

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011624\  
 Data File : VL040984.D  
 Acq On : 16 Jan 2024 12:56  
 Operator : SY/MD  
 Sample : VL0116ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

Quant Time: Jan 17 00:24:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 2

QLast Update : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.201  | 49   | 1076069  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.668  | 114  | 2957945  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.481 | 117  | 2928687  | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2142353 9.931 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

#### Target Compounds

|                               |       |     |         |        |      | Qvalue |
|-------------------------------|-------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.729 | 85  | 2260955 | 11.031 | ppbv | 99     |
| 3) Chlorodifluoromethane      | 2.671 | 51  | 1743443 | 10.766 | ppbv | 99     |
| 4) Chloromethane              | 2.809 | 50  | 651457  | 10.911 | ppbv | 94     |
| 5) Vinyl Chloride             | 2.922 | 62  | 644755  | 11.187 | ppbv | 97     |
| 6) Bromomethane               | 3.118 | 94  | 276634  | 10.819 | ppbv | 98     |
| 7) Chloroethane               | 3.198 | 64  | 232031  | 11.292 | ppbv | 95     |
| 8) Dichlorotetrafluoroethane  | 2.854 | 85  | 1676791 | 11.354 | ppbv | 98     |
| 9) Propene                    | 2.693 | 41  | 570622  | 10.680 | ppbv | 98     |
| 10) Heptane                   | 7.594 | 43  | 1471051 | 11.076 | ppbv | 99     |
| 11) Trichlorofluoromethane    | 3.565 | 101 | 1837066 | 11.464 | ppbv | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 4.073 | 101 | 1318353 | 10.594 | ppbv | 98     |
| 13) Ethanol                   | 3.240 | 45  | 110266  | 8.180  | ppbv | 94     |
| 14) Bromoethene               | 3.369 | 108 | 527935  | 11.575 | ppbv | 99     |
| 15) Acetone                   | 3.472 | 43  | 1255327 | 9.727  | ppbv | 98     |
| 16) 1,3-Butadiene             | 2.983 | 39  | 624276  | 11.234 | ppbv | 99     |
| 17) tert-Butyl alcohol        | 3.883 | 59  | 1164795 | 12.201 | ppbv | 98     |
| 18) 1,1-Dichloroethene        | 3.886 | 96  | 586487  | 11.415 | ppbv | 93     |
| 19) Isopropyl Alcohol         | 3.578 | 45  | 765704  | 11.370 | ppbv | 100    |
| 20) Methylene Chloride        | 3.938 | 84  | 500462  | 10.879 | ppbv | 98     |
| 21) Allyl Chloride            | 4.002 | 41  | 842818  | 11.048 | ppbv | 99     |
| 22) trans-1,2-Dichloroethene  | 4.452 | 96  | 627793  | 10.716 | ppbv | 94     |
| 23) Vinyl Acetate             | 4.632 | 43  | 1412275 | 9.920  | ppbv | 98     |
| 24) 1,1-Dichloroethane        | 4.571 | 63  | 1240596 | 9.741  | ppbv | 100    |
| 25) Ethyl Acetate             | 5.214 | 43  | 2289254 | 10.237 | ppbv | 99     |
| 26) Hexane                    | 5.221 | 57  | 987416  | 9.963  | ppbv | 99     |
| 27) Carbon Disulfide          | 4.131 | 76  | 1462365 | 10.903 | ppbv | 97     |
| 28) Methyl tert-Butyl Ether   | 4.594 | 73  | 895566  | 9.738  | ppbv | 99     |
| 29) Chloroform                | 5.285 | 83  | 1773145 | 10.602 | ppbv | 98     |
| 30) Cyclohexane               | 6.613 | 84  | 918779  | 11.120 | ppbv | 99     |
| 31) cis-1,2-Dichloroethene    | 5.089 | 61  | 947487  | 9.307  | ppbv | 96     |
| 32) 1,1,1-Trichloroethane     | 6.015 | 97  | 1822442 | 11.271 | ppbv | 99     |
| 34) 2-Butanone                | 4.793 | 43  | 1398360 | 8.937  | ppbv | 100    |
| 35) Carbon Tetrachloride      | 6.507 | 117 | 1932196 | 10.431 | ppbv | 98     |
| 36) Benzene                   | 6.381 | 78  | 2299437 | 9.944  | ppbv | 100    |
| 37) 1,2-Dichloroethane        | 5.819 | 62  | 1415046 | 10.213 | ppbv | 99     |
| 38) Trichloroethene           | 7.307 | 130 | 897973  | 10.340 | ppbv | 97     |
| 39) 1,2-Dichloropropane       | 7.086 | 63  | 903476  | 9.943  | ppbv | 96     |
| 40) 1,4-Dioxane               | 7.301 | 88  | 357319  | 9.313  | ppbv | 97     |
| 41) Tetrahydrofuran           | 5.568 | 42  | 938181  | 9.855  | ppbv | 98     |
| 42) Bromodichloromethane      | 7.266 | 83  | 2025303 | 10.135 | ppbv | 98     |
| 43) Methyl Methacrylate       | 7.487 | 69  | 945333  | 10.423 | ppbv | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.343 | 57  | 3807931 | 9.695  | ppbv | 99     |
| 45) t-1,3-Dichloropropene     | 8.725 | 75  | 735249  | 10.926 | ppbv | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011624\  
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 Acq On : 16 Jan 2024 12:56  
 Operator : SY/MD  
 Sample : VL0116ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

Quant Time: Jan 17 00:24:45 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 2

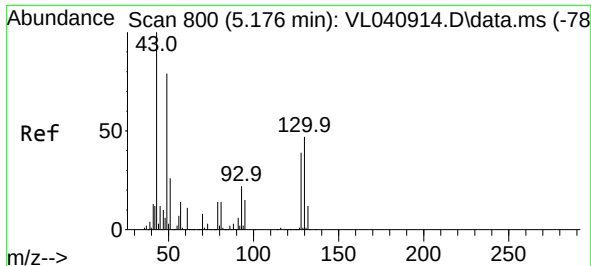
QLast Update : Wed Jan 17 00:20:56 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.156  | 75   | 886086   | 10.636 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 8.912  | 97   | 963323   | 9.994  | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.729  | 129  | 1712142  | 10.406 | ppbv   | 98       |
| 49) Bromoform                 | 12.426 | 173  | 1361202  | 10.722 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.195  | 43   | 2438249  | 10.289 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.565  | 43   | 1782791  | 10.452 | ppbv # | 100      |
| 52) Tetrachloroethene         | 10.632 | 164  | 778521   | 9.995  | ppbv   | 99       |
| 53) Toluene                   | 9.237  | 91   | 2599937  | 10.140 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.024 | 107  | 1369182  | 10.351 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 11.529 | 131  | 1229869  | 9.603  | ppbv   | 98       |
| 57) Chlorobenzene             | 11.545 | 112  | 2022379  | 9.377  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.105 | 91   | 3545043  | 9.424  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.388 | 91   | 6057007m | 18.930 | ppbv   |          |
| 60) o-Xylene                  | 13.076 | 91   | 2887281  | 9.577  | ppbv   | 99       |
| 61) Styrene                   | 12.915 | 104  | 1461874  | 10.201 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.047 | 105  | 4171779  | 9.331  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.066 | 83   | 2082660  | 9.589  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.931 | 120  | 1075893  | 9.594  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.111 | 119  | 3633710  | 9.562  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.346 | 91   | 193092   | 7.425  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 16.654 | 105  | 5129049  | 9.287  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.011 | 119  | 4099792  | 9.551  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.902 | 91   | 4343795  | 9.747  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 3262428  | 9.476  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.207 | 105  | 3297989  | 9.967  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.368 | 105  | 2798828  | 9.800  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.124 | 105  | 3074473  | 9.673  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.346 | 146  | 1741308  | 9.592  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.490 | 146  | 1680640  | 9.463  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.156 | 146  | 1648318  | 9.424  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.654 | 225  | 875583   | 8.140  | ppbv   | 99       |
| 79) Naphthalene               | 21.403 | 128  | 1935847  | 12.641 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.394 | 142  | 354673   | 12.671 | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene    | 21.162 | 180  | 985886   | 11.214 | ppbv   | 98       |

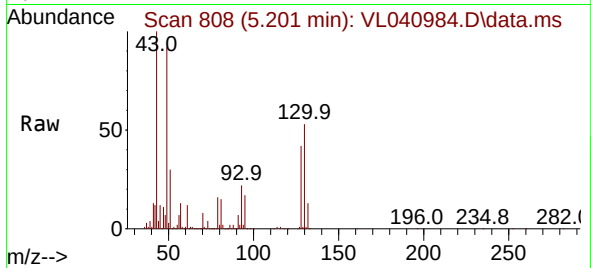
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.201 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

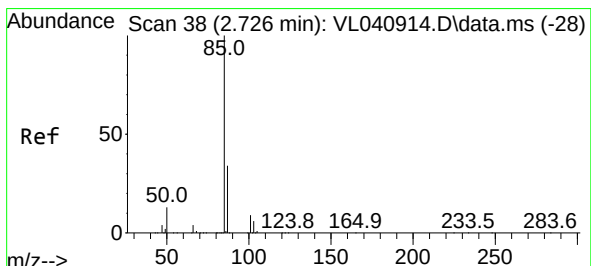
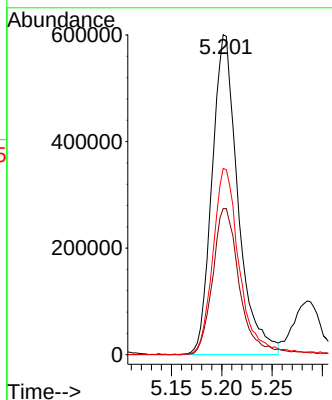
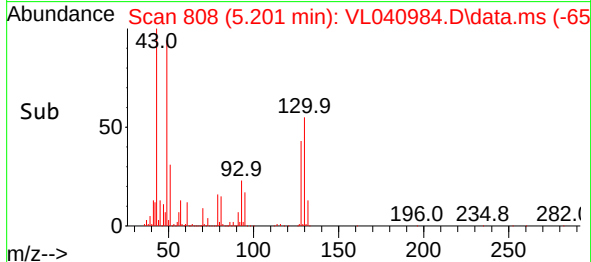
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



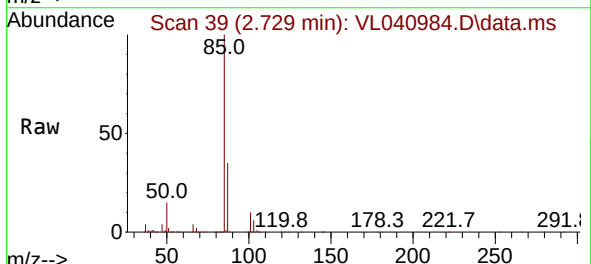
Tgt Ion: 49 Resp: 1076069  
Ion Ratio Lower Upper  
49 100  
128 48.3 23.8 71.2  
130 61.0 30.1 90.5

Manual Integrations  
APPROVED

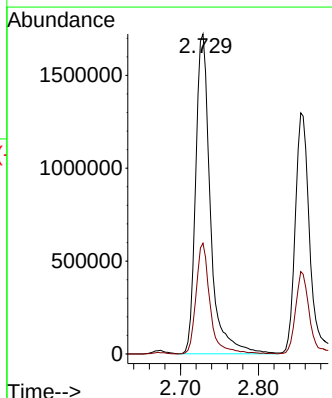
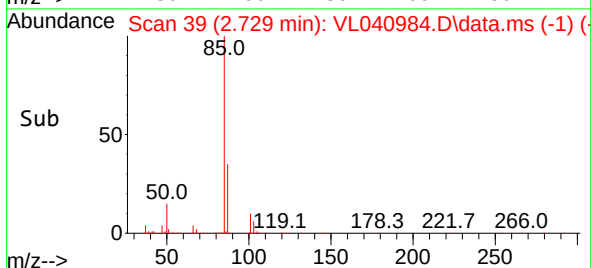
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

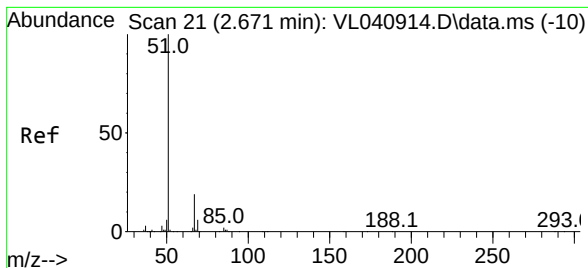


#2  
Dichlorodifluoromethane  
Concen: 11.031 ppbv  
RT: 2.729 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



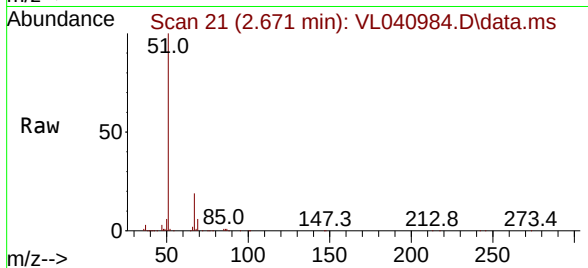
Tgt Ion: 85 Resp: 2260955  
Ion Ratio Lower Upper  
85 100  
87 34.6 27.0 40.6





#3  
Chlorodifluoromethane  
Concen: 10.766 ppbv  
RT: 2.671 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

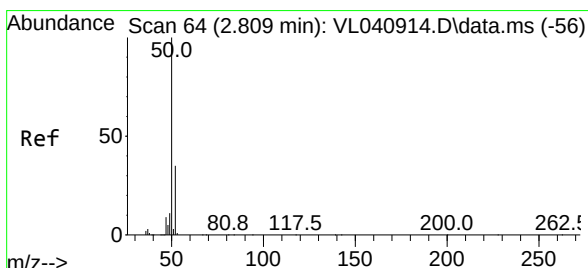
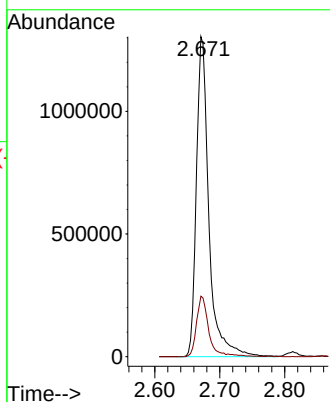
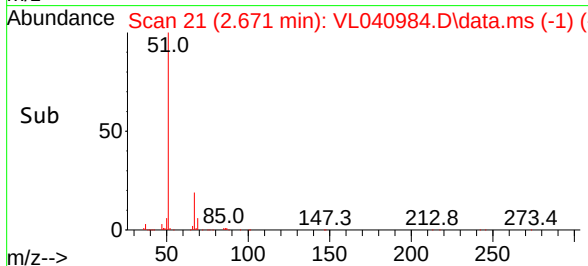
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



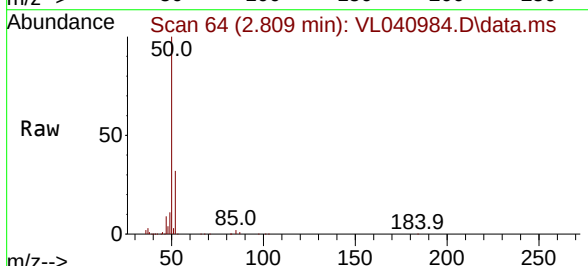
Tgt Ion: 51 Resp: 174344  
Ion Ratio Lower Upper  
51 100  
67 18.7 14.7 22.1

Manual Integrations  
APPROVED

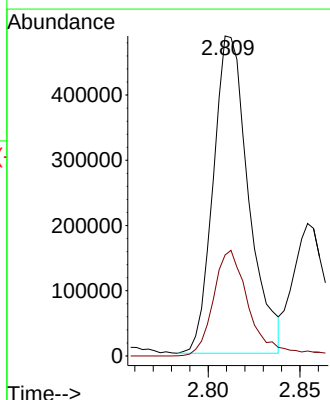
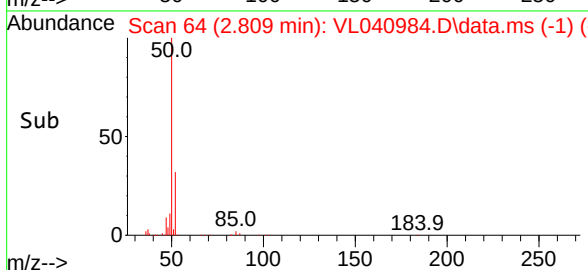
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

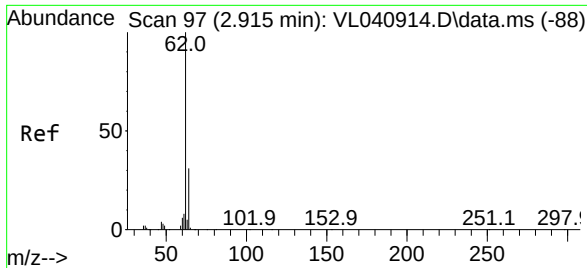


#4  
Chloromethane  
Concen: 10.911 ppbv  
RT: 2.809 min Scan# 64  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



Tgt Ion: 50 Resp: 651457  
Ion Ratio Lower Upper  
50 100  
52 31.8 28.0 42.0





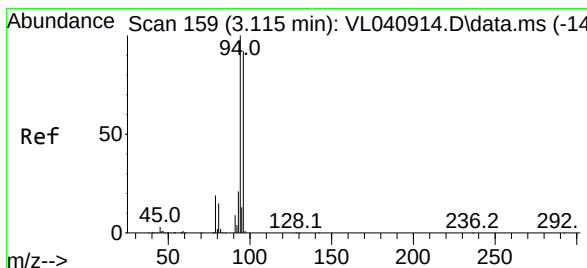
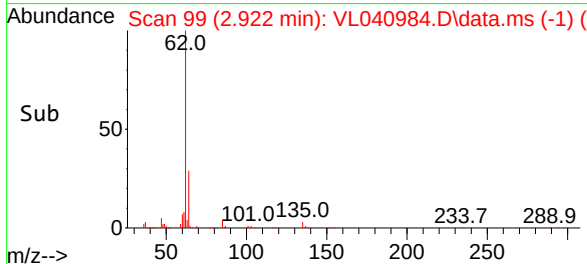
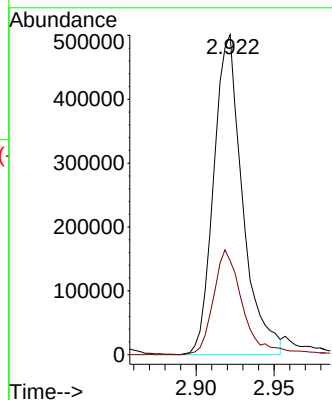
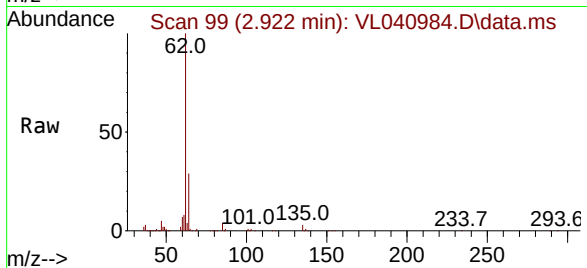
#5  
 Vinyl Chloride  
 Concen: 11.187 ppbv  
 RT: 2.922 min Scan# 99  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01

Tgt Ion: 62 Resp: 64475  
 Ion Ratio Lower Upper  
 62 100  
 64 29.4 24.9 37.3

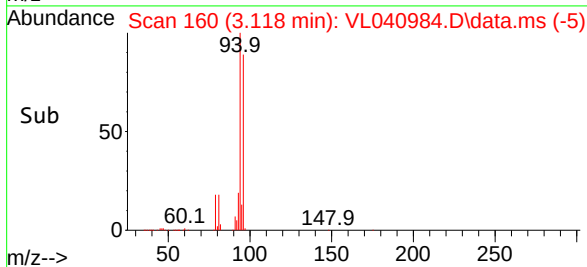
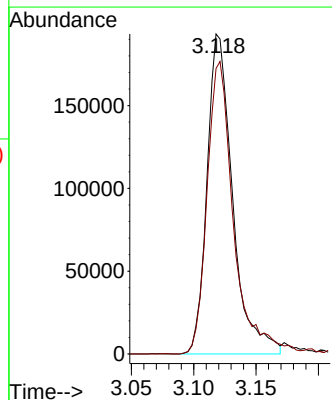
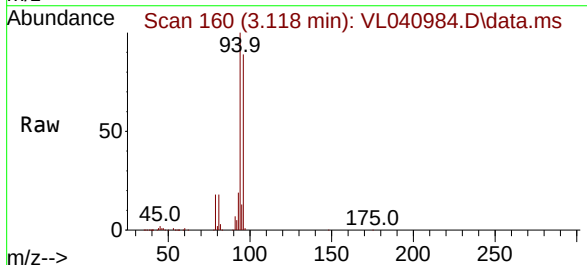
Manual Integrations  
 APPROVED

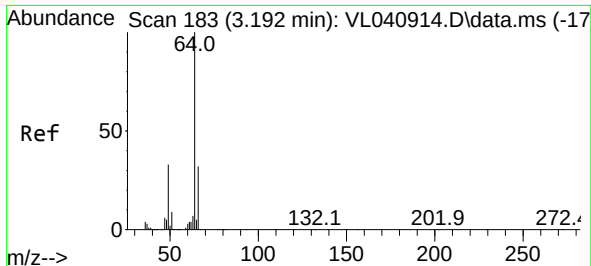
Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024



#6  
 Bromomethane  
 Concen: 10.819 ppbv  
 RT: 3.118 min Scan# 160  
 Delta R.T. -0.000 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

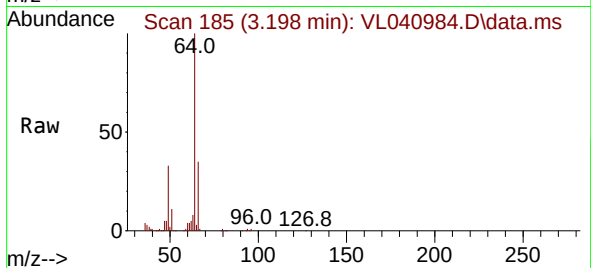
Tgt Ion: 94 Resp: 276634  
 Ion Ratio Lower Upper  
 94 100  
 96 89.2 73.2 109.8





#7  
Chloroethane  
Concen: 11.292 ppbv  
RT: 3.198 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

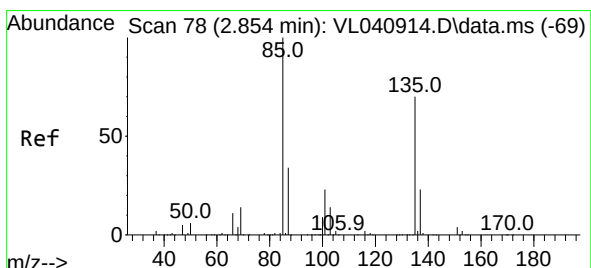
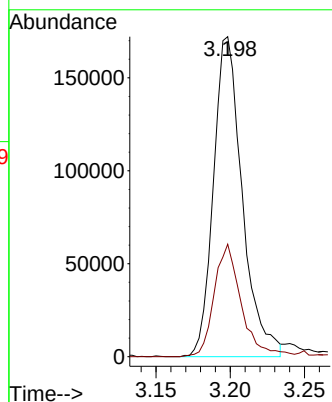
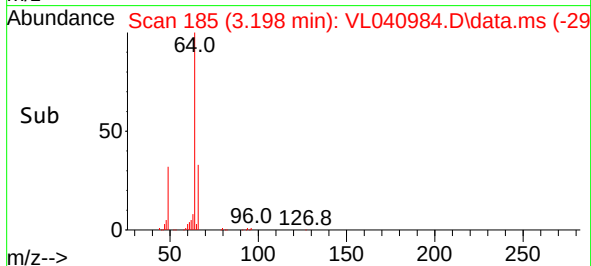
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



