

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052424\  
 Data File : VU058952.D  
 Acq On : 23 May 2024 16:43  
 Operator : MD/SY  
 Sample : P2409-05  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 24 07:16:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052324WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 24 06:52:32 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin  
 Yesilyurt  
 05/27/2024  
 Supervised By :Mahesh  
 Dadoda  
 05/27/2024

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 172134   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 178719   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 85188    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595   | 65    | 91905    | 50.482   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 100.960% |
| 7) Chloroethane-d5            | 1.907   | 69    | 73249    | 48.412   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 96.820%  |
| 11) 1,1-Dichloroethene-d2     | 2.563   | 63    | 110985   | 39.902   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.800%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 138241   | 110.545  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 110.540% |
| 24) Chloroform-d              | 5.055   | 84    | 155562   | 49.816   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.640%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 100147   | 52.439   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.880% |
| 32) Benzene-d6                | 5.721   | 84    | 315237   | 51.738   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.480% |
| 36) 1,2-Dichloropropane-d6    | 6.682   | 67    | 106037   | 52.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 105.380% |
| 41) Toluene-d8                | 7.891   | 98    | 267463   | 48.974   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.940%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 43779    | 48.447   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.900%  |
| 47) 2-Hexanone-d5             | 8.627   | 63    | 85781    | 103.062  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749  | 84    | 156150   | 51.576   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.160% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 97018    | 55.194   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 110.380% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 2357     | 2.047    | ug/L   | 94       |
| 3) Chloromethane              | 1.518   | 50    | 2787     | 2.258    | ug/L   | 93       |
| 5) Vinyl chloride             | 1.602   | 62    | 3520     | 2.443    | ug/L # | 72       |
| 6) Bromomethane               | 1.853   | 94    | 1746     | 2.044    | ug/L   | 87       |
| 8) Chloroethane               | 1.930   | 64    | 2296     | 2.323    | ug/L # | 78       |
| 9) Trichlorofluoromethane     | 2.136   | 101   | 4085     | 2.084    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576   | 101   | 3459     | 2.596    | ug/L # | 59       |
| 12) 1,1-Dichloroethene        | 2.573   | 96    | 3087     | 2.895    | ug/L # | 1        |
| 13) Acetone                   | 2.628   | 43    | 4246     | 3.851    | ug/L   | 88       |
| 14) Carbon disulfide          | 2.792   | 76    | 4769     | 2.377    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.956   | 43    | 4009     | 2.256    | ug/L # | 72       |
| 16) Methylene chloride        | 3.039   | 84    | 5774     | 3.394    | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.351   | 96    | 2257     | 2.107    | ug/L   | 85       |
| 18) Methyl tert-butyl Ether   | 3.361   | 73    | 8581     | 2.024    | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 3.862   | 63    | 5627     | 2.062    | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.663   | 96    | 3197     | 2.255    | ug/L   | 89       |
| 22) 2-Butanone                | 4.727   | 43    | 6230m    | 4.338    | ug/L   |          |
| 23) Bromochloromethane        | 4.968   | 128   | 1469     | 1.987    | ug/L # | 84       |
| 27) 1,2-Dichloroethane        | 5.795   | 62    | 4619m    | 2.100    | ug/L   |          |

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Quant Time: May 24 07:16:04 2024  
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 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin  
 Yesilyurt  
 05/27/2024

Supervised By :Mahesh  
 Dadoda  
 05/27/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 29) Cyclohexane               | 5.383  | 56   | 2855     | 1.877 | ug/L  | #        | 76 |
| 30) 1,1,1-Trichloroethane     | 5.312  | 97   | 4357     | 2.031 | ug/L  |          | 96 |
| 31) Carbon tetrachloride      | 5.515  | 117  | 3501     | 2.021 | ug/L  |          | 99 |
| 34) Trichloroethene           | 6.541  | 95   | 3195     | 2.240 | ug/L  |          | 91 |
| 35) Methylcyclohexane         | 6.756  | 83   | 3210     | 1.921 | ug/L  | #        | 86 |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 3784     | 2.167 | ug/L  | #        | 96 |
| 38) Bromodichloromethane      | 7.100  | 83   | 4506     | 2.076 | ug/L  | #        | 98 |
| 39) cis-1,3-Dichloropropene   | 7.608  | 75   | 5055     | 2.102 | ug/L  |          | 98 |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 10464    | 4.204 | ug/L  | #        | 91 |
| 42) Toluene                   | 7.965  | 91   | 11850    | 2.058 | ug/L  |          | 95 |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 4799m    | 2.108 | ug/L  |          |    |
| 45) 1,1,2-Trichloroethane     | 8.399  | 97   | 3396     | 1.970 | ug/L  |          | 96 |
| 46) Tetrachloroethene         | 8.550  | 164  | 2141     | 2.252 | ug/L  |          | 83 |
| 49) Dibromochloromethane      | 8.804  | 129  | 3560     | 2.161 | ug/L  |          | 84 |
| 50) 1,2-Dibromoethane         | 8.923  | 107  | 3549     | 2.154 | ug/L  | #        | 93 |
| 51) Chlorobenzene             | 9.441  | 112  | 8438     | 2.217 | ug/L  |          | 95 |
| 52) Ethylbenzene              | 9.569  | 91   | 11379    | 1.826 | ug/L  |          | 91 |
| 53) m,p-Xylene                | 9.692  | 106  | 3572     | 1.595 | ug/L  |          | 98 |
| 54) o-Xylene                  | 10.100 | 106  | 3519     | 1.570 | ug/L  |          | 94 |
| 55) Styrene                   | 10.119 | 104  | 5992     | 1.497 | ug/L  |          | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 7092     | 2.283 | ug/L  | #        | 93 |
| 59) Bromoform                 | 10.286 | 173  | 2522     | 2.234 | ug/L  | #        | 95 |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 5132     | 2.367 | ug/L  |          | 96 |
| 61) Isopropylbenzene          | 10.479 | 105  | 9946     | 1.828 | ug/L  |          | 95 |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 7212     | 1.683 | ug/L  |          | 99 |
| 63) 1,2,4-Trimethylbenzene    | 11.470 | 105  | 6956     | 1.609 | ug/L  |          | 95 |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 5923     | 2.097 | ug/L  |          | 98 |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 6874     | 2.410 | ug/L  |          | 94 |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 6700     | 2.332 | ug/L  | #        | 85 |
| 68) 1,2-Dibromo-3-chloropr... | 13.000 | 75   | 1354     | 2.309 | ug/L  | #        | 49 |
| 69) 1,3,5-Trichlorobenzene    | 13.219 | 180  | 4000     | 2.011 | ug/L  | #        | 90 |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 3723     | 2.173 | ug/L  |          | 87 |
| 71) Naphthalene               | 14.097 | 128  | 9167m    | 1.834 | ug/L  |          |    |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 2949m    | 1.680 | ug/L  |          |    |

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

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### Manual Integrations APPROVED

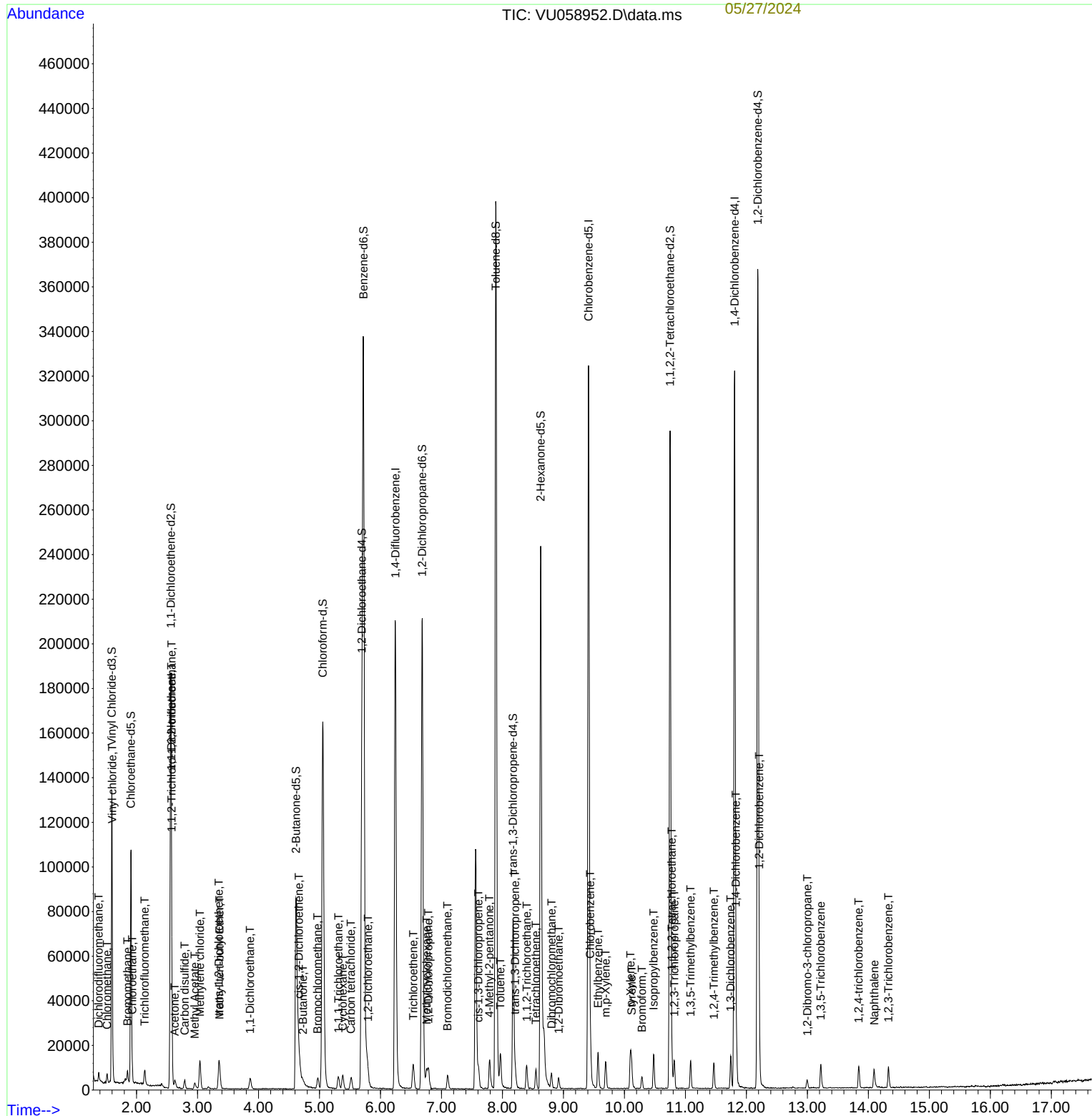
Reviewed By :Semsettin  
 Yesilyurt

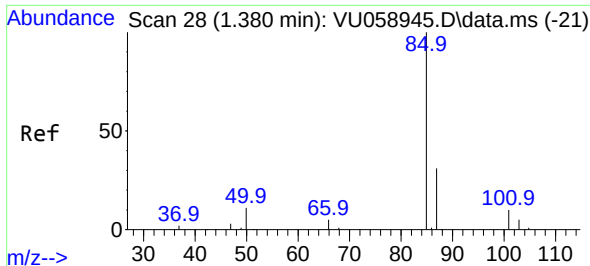
05/27/2024

Supervised By :Mahesh

Dadoda

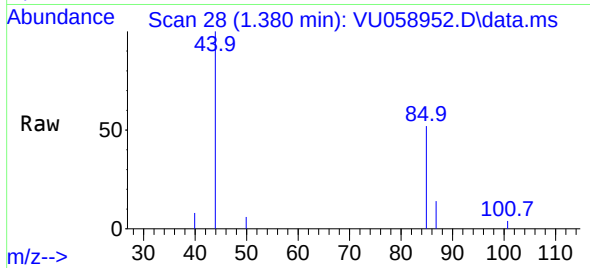
05/27/2024





#2  
 Dichlorodifluoromethane  
 Concen: 2.047 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU058952.D  
 Acq: 23 May 2024 16:43

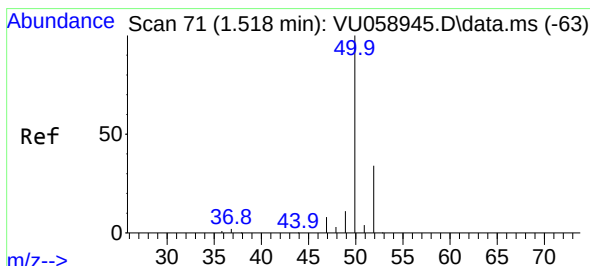
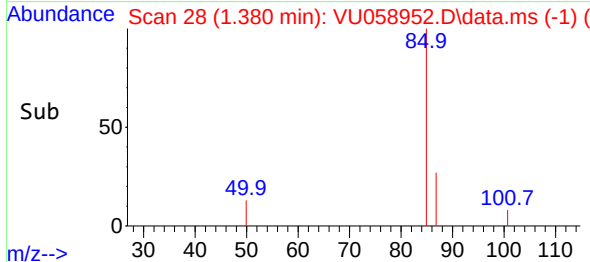
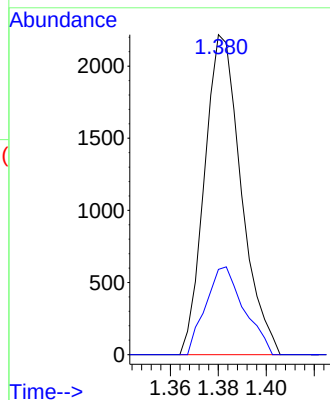
Instrument : MSVOA\_U  
 ClientSampleId : MDL-MED-SOIL-QT2-2024-03



Tgt Ion: 85 Resp: 235  
 Ion Ratio Lower Upper  
 85 100  
 87 28.6 25.7 38.5

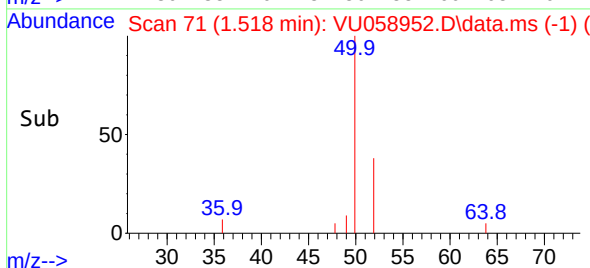
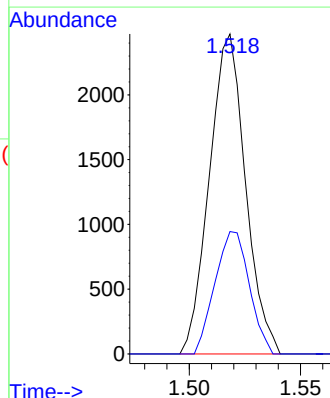
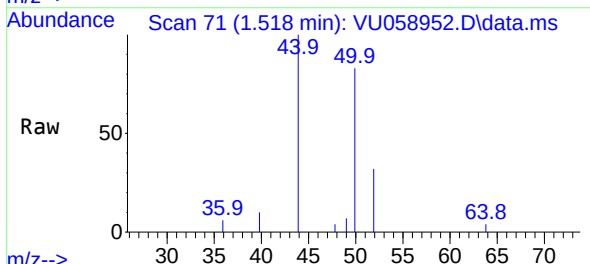
Manual Integrations  
 APPROVED

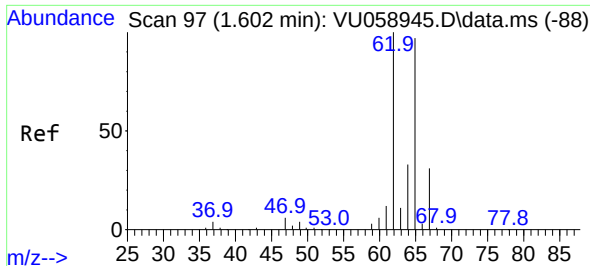
Reviewed By :Semsettin  
 Yesilyurt  
 05/27/2024  
 Supervised By :Mahesh  
 Dadoda  
 05/27/2024



#3  
 Chloromethane  
 Concen: 2.258 ug/L  
 RT: 1.518 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VU058952.D  
 Acq: 23 May 2024 16:43

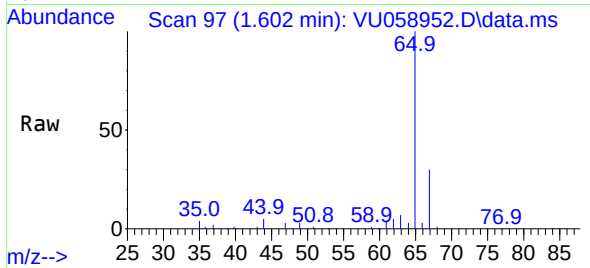
Tgt Ion: 50 Resp: 2787  
 Ion Ratio Lower Upper  
 50 100  
 52 38.3 23.9 44.3





#5  
 Vinyl chloride  
 Concen: 2.443 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU058952.D  
 Acq: 23 May 2024 16:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2024-03

