

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110823\  
 Data File : VL040809.D  
 Acq On : 8 Nov 2023 13:08  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:25:45 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.208  | 49   | 1113451  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 2795787  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.461 | 117  | 2601266  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1898650 9.919 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

|                               |       |     |          |        |        | Qvalue |
|-------------------------------|-------|-----|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.771 | 85  | 2218077  | 11.312 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.716 | 51  | 1760354  | 10.758 | ppbv   | 96     |
| 4) Chloromethane              | 2.854 | 50  | 656017   | 10.153 | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.960 | 62  | 671805   | 10.062 | ppbv   | 99     |
| 6) Bromomethane               | 3.156 | 94  | 292189   | 10.579 | ppbv   | 94     |
| 7) Chloroethane               | 3.230 | 64  | 236856   | 10.898 | ppbv   | 92     |
| 8) Dichlorotetrafluoroethane  | 2.896 | 85  | 1626979  | 10.946 | ppbv   | 100    |
| 9) Propene                    | 2.735 | 41  | 606724   | 9.982  | ppbv   | 99     |
| 10) Heptane                   | 7.587 | 43  | 1545528  | 10.122 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.594 | 101 | 1731676  | 11.443 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.092 | 101 | 1182253  | 10.953 | ppbv   | 100    |
| 13) Ethanol                   | 3.279 | 45  | 127023   | 9.258  | ppbv   | 98     |
| 14) Bromoethene               | 3.401 | 108 | 517733   | 11.200 | ppbv   | 98     |
| 15) Acetone                   | 3.500 | 43  | 1193245  | 10.366 | ppbv   | 98     |
| 16) 1,3-Butadiene             | 3.021 | 39  | 645792   | 10.694 | ppbv   | 97     |
| 17) tert-Butyl alcohol        | 3.906 | 59  | 1036735  | 8.784  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.909 | 96  | 518850   | 10.725 | ppbv   | 93     |
| 19) Isopropyl Alcohol         | 3.607 | 45  | 749330   | 10.113 | ppbv # | 40     |
| 20) Methylene Chloride        | 3.960 | 84  | 432056   | 9.011  | ppbv   | 99     |
| 21) Allyl Chloride            | 4.021 | 41  | 803174   | 10.580 | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 4.468 | 96  | 570651   | 11.083 | ppbv   | 95     |
| 23) Vinyl Acetate             | 4.648 | 43  | 1709288  | 11.652 | ppbv # | 99     |
| 24) 1,1-Dichloroethane        | 4.587 | 63  | 1228819  | 11.106 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.221 | 43  | 2592919  | 10.281 | ppbv   | 99     |
| 26) Hexane                    | 5.227 | 57  | 1127679  | 9.783  | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.150 | 76  | 1393705  | 10.958 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.610 | 73  | 981595   | 10.951 | ppbv   | 98     |
| 29) Chloroform                | 5.291 | 83  | 1886046  | 11.308 | ppbv   | 99     |
| 30) Cyclohexane               | 6.610 | 84  | 971212   | 9.901  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.098 | 61  | 1180138  | 11.110 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.015 | 97  | 1876999  | 10.574 | ppbv   | 98     |
| 34) 2-Butanone                | 4.806 | 43  | 1625122  | 12.842 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.507 | 117 | 2004735  | 12.775 | ppbv   | 95     |
| 36) Benzene                   | 6.381 | 78  | 2425157  | 11.277 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 5.822 | 62  | 1419645m | 12.890 | ppbv   |        |
| 38) Trichloroethene           | 7.298 | 130 | 935098   | 9.826  | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.082 | 63  | 945400   | 11.253 | ppbv   | 94     |
| 40) 1,4-Dioxane               | 7.291 | 88  | 386611   | 12.160 | ppbv # | 95     |
| 41) Tetrahydrofuran           | 5.571 | 42  | 1003268  | 11.448 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.256 | 83  | 2113288  | 12.809 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 7.481 | 69  | 1004373  | 11.668 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 7.333 | 57  | 3946269  | 10.852 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 8.716 | 75  | 892161   | 12.997 | ppbv   | 99     |

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 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:25:45 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M

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

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

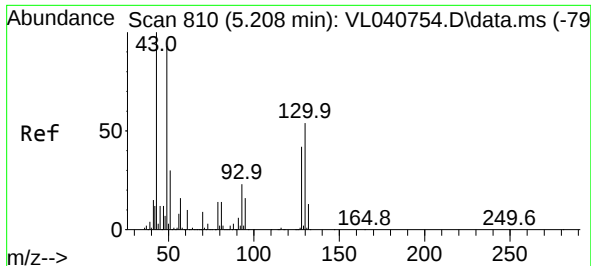
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.143  | 75   | 1044316  | 12.453 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.899  | 97   | 1021268  | 11.572 | ppbv   | 99       |
| 48) Dibromochloromethane      | 9.709  | 129  | 1819482  | 12.302 | ppbv   | 100      |
| 49) Bromoform                 | 12.400 | 173  | 1467402  | 12.206 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 2534657  | 11.708 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.548  | 43   | 1913344  | 11.613 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.613 | 164  | 849190   | 9.722  | ppbv   | 93       |
| 53) Toluene                   | 9.220  | 91   | 2801836  | 10.948 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 10.005 | 107  | 1518752  | 12.276 | ppbv   | 95       |
| 56) 1,1,1,2-Tetrachloroethane | 11.503 | 131  | 1282068  | 12.076 | ppbv   | 96       |
| 57) Chlorobenzene             | 11.523 | 112  | 2151331  | 11.543 | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.082 | 91   | 3797556  | 11.595 | ppbv   | 95       |
| 59) m/p-Xylene                | 12.368 | 91   | 6397829m | 23.735 | ppbv   |          |
| 60) o-Xylene                  | 13.053 | 91   | 3055878  | 11.898 | ppbv   | 97       |
| 61) Styrene                   | 12.892 | 104  | 1650886  | 11.601 | ppbv   | 97       |
| 62) Isopropylbenzene          | 14.021 | 105  | 4442367  | 11.243 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83   | 2207334  | 11.463 | ppbv   | 100      |
| 64) n-propylbenzene           | 14.908 | 120  | 1187033  | 11.183 | ppbv   | 86       |
| 65) tert-Butylbenzene         | 16.082 | 119  | 3928670  | 11.024 | ppbv   | 95       |
| 66) Benzyl Chloride           | 16.317 | 91   | 351466m  | 9.789  | ppbv   |          |
| 67) sec-Butylbenzene          | 16.628 | 105  | 5538520  | 11.351 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 16.985 | 119  | 4565139  | 11.165 | ppbv   | 98       |
| 70) n-Butylbenzene            | 17.876 | 91   | 4842476  | 12.061 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 14.793 | 91   | 3505645  | 11.811 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 15.185 | 105  | 3551418  | 11.807 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.342 | 105  | 3070580  | 11.595 | ppbv   | 94       |
| 74) 1,2,4-Trimethylbenzene    | 16.101 | 105  | 3357662  | 11.605 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.320 | 146  | 1990017  | 11.059 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 16.461 | 146  | 1960481  | 11.001 | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 17.133 | 146  | 1922022  | 10.886 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 22.622 | 225  | 1190402  | 9.423  | ppbv   | 99       |
| 79) Naphthalene               | 21.371 | 128  | 2839888  | 12.075 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.365 | 142  | 734925   | 11.136 | ppbv # | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.133 | 180  | 1410025  | 11.043 | ppbv   | 99       |

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

## Manual Integrations

Quant Time: Nov 09 00:25:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Thu Nov 09 00:25:02 2023  
Response via : Initial Calibration





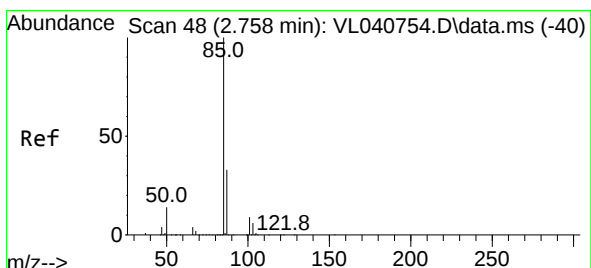
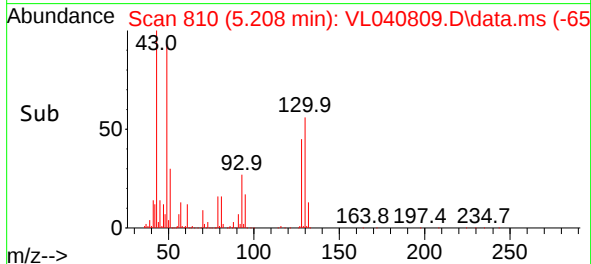
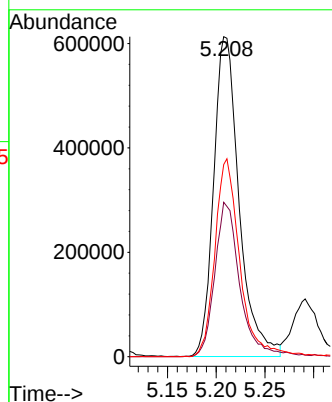
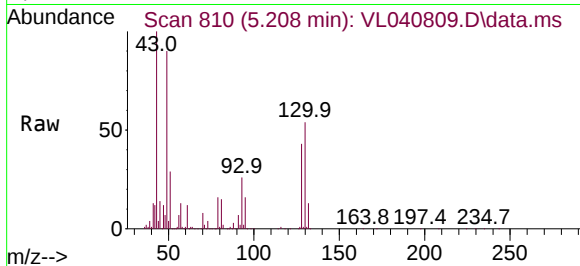
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.208 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 49 Resp: 111345  
Ion Ratio Lower Upper  
49 100  
128 47.9 23.9 71.7  
130 61.3 30.7 92.1

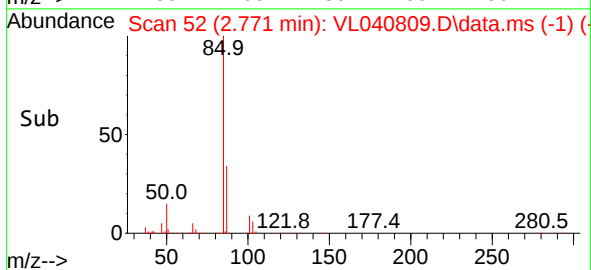
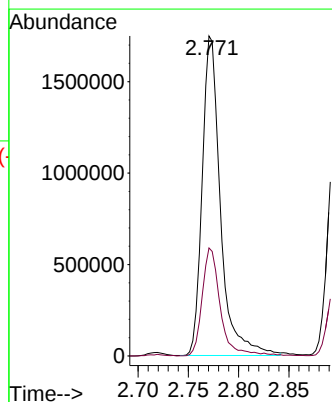
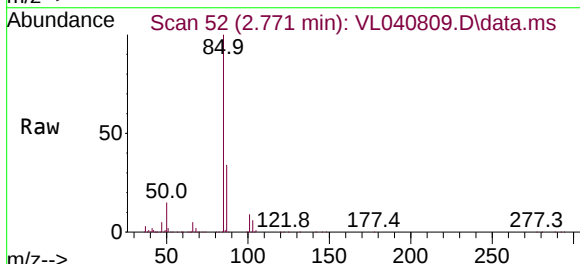
Manual Integrations  
APPROVED

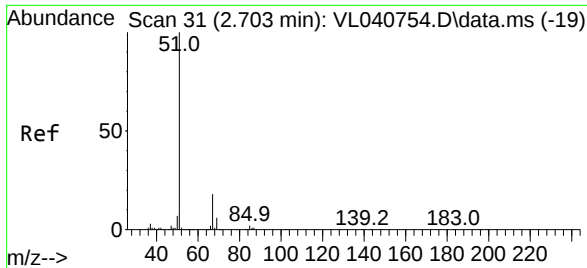
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#2  
Dichlorodifluoromethane  
Concen: 11.312 ppbv  
RT: 2.771 min Scan# 52  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

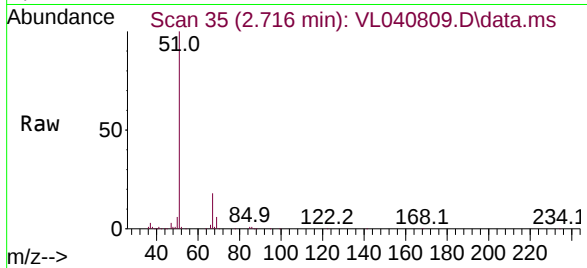
Tgt Ion: 85 Resp: 2218077  
Ion Ratio Lower Upper  
85 100  
87 33.7 26.0 39.0





#3  
Chlorodifluoromethane  
Concen: 10.758 ppbv  
RT: 2.716 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

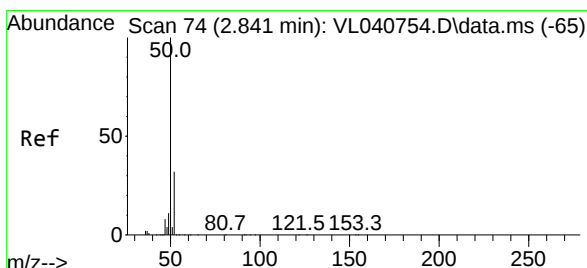
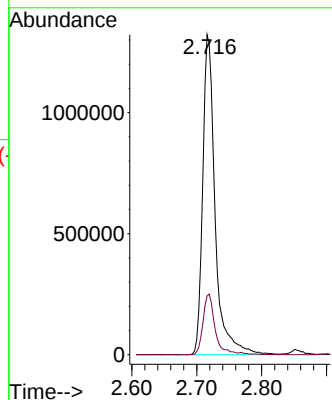
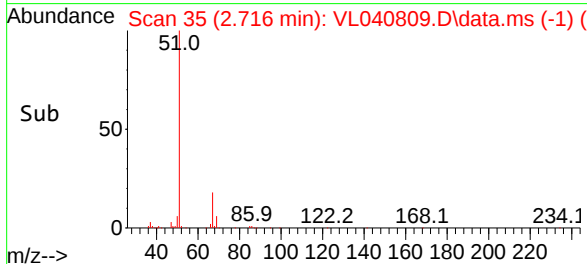
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 51 Resp: 1760354  
Ion Ratio Lower Upper  
51 100  
67 18.8 13.8 20.6

