

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060523\  
 Data File : VL040461.D  
 Acq On : 5 Jun 2023 18:08  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2023  
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 06:00:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 05:55:55 2023

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.192  | 49   | 1060477  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.658  | 114  | 2629444  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.478 | 117  | 2606912  | 10.000 | ppbv  | # 0.00   |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2172491 10.097 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.719 | 85  | 3127083 | 13.549 | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 2.665 | 51  | 2292739 | 13.200 | ppbv   | 100    |
| 4) Chloromethane              | 2.803 | 50  | 895416  | 13.318 | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.909 | 62  | 983107  | 14.280 | ppbv   | 100    |
| 6) Bromomethane               | 3.108 | 94  | 493201  | 14.050 | ppbv   | 96     |
| 7) Chloroethane               | 3.189 | 64  | 357876  | 14.203 | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 2.848 | 85  | 2447250 | 13.426 | ppbv   | 99     |
| 9) Propene                    | 2.684 | 41  | 725739  | 13.550 | ppbv   | 99     |
| 10) Heptane                   | 7.584 | 43  | 1881141 | 15.517 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.555 | 101 | 2500272 | 13.303 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.060 | 101 | 1853621 | 14.119 | ppbv   | 99     |
| 13) Ethanol                   | 3.227 | 45  | 161076  | 15.462 | ppbv   | 100    |
| 14) Bromoethene               | 3.356 | 108 | 793107  | 14.443 | ppbv   | 97     |
| 15) Acetone                   | 3.459 | 43  | 1636171 | 12.792 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 2.973 | 39  | 903458  | 14.400 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.870 | 59  | 1363266 | 12.757 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.873 | 96  | 847926  | 14.495 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.565 | 45  | 820760  | 13.313 | ppbv   | 98     |
| 20) Methylene Chloride        | 3.925 | 84  | 700440  | 12.644 | ppbv   | 98     |
| 21) Allyl Chloride            | 3.989 | 41  | 1046710 | 14.488 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.439 | 96  | 875792  | 14.592 | ppbv   | 98     |
| 23) Vinyl Acetate             | 4.623 | 43  | 1870740 | 15.042 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.562 | 63  | 1754878 | 14.003 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.201 | 43  | 3216809 | 13.879 | ppbv   | 100    |
| 26) Hexane                    | 5.211 | 57  | 1484602 | 13.527 | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.118 | 76  | 2157340 | 15.717 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 4.581 | 73  | 1217269 | 14.141 | ppbv   | 100    |
| 29) Chloroform                | 5.275 | 83  | 2582865 | 13.816 | ppbv   | 96     |
| 30) Cyclohexane               | 6.606 | 84  | 1236992 | 15.147 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.076 | 61  | 1545517 | 14.719 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.005 | 97  | 2635795 | 14.160 | ppbv   | 99     |
| 34) 2-Butanone                | 4.783 | 43  | 1868571 | 14.737 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.494 | 117 | 2741013 | 15.160 | ppbv   | 95     |
| 36) Benzene                   | 6.372 | 78  | 3066740 | 14.659 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.809 | 62  | 2023980 | 14.854 | ppbv   | 99     |
| 38) Trichloroethene           | 7.295 | 130 | 1300266 | 16.175 | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.076 | 63  | 1194305 | 14.630 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.291 | 88  | 319160  | 14.286 | ppbv # | 100    |
| 41) Tetrahydrofuran           | 5.555 | 42  | 1059591 | 15.390 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.256 | 83  | 2826219 | 15.062 | ppbv   | 100    |
| 43) Methyl Methacrylate       | 7.481 | 69  | 1257638 | 16.738 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 7.330 | 57  | 5063793 | 14.828 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.719 | 75  | 1047405 | 18.830 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL060523\  
 Data File : VL040461.D  
 Acq On : 5 Jun 2023 18:08  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2023  
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 06:00:43 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL060523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2023

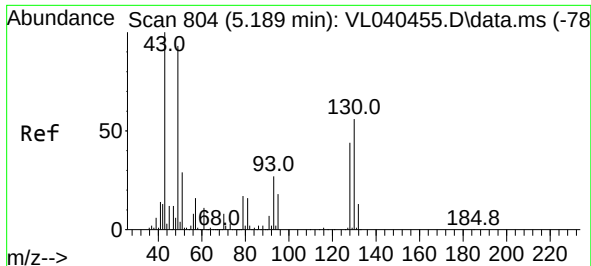
QLast Update : Tue Jun 06 05:55:55 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 8.150  | 75   | 1187076  | 17.680 | ppbv  | 98       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 1331693  | 15.042 | ppbv  | 98       |
| 48) Dibromochloromethane      | 9.719  | 129  | 2303743  | 16.261 | ppbv  | 99       |
| 49) Bromoform                 | 12.420 | 173  | 1798183  | 16.830 | ppbv  | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 2720145  | 16.103 | ppbv  | 100      |
| 51) 2-Hexanone                | 9.558  | 43   | 1969919  | 16.831 | ppbv  | 99       |
| 52) Tetrachloroethene         | 10.622 | 164  | 1117415  | 17.016 | ppbv  | 96       |
| 53) Toluene                   | 9.230  | 91   | 3620968  | 16.437 | ppbv  | 100      |
| 54) 1,2-Dibromoethane         | 10.018 | 107  | 1966842  | 16.893 | ppbv  | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.523 | 131  | 1736478  | 14.171 | ppbv  | 97       |
| 57) Chlorobenzene             | 11.536 | 112  | 2827424  | 14.349 | ppbv  | 98       |
| 58) Ethyl Benzene             | 12.098 | 91   | 5001690  | 15.849 | ppbv  | 98       |
| 59) m/p-Xylene                | 12.384 | 91   | 8732962m | 30.173 | ppbv  |          |
| 60) o-Xylene                  | 13.069 | 91   | 4224800  | 15.344 | ppbv  | 99       |
| 61) Styrene                   | 12.909 | 104  | 2159054  | 18.224 | ppbv  | 99       |
| 62) Isopropylbenzene          | 14.044 | 105  | 6074111  | 14.841 | ppbv  | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.060 | 83   | 2617894  | 14.488 | ppbv  | 99       |
| 64) n-propylbenzene           | 14.928 | 120  | 1605471  | 16.748 | ppbv  | 95       |
| 65) tert-Butylbenzene         | 16.105 | 119  | 5283098  | 14.926 | ppbv  | 98       |
| 66) Benzyl Chloride           | 16.339 | 91   | 461909   | 17.586 | ppbv  | 100      |
| 67) sec-Butylbenzene          | 16.648 | 105  | 7545671  | 14.737 | ppbv  | 99       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 6215184  | 15.281 | ppbv  | 100      |
| 70) n-Butylbenzene            | 17.899 | 91   | 6821965  | 15.017 | ppbv  | 98       |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 4753192  | 15.640 | ppbv  | 100      |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 4968481  | 16.022 | ppbv  | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 4308843  | 15.720 | ppbv  | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.124 | 105  | 4793368  | 14.865 | ppbv  | 96       |
| 75) 1,3-Dichlorobenzene       | 16.342 | 146  | 2715195  | 15.045 | ppbv  | 99       |
| 76) 1,4-Dichlorobenzene       | 16.484 | 146  | 2699984  | 15.107 | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 17.153 | 146  | 2526441  | 14.602 | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.648 | 225  | 1867347  | 14.121 | ppbv  | 100      |
| 79) Naphthalene               | 21.400 | 128  | 3686741  | 19.935 | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 24.381 | 142  | 1243787  | 23.915 | ppbv  | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.153 | 180  | 2108927  | 16.450 | ppbv  | 100      |

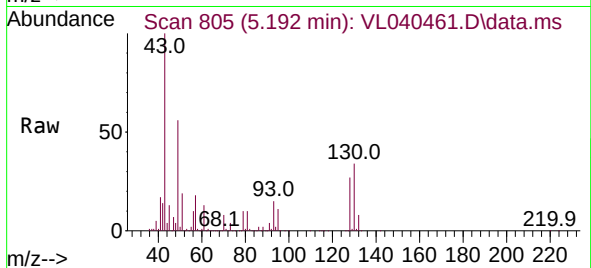
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 804  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

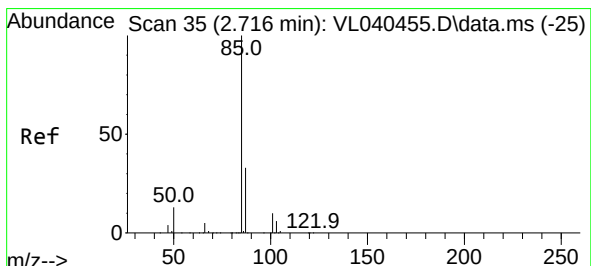
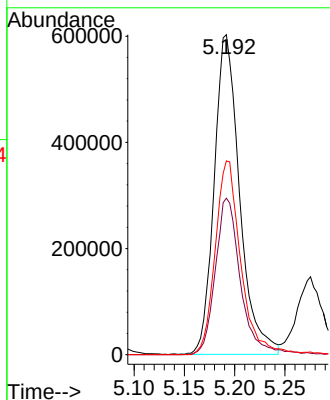
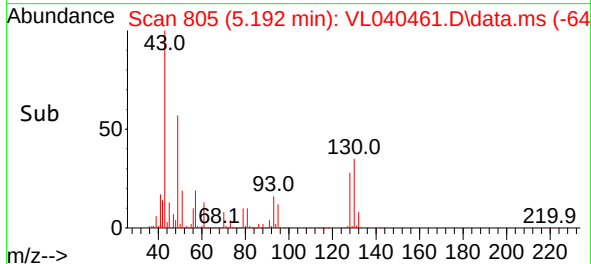
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 49 Resp: 106047  
Ion Ratio Lower Upper  
49 100  
128 48.9 24.7 74.1  
130 61.8 31.4 94.2

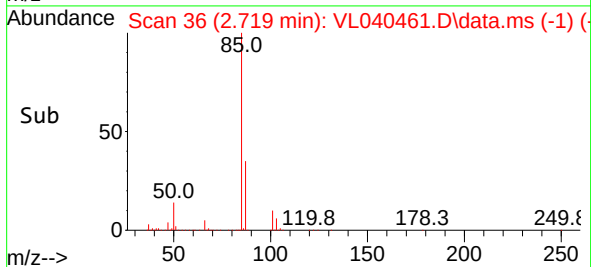
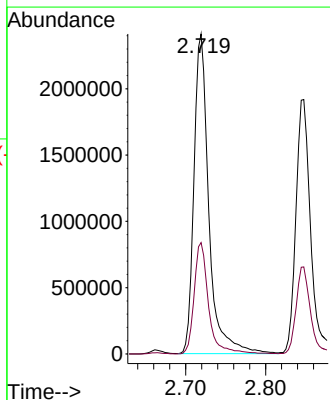
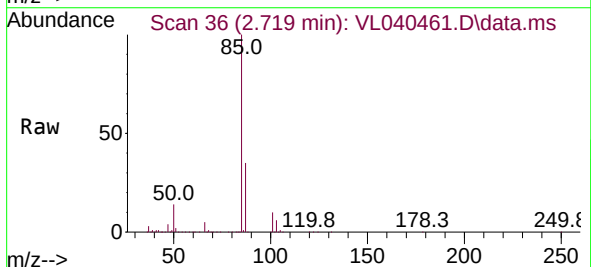
Manual Integrations  
APPROVED

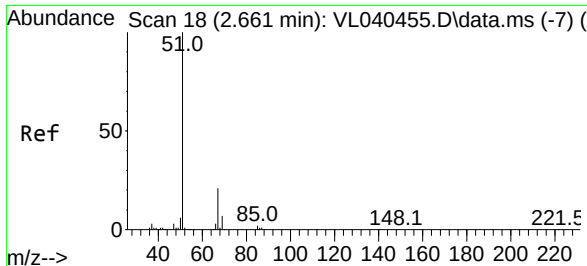
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#2  
Dichlorodifluoromethane  
Concen: 13.549 ppbv  
RT: 2.719 min Scan# 36  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

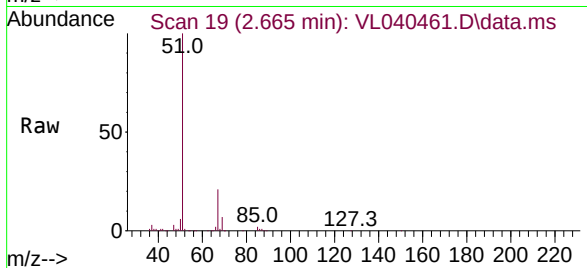
Tgt Ion: 85 Resp: 3127083  
Ion Ratio Lower Upper  
85 100  
87 34.8 26.6 39.8





#3  
Chlorodifluoromethane  
Concen: 13.200 ppbv  
RT: 2.665 min Scan# 19  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

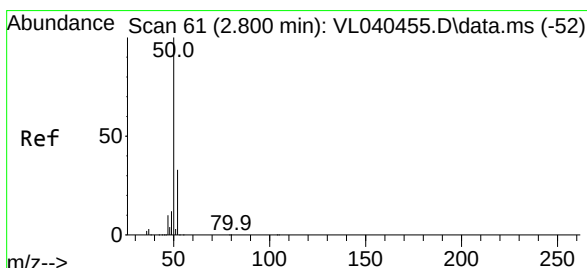
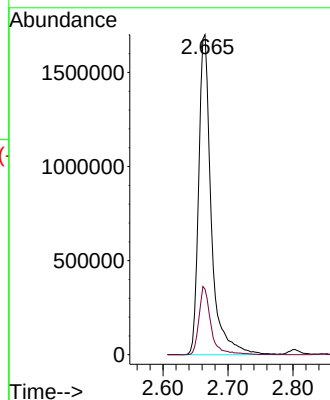
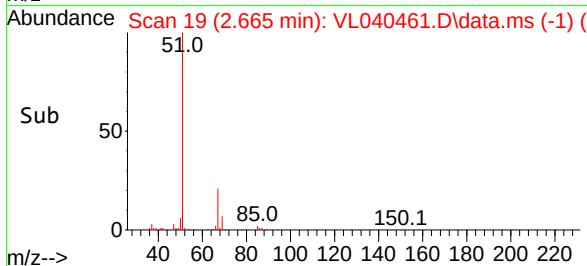
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 51 Resp: 2292739  
Ion Ratio Lower Upper  
51 100  
67 20.4 16.3 24.5

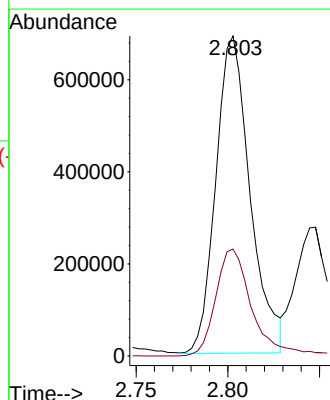
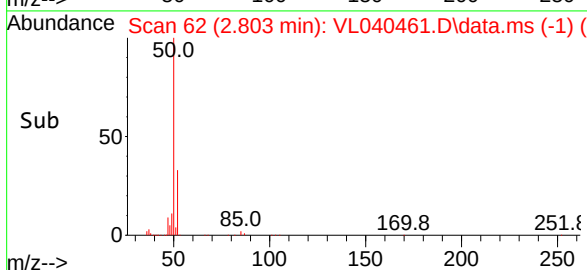
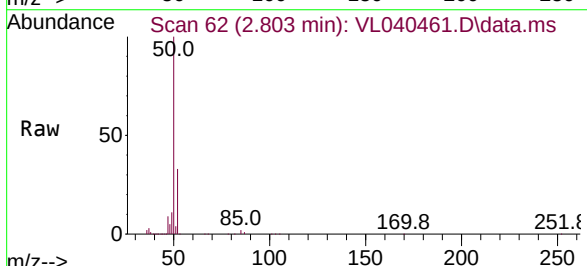
Manual Integrations  
APPROVED

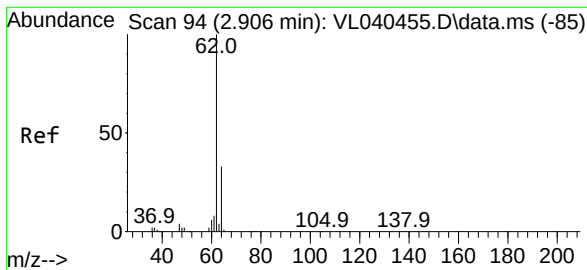
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#4  
Chloromethane  
Concen: 13.318 ppbv  
RT: 2.803 min Scan# 62  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 50 Resp: 895416  
Ion Ratio Lower Upper  
50 100  
52 33.7 26.3 39.5





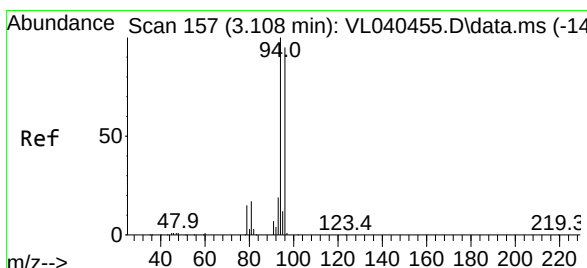
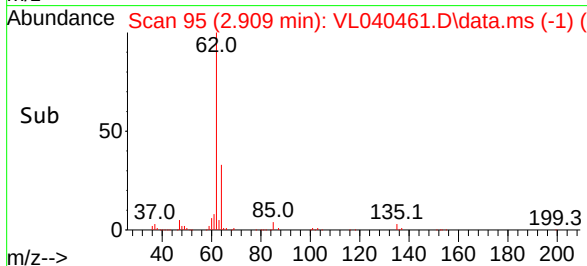
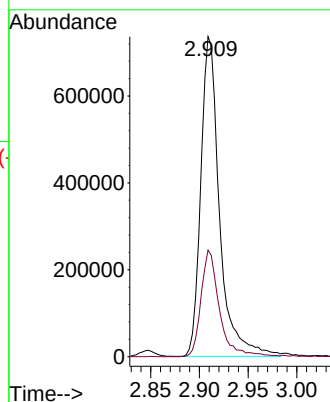
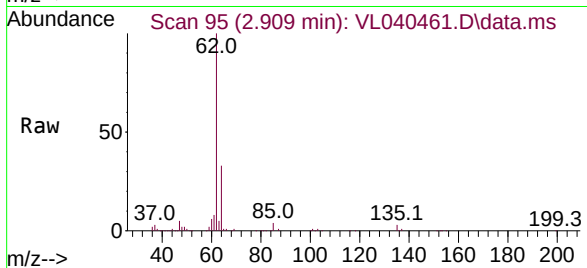
#5  
 Vinyl Chloride  
 Concen: 14.280 ppbv  
 RT: 2.909 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 62 Resp: 98310  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 26.8 40.2

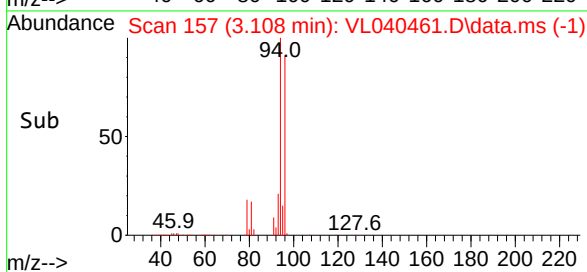
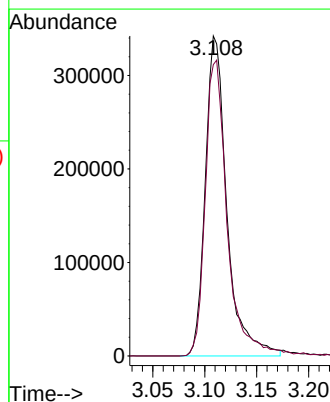
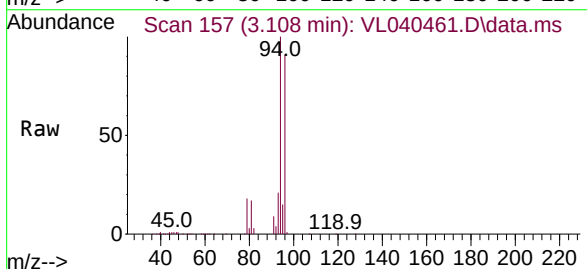
Manual Integrations  
 APPROVED

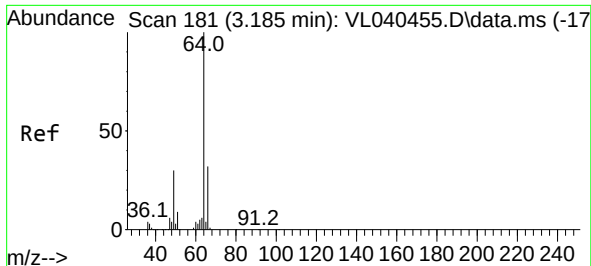
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023



#6  
 Bromomethane  
 Concen: 14.050 ppbv  
 RT: 3.108 min Scan# 157  
 Delta R.T. -0.000 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

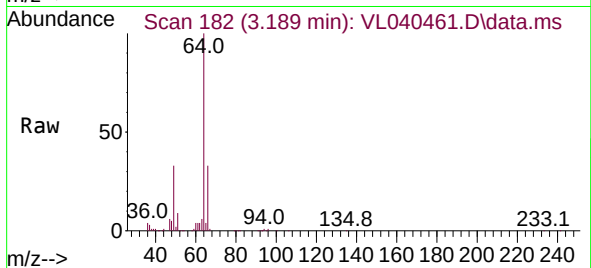
Tgt Ion: 94 Resp: 493201  
 Ion Ratio Lower Upper  
 94 100  
 96 91.1 75.8 113.8





#7  
Chloroethane  
Concen: 14.203 ppbv  
RT: 3.189 min Scan# 181  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

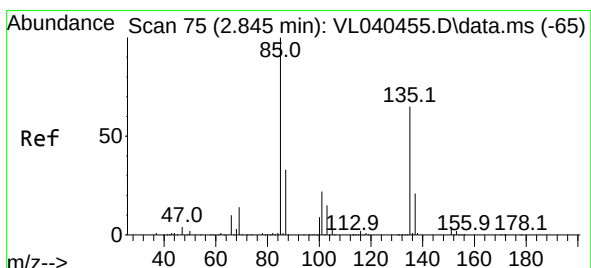
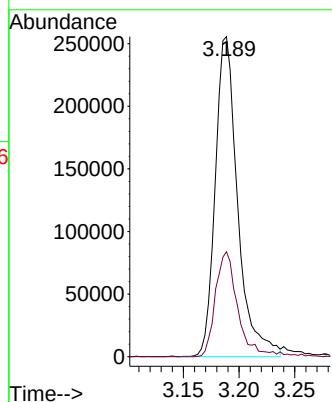
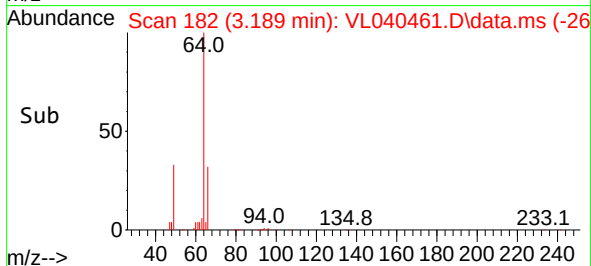
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion: 64 Resp: 357870  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.6 38.4

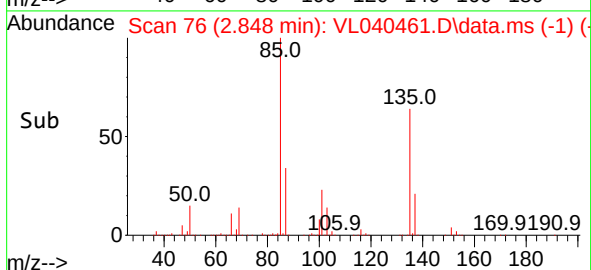
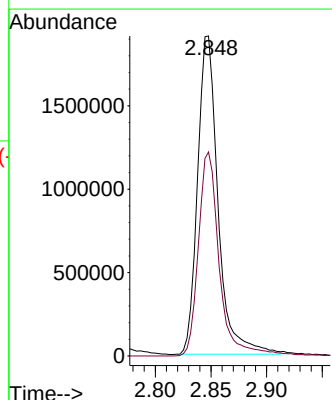
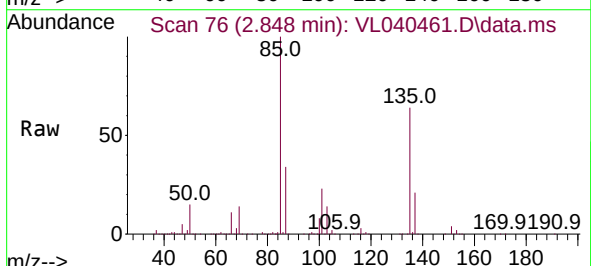
Manual Integrations  
APPROVED

