

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062424\  
 Data File : VW036263.D  
 Acq On : 24 Jun 2024 23:17  
 Operator : SY/MD  
 Sample : P3010-02MS  
 Misc : 4.14g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4CG2MS

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
 Supervised By :Semsettin Yesilyurt 06/26/2024

Quant Time: Jun 25 06:29:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 05:53:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 426367   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 307885   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 82294    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 185913   | 23.717   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.880%   |
| 7) Chloroethane-d5            | 1.526  | 69    | 166252   | 26.599   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 106.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.050  | 65    | 78472    | 22.487   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 89.960%   |
| 21) 2-Butanone-d5             | 3.860  | 46    | 49774m   | 27.675   | ug/L   | 0.03      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 55.360%   |
| 24) Chloroform-d              | 4.243  | 84    | 350168   | 25.833   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.320%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 176666   | 24.858   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.440%   |
| 32) Benzene-d6                | 4.953  | 84    | 665239   | 36.349   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 145.400%# |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 220583   | 38.274   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 153.080%# |
| 41) Toluene-d8                | 7.239  | 98    | 517535   | 32.050   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 128.200%  |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79    | 51778    | 21.911   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.640%   |
| 47) 2-Hexanone-d5             | 8.034  | 63    | 27286    | 34.944   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 69.880%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 115469   | 26.811   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 107.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 71968    | 23.848   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.400%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.101  | 85    | 91035    | 11.842   | ug/L   | 100       |
| 3) Chloromethane              | 1.211  | 50    | 92568    | 10.492   | ug/L   | 97        |
| 5) Vinyl chloride             | 1.275  | 62    | 119600   | 12.877   | ug/L   | 98        |
| 6) Bromomethane               | 1.481  | 94    | 59027    | 10.244   | ug/L   | 99        |
| 8) Chloroethane               | 1.542  | 64    | 81976    | 14.199   | ug/L   | 99        |
| 9) Trichlorofluoromethane     | 1.706  | 101   | 170157   | 14.752   | ug/L   | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101   | 92859    | 12.685   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.060  | 96    | 93236    | 13.656   | ug/L # | 68        |
| 13) Acetone                   | 2.156  | 43    | 28528m   | 10.183   | ug/L   |           |
| 14) Carbon disulfide          | 2.233  | 76    | 213801   | 9.017    | ug/L   | 100       |
| 15) Methyl Acetate            | 2.394  | 43    | 22152    | 6.361    | ug/L   | 94        |
| 16) Methylene chloride        | 2.439  | 84    | 127468   | 13.212   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96    | 82812    | 11.418   | ug/L   | 94        |
| 18) Methyl tert-butyl Ether   | 2.703  | 73    | 240405   | 14.765   | ug/L   | 98        |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 200536   | 14.519   | ug/L   | 100       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96    | 90759    | 12.454   | ug/L   | 96        |
| 22) 2-Butanone                | 3.924  | 43    | 39431m   | 16.587   | ug/L   |           |
| 23) Bromochloromethane        | 4.143  | 128   | 50158    | 13.721   | ug/L   | 94        |
| 25) Chloroform                | 4.272  | 83    | 209717   | 14.760   | ug/L   | 99        |

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 Sample : P3010-02MS  
 Misc : 4.14g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
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 A4CG2MS

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 05:53:47 2024  
 Response via : Initial Calibration

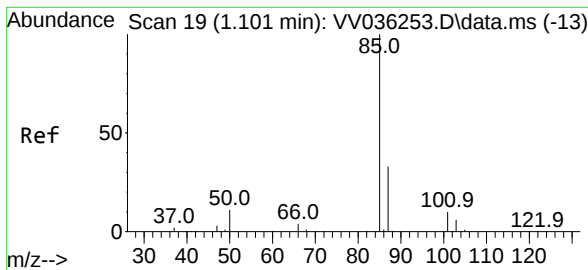
### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
 Supervised By :Semsettin Yesilyurt 06/26/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 122622   | 13.824 | ug/L  | 99       |
| 29) Cyclohexane               | 4.577  | 56   | 75820    | 10.343 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 160985   | 19.126 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.728  | 117  | 129283   | 17.508 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 397584   | 19.744 | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 90439    | 14.654 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.047  | 83   | 60927    | 7.139  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 104044   | 19.678 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 135138   | 19.310 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 97473    | 12.325 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 74524    | 25.942 | ug/L  | 98       |
| 42) Toluene                   | 7.313  | 91   | 350307   | 17.025 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 83032    | 12.155 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 80085    | 18.305 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 53612    | 11.878 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.085  | 43   | 37824    | 16.842 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.175  | 129  | 80981    | 16.913 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 63673    | 15.168 | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 178565   | 12.737 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.944  | 91   | 264556   | 12.017 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.072  | 106  | 96007    | 11.607 | ug/L  | 95       |
| 54) o-Xylene                  | 9.477  | 106  | 91042    | 11.671 | ug/L  | 100      |
| 55) Styrene                   | 9.493  | 104  | 133743   | 9.723  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 63072    | 16.101 | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 43311    | 27.907 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.866  | 105  | 193165   | 18.296 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 57513    | 29.550 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 103753   | 13.552 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 107911   | 13.082 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 70434    | 12.703 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 70034    | 12.237 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 65514    | 12.556 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 8944     | 20.550 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 24438    | 5.892  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 13485    | 4.129  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 29095    | 5.459  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 11028    | 3.701  | ug/L  | 96       |

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





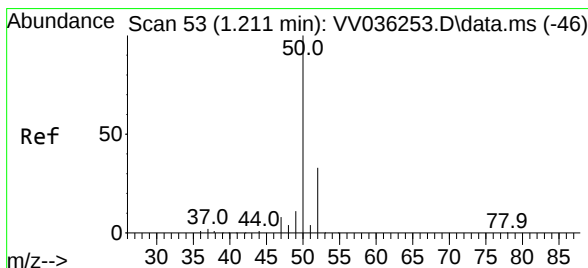
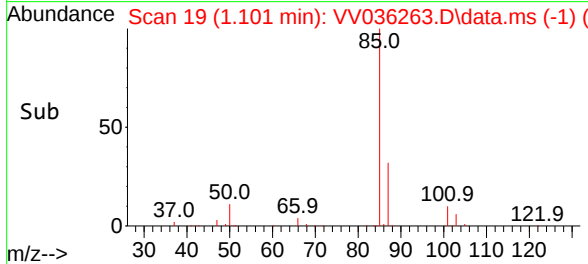
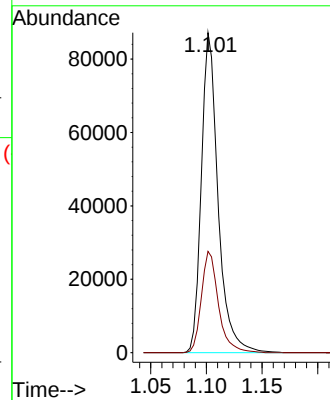
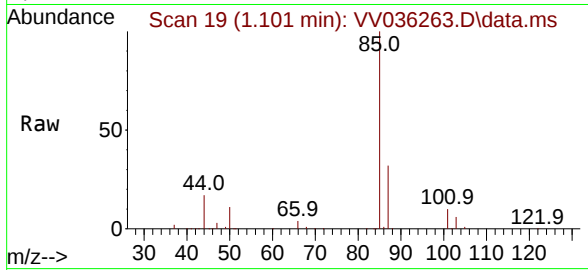
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Dichlorodifluoromethane  
Concen: 11.842 ug/L  
RT: 1.101 min Scan# 19  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument : MSVOA\_V  
ClientSampleId : A4CG2MS

Tgt Ion: 85 Resp: 91035  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.9 38.9

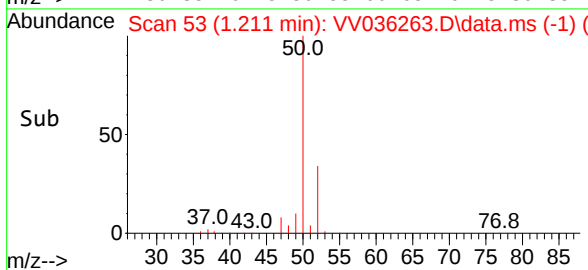
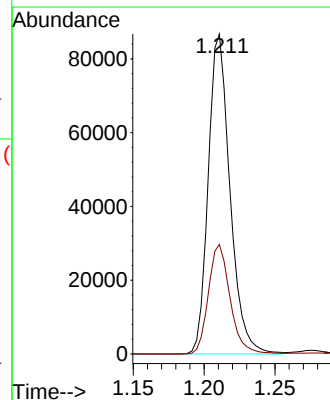
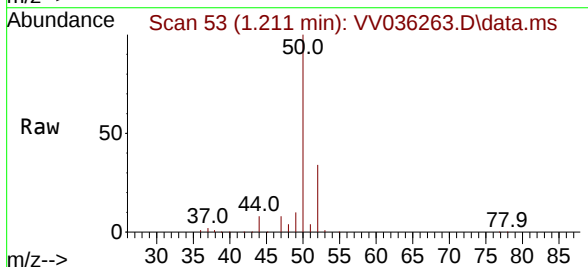
Manual Integrations  
APPROVED

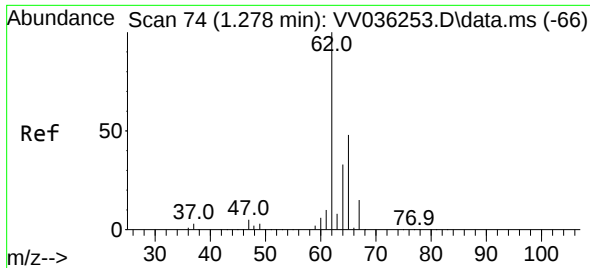
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#3  
Chloromethane  
Concen: 10.492 ug/L  
RT: 1.211 min Scan# 53  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Tgt Ion: 50 Resp: 92568  
Ion Ratio Lower Upper  
50 100  
52 34.2 22.8 42.4





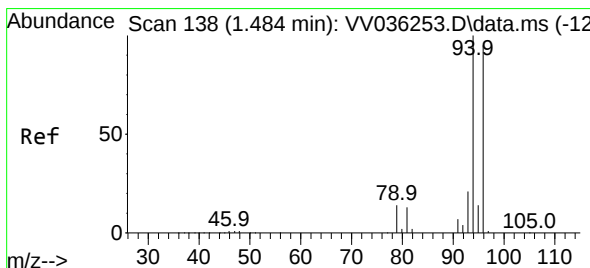
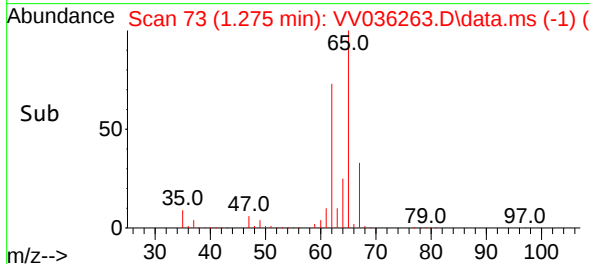
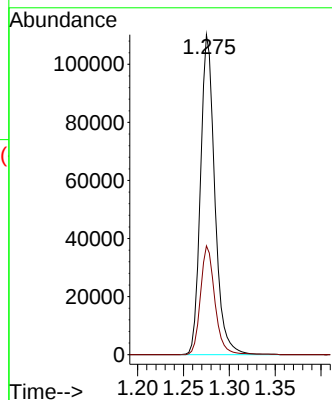
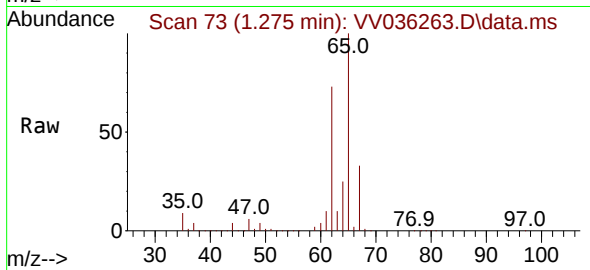
#5  
 Vinyl chloride  
 Concen: 12.877 ug/L  
 RT: 1.275 min Scan# 74  
 Delta R.T. -0.003 min  
 Lab File: VV036263.D  
 Acq: 24 Jun 2024 23:17

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4CG2MS

Tgt Ion: 62 Resp: 119600  
 Ion Ratio Lower Upper  
 62 100  
 64 34.0 22.9 42.5

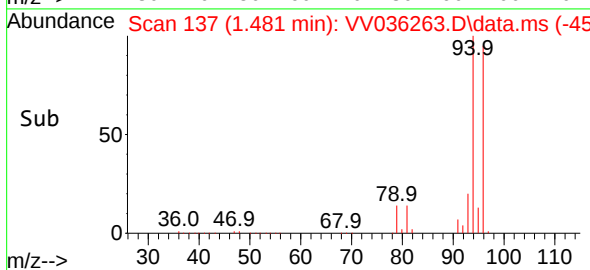
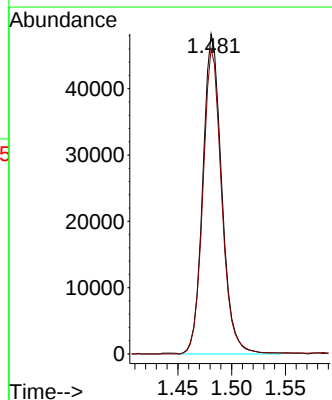
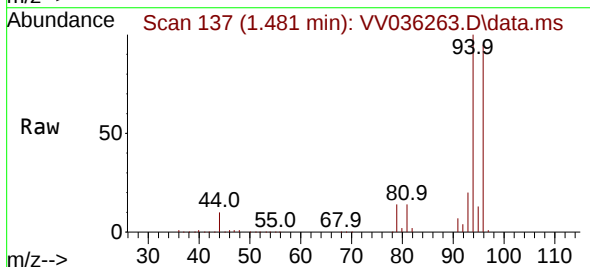
Manual Integrations  
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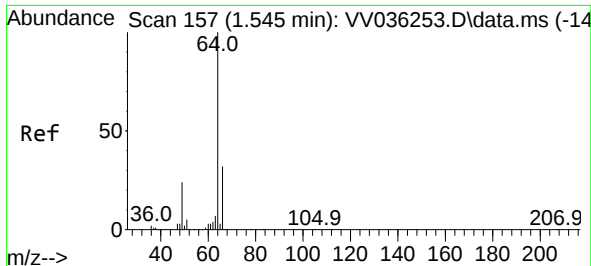
Reviewed By :Mahesh Dadoda 06/26/2024  
 Supervised By :Semsettin Yesilyurt 06/26/2024



#6  
 Bromomethane  
 Concen: 10.244 ug/L  
 RT: 1.481 min Scan# 137  
 Delta R.T. -0.003 min  
 Lab File: VV036263.D  
 Acq: 24 Jun 2024 23:17

Tgt Ion: 94 Resp: 59027  
 Ion Ratio Lower Upper  
 94 100  
 96 95.3 65.7 122.1





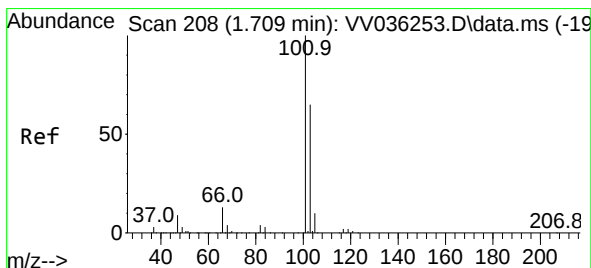
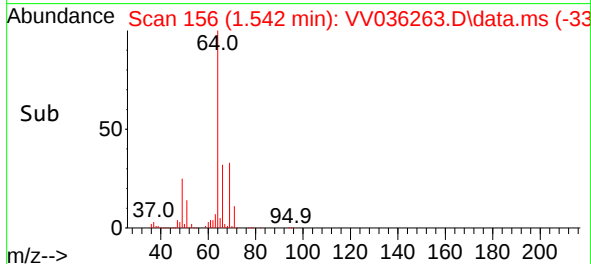
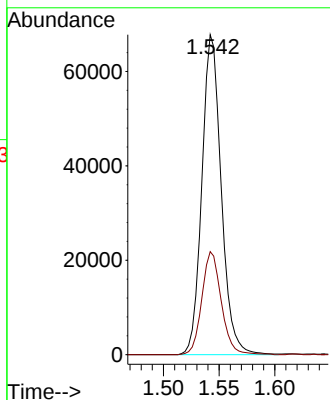
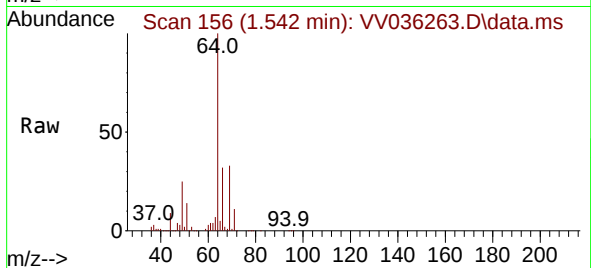
#8  
Chloroethane  
Concen: 14.199 ug/L  
RT: 1.542 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