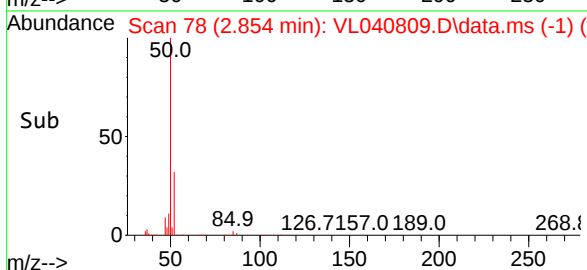
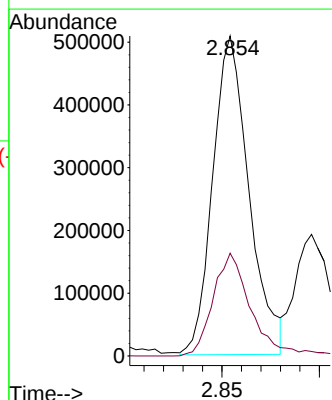
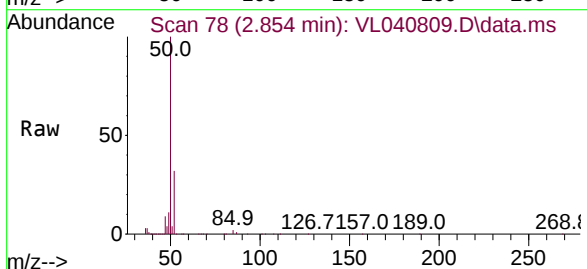
Manual Integrations  
APPROVED

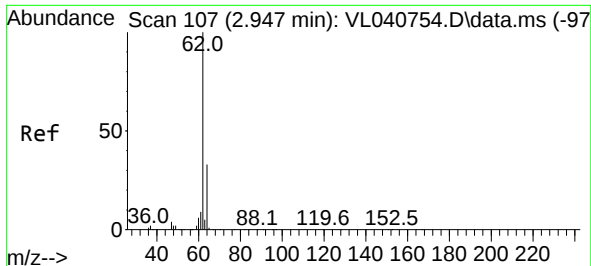
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#4  
Chloromethane  
Concen: 10.153 ppbv  
RT: 2.854 min Scan# 78  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

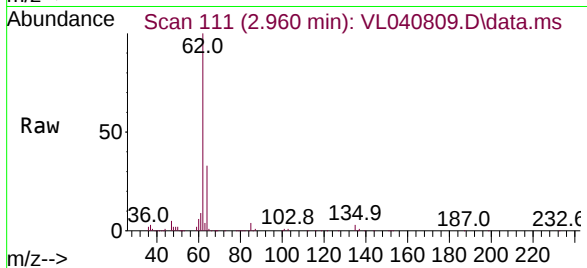
Tgt Ion: 50 Resp: 656017  
Ion Ratio Lower Upper  
50 100  
52 32.3 25.3 37.9





#5  
 Vinyl Chloride  
 Concen: 10.062 ppbv  
 RT: 2.960 min Scan# 111  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

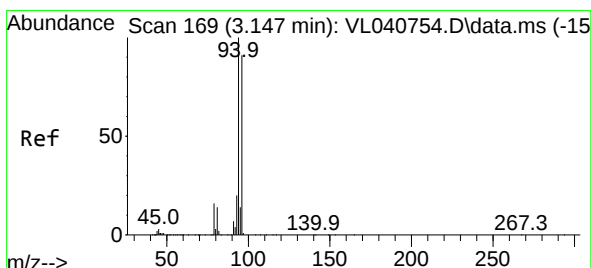
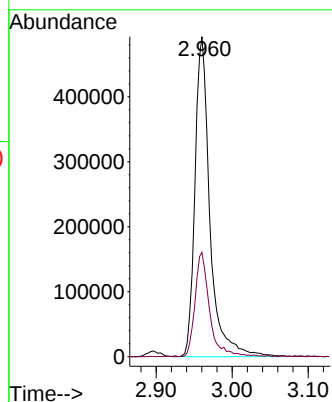
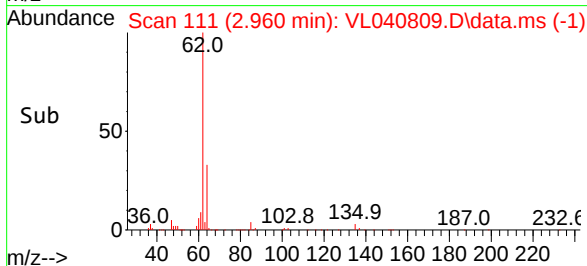
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



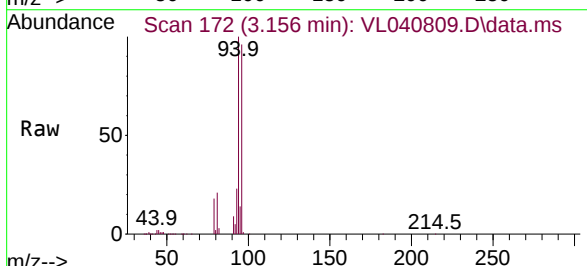
Tgt Ion: 62 Resp: 67180  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 26.6 39.8

Manual Integrations  
 APPROVED

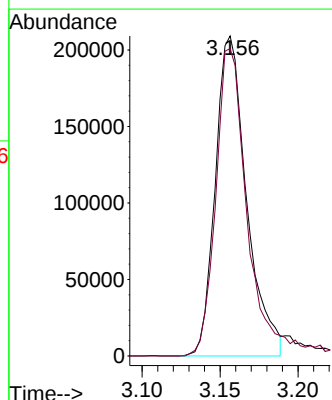
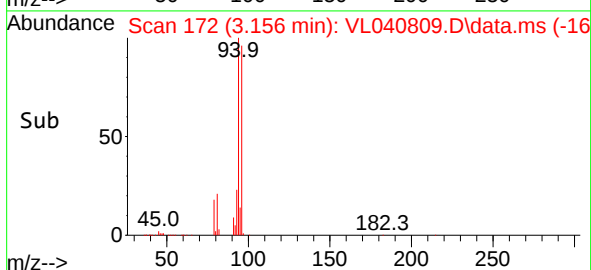
Reviewed By :Semsettin Yesilyurt 11/11/2023  
 Supervised By :Mahesh Dadoda 11/13/2023

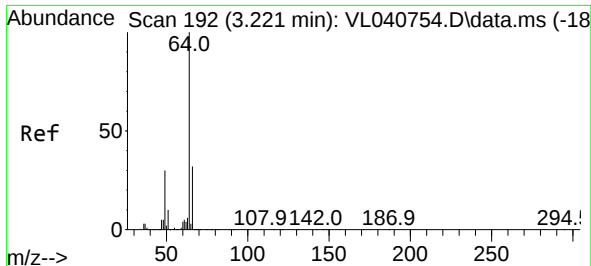


#6  
 Bromomethane  
 Concen: 10.579 ppbv  
 RT: 3.156 min Scan# 172  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08



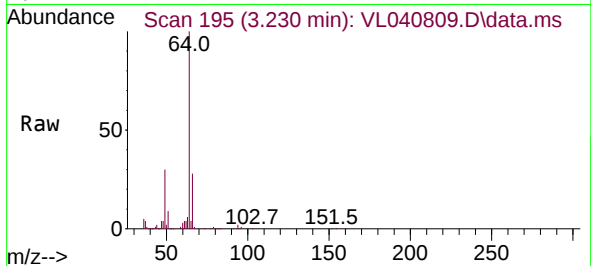
Tgt Ion: 94 Resp: 292189  
 Ion Ratio Lower Upper  
 94 100  
 96 96.1 72.6 109.0





#7  
Chloroethane  
Concen: 10.898 ppbv  
RT: 3.230 min Scan# 192  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

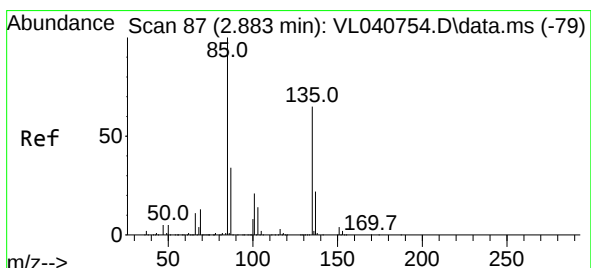
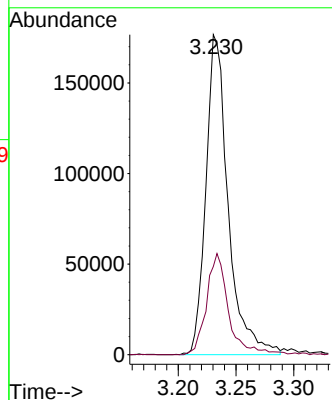
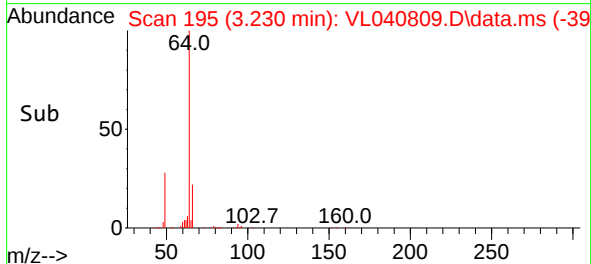
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 64 Resp: 236850  
Ion Ratio Lower Upper  
64 100  
66 27.6 25.4 38.2

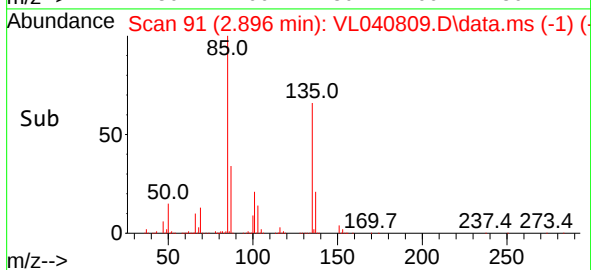
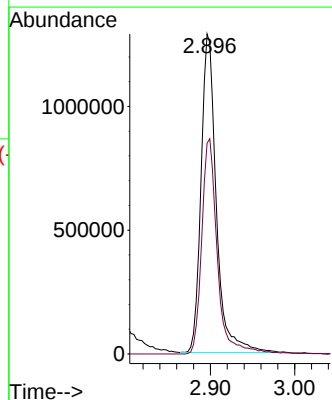
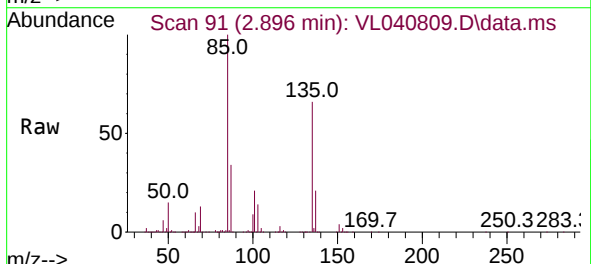
Manual Integrations  
APPROVED

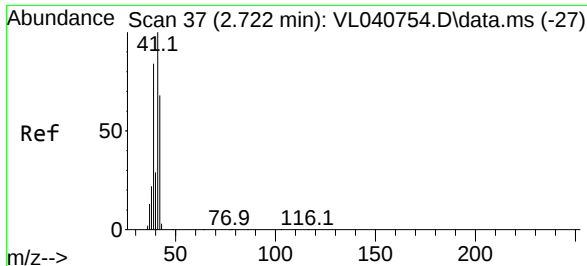
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#8  
Dichlorotetrafluoroethane  
Concen: 10.946 ppbv  
RT: 2.896 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

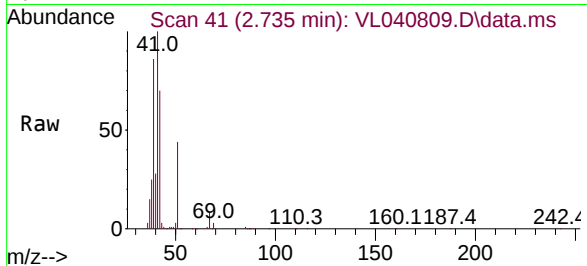
Tgt Ion: 85 Resp: 1626979  
Ion Ratio Lower Upper  
85 100  
135 69.4 55.4 83.2





#9  
 Propene  
 Concen: 9.982 ppbv  
 RT: 2.735 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

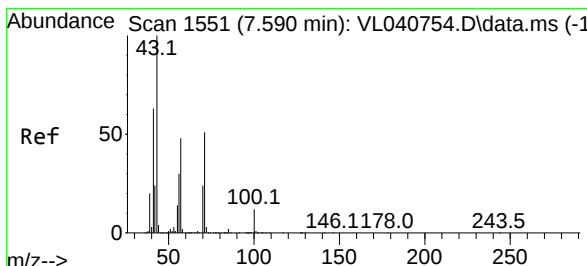
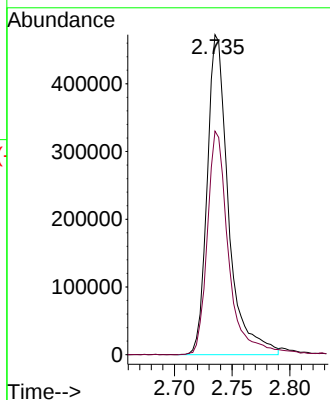
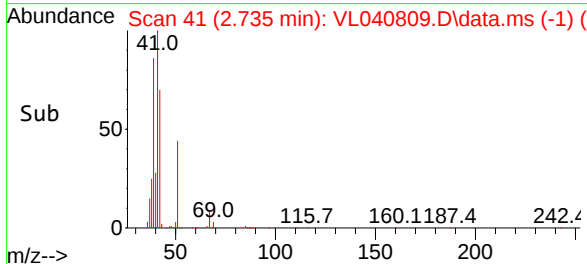
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



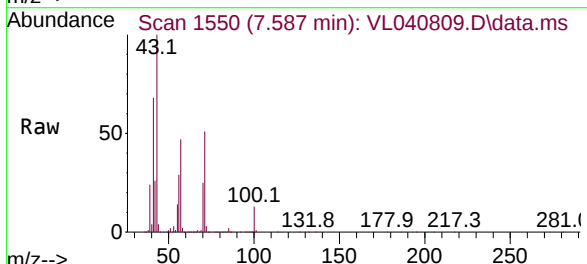
Tgt Ion: 41 Resp: 606724  
 Ion Ratio Lower Upper  
 41 100  
 42 70.7 57.1 85.7

Manual Integrations  
 APPROVED

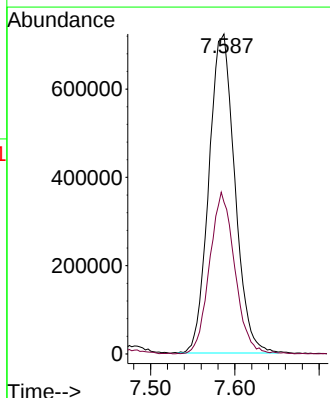
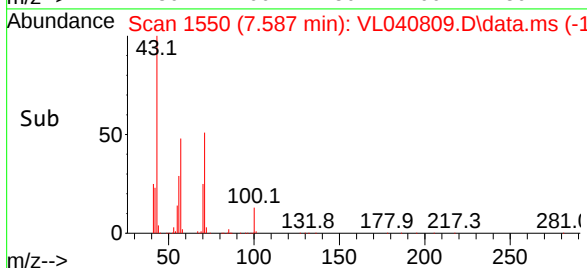
Reviewed By :Semsettin Yesilyurt 11/11/2023  
 Supervised By :Mahesh Dadoda 11/13/2023