Tgt Ion: 64 Resp: 232033  
Ion Ratio Lower Upper  
64 100  
66 35.1 25.7 38.5

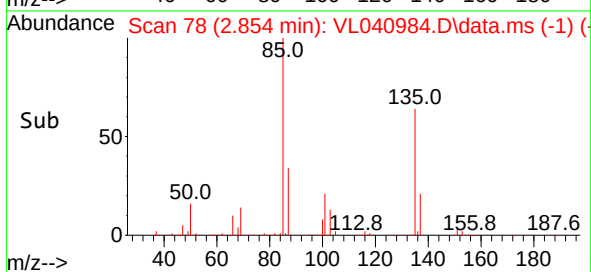
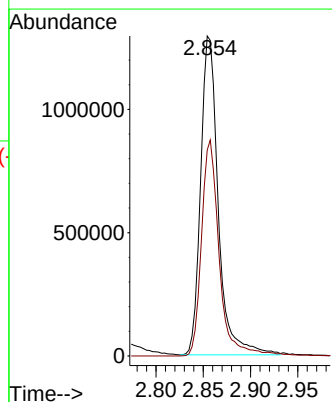
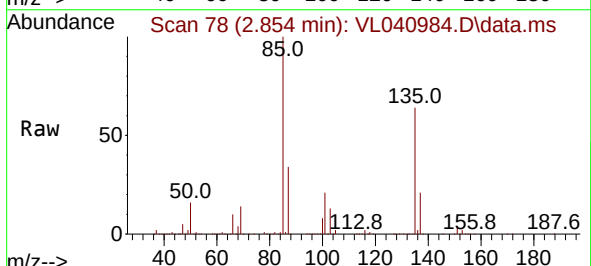
Manual Integrations  
APPROVED

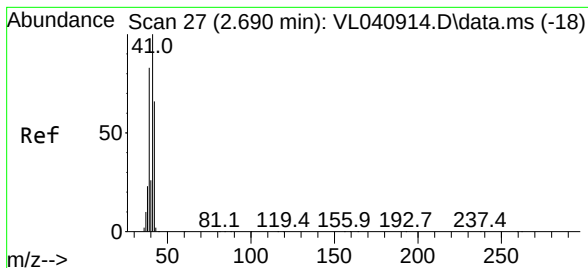
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#8  
Dichlorotetrafluoroethane  
Concen: 11.354 ppbv  
RT: 2.854 min Scan# 78  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

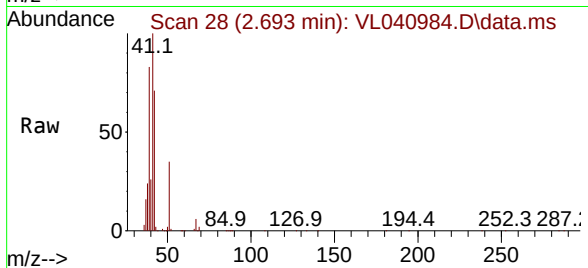
Tgt Ion: 85 Resp: 1676791  
Ion Ratio Lower Upper  
85 100  
135 68.6 55.8 83.8





#9  
 Propene  
 Concen: 10.680 ppbv  
 RT: 2.693 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

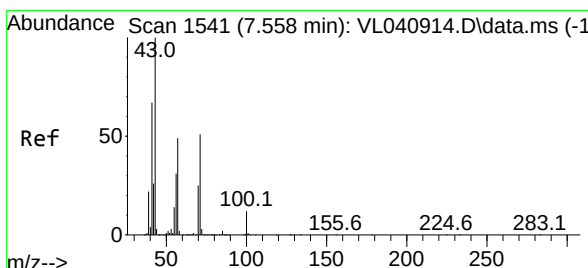
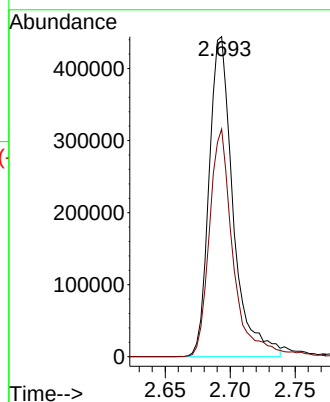
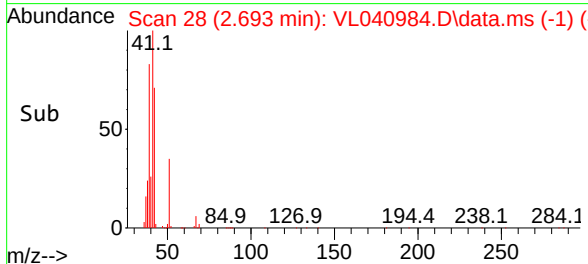
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01



Tgt Ion: 41 Resp: 57062  
 Ion Ratio Lower Upper  
 41 100  
 42 71.3 55.8 83.6

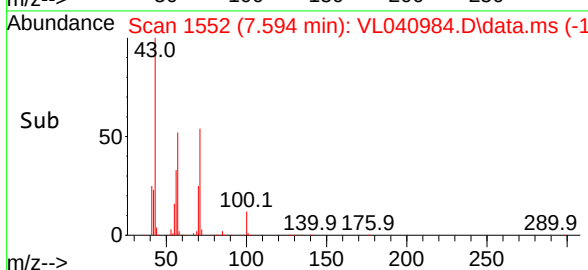
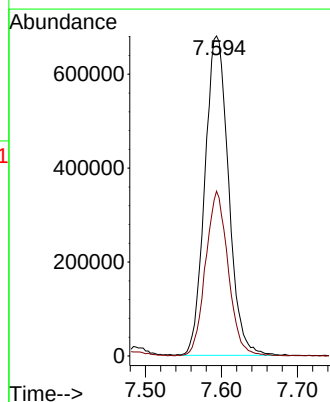
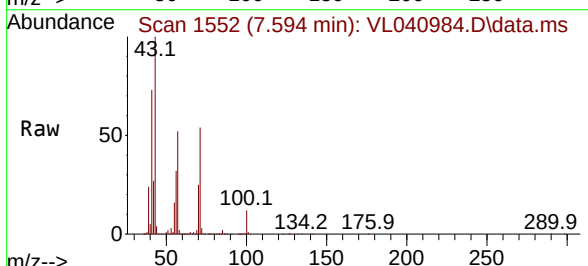
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

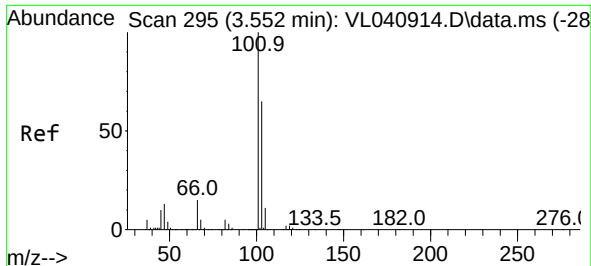


#10  
 Heptane  
 Concen: 11.076 ppbv  
 RT: 7.594 min Scan# 1552  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Tgt Ion: 43 Resp: 1471051  
 Ion Ratio Lower Upper  
 43 100  
 57 49.5 39.3 58.9

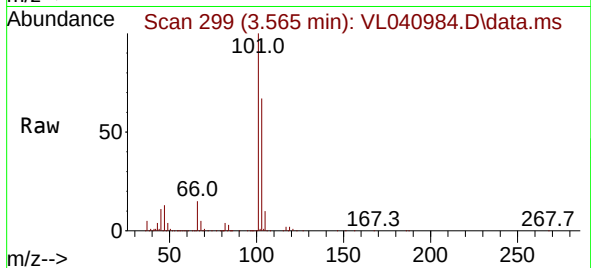






#11  
Trichlorofluoromethane  
Concen: 11.464 ppbv  
RT: 3.565 min Scan# 295  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

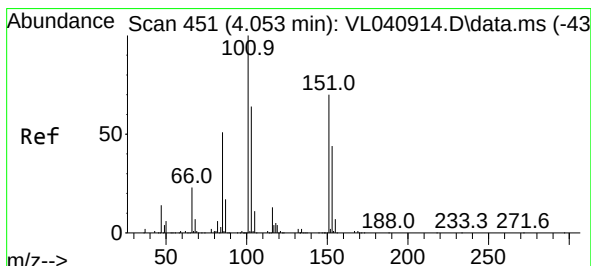
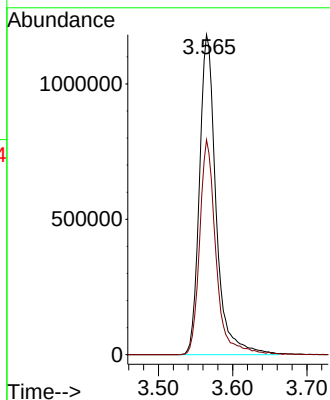
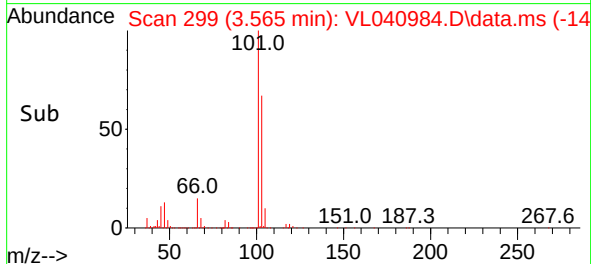
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



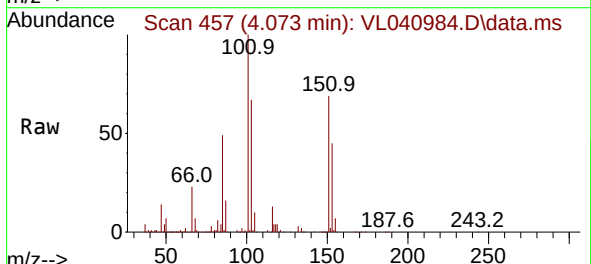
Tgt Ion:101 Resp: 1837060  
Ion Ratio Lower Upper  
101 100  
103 67.1 51.9 77.9

Manual Integrations  
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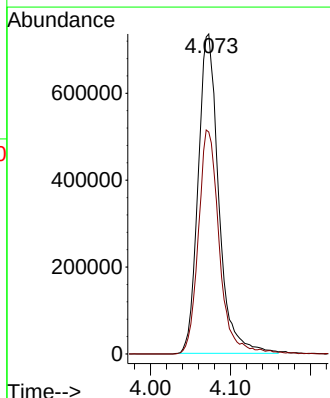
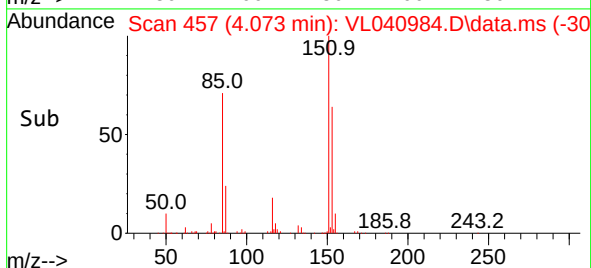
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

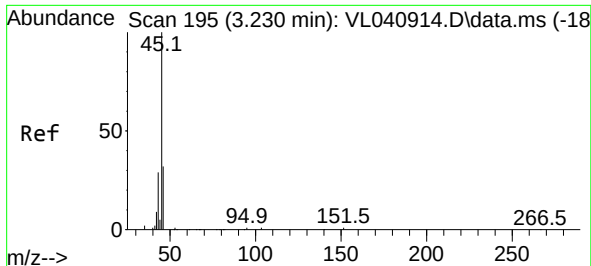


#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.594 ppbv  
RT: 4.073 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



Tgt Ion:101 Resp: 1318353  
Ion Ratio Lower Upper  
101 100  
151 71.7 55.8 83.8





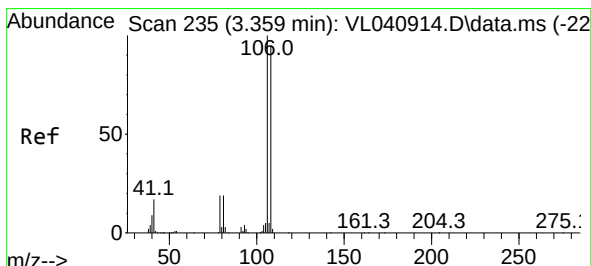
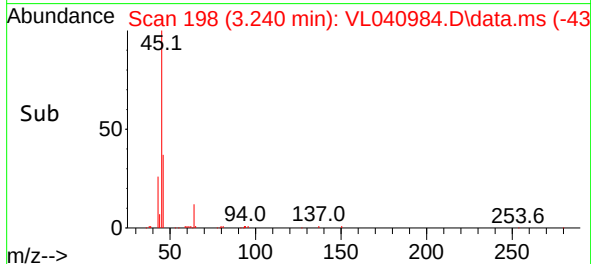
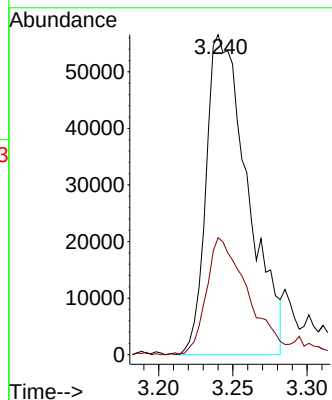
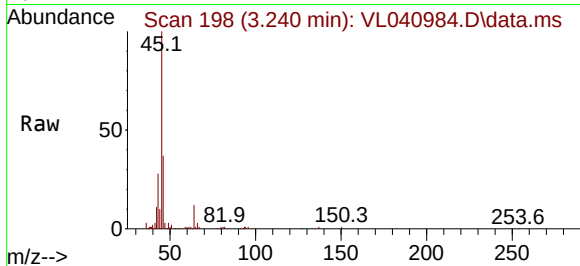
#13  
Ethanol  
Concen: 8.180 ppbv  
RT: 3.240 min Scan# 195  
Delta R.T. -0.000 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 45 Resp: 110260  
Ion Ratio Lower Upper  
45 100  
46 41.0 15.0 60.0

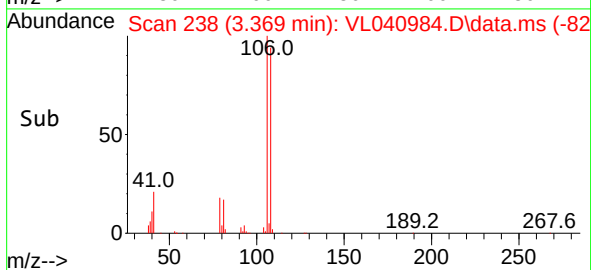
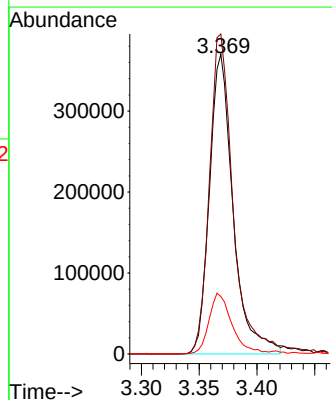
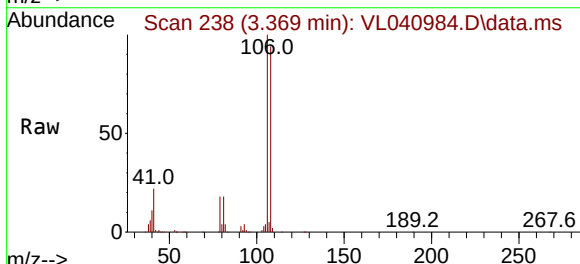
Manual Integrations  
APPROVED

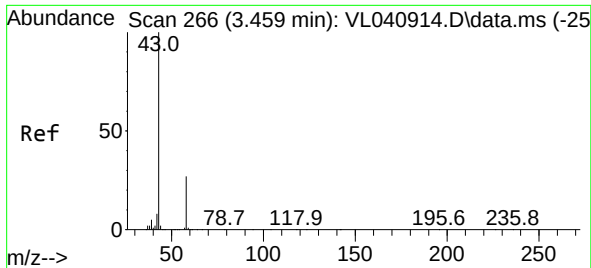
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#14  
Bromoethene  
Concen: 11.575 ppbv  
RT: 3.369 min Scan# 238  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion:108 Resp: 527935  
Ion Ratio Lower Upper  
108 100  
106 108.6 87.5 131.3  
79 20.9 16.6 24.8





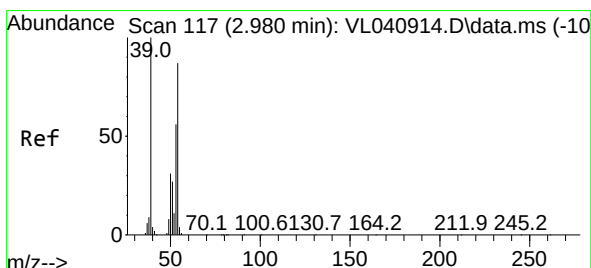
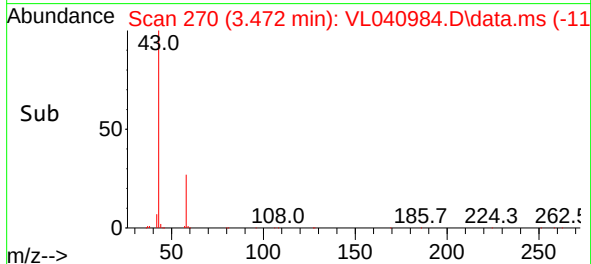
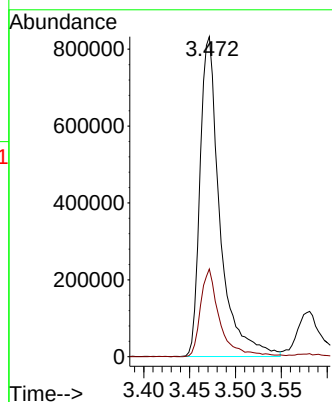
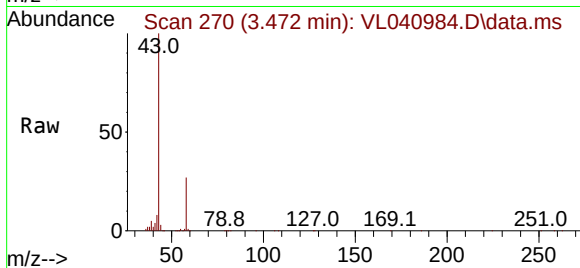
#15  
Acetone  
Concen: 9.727 ppbv  
RT: 3.472 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 43 Resp: 125532  
Ion Ratio Lower Upper  
43 100  
58 26.7 20.6 30.8

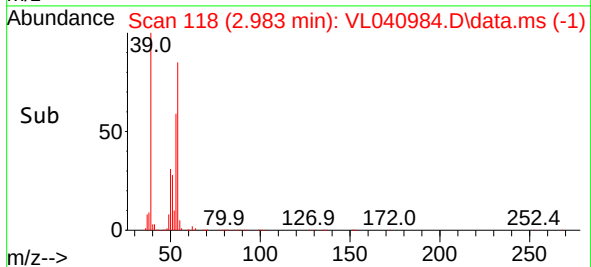
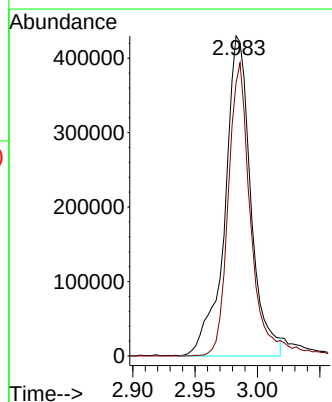
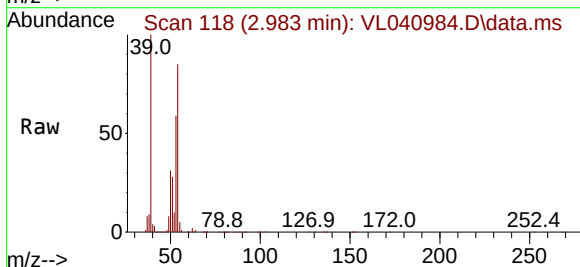
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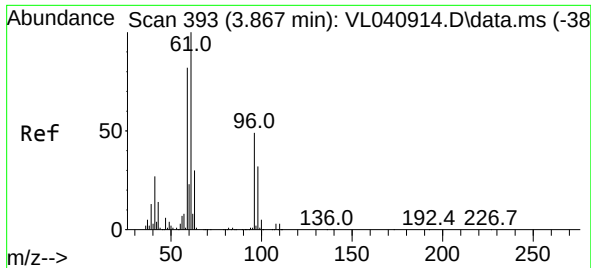
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#16  
1,3-Butadiene  
Concen: 11.234 ppbv  
RT: 2.983 min Scan# 118  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 39 Resp: 624276  
Ion Ratio Lower Upper  
39 100  
54 80.8 63.8 95.6





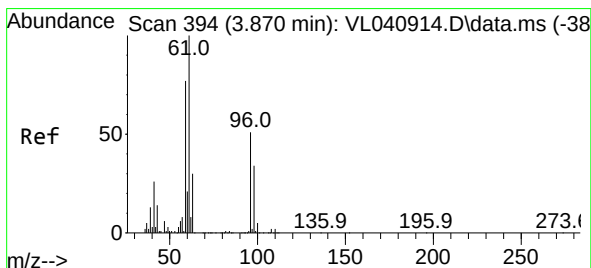
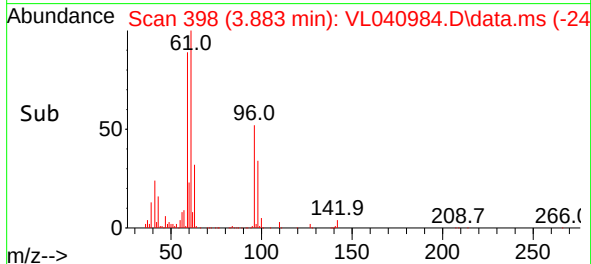
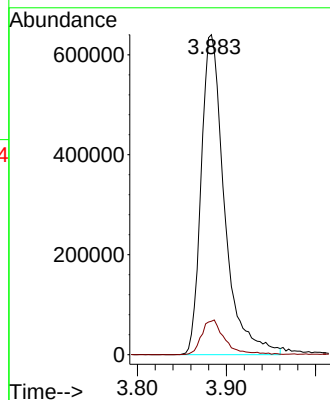
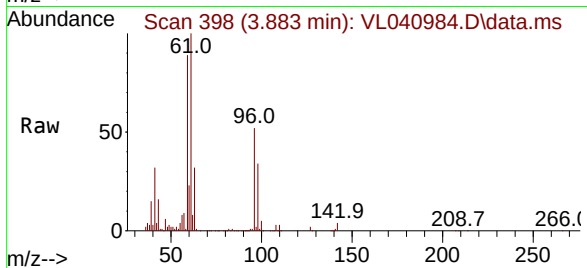
#17  
tert-Butyl alcohol  
Concen: 12.201 ppbv  
RT: 3.883 min Scan# 393  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 59 Resp: 116479  
Ion Ratio Lower Upper  
59 100  
57 11.2 8.3 12.5

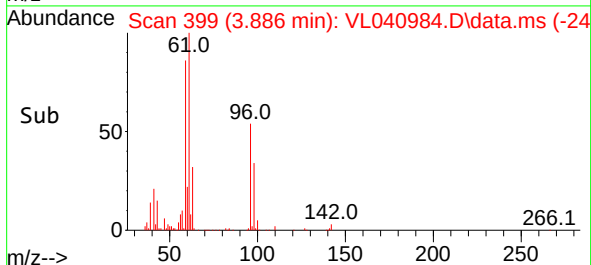
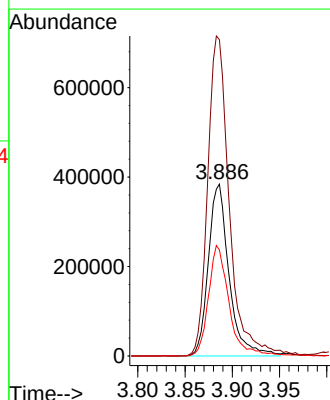
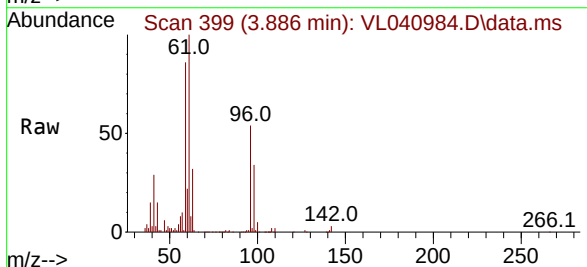
Manual Integrations  
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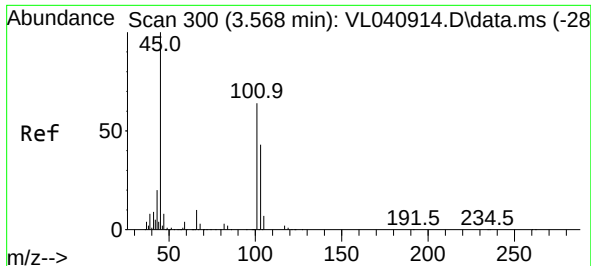
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#18  
1,1-Dichloroethene  
Concen: 11.415 ppbv  
RT: 3.886 min Scan# 399  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 96 Resp: 586487  
Ion Ratio Lower Upper  
96 100  
61 184.0 156.6 235.0  
98 61.8 52.5 78.7