Tgt Ion: 64 Resp: 81970  
Ion Ratio Lower Upper  
64 100  
66 32.2 22.0 41.0

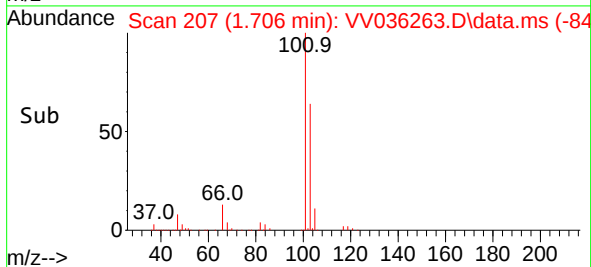
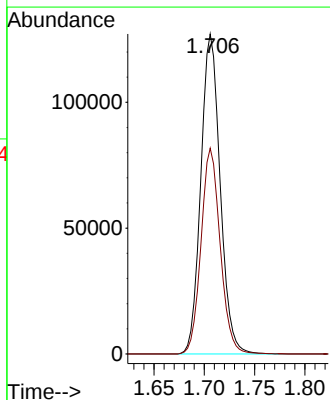
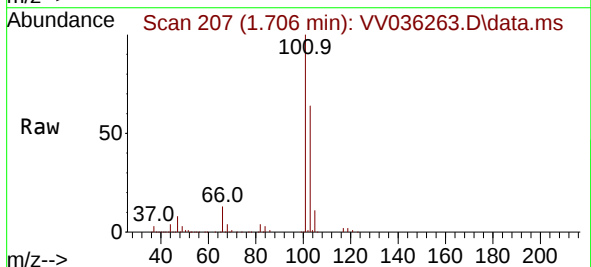
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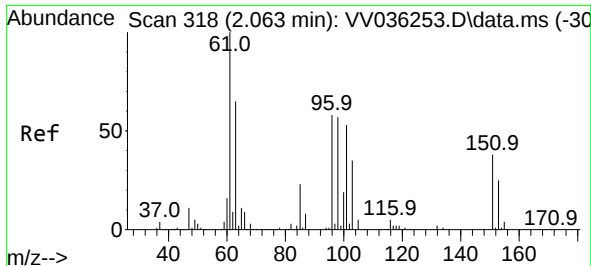
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#9  
Trichlorofluoromethane  
Concen: 14.752 ug/L  
RT: 1.706 min Scan# 207  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

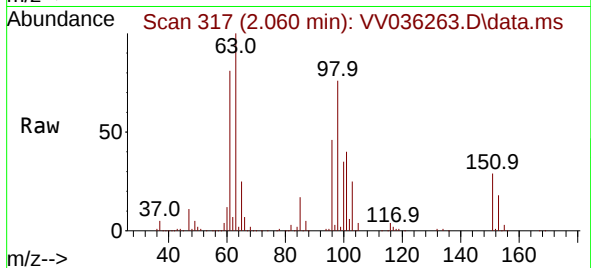
Tgt Ion:101 Resp: 170157  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.8 77.8





#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 12.685 ug/L  
RT: 2.060 min Scan# 317  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

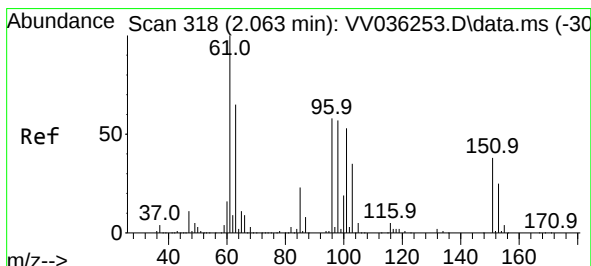
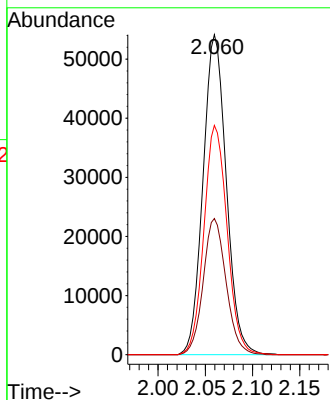
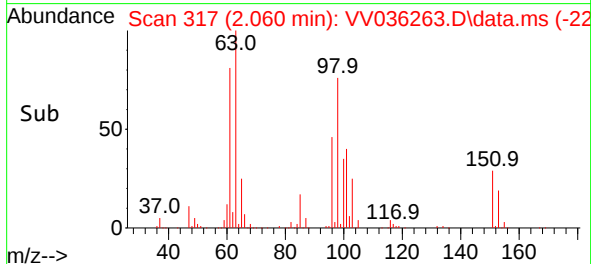
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



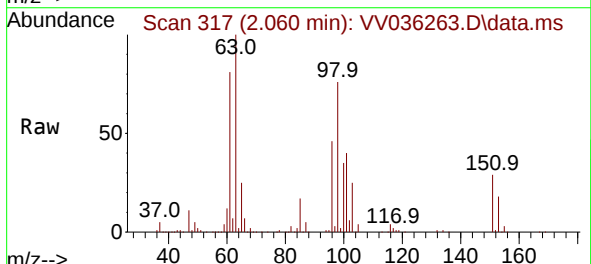
Tgt Ion:101 Resp: 9285  
Ion Ratio Lower Upper  
101 100  
85 41.8 34.5 51.7  
151 71.2 56.3 84.5

Manual Integrations  
APPROVED

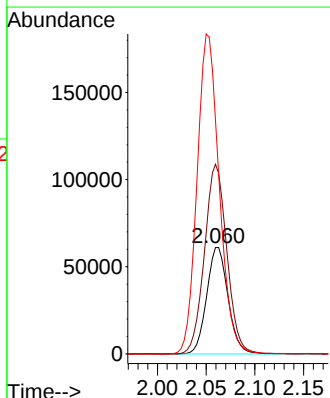
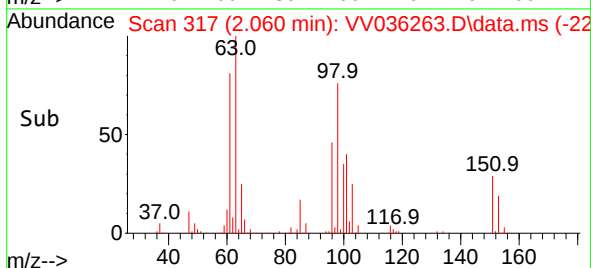
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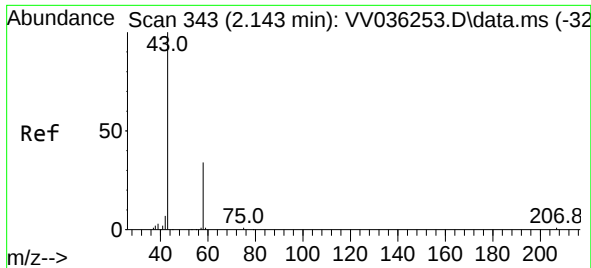


#12  
1,1-Dichloroethene  
Concen: 13.656 ug/L  
RT: 2.060 min Scan# 317  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17



Tgt Ion: 96 Resp: 93236  
Ion Ratio Lower Upper  
96 100  
61 178.2 127.3 236.3  
63 219.7 93.7 173.9#





#13

Acetone

Concen: 10.183 ug/L m

RT: 2.156 min Scan# 343

Delta R.T. 0.013 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

Tgt Ion: 43 Resp: 28528

Ion Ratio Lower Upper

43 100

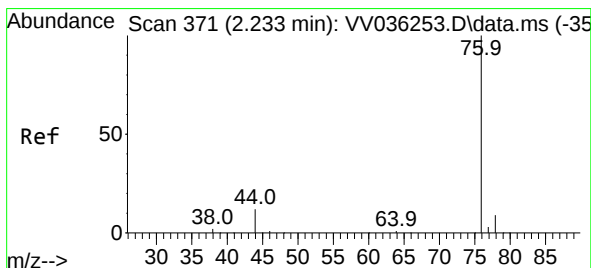
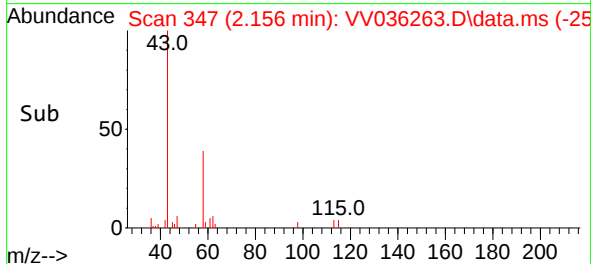
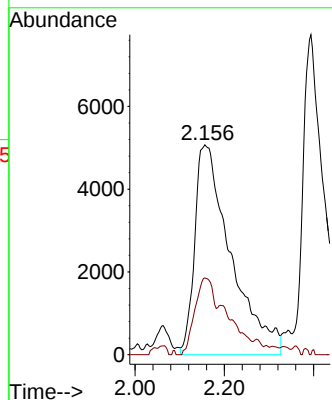
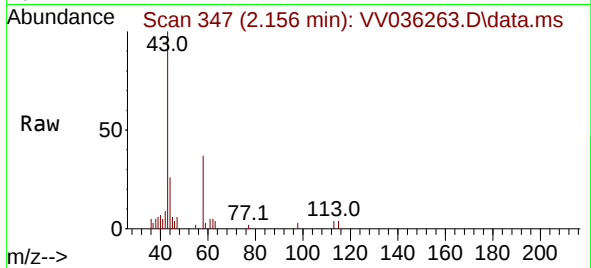
58 19.1 0.0 24.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#14

Carbon disulfide

Concen: 9.017 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV036263.D

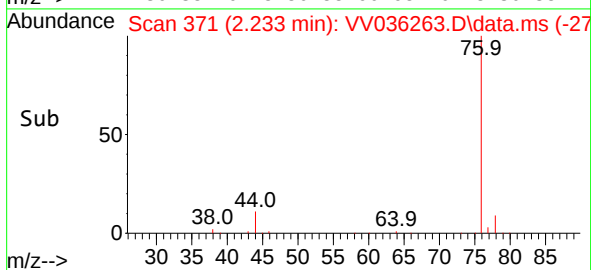
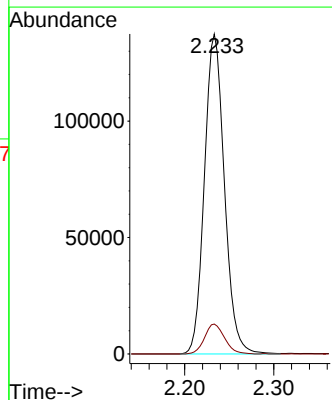
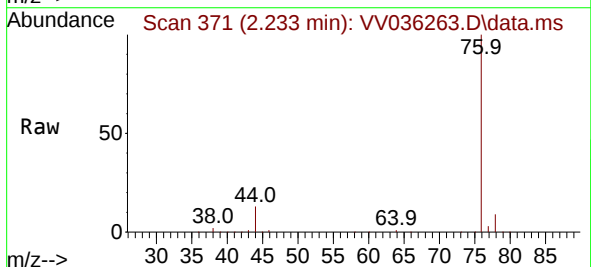
Acq: 24 Jun 2024 23:17

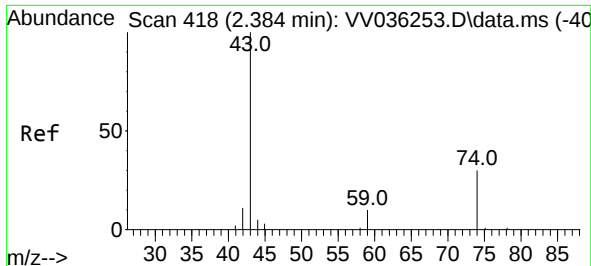
Tgt Ion: 76 Resp: 213801

Ion Ratio Lower Upper

76 100

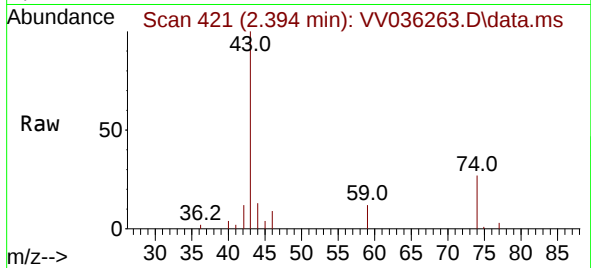
78 9.4 7.4 11.2





#15  
Methyl Acetate  
Concen: 6.361 ug/L  
RT: 2.394 min Scan# 418  
Delta R.T. 0.010 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

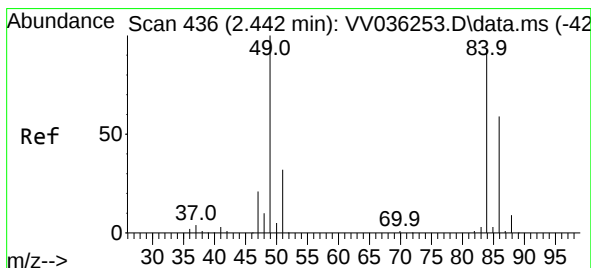
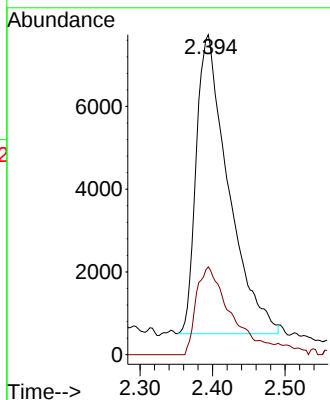
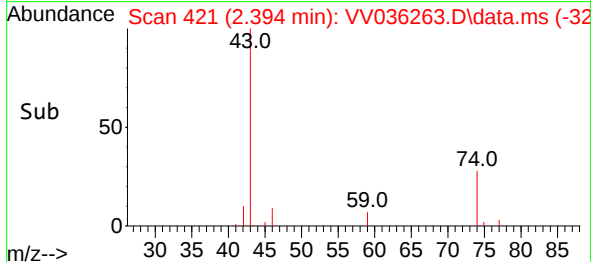
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



Tgt Ion: 43 Resp: 22152  
Ion Ratio Lower Upper  
43 100  
74 29.8 21.4 32.2

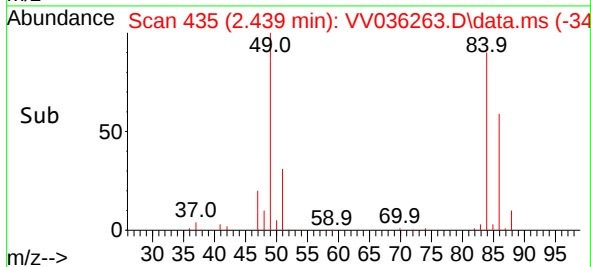
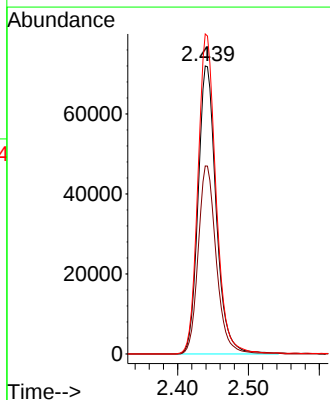
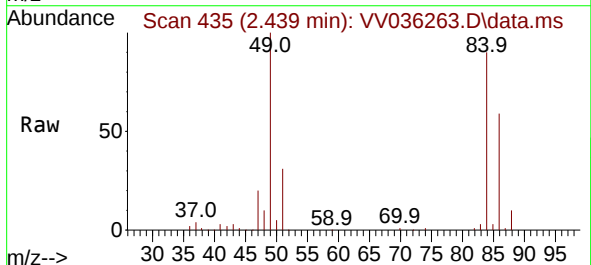
Manual Integrations  
APPROVED

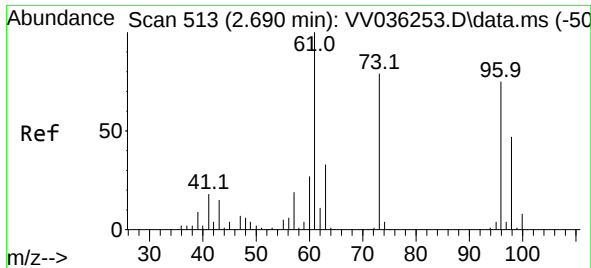
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#16  
Methylene chloride  
Concen: 13.212 ug/L  
RT: 2.439 min Scan# 435  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