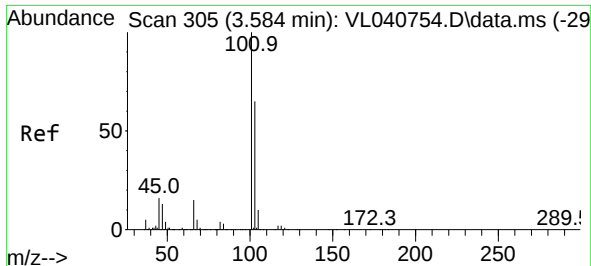


#10  
 Heptane  
 Concen: 10.122 ppbv  
 RT: 7.587 min Scan# 1550  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08



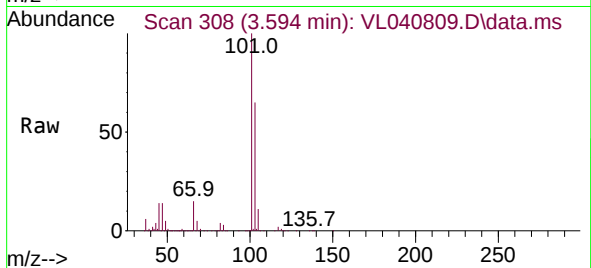
Tgt Ion: 43 Resp: 1545528  
 Ion Ratio Lower Upper  
 43 100  
 57 49.5 40.0 60.0





#11  
Trichlorofluoromethane  
Concen: 11.443 ppbv  
RT: 3.594 min Scan# 305  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

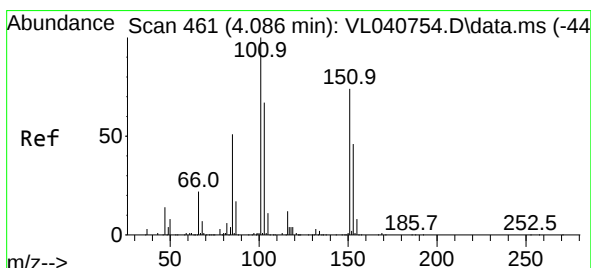
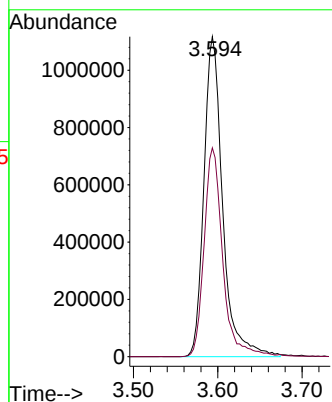
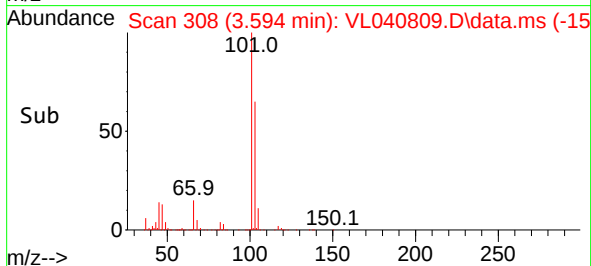
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:101 Resp: 1731670  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.2 78.2

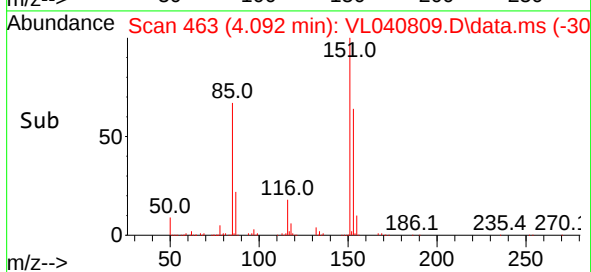
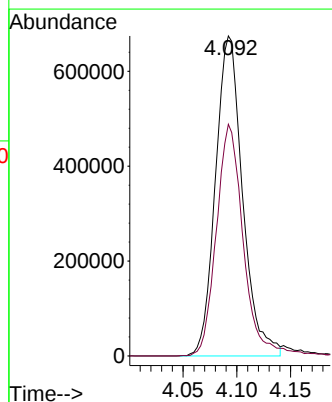
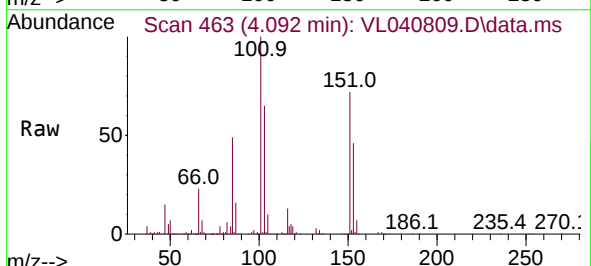
Manual Integrations  
APPROVED

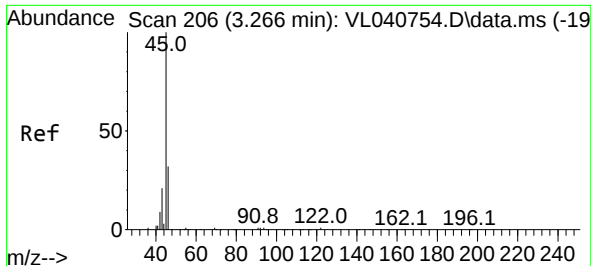
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.953 ppbv  
RT: 4.092 min Scan# 463  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

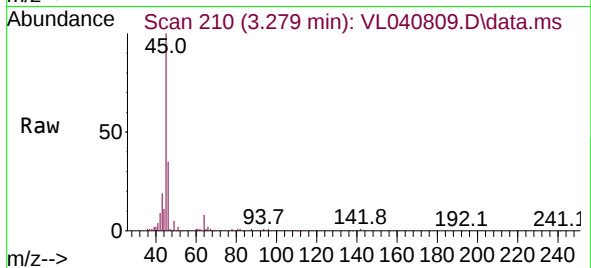
Tgt Ion:101 Resp: 1182253  
Ion Ratio Lower Upper  
101 100  
151 72.6 58.1 87.1





#13  
Ethanol  
Concen: 9.258 ppbv  
RT: 3.279 min Scan# 210  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

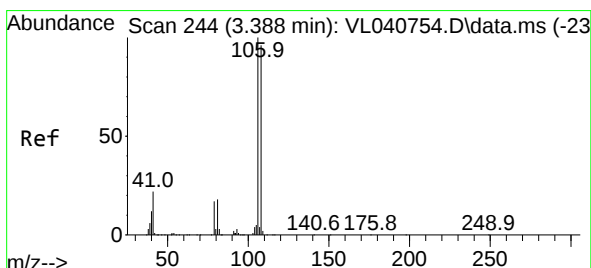
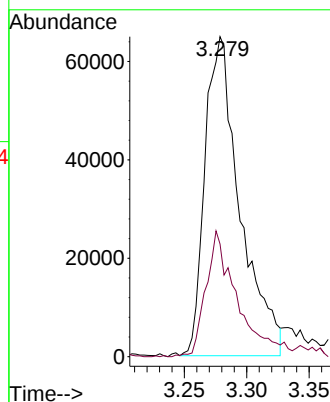
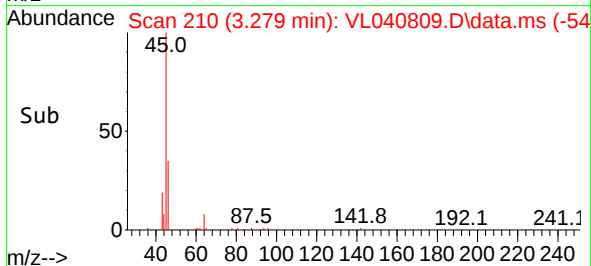
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



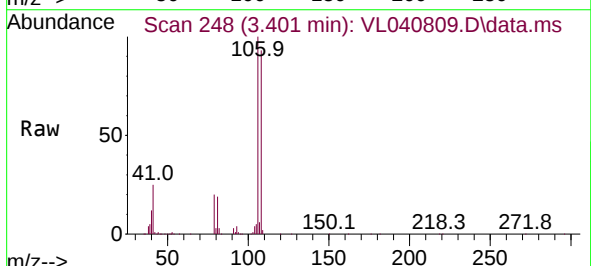
Tgt Ion: 45 Resp: 12702  
Ion Ratio Lower Upper  
45 100  
46 37.4 14.6 58.2

Manual Integrations  
APPROVED

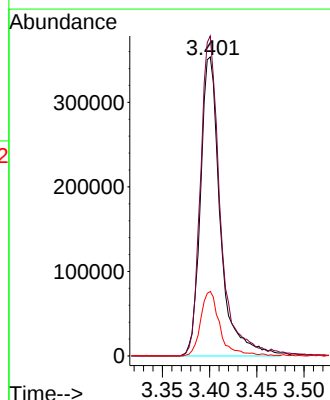
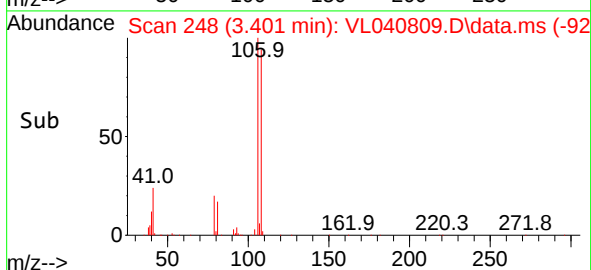
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

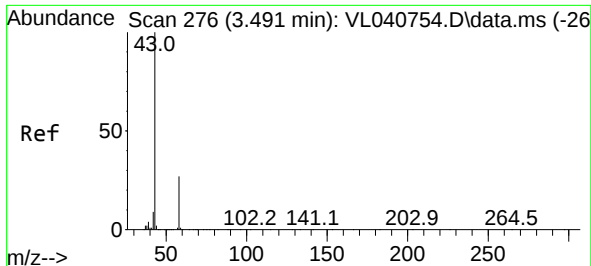


#14  
Bromoethene  
Concen: 11.200 ppbv  
RT: 3.401 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



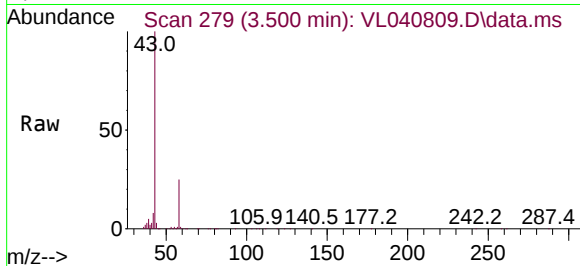
Tgt Ion:108 Resp: 517733  
Ion Ratio Lower Upper  
108 100  
106 108.5 85.2 127.8  
79 21.3 15.7 23.5





#15  
Acetone  
Concen: 10.366 ppbv  
RT: 3.500 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

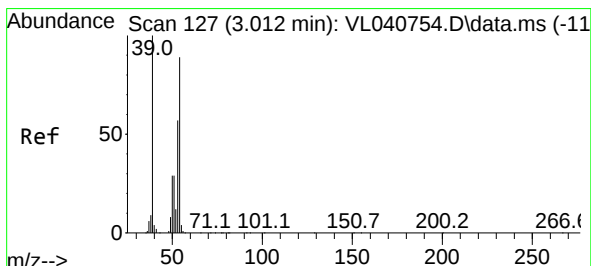
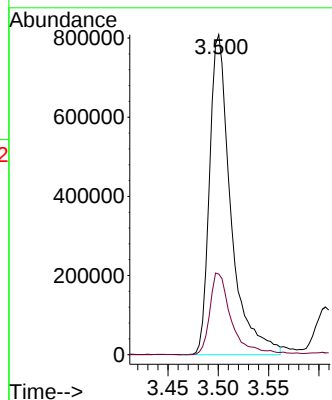
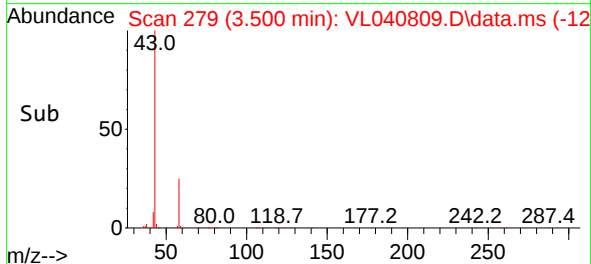
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



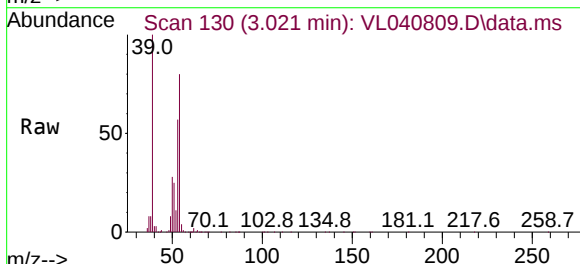
Tgt Ion: 43 Resp: 1193249  
Ion Ratio Lower Upper  
43 100  
58 26.1 21.6 32.4

Manual Integrations  
APPROVED

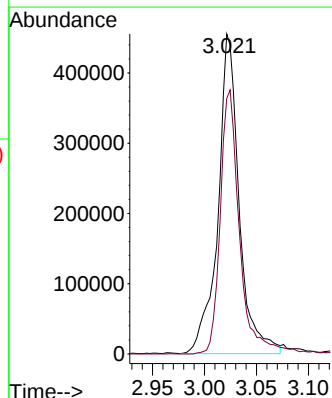
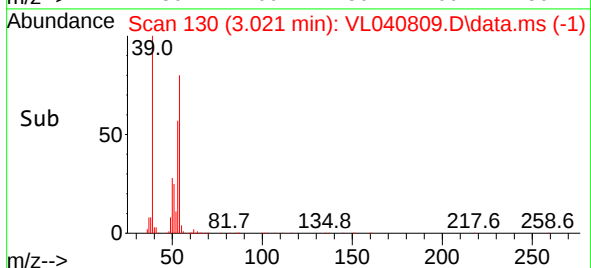
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