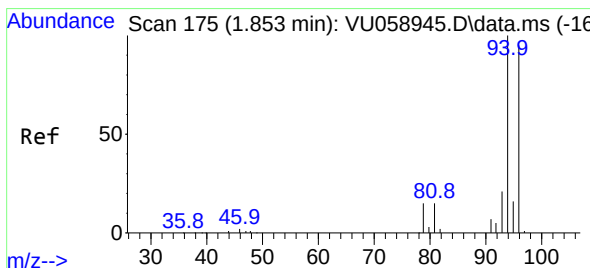
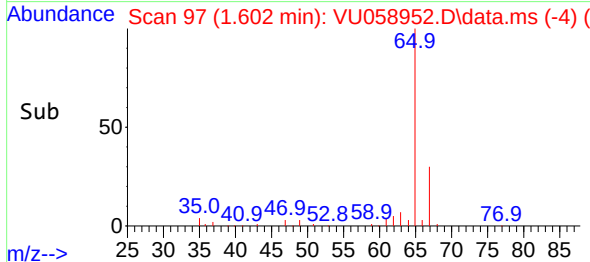
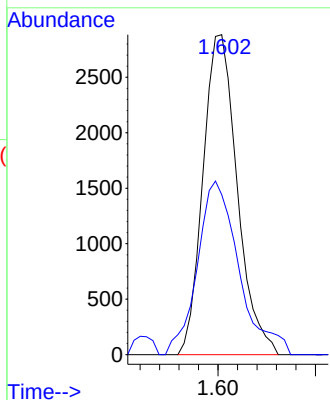


Tgt Ion: 62 Resp: 3520  
 Ion Ratio Lower Upper  
 62 100  
 64 50.0 23.7 43.9

Manual Integrations  
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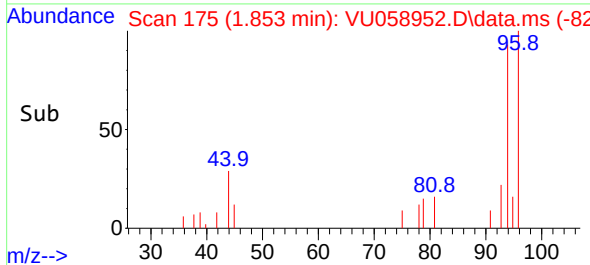
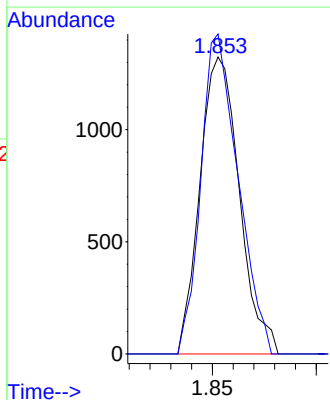
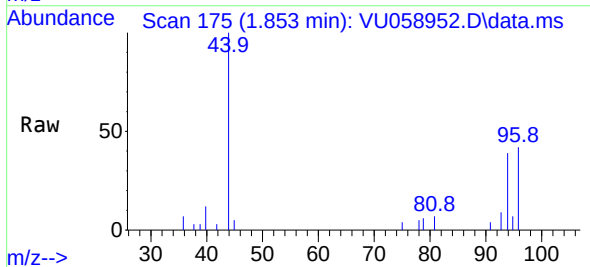
Reviewed By :Semsettin  
 Yesilyurt  
 05/27/2024

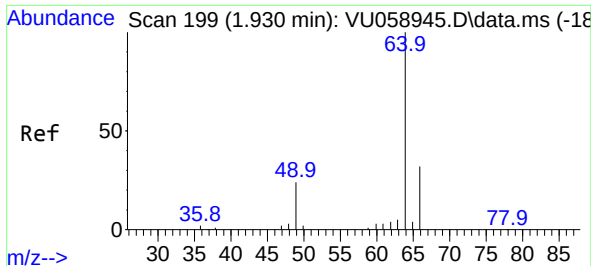
Supervised By :Mahesh  
 Dadoda  
 05/27/2024



#6  
 Bromomethane  
 Concen: 2.044 ug/L  
 RT: 1.853 min Scan# 175  
 Delta R.T. 0.000 min  
 Lab File: VU058952.D  
 Acq: 23 May 2024 16:43

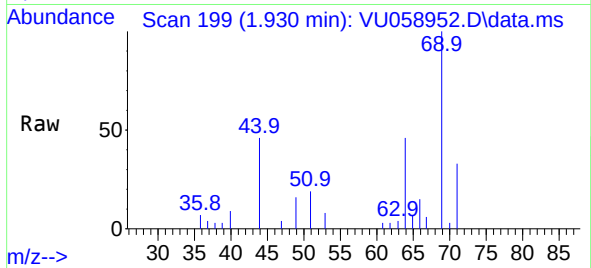
Tgt Ion: 94 Resp: 1746  
 Ion Ratio Lower Upper  
 94 100  
 96 107.8 66.6 123.6





#8  
Chloroethane  
Concen: 2.323 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

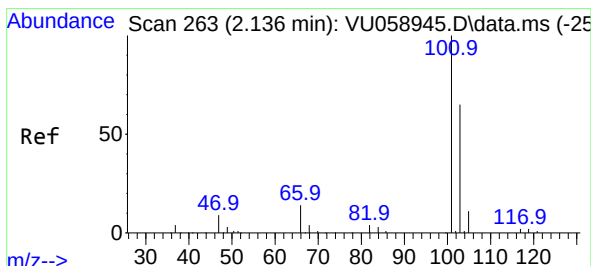
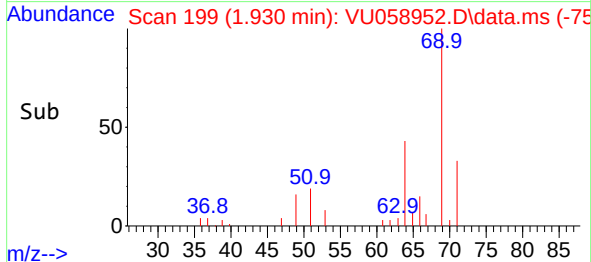
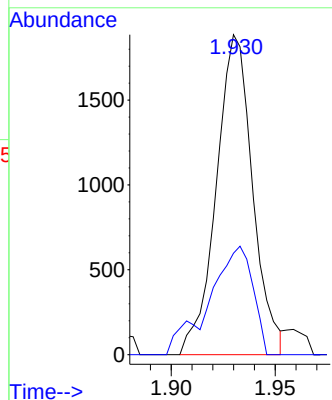


Tgt Ion: 64 Resp: 2290  
Ion Ratio Lower Upper  
64 100  
66 45.0 22.7 42.1

Manual Integrations  
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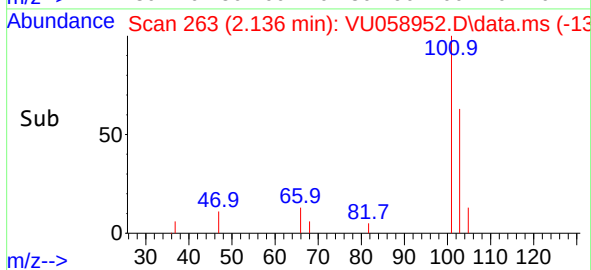
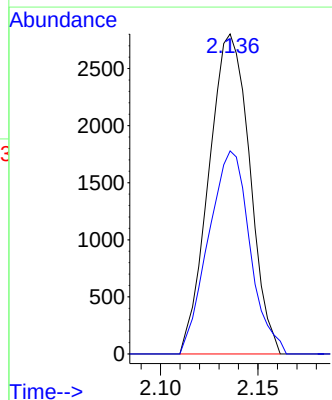
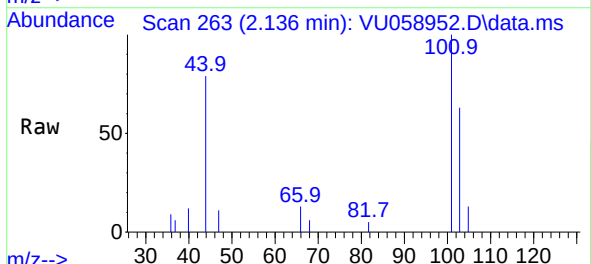
Reviewed By :Semsettin  
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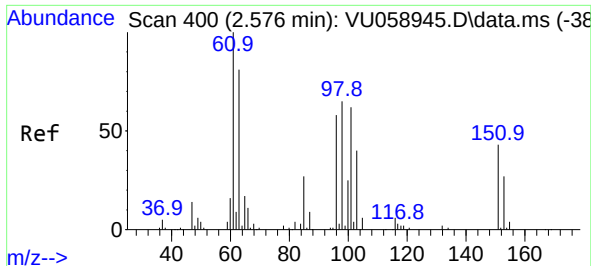
Supervised By :Mahesh  
Dadoda  
05/27/2024



#9  
Trichlorofluoromethane  
Concen: 2.084 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:101 Resp: 4085  
Ion Ratio Lower Upper  
101 100  
103 64.4 51.6 77.4





#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 2.596 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

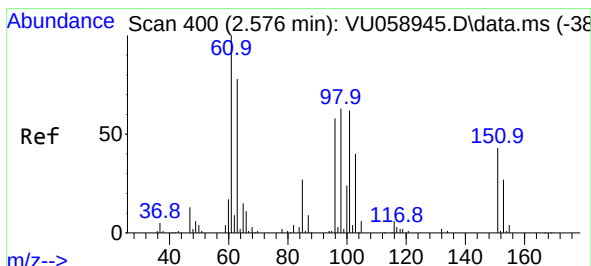
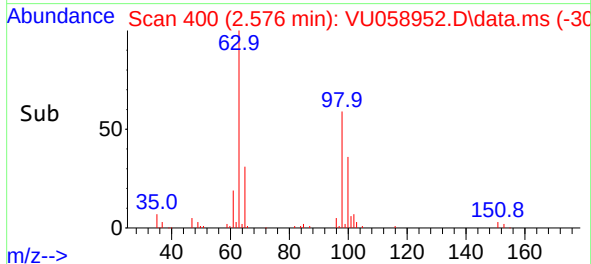
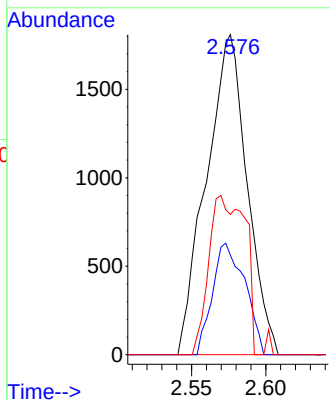
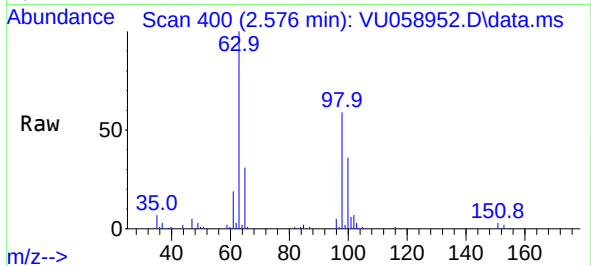
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

Tgt Ion:101 Resp: 3459  
Ion Ratio Lower Upper  
101 100  
85 27.7 34.9 52.3  
151 26.7 54.5 81.7

Manual Integrations  
APPROVED

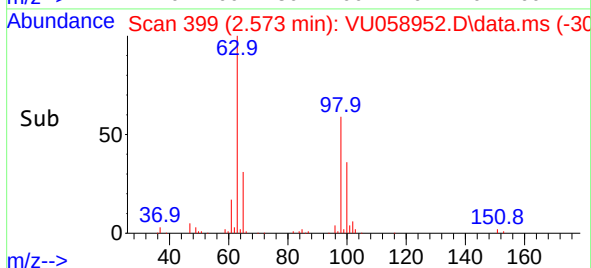
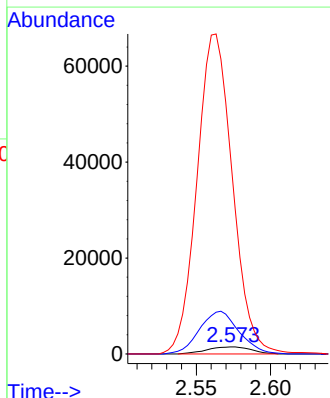
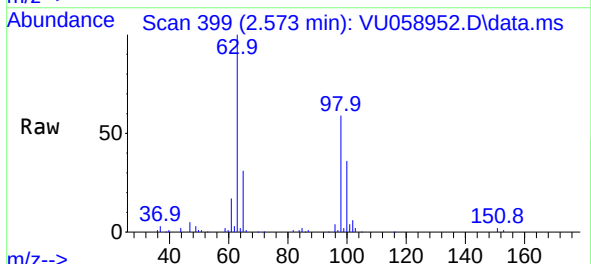
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Yesilyurt  
05/27/2024

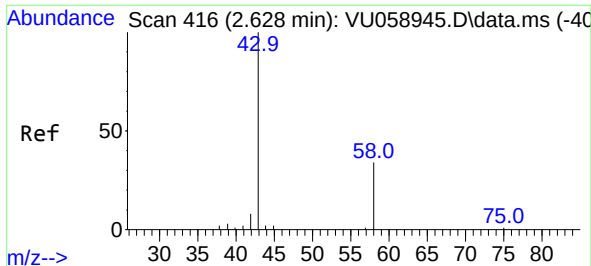
Supervised By :Mahesh  
Dadoda  
05/27/2024



#12  
1,1-Dichloroethene  
Concen: 2.895 ug/L  
RT: 2.573 min Scan# 399  
Delta R.T. -0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 96 Resp: 3087  
Ion Ratio Lower Upper  
96 100  
61 477.0 122.2 227.0#  
63 2812.2 102.8 190.8#





#13

Acetone

Concen: 3.851 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU058952.D

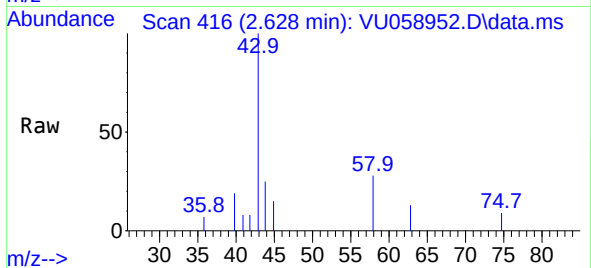
Acq: 23 May 2024 16:43

Instrument :

MSVOA\_U

ClientSampleId :

MDL-MED-SOIL-QT2-2024-03



Tgt Ion: 43 Resp: 4240

Ion Ratio Lower Upper

43 100

58 26.5 0.0 67.2

Manual Integrations

APPROVED

Reviewed By :Semsettin

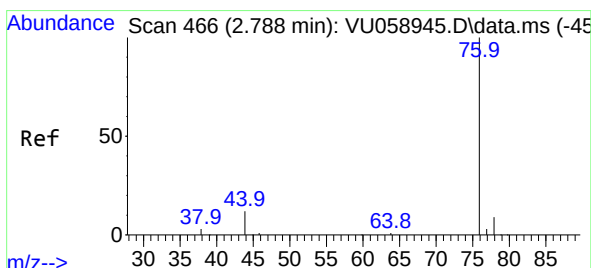
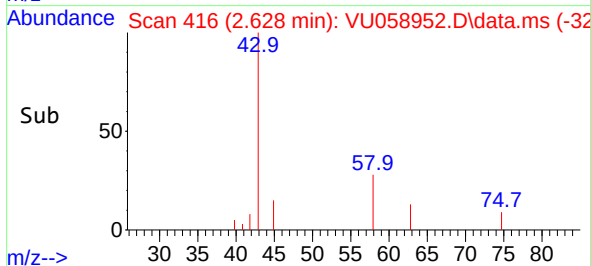
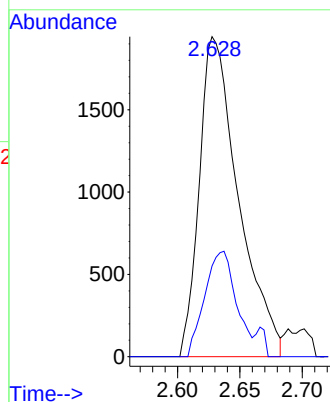
Yesilyurt