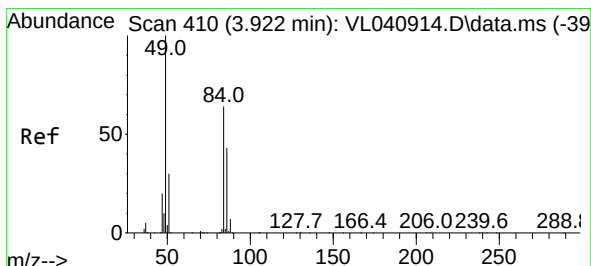
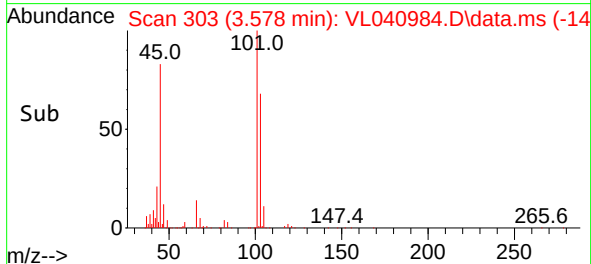
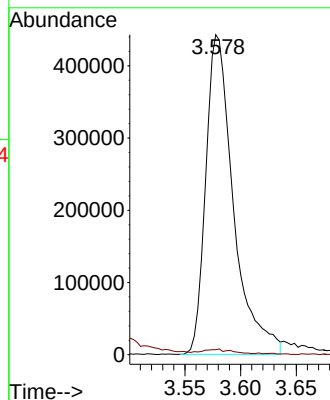
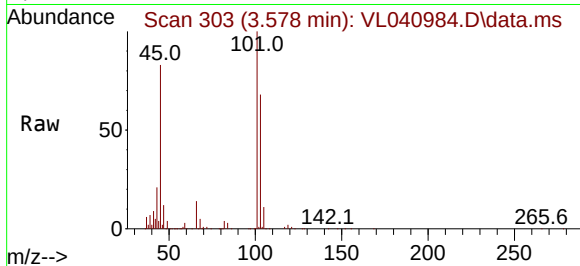
#19  
Isopropyl Alcohol  
Concen: 11.370 ppbv  
RT: 3.578 min Scan# 300  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 45 Resp: 765704  
Ion Ratio Lower Upper  
45 100  
58 2.0 1.5 2.3

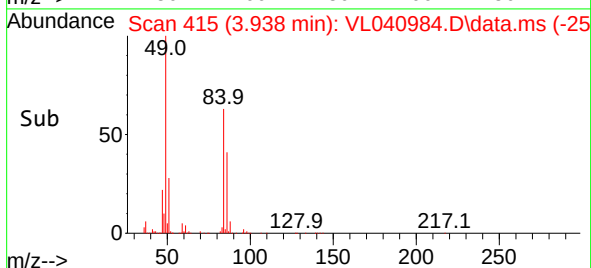
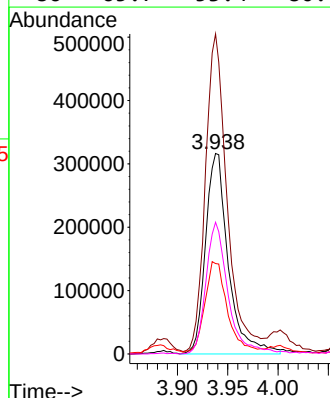
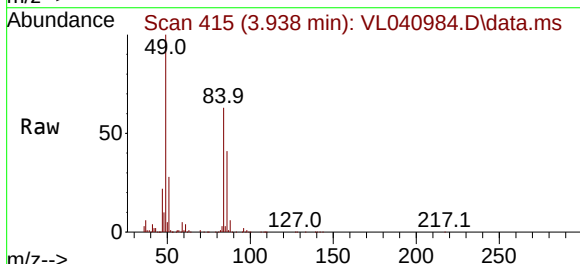
Manual Integrations  
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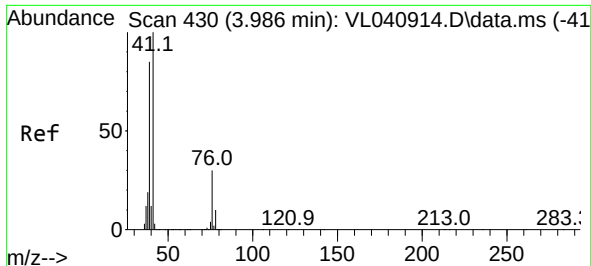
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#20  
Methylene Chloride  
Concen: 10.879 ppbv  
RT: 3.938 min Scan# 415  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 84 Resp: 500462  
Ion Ratio Lower Upper  
84 100  
49 157.7 124.6 187.0  
51 43.7 37.2 55.8  
86 65.7 53.4 80.0





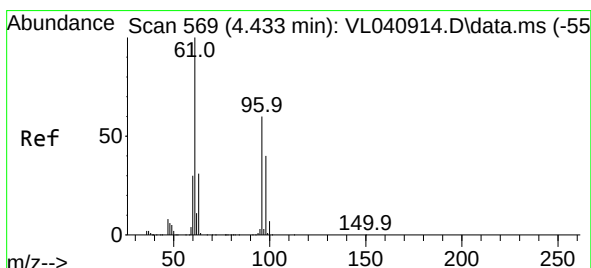
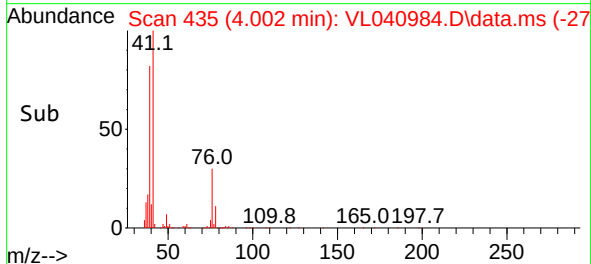
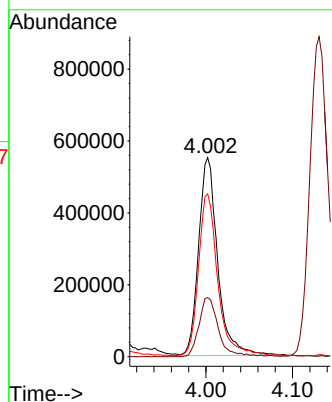
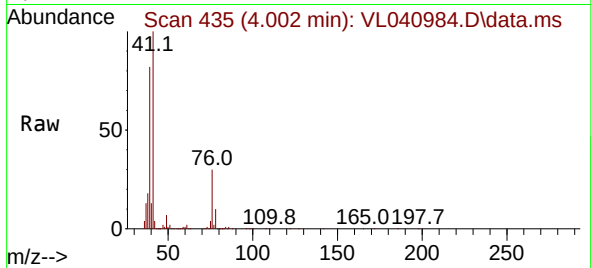
#21  
 Allyl Chloride  
 Concen: 11.048 ppbv  
 RT: 4.002 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01

Tgt Ion: 41 Resp: 842818  
 Ion Ratio Lower Upper  
 41 100  
 76 30.7 23.9 35.9  
 39 83.8 66.5 99.7

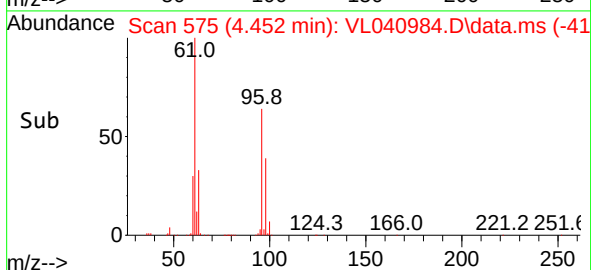
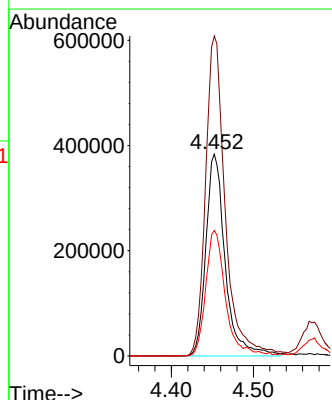
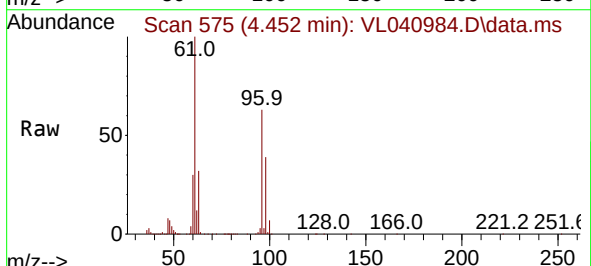
Manual Integrations  
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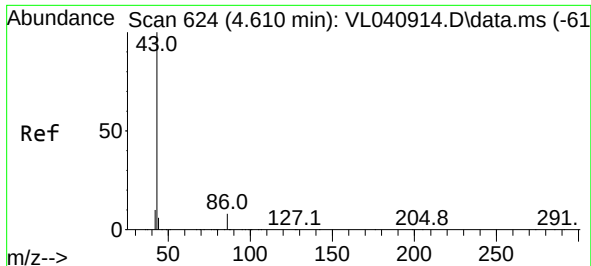
Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.716 ppbv  
 RT: 4.452 min Scan# 575  
 Delta R.T. 0.003 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

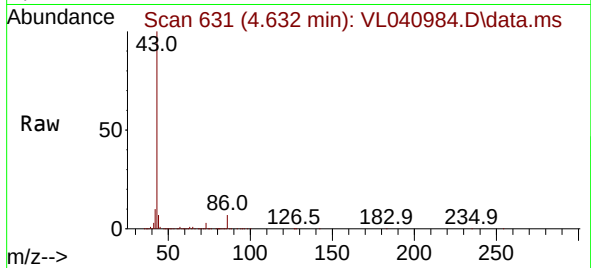
Tgt Ion: 96 Resp: 627793  
 Ion Ratio Lower Upper  
 96 100  
 61 158.5 133.0 199.6  
 98 62.1 53.7 80.5





#23  
 Vinyl Acetate  
 Concen: 9.920 ppbv  
 RT: 4.632 min Scan# 612  
 Delta R.T. 0.003 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

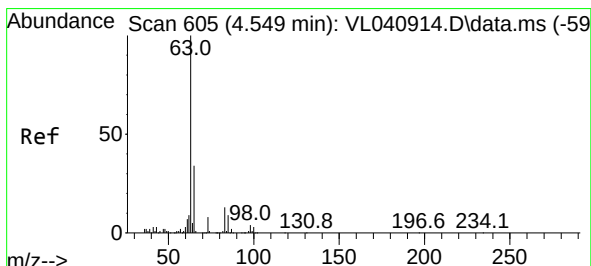
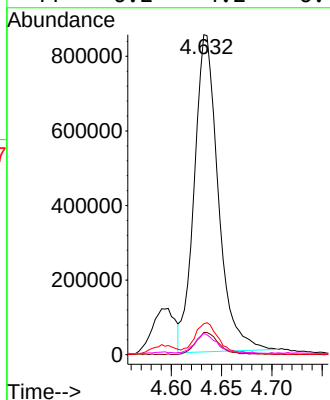
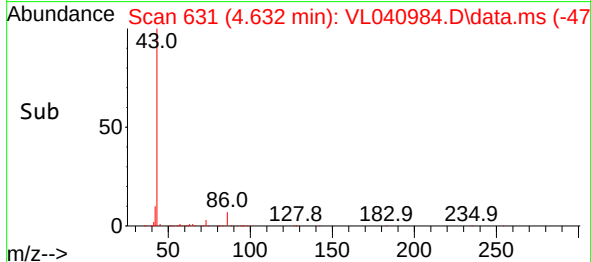
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01



Tgt Ion: 43 Resp: 1412279  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 5.5 8.3  
 42 9.6 8.4 12.6  
 44 6.2 4.2 6.4

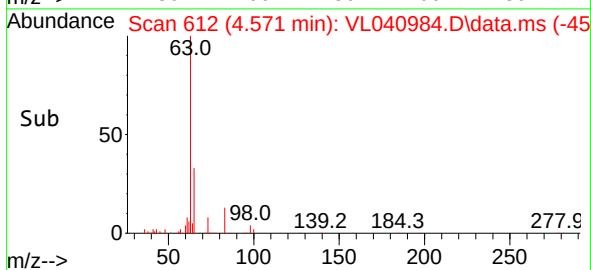
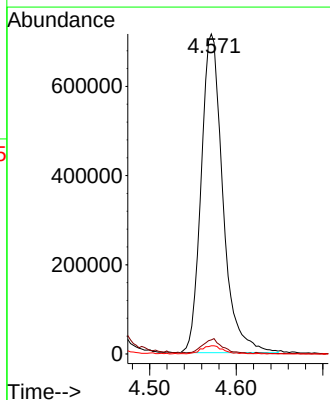
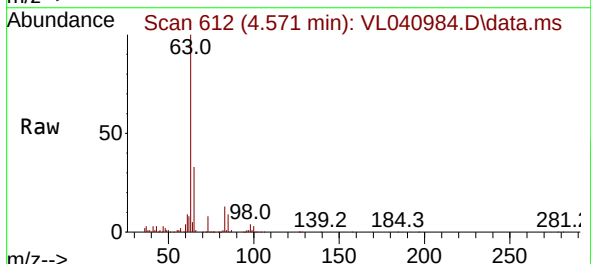
Manual Integrations  
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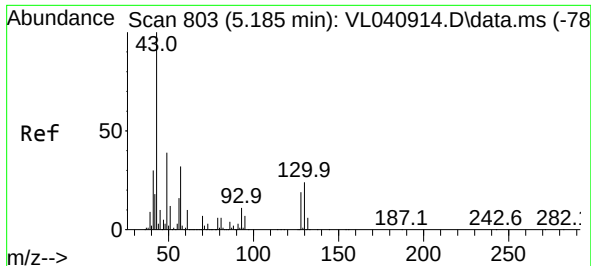
Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024



#24  
 1,1-Dichloroethane  
 Concen: 9.741 ppbv  
 RT: 4.571 min Scan# 612  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Tgt Ion: 63 Resp: 1240596  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 2.1 6.5  
 100 2.6 1.4 4.2





#25  
Ethyl Acetate  
Concen: 10.237 ppbv  
RT: 5.214 min Scan# 812  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

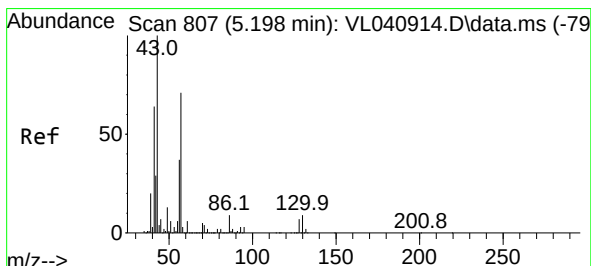
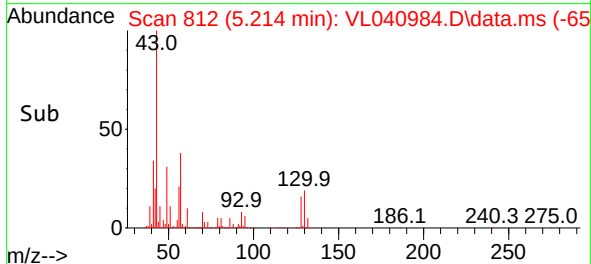
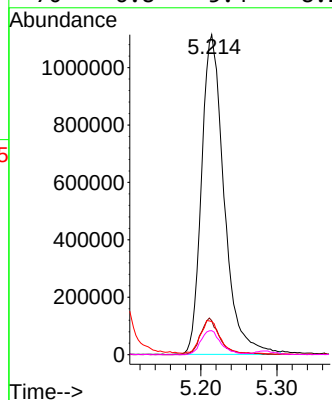
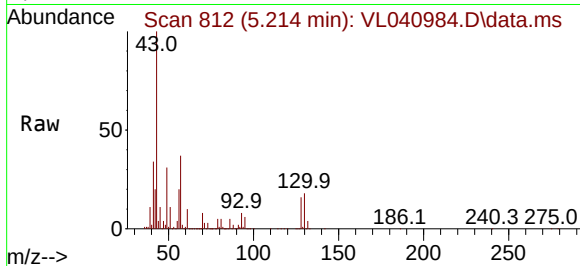
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 43 Resp: 2289254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.9   | 8.2   | 12.2  |
| 61  | 9.9   | 7.6   | 11.4  |
| 70  | 6.8   | 5.4   | 8.2   |

Manual Integrations  
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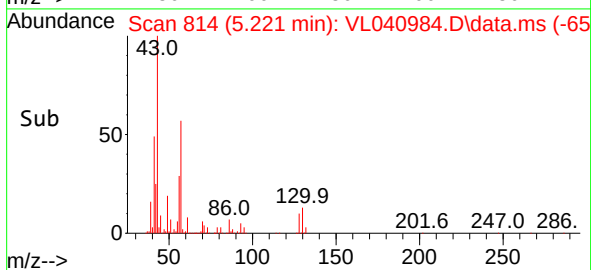
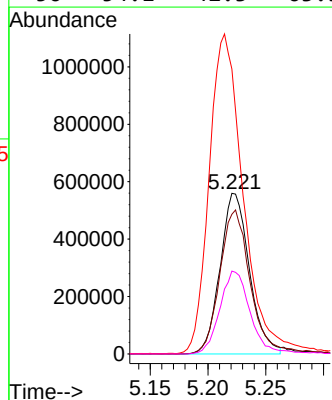
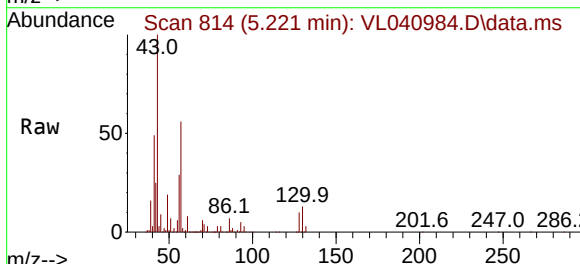
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



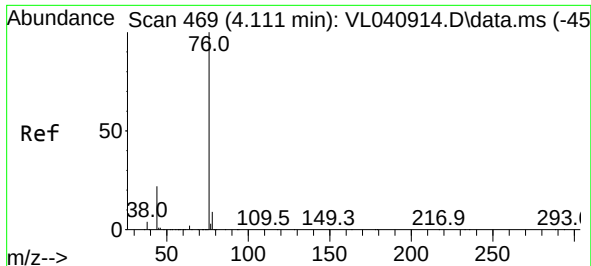
#26  
Hexane  
Concen: 9.963 ppbv  
RT: 5.221 min Scan# 814  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 57 Resp: 987416

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 94.8  | 75.2  | 112.8 |
| 43  | 234.4 | 188.0 | 282.0 |
| 56  | 54.1  | 42.3  | 63.5  |

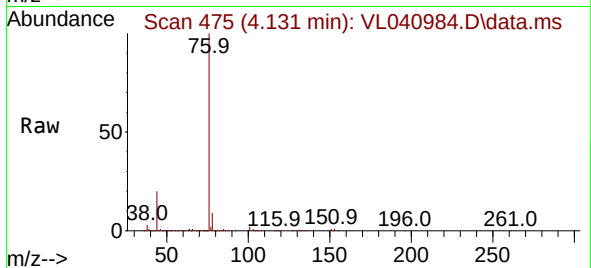






#27  
Carbon Disulfide  
Concen: 10.903 ppbv  
RT: 4.131 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

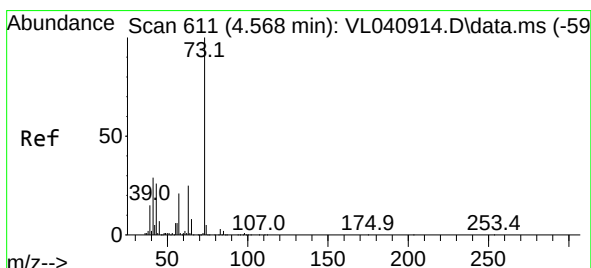
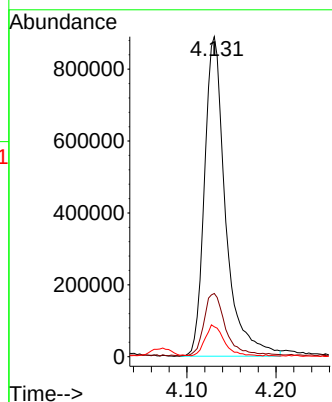
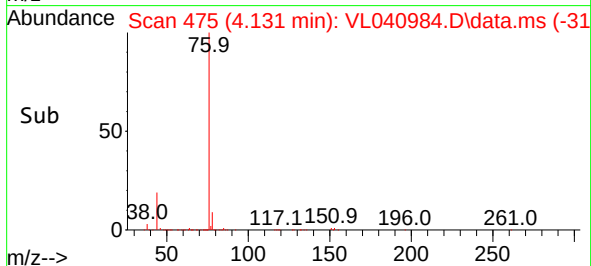
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



Tgt Ion: 76 Resp: 146236  
Ion Ratio Lower Upper  
76 100  
44 21.1 18.4 27.6  
78 9.7 7.9 11.9

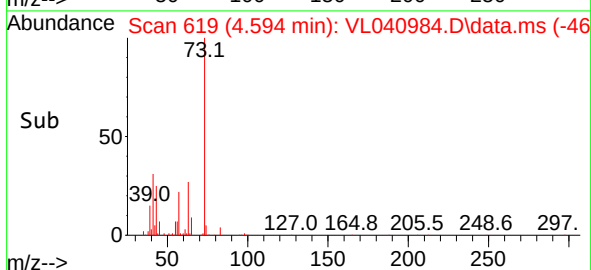
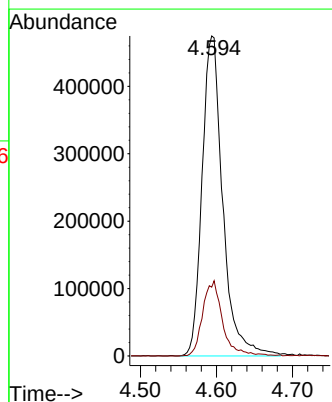
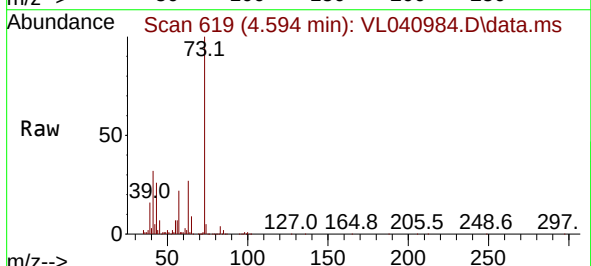
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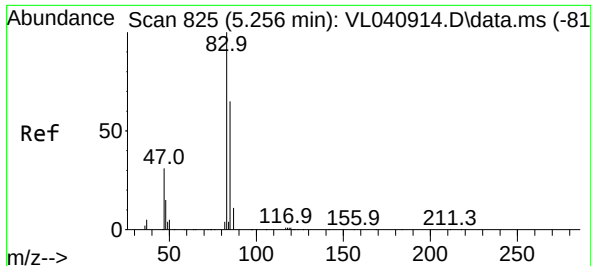
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#28  
Methyl tert-Butyl Ether  
Concen: 9.738 ppbv  
RT: 4.594 min Scan# 619  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 73 Resp: 895566  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.0 27.0





#29

Chloroform

Concen: 10.602 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion: 83 Resp: 177314