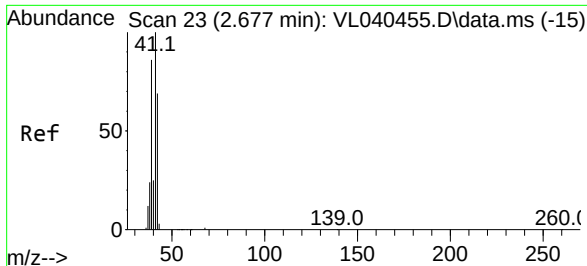
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#8  
Dichlorotetrafluoroethane  
Concen: 13.426 ppbv  
RT: 2.848 min Scan# 76  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

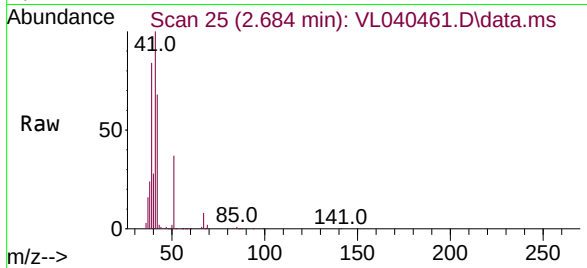
Tgt Ion: 85 Resp: 2447250  
Ion Ratio Lower Upper  
85 100  
135 65.8 52.0 78.0





#9  
 Propene  
 Concen: 13.550 ppbv  
 RT: 2.684 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

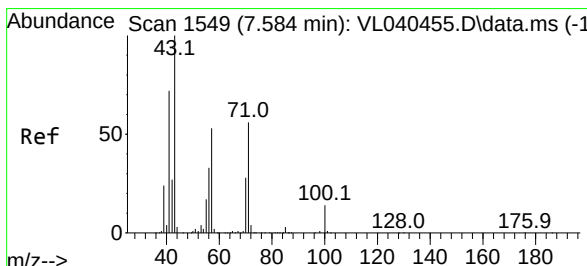
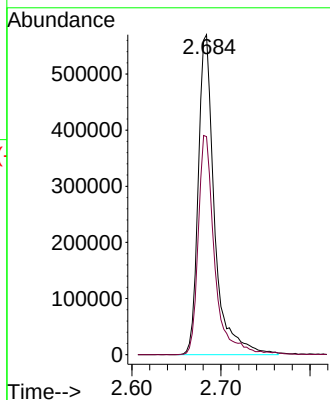
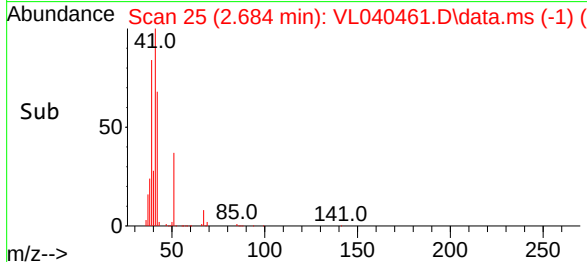
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



Tgt Ion: 41 Resp: 725739  
 Ion Ratio Lower Upper  
 41 100  
 42 69.5 56.2 84.2

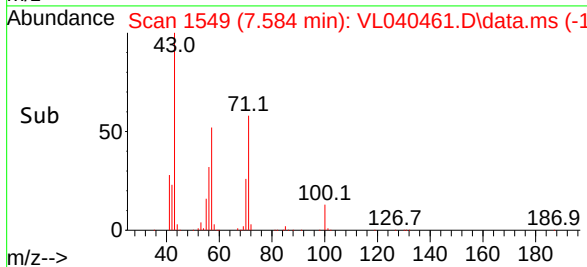
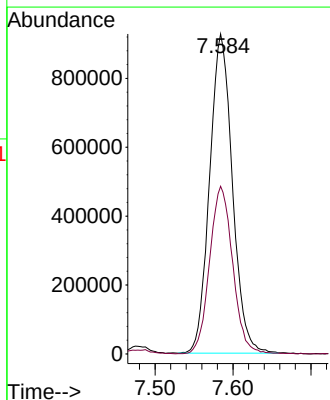
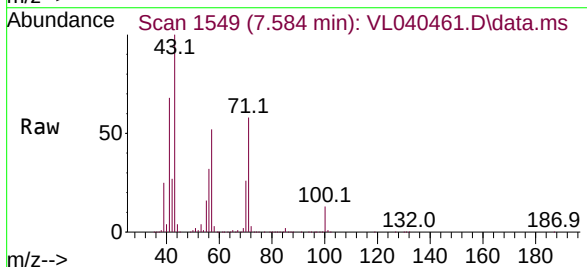
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023

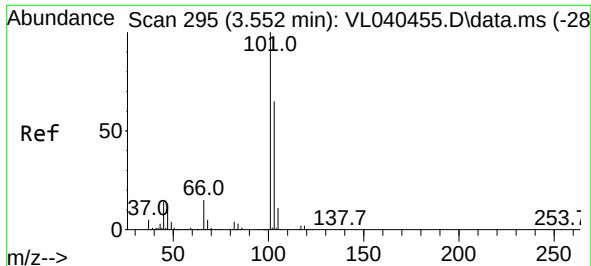


#10  
 Heptane  
 Concen: 15.517 ppbv  
 RT: 7.584 min Scan# 1549  
 Delta R.T. -0.000 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

Tgt Ion: 43 Resp: 1881141  
 Ion Ratio Lower Upper  
 43 100  
 57 53.5 42.5 63.7

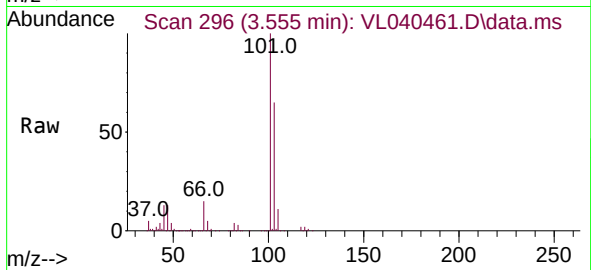






#11  
 Trichlorofluoromethane  
 Concen: 13.303 ppbv  
 RT: 3.555 min Scan# 295  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

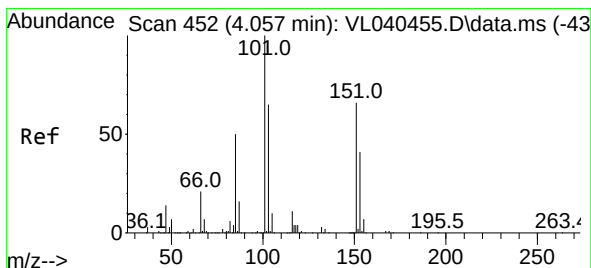
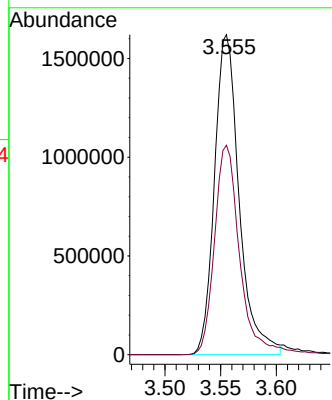
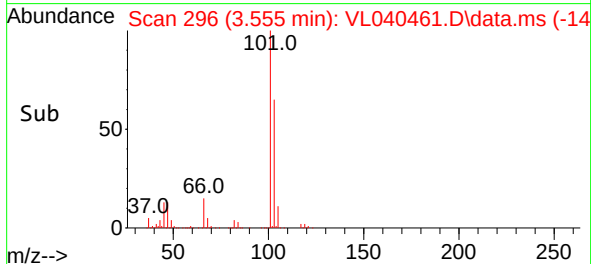
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



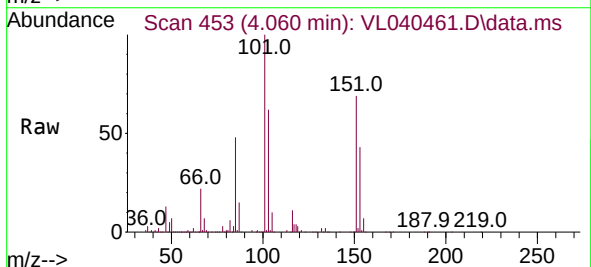
Tgt Ion:101 Resp: 2500272  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 51.7 77.5

Manual Integrations  
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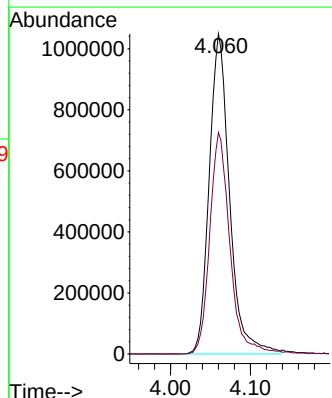
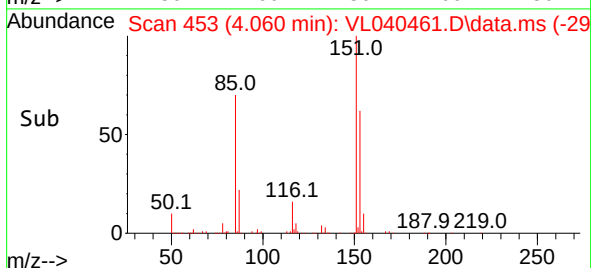
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023

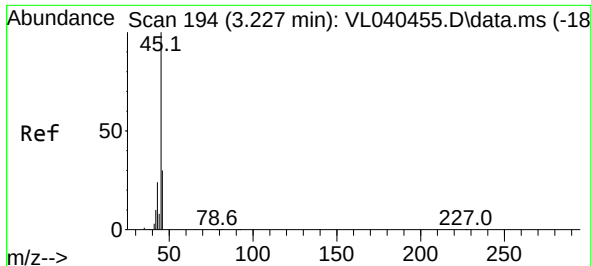


#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 14.119 ppbv  
 RT: 4.060 min Scan# 453  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08



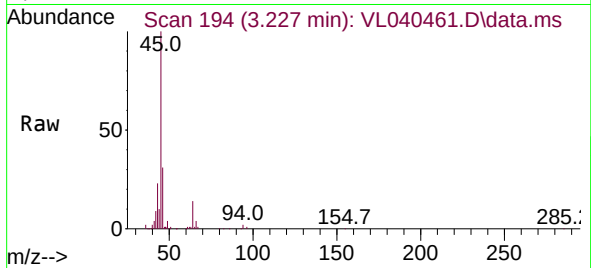
Tgt Ion:101 Resp: 1853621  
 Ion Ratio Lower Upper  
 101 100  
 151 68.9 54.3 81.5





#13  
Ethanol  
Concen: 15.462 ppbv  
RT: 3.227 min Scan# 194  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

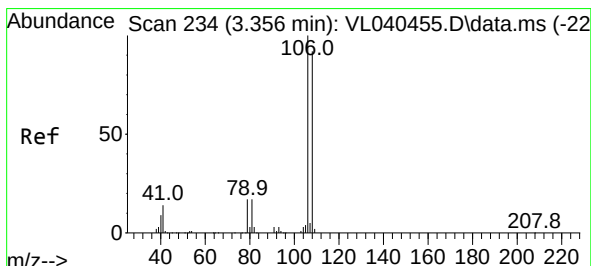
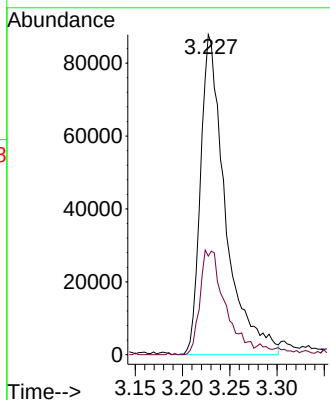
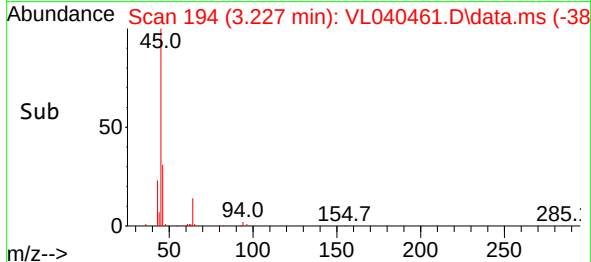
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



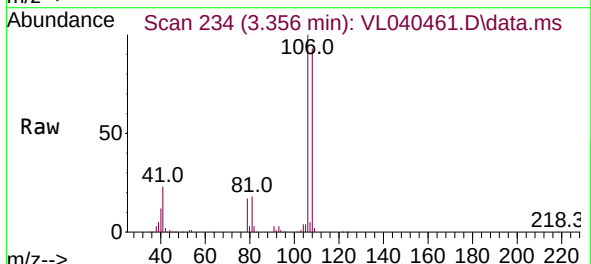
Tgt Ion: 45 Resp: 161070  
Ion Ratio Lower Upper  
45 100  
46 36.3 14.5 58.1

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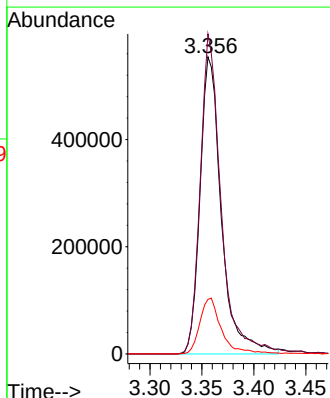
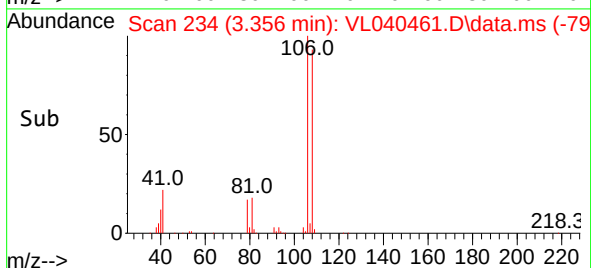
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

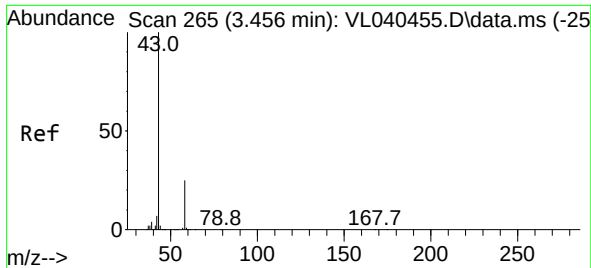


#14  
Bromoethene  
Concen: 14.443 ppbv  
RT: 3.356 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion:108 Resp: 793107  
Ion Ratio Lower Upper  
108 100  
106 106.4 87.4 131.0  
79 19.2 15.9 23.9





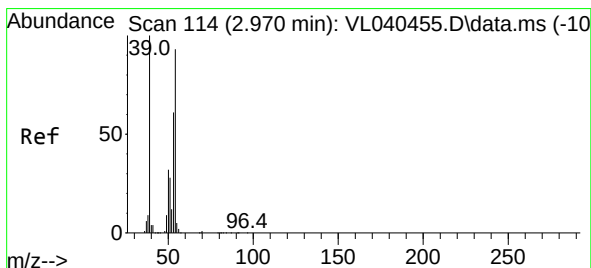
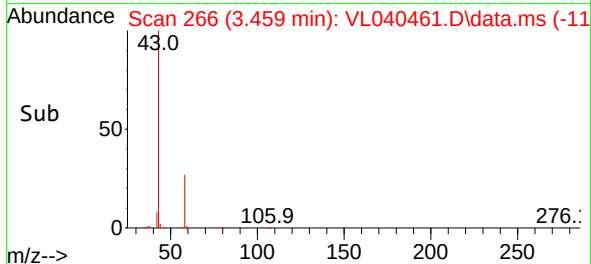
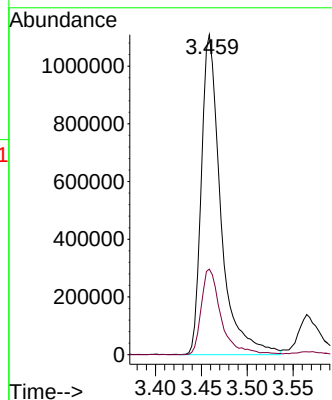
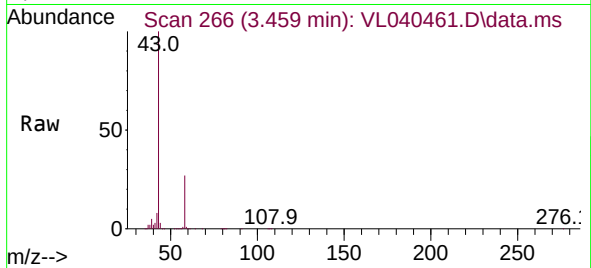
#15  
Acetone  
Concen: 12.792 ppbv  
RT: 3.459 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 43 Resp: 163617  
Ion Ratio Lower Upper  
43 100  
58 27.5 21.6 32.4

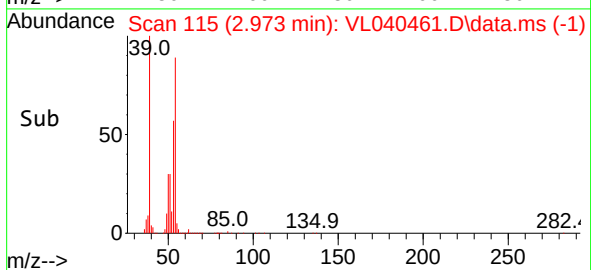
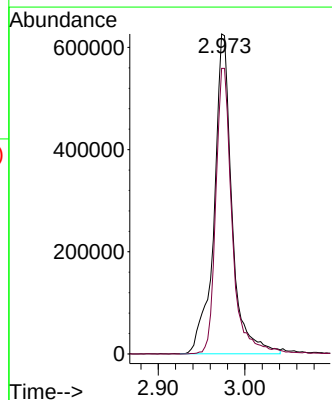
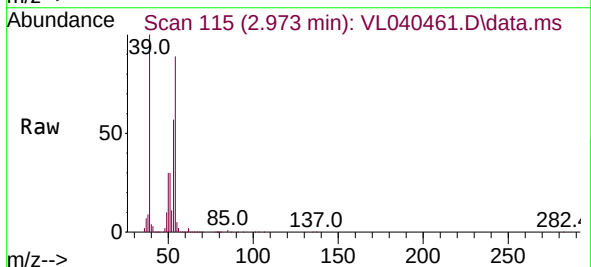
Manual Integrations  
APPROVED

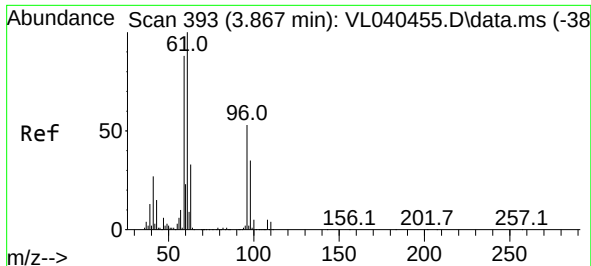
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#16  
1,3-Butadiene  
Concen: 14.400 ppbv  
RT: 2.973 min Scan# 115  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 39 Resp: 903458  
Ion Ratio Lower Upper  
39 100  
54 82.0 66.9 100.3





#17

tert-Butyl alcohol

Concen: 12.757 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 59 Resp: 136326

Ion Ratio Lower Upper

59 100

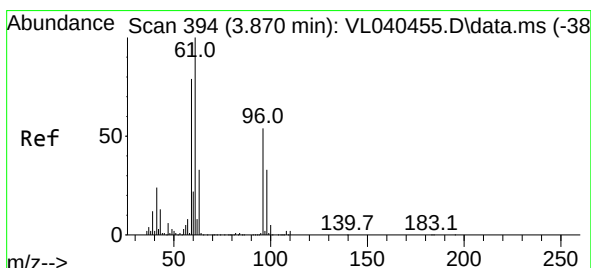
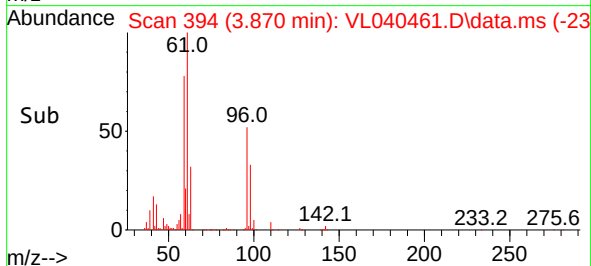
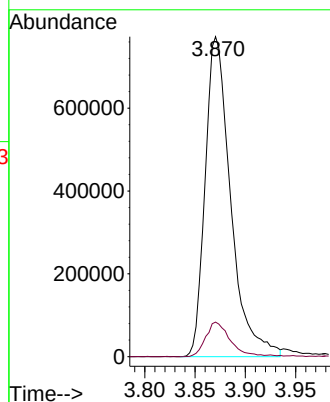
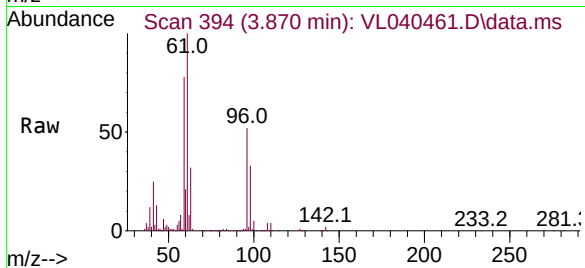
57 10.8 8.8 13.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#18

1,1-Dichloroethene

Concen: 14.495 ppbv

RT: 3.873 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

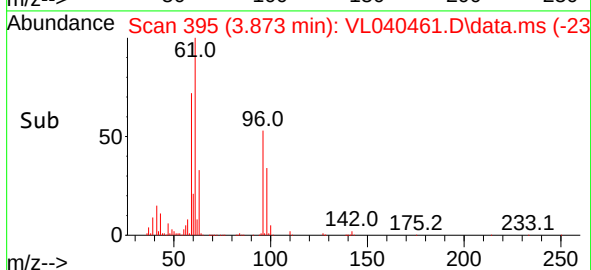
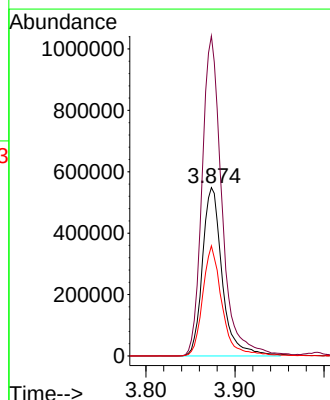
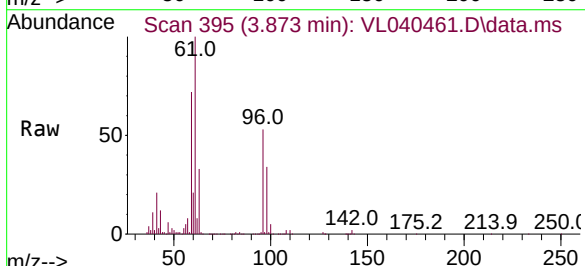
Tgt Ion: 96 Resp: 847926

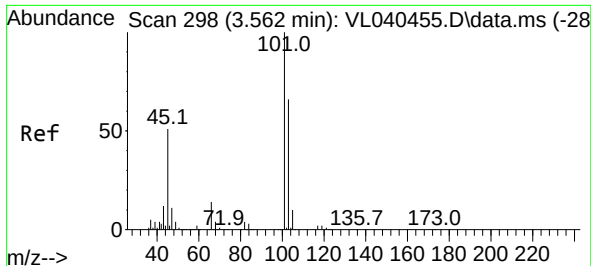
Ion Ratio Lower Upper

96 100

61 190.0 149.5 224.3

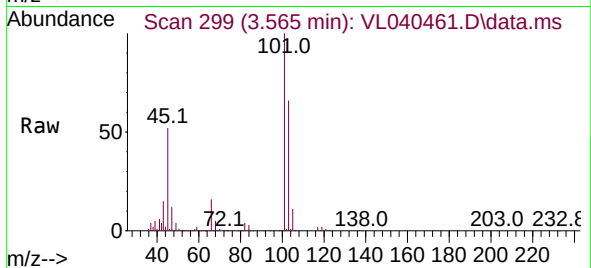
98 65.4 48.7 73.1





#19  
Isopropyl Alcohol  
Concen: 13.313 ppbv  
RT: 3.565 min Scan# 298  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