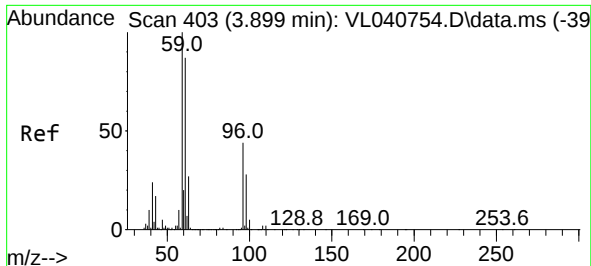


#16  
1,3-Butadiene  
Concen: 10.694 ppbv  
RT: 3.021 min Scan# 130  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion: 39 Resp: 645792  
Ion Ratio Lower Upper  
39 100  
54 76.0 63.0 94.6





#17

tert-Butyl alcohol

Concen: 8.784 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 103673

Ion Ratio Lower Upper

59 100

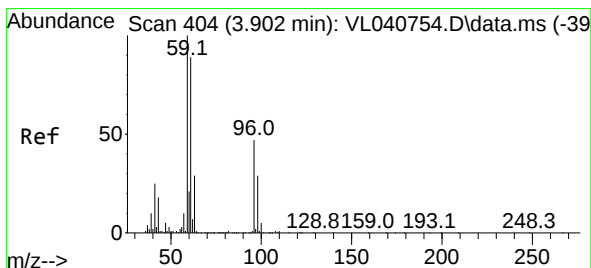
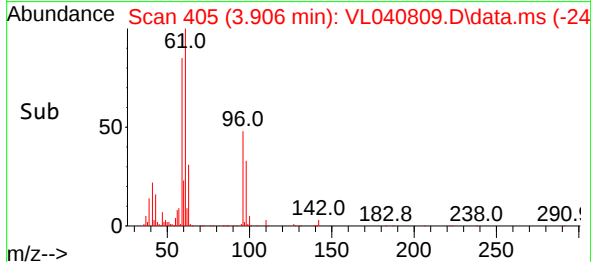
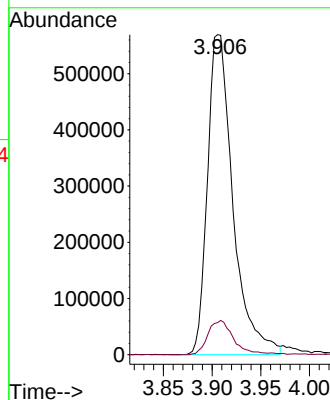
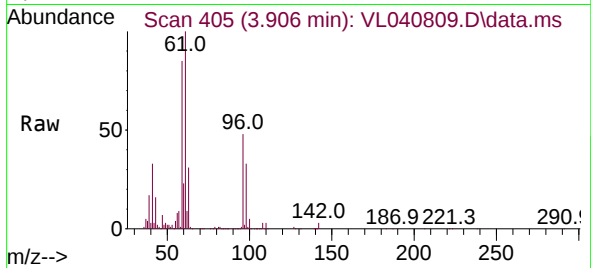
57 11.1 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#18

1,1-Dichloroethene

Concen: 10.725 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

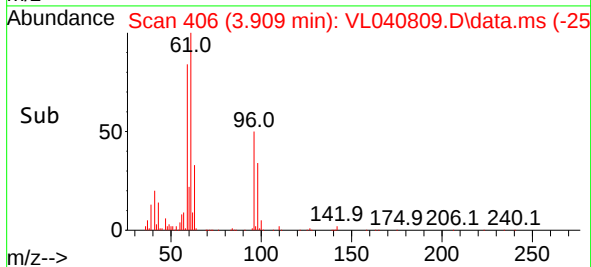
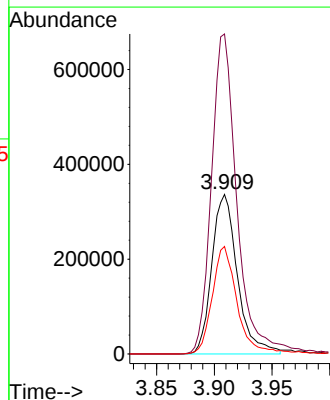
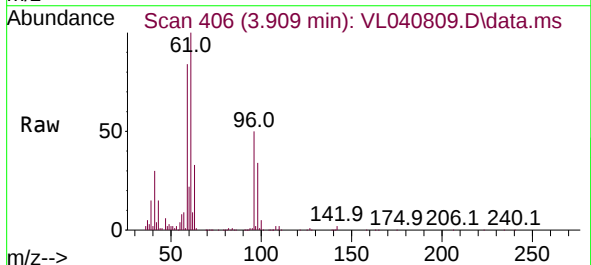
Tgt Ion: 96 Resp: 518850

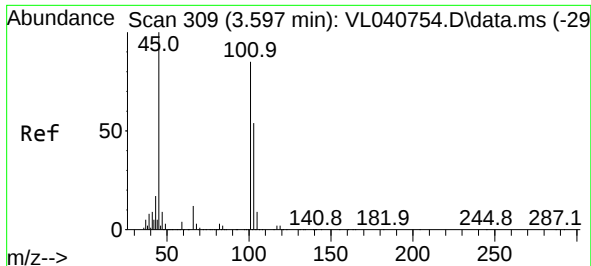
Ion Ratio Lower Upper

96 100

61 200.5 152.5 228.7

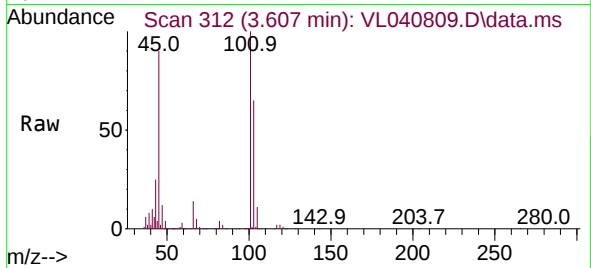
98 67.4 49.6 74.4





#19  
Isopropyl Alcohol  
Concen: 10.113 ppbv  
RT: 3.607 min Scan# 312  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

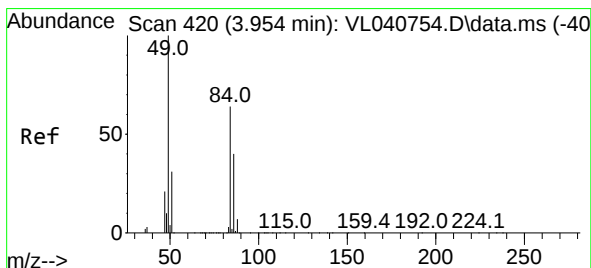
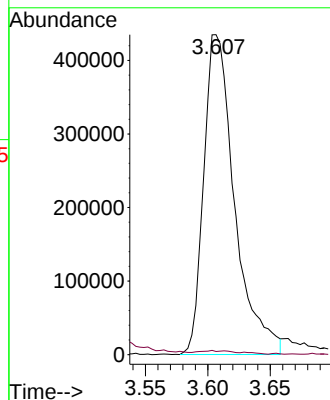
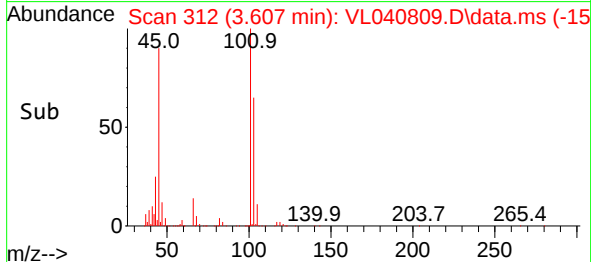
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



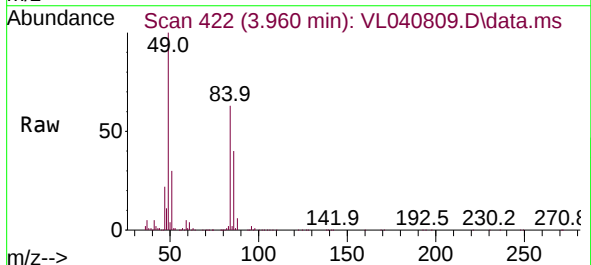
Tgt Ion: 45 Resp: 749330  
Ion Ratio Lower Upper  
45 100  
58 1.6 30.3 45.5

Manual Integrations  
APPROVED

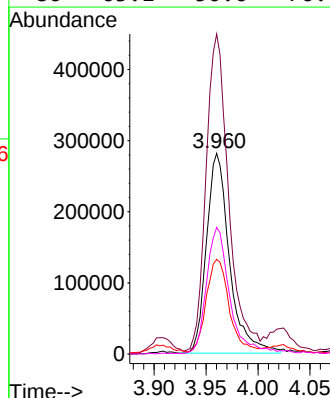
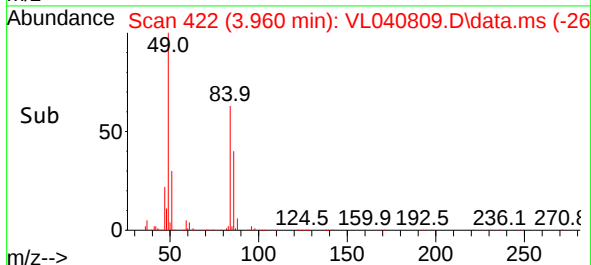
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

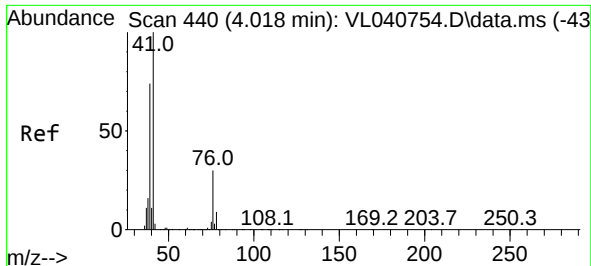


#20  
Methylene Chloride  
Concen: 9.011 ppbv  
RT: 3.960 min Scan# 422  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion: 84 Resp: 432056  
Ion Ratio Lower Upper  
84 100  
49 157.6 125.6 188.4  
51 45.2 38.9 58.3  
86 63.1 50.6 76.0





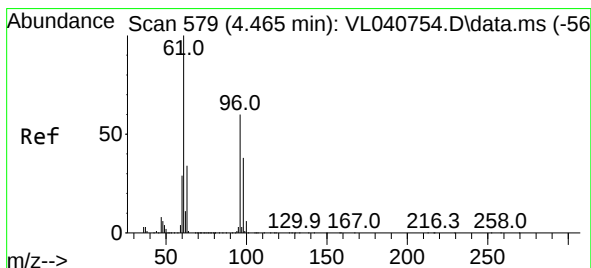
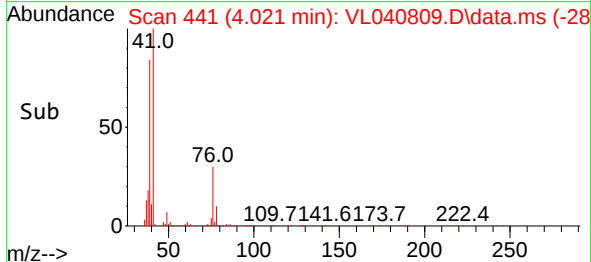
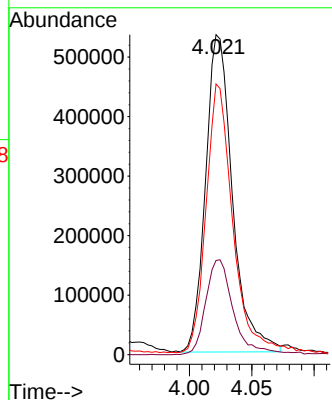
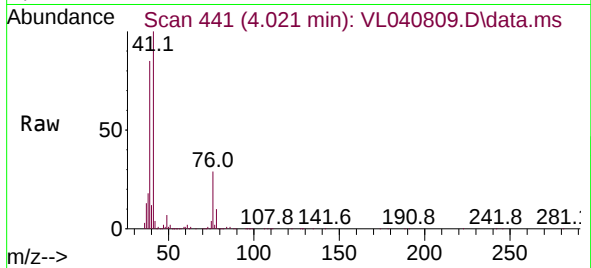
#21  
 Allyl Chloride  
 Concen: 10.580 ppbv  
 RT: 4.021 min Scan# 440  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 41 Resp: 803174  
 Ion Ratio Lower Upper  
 41 100  
 76 30.9 24.1 36.1  
 39 85.3 63.8 95.6

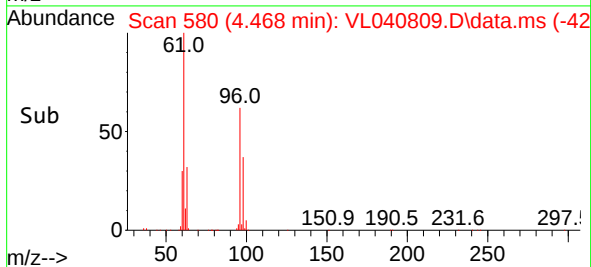
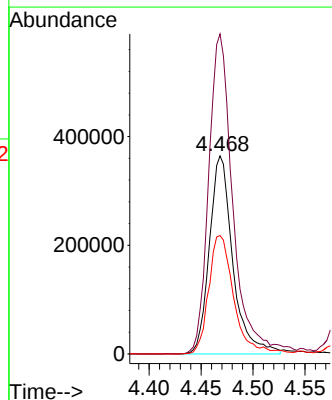
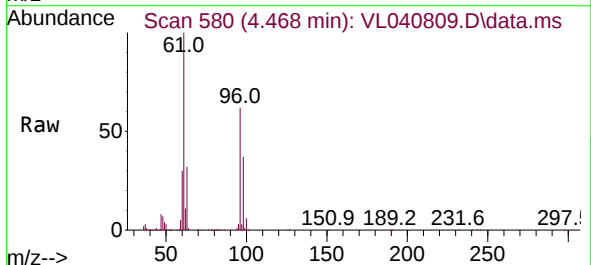
Manual Integrations  
 APPROVED

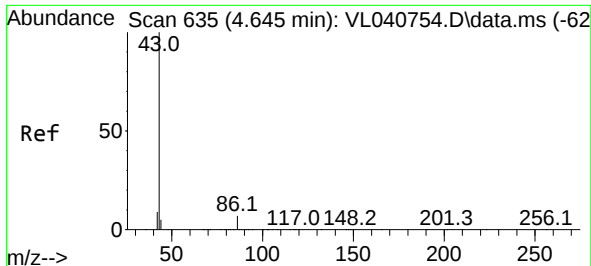
Reviewed By :Semsettin Yesilyurt 11/11/2023  
 Supervised By :Mahesh Dadoda 11/13/2023



#22  
 trans-1,2-Dichloroethene  
 Concen: 11.083 ppbv  
 RT: 4.468 min Scan# 580  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