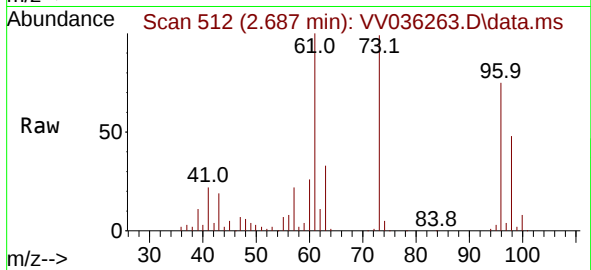
Tgt Ion: 84 Resp: 127468  
Ion Ratio Lower Upper  
84 100  
86 65.3 44.6 82.8  
49 111.1 81.1 150.5





#17  
trans-1,2-Dichloroethene  
Concen: 11.418 ug/L  
RT: 2.687 min Scan# 513  
Delta R.T. -0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

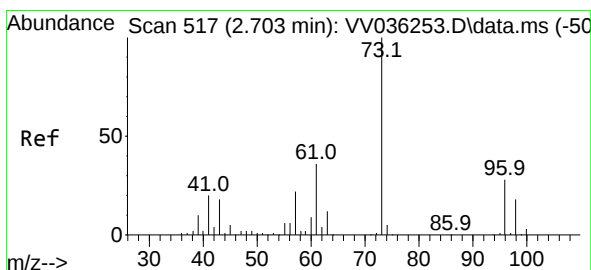
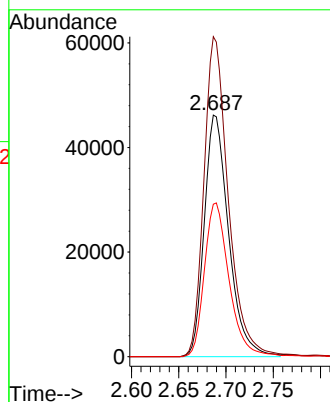
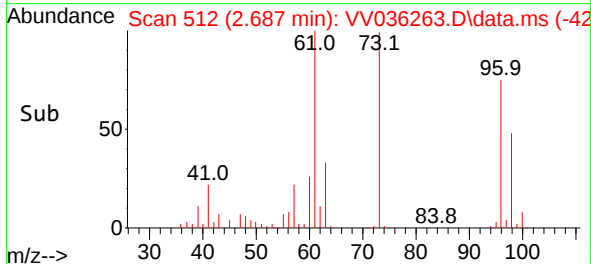
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



Tgt Ion: 96 Resp: 82812  
Ion Ratio Lower Upper  
96 100  
61 132.5 99.4 184.6  
98 63.1 44.9 83.3

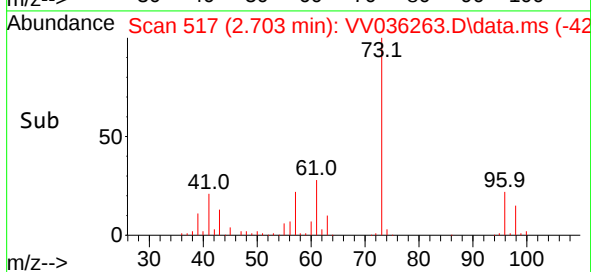
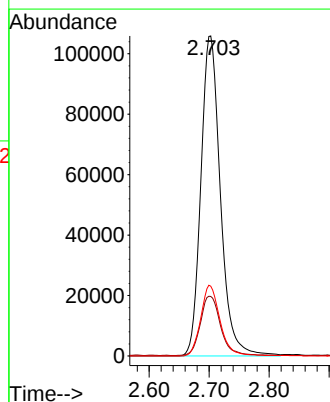
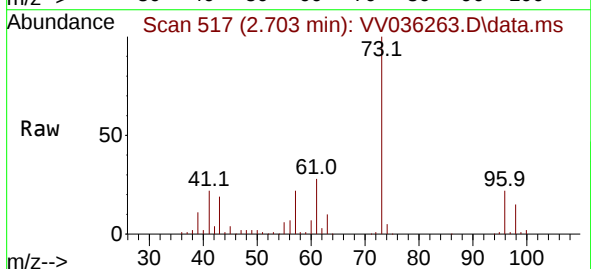
Manual Integrations  
APPROVED

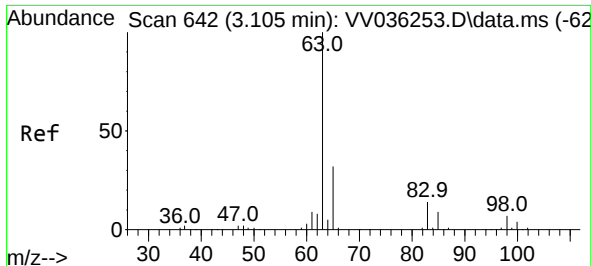
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#18  
Methyl tert-butyl Ether  
Concen: 14.765 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

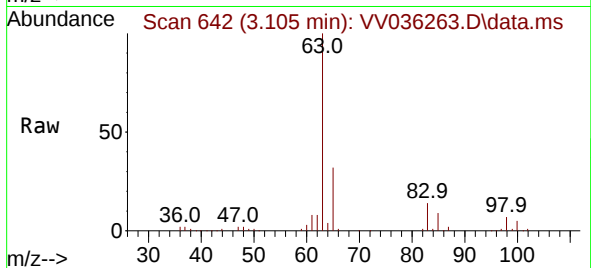
Tgt Ion: 73 Resp: 240405  
Ion Ratio Lower Upper  
73 100  
43 19.1 14.3 21.5  
57 21.6 17.8 26.6





#19  
1,1-Dichloroethane  
Concen: 14.519 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

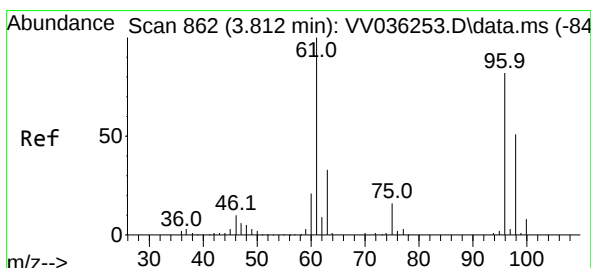
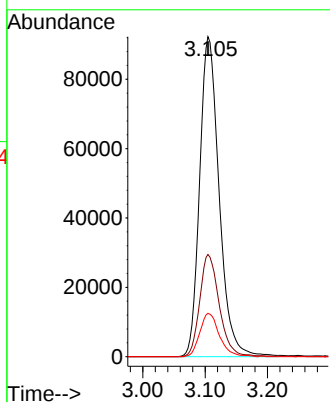
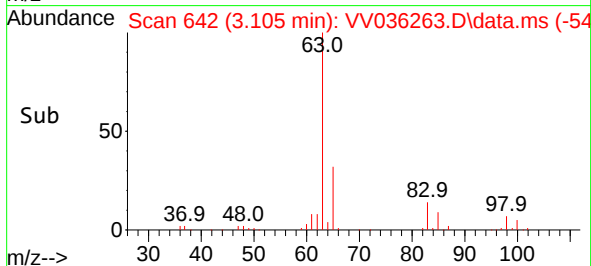
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



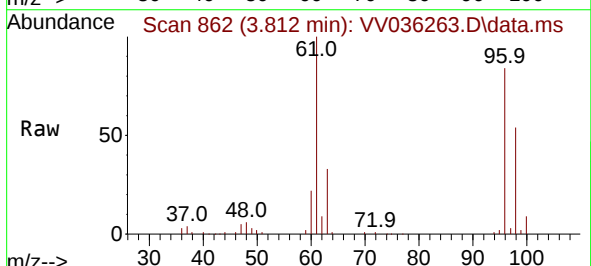
Tgt Ion: 63 Resp: 200530  
Ion Ratio Lower Upper  
63 100  
65 31.9 22.4 41.6  
83 13.5 9.2 17.0

Manual Integrations  
APPROVED

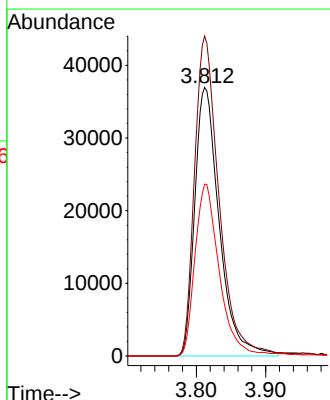
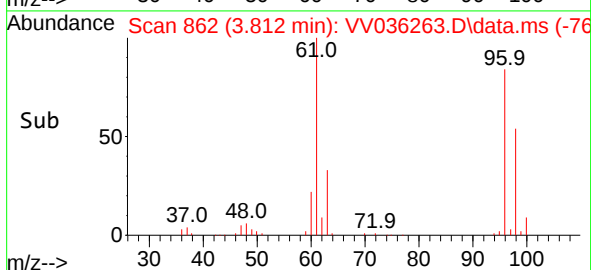
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024

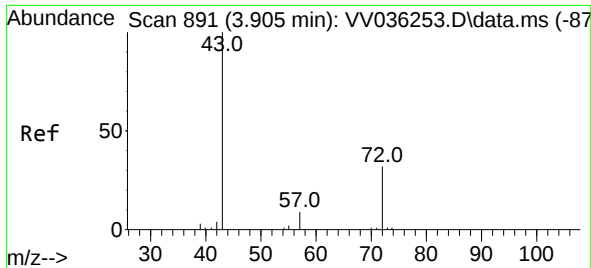


#20  
cis-1,2-Dichloroethene  
Concen: 12.454 ug/L  
RT: 3.812 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17



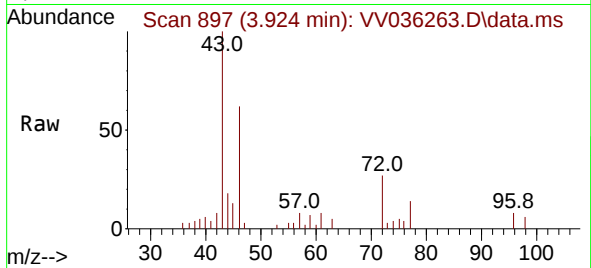
Tgt Ion: 96 Resp: 90759  
Ion Ratio Lower Upper  
96 100  
61 119.2 87.9 163.3  
98 64.0 44.4 82.5





#22  
2-Butanone  
Concen: 16.587 ug/L m  
RT: 3.924 min Scan# 891  
Delta R.T. 0.019 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

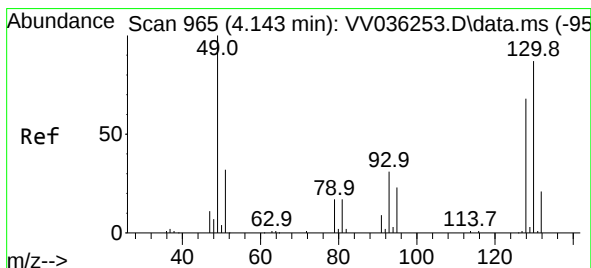
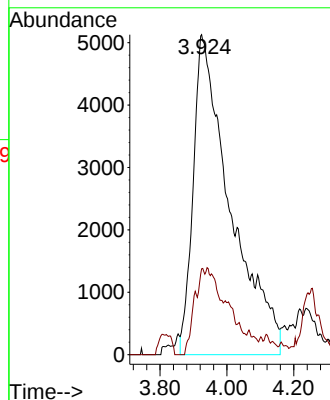
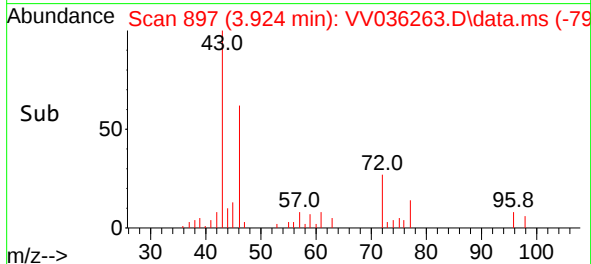
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



Tgt Ion: 43 Resp: 3943  
Ion Ratio Lower Upper  
43 100  
72 1.3 8.2 24.4

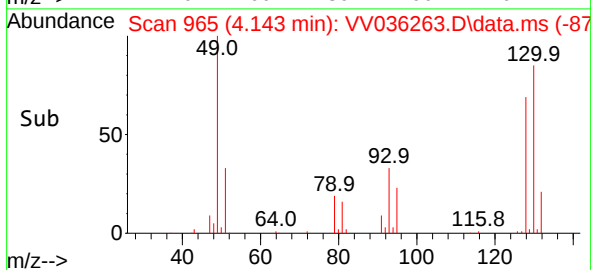
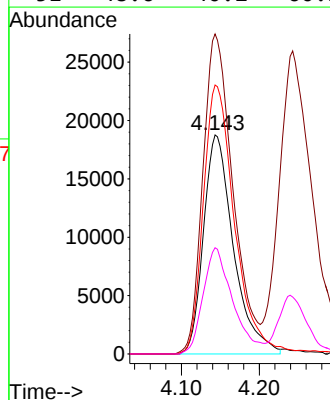
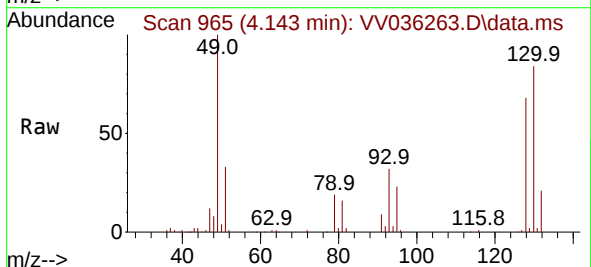
Manual Integrations  
APPROVED

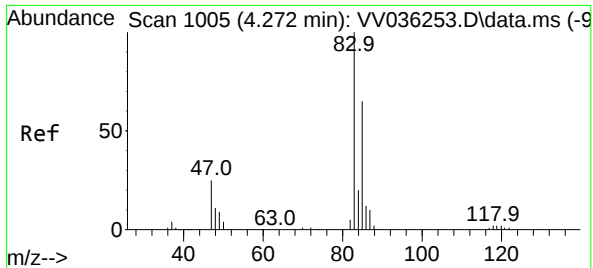
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#23  
Bromochloromethane  
Concen: 13.721 ug/L  
RT: 4.143 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Tgt Ion:128 Resp: 50158  
Ion Ratio Lower Upper  
128 100  
49 146.1 110.2 204.6  
130 122.9 90.2 167.4  
51 48.6 40.2 60.2





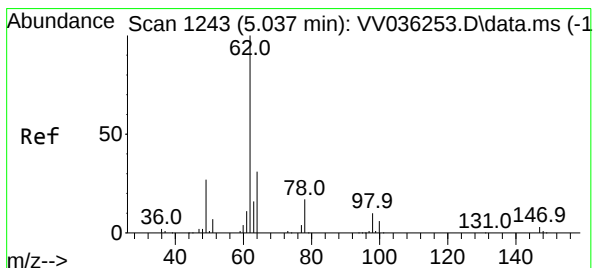
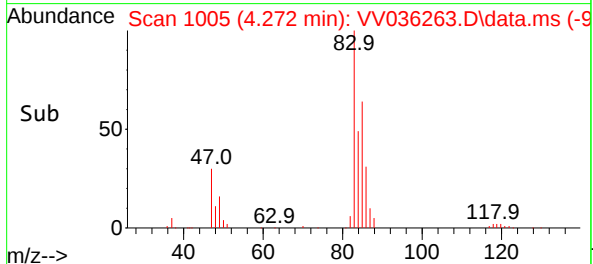
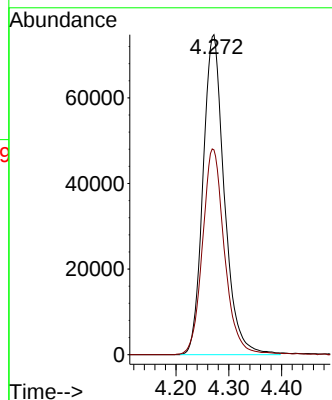
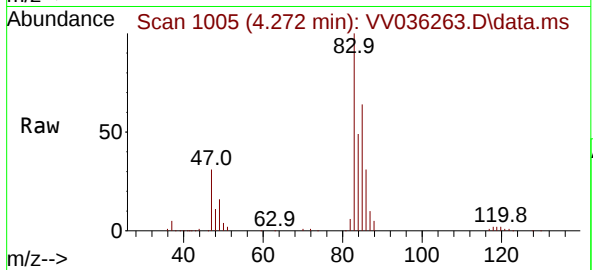
#25  
Chloroform  
Concen: 14.760 ug/L  
RT: 4.272 min Scan# 1005  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