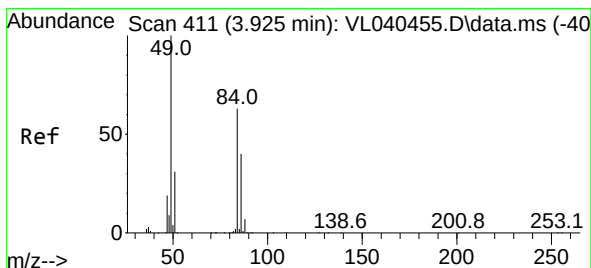
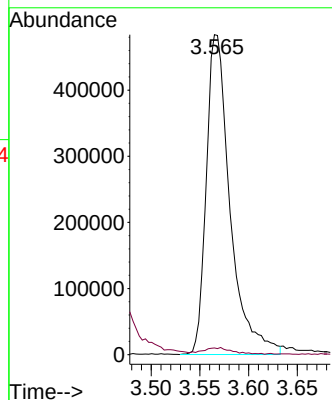
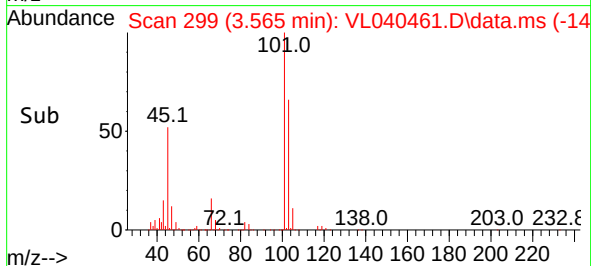
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



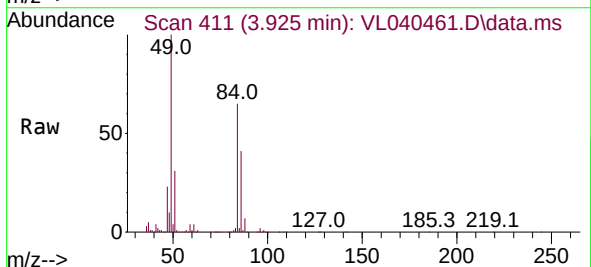
Tgt Ion: 45 Resp: 820760  
Ion Ratio Lower Upper  
45 100  
58 2.7 2.6 4.0

Manual Integrations  
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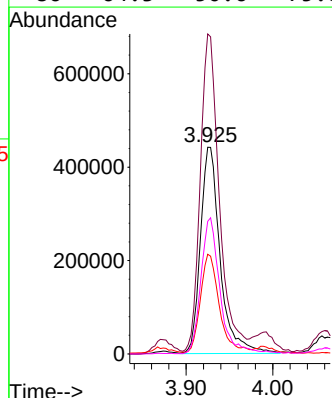
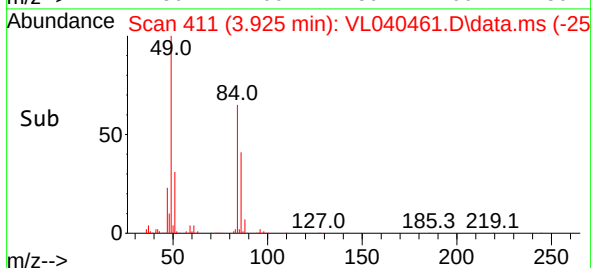
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

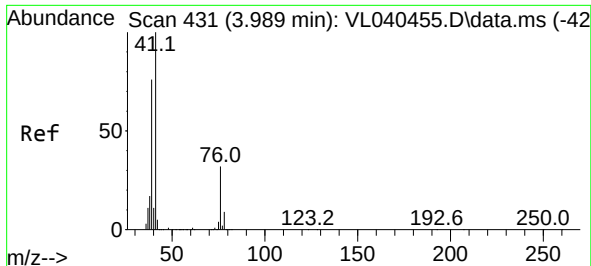


#20  
Methylene Chloride  
Concen: 12.644 ppbv  
RT: 3.925 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



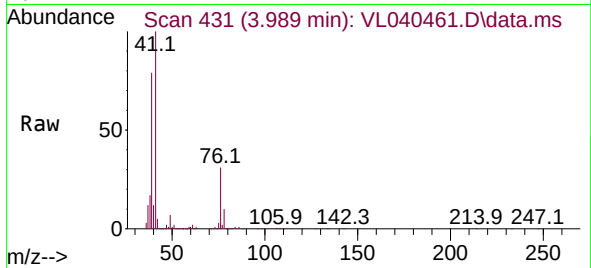
Tgt Ion: 84 Resp: 700440  
Ion Ratio Lower Upper  
84 100  
49 153.7 126.2 189.2  
51 47.4 38.7 58.1  
86 64.3 50.6 75.8





#21  
 Allyl Chloride  
 Concen: 14.488 ppbv  
 RT: 3.989 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

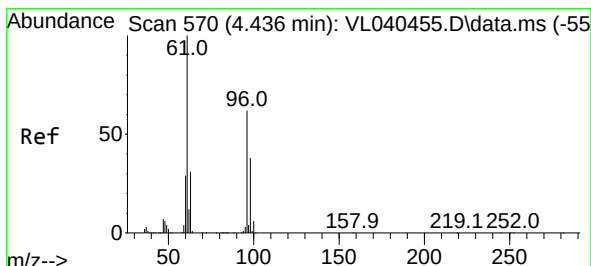
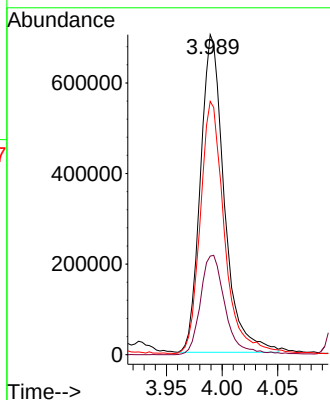
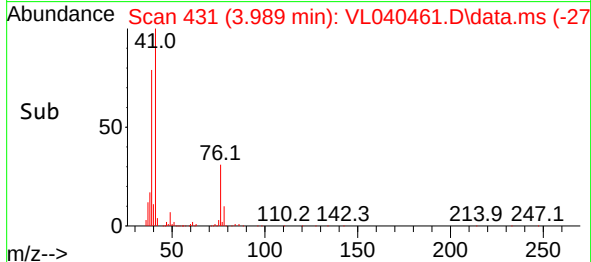
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



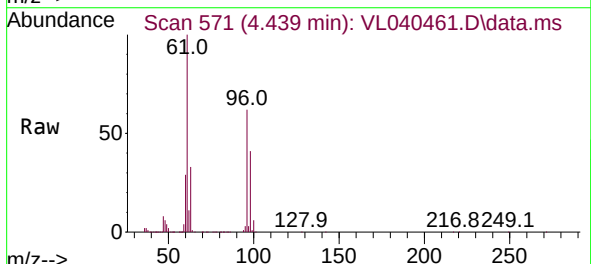
Tgt Ion: 41 Resp: 1046710  
 Ion Ratio Lower Upper  
 41 100  
 76 32.8 26.1 39.1  
 39 80.7 63.9 95.9

Manual Integrations  
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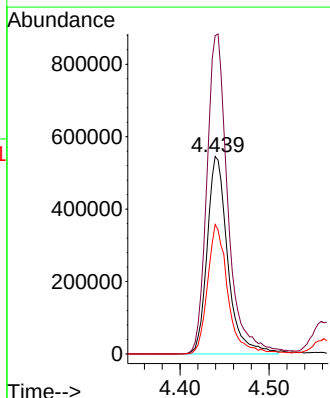
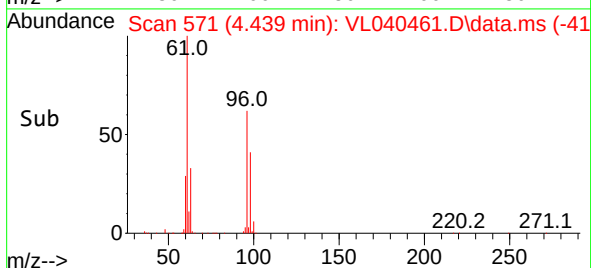
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023

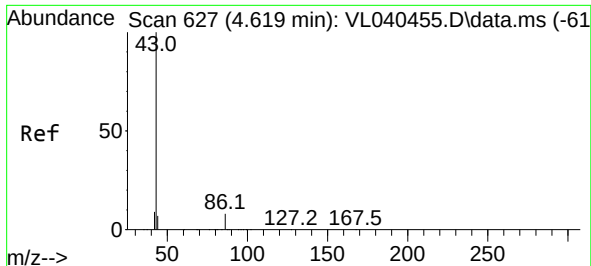


#22  
 trans-1,2-Dichloroethene  
 Concen: 14.592 ppbv  
 RT: 4.439 min Scan# 571  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08



Tgt Ion: 96 Resp: 875792  
 Ion Ratio Lower Upper  
 96 100  
 61 161.0 128.1 192.1  
 98 65.6 48.2 72.4





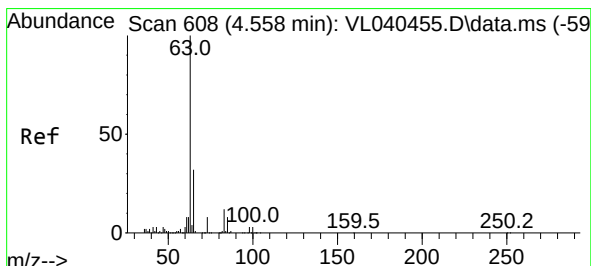
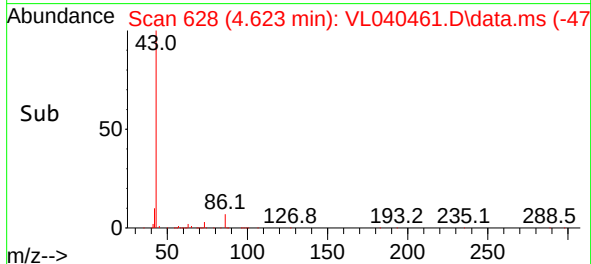
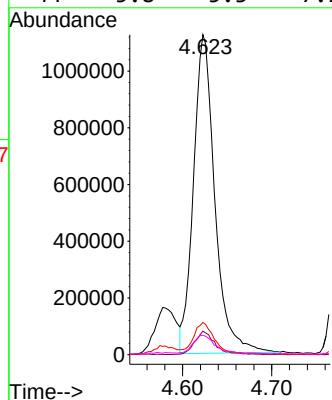
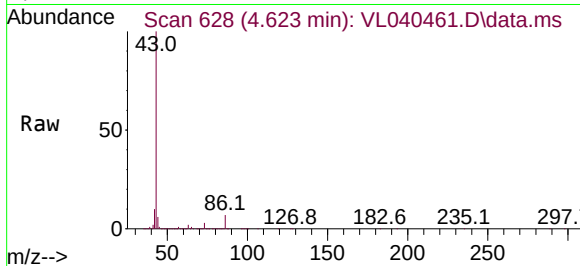
#23  
 Vinyl Acetate  
 Concen: 15.042 ppbv  
 RT: 4.623 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 43 Resp: 1870740  
 Ion Ratio Lower Upper  
 43 100  
 86 7.3 5.8 8.6  
 42 9.9 7.4 11.2  
 44 5.8 5.3 7.9

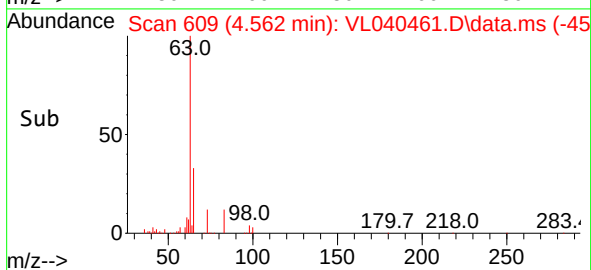
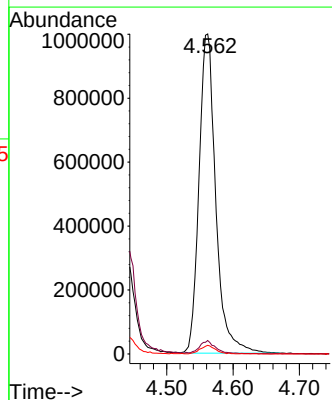
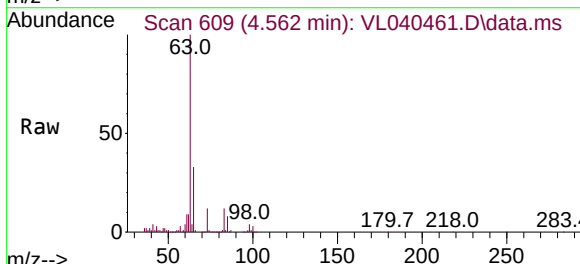
Manual Integrations  
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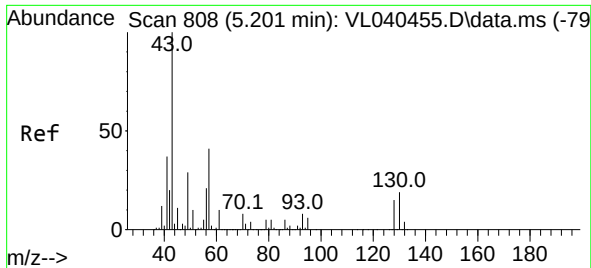
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023



#24  
 1,1-Dichloroethane  
 Concen: 14.003 ppbv  
 RT: 4.562 min Scan# 609  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

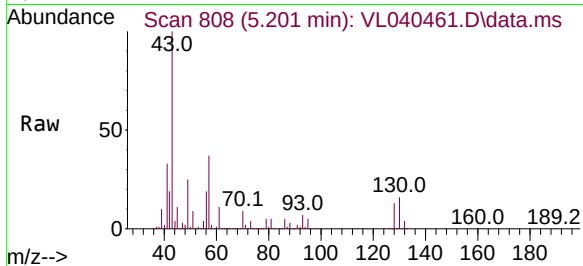
Tgt Ion: 63 Resp: 1754878  
 Ion Ratio Lower Upper  
 63 100  
 98 4.1 1.8 5.5  
 100 2.7 1.4 4.0





#25  
Ethyl Acetate  
Concen: 13.879 ppbv  
RT: 5.201 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

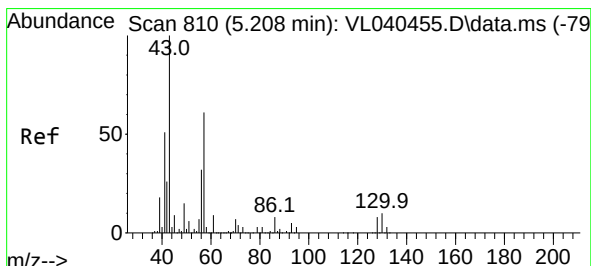
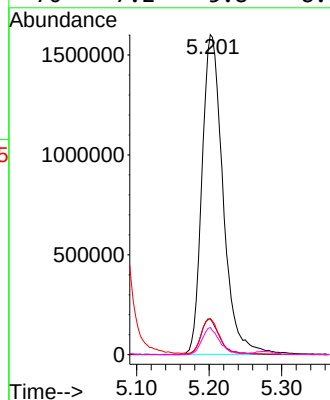
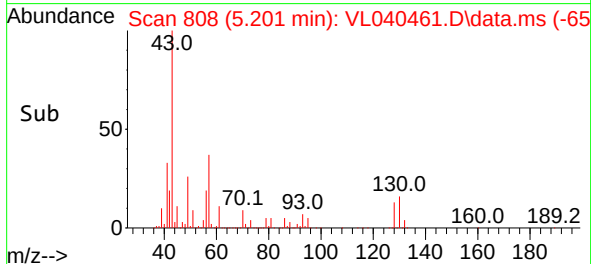
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



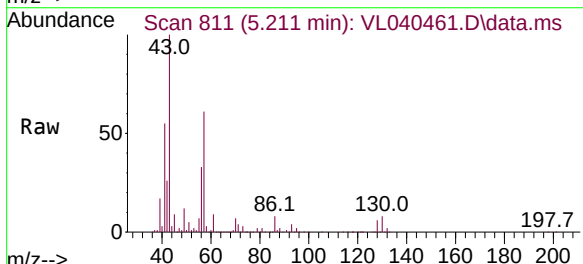
Tgt Ion: 43 Resp: 3216809  
Ion Ratio Lower Upper  
43 100  
45 10.2 8.0 12.0  
61 10.1 8.1 12.1  
70 7.2 5.8 8.6

Manual Integrations  
APPROVED

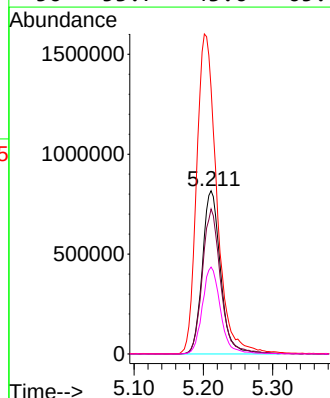
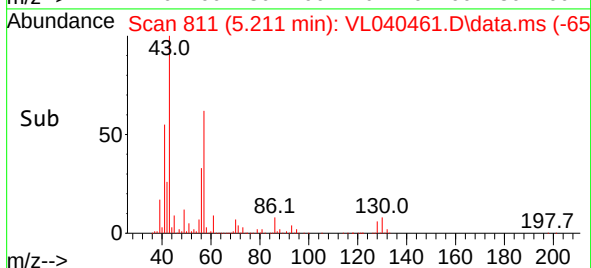
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



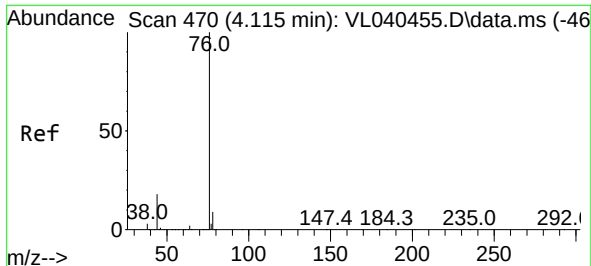
#26  
Hexane  
Concen: 13.527 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion: 57 Resp: 1484602  
Ion Ratio Lower Upper  
57 100  
41 89.9 73.0 109.6  
43 217.9 177.5 266.3  
56 53.7 43.6 65.4

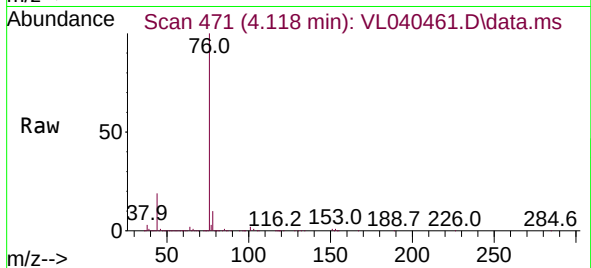






#27  
Carbon Disulfide  
Concen: 15.717 ppbv  
RT: 4.118 min Scan# 471  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

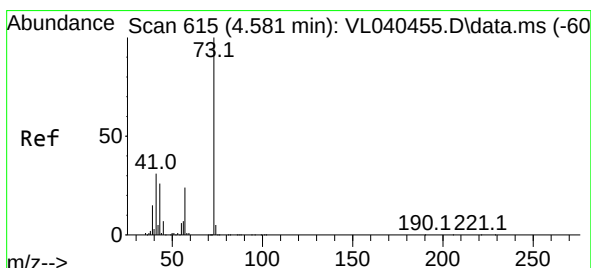
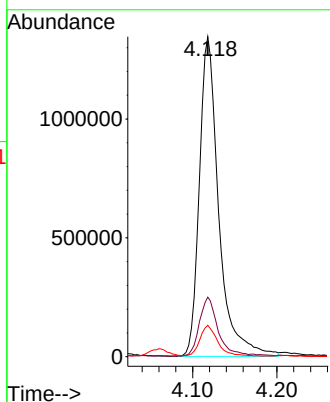
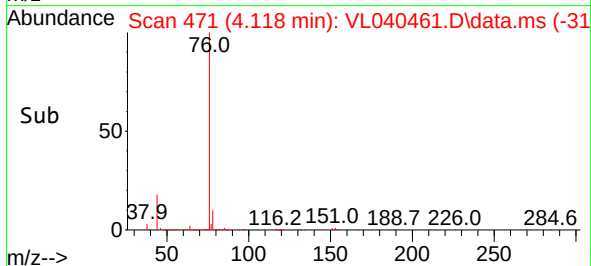
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 76 Resp: 2157340  
Ion Ratio Lower Upper  
76 100  
44 18.1 14.6 22.0  
78 9.4 7.6 11.4

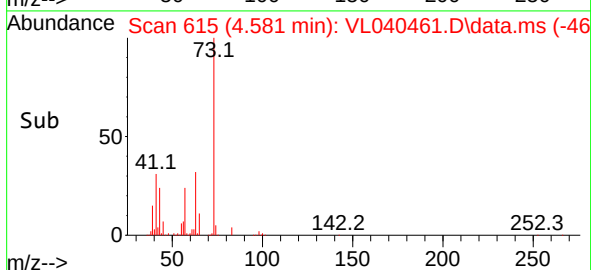
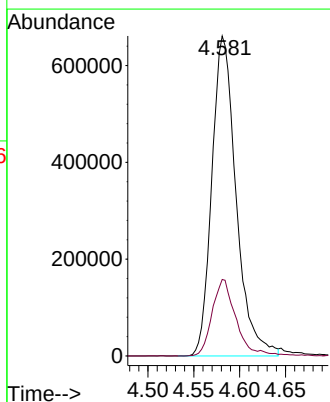
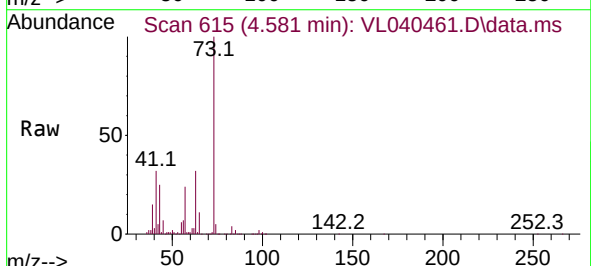
Manual Integrations  
APPROVED

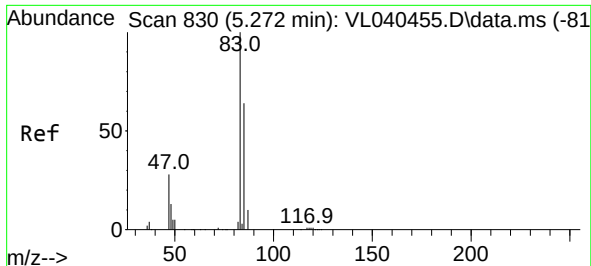
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#28  
Methyl tert-Butyl Ether  
Concen: 14.141 ppbv  
RT: 4.581 min Scan# 615  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 73 Resp: 1217269  
Ion Ratio Lower Upper  
73 100  
57 23.8 19.0 28.4