Ion Ratio Lower Upper

83 100

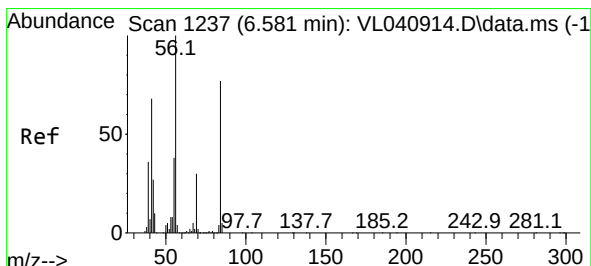
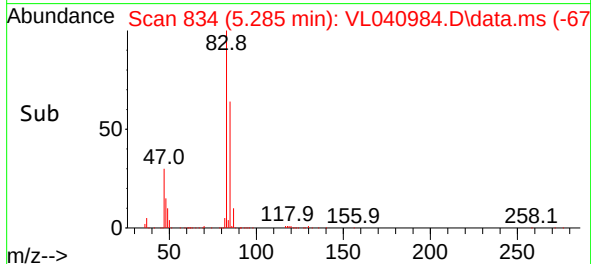
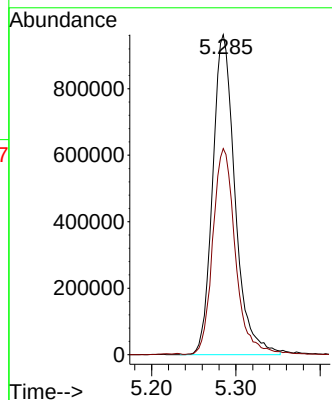
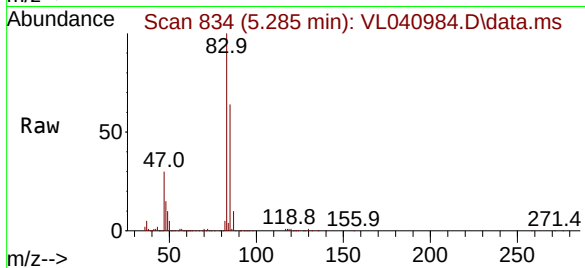
85 64.1 52.3 78.5

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#30

Cyclohexane

Concen: 11.120 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

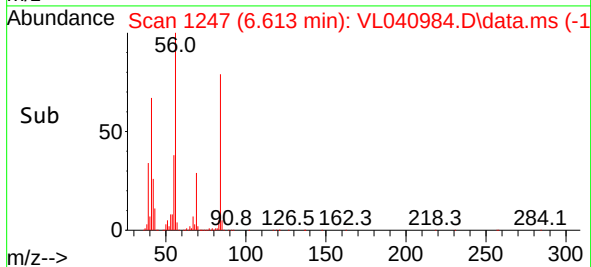
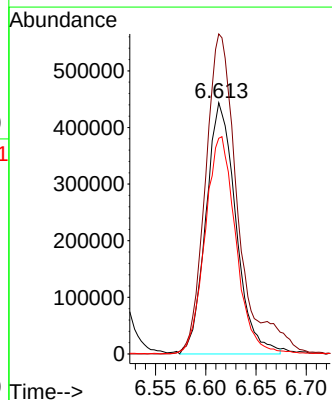
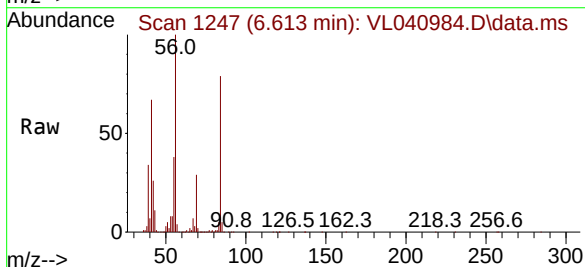
Tgt Ion: 84 Resp: 918779

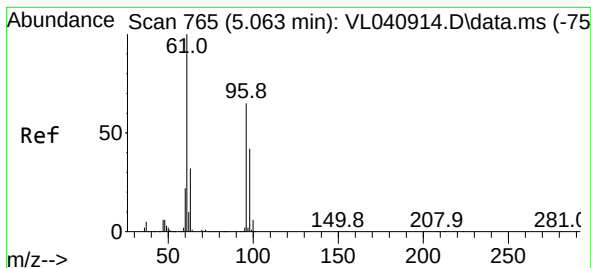
Ion Ratio Lower Upper

84 100

56 138.9 111.4 167.2

41 88.4 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 9.307 ppbv

RT: 5.089 min Scan# 71

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion: 61 Resp: 94748

Ion Ratio Lower Upper

61 100

96 68.3 51.7 77.5

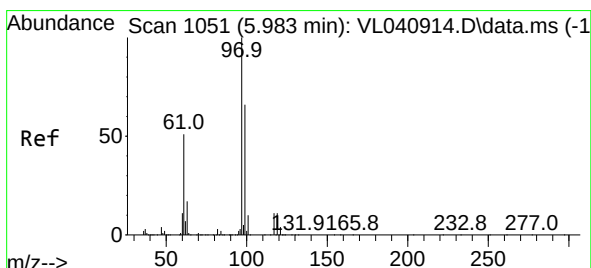
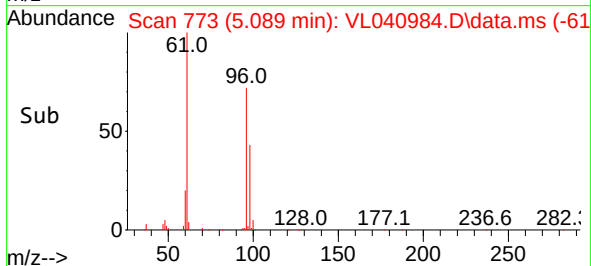
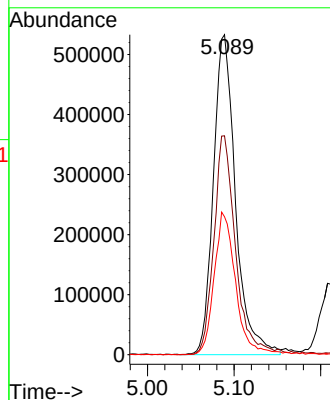
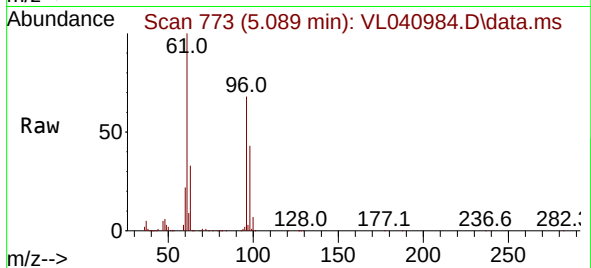
98 43.1 33.2 49.8

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#32

1,1,1-Trichloroethane

Concen: 11.271 ppbv

RT: 6.015 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

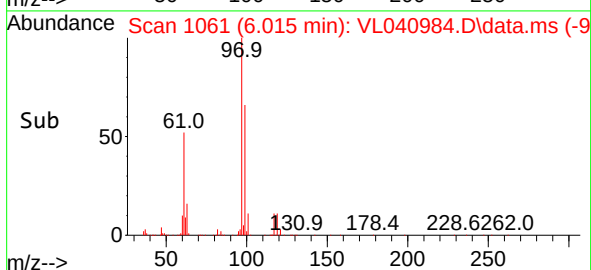
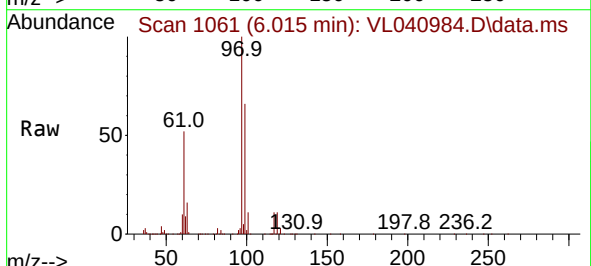
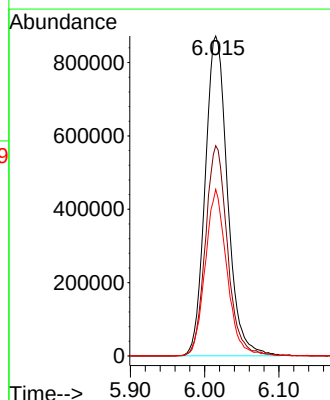
Tgt Ion: 97 Resp: 1822442

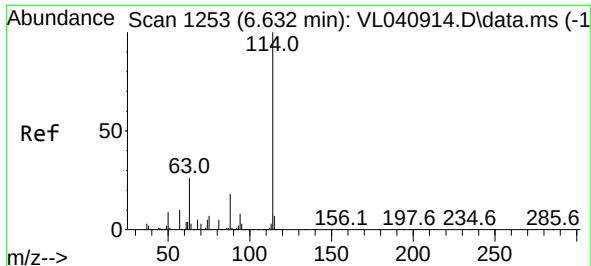
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.6

61 50.6 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion:114 Resp: 295794

Ion Ratio Lower Upper

114 100

63 26.5 21.0 31.6

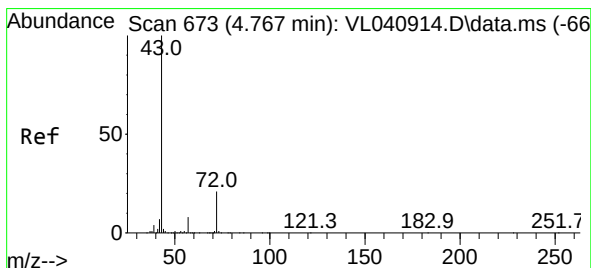
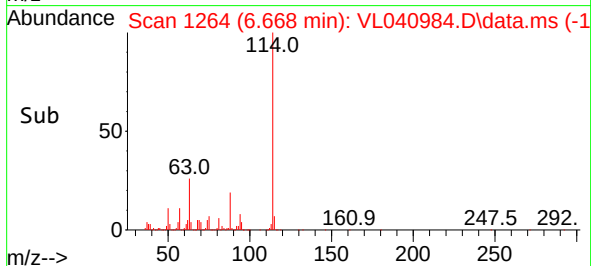
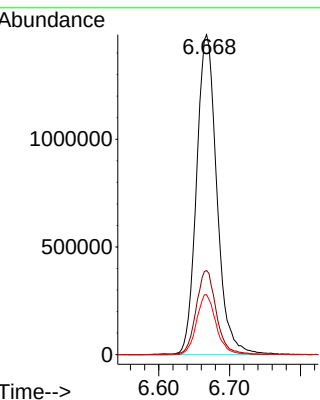
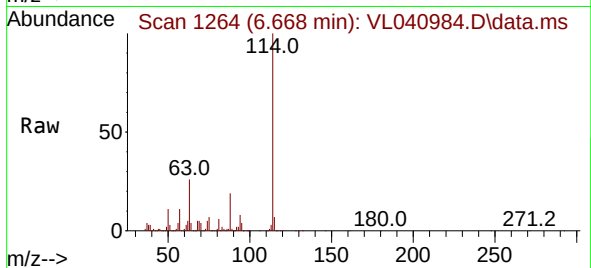
88 18.2 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#34

2-Butanone

Concen: 8.937 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.006 min

Lab File: VL040984.D

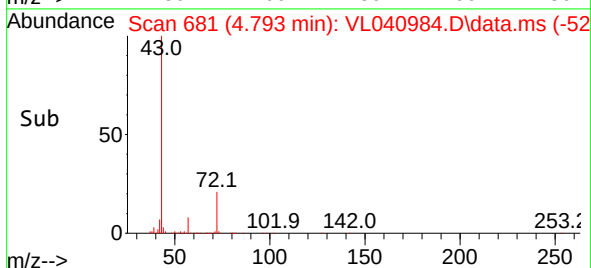
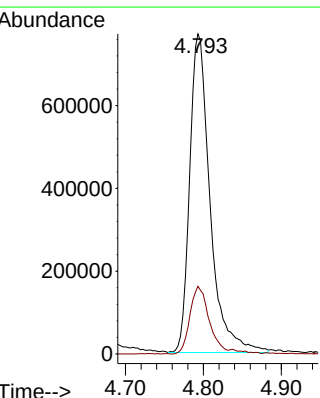
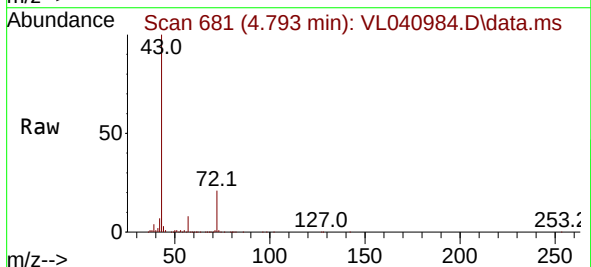
Acq: 16 Jan 2024 12:56

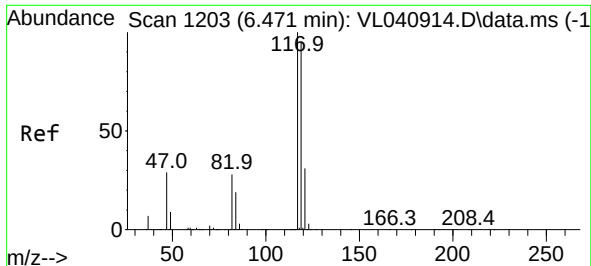
Tgt Ion: 43 Resp: 1398360

Ion Ratio Lower Upper

43 100

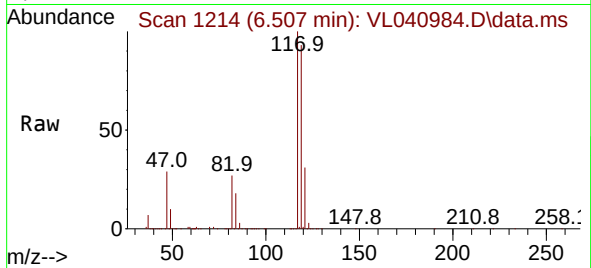
72 21.4 17.2 25.8





#35  
Carbon Tetrachloride  
Concen: 10.431 ppbv  
RT: 6.507 min Scan# 1175  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

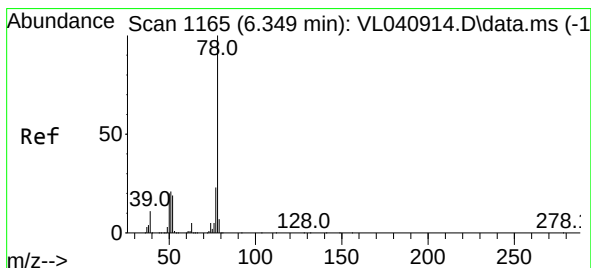
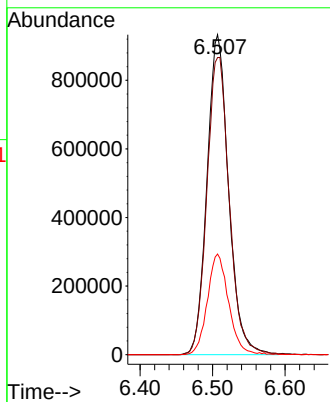
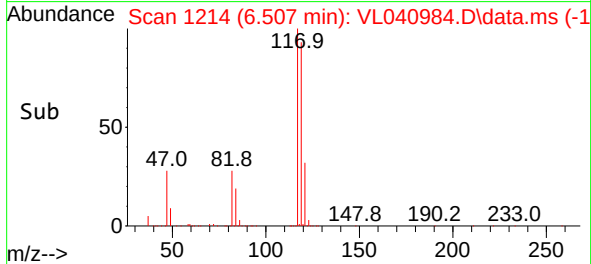
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



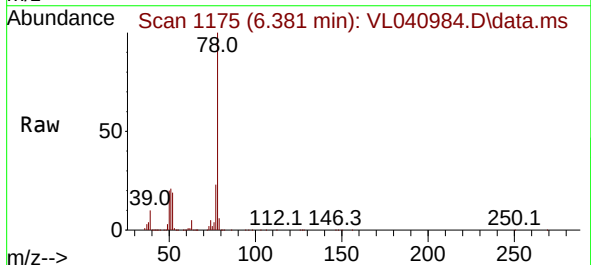
Tgt Ion: 117 Resp: 1932190  
Ion Ratio Lower Upper  
117 100  
119 92.8 76.3 114.5  
121 31.4 24.9 37.3

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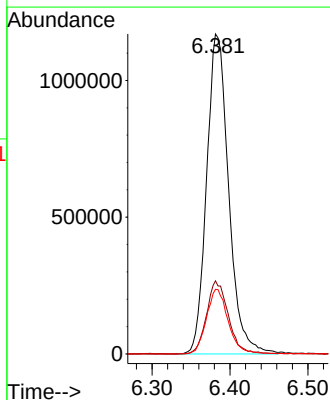
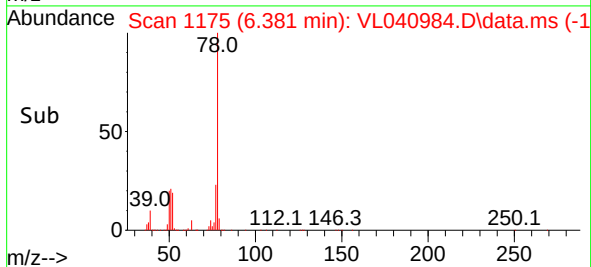
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

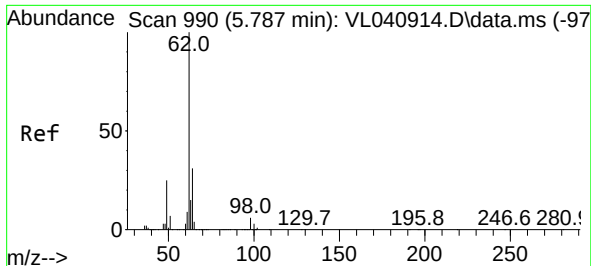


#36  
Benzene  
Concen: 9.944 ppbv  
RT: 6.381 min Scan# 1175  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



Tgt Ion: 78 Resp: 2299437  
Ion Ratio Lower Upper  
78 100  
77 22.8 18.4 27.6  
50 20.2 16.0 24.0





#37

1,2-Dichloroethane

Concen: 10.213 ppbv

RT: 5.819 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion: 62 Resp: 1415040

Ion Ratio Lower Upper

62 100

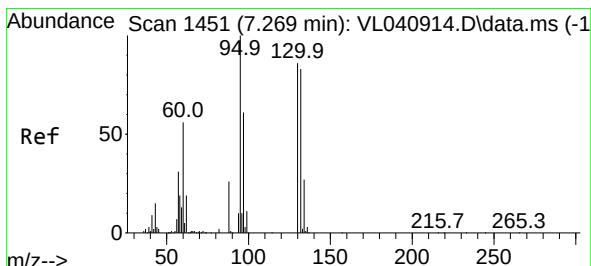
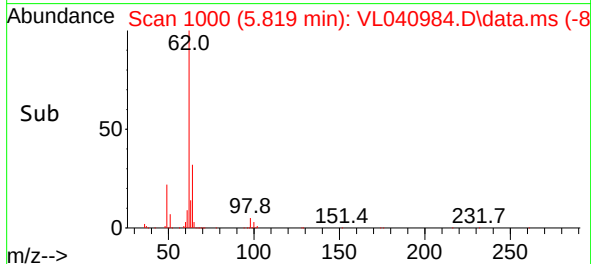
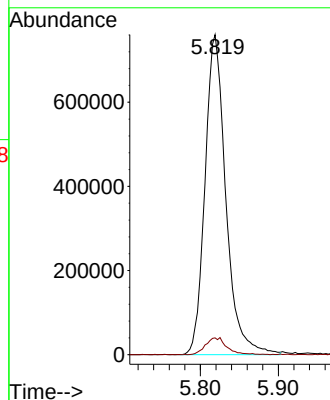
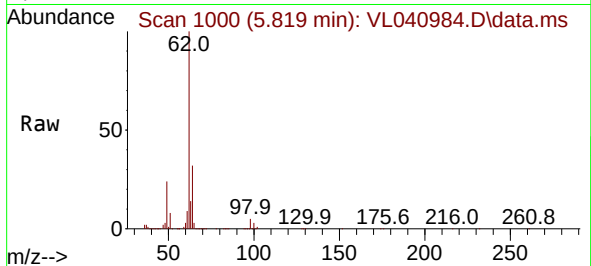
98 5.5 4.6 7.0

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#38

Trichloroethene

Concen: 10.340 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.010 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion:130 Resp: 897973

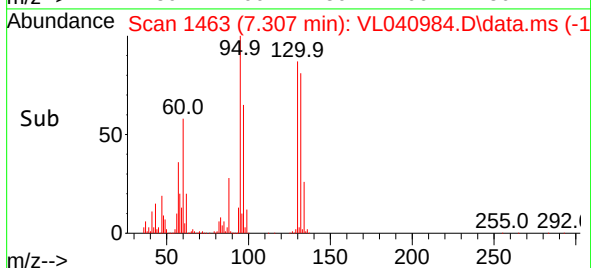
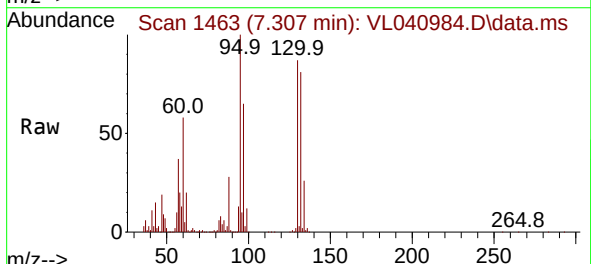
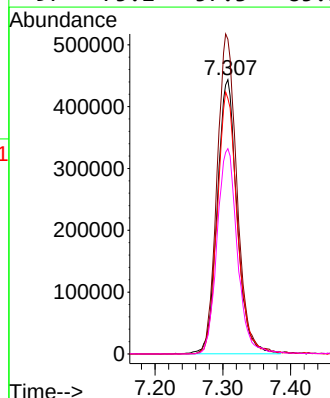
Ion Ratio Lower Upper

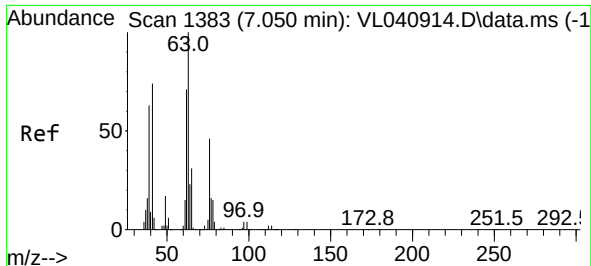
130 100

95 115.2 93.5 140.3

132 93.6 77.4 116.2

97 75.2 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.943 ppbv

RT: 7.086 min Scan# 1461

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion: 63 Resp: 903470

Ion Ratio Lower Upper

63 100

41 76.5 59.0 88.6

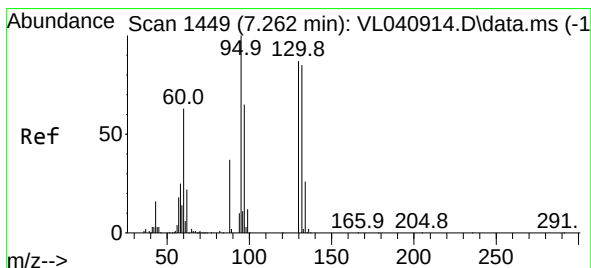
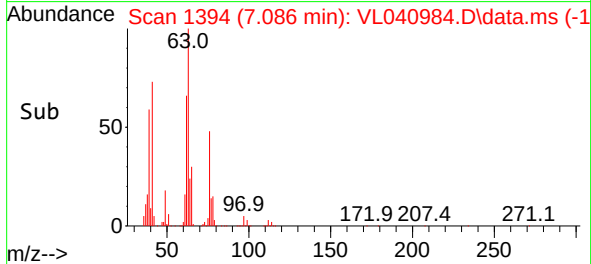
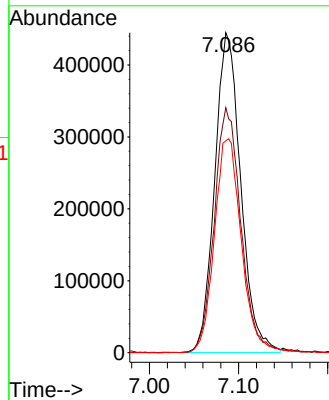
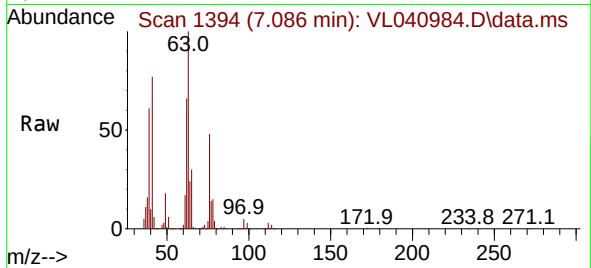
62 66.2 56.6 85.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#40