Tgt Ion: 83 Resp: 20971  
Ion Ratio Lower Upper  
83 100  
85 64.0 45.2 84.0

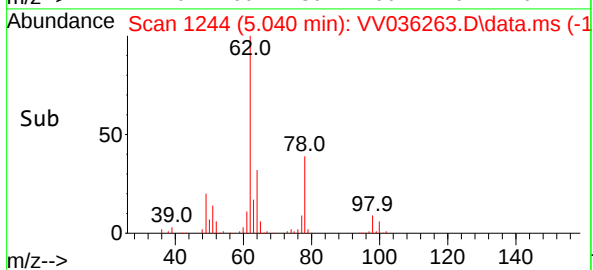
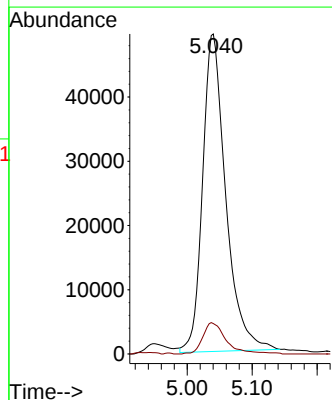
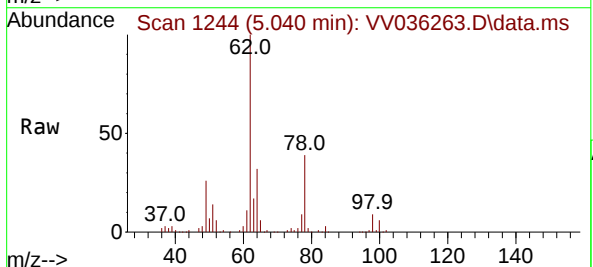
Manual Integrations  
APPROVED

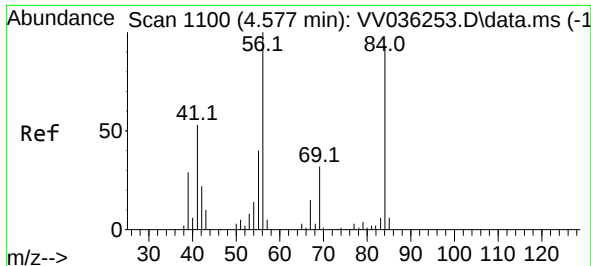
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#27  
1,2-Dichloroethane  
Concen: 13.824 ug/L  
RT: 5.040 min Scan# 1244  
Delta R.T. 0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

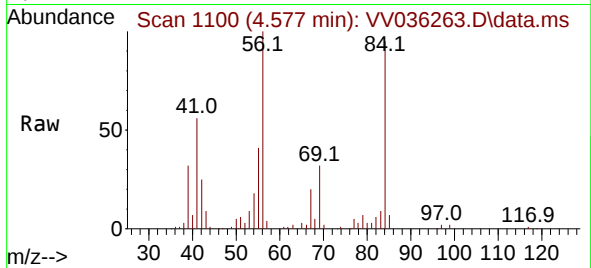
Tgt Ion: 62 Resp: 122622  
Ion Ratio Lower Upper  
62 100  
98 9.5 7.8 11.6





#29  
Cyclohexane  
Concen: 10.343 ug/L  
RT: 4.577 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

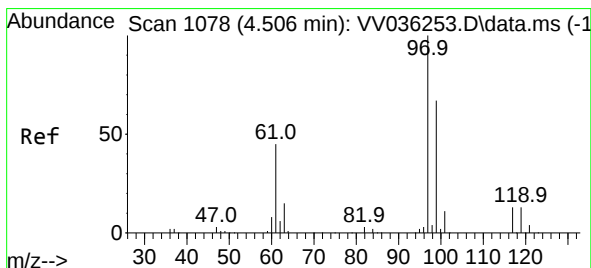
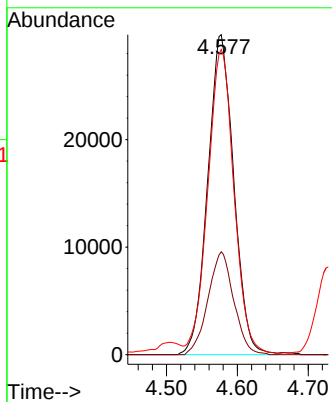
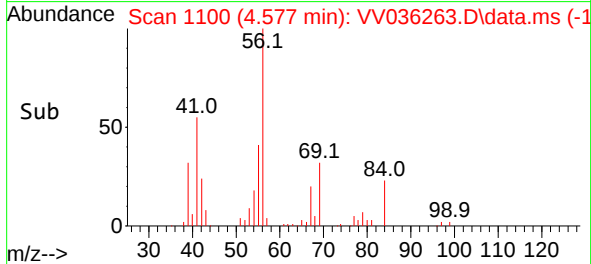
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



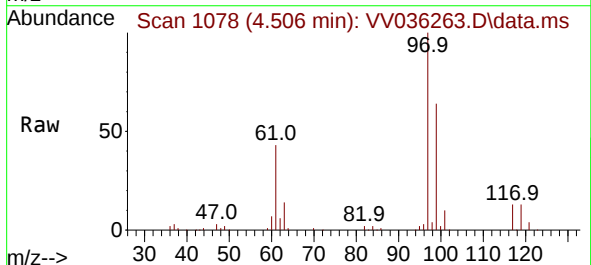
Tgt Ion: 56 Resp: 75820  
Ion Ratio Lower Upper  
56 100  
69 31.8 25.2 37.8  
84 95.1 72.2 108.2

Manual Integrations  
APPROVED

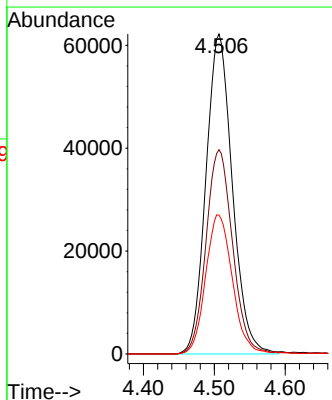
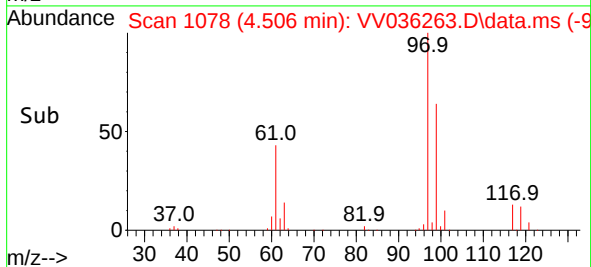
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024

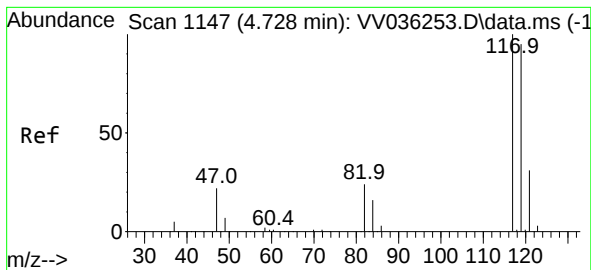


#30  
1,1,1-Trichloroethane  
Concen: 19.126 ug/L  
RT: 4.506 min Scan# 1078  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17



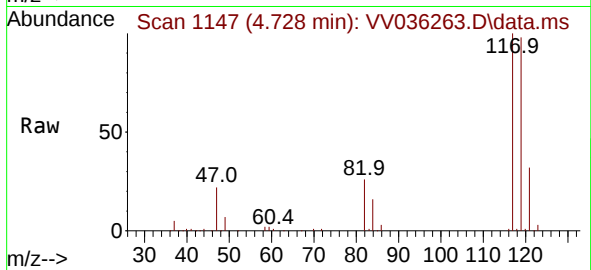
Tgt Ion: 97 Resp: 160985  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.9 76.3  
61 43.9 35.0 52.6





#31  
Carbon tetrachloride  
Concen: 17.508 ug/L  
RT: 4.728 min Scan# 1147  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

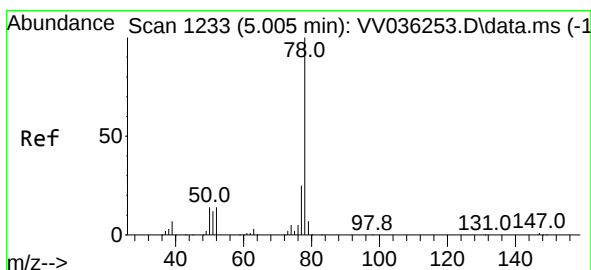
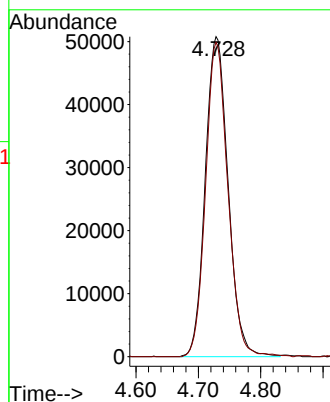
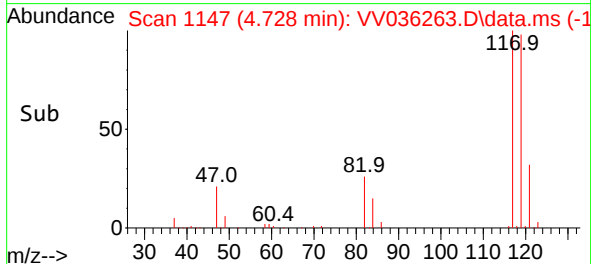
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



Tgt Ion:117 Resp: 129283  
Ion Ratio Lower Upper  
117 100  
119 95.3 76.8 115.2

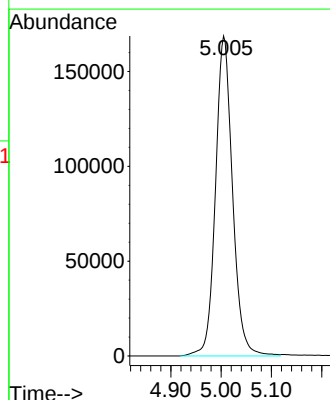
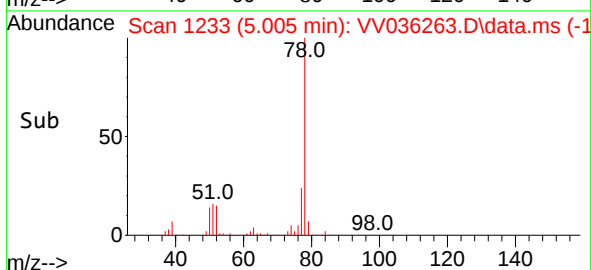
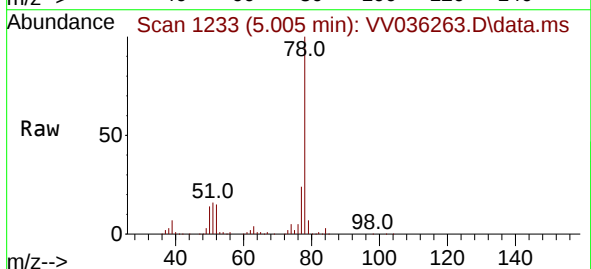
Manual Integrations  
APPROVED

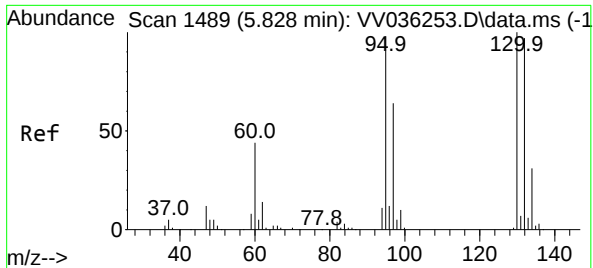
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#33  
Benzene  
Concen: 19.744 ug/L  
RT: 5.005 min Scan# 1233  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

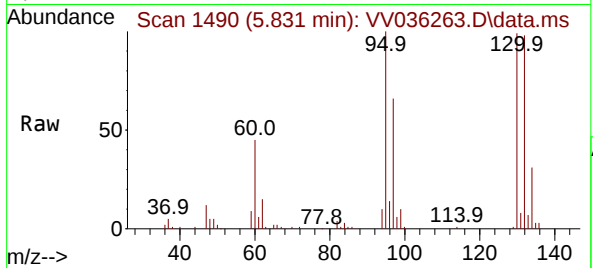
Tgt Ion: 78 Resp: 397584





#34  
Trichloroethene  
Concen: 14.654 ug/L  
RT: 5.831 min Scan# 1489  
Delta R.T. 0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

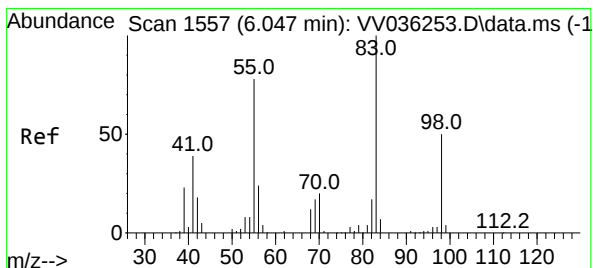
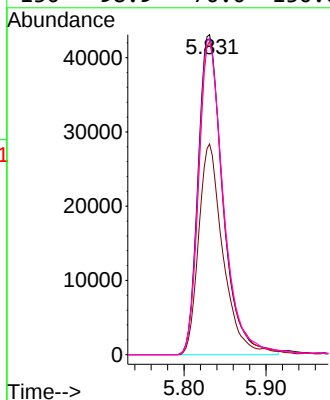
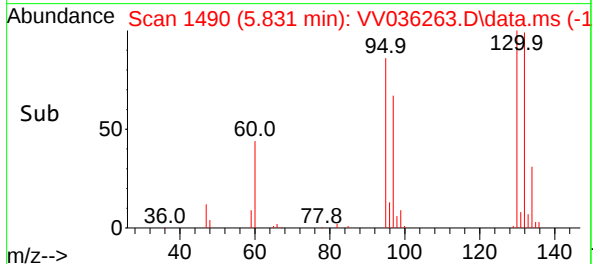
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



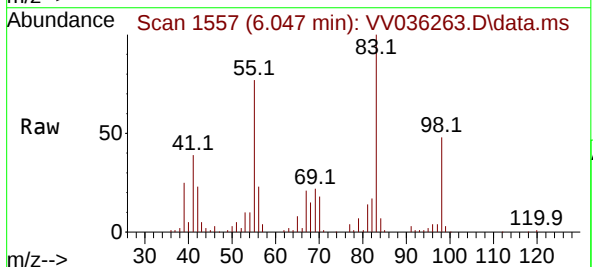
Tgt Ion: 95 Resp: 90439  
Ion Ratio Lower Upper  
95 100  
97 65.8 44.8 83.2  
132 97.8 66.8 124.2  
130 98.9 70.0 130.0

Manual Integrations  
APPROVED

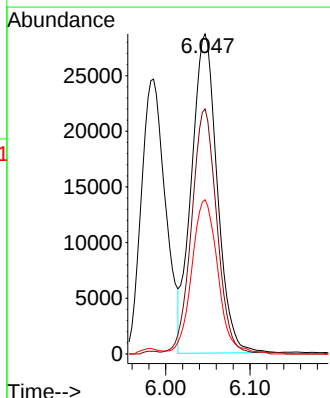
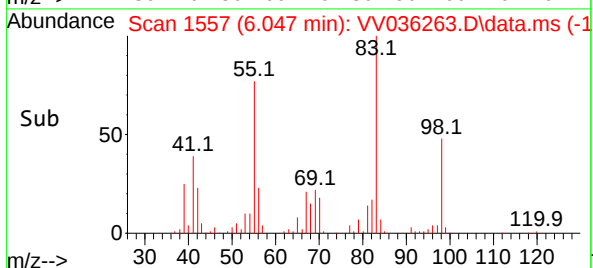
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024

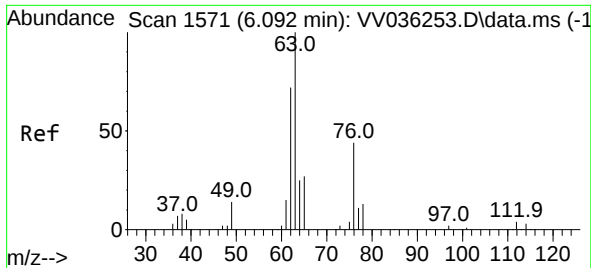


#35  
Methylcyclohexane  
Concen: 7.139 ug/L  
RT: 6.047 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17



Tgt Ion: 83 Resp: 60927  
Ion Ratio Lower Upper  
83 100  
55 74.6 60.7 91.1  
98 46.6 38.7 58.1