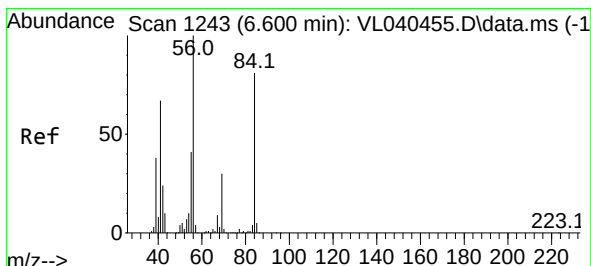
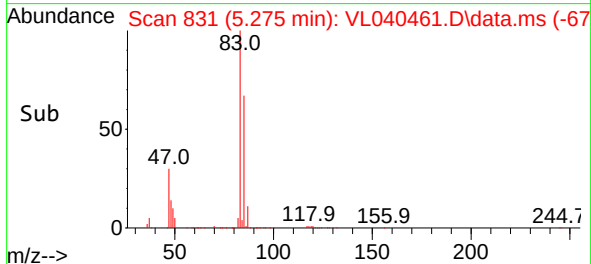
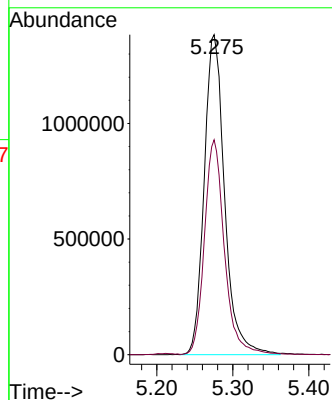
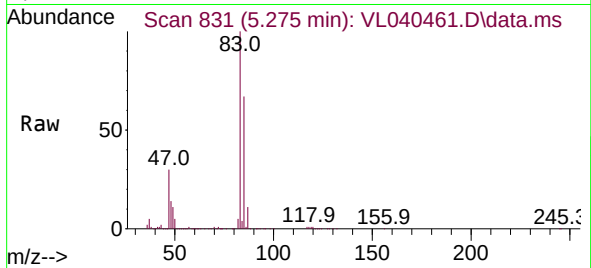
#29  
Chloroform  
Concen: 13.816 ppbv  
RT: 5.275 min Scan# 831  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 83 Resp: 258286  
Ion Ratio Lower Upper  
83 100  
85 67.0 51.1 76.7

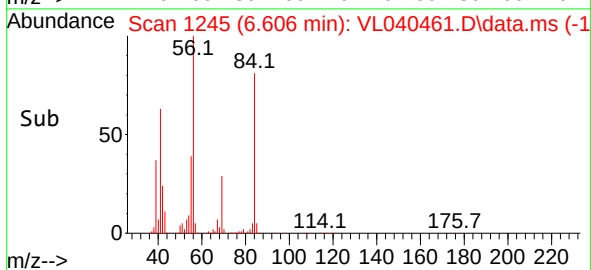
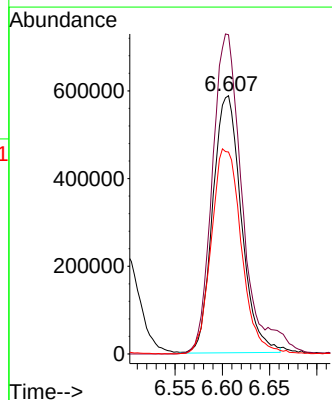
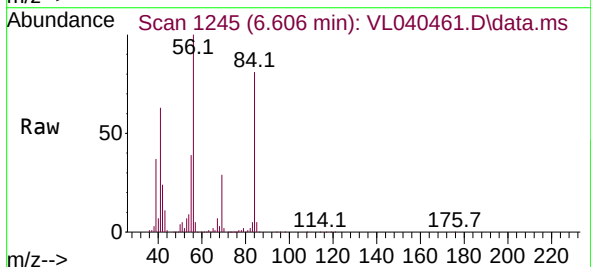
Manual Integrations  
APPROVED

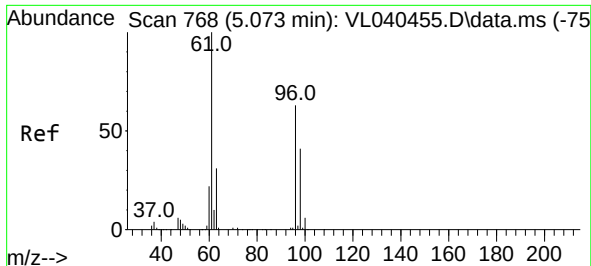
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#30  
Cyclohexane  
Concen: 15.147 ppbv  
RT: 6.606 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

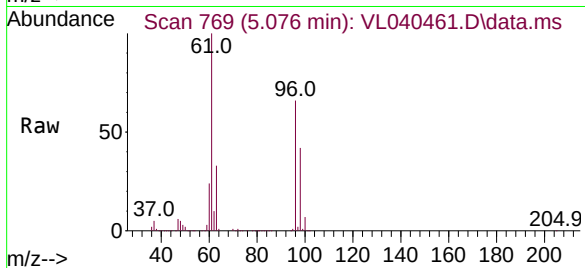
Tgt Ion: 84 Resp: 1236992  
Ion Ratio Lower Upper  
84 100  
56 131.5 106.0 159.0  
41 83.5 66.8 100.2





#31  
 cis-1,2-Dichloroethene  
 Concen: 14.719 ppbv  
 RT: 5.076 min Scan# 70  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

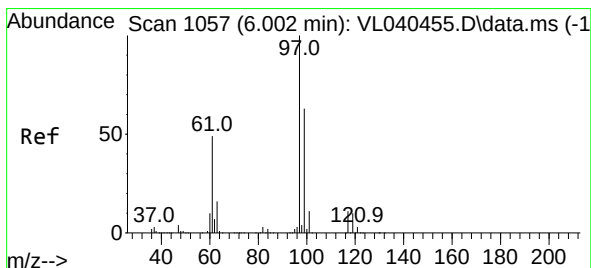
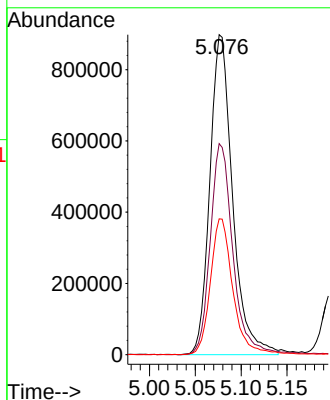
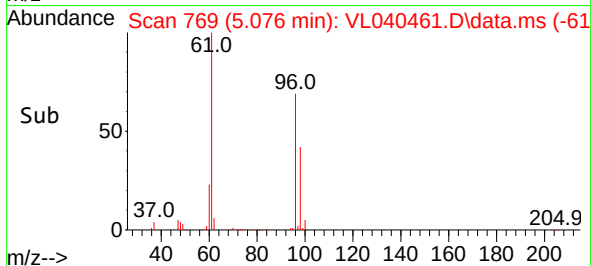
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



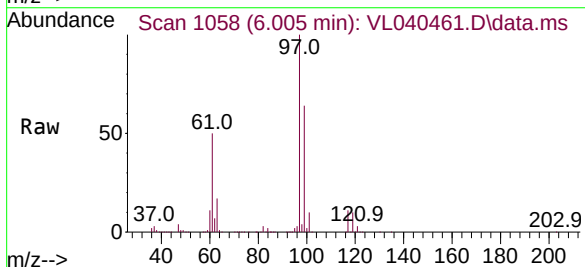
Tgt Ion: 61 Resp: 154551  
 Ion Ratio Lower Upper  
 61 100  
 96 66.0 50.2 75.4  
 98 42.4 32.9 49.3

Manual Integrations  
 APPROVED

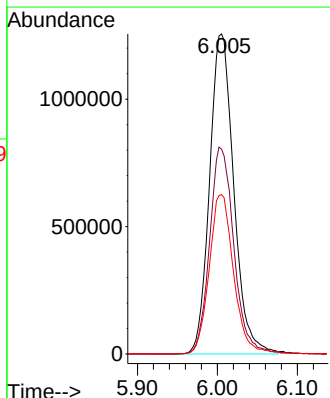
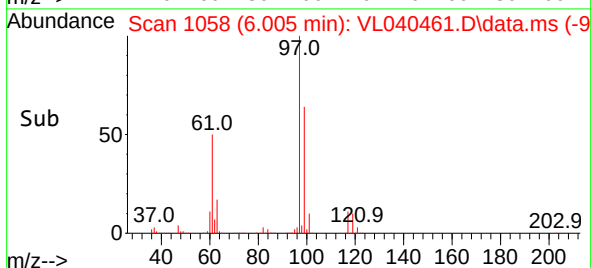
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023

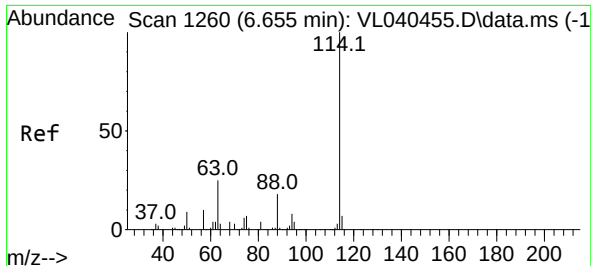


#32  
 1,1,1-Trichloroethane  
 Concen: 14.160 ppbv  
 RT: 6.005 min Scan# 1058  
 Delta R.T. 0.003 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08



Tgt Ion: 97 Resp: 2635795  
 Ion Ratio Lower Upper  
 97 100  
 99 65.1 51.5 77.3  
 61 50.4 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 262944

Ion Ratio Lower Upper

114 100

63 26.8 21.0 31.6

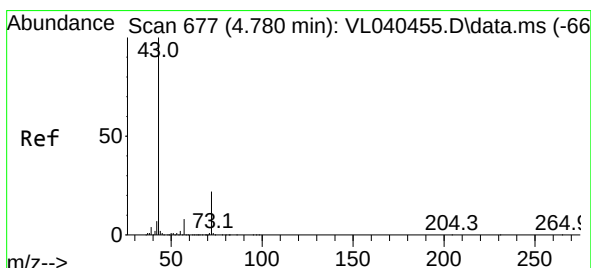
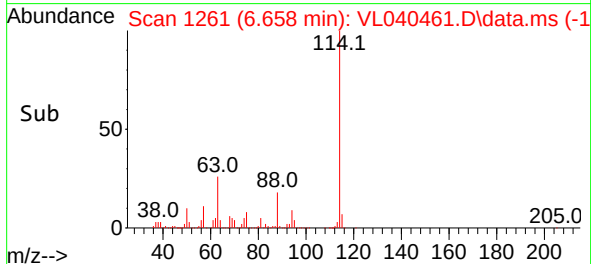
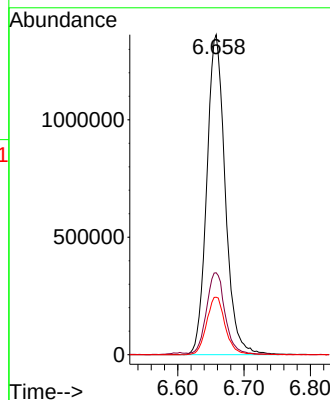
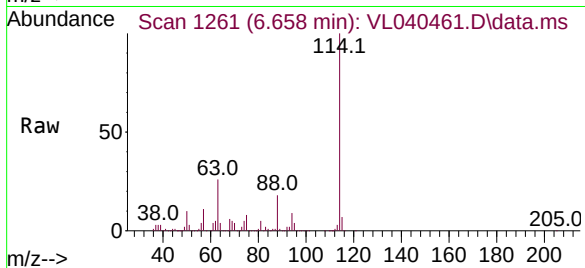
88 18.2 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#34

2-Butanone

Concen: 14.737 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL040461.D

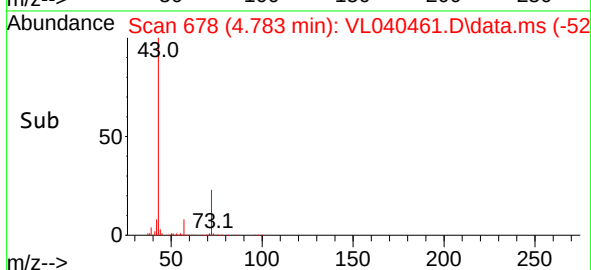
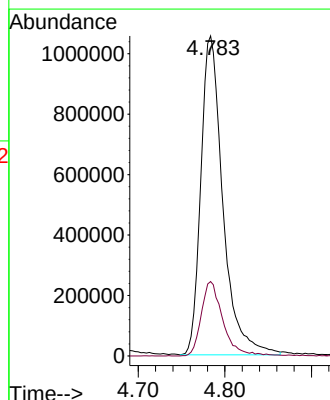
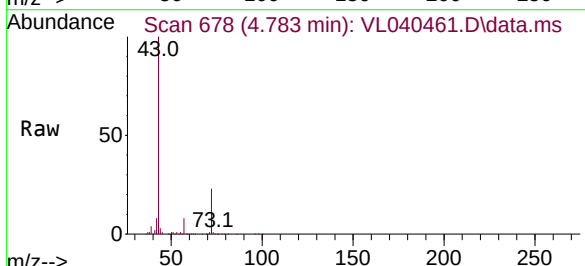
Acq: 5 Jun 2023 18:08

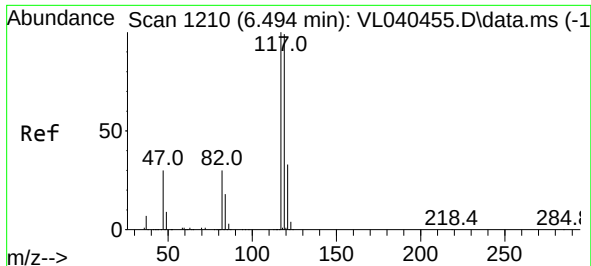
Tgt Ion: 43 Resp: 1868571

Ion Ratio Lower Upper

43 100

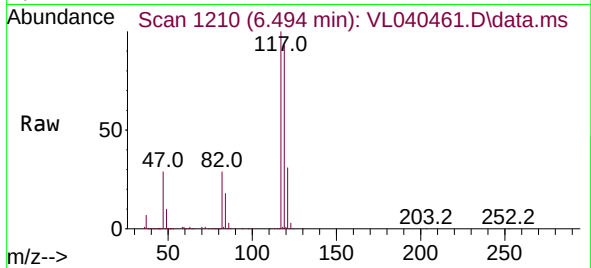
72 23.0 18.1 27.1





#35  
Carbon Tetrachloride  
Concen: 15.160 ppbv  
RT: 6.494 min Scan# 1210  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

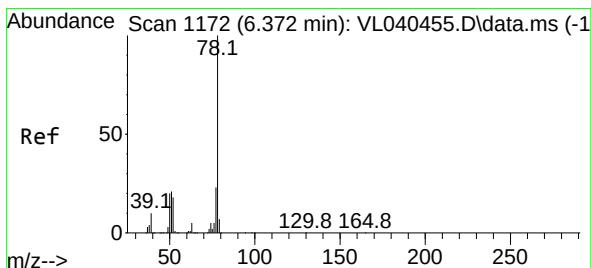
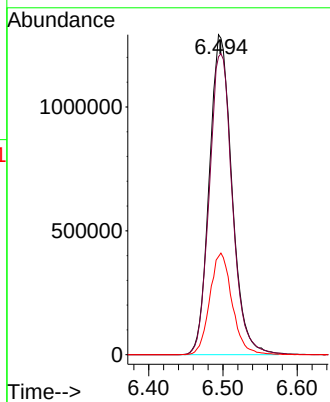
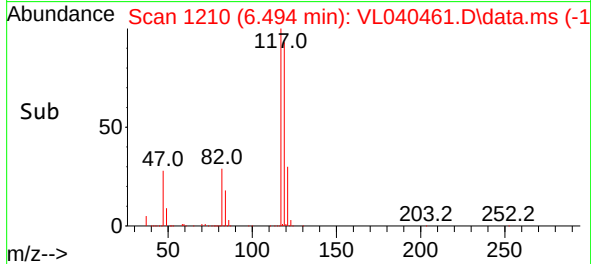
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion: 117 Resp: 2741011  
Ion Ratio Lower Upper  
117 100  
119 93.1 79.1 118.7  
121 30.6 26.0 39.0

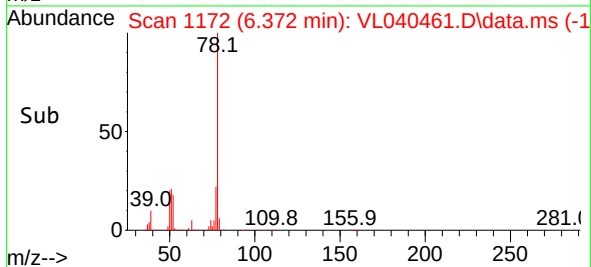
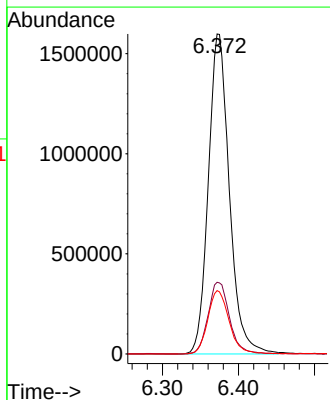
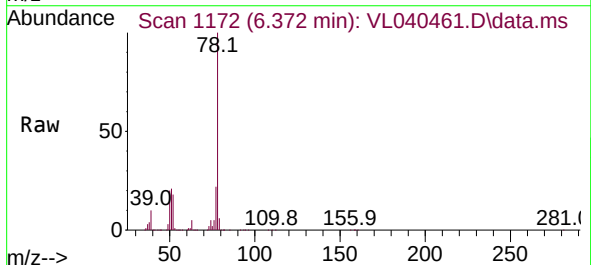
Manual Integrations  
APPROVED

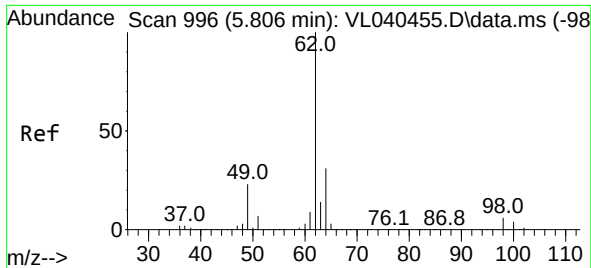
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#36  
Benzene  
Concen: 14.659 ppbv  
RT: 6.372 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 78 Resp: 3066740  
Ion Ratio Lower Upper  
78 100  
77 22.4 18.5 27.7  
50 19.7 16.1 24.1





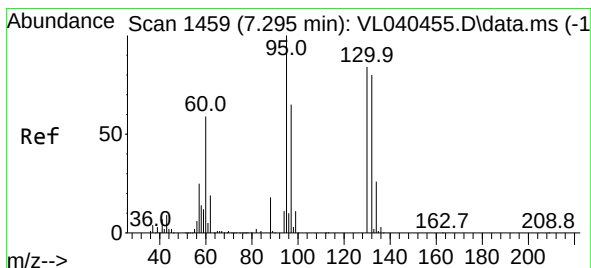
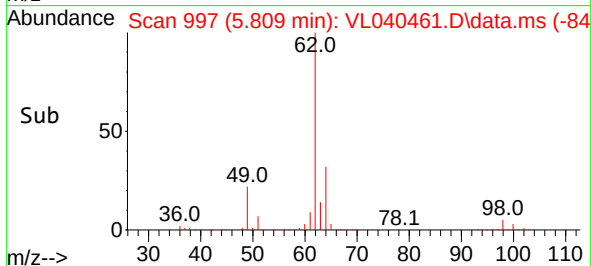
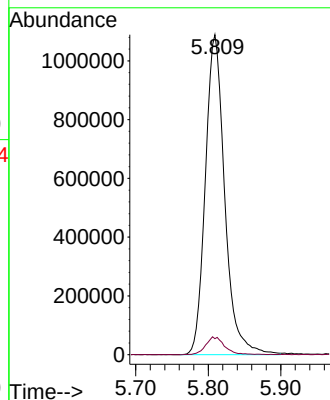
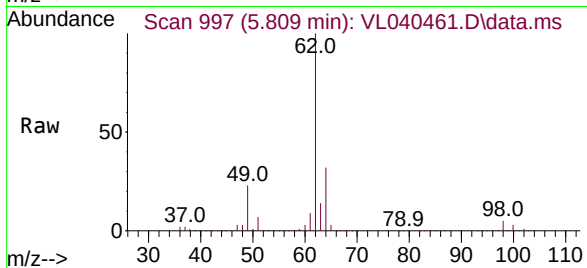
#37  
1,2-Dichloroethane  
Concen: 14.854 ppbv  
RT: 5.809 min Scan# 996  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 62 Resp: 2023980  
Ion Ratio Lower Upper  
62 100  
98 5.5 4.6 6.8

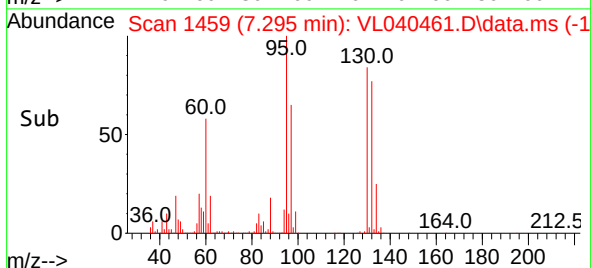
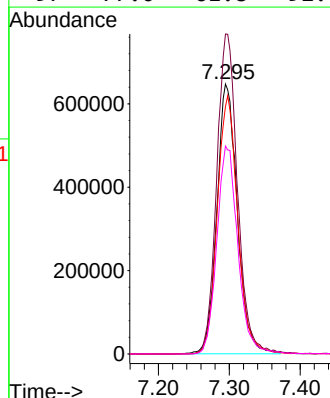
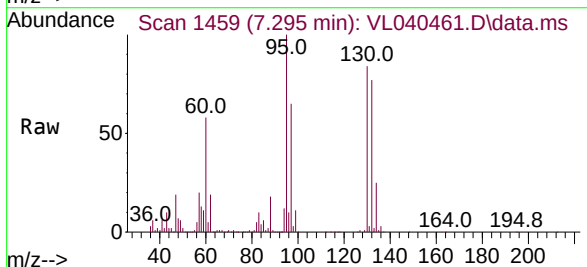
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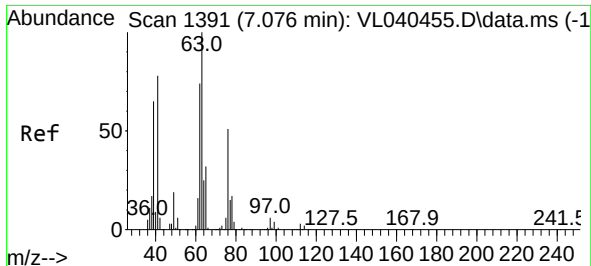
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#38  
Trichloroethene  
Concen: 16.175 ppbv  
RT: 7.295 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion:130 Resp: 1300266  
Ion Ratio Lower Upper  
130 100  
95 118.6 95.4 143.0  
132 91.8 76.3 114.5  
97 77.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 14.630 ppbv

RT: 7.076 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 119430

Ion Ratio Lower Upper

63 100

41 76.6 62.2 93.2

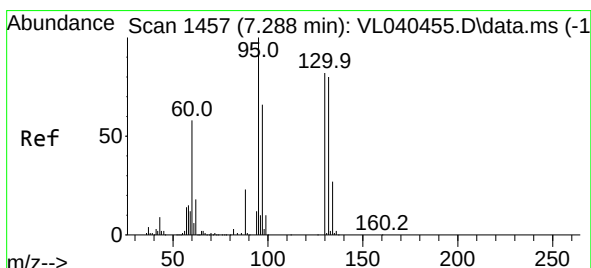
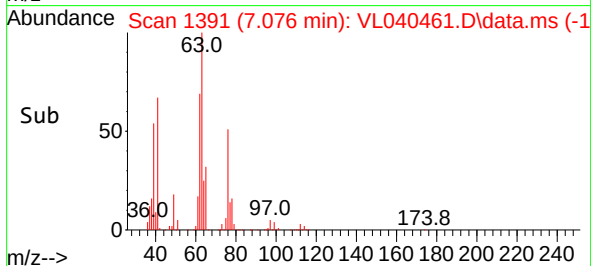
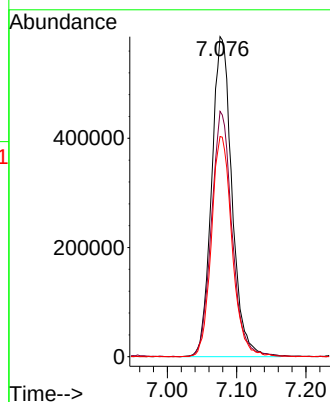
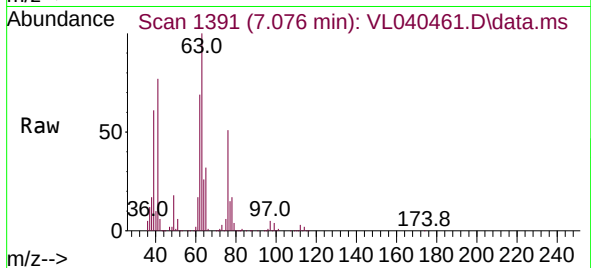
62 68.8 59.0 88.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#40