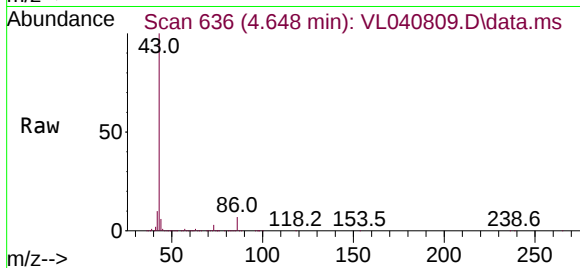
Tgt Ion: 96 Resp: 570651  
 Ion Ratio Lower Upper  
 96 100  
 61 161.5 134.0 201.0  
 98 59.8 51.0 76.4





#23  
 Vinyl Acetate  
 Concen: 11.652 ppbv  
 RT: 4.648 min Scan# 616  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

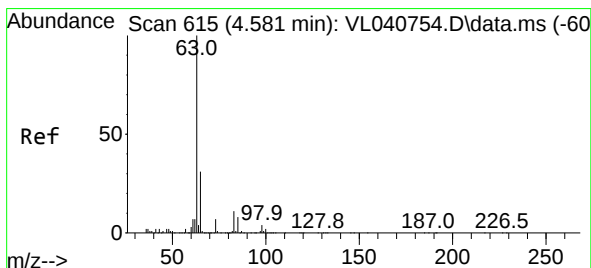
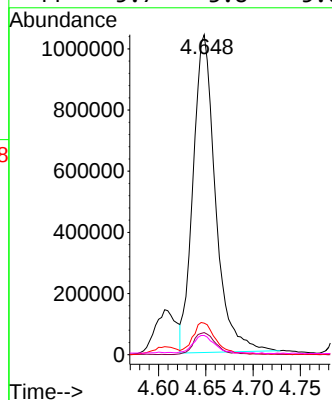
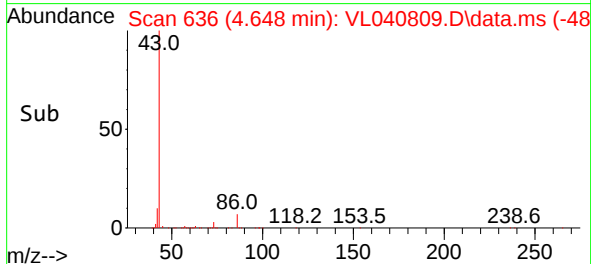
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 43 Resp: 1709288  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 4.9 7.3  
 42 9.7 7.8 11.6  
 44 5.7 3.8 5.6#

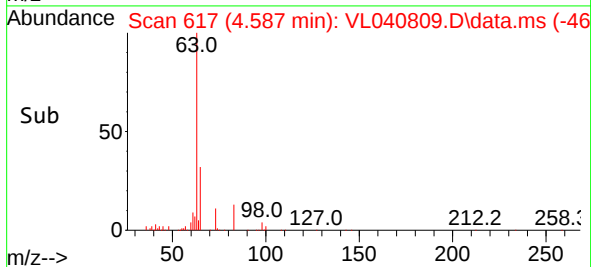
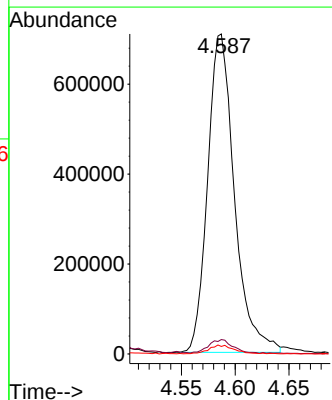
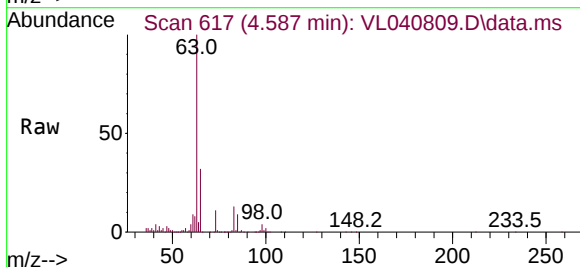
Manual Integrations  
 APPROVED

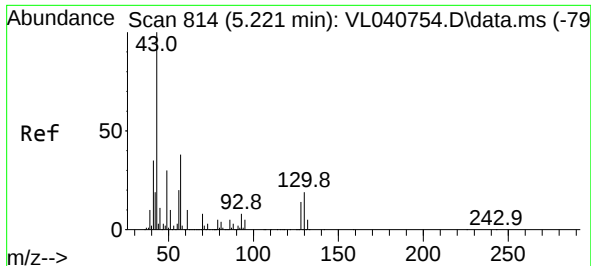
Reviewed By :Semsettin Yesilyurt 11/11/2023  
 Supervised By :Mahesh Dadoda 11/13/2023



#24  
 1,1-Dichloroethane  
 Concen: 11.106 ppbv  
 RT: 4.587 min Scan# 617  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

Tgt Ion: 63 Resp: 1228819  
 Ion Ratio Lower Upper  
 63 100  
 98 4.2 2.0 5.8  
 100 2.3 1.3 3.8





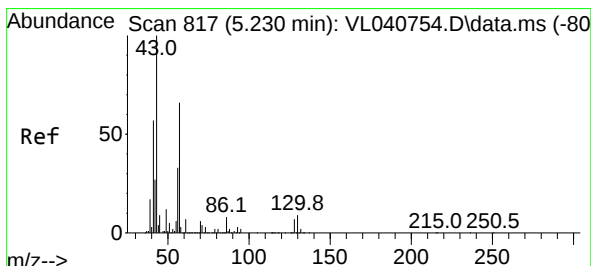
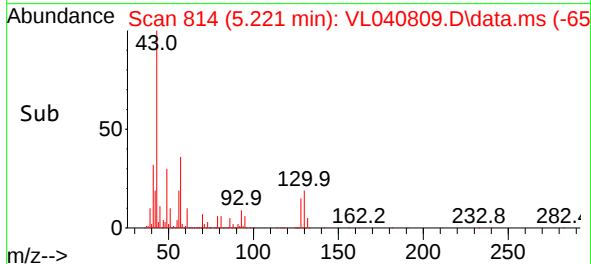
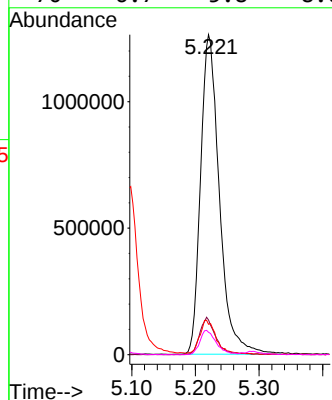
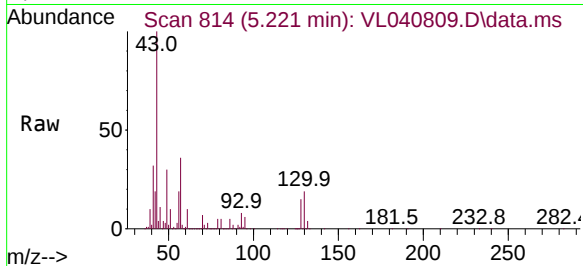
#25  
Ethyl Acetate  
Concen: 10.281 ppbv  
RT: 5.221 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 43 Resp: 2592919  
Ion Ratio Lower Upper  
43 100  
45 10.3 8.2 12.4  
61 9.8 8.2 12.2  
70 6.7 5.8 8.6

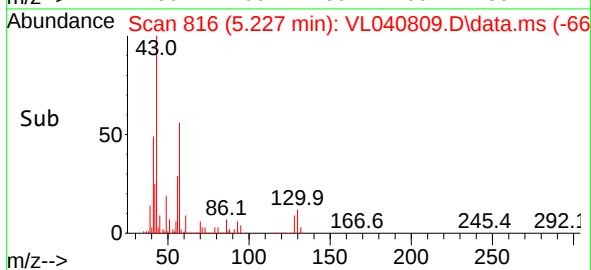
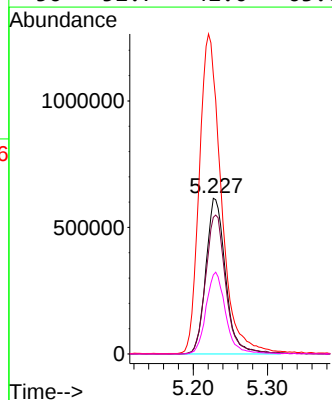
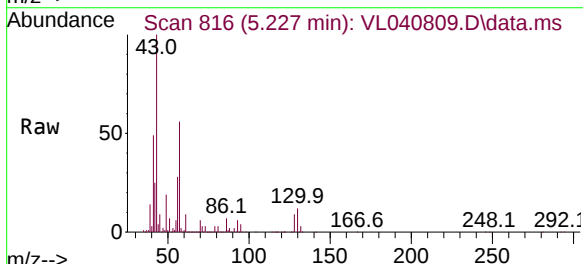
Manual Integrations  
APPROVED

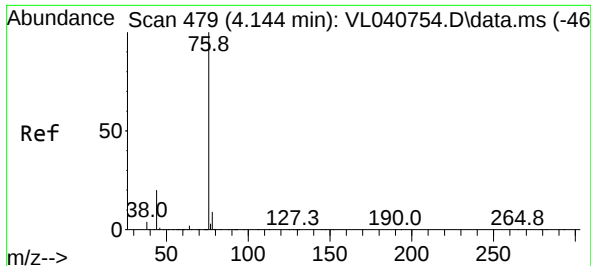
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#26  
Hexane  
Concen: 9.783 ppbv  
RT: 5.227 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

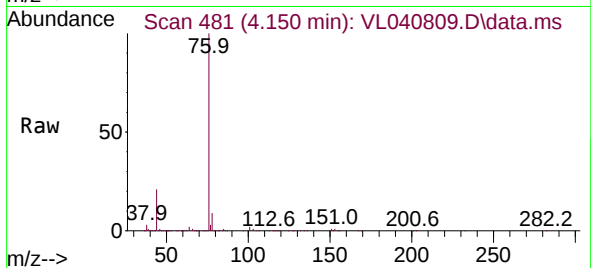
Tgt Ion: 57 Resp: 1127679  
Ion Ratio Lower Upper  
57 100  
41 92.9 71.4 107.2  
43 231.6 182.3 273.5  
56 52.7 42.0 63.0





#27  
Carbon Disulfide  
Concen: 10.958 ppbv  
RT: 4.150 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

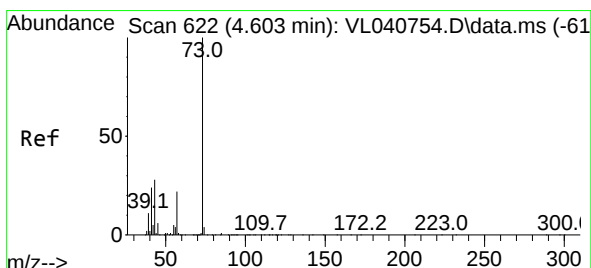
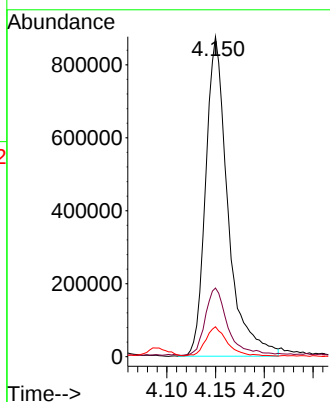
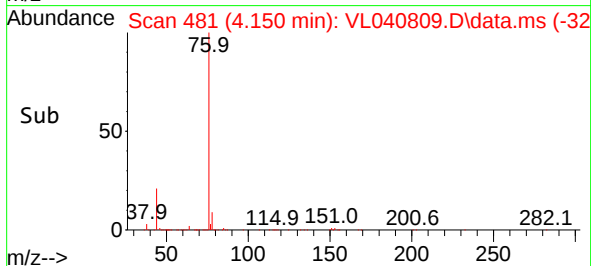
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



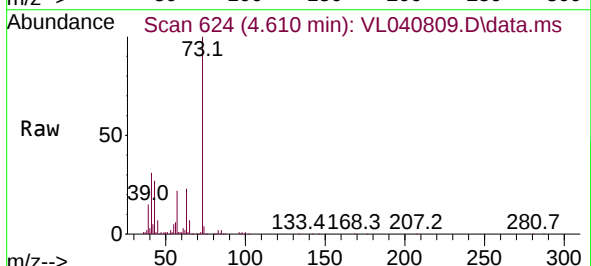
Tgt Ion: 76 Resp: 139370  
Ion Ratio Lower Upper  
76 100  
44 22.2 16.6 25.0  
78 10.0 7.8 11.6

Manual Integrations  
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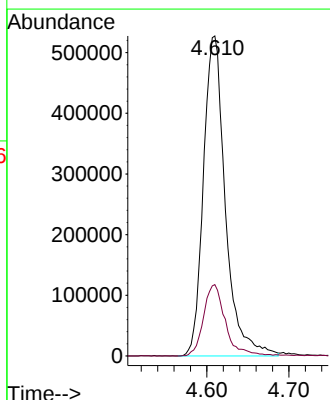
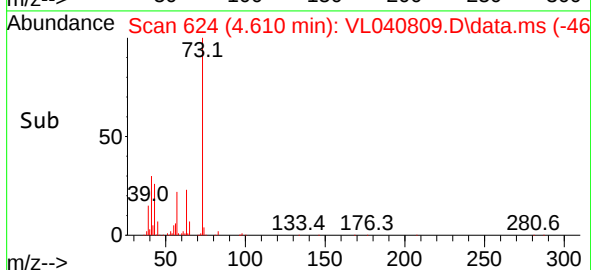
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

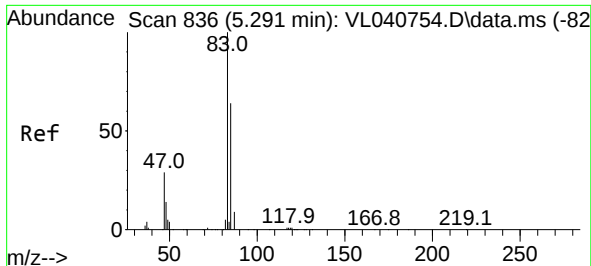


#28  
Methyl tert-Butyl Ether  
Concen: 10.951 ppbv  
RT: 4.610 min Scan# 624  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion: 73 Resp: 981595  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.9 28.3