05/27/2024

Supervised By :Mahesh

Dadoda

05/27/2024



#14

Carbon disulfide

Concen: 2.377 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU058952.D

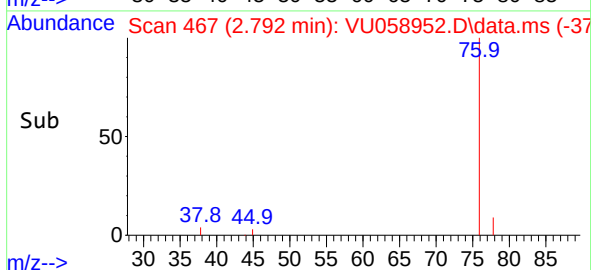
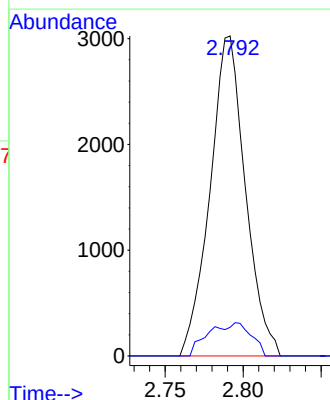
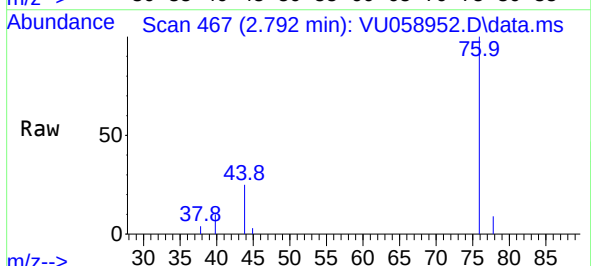
Acq: 23 May 2024 16:43

Tgt Ion: 76 Resp: 4769

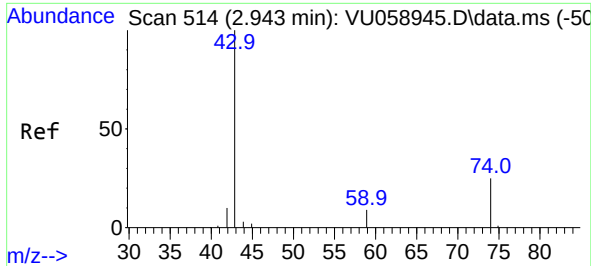
Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

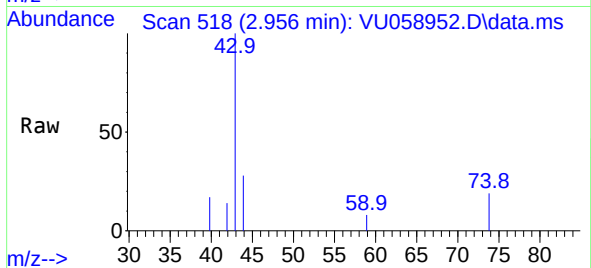






#15  
Methyl Acetate  
Concen: 2.256 ug/L  
RT: 2.956 min Scan# 514  
Delta R.T. 0.013 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

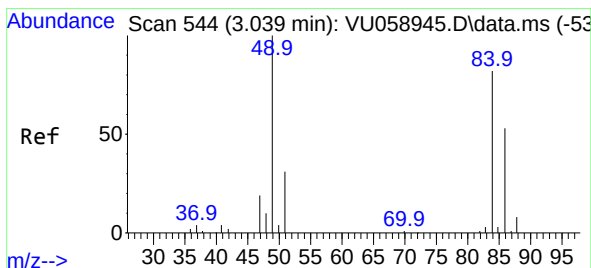
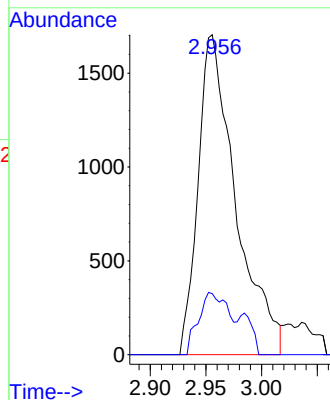
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03



Tgt Ion: 43 Resp: 4009  
Ion Ratio Lower Upper  
43 100  
74 10.6 19.8 29.8

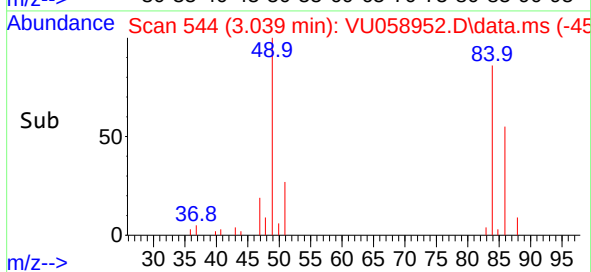
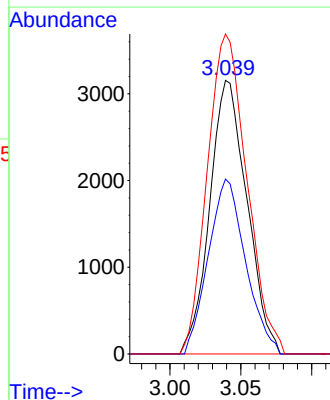
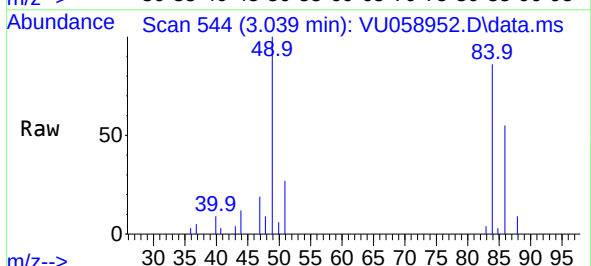
Manual Integrations  
APPROVED

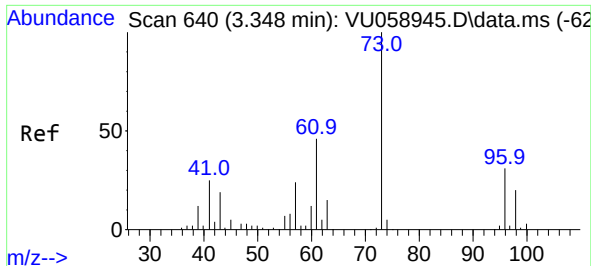
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024



#16  
Methylene chloride  
Concen: 3.394 ug/L  
RT: 3.039 min Scan# 544  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

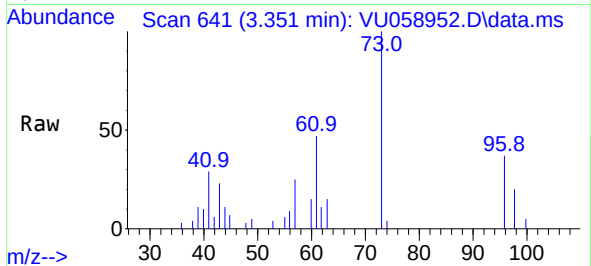
Tgt Ion: 84 Resp: 5774  
Ion Ratio Lower Upper  
84 100  
86 63.9 44.9 83.5  
49 117.0 85.4 158.6





#17  
trans-1,2-Dichloroethene  
Concen: 2.107 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

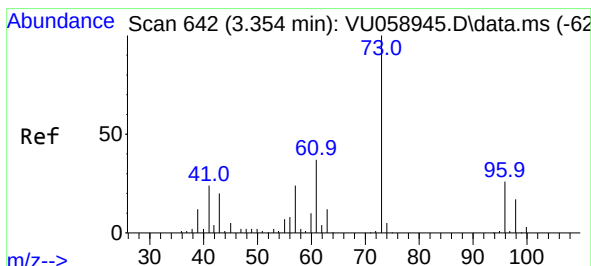
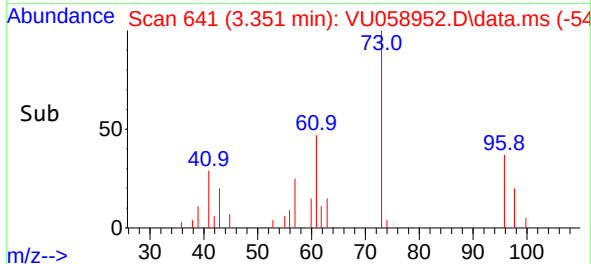
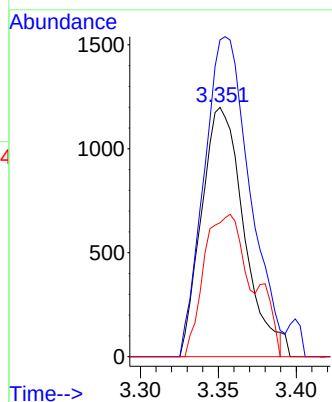


Tgt Ion: 96 Resp: 225  
Ion Ratio Lower Upper  
96 100  
61 127.1 103.5 192.1  
98 53.7 44.9 83.3

Manual Integrations  
APPROVED

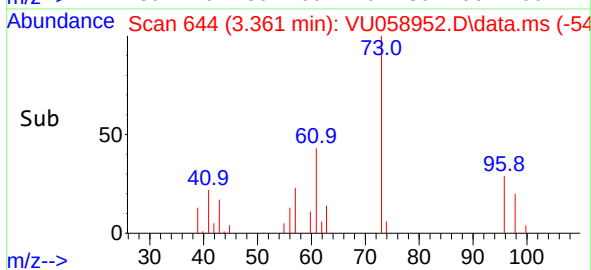
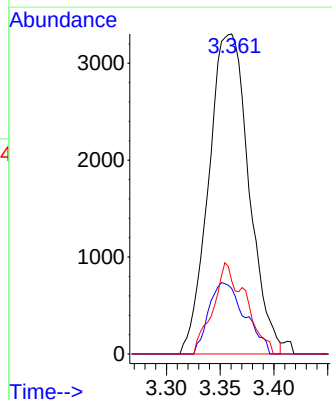
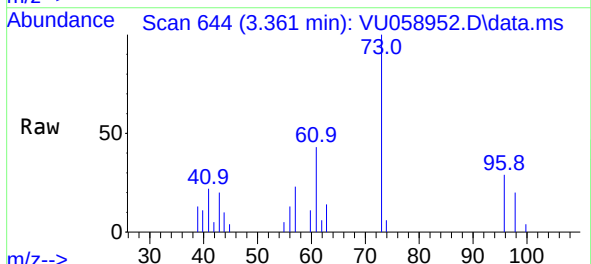
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

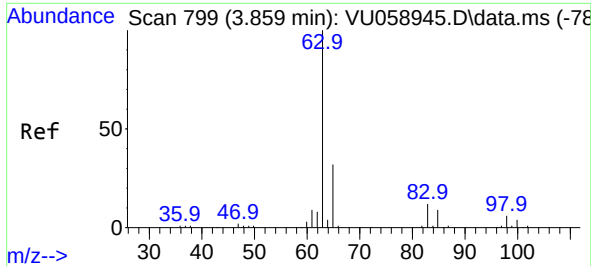
Supervised By :Mahesh  
Dadoda  
05/27/2024



#18  
Methyl tert-butyl Ether  
Concen: 2.024 ug/L  
RT: 3.361 min Scan# 644  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 73 Resp: 8581  
Ion Ratio Lower Upper  
73 100  
43 16.8 15.4 23.2  
57 16.2 18.6 27.8#





#19  
1,1-Dichloroethane  
Concen: 2.062 ug/L  
RT: 3.862 min Scan# 800  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

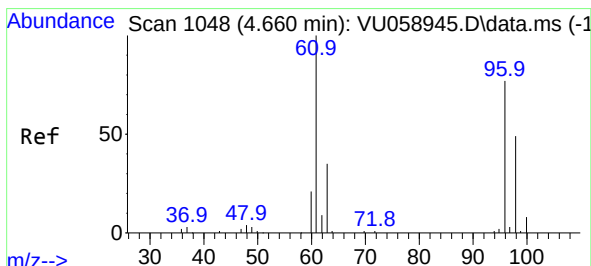
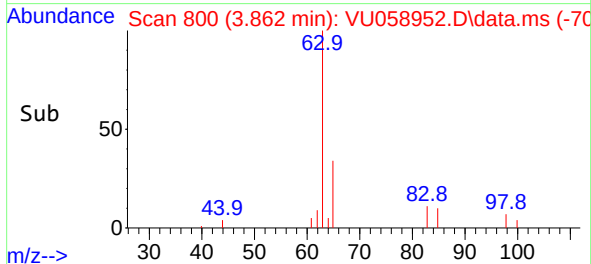
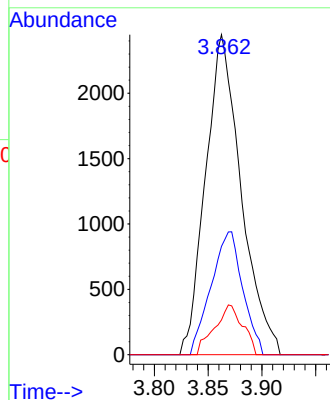
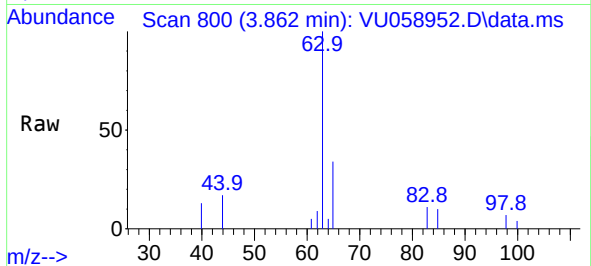
Tgt Ion: 63 Resp: 562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 33.9  | 22.3  | 41.3  |
| 83  | 10.9  | 8.5   | 15.9  |

Manual Integrations  
**APPROVED**

Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

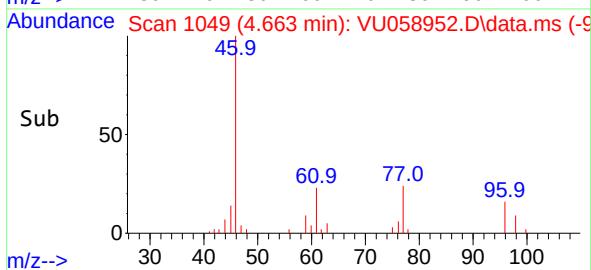
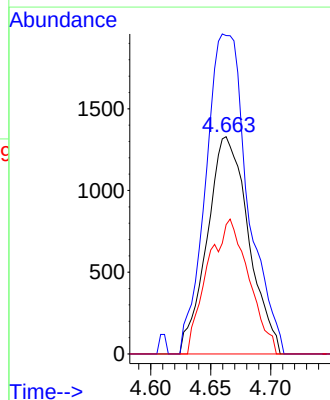
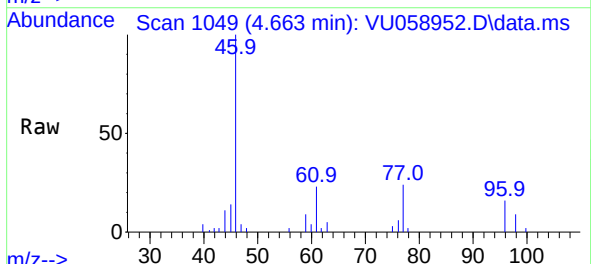
Supervised By :Mahesh  
Dadoda  
05/27/2024

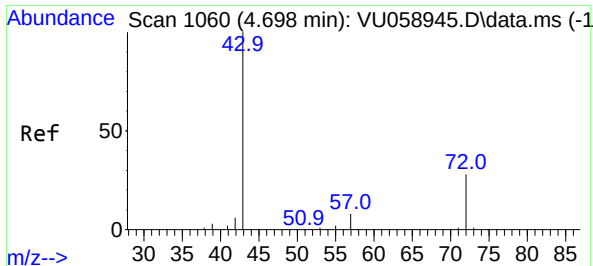


#20  
cis-1,2-Dichloroethene  
Concen: 2.255 ug/L  
RT: 4.663 min Scan# 1049  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 96 Resp: 3197

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 146.6 | 91.1  | 169.3 |
| 98  | 59.5  | 44.4  | 82.4  |





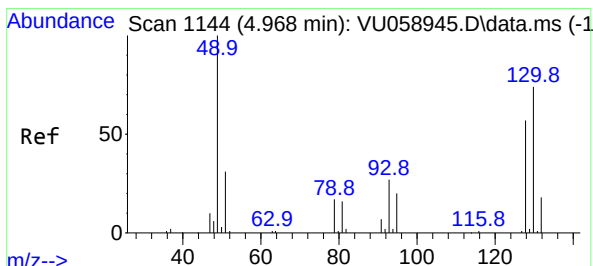
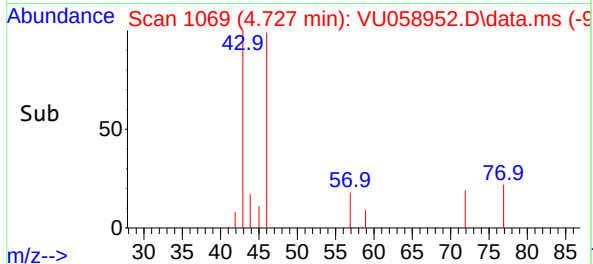
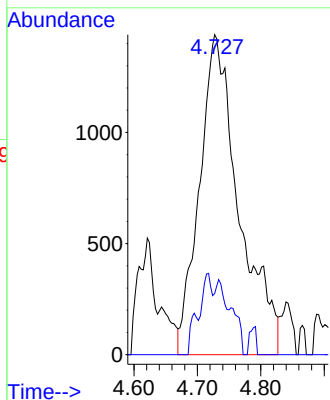
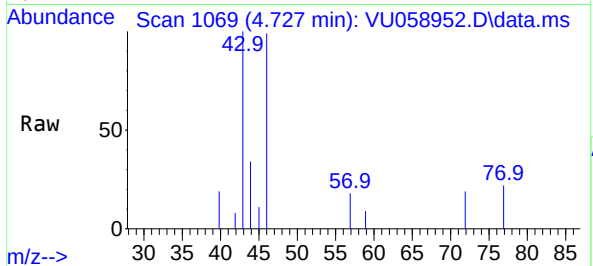
#22  
2-Butanone  
Concen: 4.338 ug/L m  
RT: 4.727 min Scan# 1069  
Delta R.T. 0.029 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 43 Resp: 6230  
Ion Ratio Lower Upper  
43 100  
72 1.4 13.9 41.7