1,4-Dioxane

Concen: 14.286 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Tgt Ion: 88 Resp: 319160

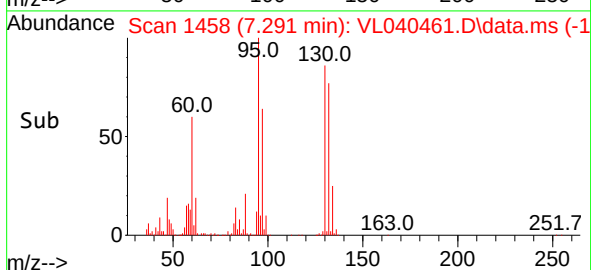
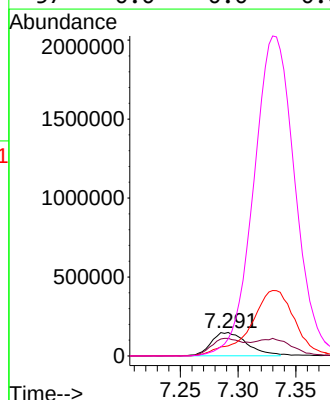
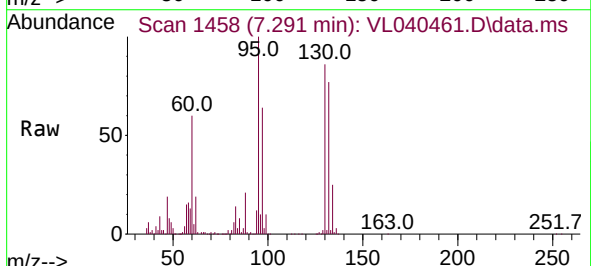
Ion Ratio Lower Upper

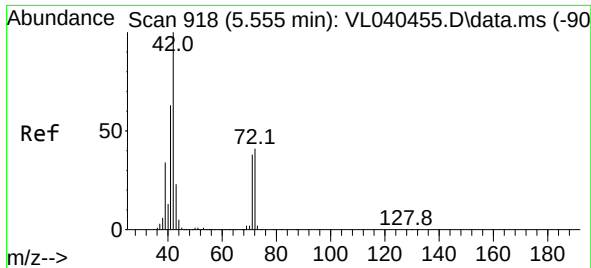
88 100

58 61.5 0.0 0.0#

43 0.0 0.0 0.0

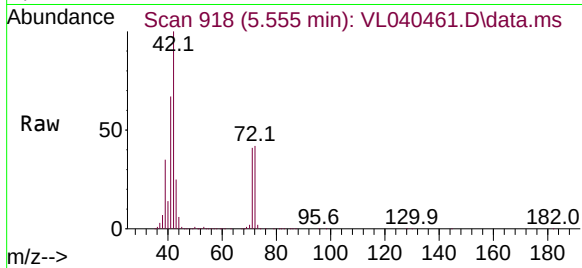
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 15.390 ppbv  
RT: 5.555 min Scan# 918  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

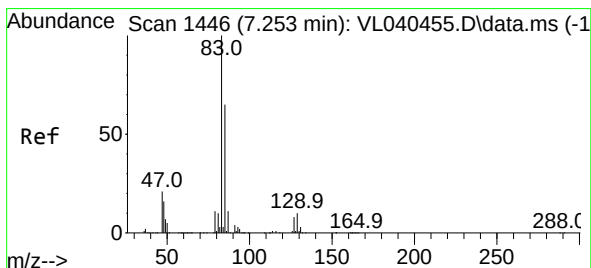
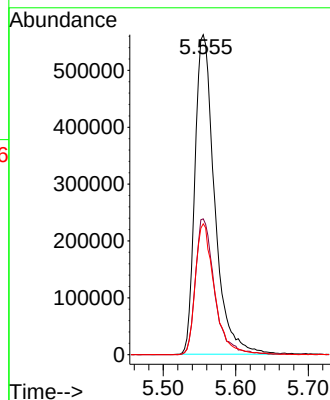
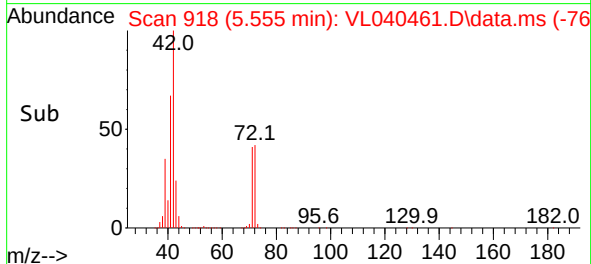
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



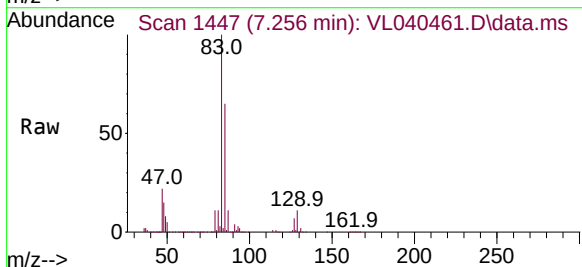
Tgt Ion: 42 Resp: 105959  
Ion Ratio Lower Upper  
42 100  
72 41.6 33.8 50.8  
71 40.2 32.3 48.5

Manual Integrations  
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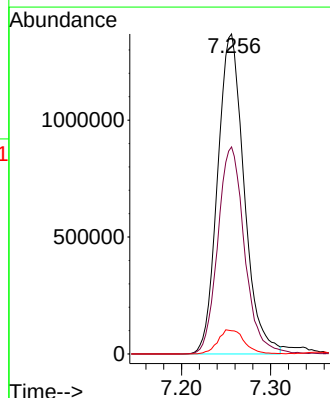
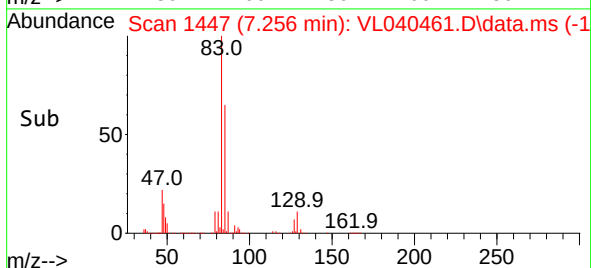
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



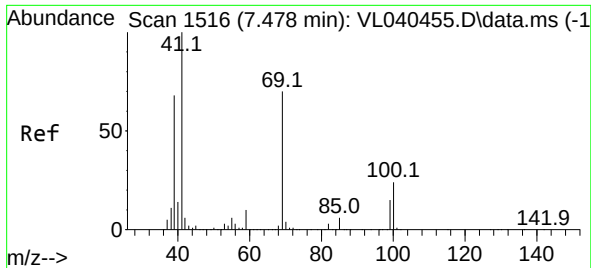
#42  
Bromodichloromethane  
Concen: 15.062 ppbv  
RT: 7.256 min Scan# 1447  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion: 83 Resp: 2826219  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.8 77.6  
127 7.3 6.1 9.1

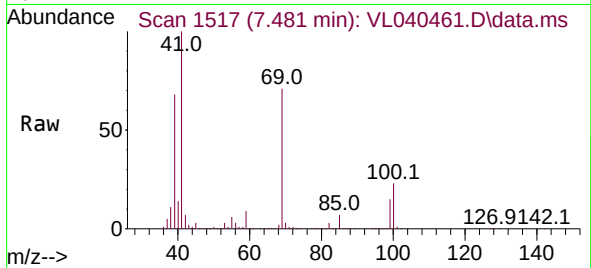






#43  
Methyl Methacrylate  
Concen: 16.738 ppbv  
RT: 7.481 min Scan# 1516  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

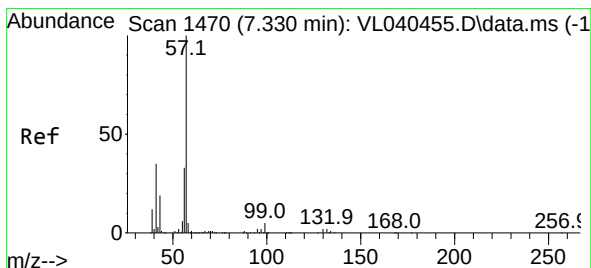
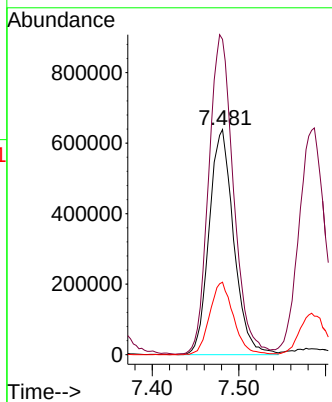
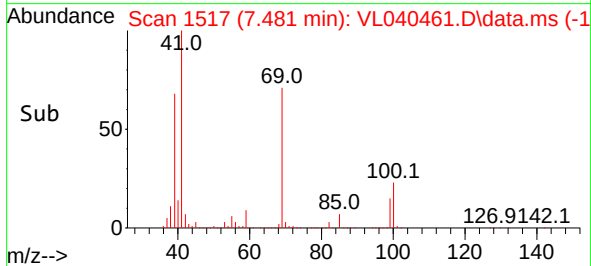
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



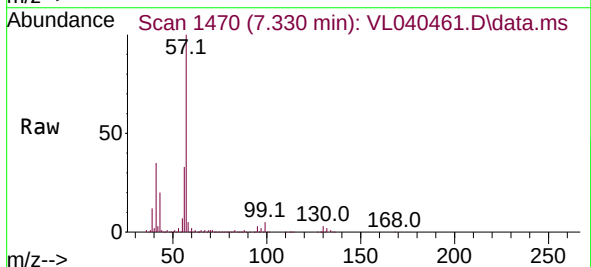
Tgt Ion: 69 Resp: 1257638  
Ion Ratio Lower Upper  
69 100  
41 143.9 114.3 171.5  
100 31.2 25.4 38.2

Manual Integrations  
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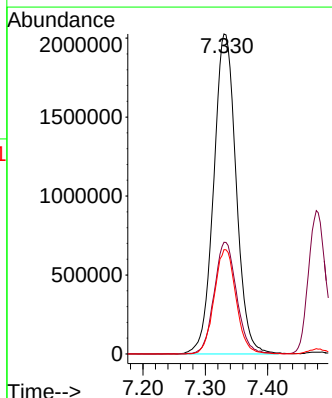
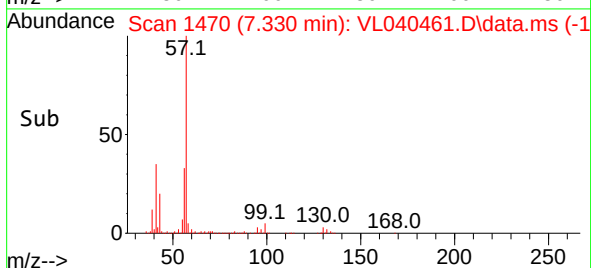
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

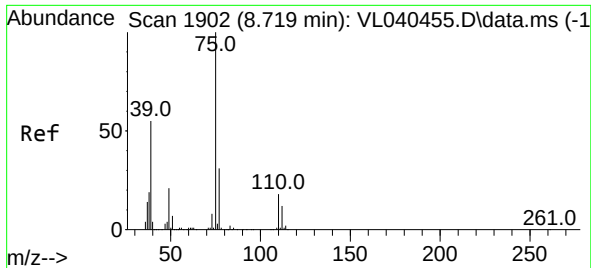


#44  
2,2,4-Trimethylpentane  
Concen: 14.828 ppbv  
RT: 7.330 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



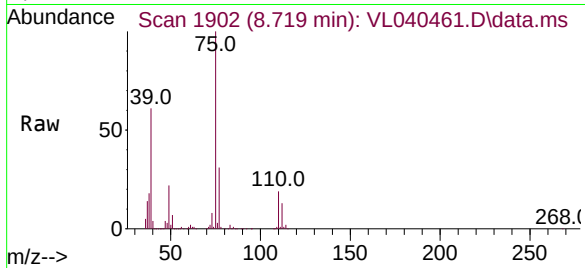
Tgt Ion: 57 Resp: 5063793  
Ion Ratio Lower Upper  
57 100  
41 35.1 27.8 41.8  
56 31.8 25.3 37.9





#45  
t-1,3-Dichloropropene  
Concen: 18.830 ppbv  
RT: 8.719 min Scan# 1902  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

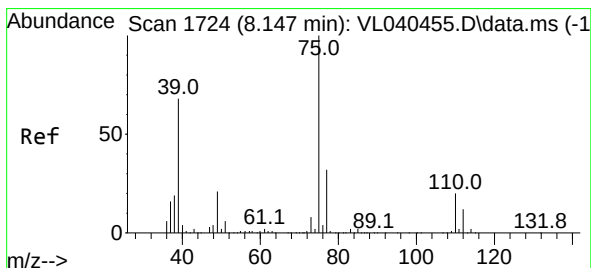
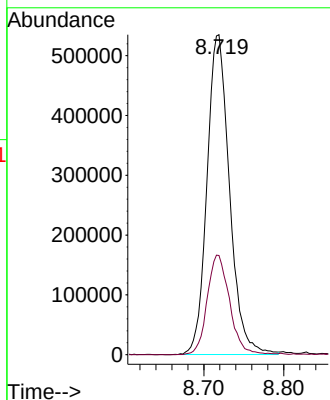
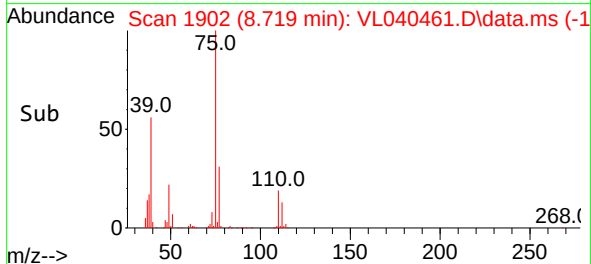
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 75 Resp: 104740  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.0 37.4

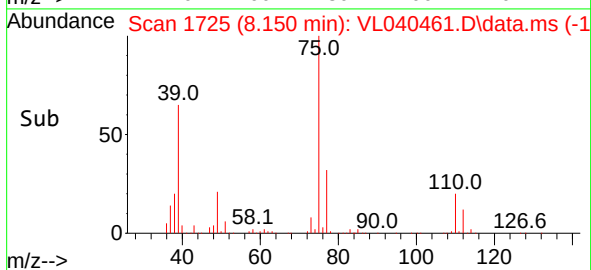
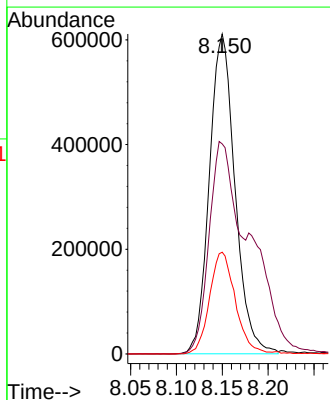
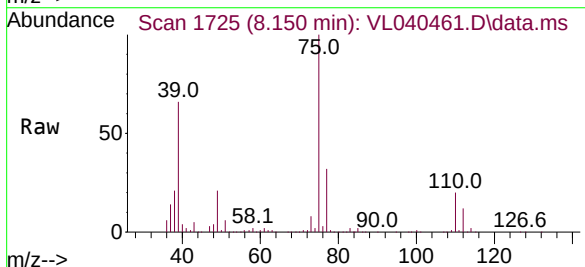
Manual Integrations  
APPROVED

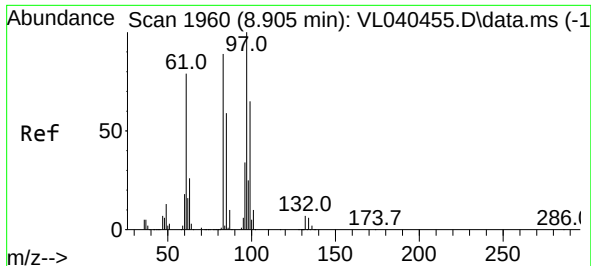
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#46  
cis-1,3-Dichloropropene  
Concen: 17.680 ppbv  
RT: 8.150 min Scan# 1725  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 75 Resp: 1187076  
Ion Ratio Lower Upper  
75 100  
39 65.6 54.2 81.4  
77 31.8 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 15.042 ppbv

RT: 8.905 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VL040461.D

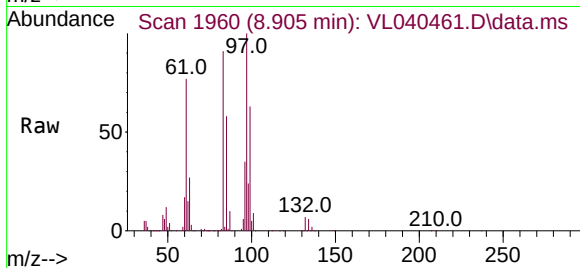
Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



Tgt Ion: 97 Resp: 133169

Ion Ratio Lower Upper

97 100

83 90.7 71.4 107.2

85 57.7 47.2 70.8

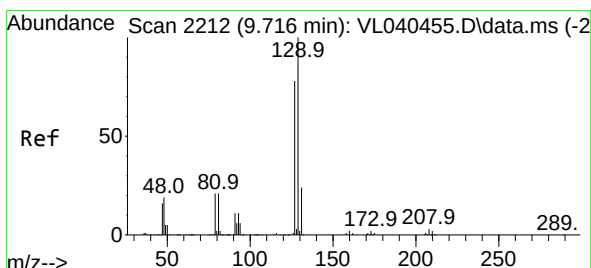
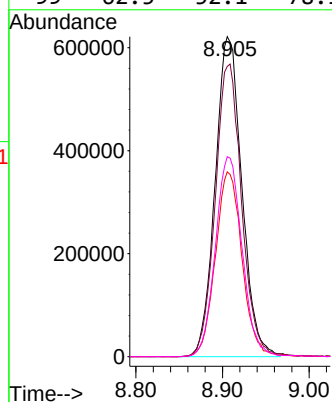
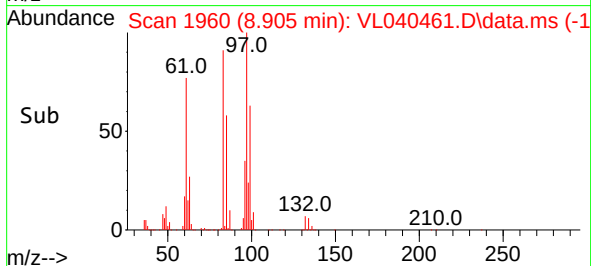
99 62.5 52.1 78.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#48

Dibromochloromethane

Concen: 16.261 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.003 min

Lab File: VL040461.D

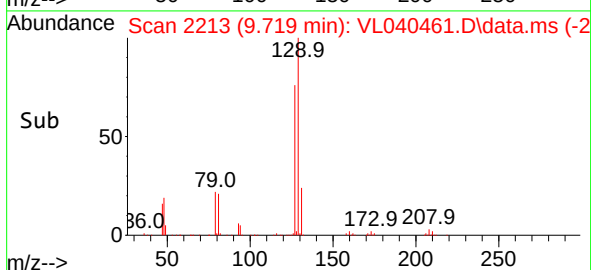
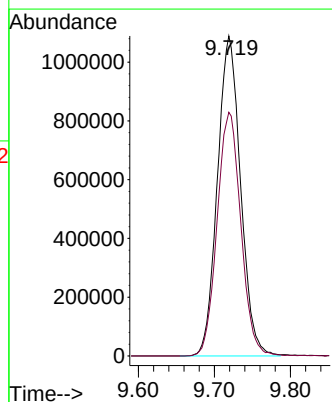
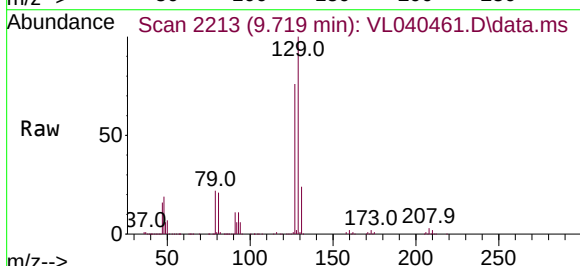
Acq: 5 Jun 2023 18:08

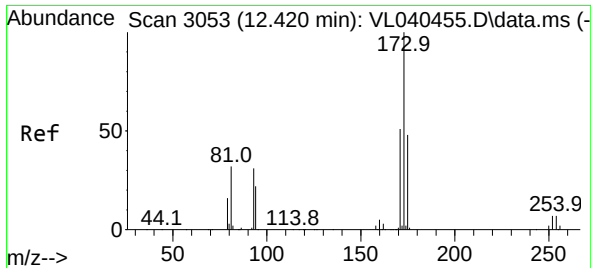
Tgt Ion:129 Resp: 2303743

Ion Ratio Lower Upper

129 100

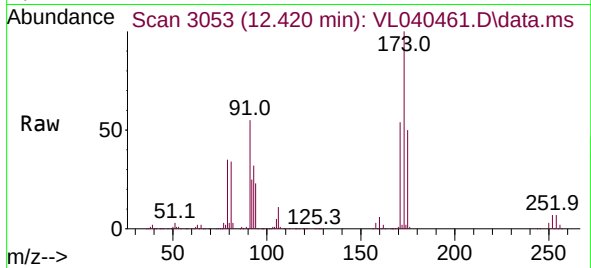
127 78.0 39.4 118.1





#49  
Bromoform  
Concen: 16.830 ppbv  
RT: 12.420 min Scan# 3053  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

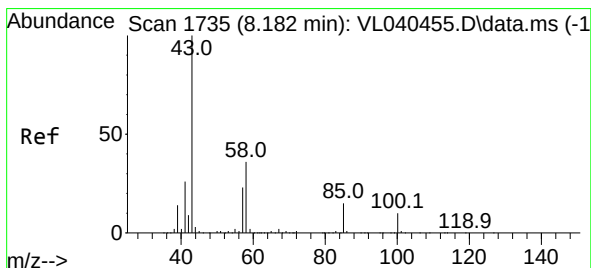
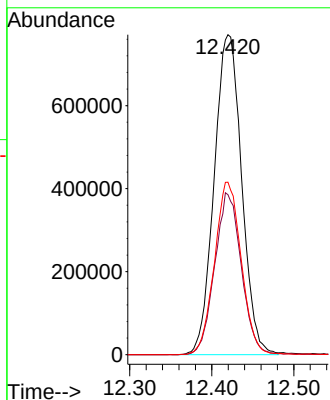
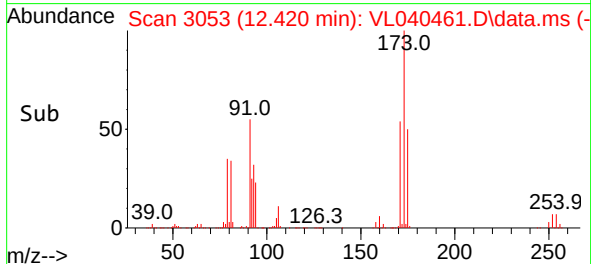
Instrument : MSVOA\_L  
ClientSampleId : VSTDIC015



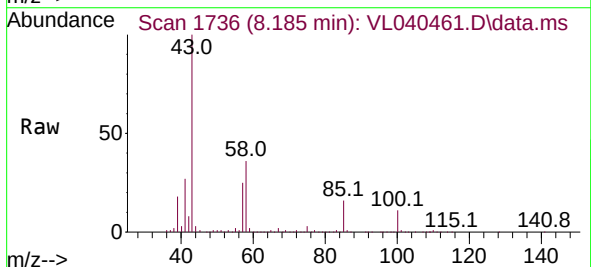
Tgt Ion:173 Resp: 179818  
Ion Ratio Lower Upper  
173 100  
175 49.1 39.2 58.8  
171 52.8 42.2 63.2

Manual Integrations  
APPROVED

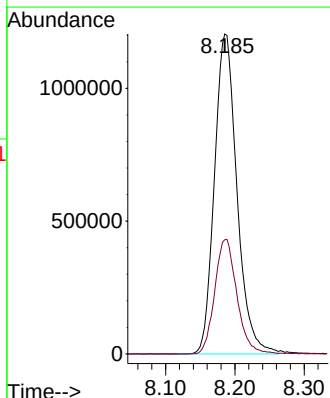
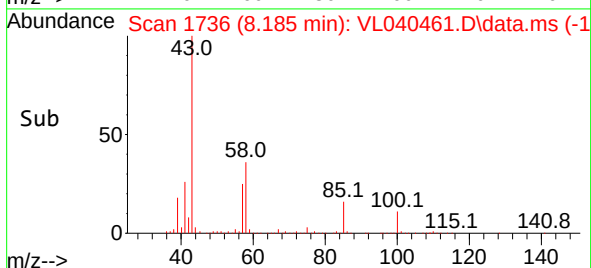
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