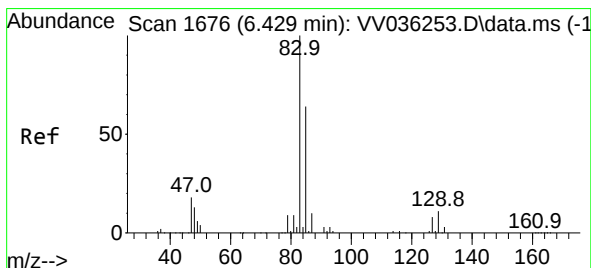
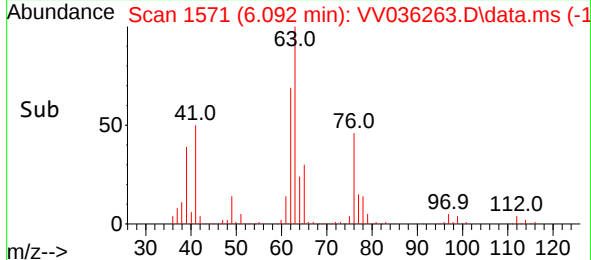
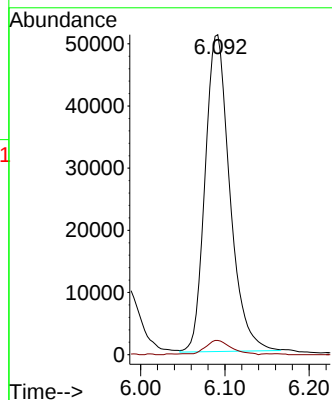
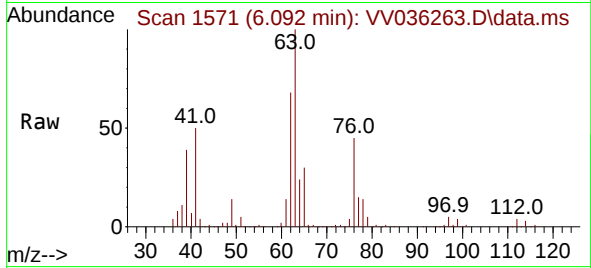
#37  
1,2-Dichloropropane  
Concen: 19.678 ug/L  
RT: 6.092 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

Tgt Ion: 63 Resp: 104044  
Ion Ratio Lower Upper  
63 100  
112 4.7 3.5 5.3

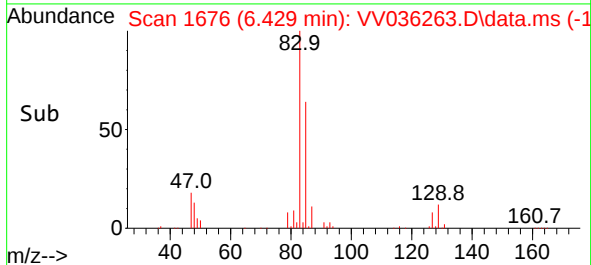
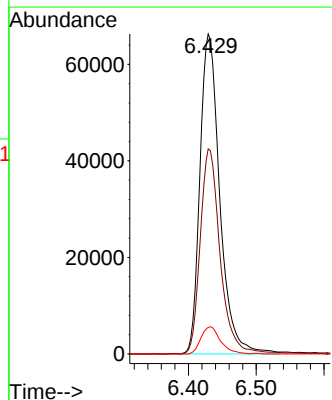
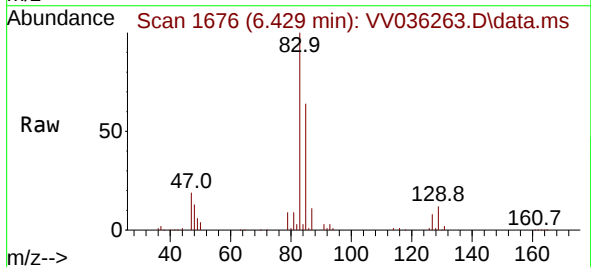
Manual Integrations  
APPROVED

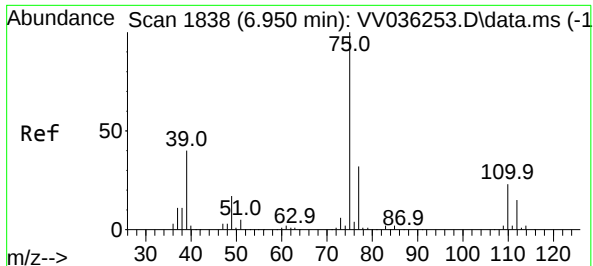
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#38  
Bromodichloromethane  
Concen: 19.310 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Tgt Ion: 83 Resp: 135138  
Ion Ratio Lower Upper  
83 100  
85 64.1 45.3 84.1  
127 8.3 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 12.325 ug/L

RT: 6.953 min Scan# 1838

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

Tgt Ion: 75 Resp: 9747

Ion Ratio Lower Upper

75 100

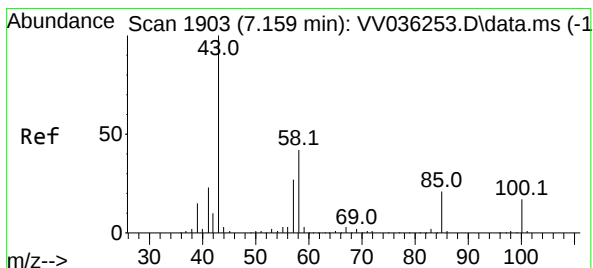
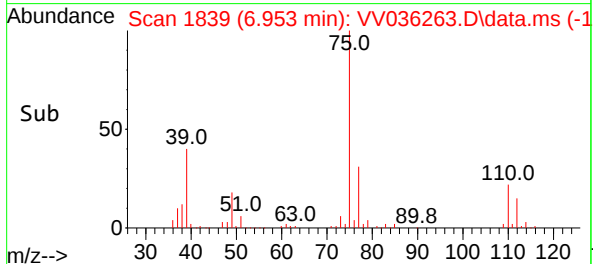
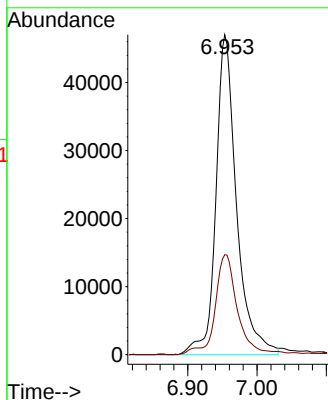
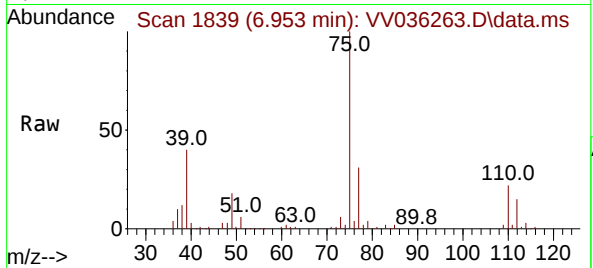
77 31.3 22.1 41.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#40

4-Methyl-2-pentanone

Concen: 25.942 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

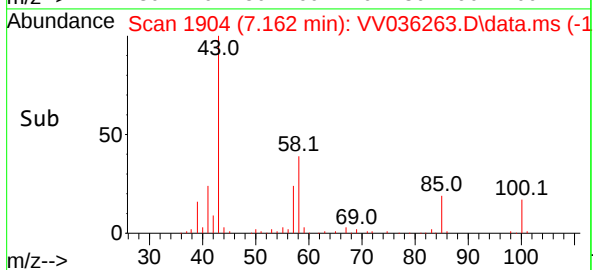
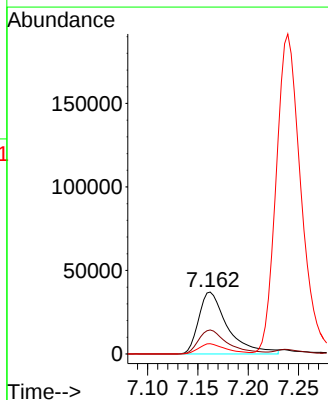
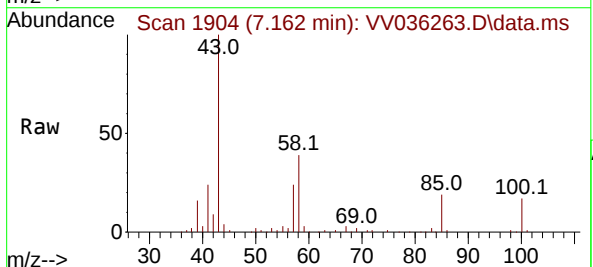
Tgt Ion: 43 Resp: 74524

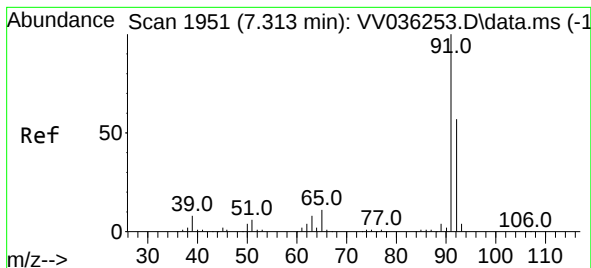
Ion Ratio Lower Upper

43 100

58 39.3 32.5 48.7

100 15.7 12.5 18.7





#42

Toluene

Concen: 17.025 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

Tgt Ion: 91 Resp: 35030

Ion Ratio Lower Upper

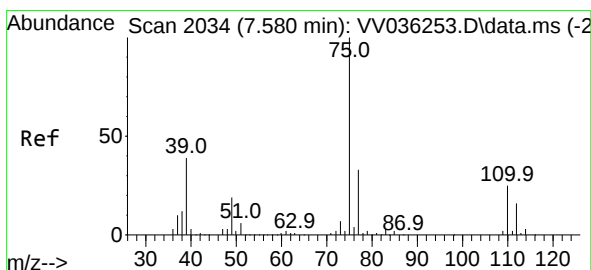
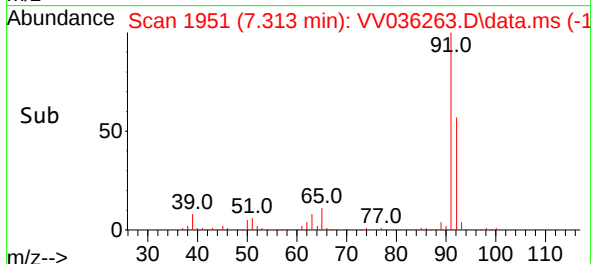
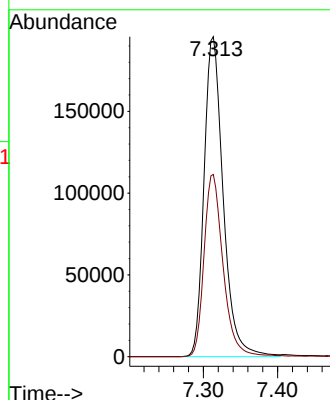
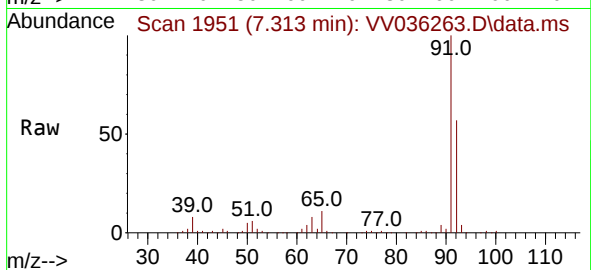
91 100

92 57.0 40.6 75.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#44

trans-1,3-Dichloropropene

Concen: 12.155 ug/L

RT: 7.580 min Scan# 2034

Delta R.T. 0.000 min

Lab File: VV036263.D

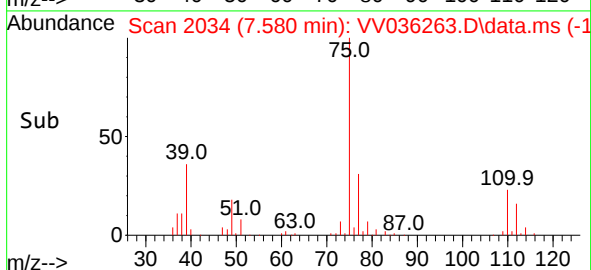
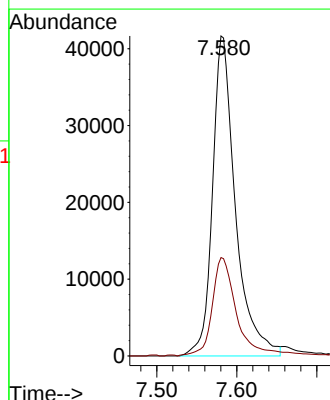
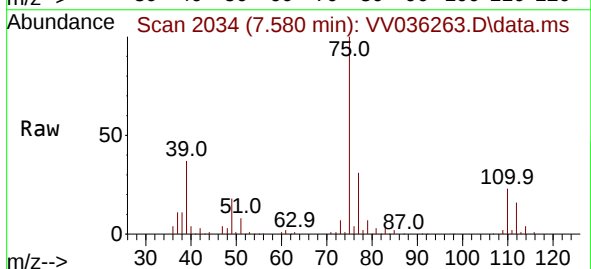
Acq: 24 Jun 2024 23:17

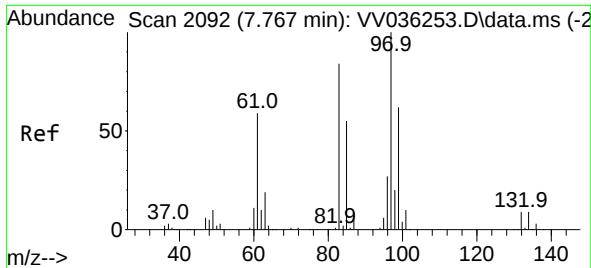
Tgt Ion: 75 Resp: 83032

Ion Ratio Lower Upper

75 100

77 30.8 23.1 42.9





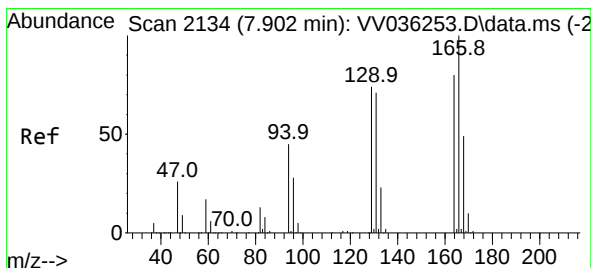
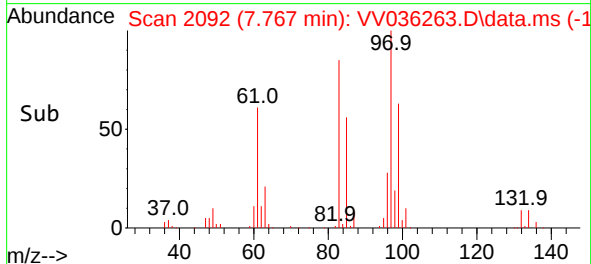
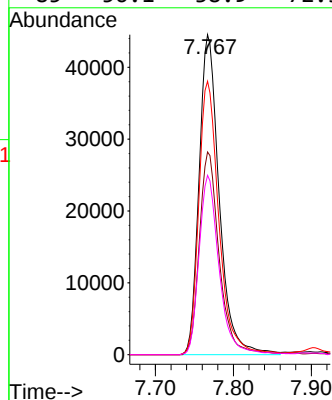
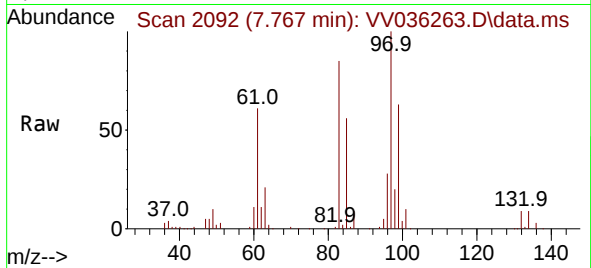
#45  
1,1,2-Trichloroethane  
Concen: 18.305 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 8008  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 63.3     | 43.3 80.5   |
| 83 85.4     | 60.1 111.7  |
| 85 56.1     | 38.9 72.3   |

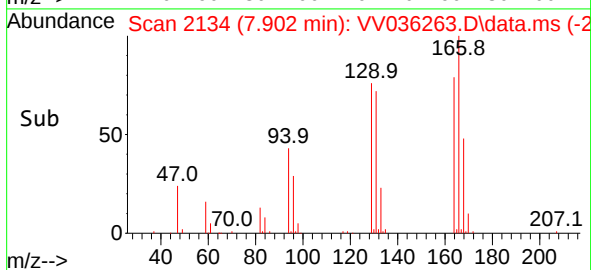
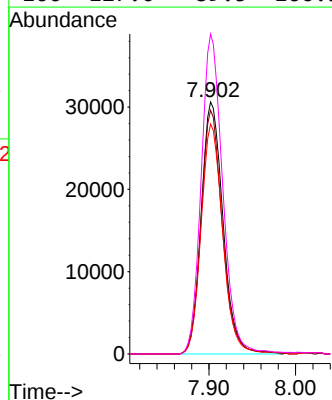
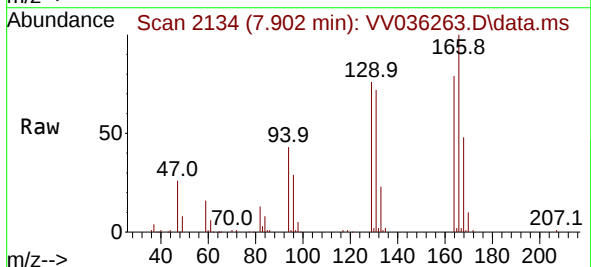
Manual Integrations  
APPROVED