1,4-Dioxane

Concen: 9.313 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.010 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion: 88 Resp: 357319

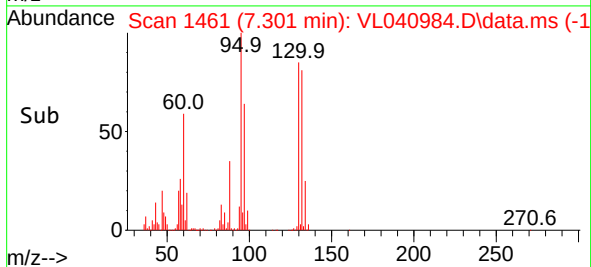
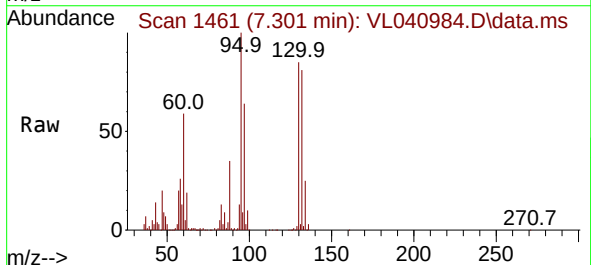
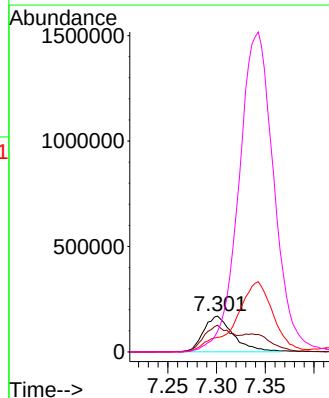
Ion Ratio Lower Upper

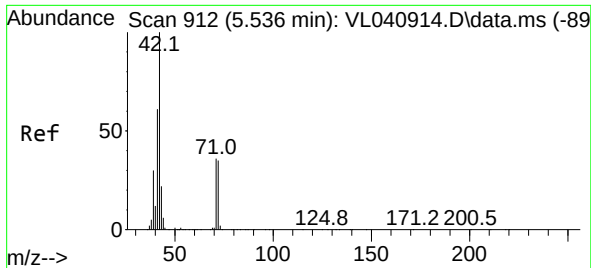
88 100

58 123.4 97.3 145.9

43 253.3 200.6 300.8

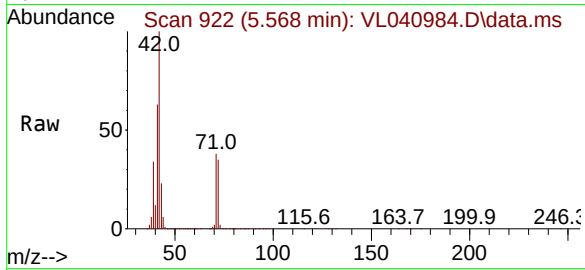
57 1067.5 842.8 1264.2





#41  
Tetrahydrofuran  
Concen: 9.855 ppbv  
RT: 5.568 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

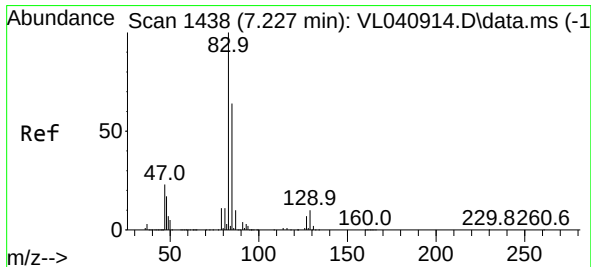
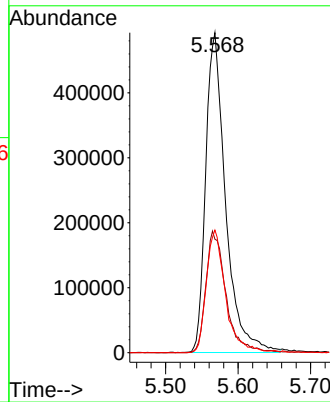
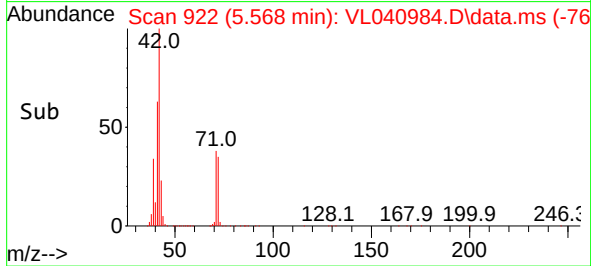
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



Tgt Ion: 42 Resp: 93818  
Ion Ratio Lower Upper  
42 100  
72 38.6 29.6 44.4  
71 37.6 29.1 43.7

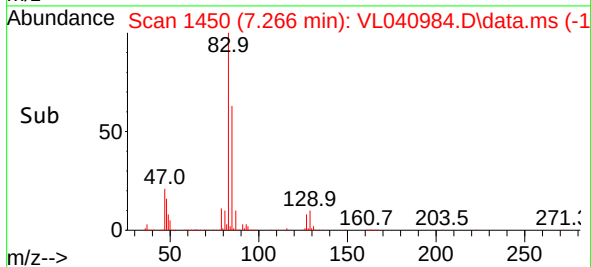
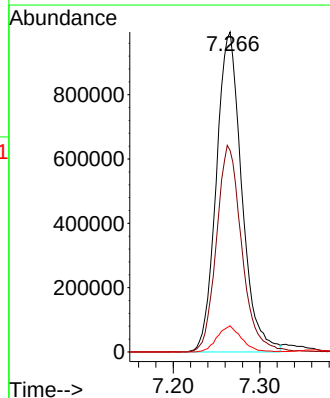
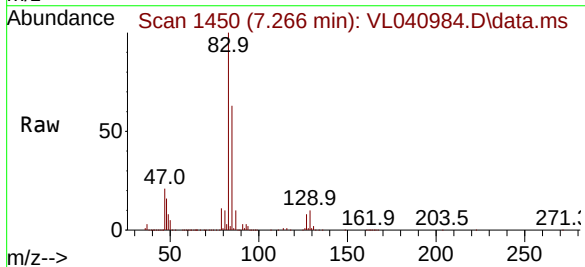
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

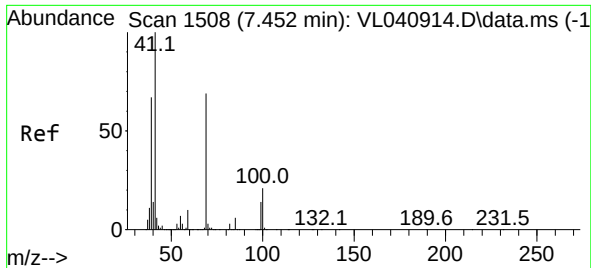


#42  
Bromodichloromethane  
Concen: 10.135 ppbv  
RT: 7.266 min Scan# 1450  
Delta R.T. 0.010 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 83 Resp: 2025303  
Ion Ratio Lower Upper  
83 100  
85 63.0 51.4 77.0  
127 8.1 5.9 8.9







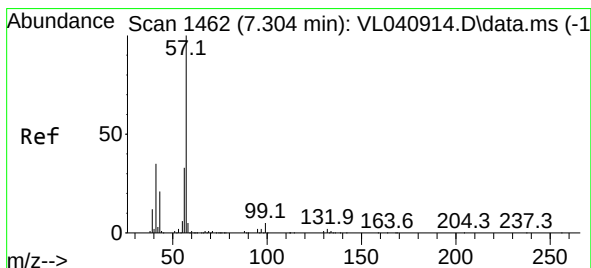
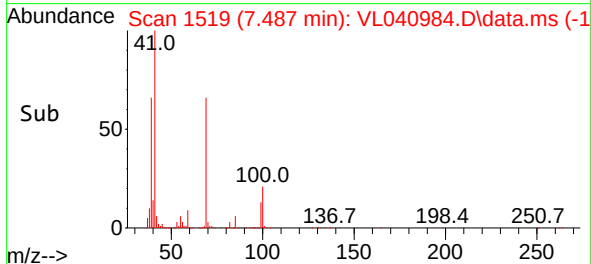
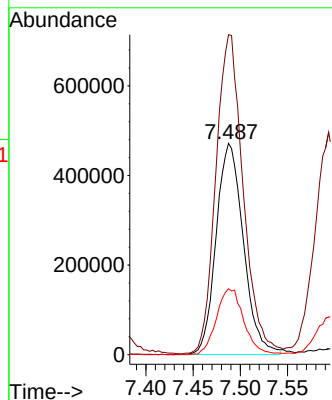
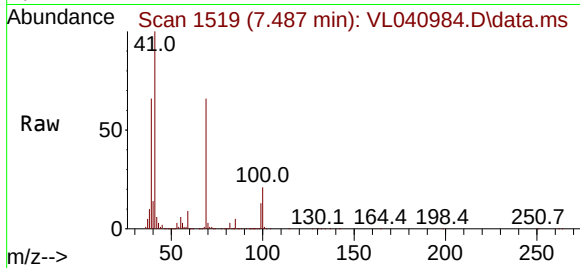
#43  
Methyl Methacrylate  
Concen: 10.423 ppbv  
RT: 7.487 min Scan# 11  
Delta R.T. 0.010 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 69 Resp: 94533  
Ion Ratio Lower Upper  
69 100  
41 152.4 119.9 179.9  
100 31.4 25.1 37.7

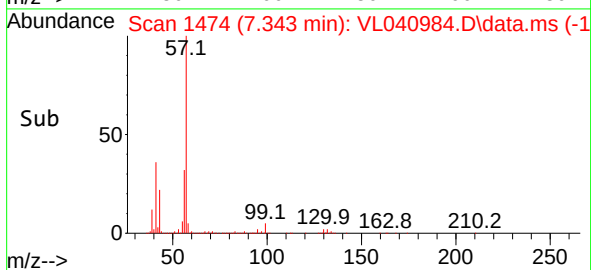
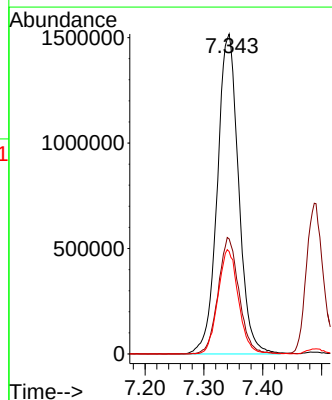
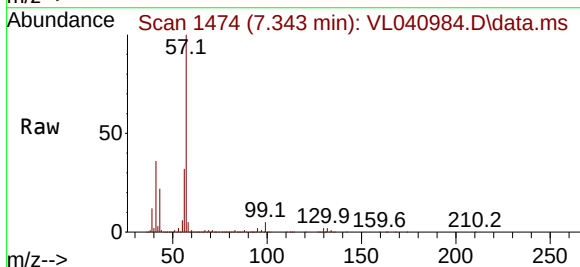
Manual Integrations  
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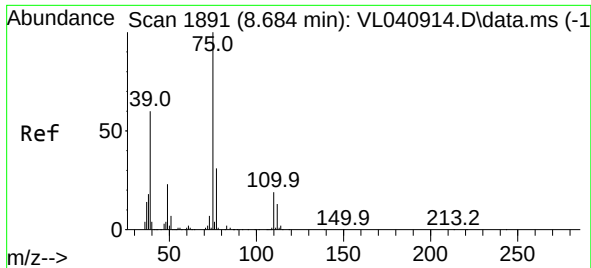
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#44  
2,2,4-Trimethylpentane  
Concen: 9.695 ppbv  
RT: 7.343 min Scan# 1474  
Delta R.T. 0.010 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 57 Resp: 3807931  
Ion Ratio Lower Upper  
57 100  
41 35.7 28.2 42.4  
56 31.4 25.3 37.9





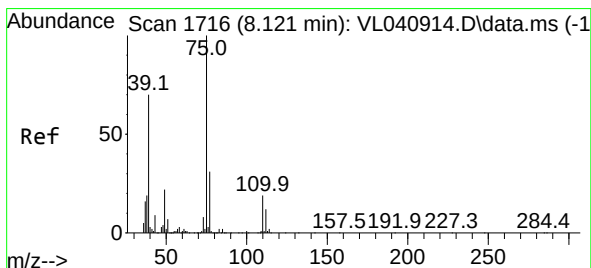
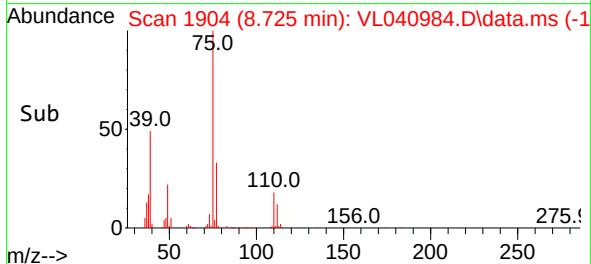
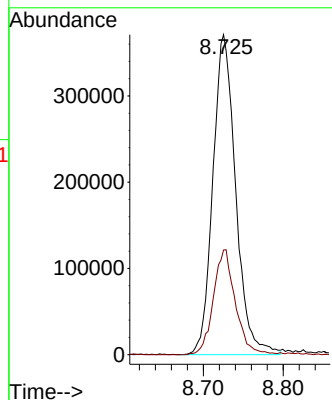
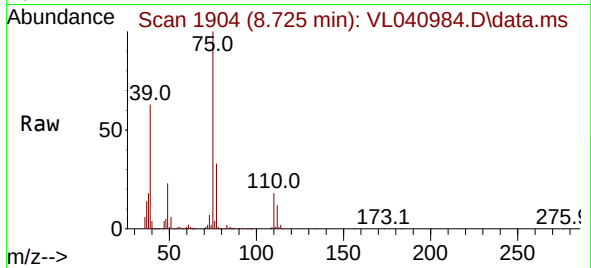
#45  
t-1,3-Dichloropropene  
Concen: 10.926 ppbv  
RT: 8.725 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 75 Resp: 735249  
Ion Ratio Lower Upper  
75 100  
77 32.7 24.8 37.2

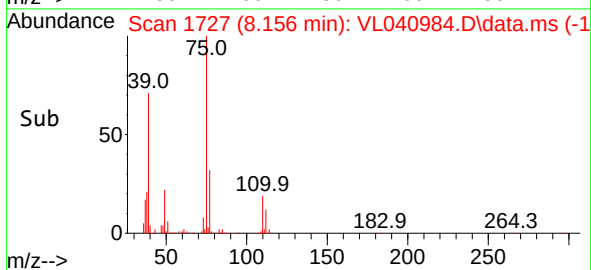
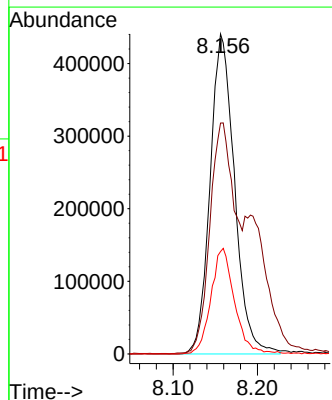
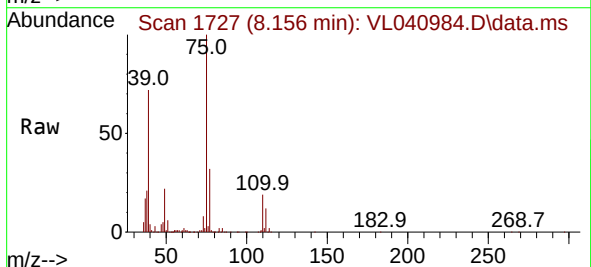
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APPROVED

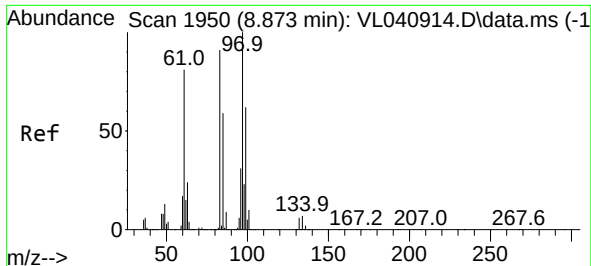
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#46  
cis-1,3-Dichloropropene  
Concen: 10.636 ppbv  
RT: 8.156 min Scan# 1727  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 75 Resp: 886086  
Ion Ratio Lower Upper  
75 100  
39 71.8 56.2 84.4  
77 31.9 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.994 ppbv

RT: 8.912 min Scan# 1950

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion: 97 Resp: 96332

Ion Ratio Lower Upper

97 100

83 89.5 72.6 108.8

85 57.1 47.4 71.0

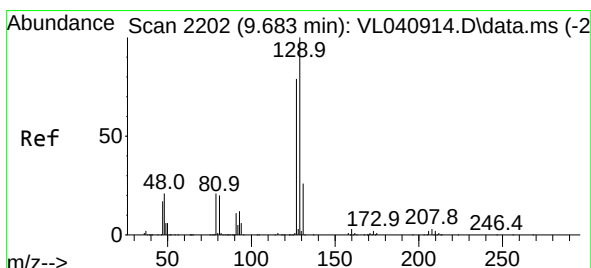
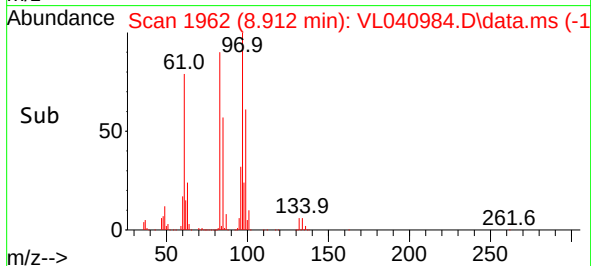
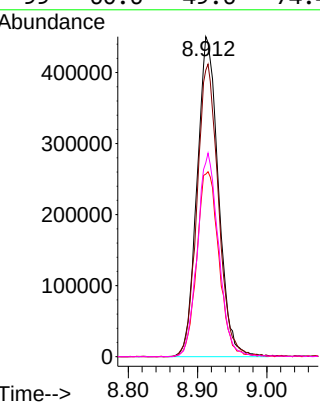
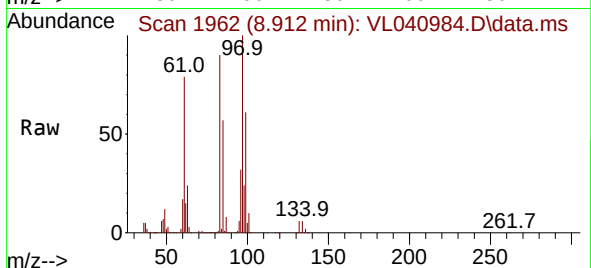
99 60.6 49.6 74.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#48

Dibromochloromethane

Concen: 10.406 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.010 min

Lab File: VL040984.D

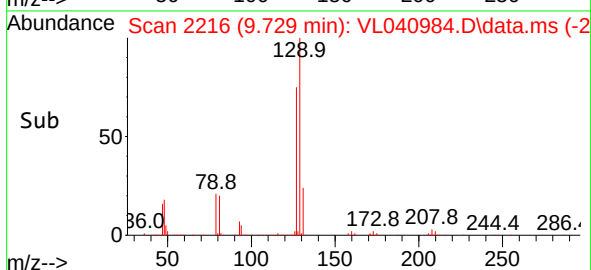
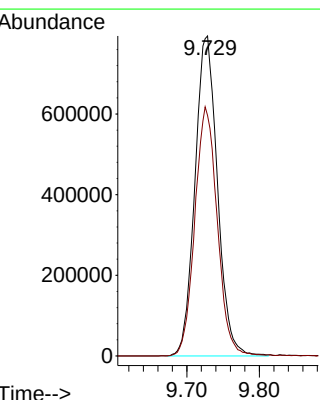
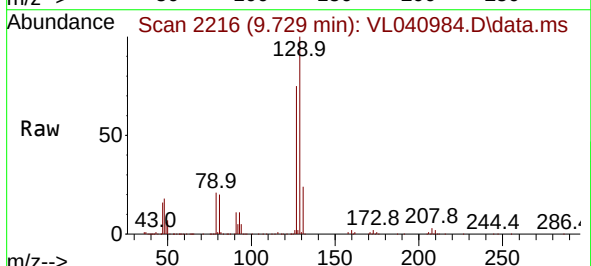
Acq: 16 Jan 2024 12:56

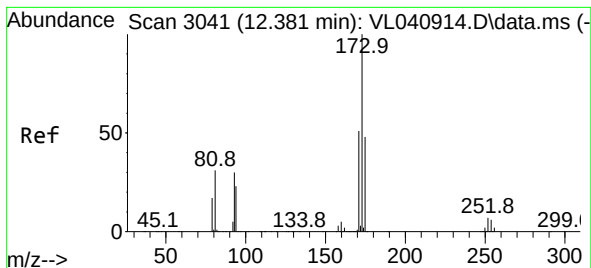
Tgt Ion:129 Resp: 1712142

Ion Ratio Lower Upper

129 100

127 77.8 39.6 119.0





#49

Bromoform

Concen: 10.722 ppbv

RT: 12.426 min Scan# 3041

Delta R.T. 0.010 min

Lab File: VL040984.D

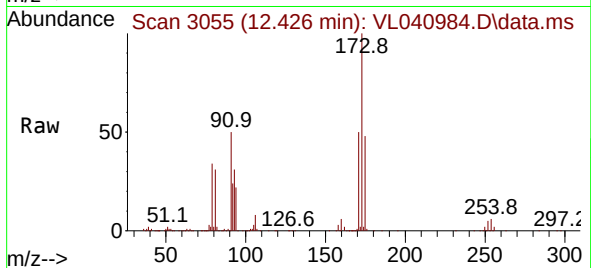
Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01



Tgt Ion:173 Resp: 136120

Ion Ratio Lower Upper

173 100

175 48.7 39.3 58.9

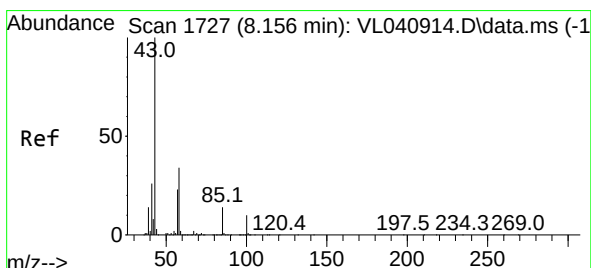
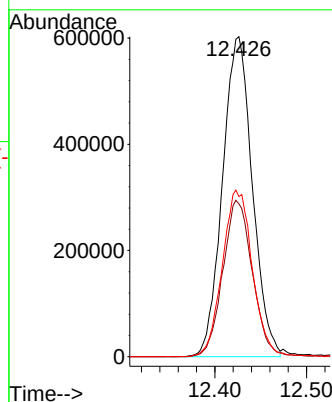
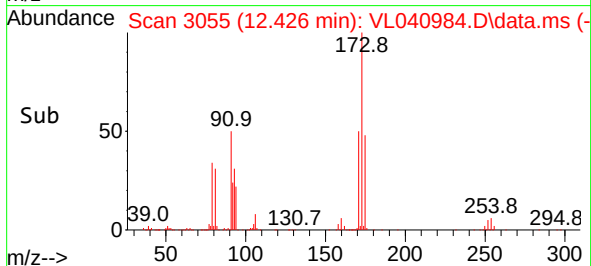
171 52.8 41.8 62.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#50