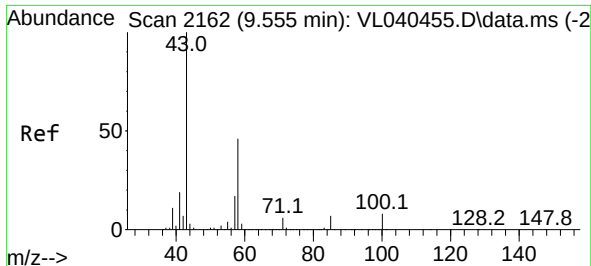


#50  
4-Methyl-2-Pentanone  
Concen: 16.103 ppbv  
RT: 8.185 min Scan# 1736  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



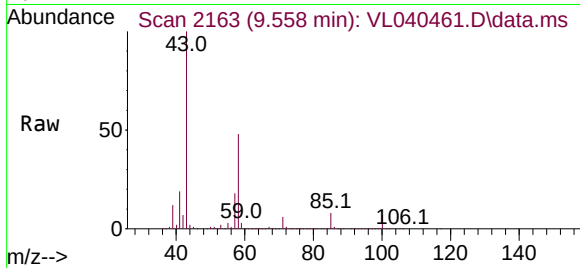
Tgt Ion: 43 Resp: 2720145  
Ion Ratio Lower Upper  
43 100  
58 35.5 28.2 42.4





#51  
2-Hexanone  
Concen: 16.831 ppbv  
RT: 9.558 min Scan# 2163  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

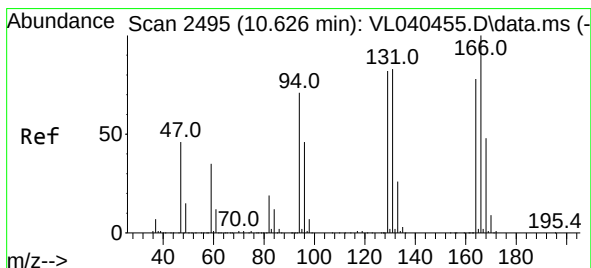
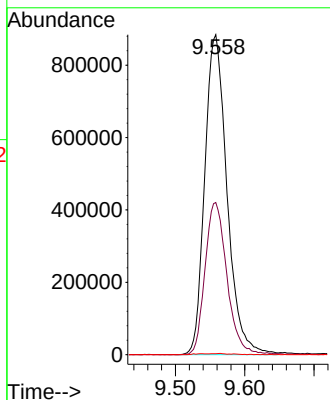
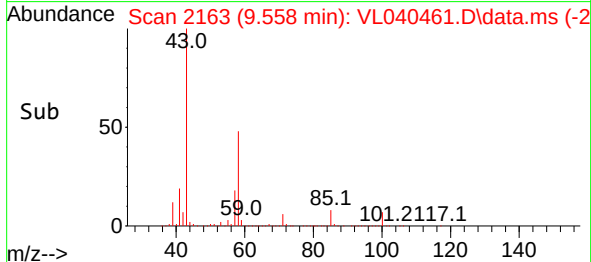
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion: 43 Resp: 1969919  
Ion Ratio Lower Upper  
43 100  
58 47.0 37.1 55.7  
98 0.5 0.5 0.7

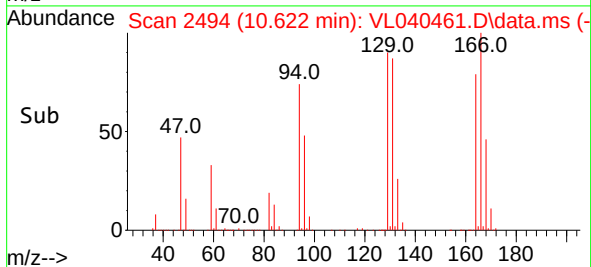
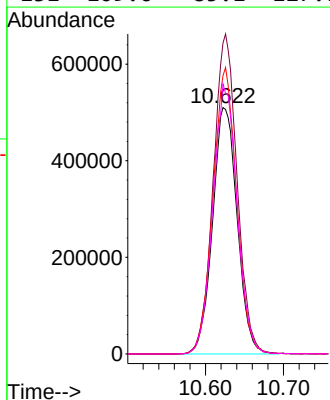
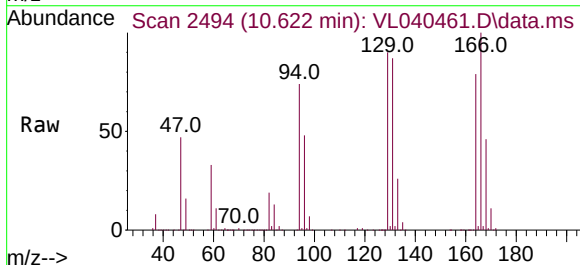
Manual Integrations  
APPROVED

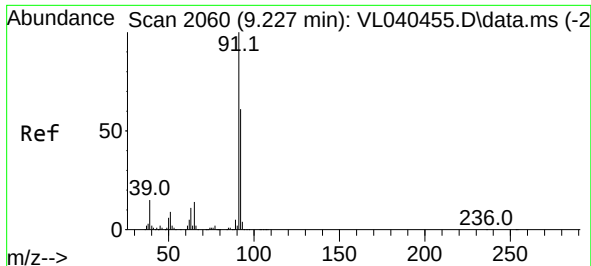
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#52  
Tetrachloroethene  
Concen: 17.016 ppbv  
RT: 10.622 min Scan# 2494  
Delta R.T. -0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

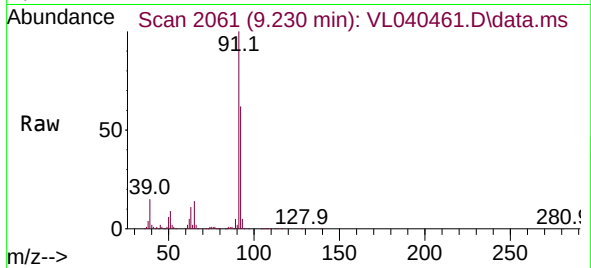
Tgt Ion:164 Resp: 1117415  
Ion Ratio Lower Upper  
164 100  
166 126.1 102.7 154.1  
129 112.9 84.6 126.8  
131 109.6 85.1 127.7





#53  
Toluene  
Concen: 16.437 ppbv  
RT: 9.230 min Scan# 2061  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

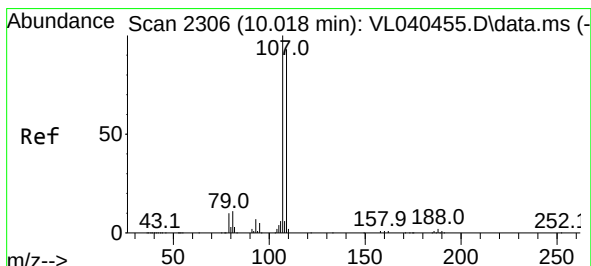
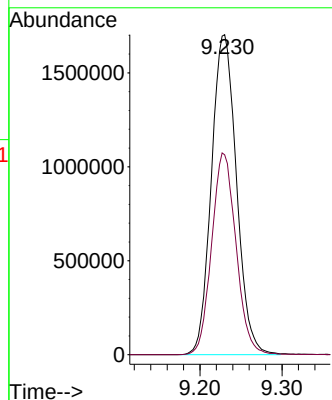
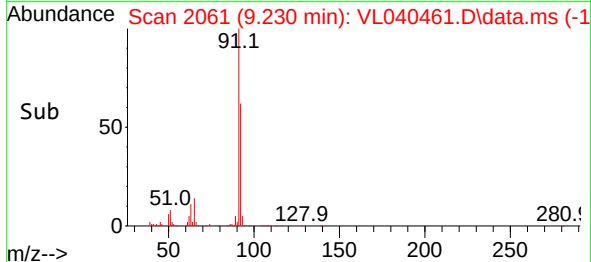
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



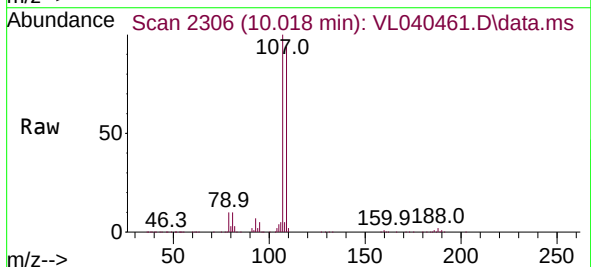
Tgt Ion: 91 Resp: 362096  
Ion Ratio Lower Upper  
91 100  
92 61.4 49.1 73.7

Manual Integrations  
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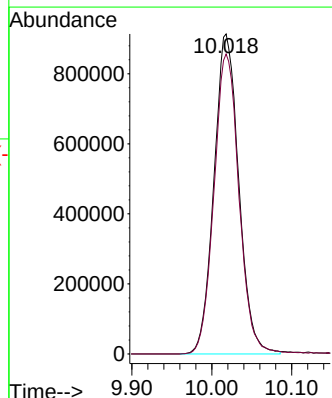
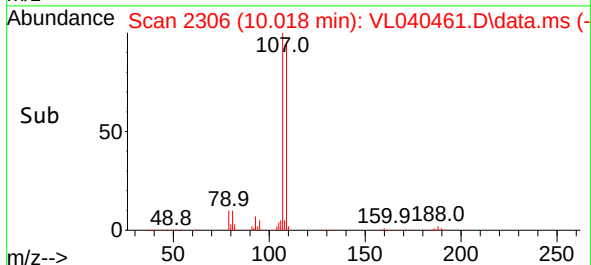
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

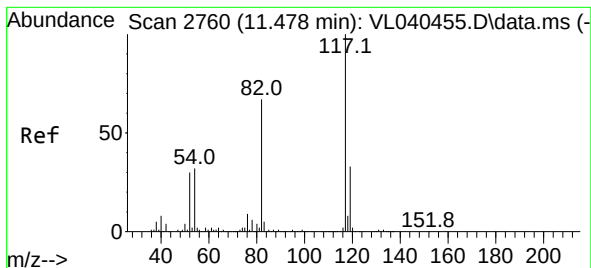


#54  
1,2-Dibromoethane  
Concen: 16.893 ppbv  
RT: 10.018 min Scan# 2306  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion:107 Resp: 1966842  
Ion Ratio Lower Upper  
107 100  
109 93.7 74.5 111.7





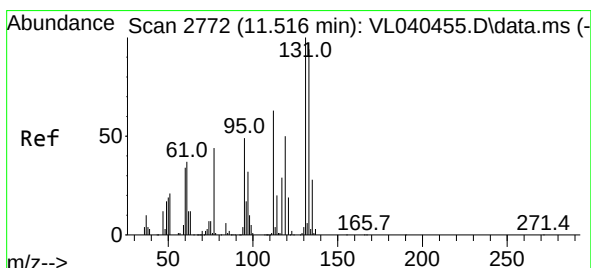
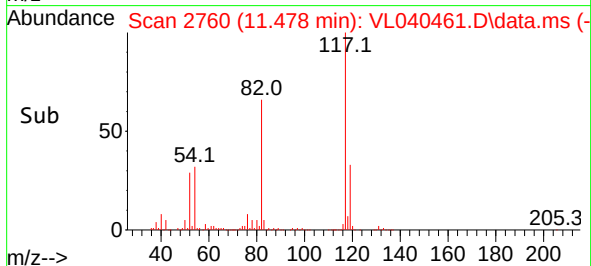
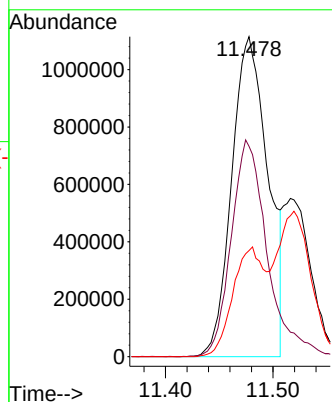
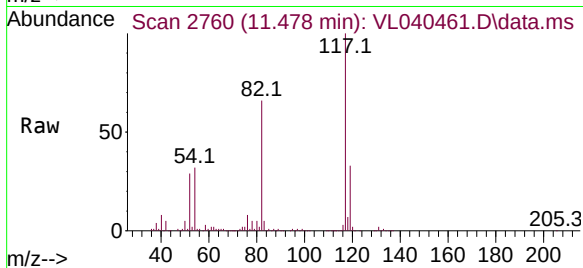
#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.478 min Scan# 2760  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument : MSVOA\_L  
ClientSampleId : VSTDIC015

Tgt Ion:117 Resp: 260691  
Ion Ratio Lower Upper  
117 100  
82 67.7 53.0 79.4  
119 0.0 24.4 36.6

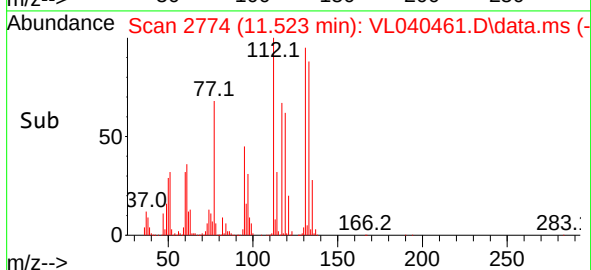
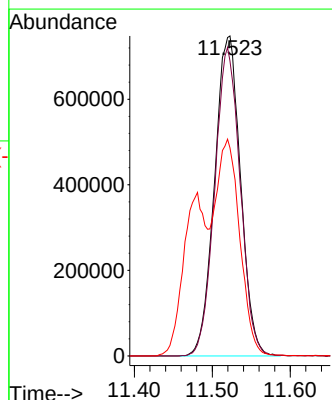
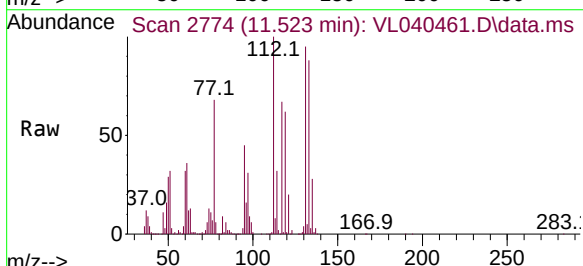
Manual Integrations  
APPROVED

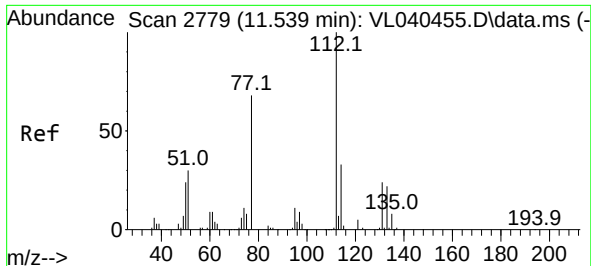
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#56  
1,1,1,2-Tetrachloroethane  
Concen: 14.171 ppbv  
RT: 11.523 min Scan# 2774  
Delta R.T. 0.006 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

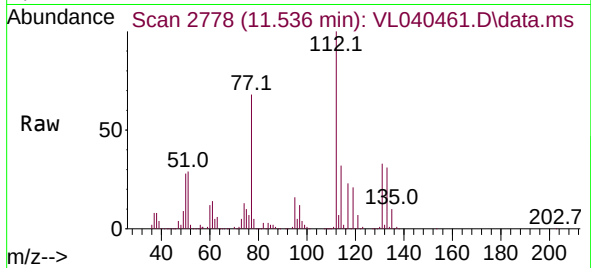
Tgt Ion:131 Resp: 1736478  
Ion Ratio Lower Upper  
131 100  
133 94.5 75.7 113.5  
119 69.7 51.4 77.2





#57  
Chlorobenzene  
Concen: 14.349 ppbv  
RT: 11.536 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

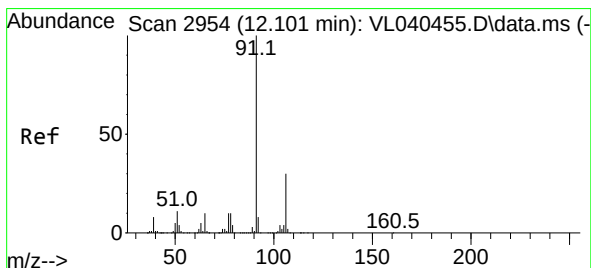
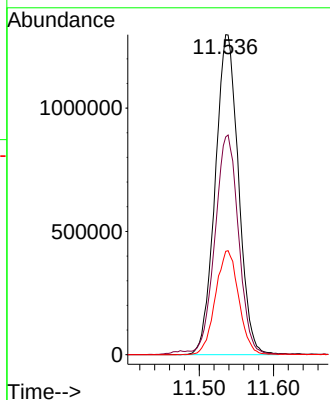
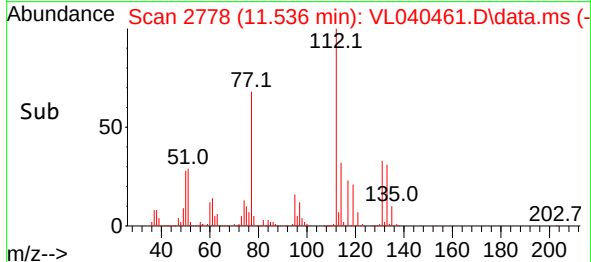
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



Tgt Ion: 112 Resp: 2827424  
Ion Ratio Lower Upper  
112 100  
77 67.9 55.4 83.2  
114 32.3 30.0 36.6

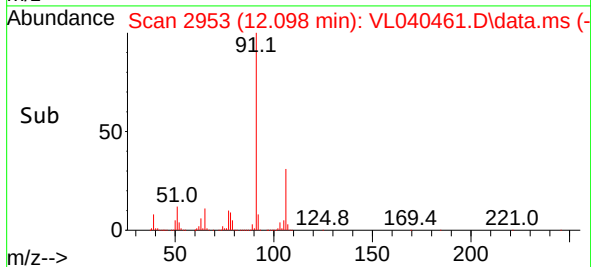
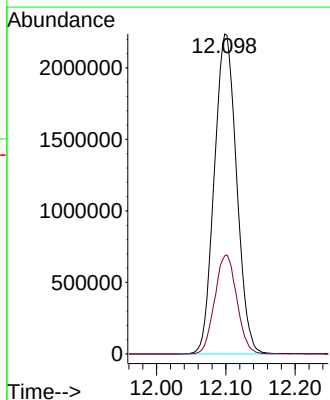
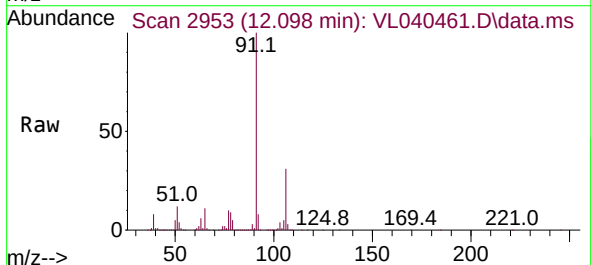
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

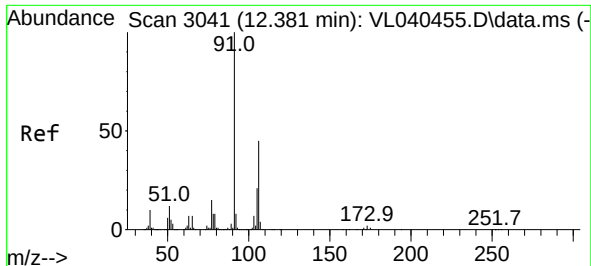


#58  
Ethyl Benzene  
Concen: 15.849 ppbv  
RT: 12.098 min Scan# 2953  
Delta R.T. -0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Tgt Ion: 91 Resp: 5001690  
Ion Ratio Lower Upper  
91 100  
106 30.7 23.7 35.5







#59

m/p-Xylene

Concen: 30.173 ppbv m

RT: 12.384 min Scan# 3041

Delta R.T. 0.003 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 873296

Ion Ratio Lower Upper

91 100

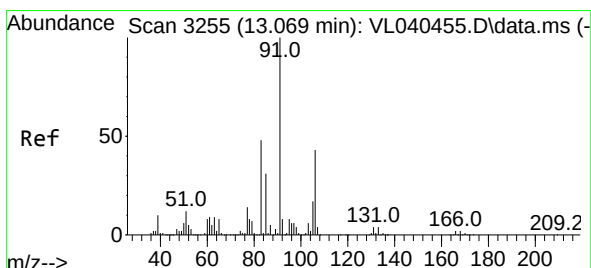
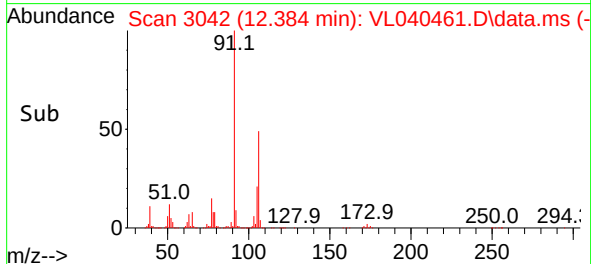
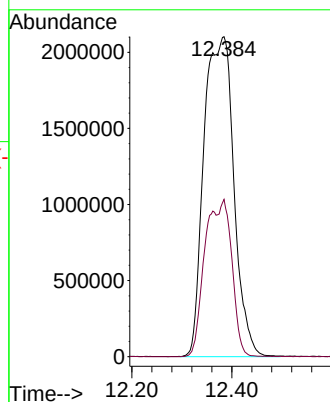
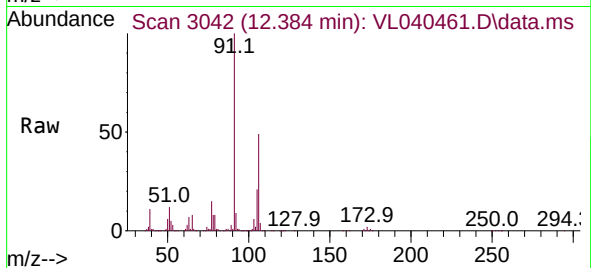
106 44.3 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#60

o-Xylene

Concen: 15.344 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040461.D

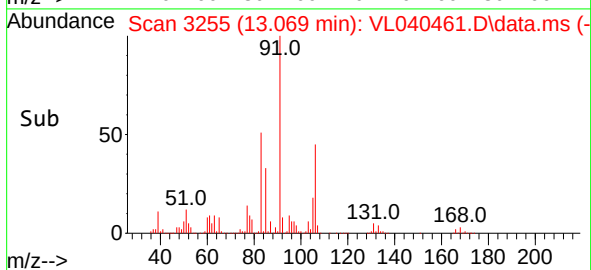
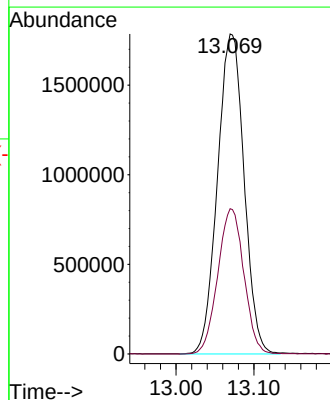
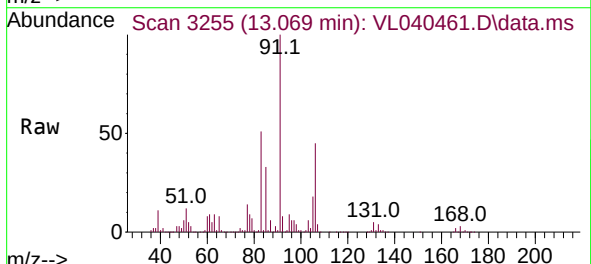
Acq: 5 Jun 2023 18:08

