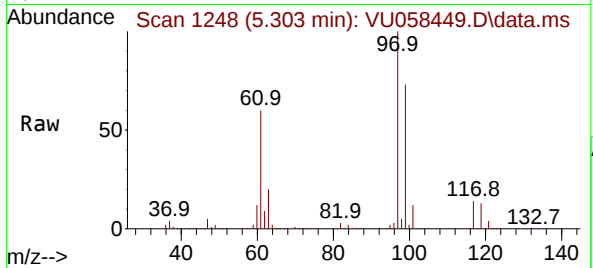
Tgt Ion: 62 Resp: 44710  
 Ion Ratio Lower Upper  
 62 100  
 98 9.8 7.0 10.4





#29  
1,1,1-Trichloroethane  
Concen: 5173.297 ug/L m  
RT: 5.303 min Scan# 1248  
Delta R.T. -0.003 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

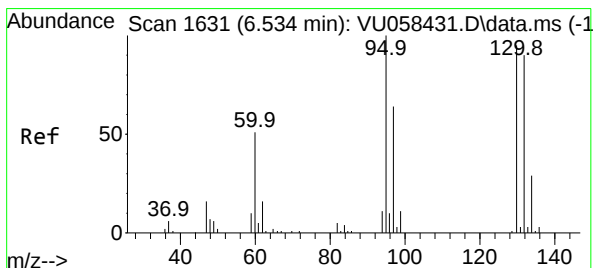
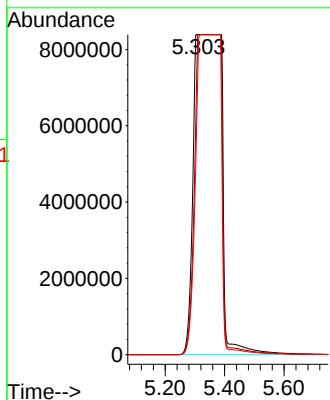
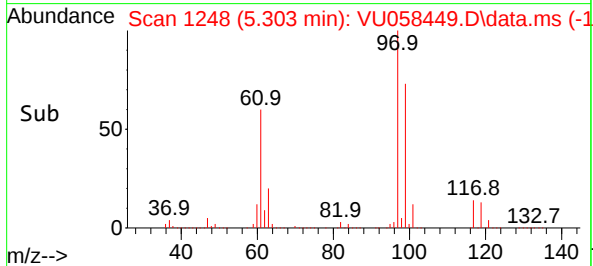
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ4



Tgt Ion: 97 Resp: 5504074  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.4 75.6  
61 0.0 39.4 59.0

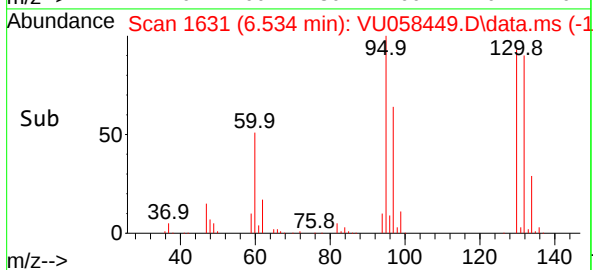
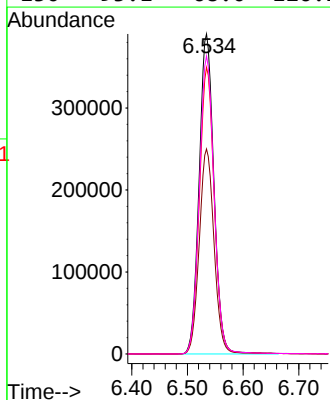
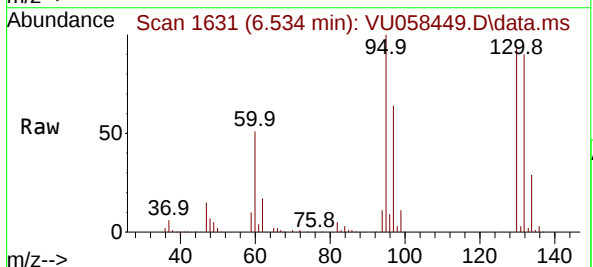
Manual Integrations  
APPROVED