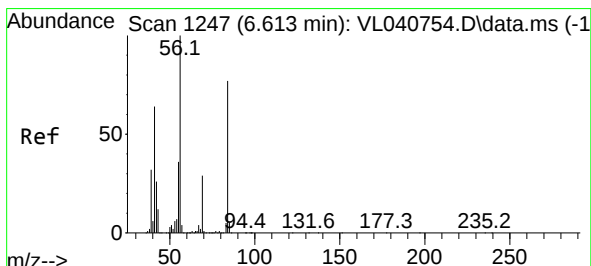
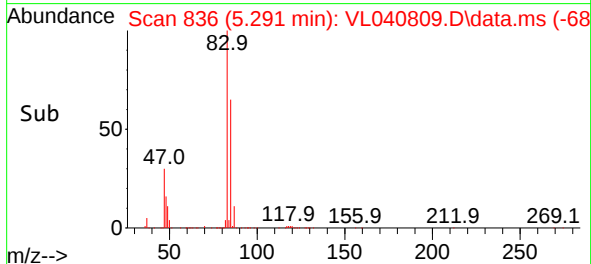
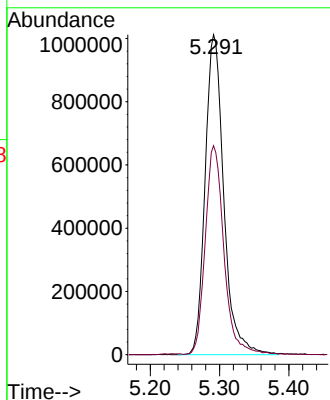
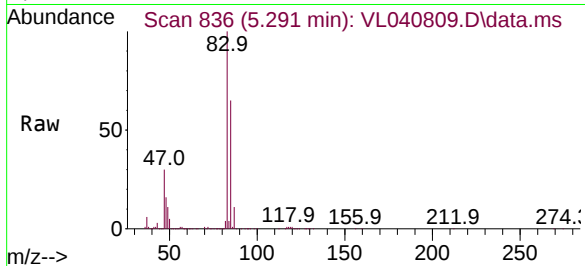
#29  
Chloroform  
Concen: 11.308 ppbv  
RT: 5.291 min Scan# 836  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 83 Resp: 1886040  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.3 76.9

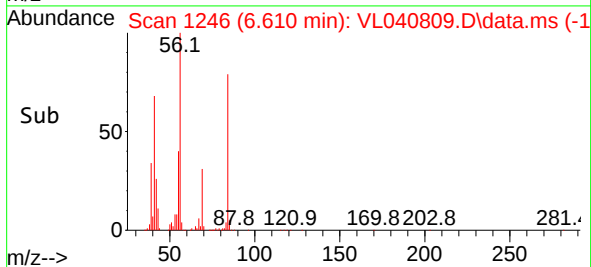
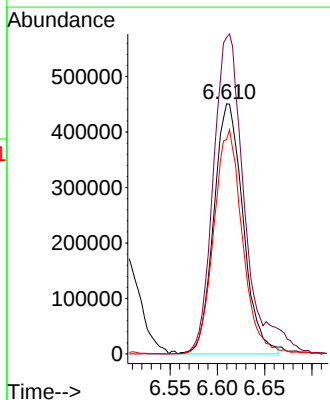
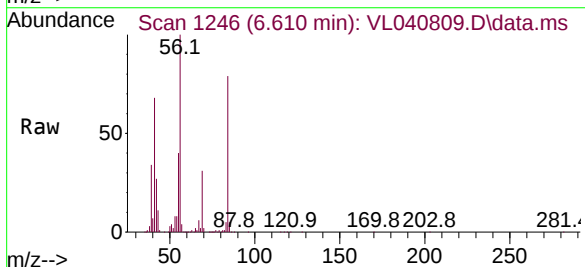
Manual Integrations  
APPROVED

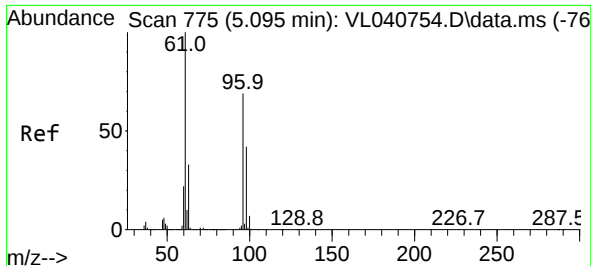
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#30  
Cyclohexane  
Concen: 9.901 ppbv  
RT: 6.610 min Scan# 1246  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

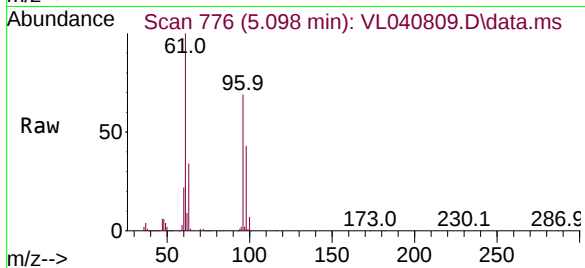
Tgt Ion: 84 Resp: 971212  
Ion Ratio Lower Upper  
84 100  
56 136.6 110.3 165.5  
41 87.7 67.4 101.2





#31  
cis-1,2-Dichloroethene  
Concen: 11.110 ppbv  
RT: 5.098 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

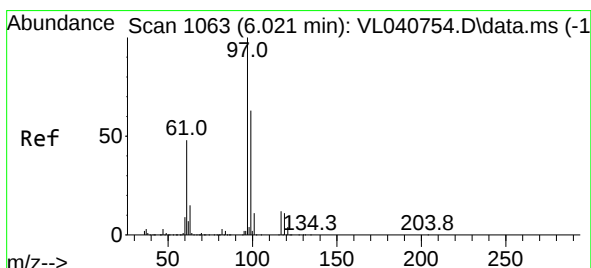
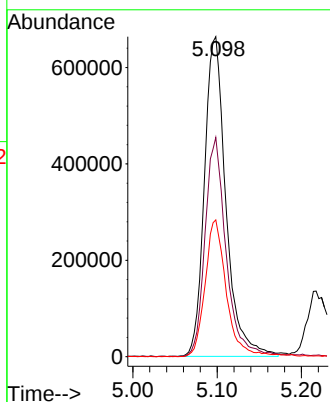
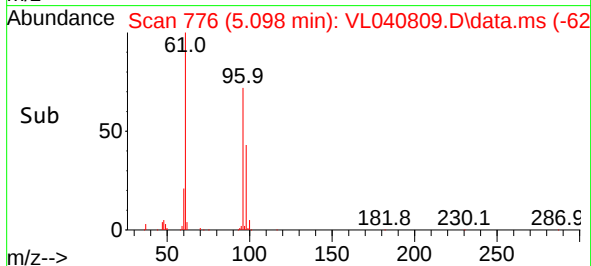
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 61 Resp: 1180138  
Ion Ratio Lower Upper  
61 100  
96 68.5 55.1 82.7  
98 42.8 33.5 50.3

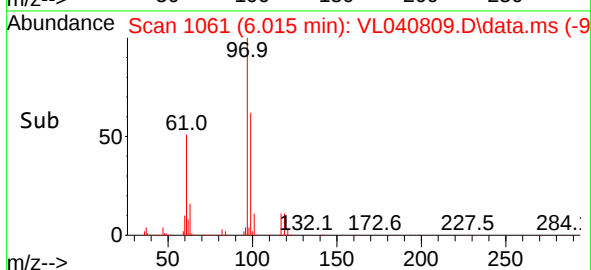
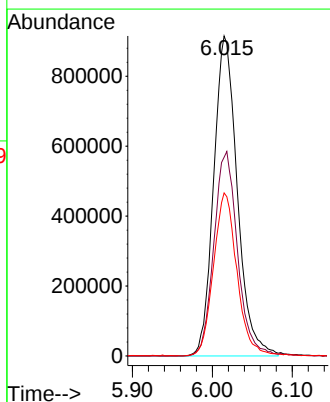
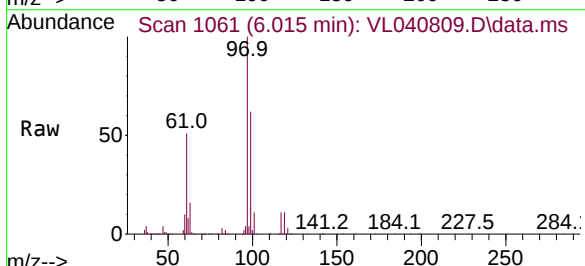
Manual Integrations  
APPROVED

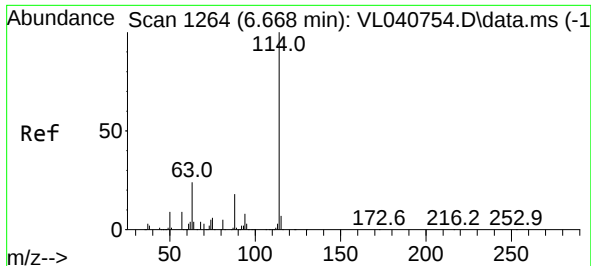
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#32  
1,1,1-Trichloroethane  
Concen: 10.574 ppbv  
RT: 6.015 min Scan# 1061  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion: 97 Resp: 1876999  
Ion Ratio Lower Upper  
97 100  
99 64.3 51.8 77.6  
61 50.5 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 279578

Ion Ratio Lower Upper

114 100

63 26.0 19.8 29.6

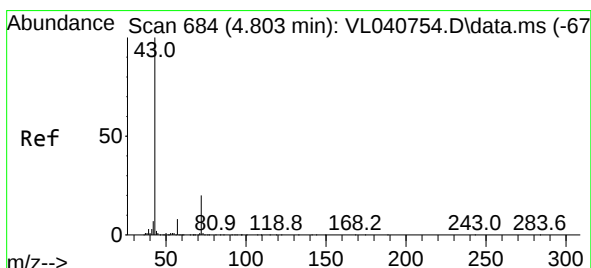
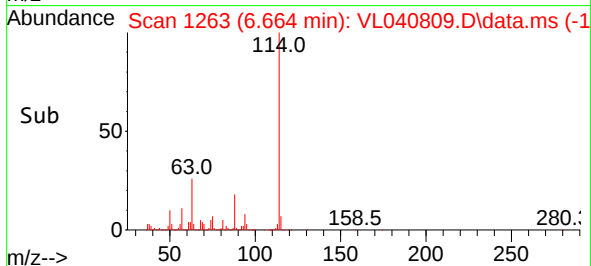
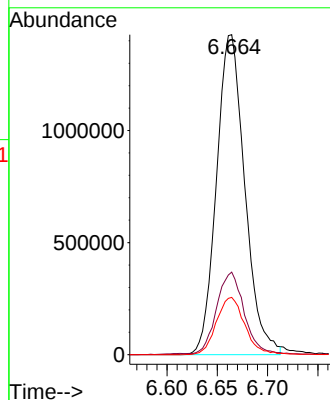
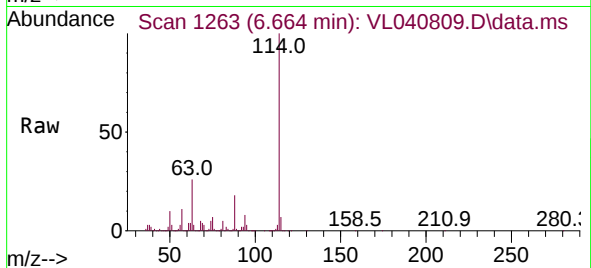
88 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#34

2-Butanone

Concen: 12.842 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.000 min

Lab File: VL040809.D

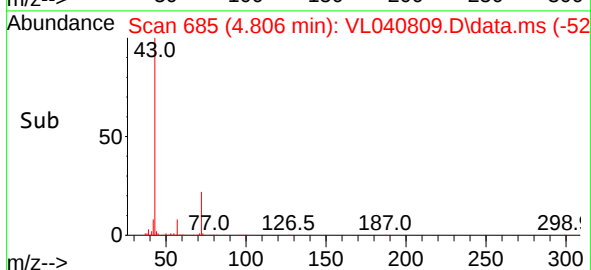
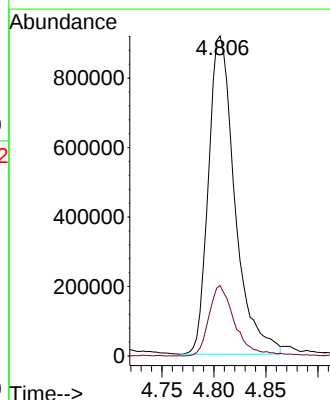
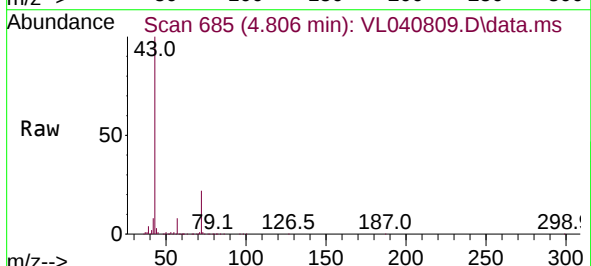
Acq: 8 Nov 2023 13:08

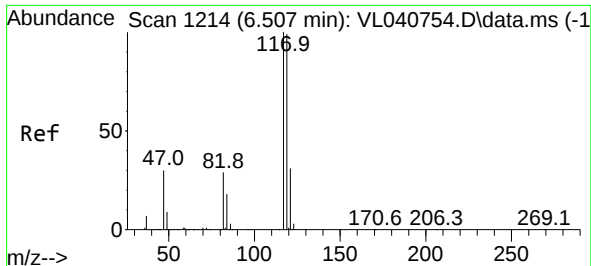
Tgt Ion: 43 Resp: 1625122

Ion Ratio Lower Upper

43 100

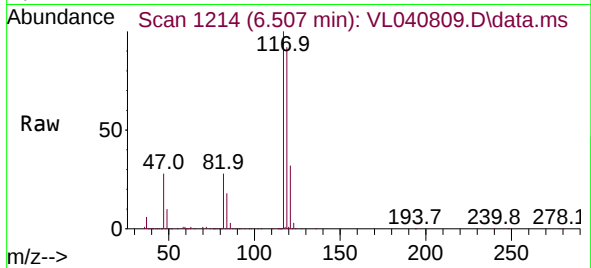
72 22.2 16.8 25.2





#35  
Carbon Tetrachloride  
Concen: 12.775 ppbv  
RT: 6.507 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