4-Methyl-2-Pentanone

Concen: 10.289 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.003 min

Lab File: VL040984.D

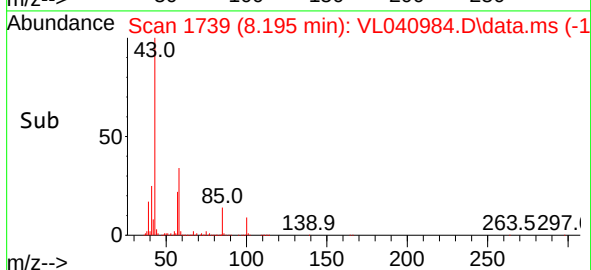
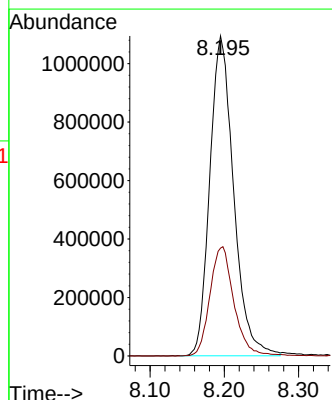
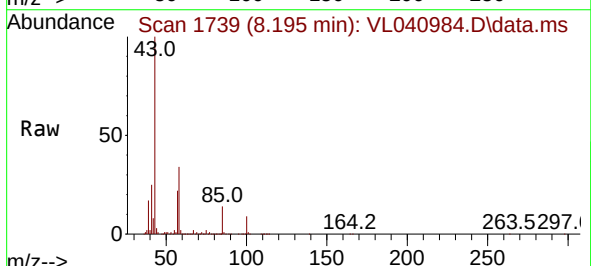
Acq: 16 Jan 2024 12:56

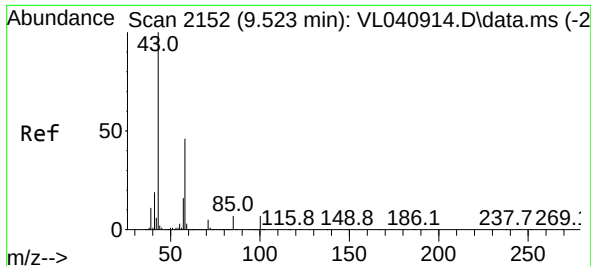
Tgt Ion: 43 Resp: 2438249

Ion Ratio Lower Upper

43 100

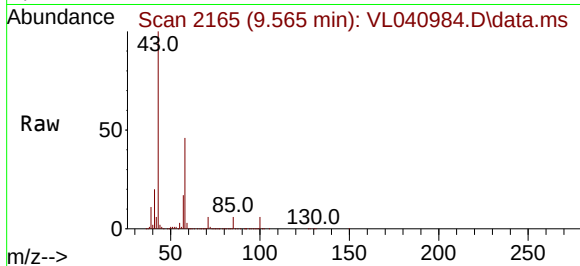
58 34.5 27.4 41.0





#51  
2-Hexanone  
Concen: 10.452 ppbv  
RT: 9.565 min Scan# 2152  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

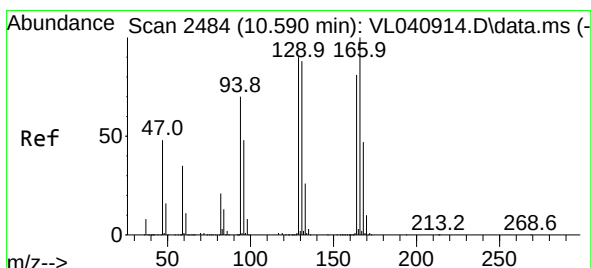
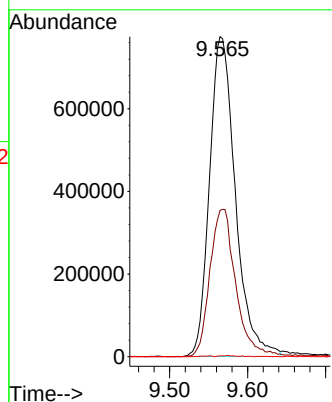
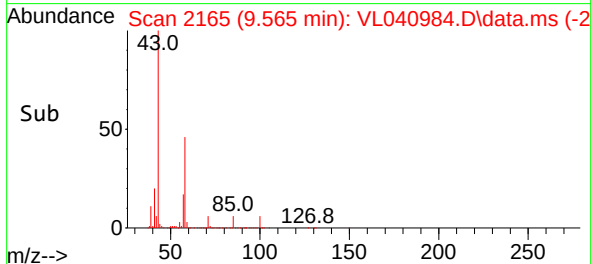
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



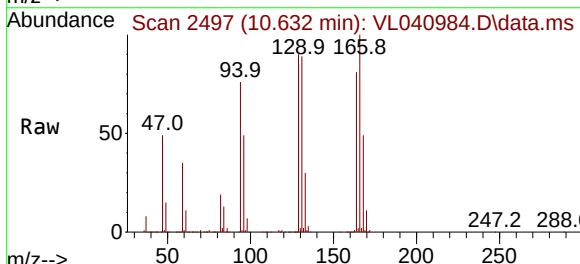
Tgt Ion: 43 Resp: 178279  
Ion Ratio Lower Upper  
43 100  
58 46.5 37.3 55.9  
98 0.2 0.2 0.2

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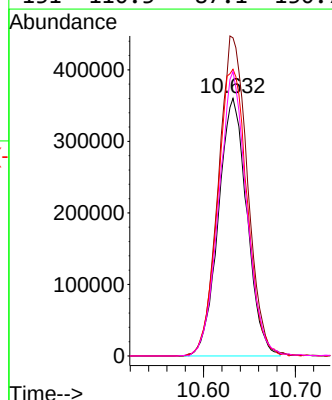
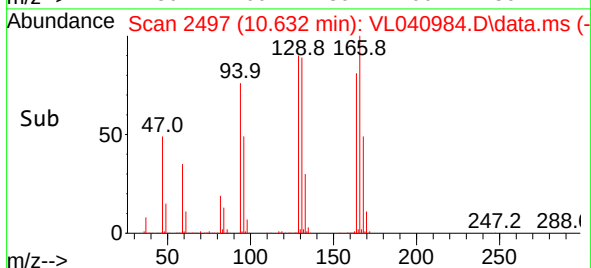
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

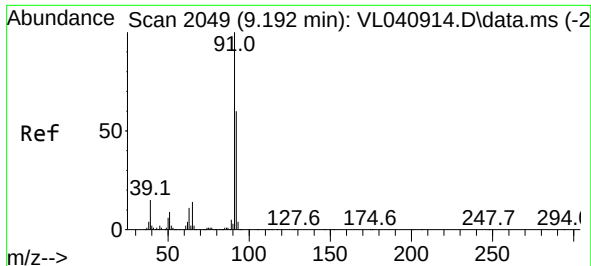


#52  
Tetrachloroethene  
Concen: 9.995 ppbv  
RT: 10.632 min Scan# 2497  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



Tgt Ion:164 Resp: 778521  
Ion Ratio Lower Upper  
164 100  
166 123.5 98.9 148.3  
129 111.1 88.7 133.1  
131 110.3 87.1 130.7





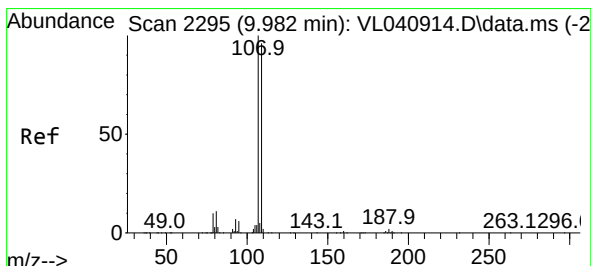
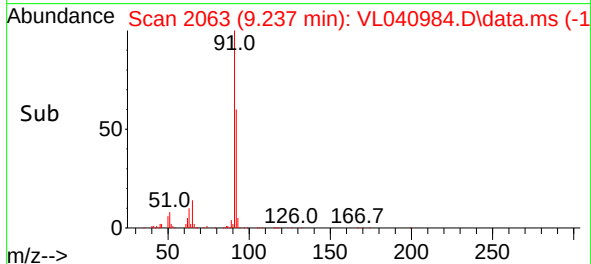
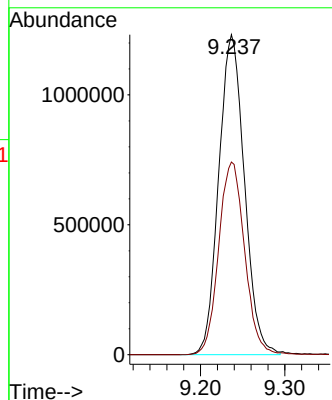
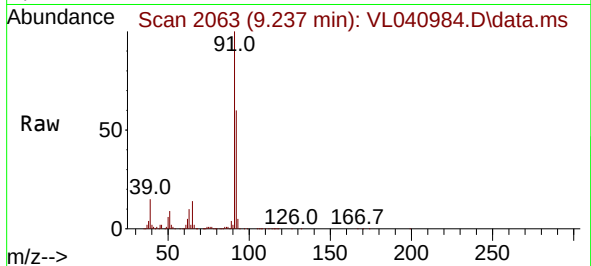
#53  
Toluene  
Concen: 10.140 ppbv  
RT: 9.237 min Scan# 2063  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 91 Resp: 259993  
Ion Ratio Lower Upper  
91 100  
92 61.2 49.2 73.8

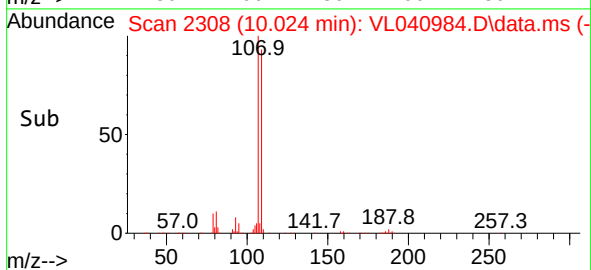
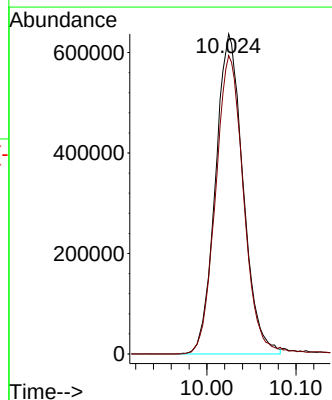
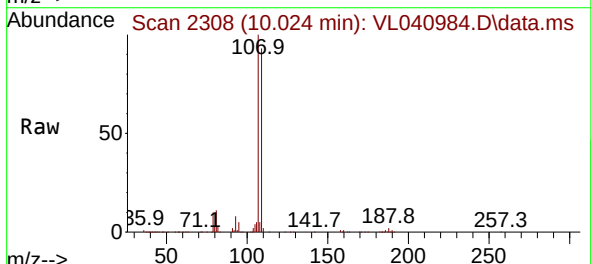
Manual Integrations  
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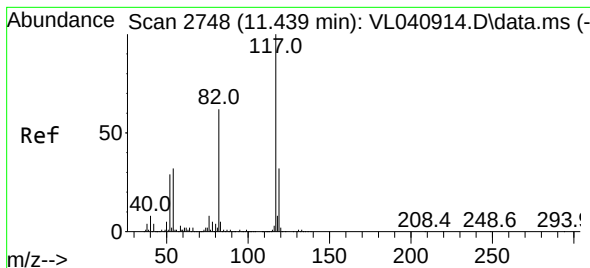
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#54  
1,2-Dibromoethane  
Concen: 10.351 ppbv  
RT: 10.024 min Scan# 2308  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

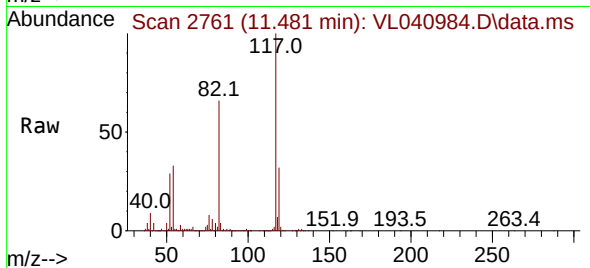
Tgt Ion:107 Resp: 1369182  
Ion Ratio Lower Upper  
107 100  
109 93.2 77.0 115.4





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.481 min Scan# 2748  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

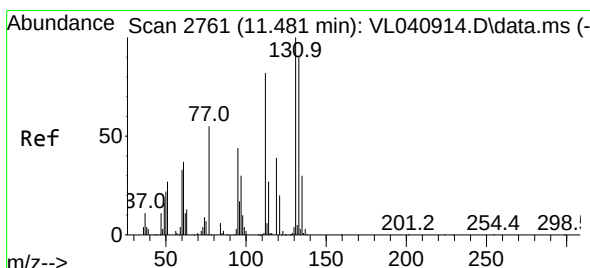
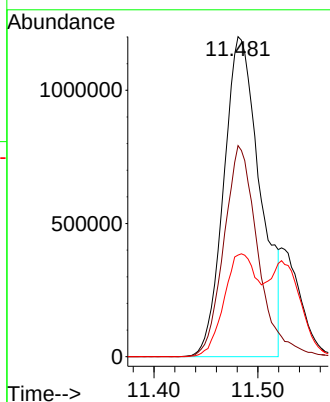
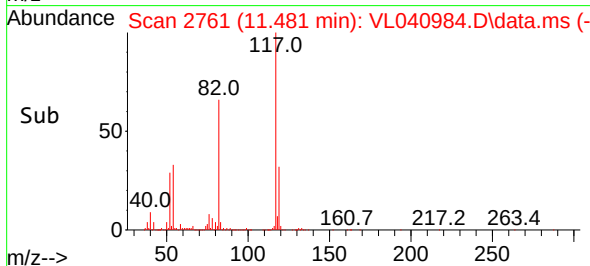
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



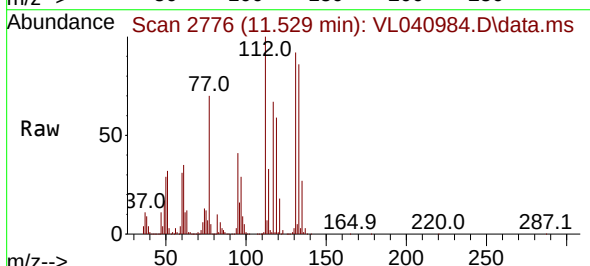
Tgt Ion:117 Resp: 292868  
Ion Ratio Lower Upper  
117 100  
82 62.3 49.6 74.4  
119 32.9 23.4 35.0

Manual Integrations  
APPROVED

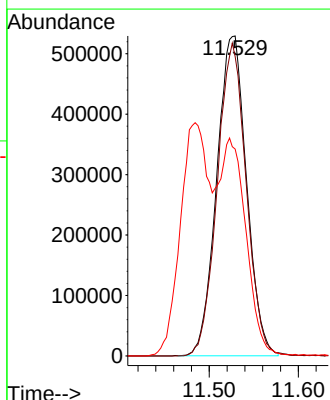
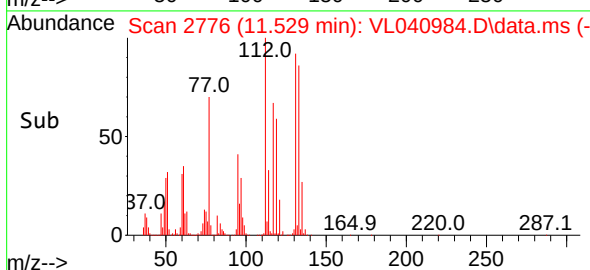
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

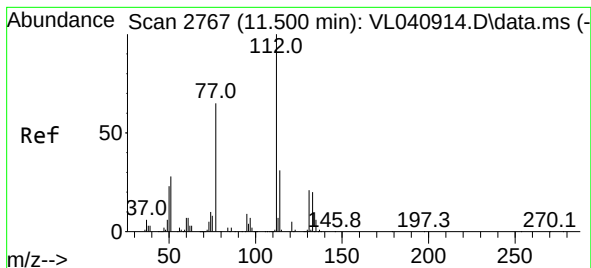


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.603 ppbv  
RT: 11.529 min Scan# 2776  
Delta R.T. 0.010 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



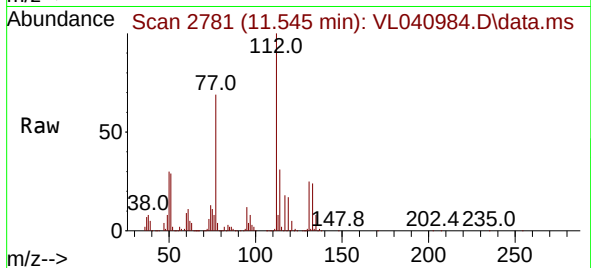
Tgt Ion:131 Resp: 1229869  
Ion Ratio Lower Upper  
131 100  
133 95.3 76.3 114.5  
119 64.5 48.6 73.0





#57  
Chlorobenzene  
Concen: 9.377 ppbv  
RT: 11.545 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

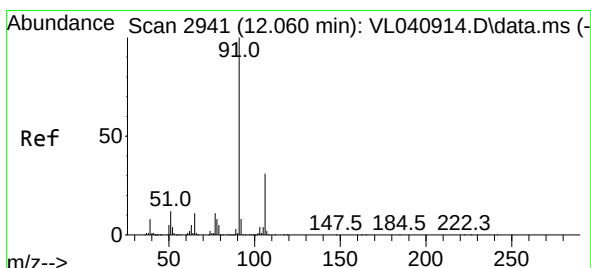
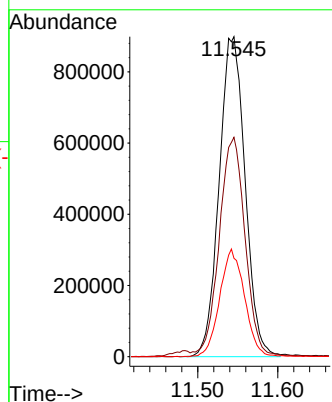
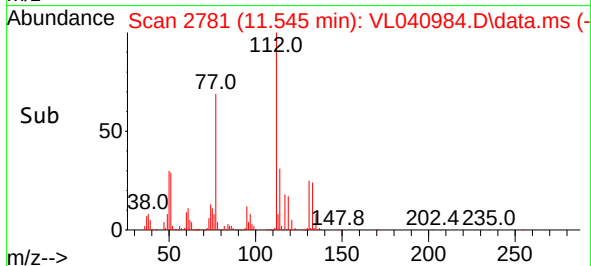
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



Tgt Ion:112 Resp: 2022379  
Ion Ratio Lower Upper  
112 100  
77 68.0 52.7 79.1  
114 30.7 28.4 34.7

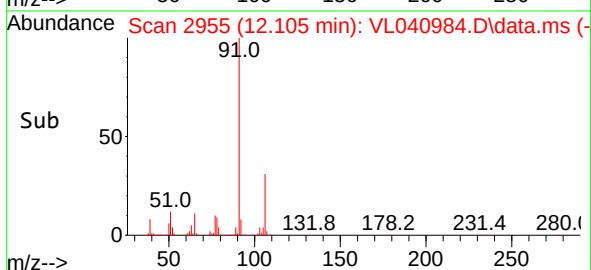
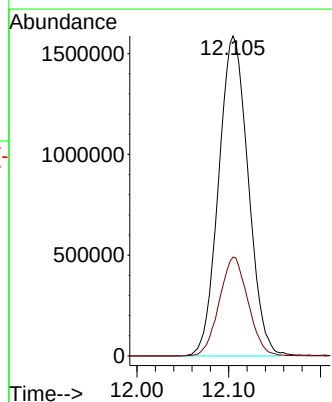
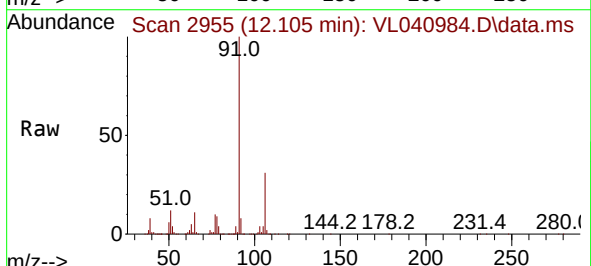
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

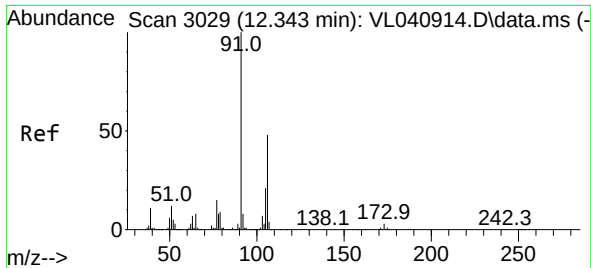


#58  
Ethyl Benzene  
Concen: 9.424 ppbv  
RT: 12.105 min Scan# 2955  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion: 91 Resp: 3545043  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.9 37.3







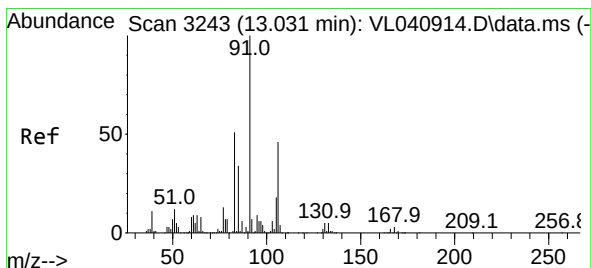
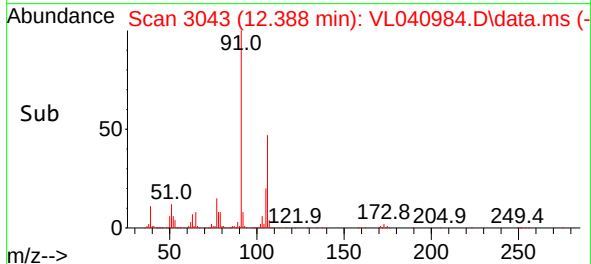
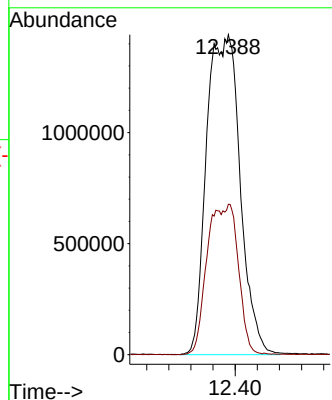
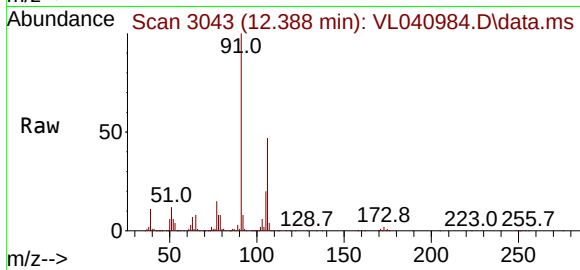
#59  
m/p-Xylene  
Concen: 18.930 ppbv m  
RT: 12.388 min Scan# 3029  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 91 Resp: 605700  
Ion Ratio Lower Upper  
91 100  
106 43.7 0.0 0.0

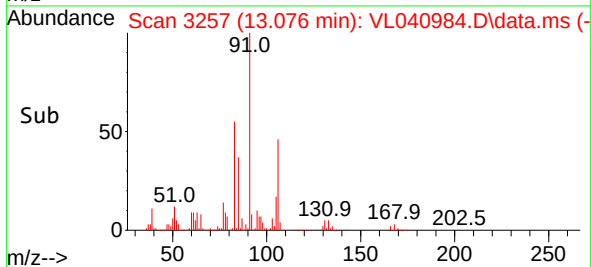
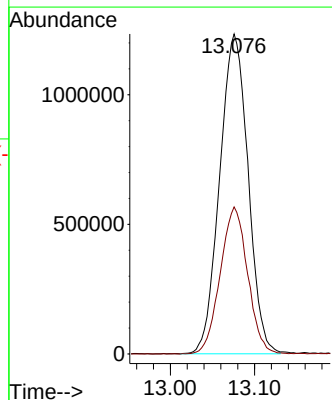
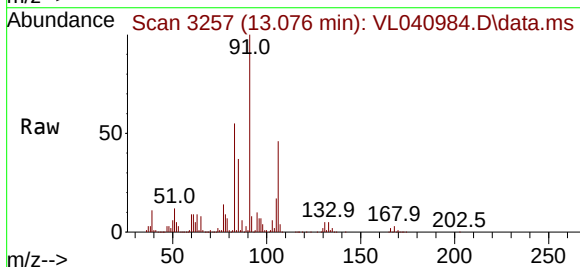
Manual Integrations  
APPROVED