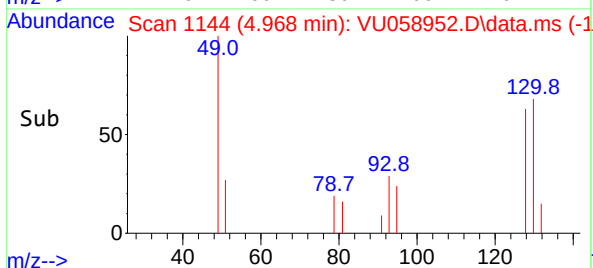
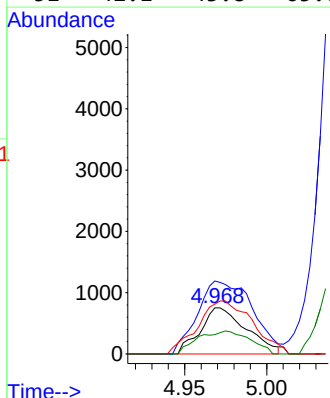
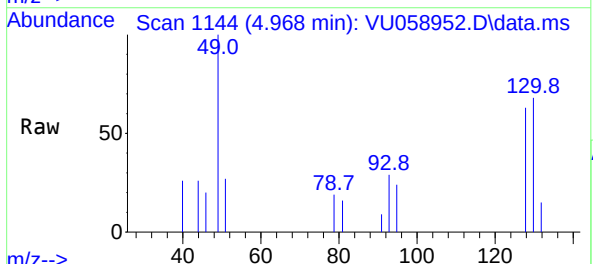
Manual Integrations  
APPROVED

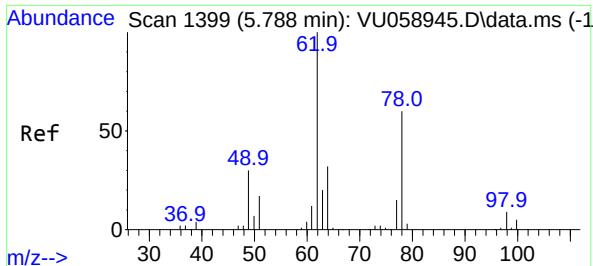
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024



#23  
Bromochloromethane  
Concen: 1.987 ug/L  
RT: 4.968 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:128 Resp: 1469  
Ion Ratio Lower Upper  
128 100  
49 158.6 123.8 229.8  
130 108.0 90.6 168.2  
51 42.1 43.8 65.6





#27  
1,2-Dichloroethane  
Concen: 2.100 ug/L m  
RT: 5.795 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

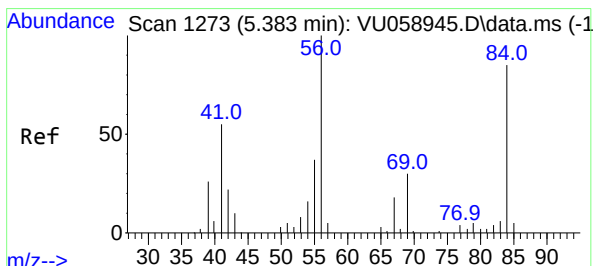
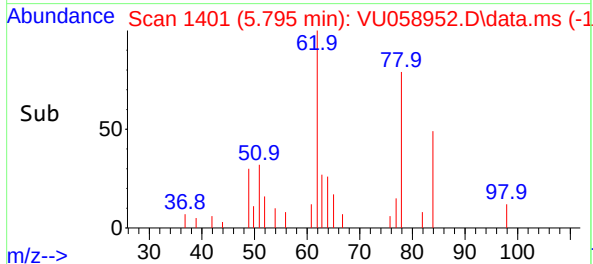
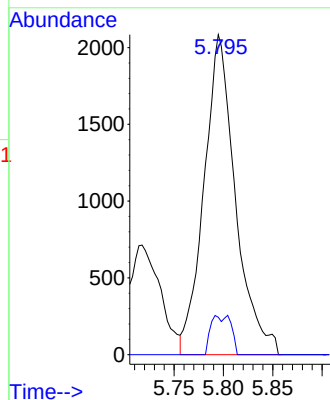
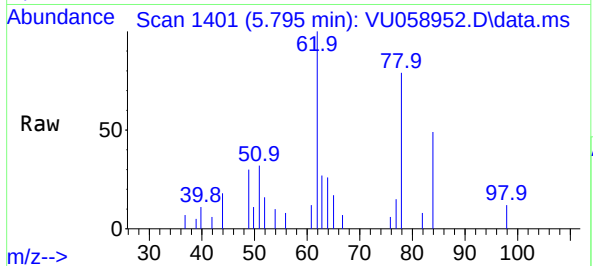
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 62 Resp: 4619  
Ion Ratio Lower Upper  
62 100  
98 11.7 7.0 10.4

Manual Integrations  
APPROVED

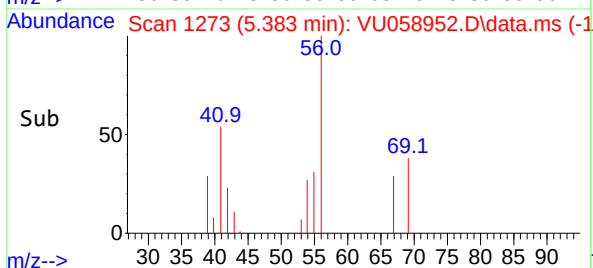
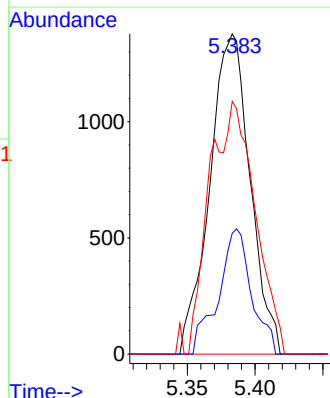
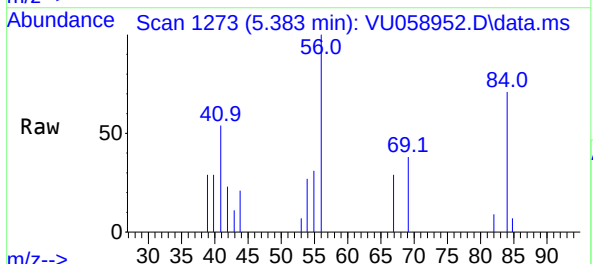
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

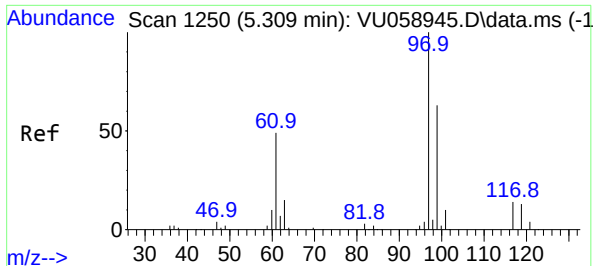
Supervised By :Mahesh  
Dadoda  
05/27/2024



#29  
Cyclohexane  
Concen: 1.877 ug/L  
RT: 5.383 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 56 Resp: 2855  
Ion Ratio Lower Upper  
56 100  
69 28.1 24.3 36.5  
84 55.7 66.7 100.1





#30  
1,1,1-Trichloroethane  
Concen: 2.031 ug/L  
RT: 5.312 min Scan# 111  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

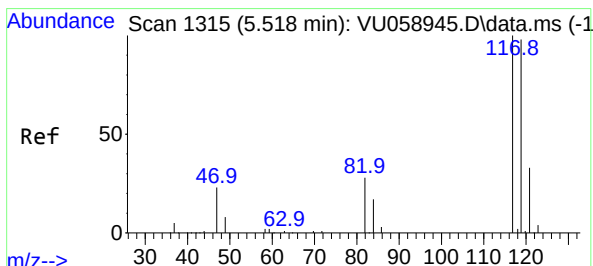
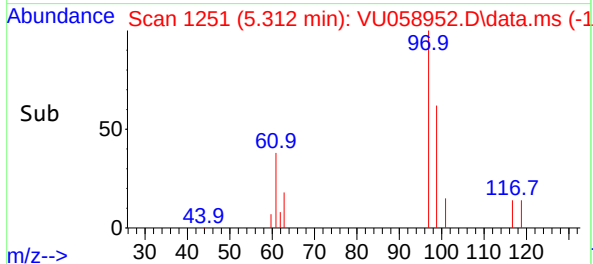
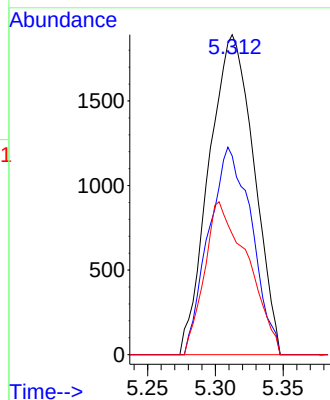
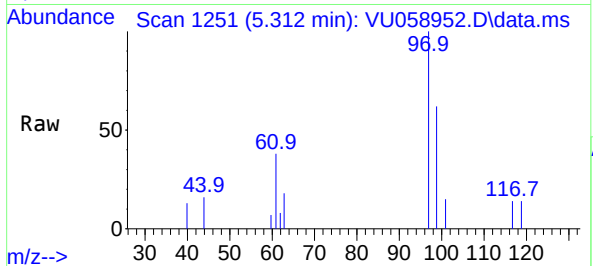
Tgt Ion: 97 Resp: 435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.1  | 51.8  | 77.8  |
| 61  | 46.1  | 38.9  | 58.3  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

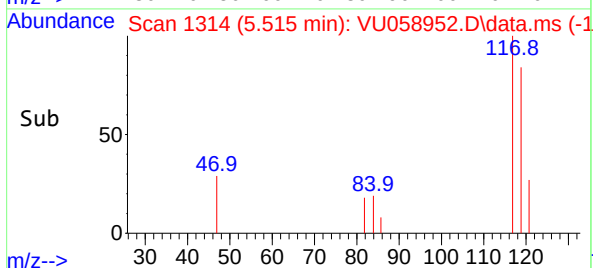
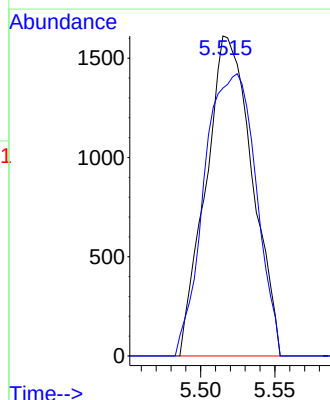
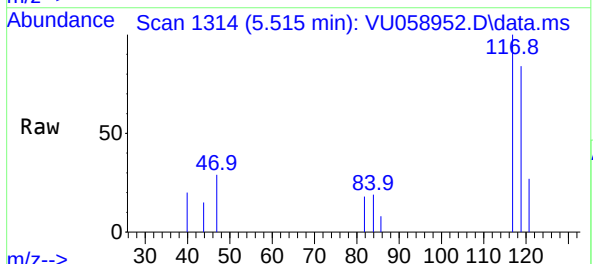
Supervised By :Mahesh  
Dadoda  
05/27/2024

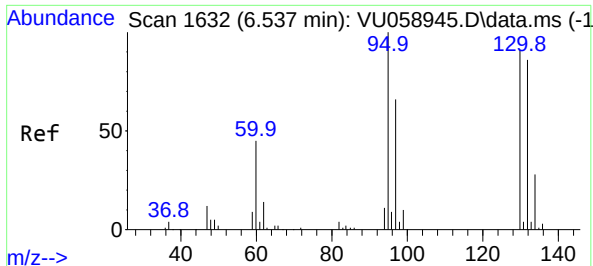


#31  
Carbon tetrachloride  
Concen: 2.021 ug/L  
RT: 5.515 min Scan# 1314  
Delta R.T. -0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:117 Resp: 3501

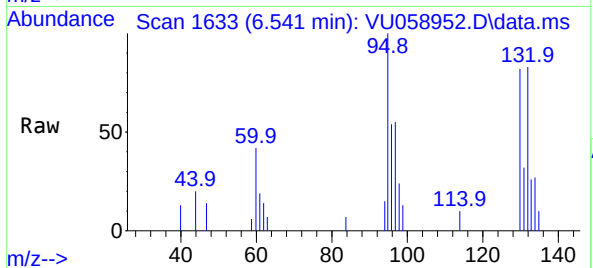
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 98.0  | 77.4  | 116.0 |





#34  
Trichloroethene  
Concen: 2.240 ug/L  
RT: 6.541 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

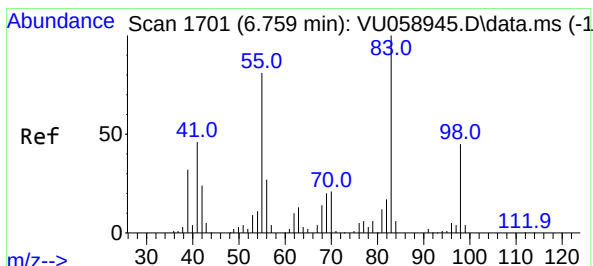
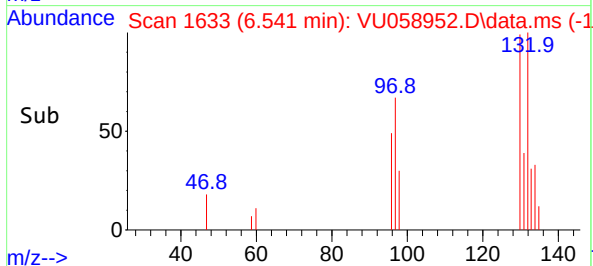
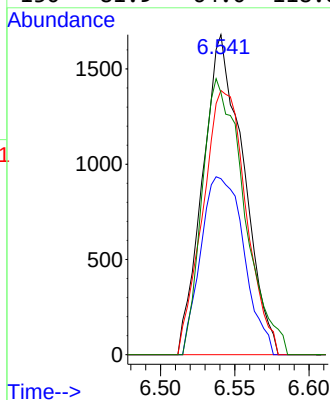


Tgt Ion: 95 Resp: 319  
Ion Ratio Lower Upper  
95 100  
97 55.0 45.9 85.3  
132 82.6 60.5 112.5  
130 81.9 64.0 118.8

Manual Integrations  
APPROVED

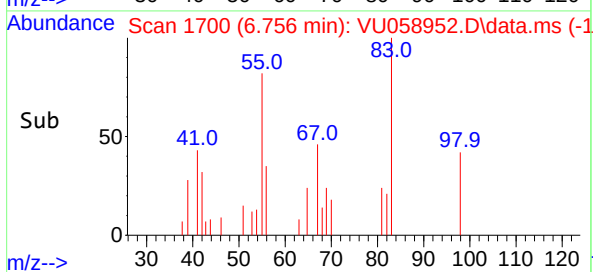
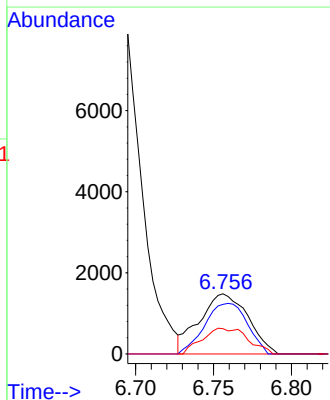
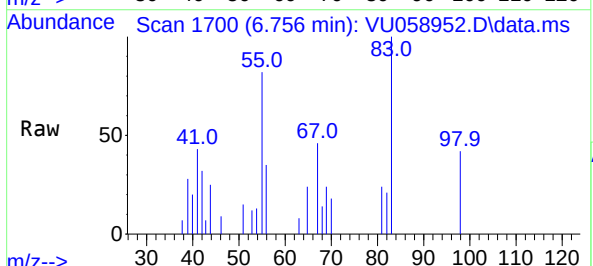
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

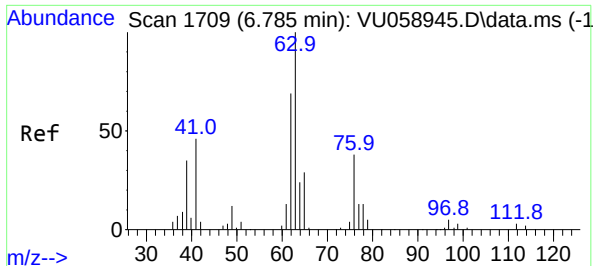
Supervised By :Mahesh  
Dadoda  
05/27/2024