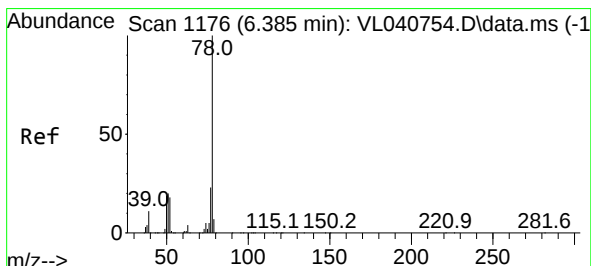
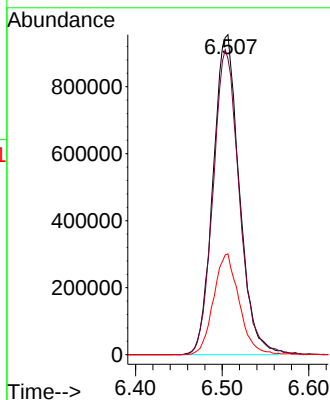
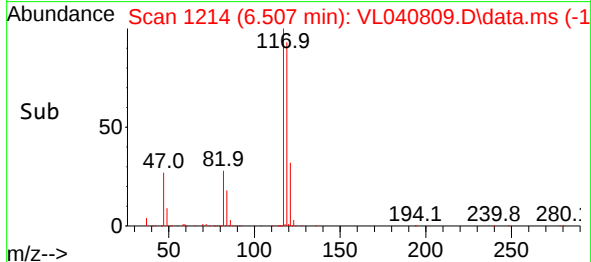
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:117 Resp: 2004735  
Ion Ratio Lower Upper  
117 100  
119 92.5 79.4 119.0  
121 31.5 25.0 37.4

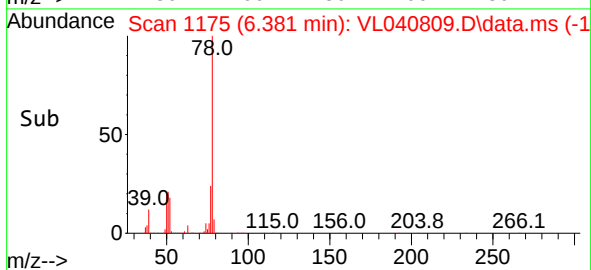
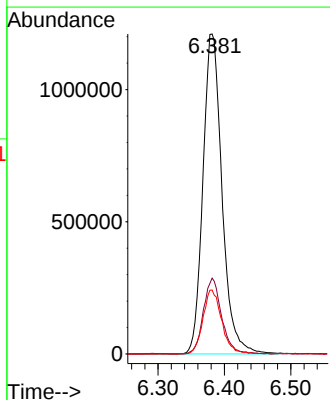
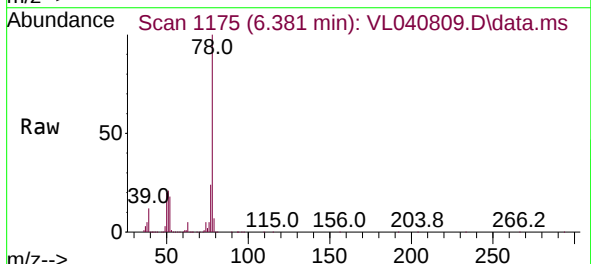
Manual Integrations  
APPROVED

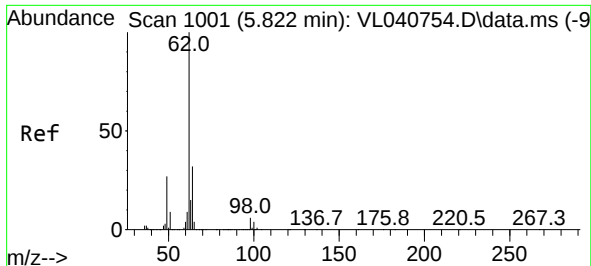
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#36  
Benzene  
Concen: 11.277 ppbv  
RT: 6.381 min Scan# 1175  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

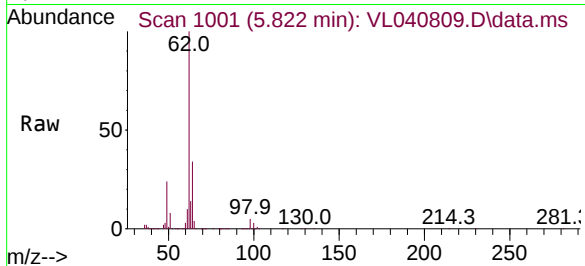
Tgt Ion: 78 Resp: 2425157  
Ion Ratio Lower Upper  
78 100  
77 23.7 18.4 27.6  
50 20.0 15.0 22.4





#37  
1,2-Dichloroethane  
Concen: 12.890 ppbv m  
RT: 5.822 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

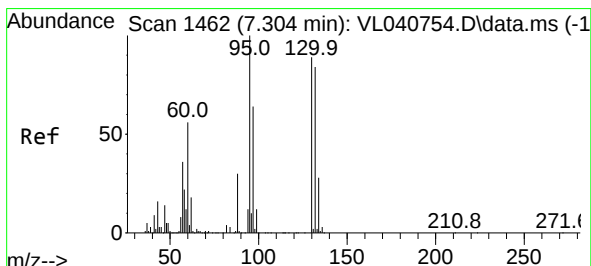
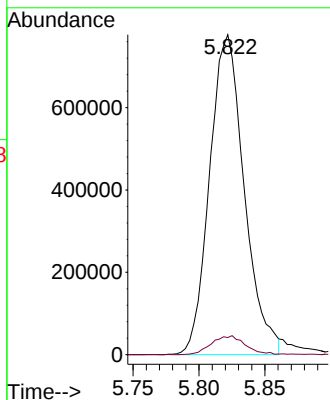
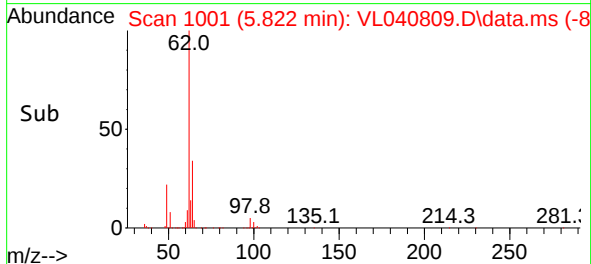
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



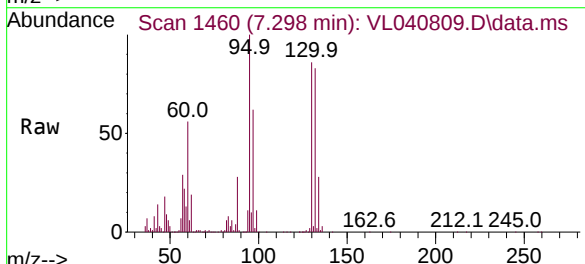
Tgt Ion: 62 Resp: 141964  
Ion Ratio Lower Upper  
62 100  
98 6.1 5.4 8.0

Manual Integrations  
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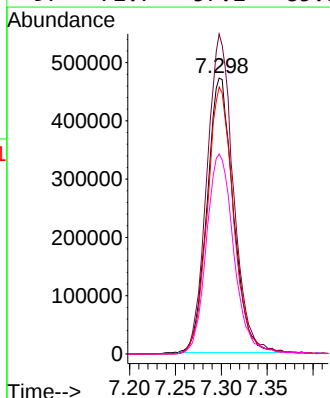
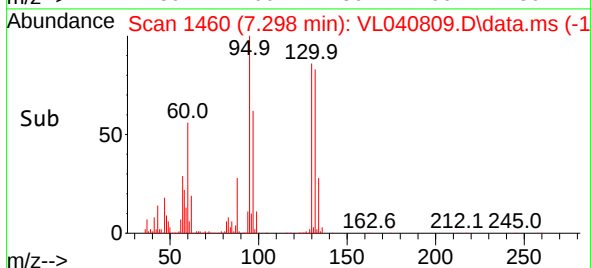
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

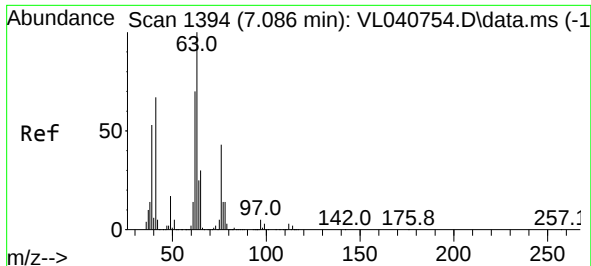


#38  
Trichloroethene  
Concen: 9.826 ppbv  
RT: 7.298 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion:130 Resp: 935098  
Ion Ratio Lower Upper  
130 100  
95 116.4 89.4 134.2  
132 97.2 74.8 112.2  
97 72.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 11.253 ppbv

RT: 7.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 945400

Ion Ratio Lower Upper

63 100

41 74.3 53.7 80.5

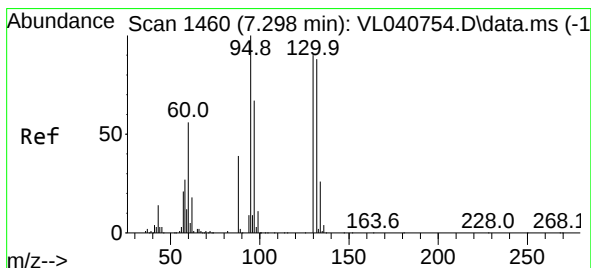
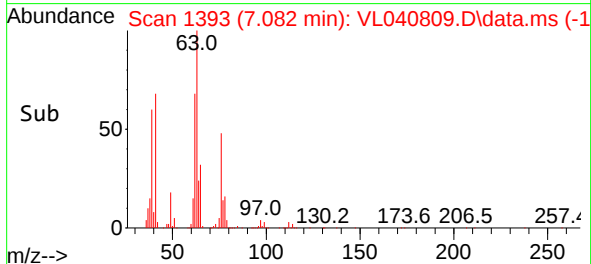
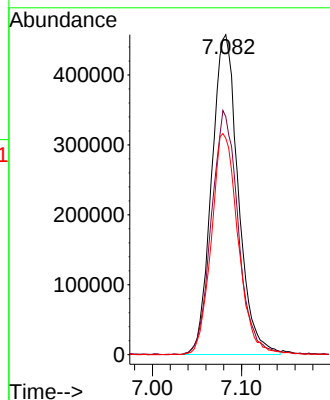
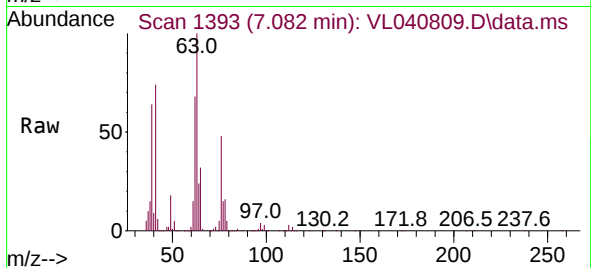
62 67.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#40

1,4-Dioxane

Concen: 12.160 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Tgt Ion: 88 Resp: 386611

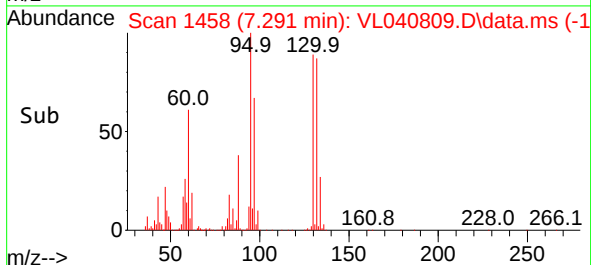
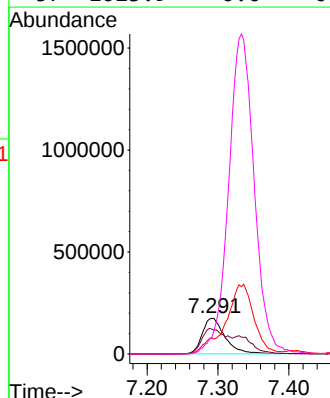
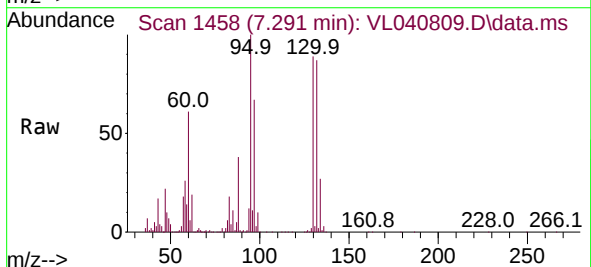
Ion Ratio Lower Upper

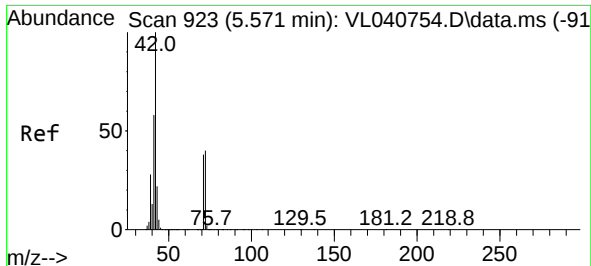
88 100

58 119.7 100.0 150.0

43 249.1 0.0 0.0#

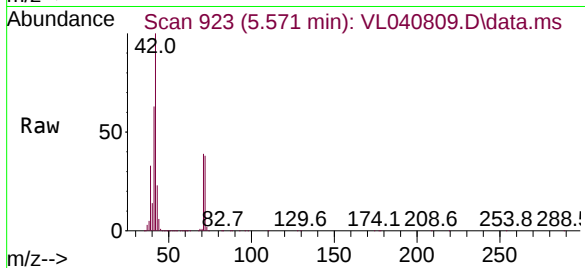
57 1023.9 0.0 0.0#





#41  
Tetrahydrofuran  
Concen: 11.448 ppbv  
RT: 5.571 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

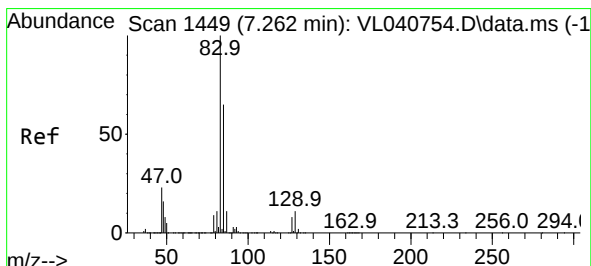
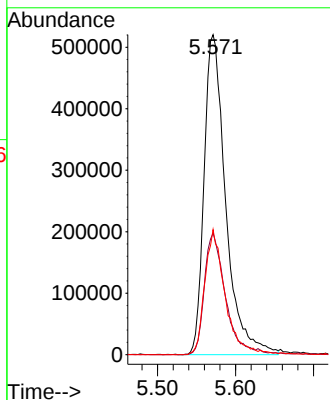
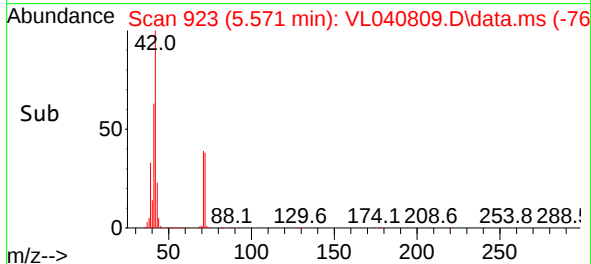
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