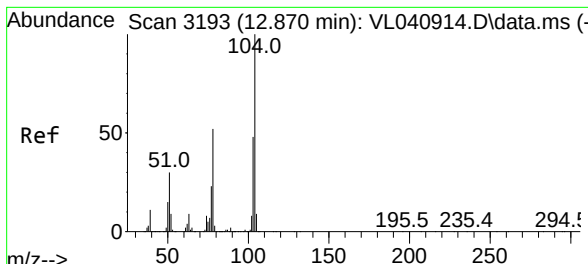
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#60  
o-Xylene  
Concen: 9.577 ppbv  
RT: 13.076 min Scan# 3257  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

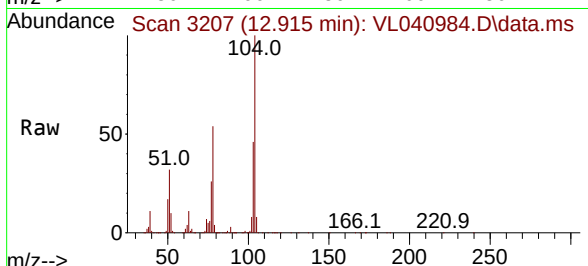
Tgt Ion: 91 Resp: 2887281  
Ion Ratio Lower Upper  
91 100  
106 44.5 22.6 67.7





#61  
 Styrene  
 Concen: 10.201 ppbv  
 RT: 12.915 min Scan# 3193  
 Delta R.T. 0.003 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Instrument : MSVOA\_L  
 ClientSampleId : VL0116ABS01

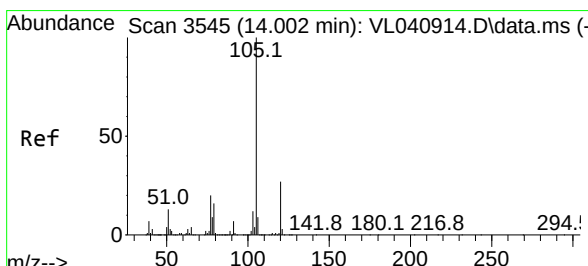
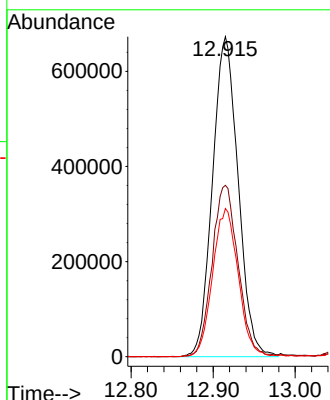
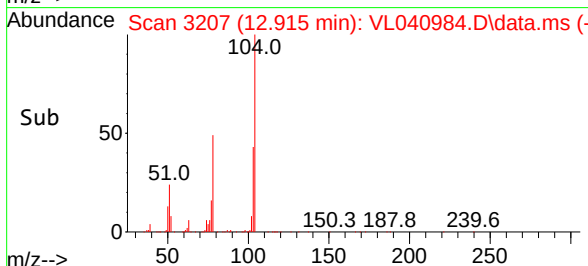


Tgt Ion:104 Resp: 1461874  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 54.9  | 43.0  | 64.4  |
| 103 | 46.5  | 37.6  | 56.4  |

Manual Integrations  
 APPROVED

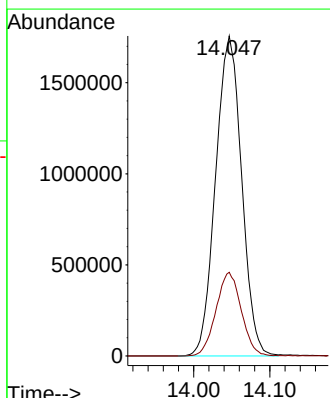
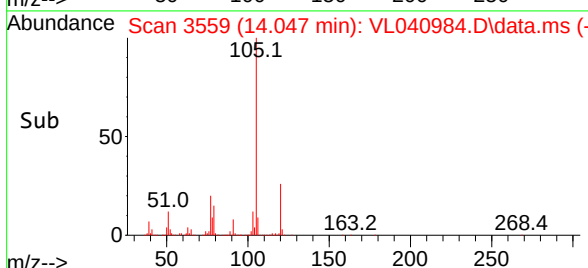
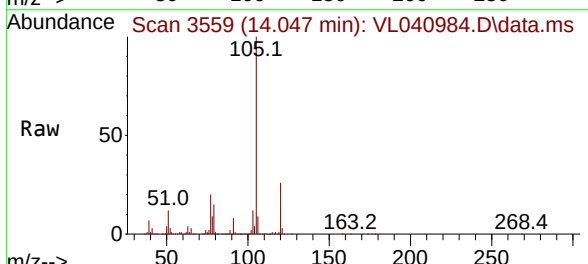
Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

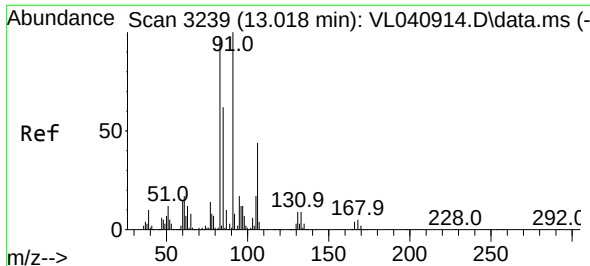


#62  
 Isopropylbenzene  
 Concen: 9.331 ppbv  
 RT: 14.047 min Scan# 3559  
 Delta R.T. 0.006 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Tgt Ion:105 Resp: 4171779  

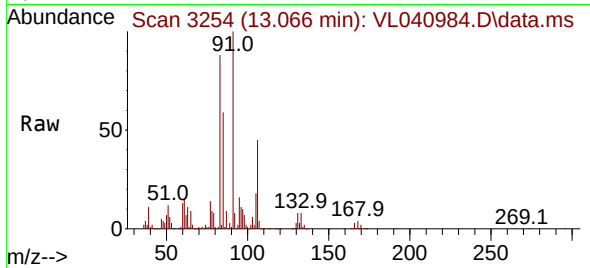
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 25.4  | 20.7  | 31.1  |





#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.589 ppbv  
RT: 13.066 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

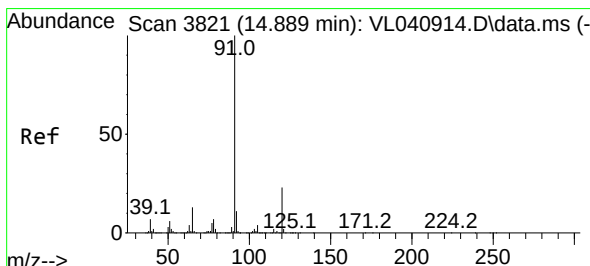
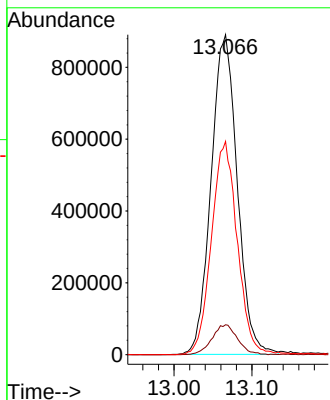
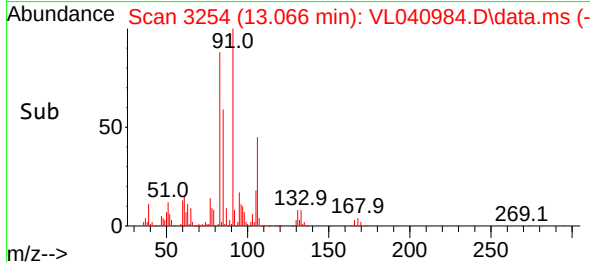
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



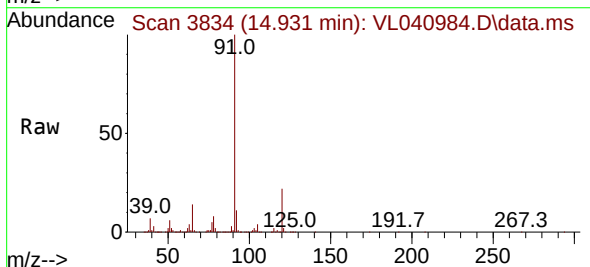
Tgt Ion: 83 Resp: 208266  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.7 14.0  
85 66.2 32.6 98.0

Manual Integrations  
APPROVED

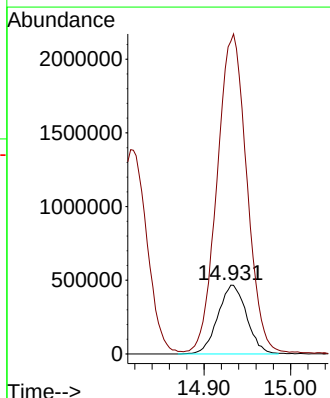
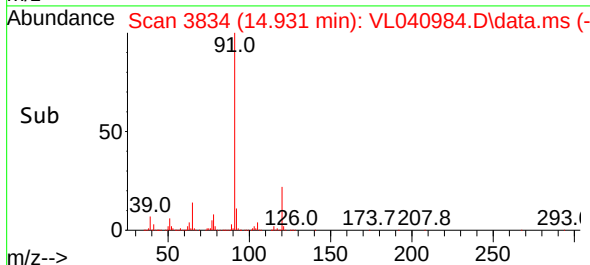
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

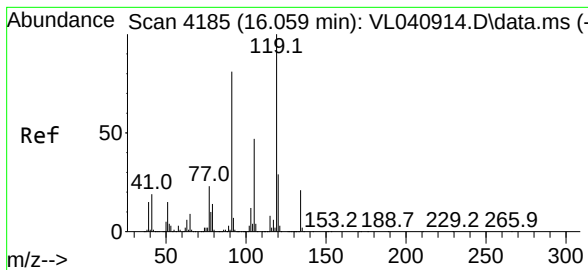


#64  
n-propylbenzene  
Concen: 9.594 ppbv  
RT: 14.931 min Scan# 3834  
Delta R.T. -0.000 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



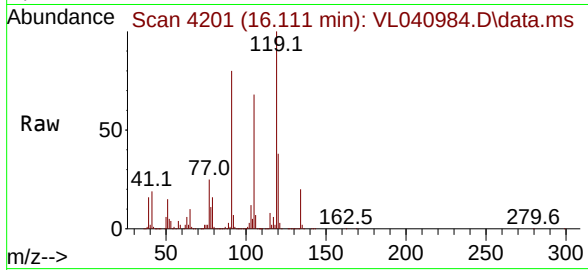
Tgt Ion:120 Resp: 1075893  
Ion Ratio Lower Upper  
120 100  
91 485.5 381.9 572.9





#65  
tert-Butylbenzene  
Concen: 9.562 ppbv  
RT: 16.111 min Scan# 4185  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

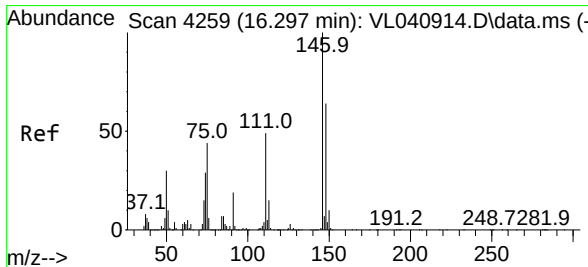
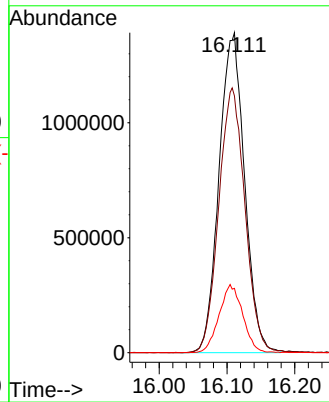
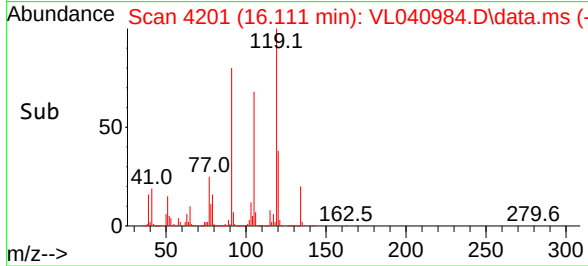
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



Tgt Ion:119 Resp: 3633710  
Ion Ratio Lower Upper  
119 100  
91 85.2 67.2 100.8  
134 19.9 15.8 23.6

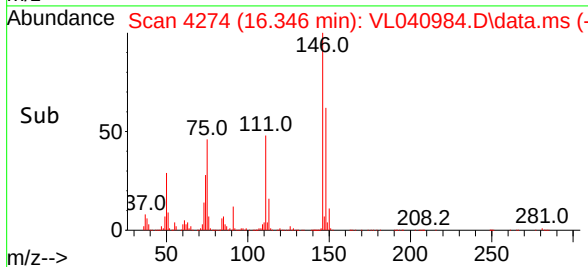
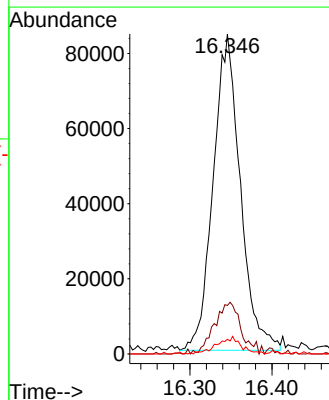
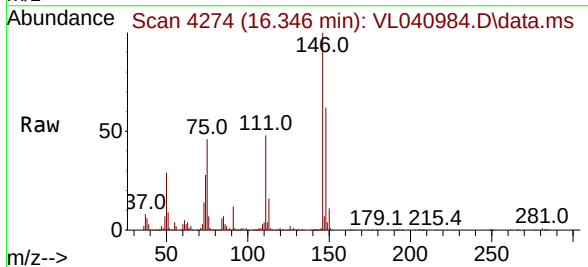
Manual Integrations  
APPROVED

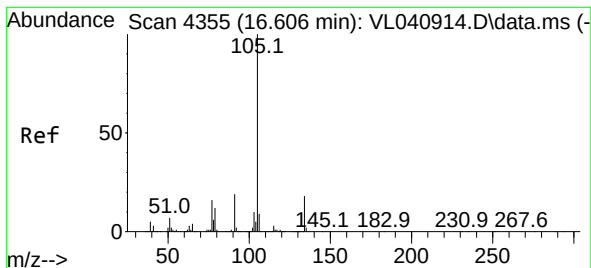
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#66  
Benzyl Chloride  
Concen: 7.425 ppbv  
RT: 16.346 min Scan# 4274  
Delta R.T. 0.006 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

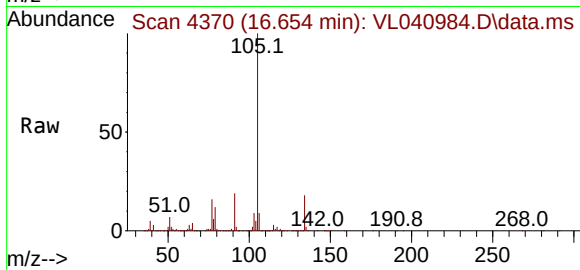
Tgt Ion: 91 Resp: 193092  
Ion Ratio Lower Upper  
91 100  
126 17.0 14.1 21.1  
128 5.0 4.6 6.8





#67  
 sec-Butylbenzene  
 Concen: 9.287 ppbv  
 RT: 16.654 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

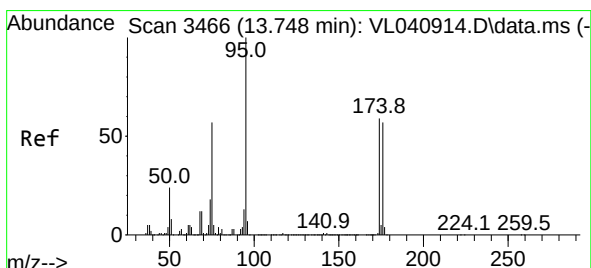
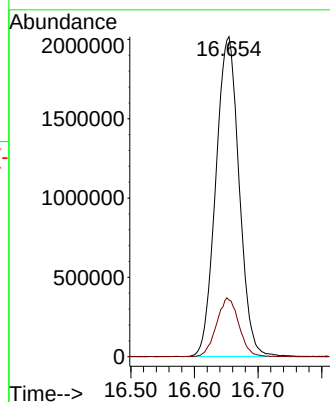
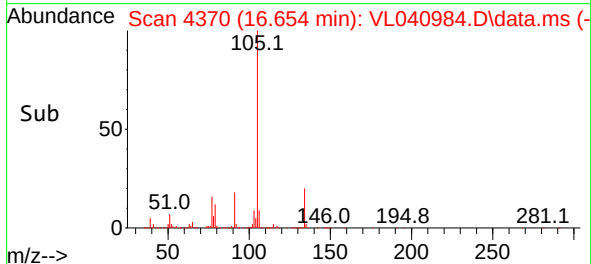
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01



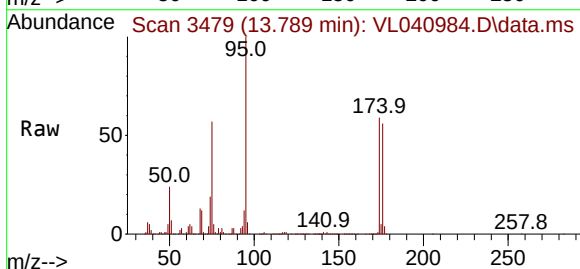
Tgt Ion:105 Resp: 5129049  
 Ion Ratio Lower Upper  
 105 100  
 134 17.6 14.4 21.6

Manual Integrations  
 APPROVED

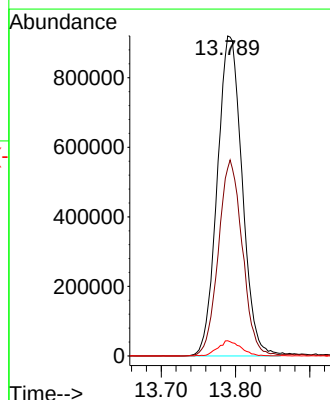
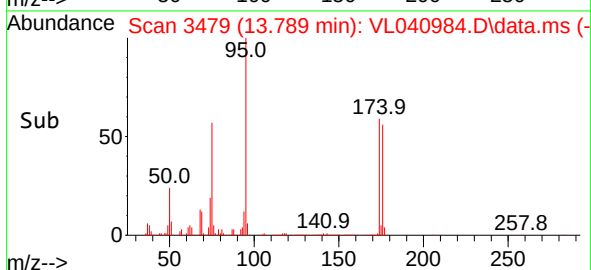
Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

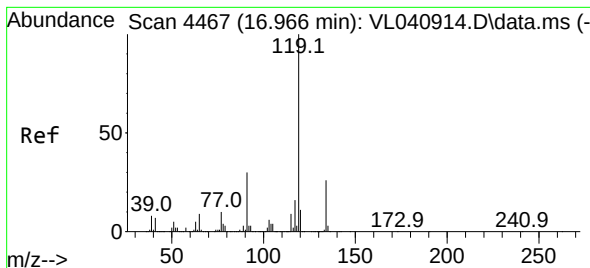


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.931 ppbv  
 RT: 13.789 min Scan# 3479  
 Delta R.T. -0.000 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56



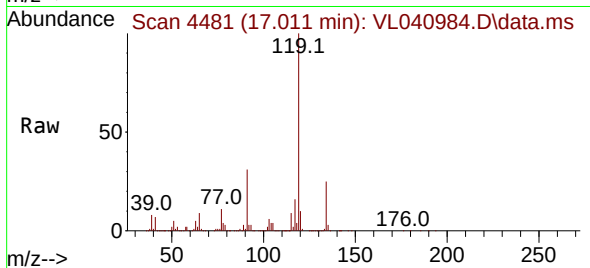
Tgt Ion: 95 Resp: 2142353  
 Ion Ratio Lower Upper  
 95 100  
 174 59.7 48.0 72.0  
 175 4.5 3.7 5.5





#69  
p-Isopropyltoluene  
Concen: 9.551 ppbv  
RT: 17.011 min Scan# 4467  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

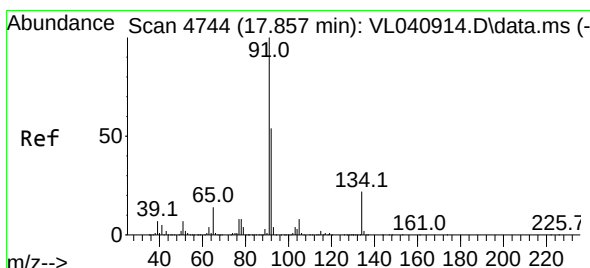
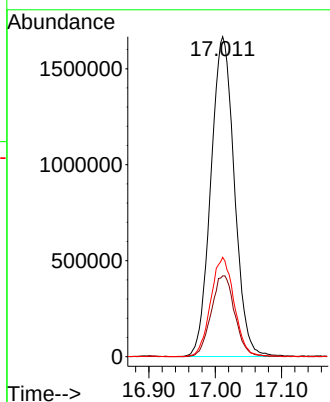
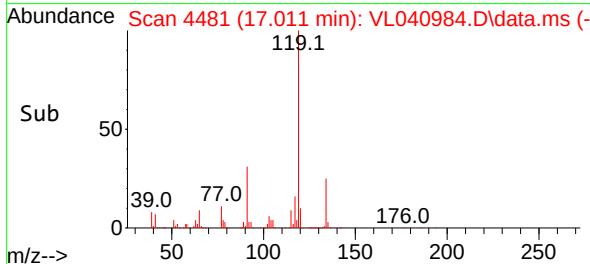
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



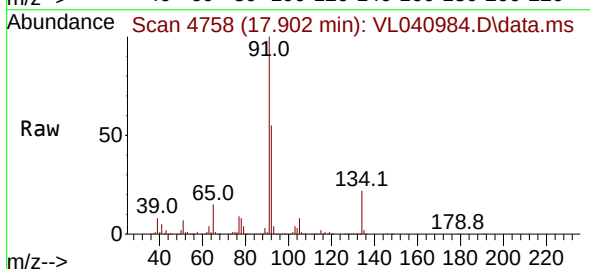
Tgt Ion:119 Resp: 4099792  
Ion Ratio Lower Upper  
119 100  
134 25.5 20.3 30.5  
91 31.1 24.1 36.1

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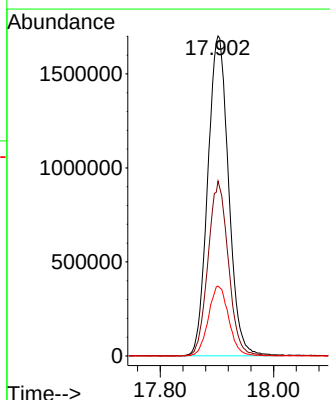
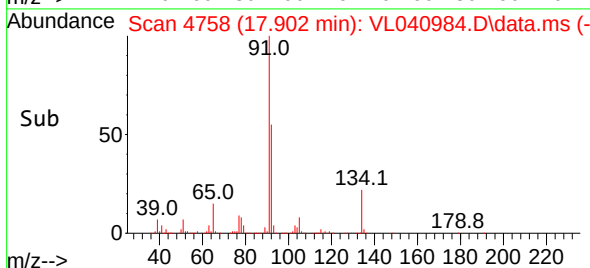
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

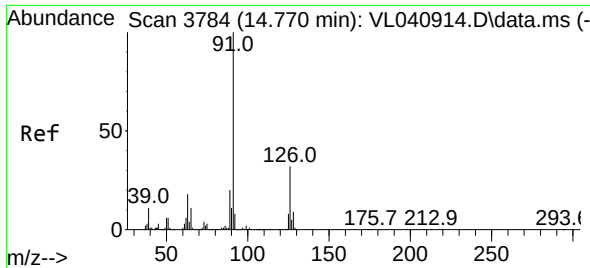


#70  
n-Butylbenzene  
Concen: 9.747 ppbv  
RT: 17.902 min Scan# 4758  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



Tgt Ion: 91 Resp: 4343795  
Ion Ratio Lower Upper  
91 100  
92 53.3 43.4 65.0  
134 21.4 17.6 26.4