#35  
Methylcyclohexane  
Concen: 1.921 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 83 Resp: 3210  
Ion Ratio Lower Upper  
83 100  
55 73.9 61.5 92.3  
98 23.6 36.2 54.2#





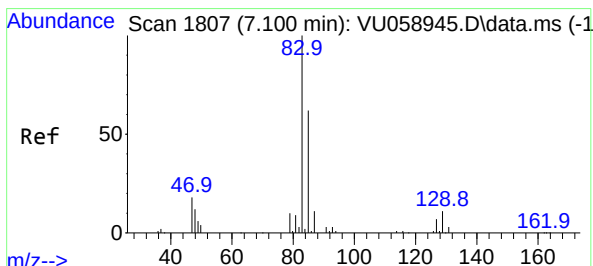
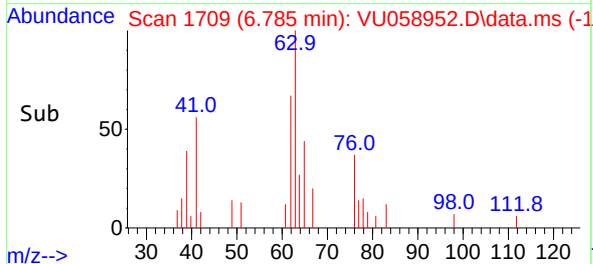
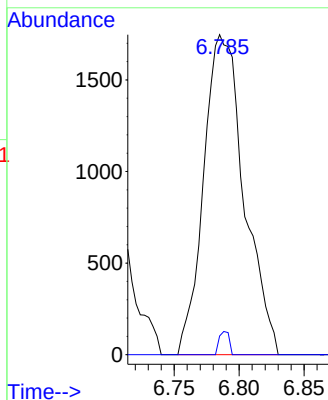
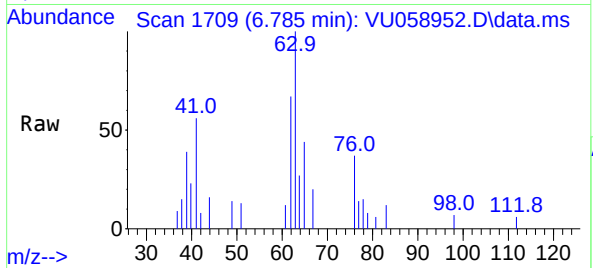
#37  
1,2-Dichloropropane  
Concen: 2.167 ug/L  
RT: 6.785 min Scan# 1709  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 63 Resp: 3784  
Ion Ratio Lower Upper  
63 100  
112 1.8 2.5 3.7

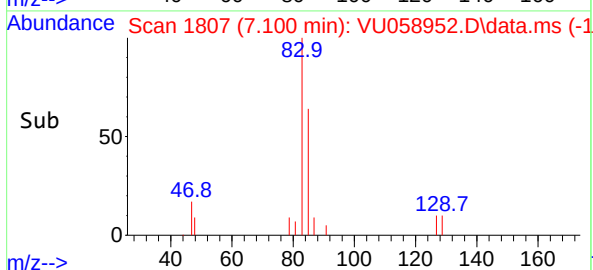
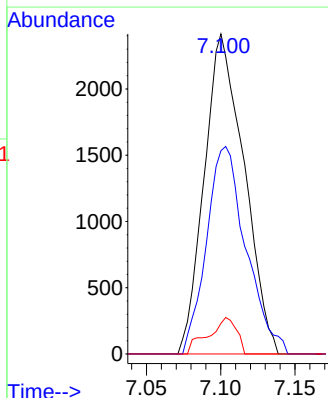
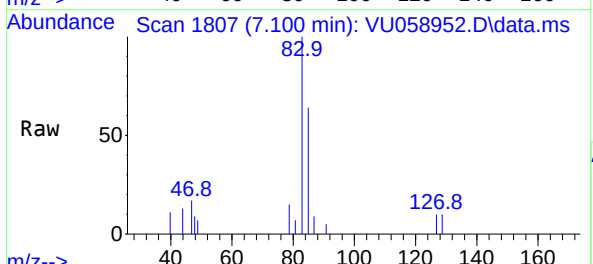
Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024

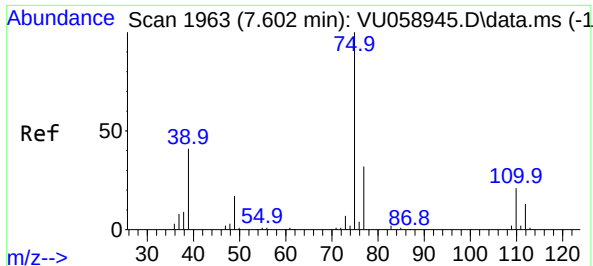


#38  
Bromodichloromethane  
Concen: 2.076 ug/L  
RT: 7.100 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 83 Resp: 4506  
Ion Ratio Lower Upper  
83 100  
85 63.5 43.5 80.9  
127 9.6 5.8 8.6







#39  
cis-1,3-Dichloropropene  
Concen: 2.102 ug/L  
RT: 7.608 min Scan# 1963  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

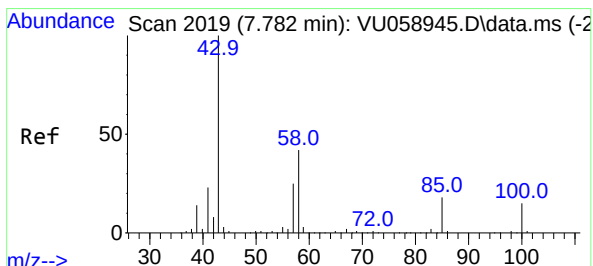
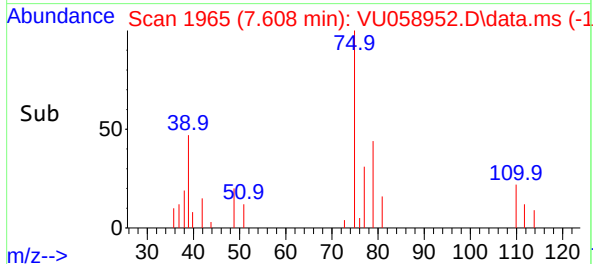
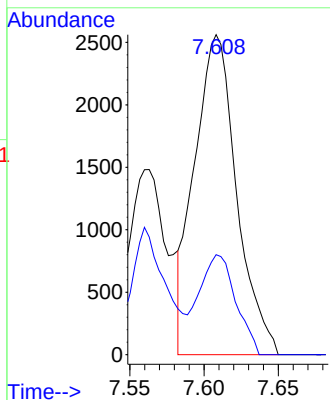
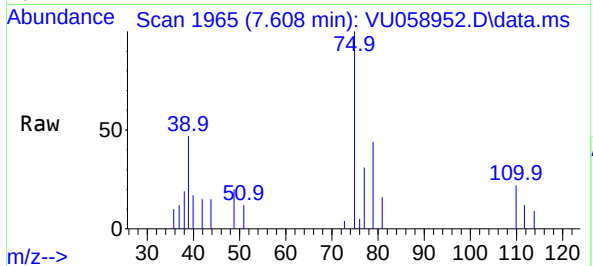
Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 75 Resp: 5058  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.5 41.7

Manual Integrations  
APPROVED

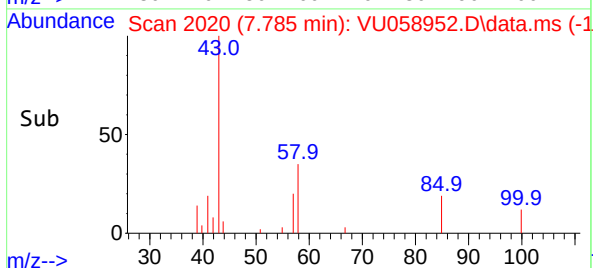
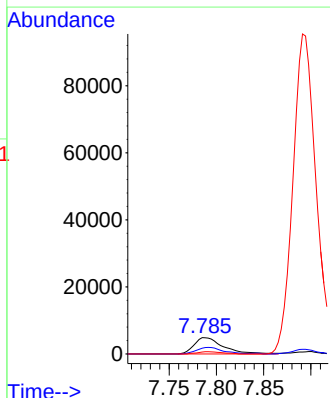
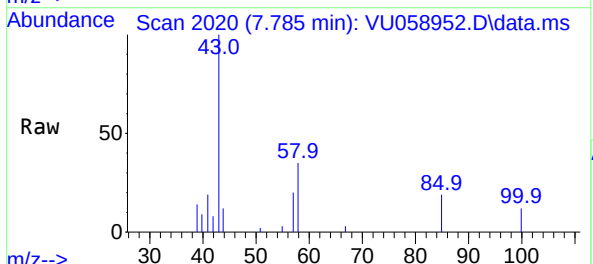
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

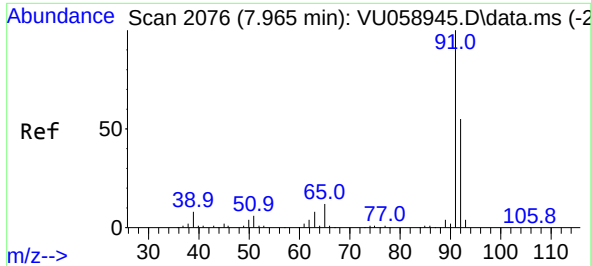
Supervised By :Mahesh  
Dadoda  
05/27/2024



#40  
4-Methyl-2-pentanone  
Concen: 4.204 ug/L  
RT: 7.785 min Scan# 2020  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 43 Resp: 10464  
Ion Ratio Lower Upper  
43 100  
58 36.1 33.5 50.3  
100 11.5 11.8 17.8#





#42  
Toluene  
Concen: 2.058 ug/L  
RT: 7.965 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

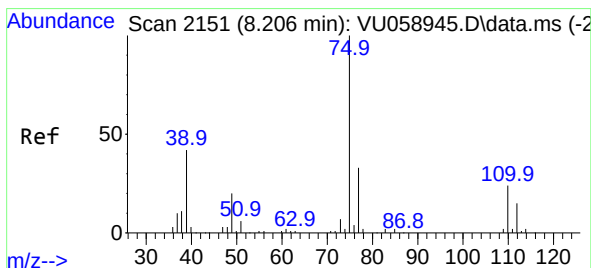
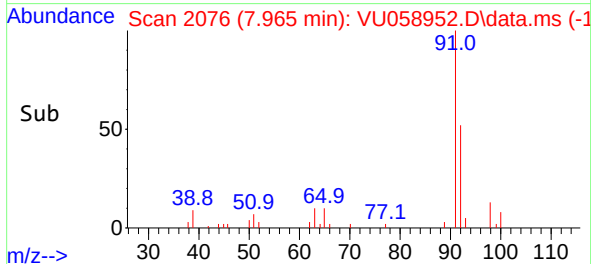
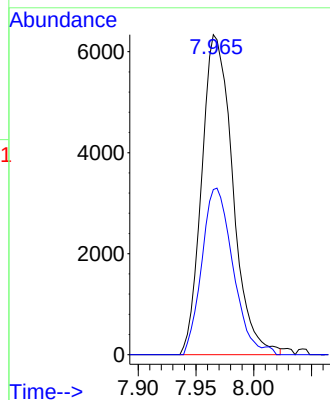
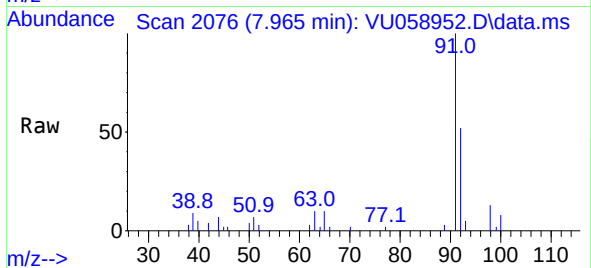
Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 91 Resp: 11850  
Ion Ratio Lower Upper  
91 100  
92 51.6 38.7 71.9

Manual Integrations  
**APPROVED**

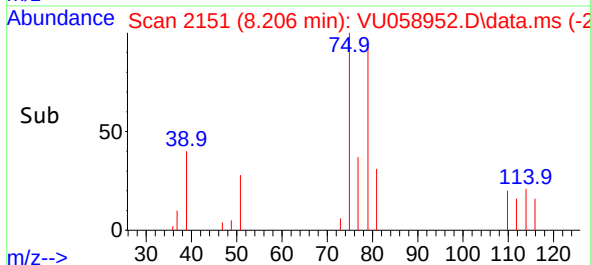
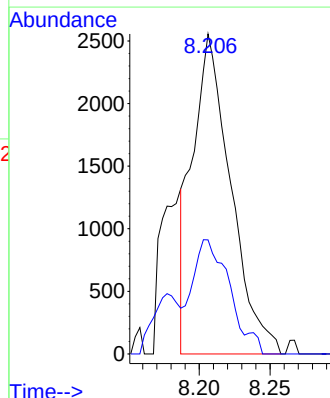
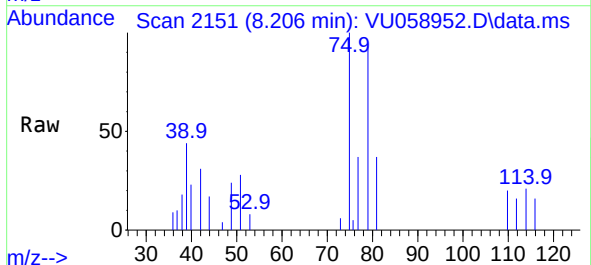
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

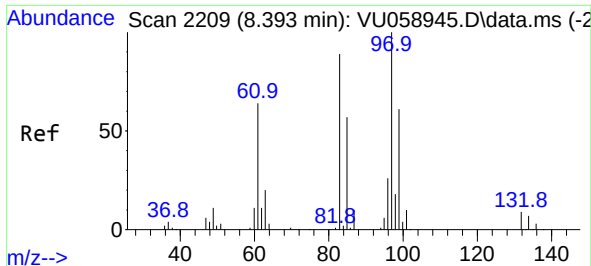
Supervised By :Mahesh  
Dadoda  
05/27/2024



#44  
trans-1,3-Dichloropropene  
Concen: 2.108 ug/L m  
RT: 8.206 min Scan# 2151  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 75 Resp: 4799  
Ion Ratio Lower Upper  
75 100  
77 37.3 23.0 42.8





#45  
1,1,2-Trichloroethane  
Concen: 1.970 ug/L  
RT: 8.399 min Scan# 2111  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

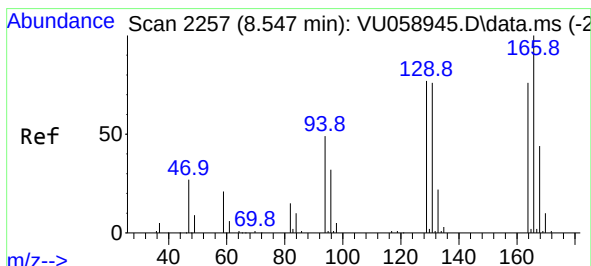
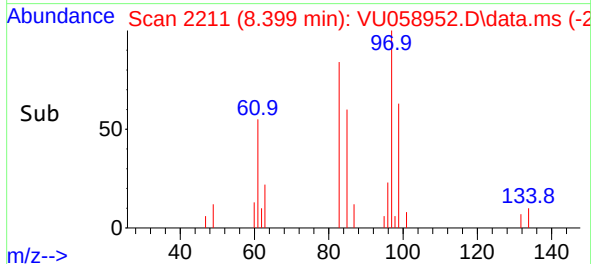
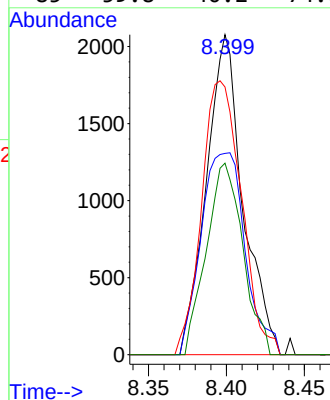
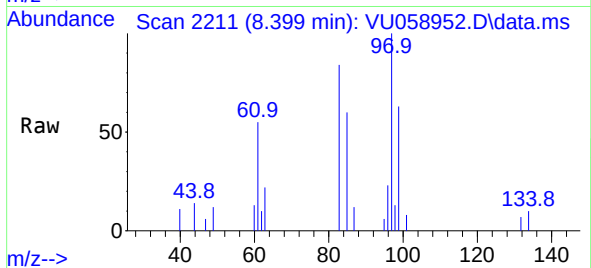
Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

Tgt Ion: 97 Resp: 3390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.9  | 42.6  | 79.2  |
| 83  | 83.7  | 62.2  | 115.6 |
| 85  | 59.8  | 40.2  | 74.6  |