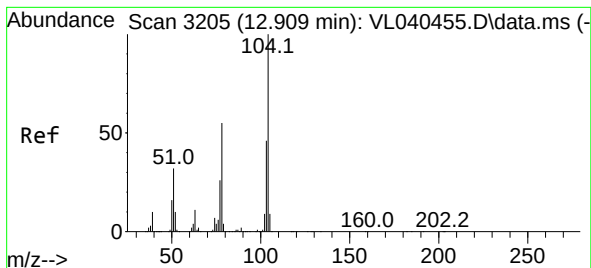
Tgt Ion: 91 Resp: 4224800

Ion Ratio Lower Upper

91 100

106 44.7 22.1 66.1





#61

Styrene

Concen: 18.224 ppbv

RT: 12.909 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL040461.D

Acq: 5 Jun 2023 18:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion:104 Resp: 2159054

Ion Ratio Lower Upper

104 100

78 53.0 43.1 64.7

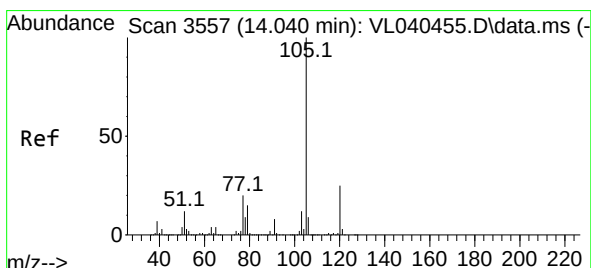
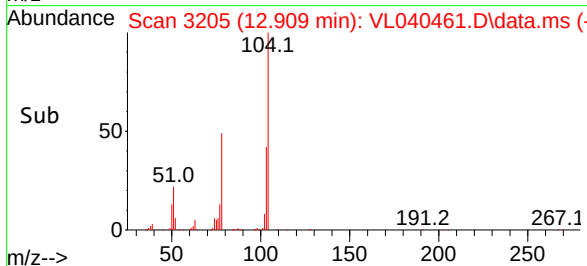
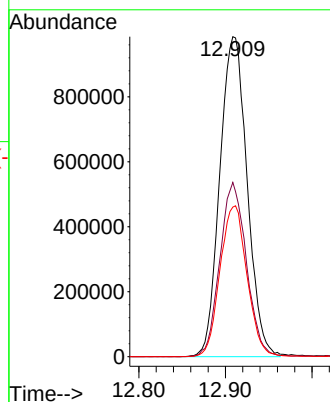
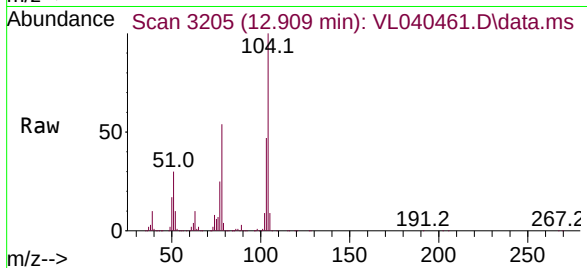
103 46.7 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#62

Isopropylbenzene

Concen: 14.841 ppbv

RT: 14.044 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL040461.D

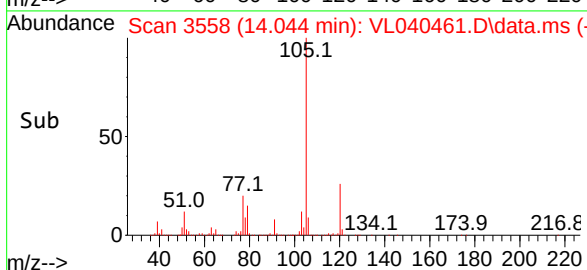
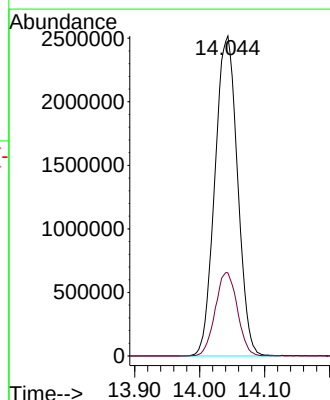
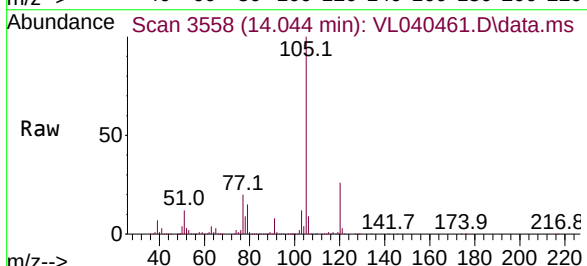
Acq: 5 Jun 2023 18:08

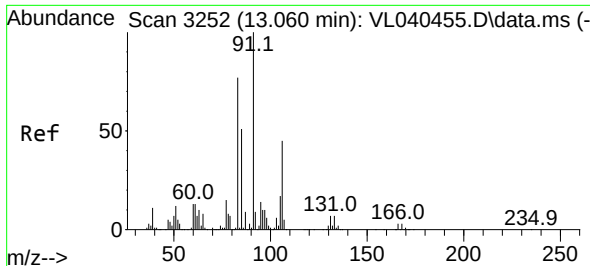
Tgt Ion:105 Resp: 6074111

Ion Ratio Lower Upper

105 100

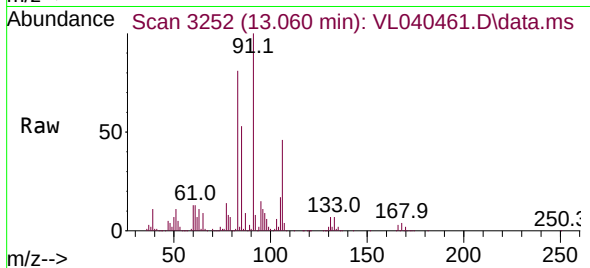
120 25.5 20.2 30.4





#63  
1,1,2,2-Tetrachloroethane  
Concen: 14.488 ppbv  
RT: 13.060 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

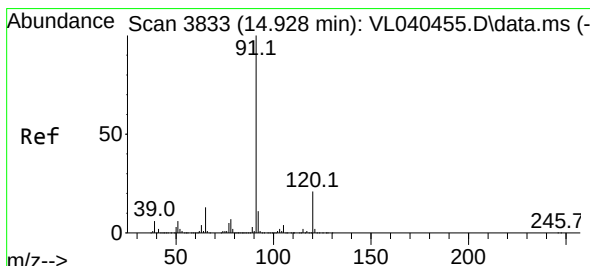
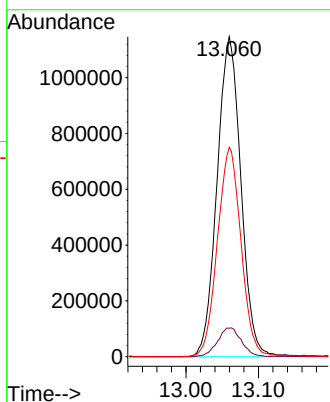
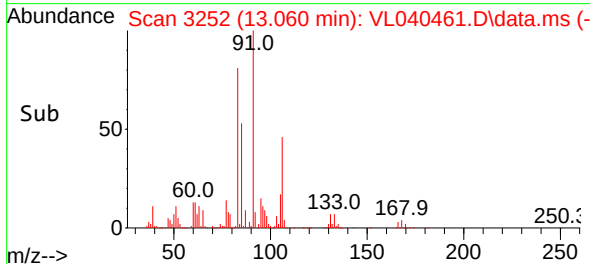
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



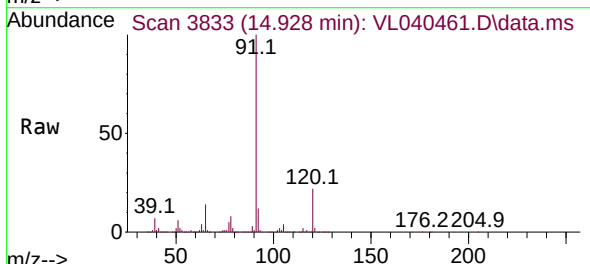
Tgt Ion: 83 Resp: 2617894  
Ion Ratio Lower Upper  
83 100  
131 9.1 4.5 13.7  
85 65.0 33.0 99.0

Manual Integrations  
APPROVED

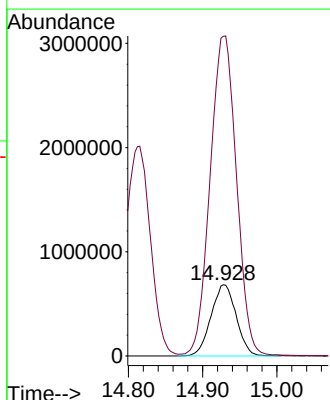
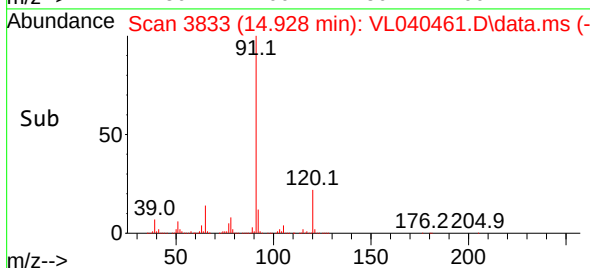
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

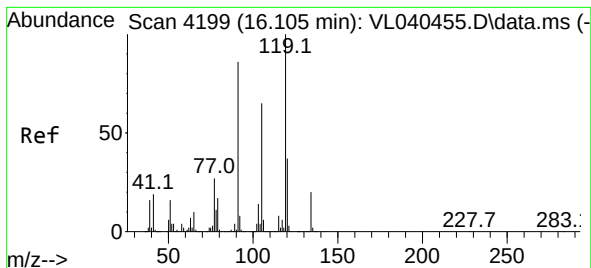


#64  
n-propylbenzene  
Concen: 16.748 ppbv  
RT: 14.928 min Scan# 3833  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



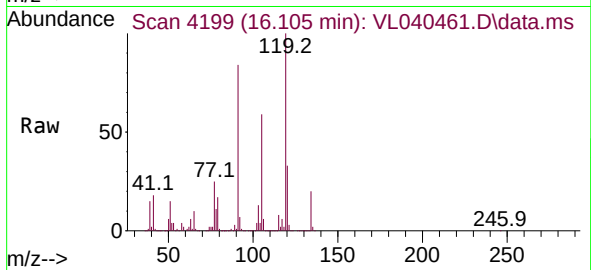
Tgt Ion:120 Resp: 1605471  
Ion Ratio Lower Upper  
120 100  
91 473.1 388.5 582.7





#65  
tert-Butylbenzene  
Concen: 14.926 ppbv  
RT: 16.105 min Scan# 4199  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

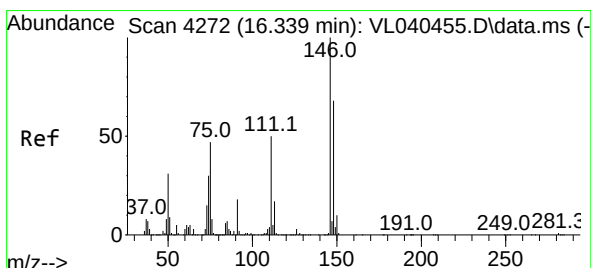
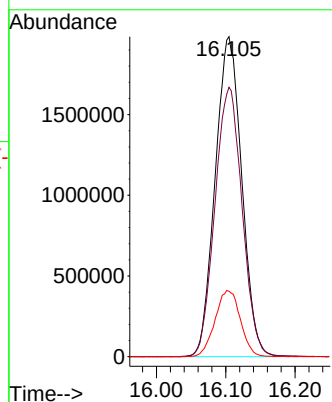
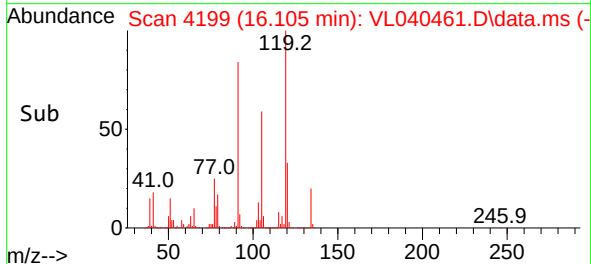
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



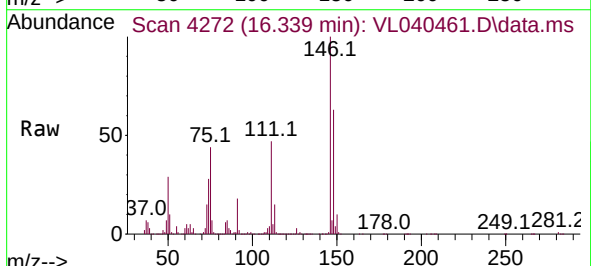
Tgt Ion: 119 Resp: 5283098  
Ion Ratio Lower Upper  
119 100  
91 86.3 70.5 105.7  
134 19.8 15.6 23.4

Manual Integrations  
APPROVED

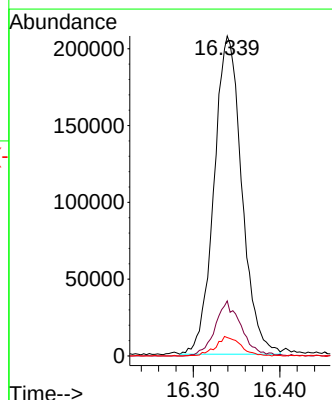
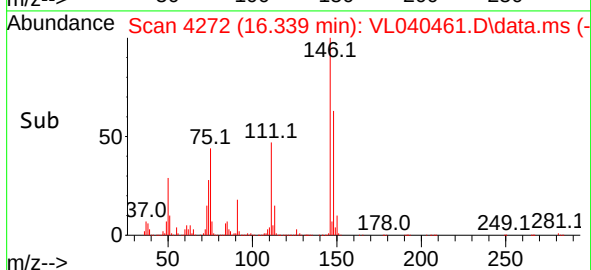
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

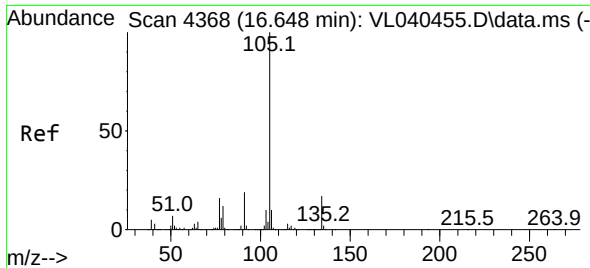


#66  
Benzyl Chloride  
Concen: 17.586 ppbv  
RT: 16.339 min Scan# 4272  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



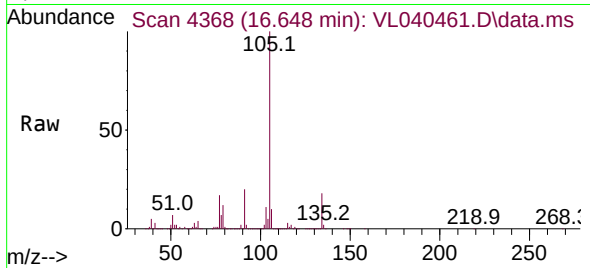
Tgt Ion: 91 Resp: 461909  
Ion Ratio Lower Upper  
91 100  
126 16.4 13.2 19.8  
128 5.6 4.6 6.8





#67  
 sec-Butylbenzene  
 Concen: 14.737 ppbv  
 RT: 16.648 min Scan# 4368  
 Delta R.T. -0.000 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08

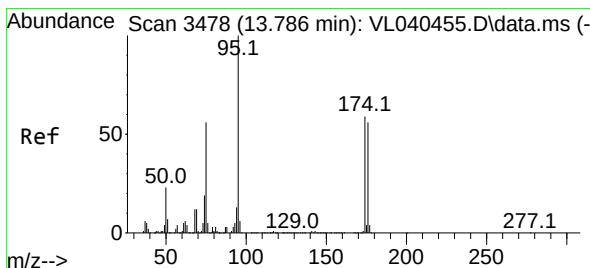
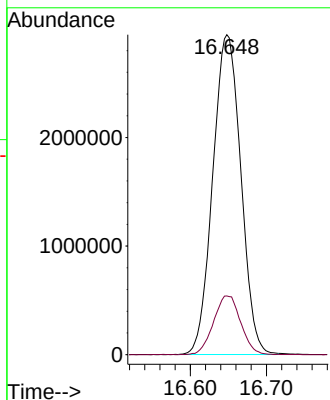
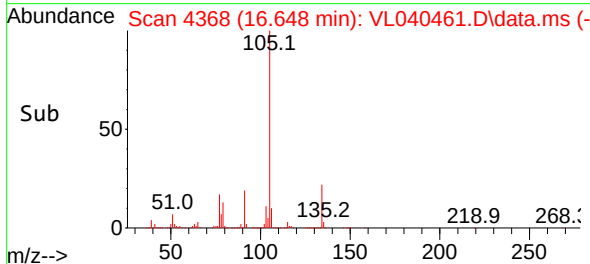
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015



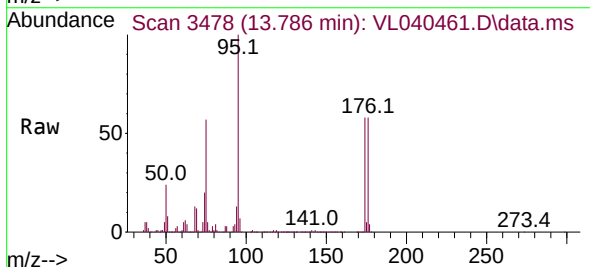
Tgt Ion:105 Resp: 754567  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.0 21.0

Manual Integrations  
 APPROVED

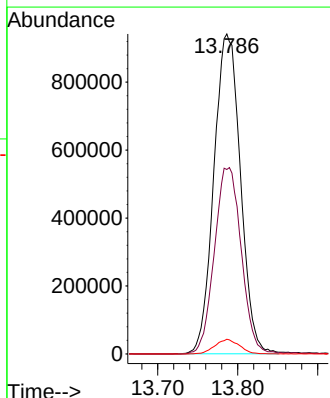
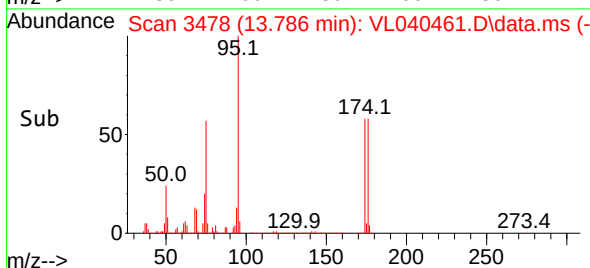
Reviewed By :Semsettin Yesilyurt 06/06/2023  
 Supervised By :Mahesh Dadoda 06/06/2023

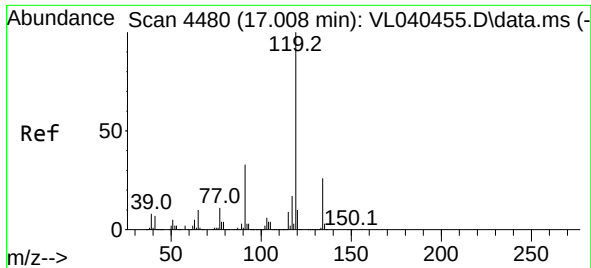


#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.097 ppbv  
 RT: 13.786 min Scan# 3478  
 Delta R.T. -0.000 min  
 Lab File: VL040461.D  
 Acq: 5 Jun 2023 18:08



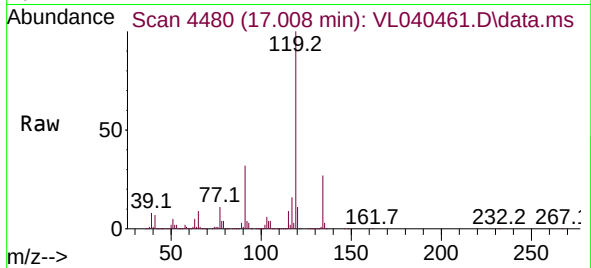
Tgt Ion: 95 Resp: 2172491  
 Ion Ratio Lower Upper  
 95 100  
 174 59.4 47.7 71.5  
 175 4.3 3.5 5.3





#69  
p-Isopropyltoluene  
Concen: 15.281 ppbv  
RT: 17.008 min Scan# 4480  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

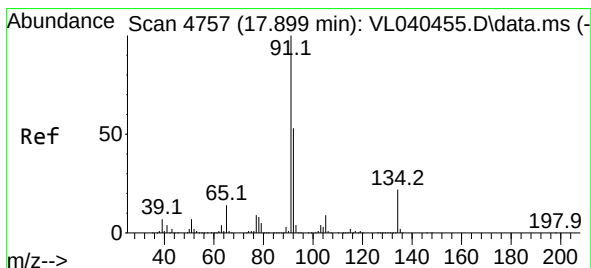
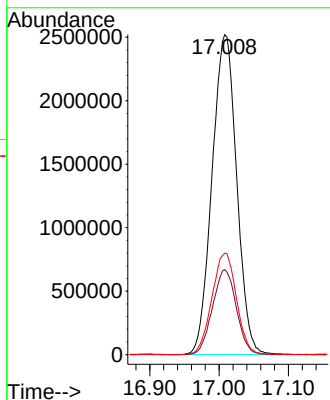
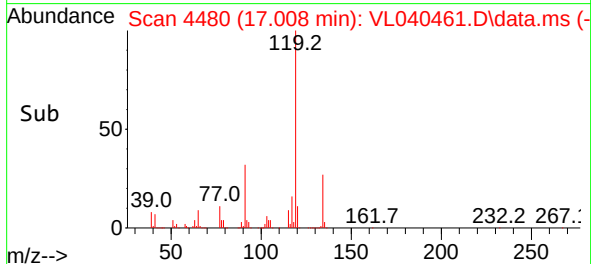
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



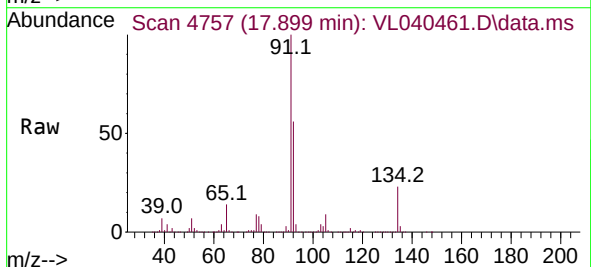
Tgt Ion:119 Resp: 6215184  
Ion Ratio Lower Upper  
119 100  
134 25.8 20.3 30.5  
91 31.8 25.5 38.3

Manual Integrations  
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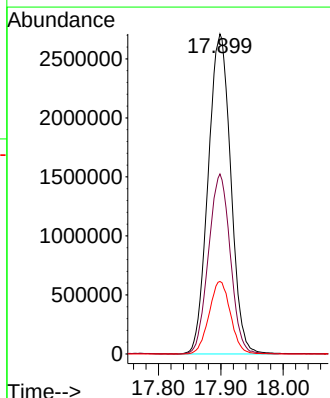
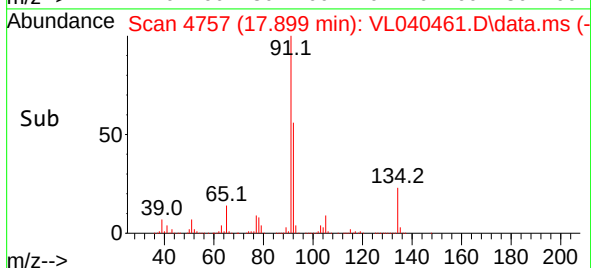
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

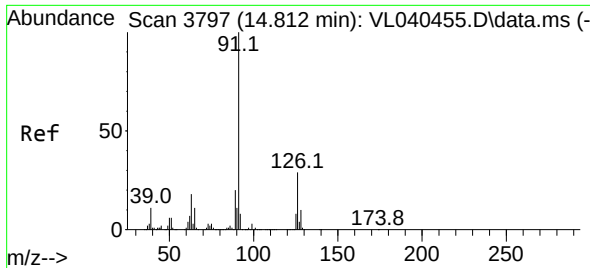


#70  
n-Butylbenzene  
Concen: 15.017 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion: 91 Resp: 6821965  
Ion Ratio Lower Upper  
91 100  
92 54.6 42.7 64.1  
134 21.6 16.9 25.3