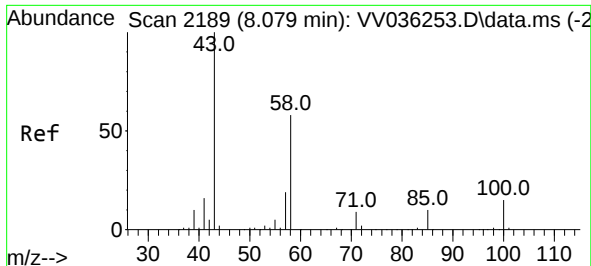
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#46  
Tetrachloroethene  
Concen: 11.878 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

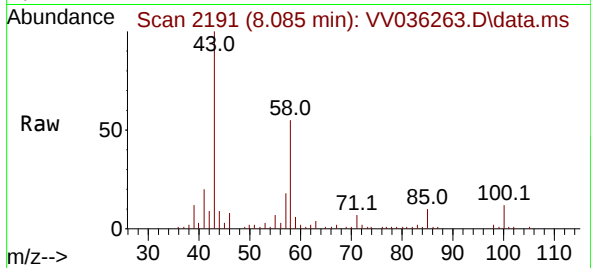
|             |             |
|-------------|-------------|
| Tgt Ion:164 | Resp: 53612 |
| Ion Ratio   | Lower Upper |
| 164 100     |             |
| 129 96.7    | 64.6 120.0  |
| 131 91.2    | 63.2 117.4  |
| 166 127.0   | 89.5 166.3  |





#48  
2-Hexanone  
Concen: 16.842 ug/L  
RT: 8.085 min Scan# 2189  
Delta R.T. 0.006 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

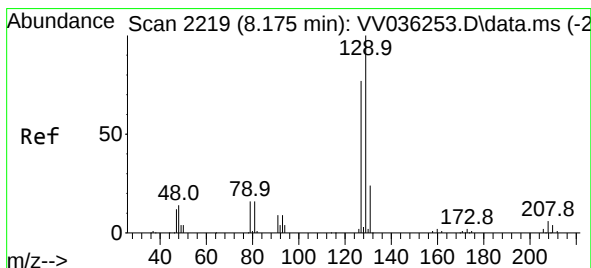
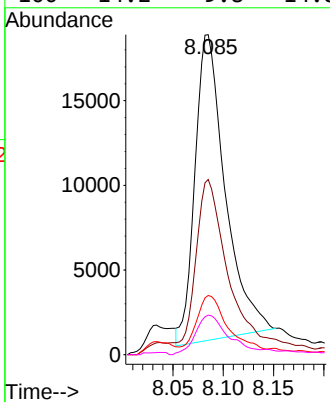
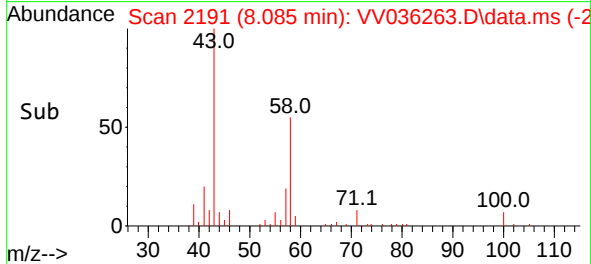
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 37824 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 58.3     | 45.4 68.0   |
| 57 18.2     | 15.8 23.8   |
| 100 14.2    | 9.8 14.8    |

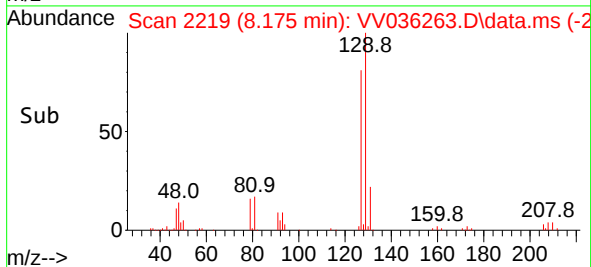
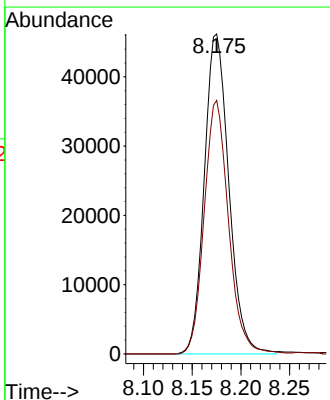
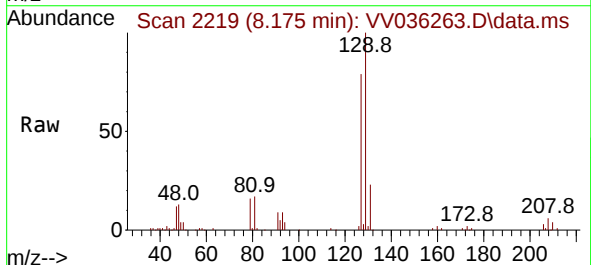
Manual Integrations  
APPROVED

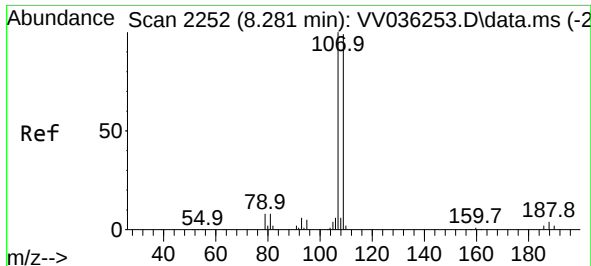
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#49  
Dibromochloromethane  
Concen: 16.913 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 80981 |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 79.3  | 53.9  | 100.1 |





#50

1,2-Dibromoethane

Concen: 15.168 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036263.D

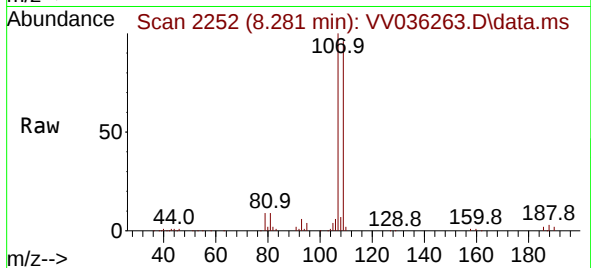
Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

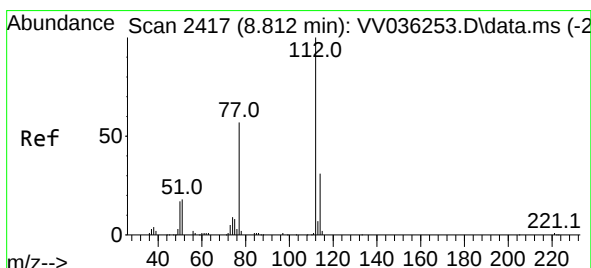
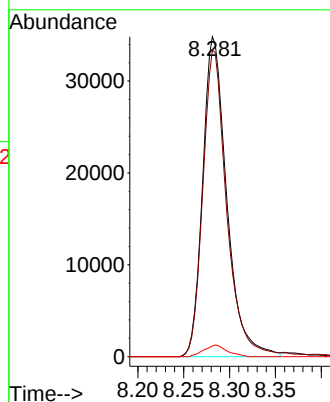
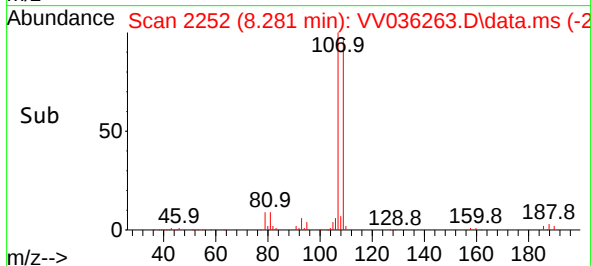


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 6367  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 95.8  | 66.1  | 122.7 |
| 188      | 3.4   | 3.0   | 4.6   |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#51

Chlorobenzene

Concen: 12.737 ug/L

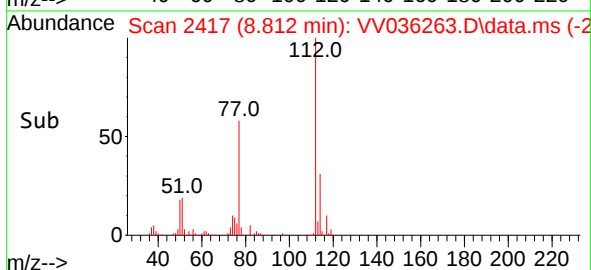
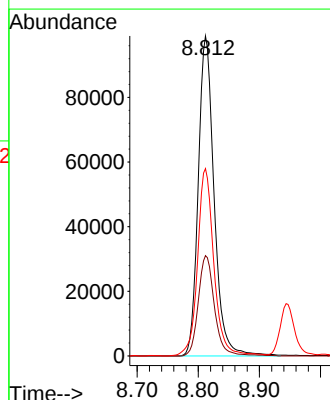
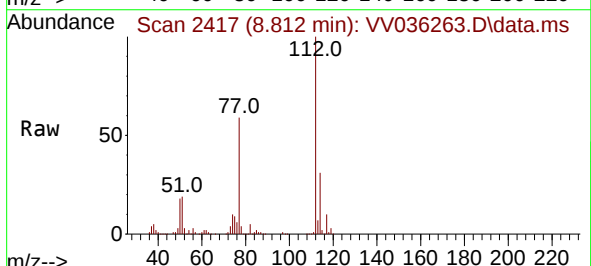
RT: 8.812 min Scan# 2417

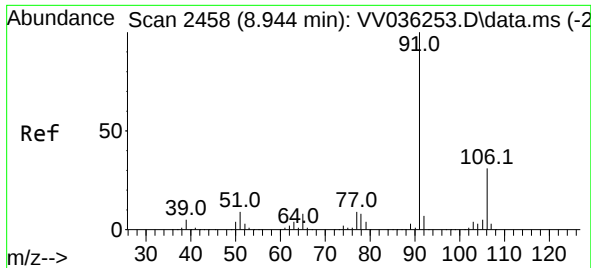
Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

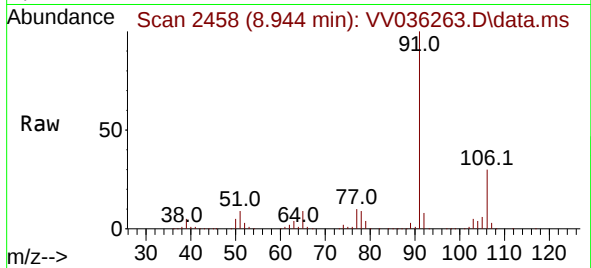
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 178565 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.4  | 22.3  | 41.5   |
| 77       | 58.6  | 47.3  | 70.9   |





#52  
Ethylbenzene  
Concen: 12.017 ug/L  
RT: 8.944 min Scan# 2458  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

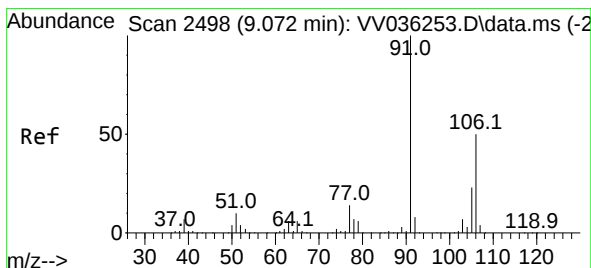
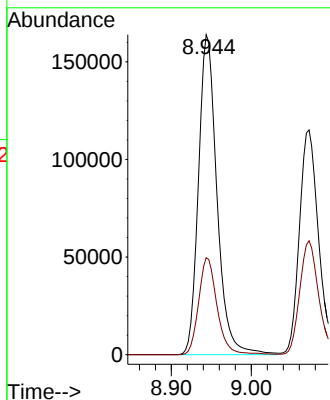
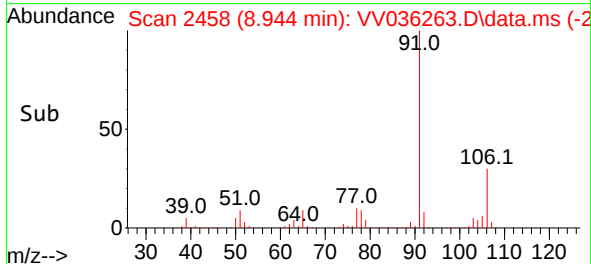
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



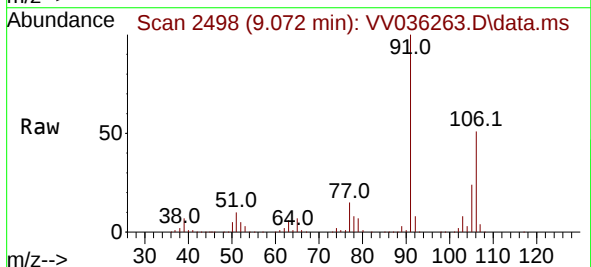
Tgt Ion: 91 Resp: 264550  
Ion Ratio Lower Upper  
91 100  
106 30.3 21.6 40.0

Manual Integrations  
APPROVED

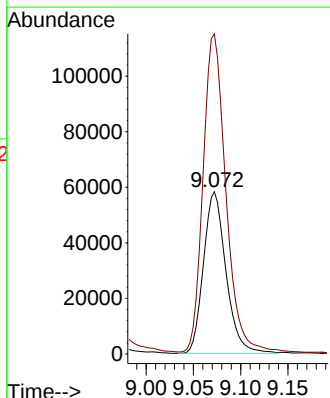
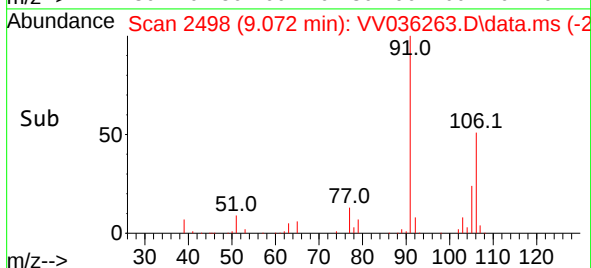
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024

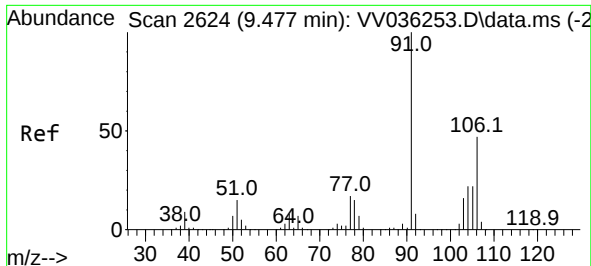


#53  
m,p-Xylene  
Concen: 11.607 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17



Tgt Ion:106 Resp: 96007  
Ion Ratio Lower Upper  
106 100  
91 197.3 143.1 265.9





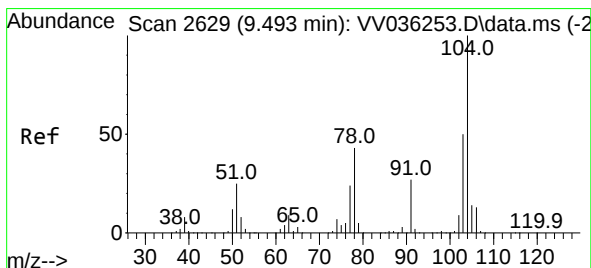
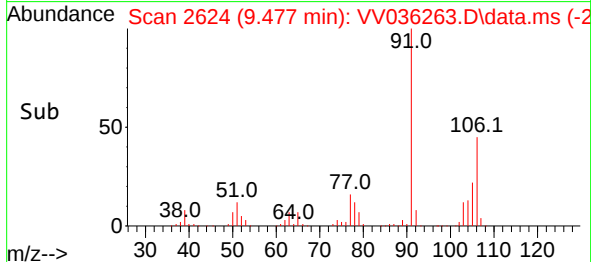
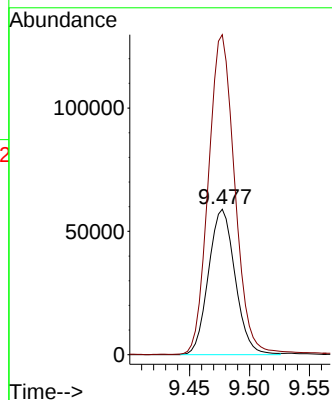
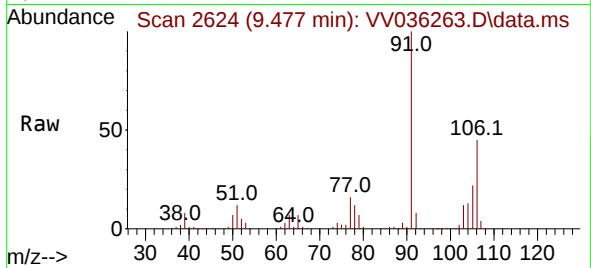
#54  
o-Xylene  
Concen: 11.671 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