Manual Integrations  
APPROVED

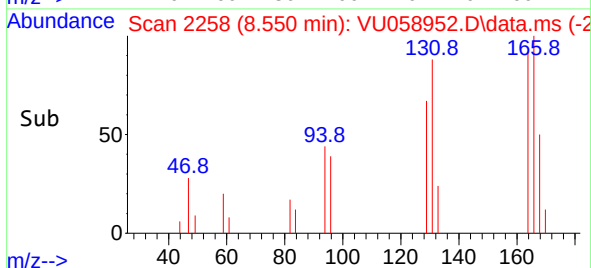
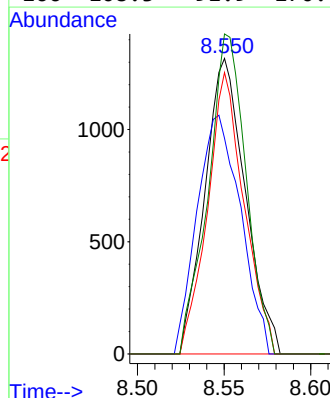
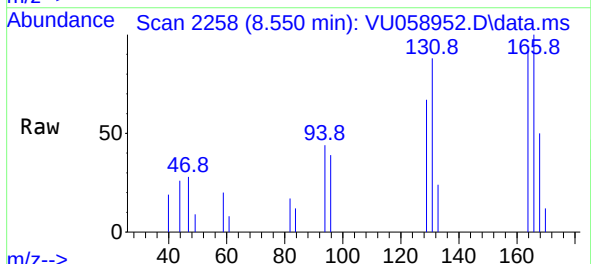
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024

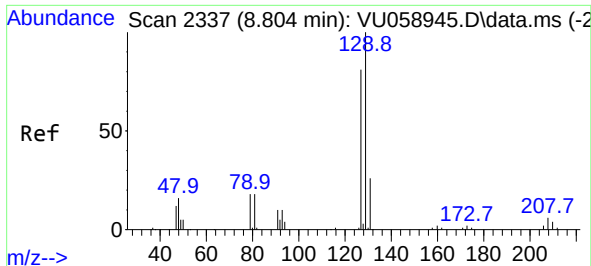


#46  
Tetrachloroethene  
Concen: 2.252 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:164 Resp: 2141

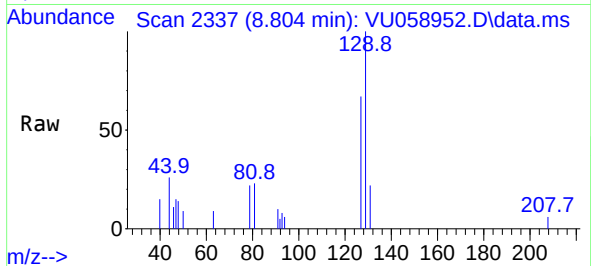
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 73.0  | 70.6  | 131.0 |
| 131 | 95.2  | 69.2  | 128.6 |
| 166 | 108.3 | 91.9  | 170.7 |





#49  
Dibromochloromethane  
Concen: 2.161 ug/L  
RT: 8.804 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

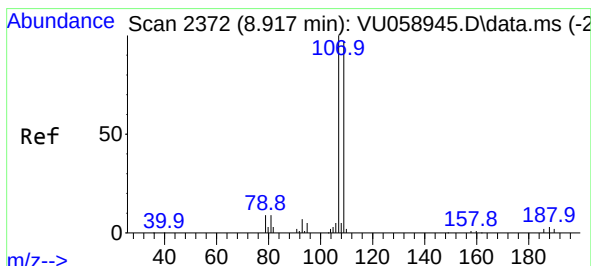
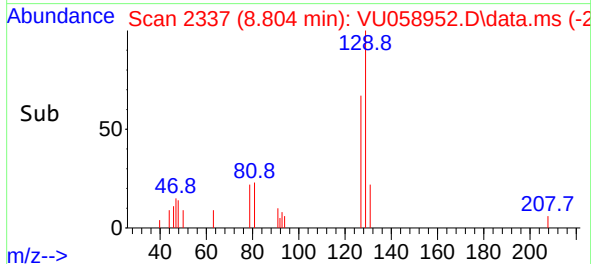
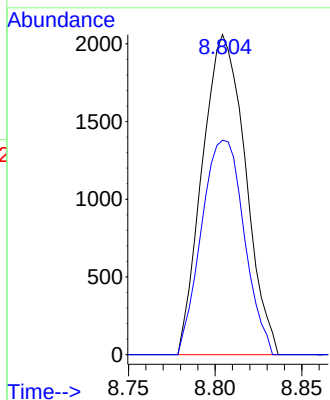
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03



Tgt Ion:129 Resp: 3560  
Ion Ratio Lower Upper  
129 100  
127 67.0 56.8 105.4

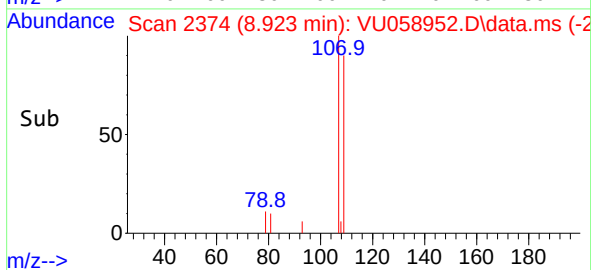
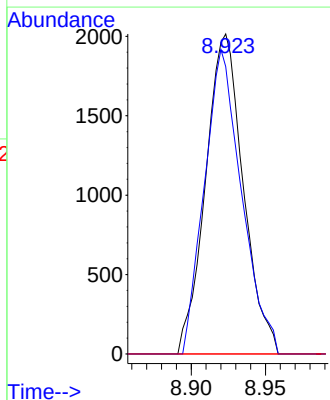
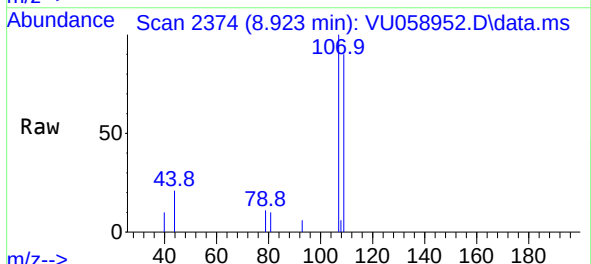
Manual Integrations  
APPROVED

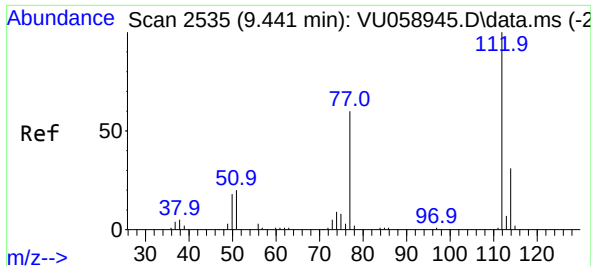
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024



#50  
1,2-Dibromoethane  
Concen: 2.154 ug/L  
RT: 8.923 min Scan# 2374  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:107 Resp: 3549  
Ion Ratio Lower Upper  
107 100  
109 89.8 68.0 126.2  
188 0.0 2.6 3.8#





#51  
Chlorobenzene  
Concen: 2.217 ug/L  
RT: 9.441 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

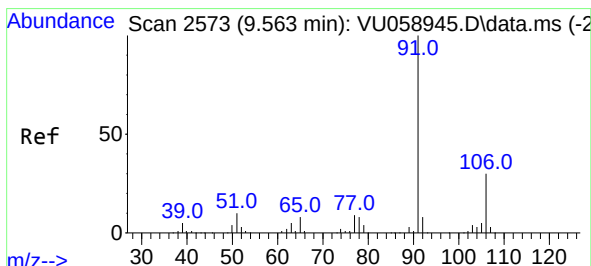
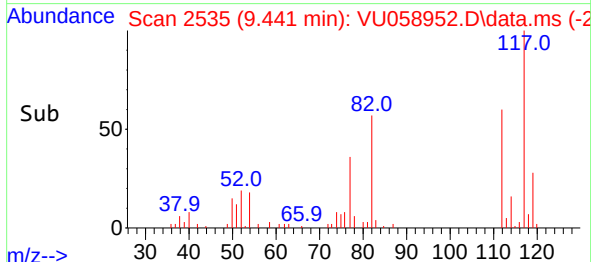
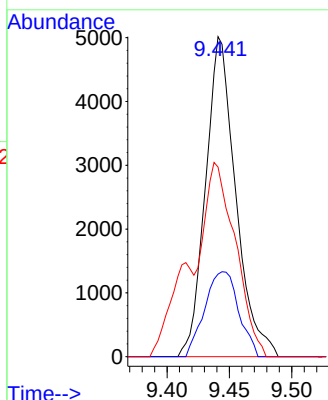
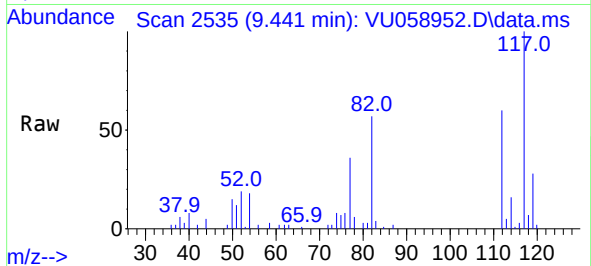
Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

|             |             |
|-------------|-------------|
| Tgt Ion:112 | Resp: 8438  |
| Ion Ratio   | Lower Upper |
| 112 100     |             |
| 114 25.8    | 21.8 40.6   |
| 77 59.3     | 48.8 73.2   |

Manual Integrations  
APPROVED

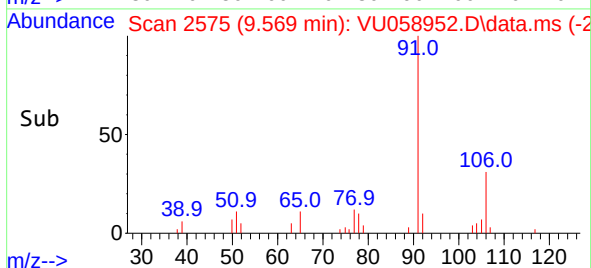
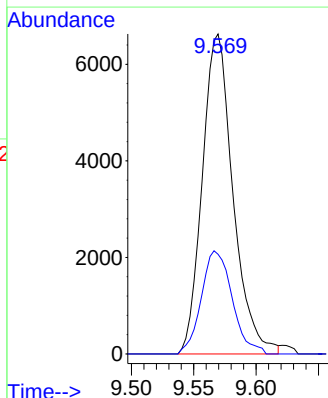
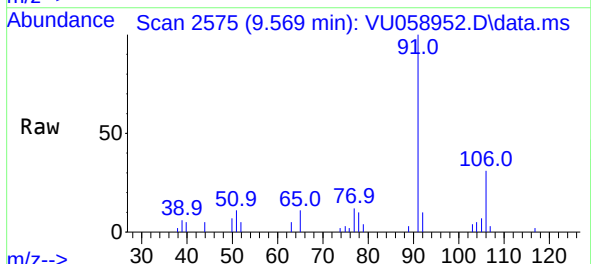
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

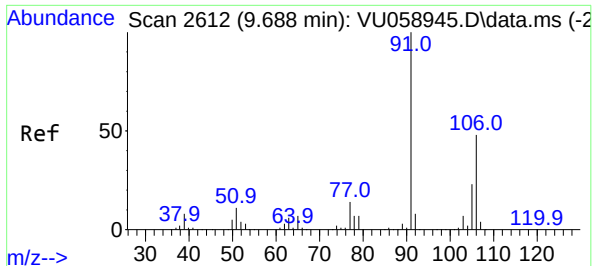
Supervised By :Mahesh  
Dadoda  
05/27/2024



#52  
Ethylbenzene  
Concen: 1.826 ug/L  
RT: 9.569 min Scan# 2575  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

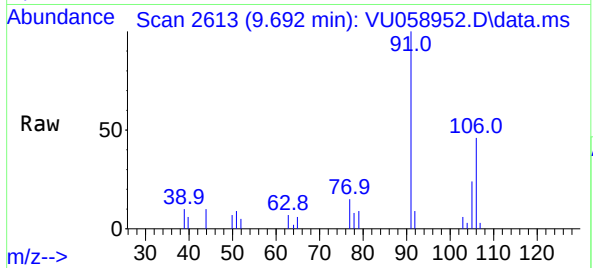
|             |             |
|-------------|-------------|
| Tgt Ion: 91 | Resp: 11379 |
| Ion Ratio   | Lower Upper |
| 91 100      |             |
| 106 34.5    | 20.8 38.6   |





#53  
m,p-Xylene  
Concen: 1.595 ug/L  
RT: 9.692 min Scan# 2612  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

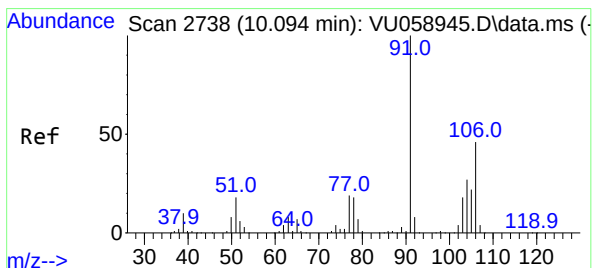
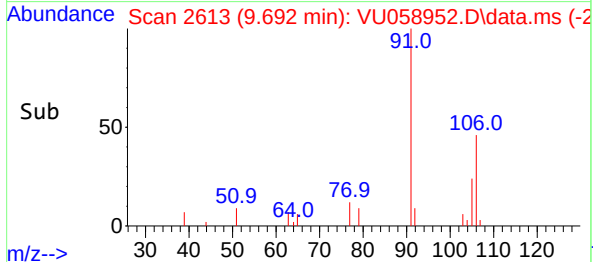
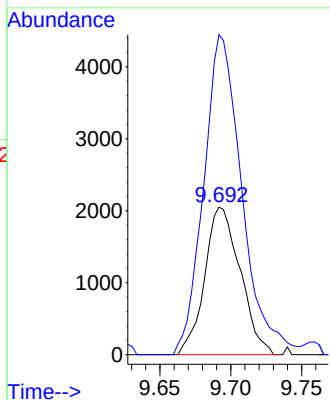


Tgt Ion:106 Resp: 3572  
Ion Ratio Lower Upper  
106 100  
91 205.2 145.7 270.7

Manual Integrations  
APPROVED

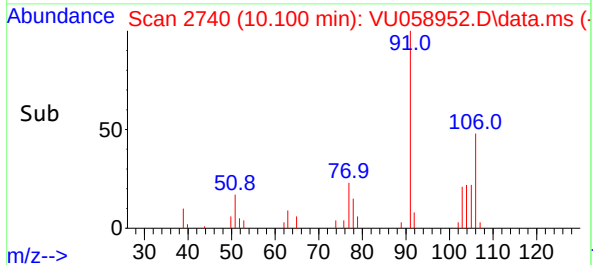
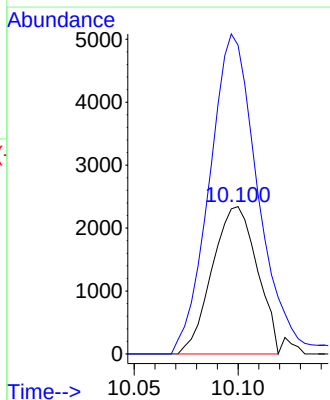
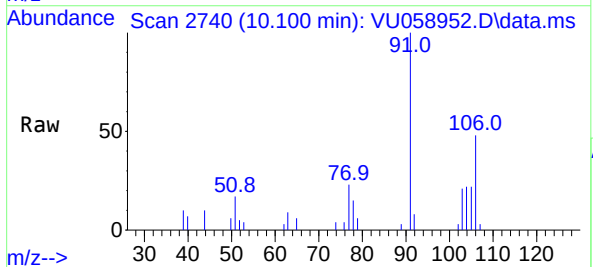
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

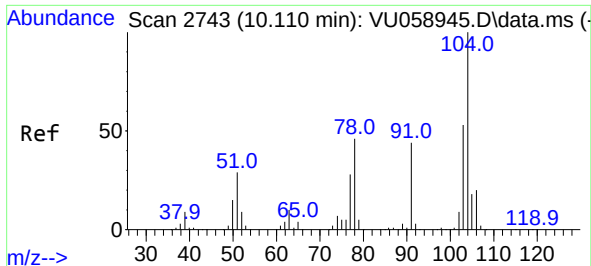
Supervised By :Mahesh  
Dadoda  
05/27/2024



#54  
o-Xylene  
Concen: 1.570 ug/L  
RT: 10.100 min Scan# 2740  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:106 Resp: 3519  
Ion Ratio Lower Upper  
106 100  
91 209.6 154.0 286.0