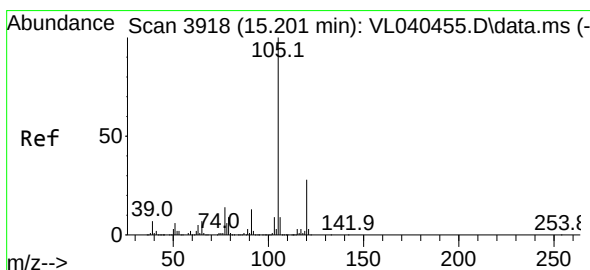
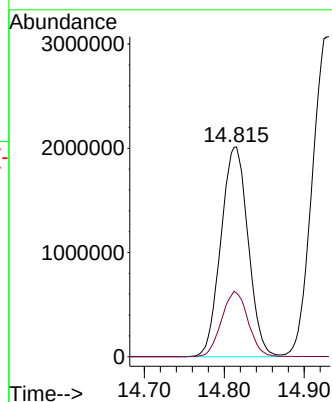
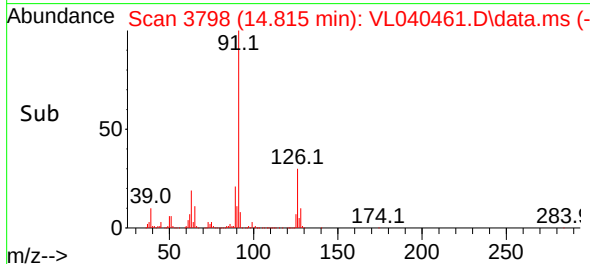
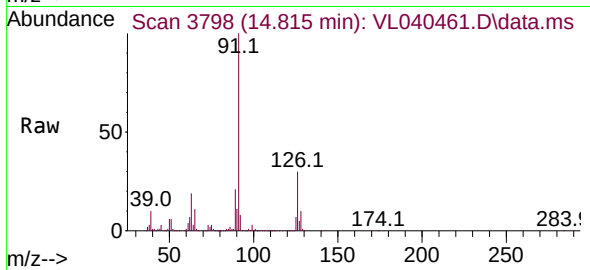
#71  
2-Chlorotoluene  
Concen: 15.640 ppbv  
RT: 14.815 min Scan# 3198  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 91 Resp: 4753192  
Ion Ratio Lower Upper  
91 100  
126 30.4 12.0 48.2

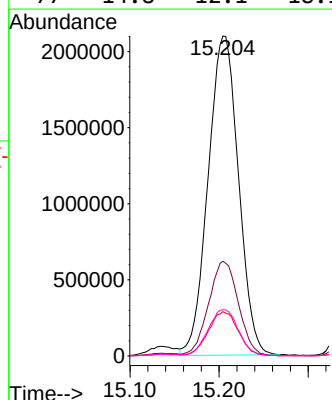
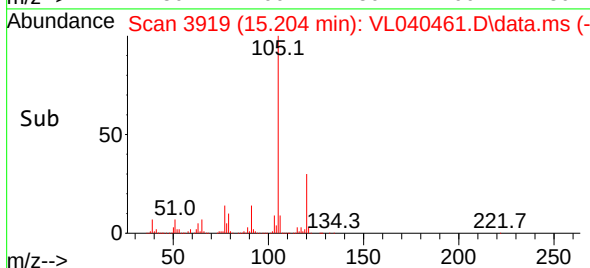
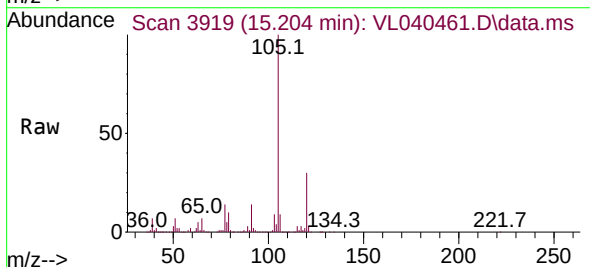
Manual Integrations  
APPROVED

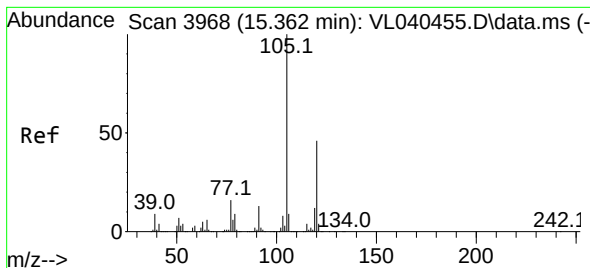
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



#72  
4-Ethyltoluene  
Concen: 16.022 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

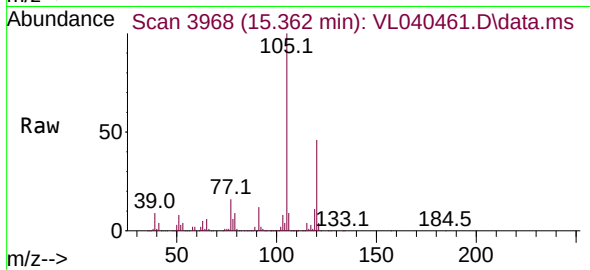
Tgt Ion:105 Resp: 4968481  
Ion Ratio Lower Upper  
105 100  
120 30.2 23.4 35.0  
91 14.4 11.1 16.7  
77 14.8 12.1 18.1





#73  
1,3,5-Trimethylbenzene  
Concen: 15.720 ppbv  
RT: 15.362 min Scan# 3968  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

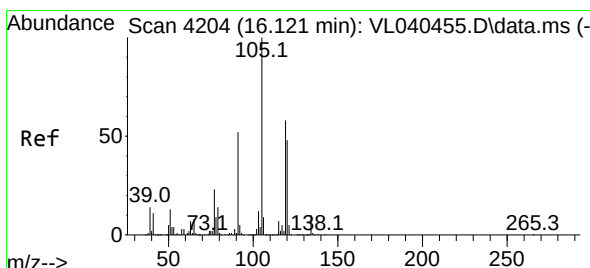
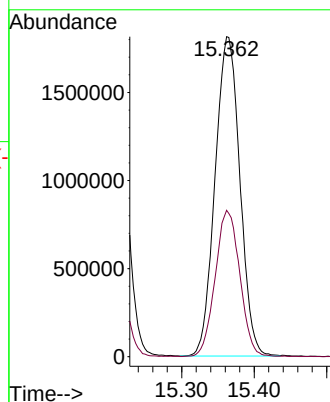
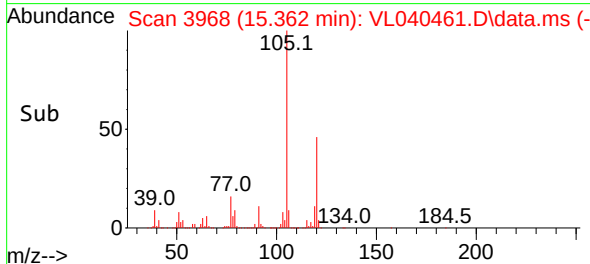
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



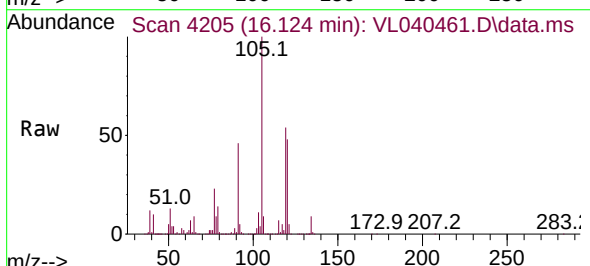
Tgt Ion:105 Resp: 430884  
Ion Ratio Lower Upper  
105 100  
120 45.8 36.4 54.6

Manual Integrations  
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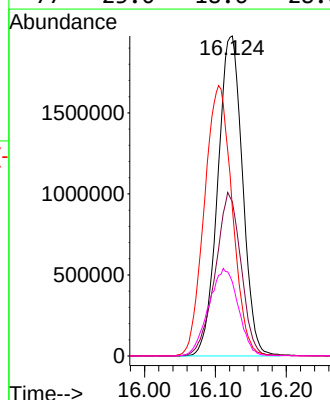
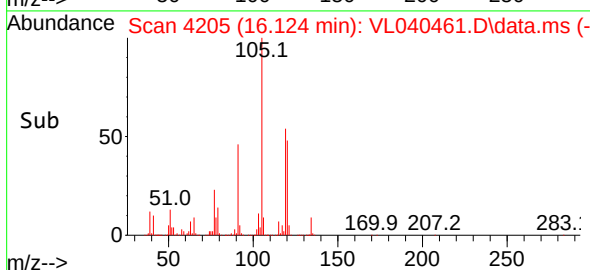
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023



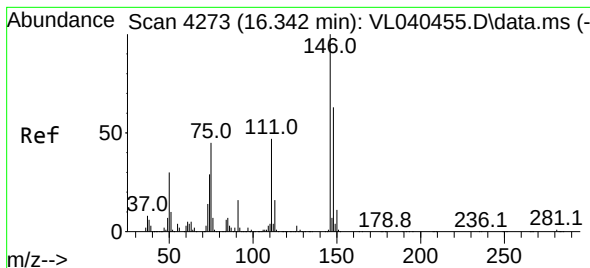
#74  
1,2,4-Trimethylbenzene  
Concen: 14.865 ppbv  
RT: 16.124 min Scan# 4205  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



Tgt Ion:105 Resp: 4793368  
Ion Ratio Lower Upper  
105 100  
120 48.0 38.4 57.6  
91 45.9 41.3 61.9  
77 23.0 18.6 28.0

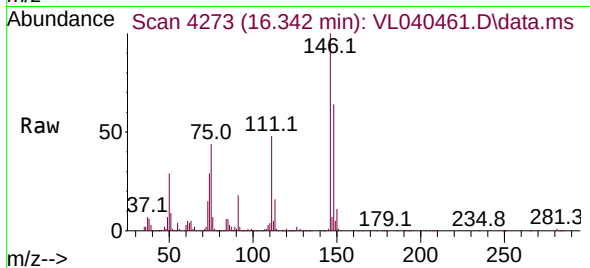






#75  
1,3-Dichlorobenzene  
Concen: 15.045 ppbv  
RT: 16.342 min Scan# 4273  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

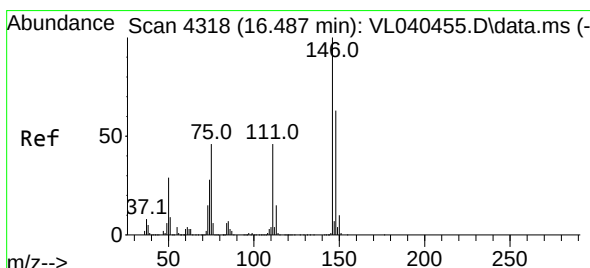
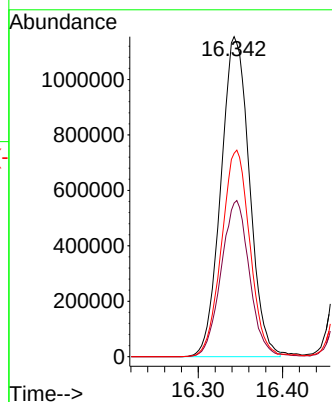
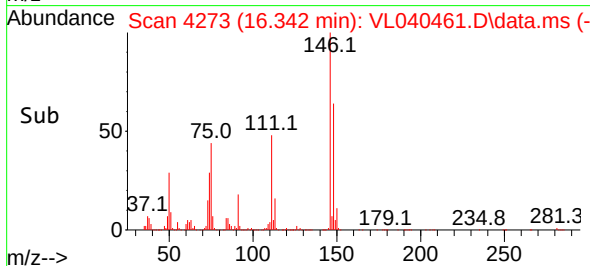
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



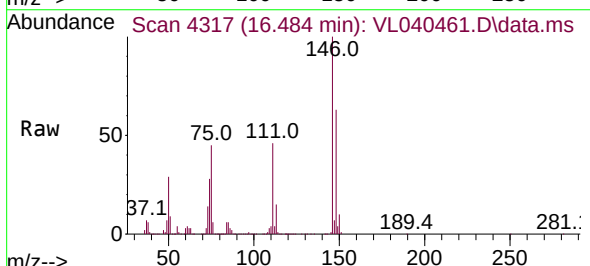
Tgt Ion:146 Resp: 271519  
Ion Ratio Lower Upper  
146 100  
111 48.4 24.6 73.8  
148 64.4 32.4 97.2

Manual Integrations  
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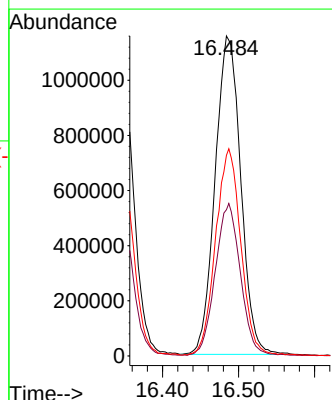
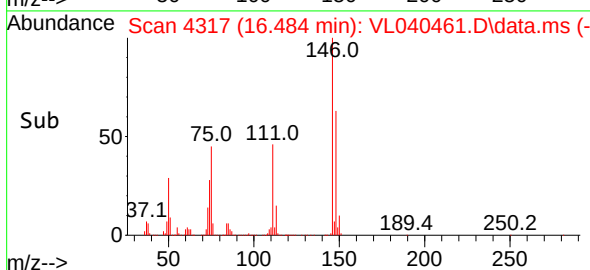
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

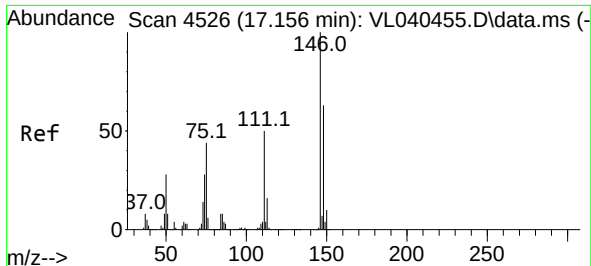


#76  
1,4-Dichlorobenzene  
Concen: 15.107 ppbv  
RT: 16.484 min Scan# 4317  
Delta R.T. -0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



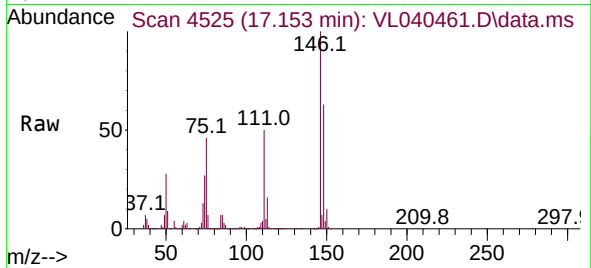
Tgt Ion:146 Resp: 2699984  
Ion Ratio Lower Upper  
146 100  
111 47.2 23.8 71.5  
148 64.6 32.9 98.6





#77  
1,2-Dichlorobenzene  
Concen: 14.602 ppbv  
RT: 17.153 min Scan# 4526  
Delta R.T. -0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

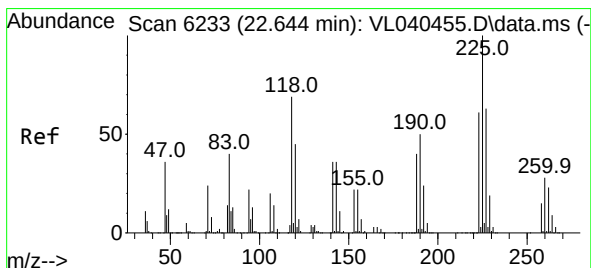
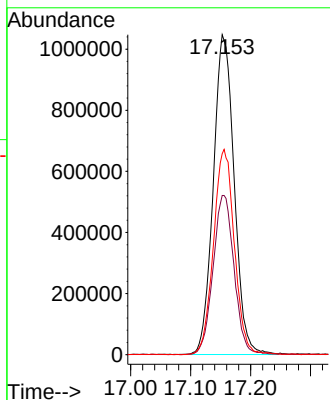
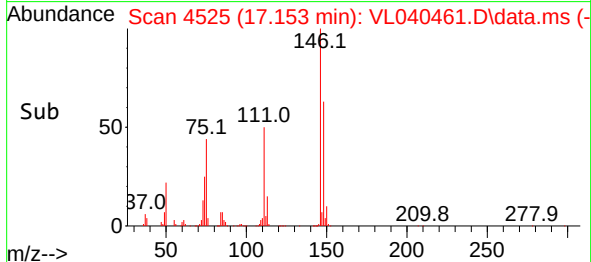
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



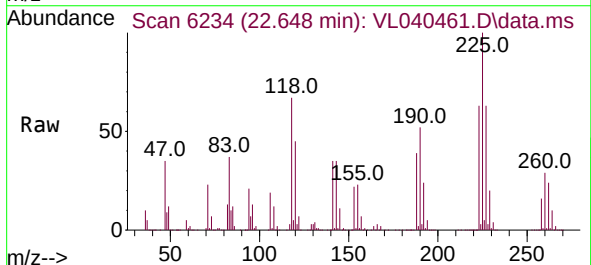
Tgt Ion:146 Resp: 252644  
Ion Ratio Lower Upper  
146 100  
111 50.1 25.1 75.3  
148 64.2 32.0 96.2

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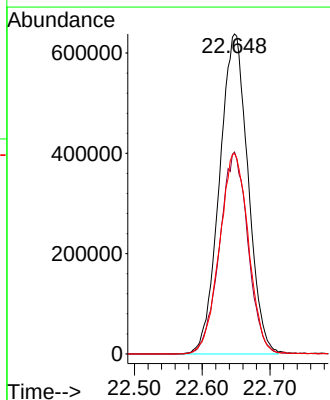
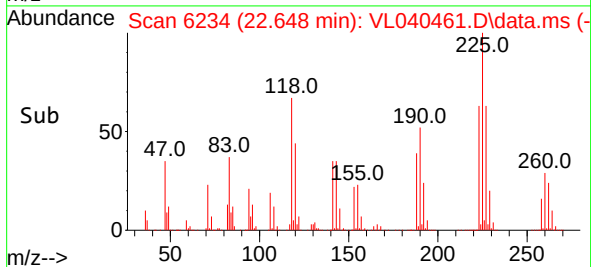
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

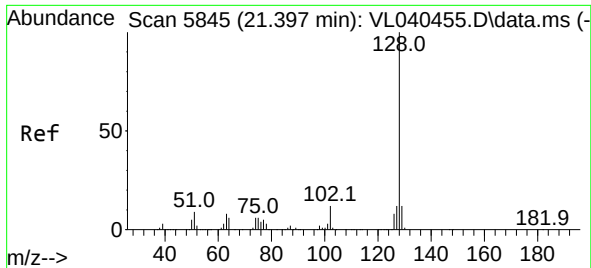


#78  
Hexachloro-1,3-Butadiene  
Concen: 14.121 ppbv  
RT: 22.648 min Scan# 6234  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



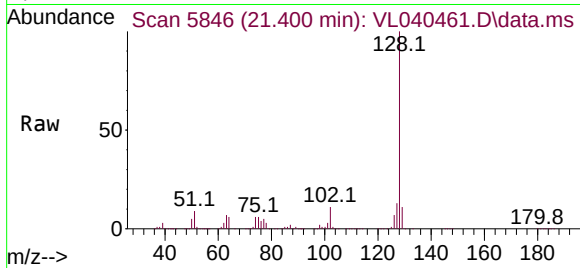
Tgt Ion:225 Resp: 1867347  
Ion Ratio Lower Upper  
225 100  
223 62.9 50.0 75.0  
227 63.7 50.9 76.3





#79  
Naphthalene  
Concen: 19.935 ppbv  
RT: 21.400 min Scan# 5846  
Delta R.T. 0.003 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

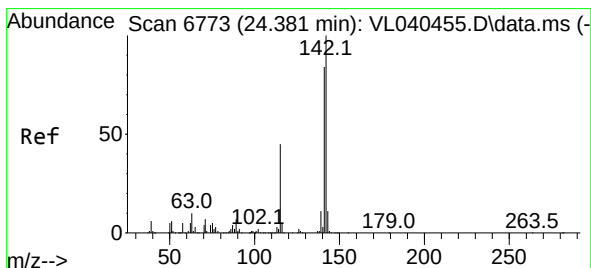
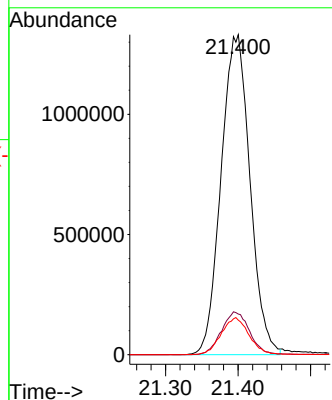
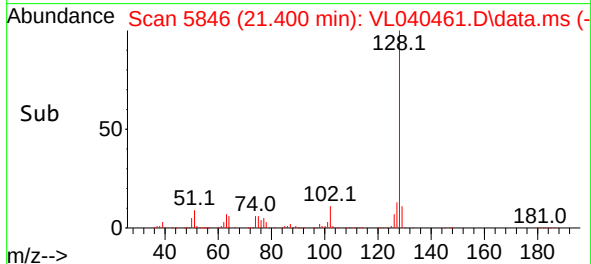
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015



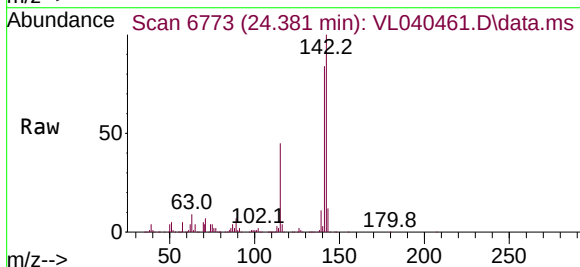
Tgt Ion:128 Resp: 368674  
Ion Ratio Lower Upper  
128 100  
127 12.7 9.9 14.9  
129 10.8 9.2 13.8

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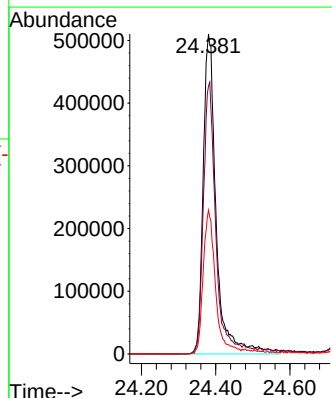
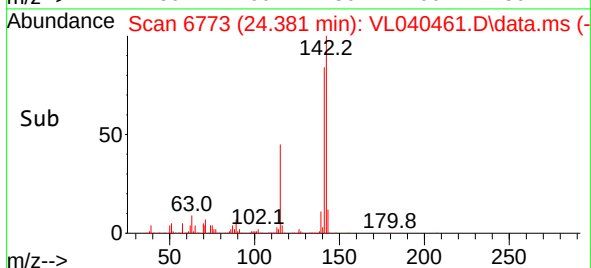
Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

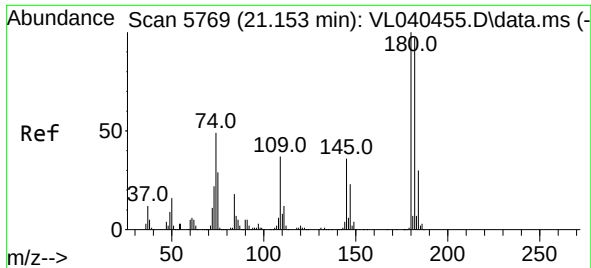


#80  
Naphthalene,2-methyl-  
Concen: 23.915 ppbv  
RT: 24.381 min Scan# 6773  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08



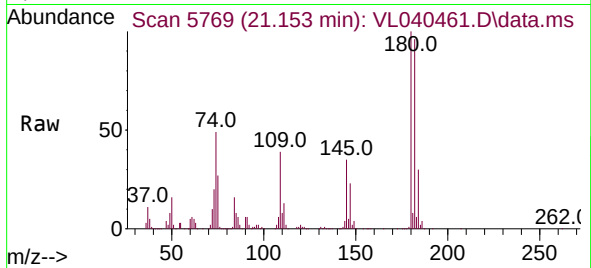
Tgt Ion:142 Resp: 1243787  
Ion Ratio Lower Upper  
142 100  
141 83.3 65.4 98.0  
115 42.4 36.6 55.0





#81  
1,2,4-Trichlorobenzene  
Concen: 16.450 ppbv  
RT: 21.153 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VL040461.D  
Acq: 5 Jun 2023 18:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015



Tgt Ion:180 Resp: 210892  
Ion Ratio Lower Upper  
180 100  
182 96.4 77.2 115.8  
184 30.9 24.4 36.6

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 06/06/2023  
Supervised By :Mahesh Dadoda 06/06/2023