Tgt Ion:106 Resp: 9104  
Ion Ratio Lower Upper  
106 100  
91 220.0 154.5 286.9

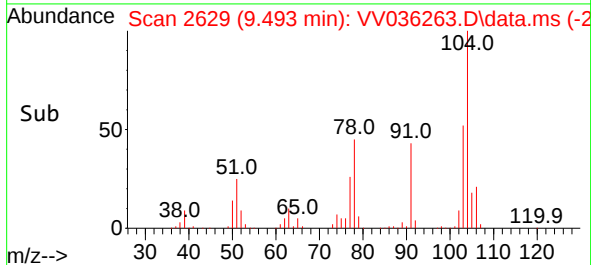
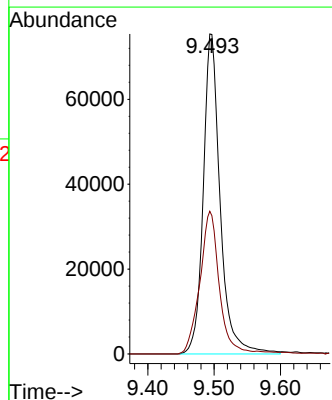
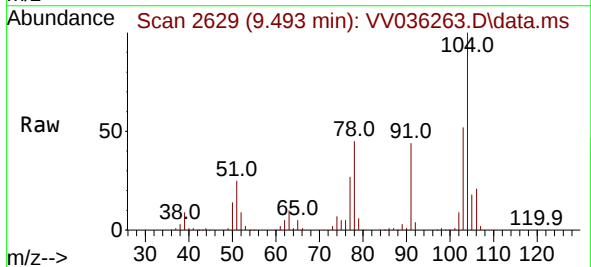
Manual Integrations  
APPROVED

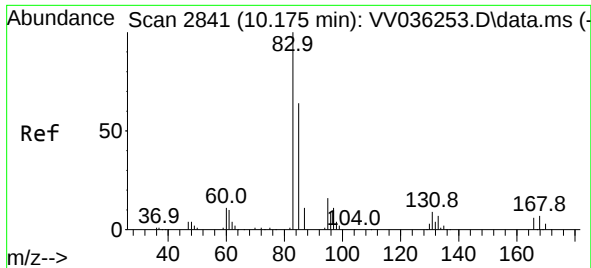
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#55  
Styrene  
Concen: 9.723 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

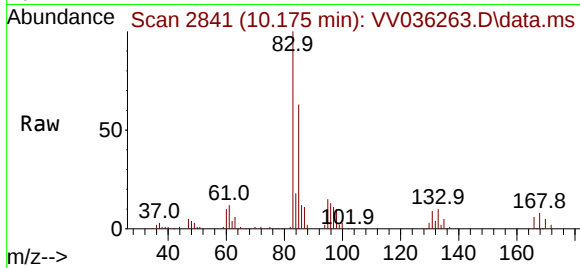
Tgt Ion:104 Resp: 133743  
Ion Ratio Lower Upper  
104 100  
78 44.6 31.4 58.2





#57  
1,1,2,2-Tetrachloroethane  
Concen: 16.101 ug/L  
RT: 10.175 min Scan# 2841  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

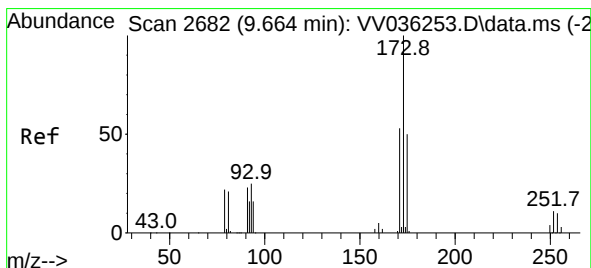
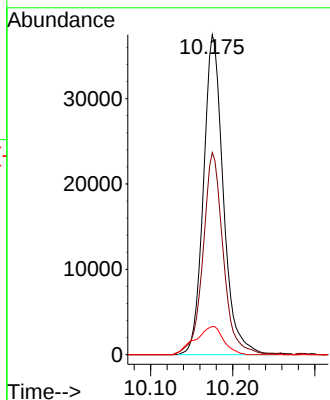
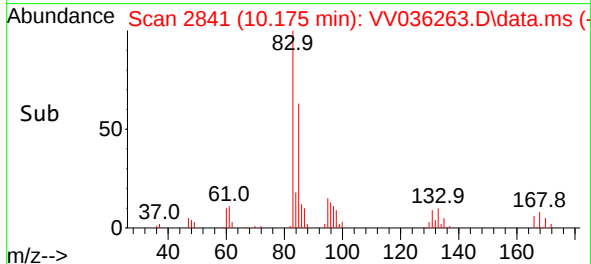
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS



Tgt Ion: 83 Resp: 63072  
Ion Ratio Lower Upper  
83 100  
85 63.1 45.1 83.7  
131 8.8 7.6 11.4

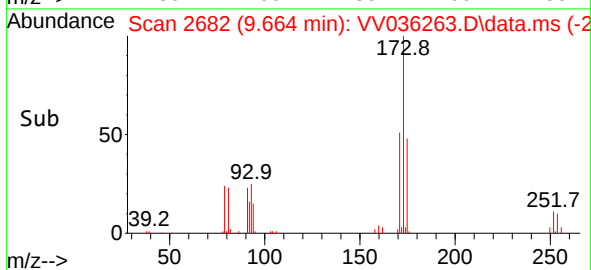
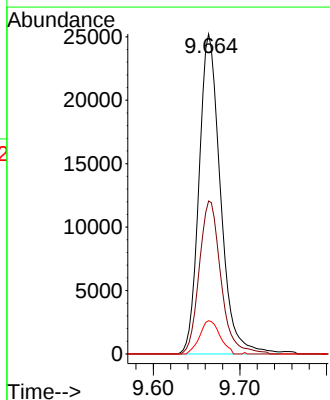
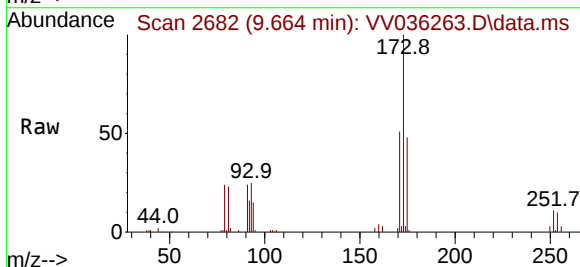
Manual Integrations  
APPROVED

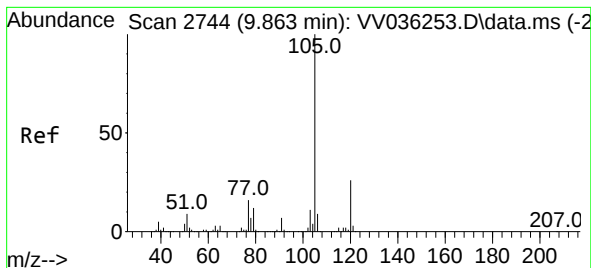
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#59  
Bromoform  
Concen: 27.907 ug/L  
RT: 9.664 min Scan# 2682  
Delta R.T. 0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Tgt Ion:173 Resp: 43311  
Ion Ratio Lower Upper  
173 100  
175 48.3 39.0 58.6  
254 9.8 8.6 13.0





#60

Isopropylbenzene

Concen: 18.296 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

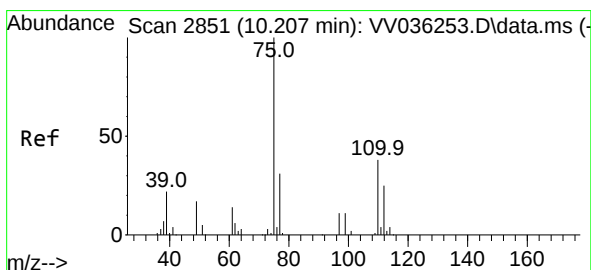
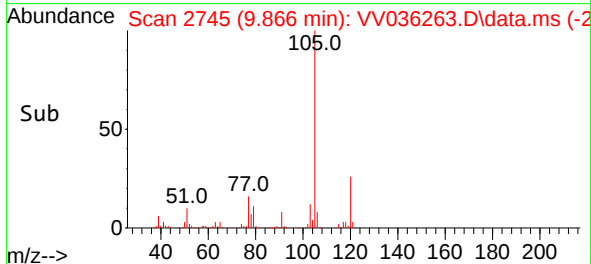
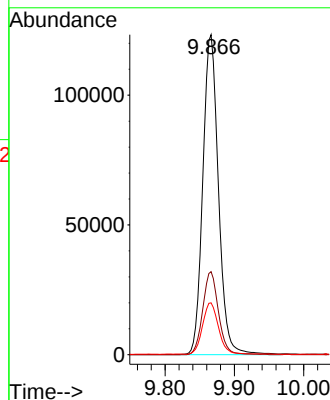
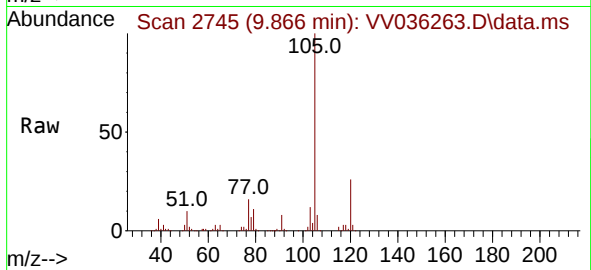
A4CG2MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 19316 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.8  | 21.0  | 31.6  |
| 77        | 16.2  | 12.6  | 18.8  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#61

1,2,3-Trichloropropane

Concen: 29.550 ug/L

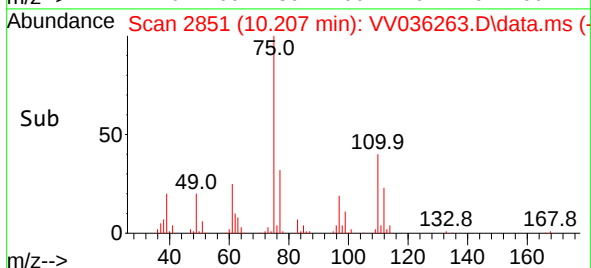
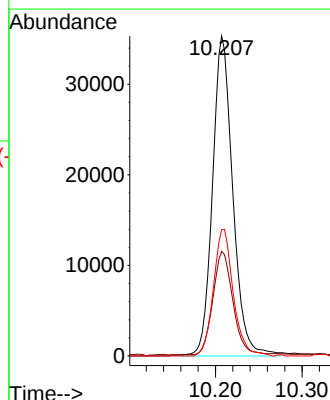
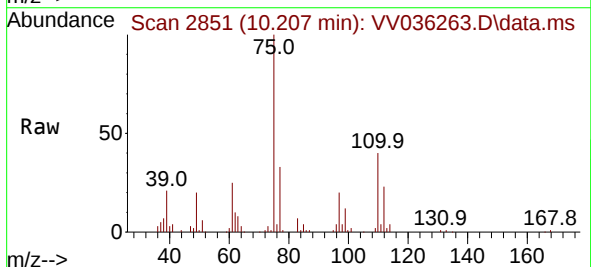
RT: 10.207 min Scan# 2851

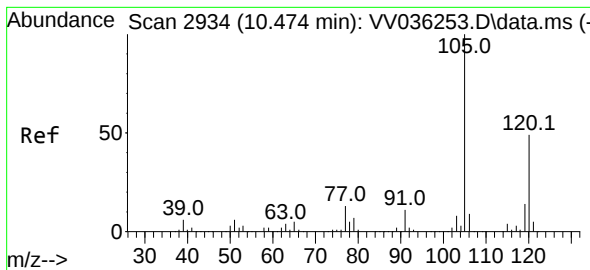
Delta R.T. 0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 57513 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 31.3  | 26.0  | 39.0  |
| 110       | 38.7  | 32.2  | 48.4  |





#62

1,3,5-Trimethylbenzene

Concen: 13.552 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. -0.000 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

Tgt Ion:105 Resp: 10375

Ion Ratio Lower Upper

105 100

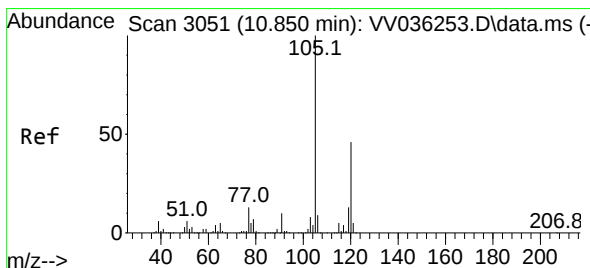
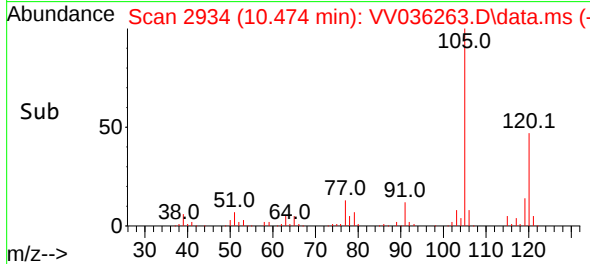
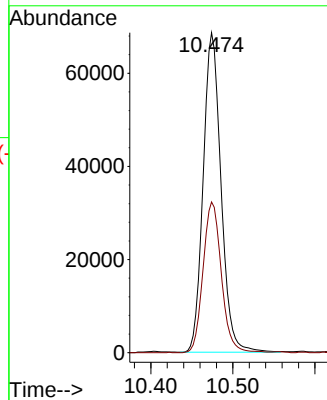
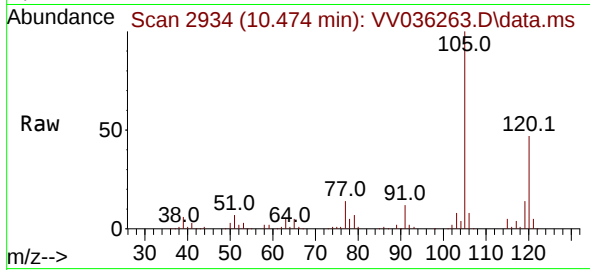
120 48.4 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#63

1,2,4-Trimethylbenzene

Concen: 13.082 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036263.D

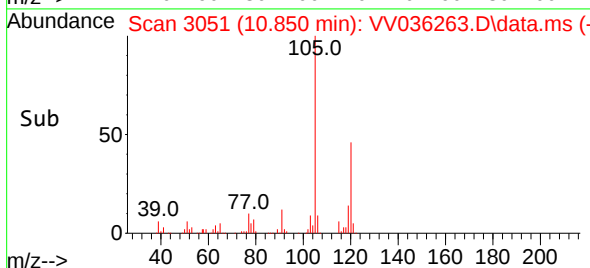
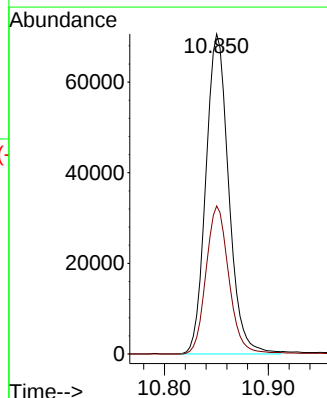
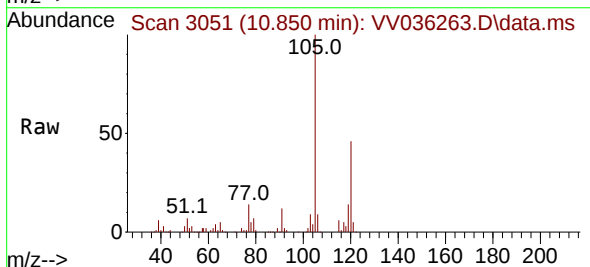
Acq: 24 Jun 2024 23:17