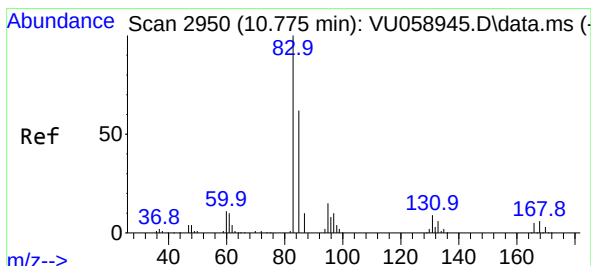
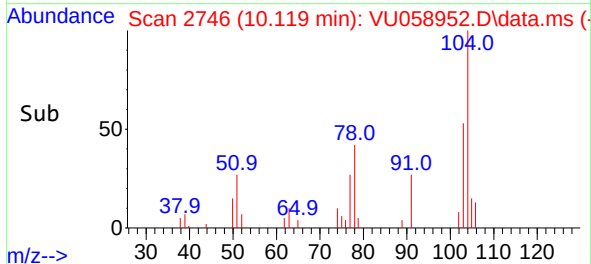
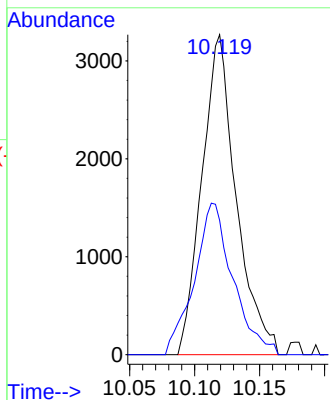
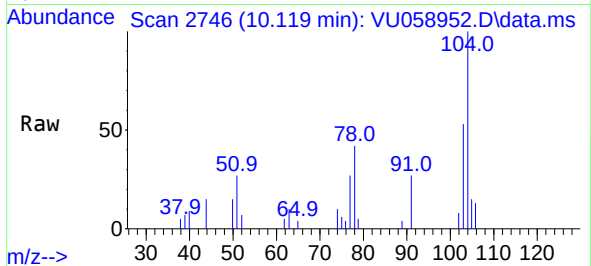
#55  
Styrene  
Concen: 1.497 ug/L  
RT: 10.119 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

Tgt Ion:104 Resp: 5992  
Ion Ratio Lower Upper  
104 100  
78 47.3 32.3 59.9

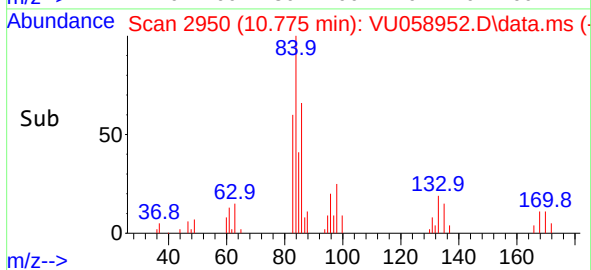
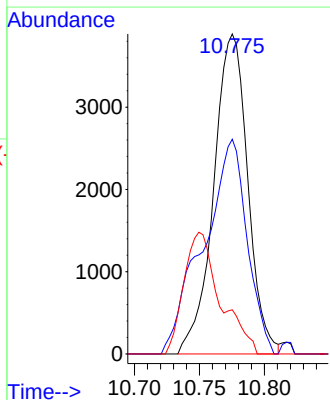
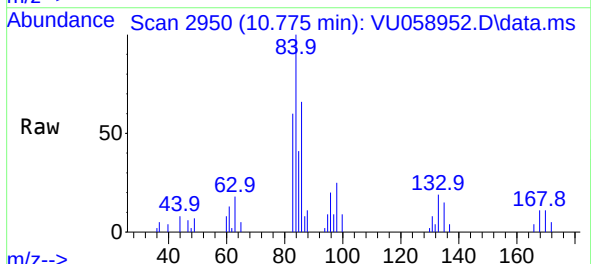
Manual Integrations  
APPROVED

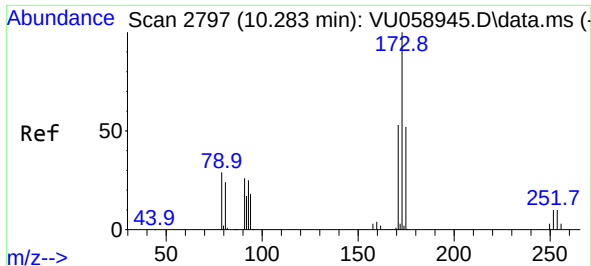
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024



#57  
1,1,2,2-Tetrachloroethane  
Concen: 2.283 ug/L  
RT: 10.775 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

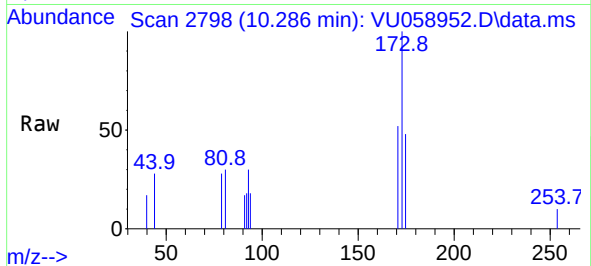
Tgt Ion: 83 Resp: 7092  
Ion Ratio Lower Upper  
83 100  
85 67.1 43.5 80.9  
131 13.8 7.1 10.7#





#59  
Bromoform  
Concen: 2.234 ug/L  
RT: 10.286 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

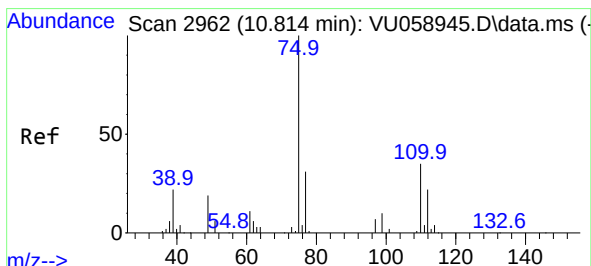
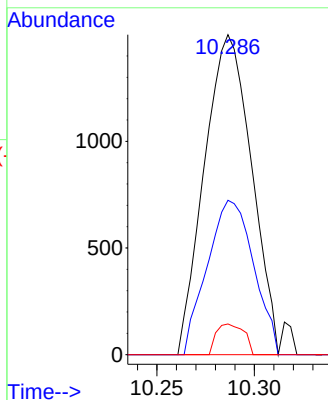


Tgt Ion:173 Resp: 252  
Ion Ratio Lower Upper  
173 100  
175 47.6 40.6 61.0  
254 5.6 7.3 10.9

Manual Integrations  
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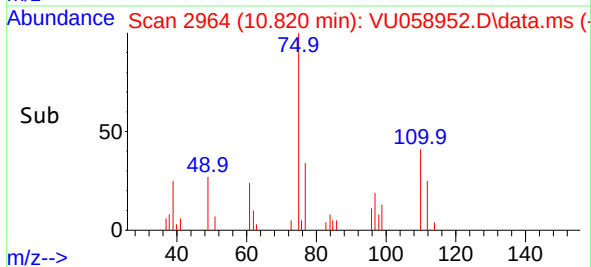
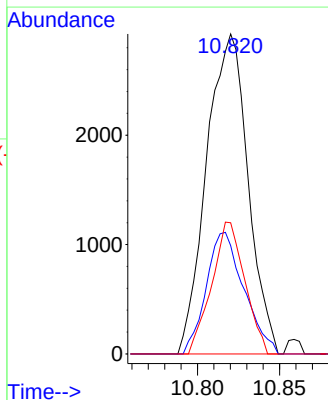
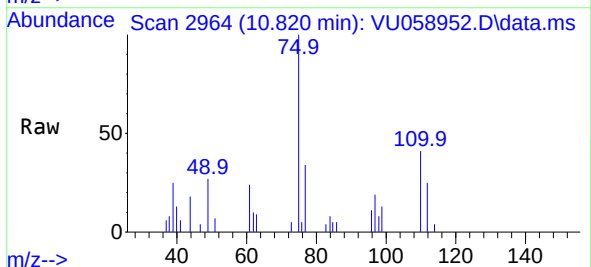
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

Supervised By :Mahesh  
Dadoda  
05/27/2024

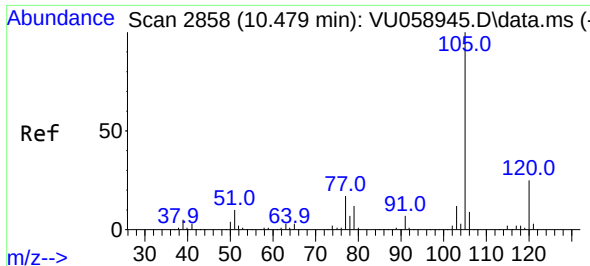


#60  
1,2,3-Trichloropropane  
Concen: 2.367 ug/L  
RT: 10.820 min Scan# 2964  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion: 75 Resp: 5132  
Ion Ratio Lower Upper  
75 100  
77 34.6 25.8 38.6  
110 32.8 28.3 42.5







#61  
Isopropylbenzene  
Concen: 1.828 ug/L  
RT: 10.479 min Scan# 2858  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

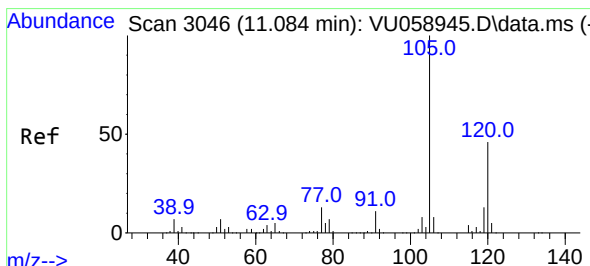
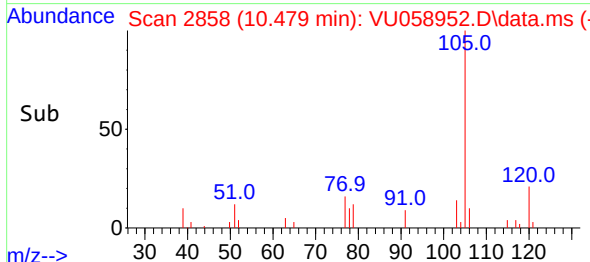
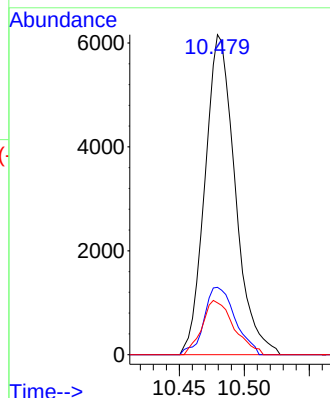
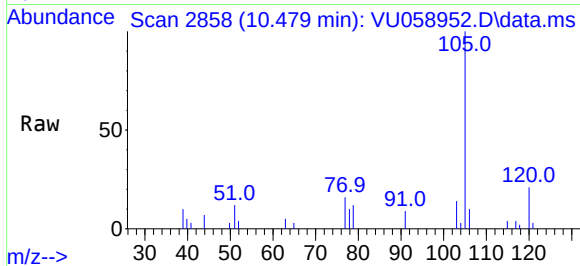
Instrument : MSVOA\_U  
ClientSampleId : MDL-MED-SOIL-QT2-2024-03

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 9940      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 21.6  | 20.0 30.0 |
| 77          | 17.8  | 13.4 20.0 |

Manual Integrations  
APPROVED

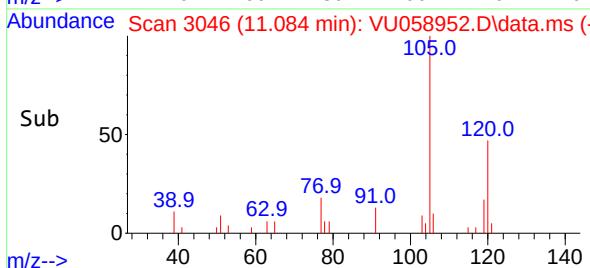
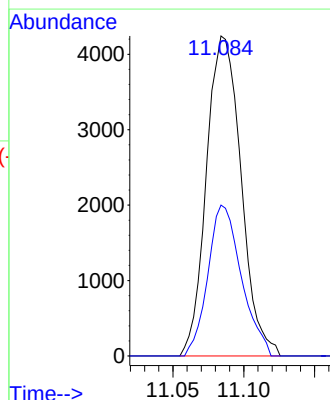
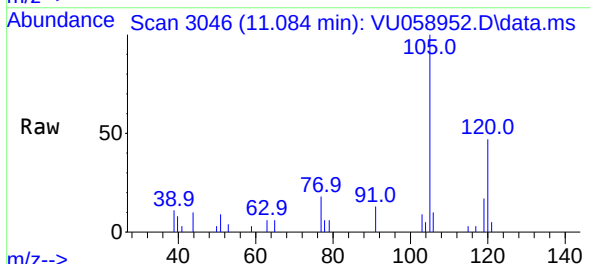
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

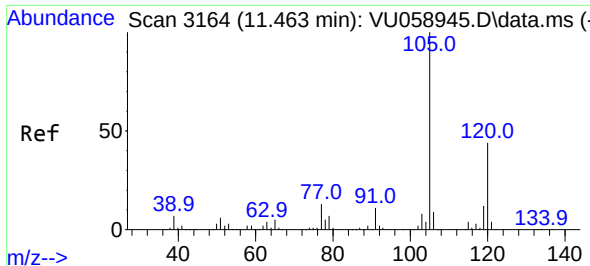
Supervised By :Mahesh  
Dadoda  
05/27/2024



#62  
1,3,5-Trimethylbenzene  
Concen: 1.683 ug/L  
RT: 11.084 min Scan# 3046  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

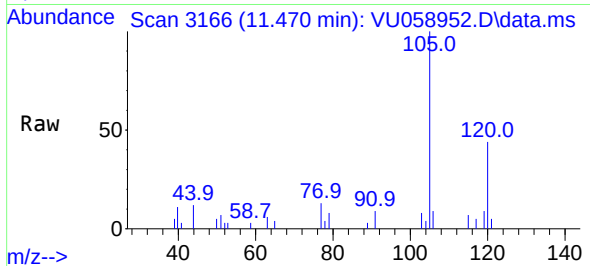
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 7212      |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 45.6  | 36.9 55.3 |





#63  
1,2,4-Trimethylbenzene  
Concen: 1.609 ug/L  
RT: 11.470 min Scan# 3166  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

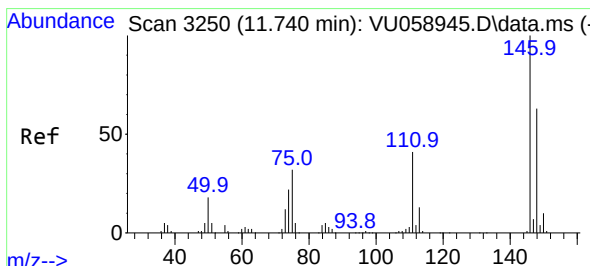
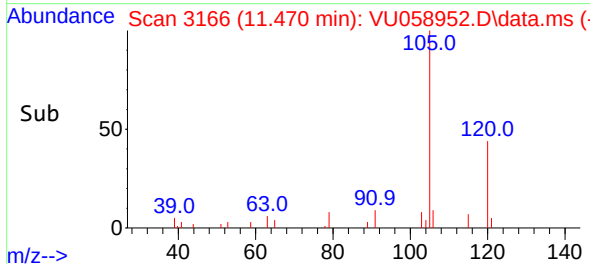
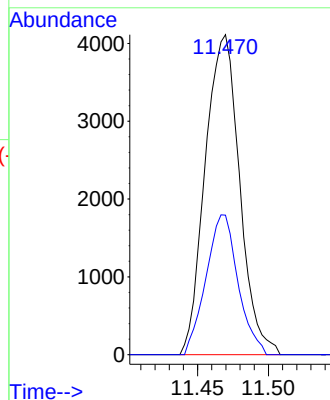
Instrument : MSVOA\_U  
ClientSampleId : VU058952.D  
MDL-MED-SOIL-QT2-2024-03



Tgt Ion:105 Resp: 6950  
Ion Ratio Lower Upper  
105 100  
120 40.6 35.3 52.9

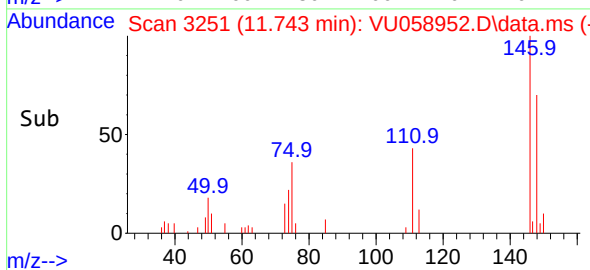
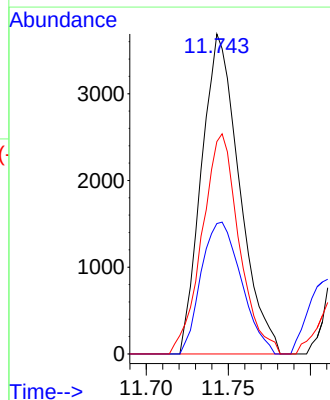
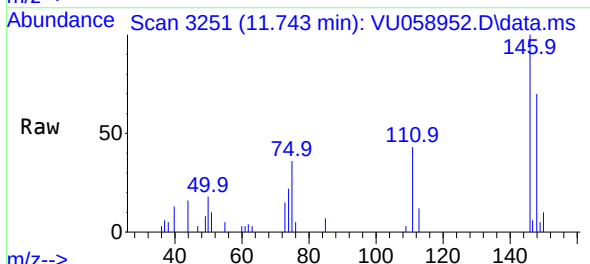
Manual Integrations  
**APPROVED**