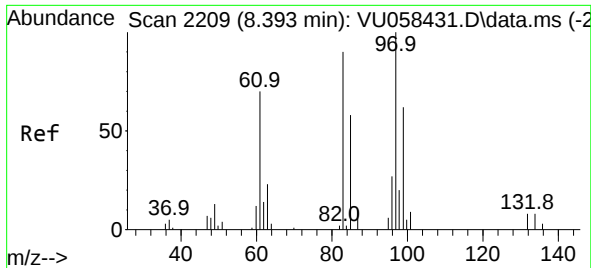
Reviewed By :Mahesh Dadoda 04/08/2024  
Supervised By :Semsettin Yesilyurt 04/08/2024



#34  
Trichloroethene  
Concen: 99.620 ug/L  
RT: 6.534 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

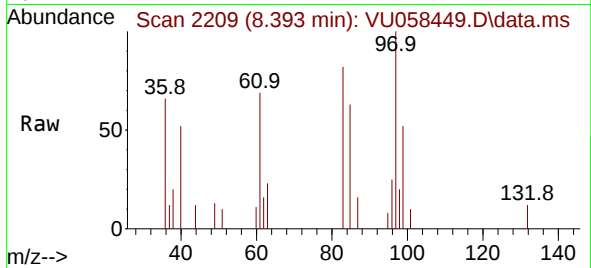
Tgt Ion: 95 Resp: 722341  
Ion Ratio Lower Upper  
95 100  
97 64.0 45.6 84.6  
132 89.6 64.8 120.3  
130 93.1 68.0 126.2





#45  
1,1,2-Trichloroethane  
Concen: 0.467 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AJ4

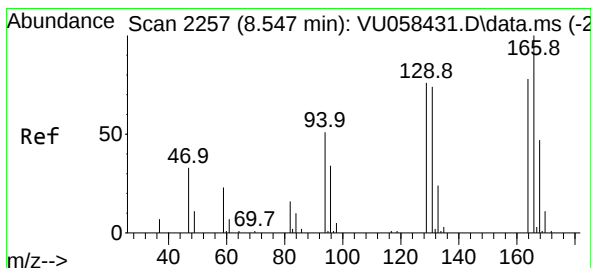
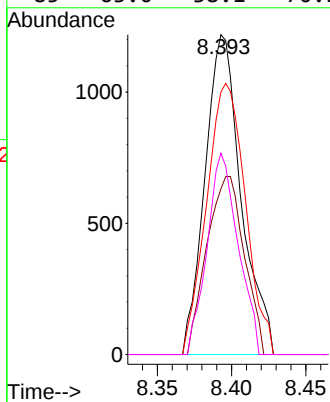
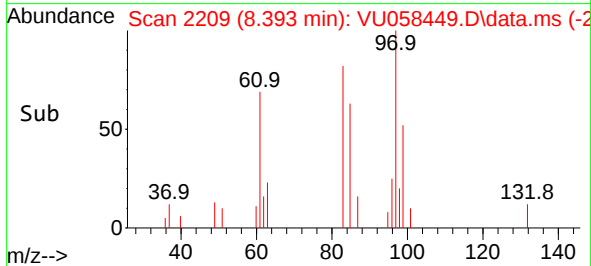


Tgt Ion: 97 Resp: 2060

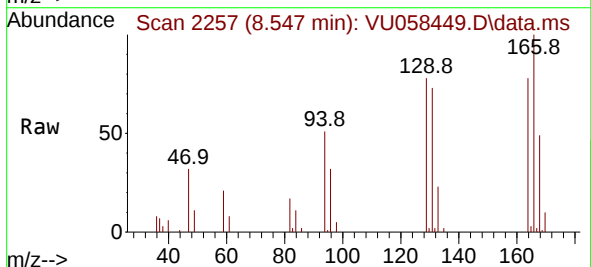
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 51.8  | 43.7  | 81.1  |
| 83  | 82.1  | 64.5  | 119.7 |
| 85  | 63.0  | 38.1  | 70.9  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 04/08/2024  
Supervised By :Semsettin Yesilyurt 04/08/2024



#47  
Tetrachloroethene  
Concen: 2.365 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU058449.D  
Acq: 06 Apr 2024 03:19



Tgt Ion:164 Resp: 12571

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.7 | 67.3  | 125.1 |
| 131 | 93.4  | 65.5  | 121.6 |
| 166 | 128.7 | 89.5  | 166.1 |