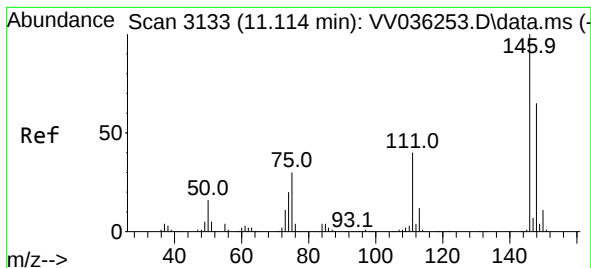
Tgt Ion:105 Resp: 107911

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 12.703 ug/L

RT: 11.117 min Scan# 3117

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS

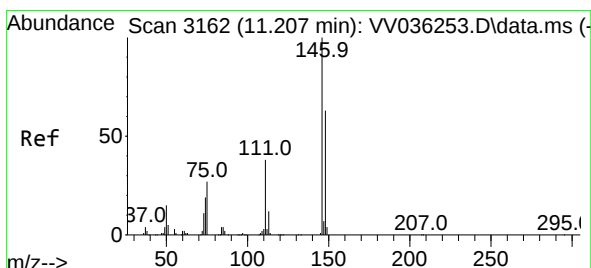
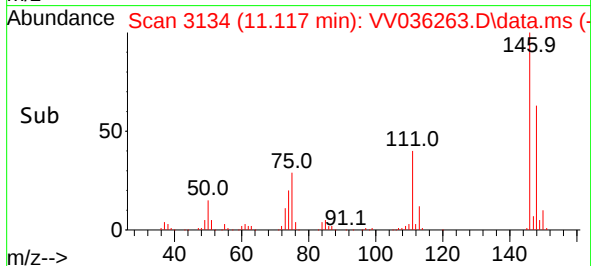
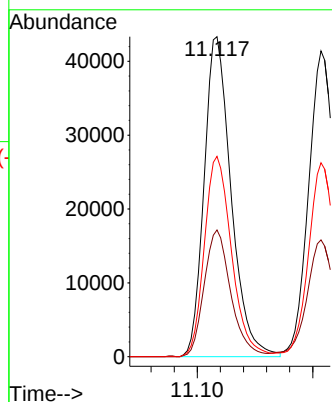
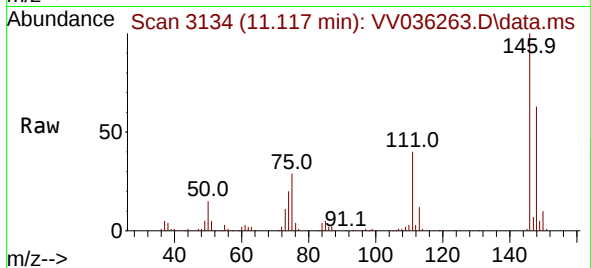
Tgt Ion:146 Resp: 70434

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 39.6  | 28.1  | 52.1  |
| 148 | 62.6  | 44.7  | 83.1  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#65

1,4-Dichlorobenzene

Concen: 12.237 ug/L

RT: 11.207 min Scan# 3162

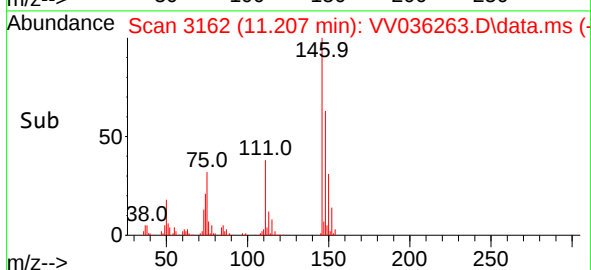
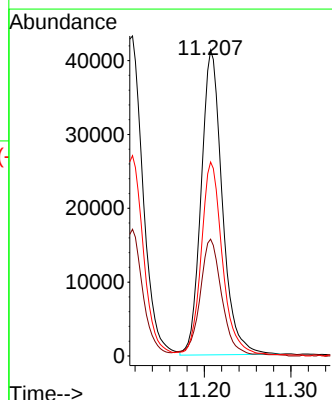
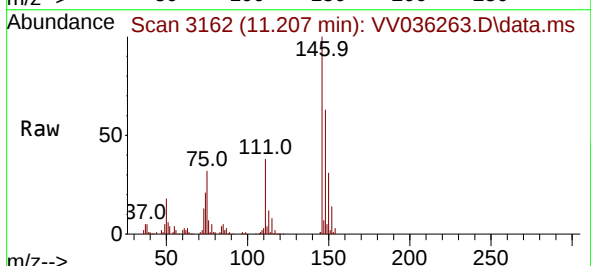
Delta R.T. 0.000 min

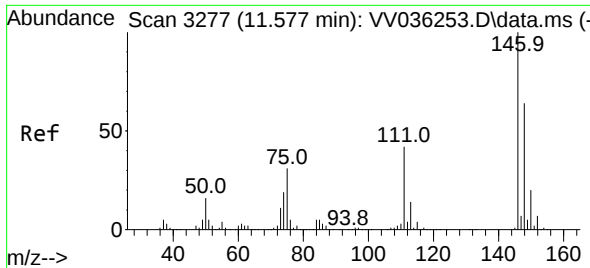
Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Tgt Ion:146 Resp: 70034

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 38.2  | 26.9  | 50.1  |
| 148 | 63.4  | 44.5  | 82.7  |





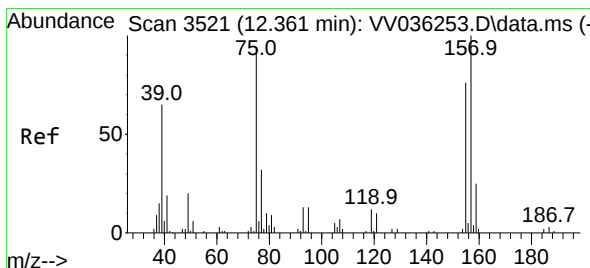
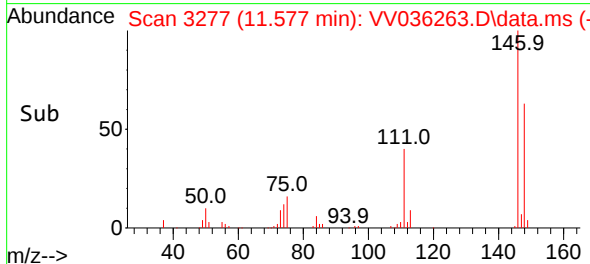
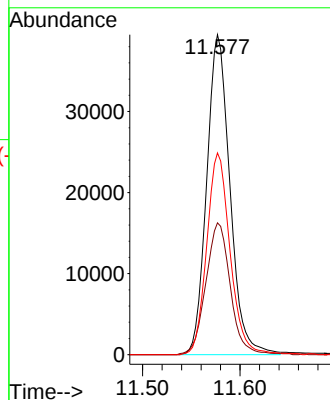
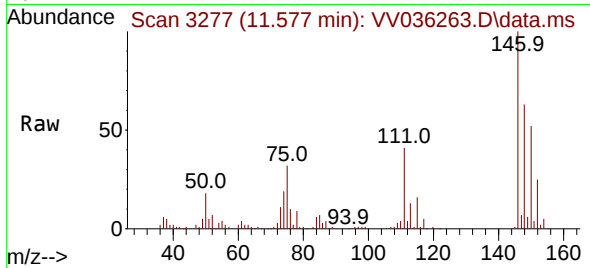
#67  
1,2-Dichlorobenzene  
Concen: 12.556 ug/L  
RT: 11.577 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CG2MS

Tgt Ion:146 Resp: 65514  
Ion Ratio Lower Upper  
146 100  
111 41.2 33.5 50.3  
148 63.1 50.9 76.3

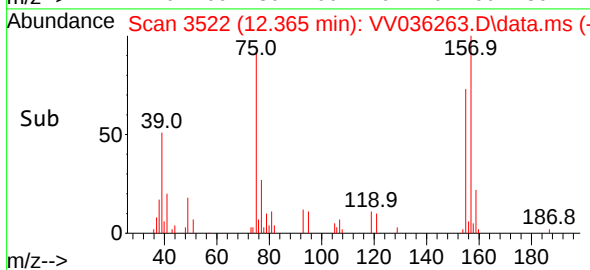
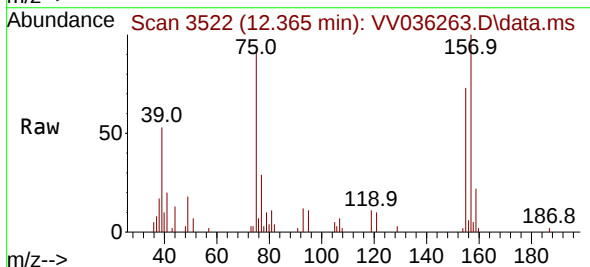
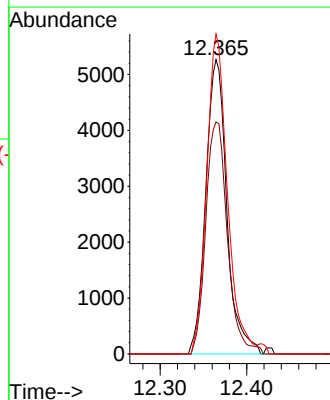
Manual Integrations  
APPROVED

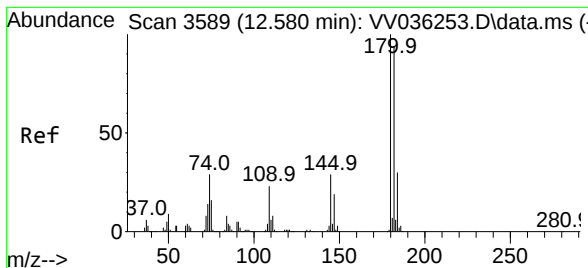
Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#68  
1,2-Dibromo-3-chloropropane  
Concen: 20.550 ug/L  
RT: 12.365 min Scan# 3522  
Delta R.T. 0.003 min  
Lab File: VV036263.D  
Acq: 24 Jun 2024 23:17

Tgt Ion: 75 Resp: 8944  
Ion Ratio Lower Upper  
75 100  
155 78.8 63.3 94.9  
157 108.7 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 5.892 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.003 min

Lab File: VV036263.D

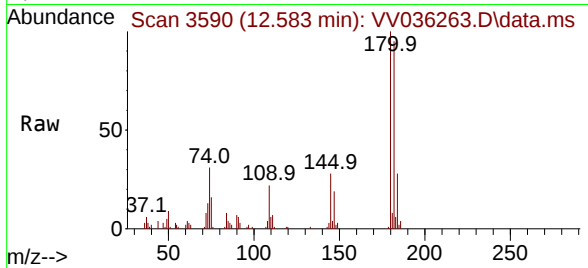
Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

A4CG2MS



Tgt Ion:180 Resp: 2443

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 28.8 24.2 36.2

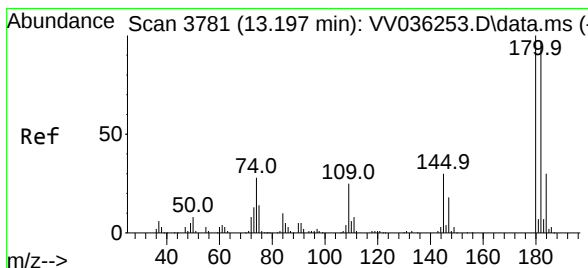
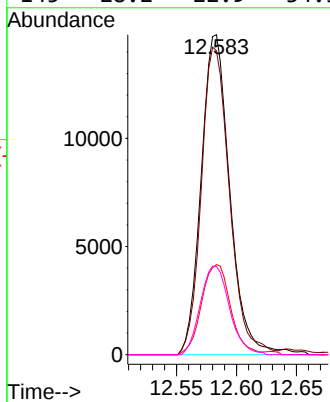
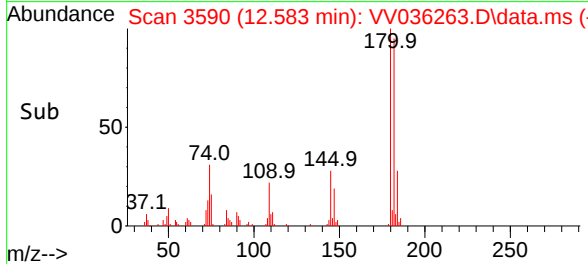
145 28.2 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024

Supervised By :Semsettin Yesilyurt 06/26/2024



#70

1,2,4-trichlorobenzene

Concen: 4.129 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

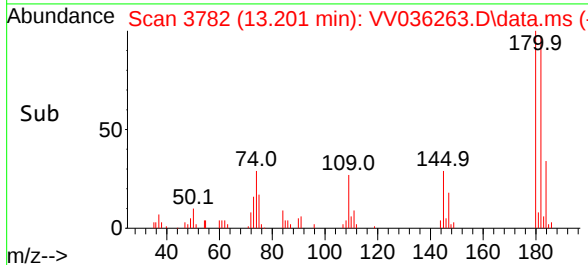
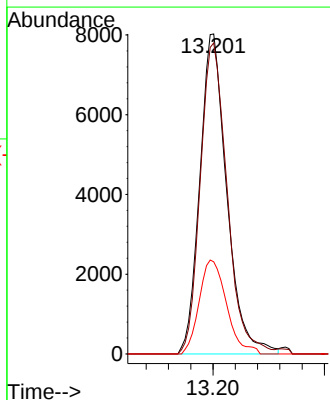
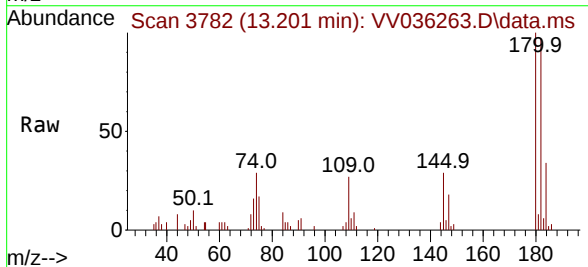
Tgt Ion:180 Resp: 13485

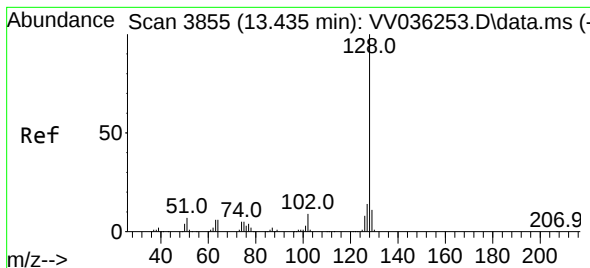
Ion Ratio Lower Upper

180 100

182 96.7 76.1 114.1

145 29.8 23.5 35.3





#71

Naphthalene

Concen: 5.459 ug/L

RT: 13.442 min Scan# 3855

Delta R.T. 0.006 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

Instrument :

MSVOA\_V

ClientSampleId :

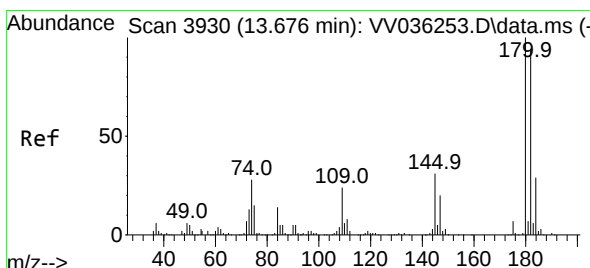
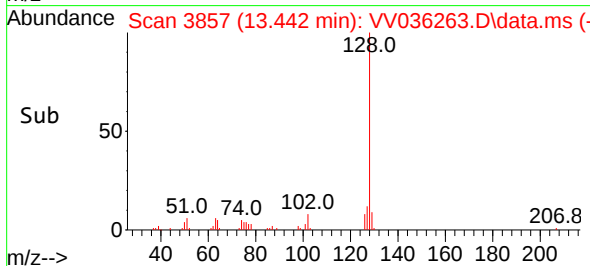
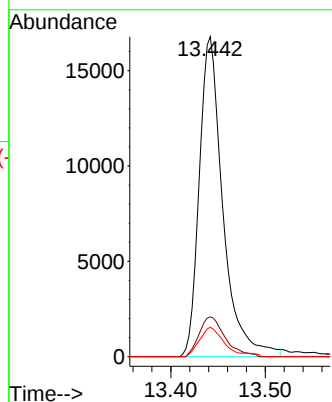
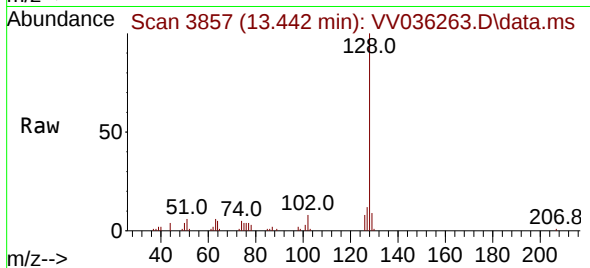
A4CG2MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 2909 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 13.6  | 10.6  | 16.0 |
| 129       | 9.8   | 8.8   | 13.2 |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024  
Supervised By :Semsettin Yesilyurt 06/26/2024



#72

1,2,3-Trichlorobenzene

Concen: 3.701 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV036263.D

Acq: 24 Jun 2024 23:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 11028 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.4  | 75.1  | 112.7 |
| 145       | 32.4  | 25.2  | 37.8  |