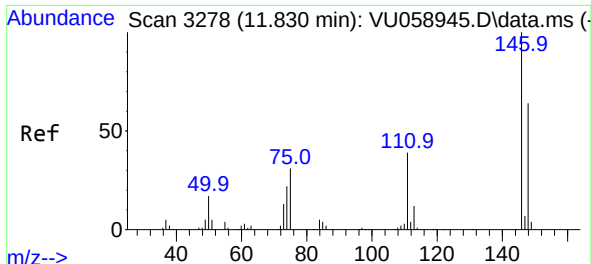
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024



#64  
1,3-Dichlorobenzene  
Concen: 2.097 ug/L  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

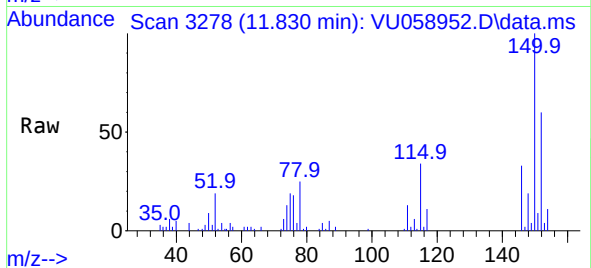
Tgt Ion:146 Resp: 5923  
Ion Ratio Lower Upper  
146 100  
111 40.8 28.6 53.0  
148 66.4 44.2 82.2





#65  
1,4-Dichlorobenzene  
Concen: 2.410 ug/L  
RT: 11.830 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03

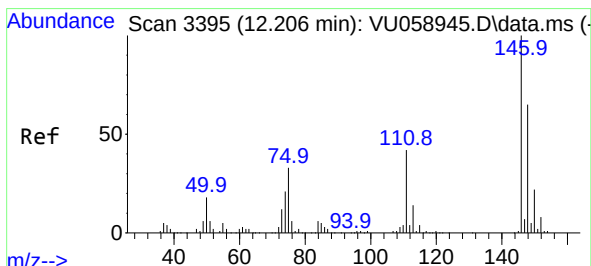
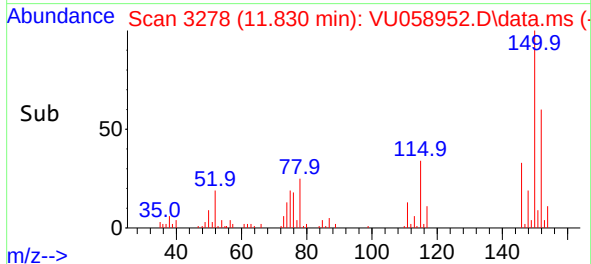
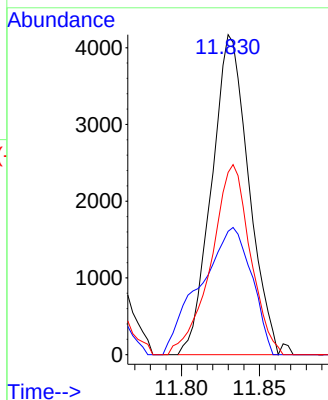


Tgt Ion:146 Resp: 6874  
Ion Ratio Lower Upper  
146 100  
111 38.5 27.3 50.7  
148 57.0 44.7 83.1

Manual Integrations  
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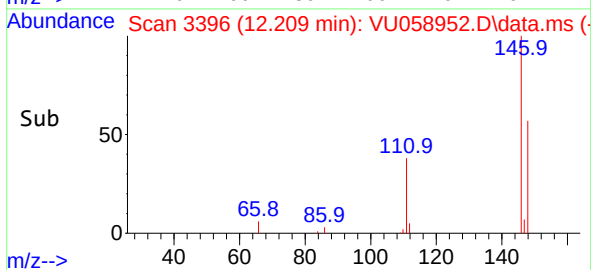
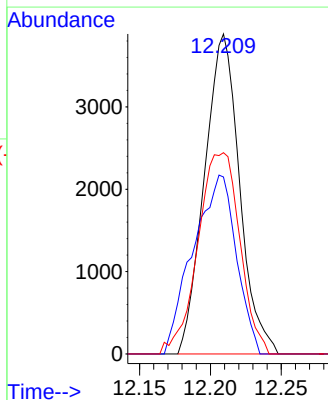
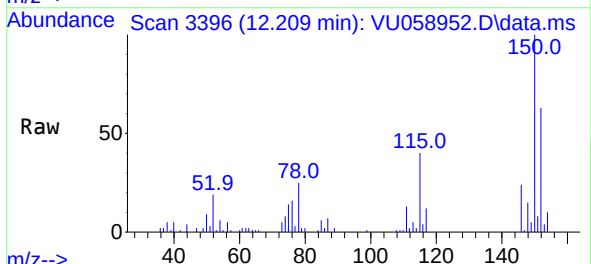
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

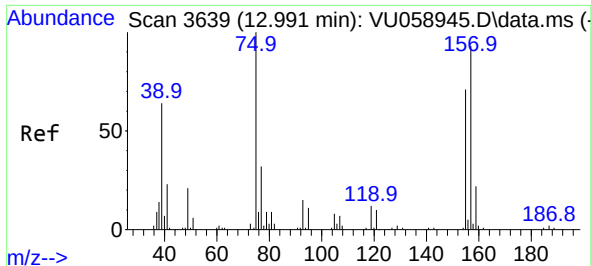
Supervised By :Mahesh  
Dadoda  
05/27/2024



#67  
1,2-Dichlorobenzene  
Concen: 2.332 ug/L  
RT: 12.209 min Scan# 3396  
Delta R.T. 0.003 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Tgt Ion:146 Resp: 6700  
Ion Ratio Lower Upper  
146 100  
111 58.9 34.1 51.1#  
148 59.3 52.2 78.4





#68

1,2-Dibromo-3-chloropropane

Concen: 2.309 ug/L

RT: 13.000 min Scan# 30

Delta R.T. 0.010 min

Lab File: VU058952.D

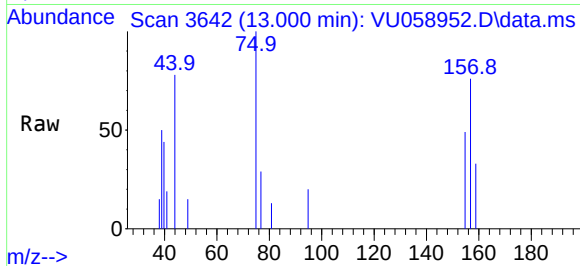
Acq: 23 May 2024 16:43

Instrument :

MSVOA\_U

ClientSampleId :

MDL-MED-SOIL-QT2-2024-03



| Tgt Ion: | 75    | Resp: | 1354  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 0.0   | 60.2  | 90.4  |
| 157      | 75.7  | 77.2  | 115.8 |

Manual Integrations

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Reviewed By :Semsettin

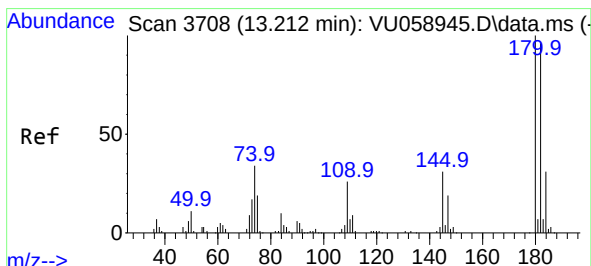
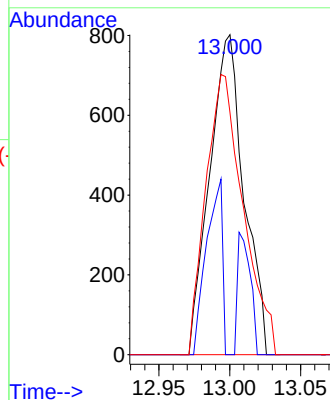
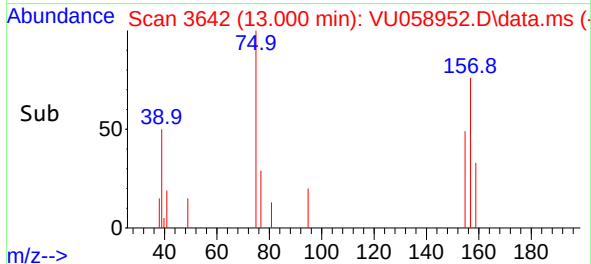
Yesilyurt

05/27/2024

Supervised By :Mahesh

Dadoda

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#69

1,3,5-Trichlorobenzene

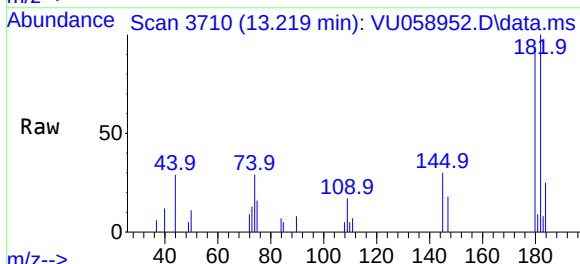
Concen: 2.011 ug/L

RT: 13.219 min Scan# 3710

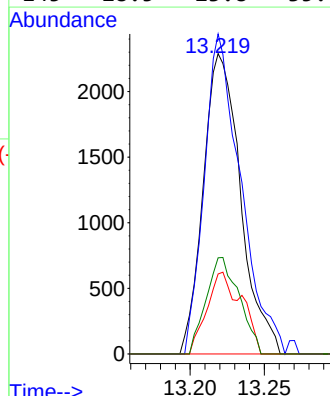
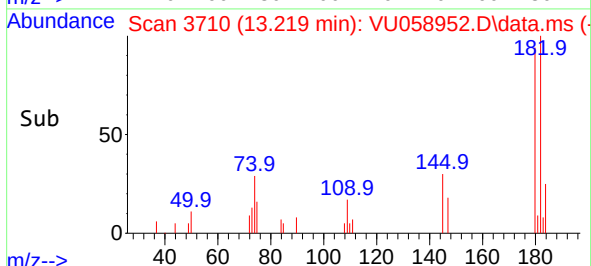
Delta R.T. 0.006 min

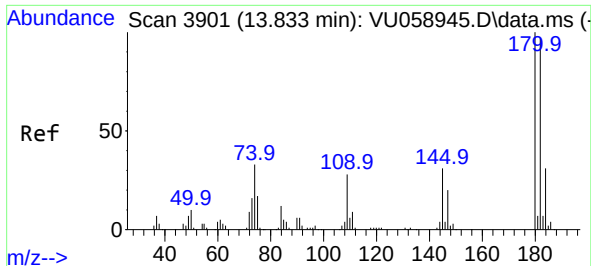
Lab File: VU058952.D

Acq: 23 May 2024 16:43



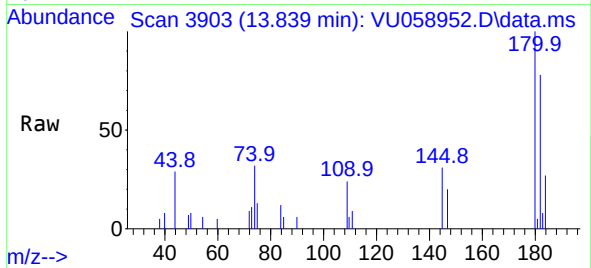
| Tgt Ion: | 180   | Resp: | 4000  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 103.9 | 75.7  | 113.5 |
| 184      | 19.4  | 24.3  | 36.5  |
| 145      | 28.5  | 23.8  | 35.6  |





#70  
1,2,4-trichlorobenzene  
Concen: 2.173 ug/L  
RT: 13.839 min Scan# 3903  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

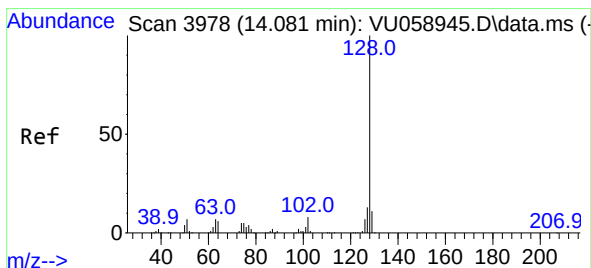
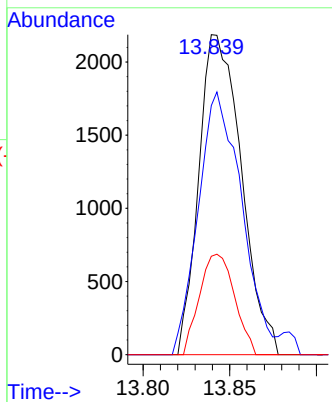
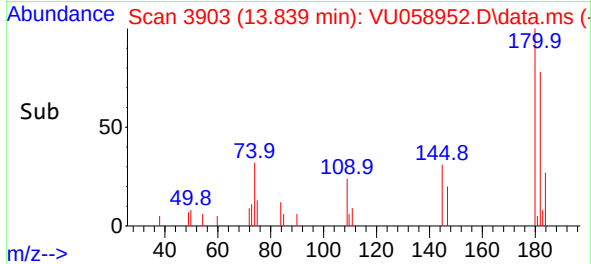
Instrument :  
MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03



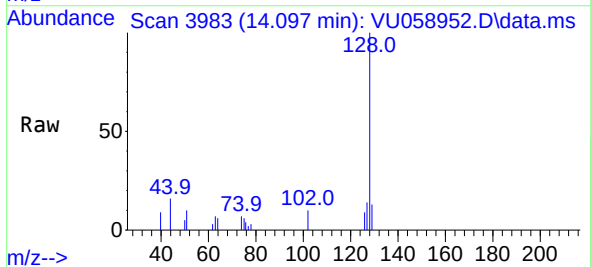
Tgt Ion:180 Resp: 372.0  
Ion Ratio Lower Upper  
180 100  
182 83.6 78.6 117.8  
145 25.9 24.6 37.0

Manual Integrations  
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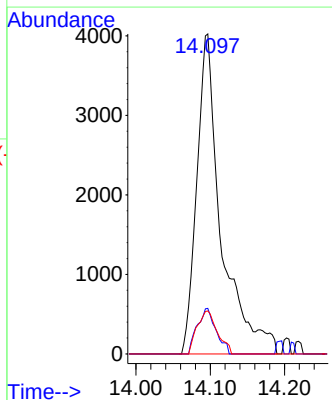
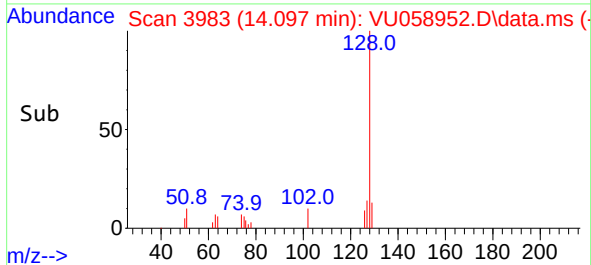
Reviewed By :Semsettin  
Yesilyurt  
05/27/2024  
Supervised By :Mahesh  
Dadoda  
05/27/2024

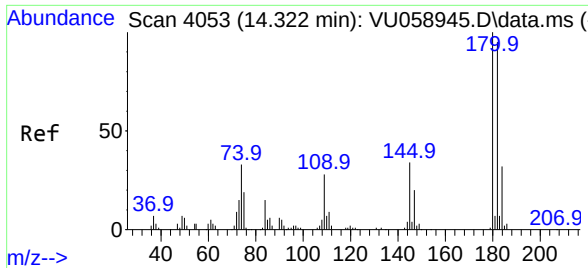


#71  
Naphthalene  
Concen: 1.834 ug/L m  
RT: 14.097 min Scan# 3983  
Delta R.T. 0.016 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43



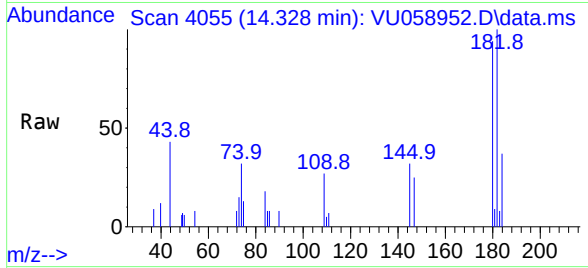
Tgt Ion:128 Resp: 9167  
Ion Ratio Lower Upper  
128 100  
127 10.4 10.8 16.2#  
129 11.1 8.8 13.2





#72  
1,2,3-Trichlorobenzene  
Concen: 1.680 ug/L m  
RT: 14.328 min Scan# 4053  
Delta R.T. 0.006 min  
Lab File: VU058952.D  
Acq: 23 May 2024 16:43

Instrument : MSVOA\_U  
ClientSampleId :  
MDL-MED-SOIL-QT2-2024-03



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 107.0 | 76.1  | 114.1 |
| 145     | 36.1  | 26.2  | 39.2  |

Manual Integrations  
APPROVED

Reviewed By :Semsettin  
Yesilyurt  
05/27/2024

Supervised By :Mahesh  
Dadoda  
05/27/2024