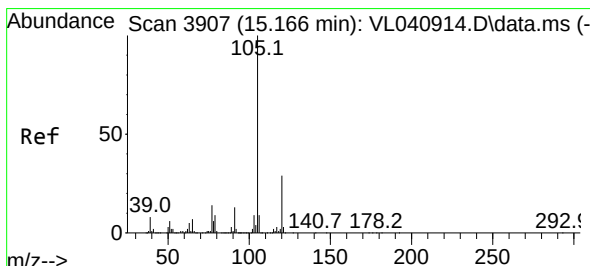
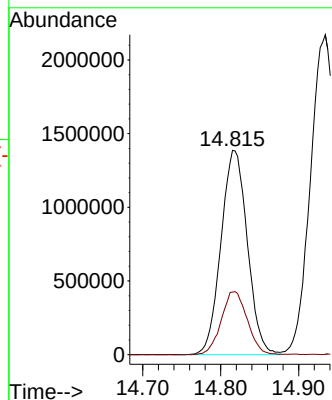
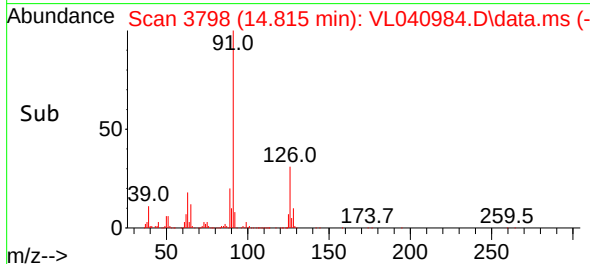
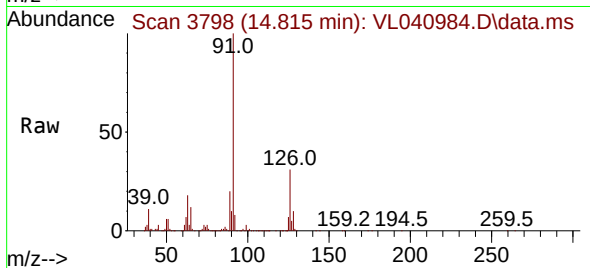
#71  
2-Chlorotoluene  
Concen: 9.476 ppbv  
RT: 14.815 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01

Tgt Ion: 91 Resp: 3262428  
Ion Ratio Lower Upper  
91 100  
126 30.5 12.4 49.6

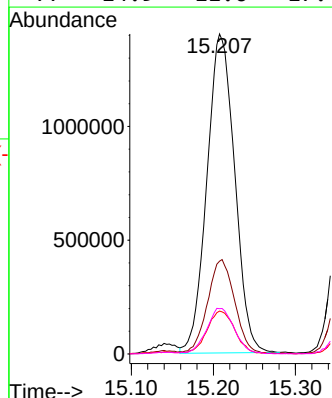
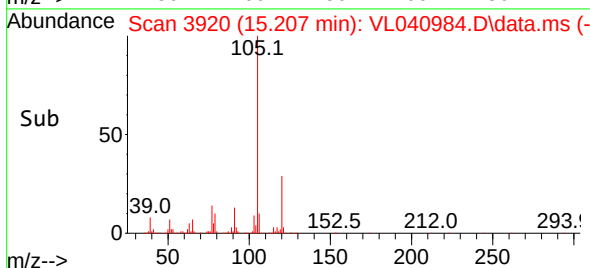
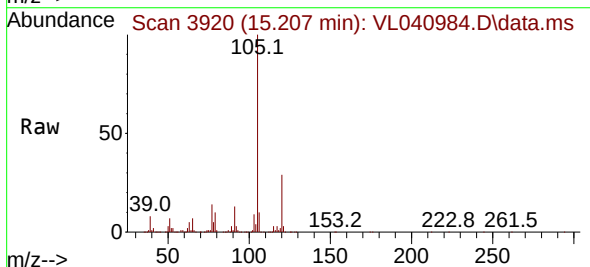
Manual Integrations  
APPROVED

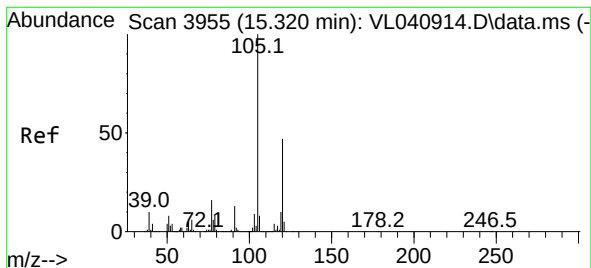
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024



#72  
4-Ethyltoluene  
Concen: 9.967 ppbv  
RT: 15.207 min Scan# 3920  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

Tgt Ion:105 Resp: 3297989  
Ion Ratio Lower Upper  
105 100  
120 30.2 23.8 35.8  
91 14.1 10.9 16.3  
77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.800 ppbv

RT: 15.368 min Scan# 3955

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01

Tgt Ion:105 Resp: 2798828

Ion Ratio Lower Upper

105 100

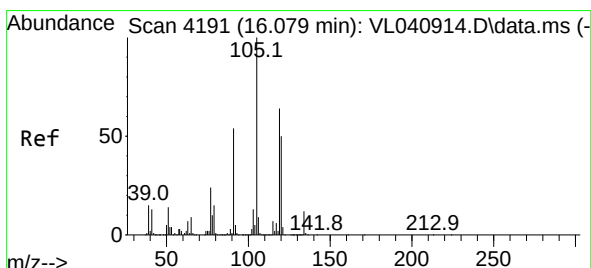
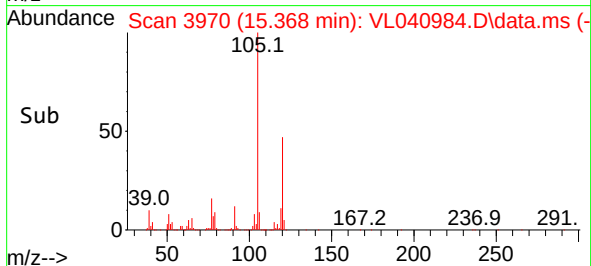
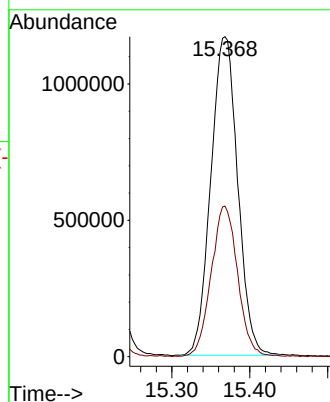
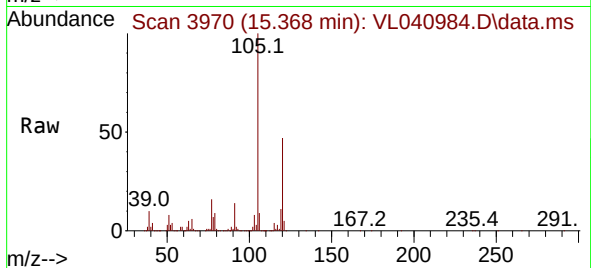
120 47.1 37.8 56.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.673 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

Tgt Ion:105 Resp: 3074473

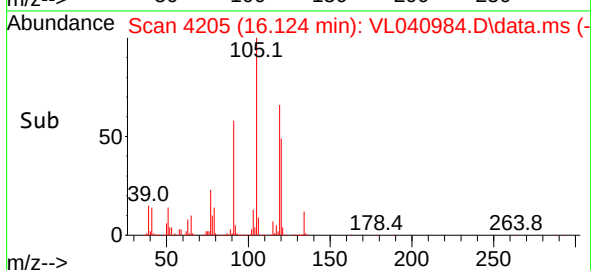
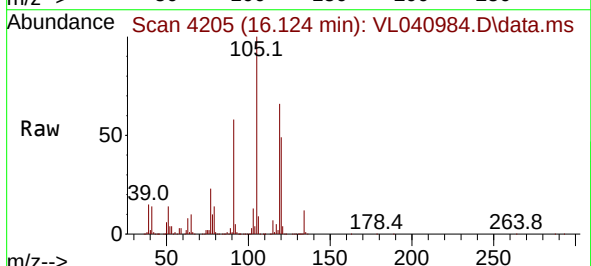
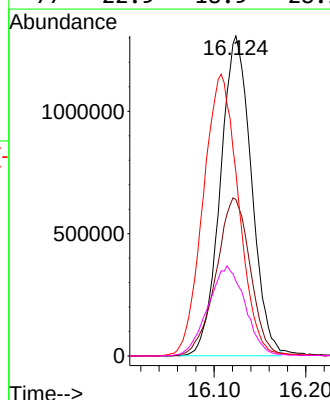
Ion Ratio Lower Upper

105 100

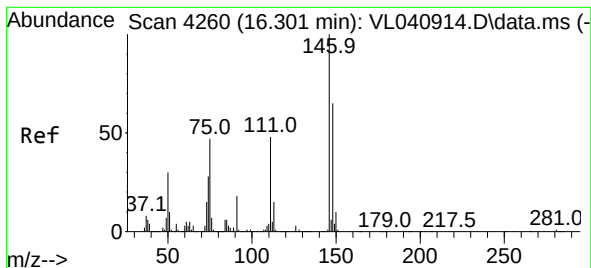
120 48.4 40.2 60.4

91 56.8 43.0 64.6

77 22.9 18.9 28.3







#75

1,3-Dichlorobenzene

Concen: 9.592 ppbv

RT: 16.346 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040984.D

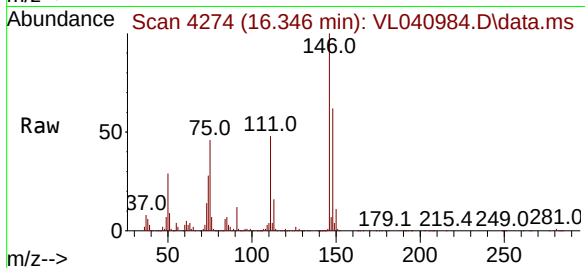
Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01



Tgt Ion:146 Resp: 1741308

Ion Ratio Lower Upper

146 100

111 49.0 24.7 74.1

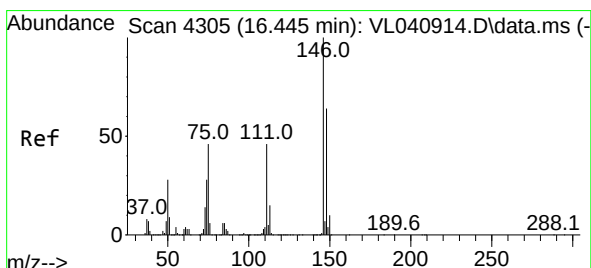
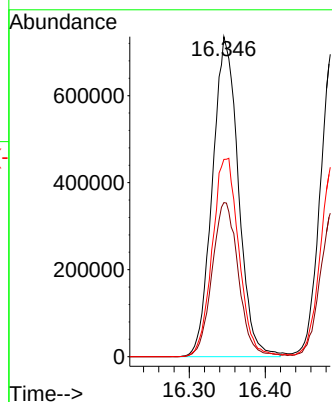
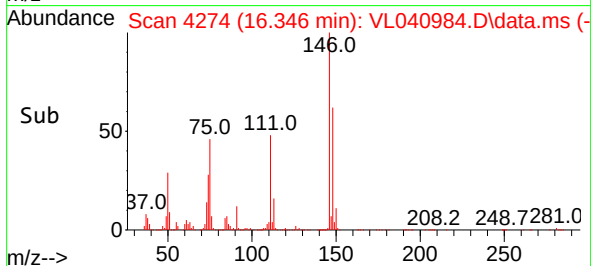
148 63.9 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#76

1,4-Dichlorobenzene

Concen: 9.463 ppbv

RT: 16.490 min Scan# 4319

Delta R.T. 0.003 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

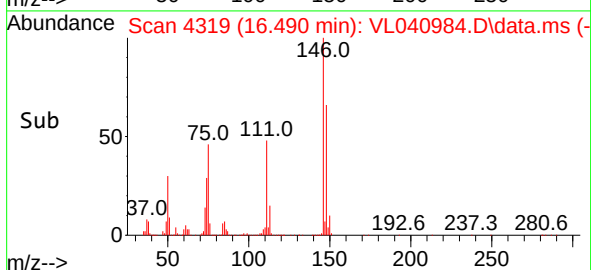
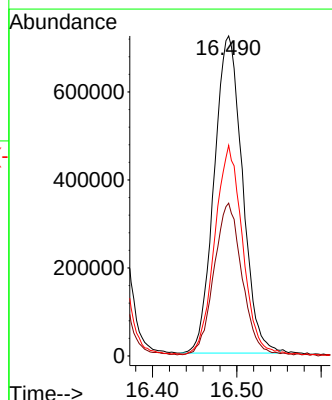
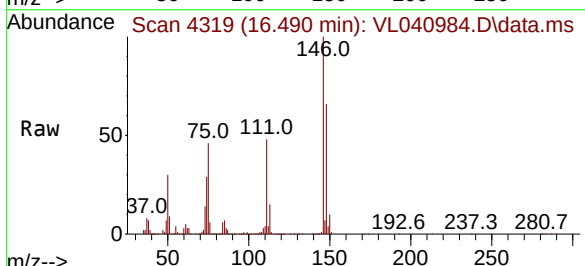
Tgt Ion:146 Resp: 1680640

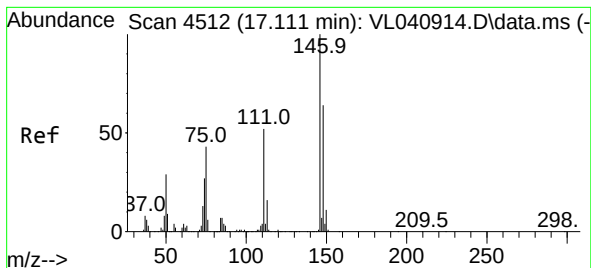
Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.4

148 66.2 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 9.424 ppbv

RT: 17.156 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040984.D

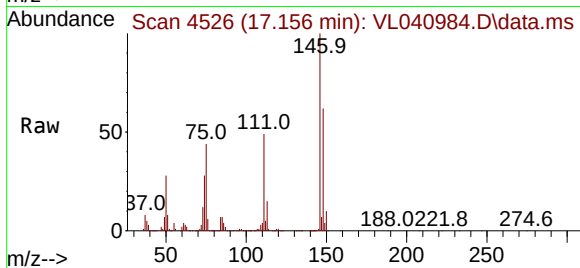
Acq: 16 Jan 2024 12:56

Instrument :

MSVOA\_L

ClientSampleId :

VL0116ABS01



Tgt Ion:146 Resp: 1648318

Ion Ratio Lower Upper

146 100

111 50.5 25.5 76.5

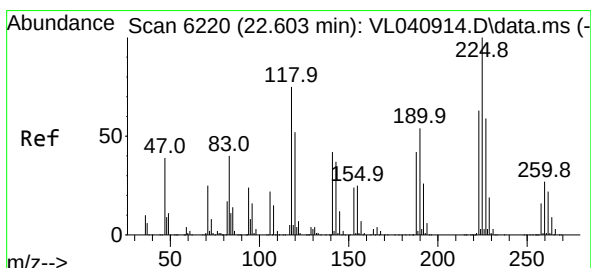
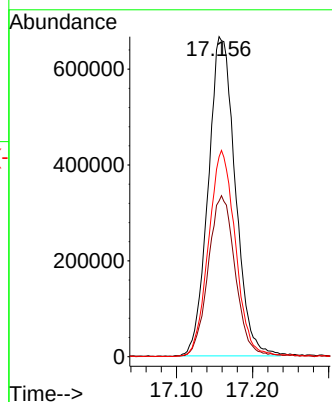
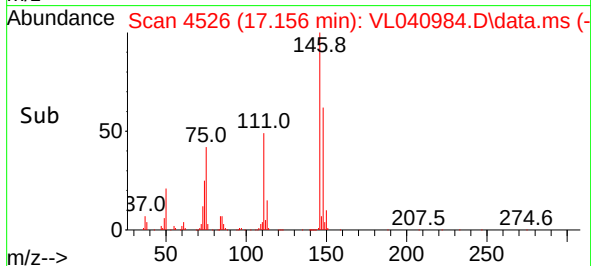
148 64.6 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024

Supervised By :Mahesh Dadoda 01/17/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.140 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.006 min

Lab File: VL040984.D

Acq: 16 Jan 2024 12:56

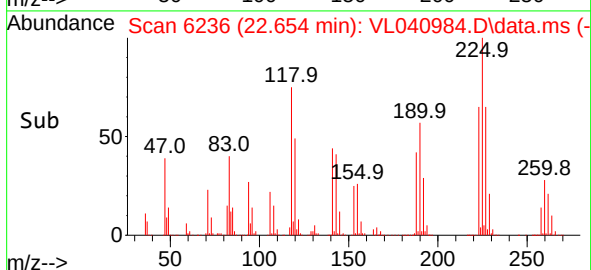
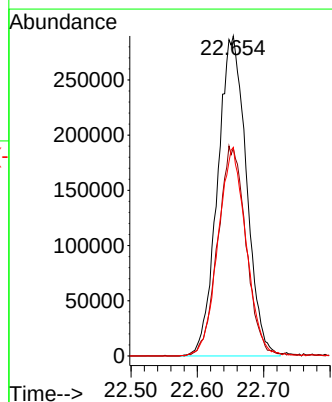
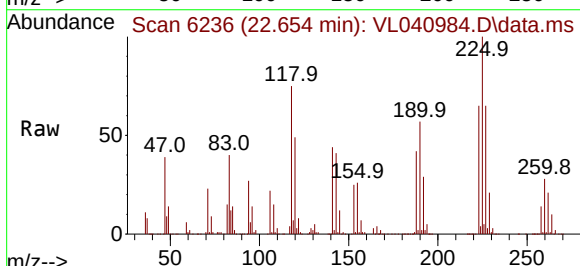
Tgt Ion:225 Resp: 875583

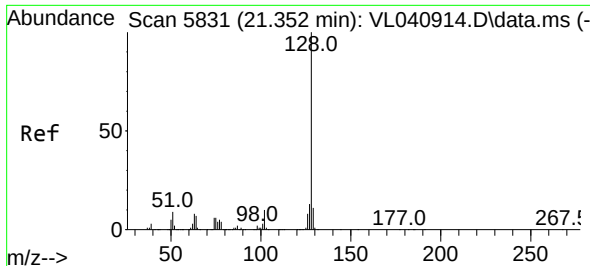
Ion Ratio Lower Upper

225 100

223 64.5 51.5 77.3

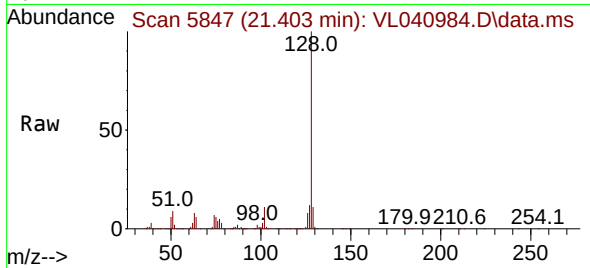
227 63.7 51.7 77.5





#79  
Naphthalene  
Concen: 12.641 ppbv  
RT: 21.403 min Scan# 5847  
Delta R.T. -0.000 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56

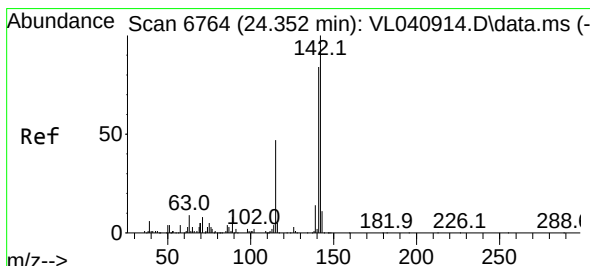
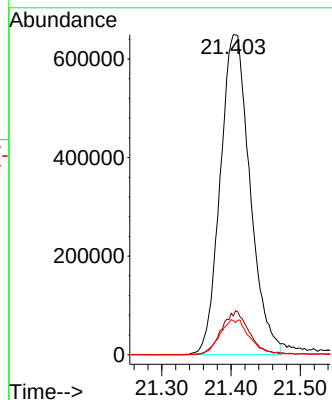
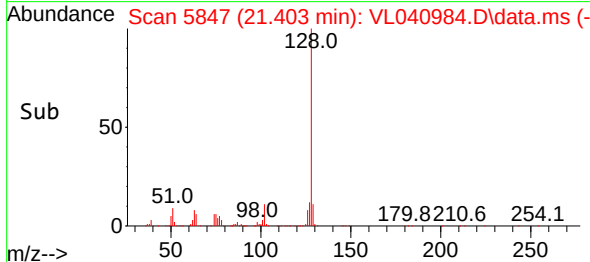
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0116ABS01



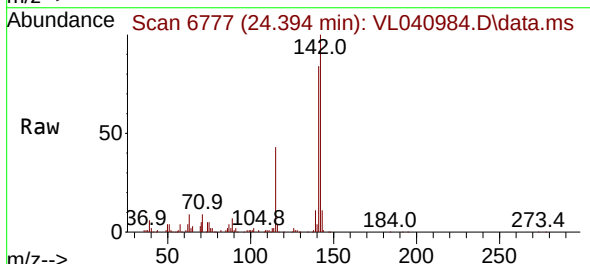
Tgt Ion:128 Resp: 193584  
Ion Ratio Lower Upper  
128 100  
127 12.1 10.6 15.8  
129 10.6 8.7 13.1

Manual Integrations  
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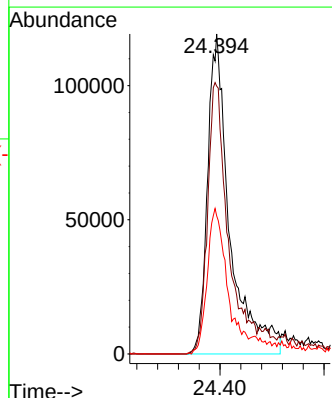
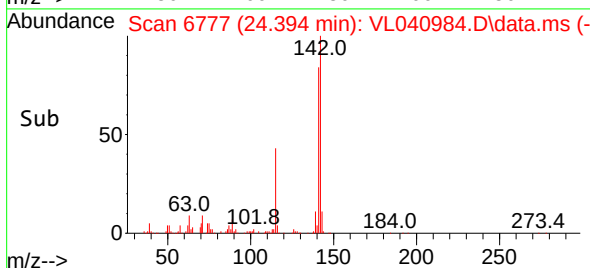
Reviewed By :Semsettin Yesilyurt 01/17/2024  
Supervised By :Mahesh Dadoda 01/17/2024

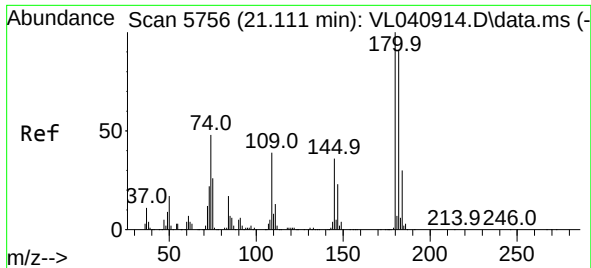


#80  
Naphthalene,2-methyl-  
Concen: 12.671 ppbv  
RT: 24.394 min Scan# 6777  
Delta R.T. 0.003 min  
Lab File: VL040984.D  
Acq: 16 Jan 2024 12:56



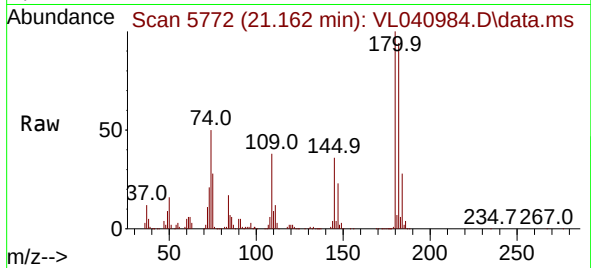
Tgt Ion:142 Resp: 354673  
Ion Ratio Lower Upper  
142 100  
141 82.6 68.5 102.7  
115 47.9 34.5 51.7





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.214 ppbv  
 RT: 21.162 min Scan# 51  
 Delta R.T. 0.010 min  
 Lab File: VL040984.D  
 Acq: 16 Jan 2024 12:56

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0116ABS01



Tgt Ion:180 Resp: 985880  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 79.4 119.0  
 184 30.1 24.5 36.7

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2024  
 Supervised By :Mahesh Dadoda 01/17/2024