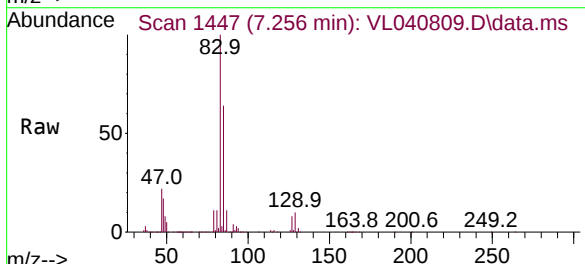
Tgt Ion: 42 Resp: 1003268  
Ion Ratio Lower Upper  
42 100  
72 37.5 31.1 46.7  
71 37.2 29.7 44.5

Manual Integrations  
APPROVED

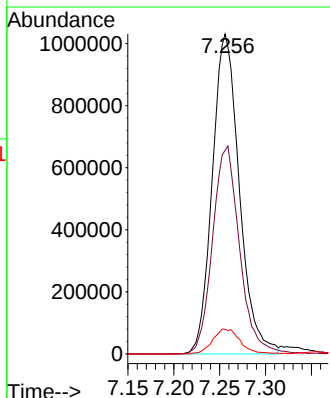
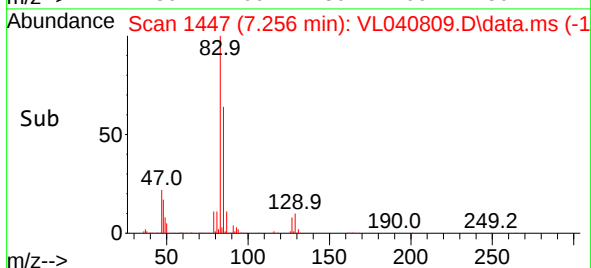
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

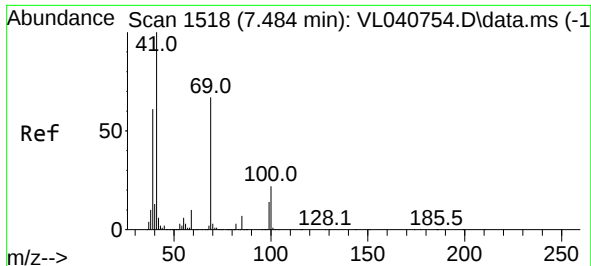


#42  
Bromodichloromethane  
Concen: 12.809 ppbv  
RT: 7.256 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion: 83 Resp: 2113288  
Ion Ratio Lower Upper  
83 100  
85 63.6 52.1 78.1  
127 7.7 6.7 10.1





#43

Methyl Methacrylate

Concen: 11.668 ppbv

RT: 7.481 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 69 Resp: 100437

Ion Ratio Lower Upper

69 100

41 151.5 120.6 181.0

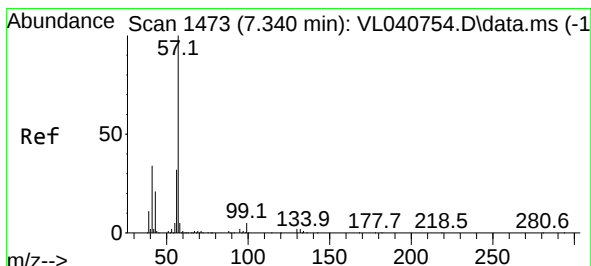
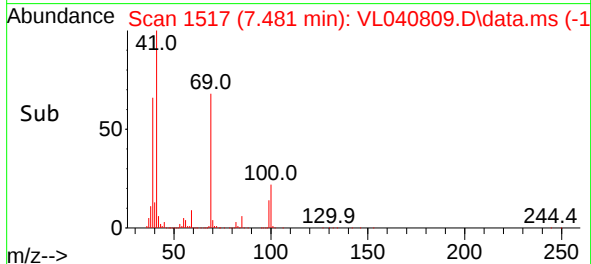
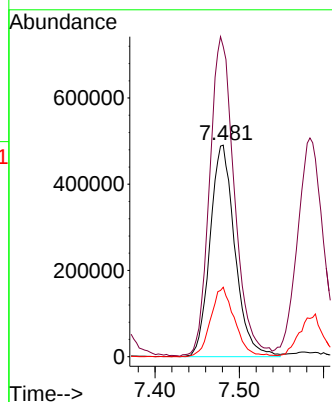
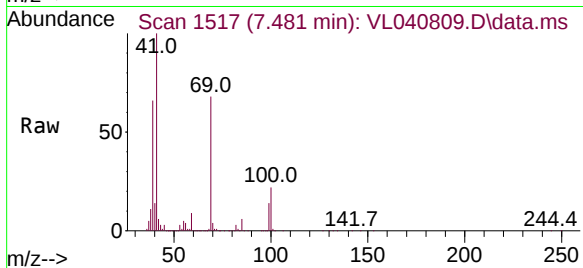
100 31.6 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#44

2,2,4-Trimethylpentane

Concen: 10.852 ppbv

RT: 7.333 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

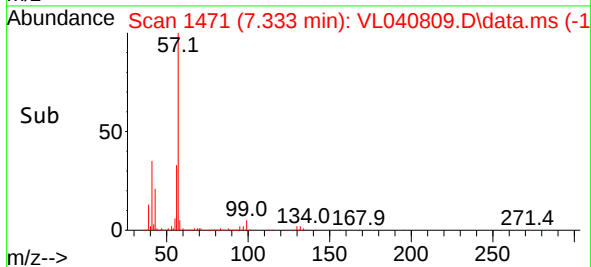
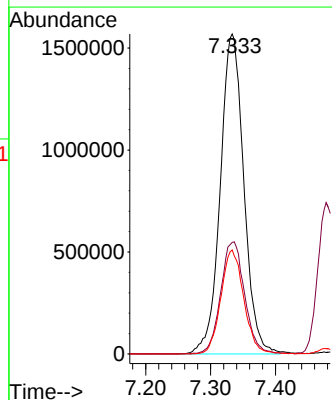
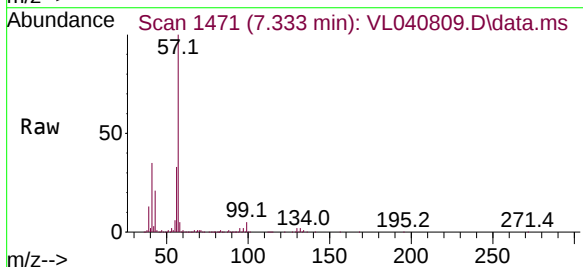
Tgt Ion: 57 Resp: 3946269

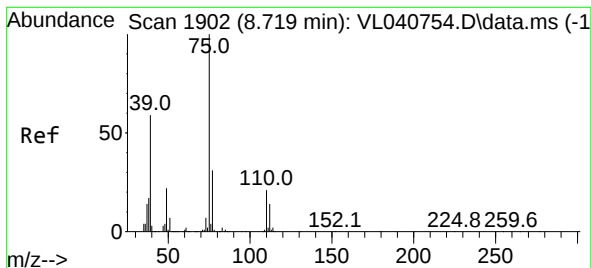
Ion Ratio Lower Upper

57 100

41 35.6 27.4 41.0

56 31.6 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 12.997 ppbv

RT: 8.716 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 75 Resp: 89216

Ion Ratio Lower Upper

75 100

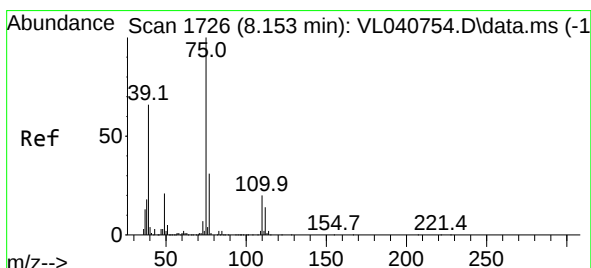
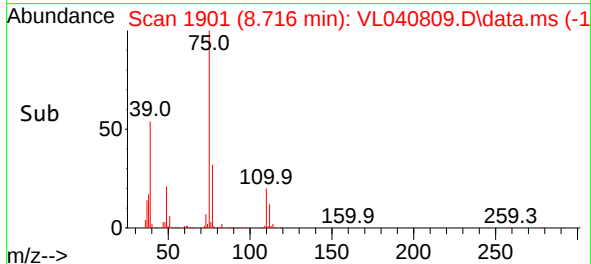
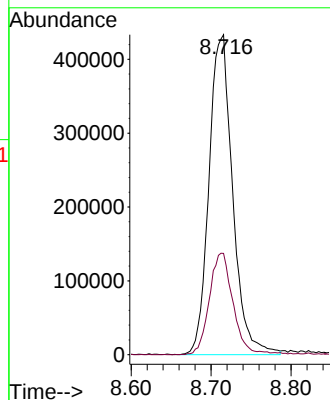
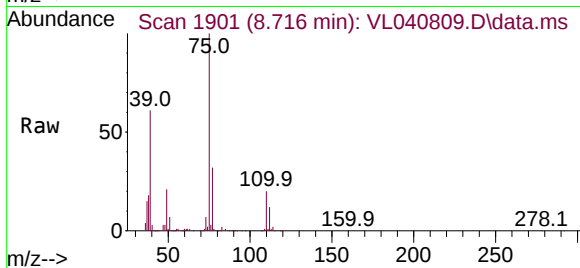
77 31.6 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#46

cis-1,3-Dichloropropene

Concen: 12.453 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

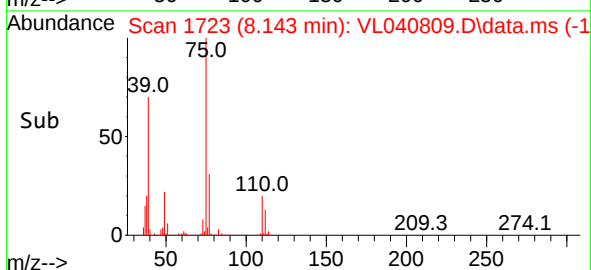
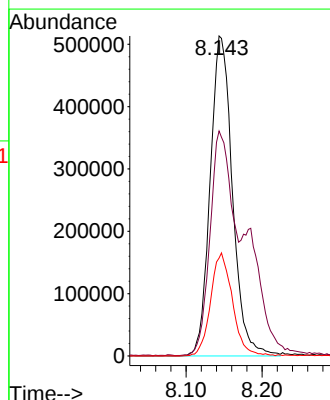
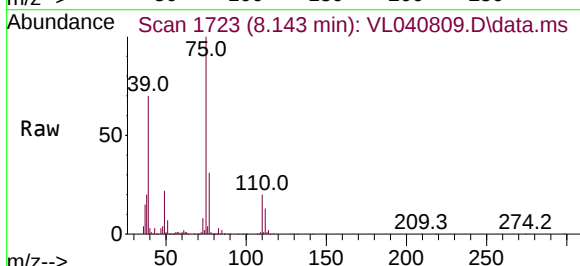
Tgt Ion: 75 Resp: 1044316

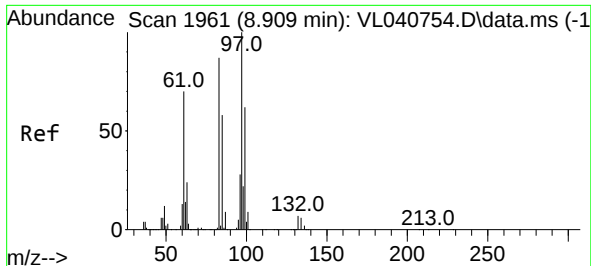
Ion Ratio Lower Upper

75 100

39 70.1 52.4 78.6

77 30.6 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 11.572 ppbv

RT: 8.899 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 102126

Ion Ratio Lower Upper

97 100

83 88.5 69.5 104.3

85 57.6 46.6 69.8

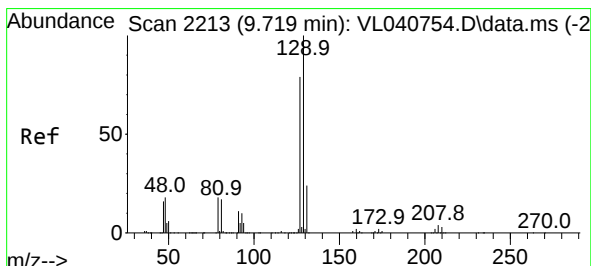
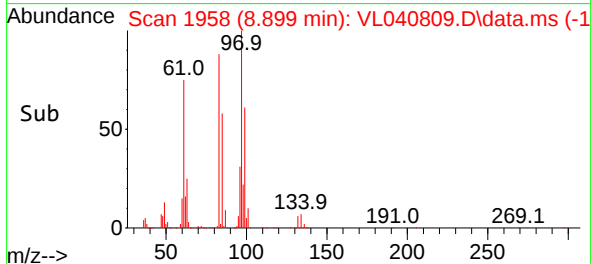
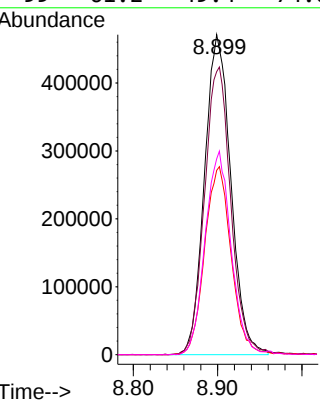
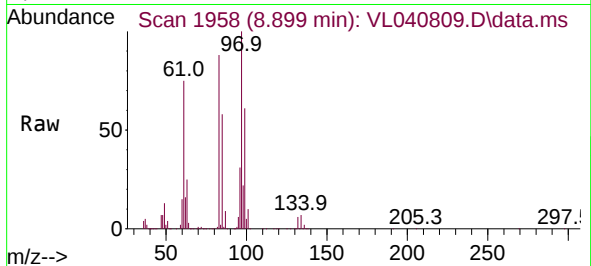
99 61.2 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#48

Dibromochloromethane

Concen: 12.302 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VL040809.D

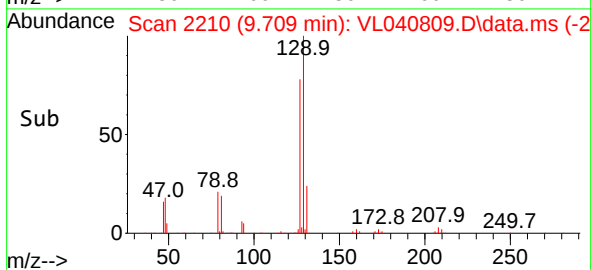
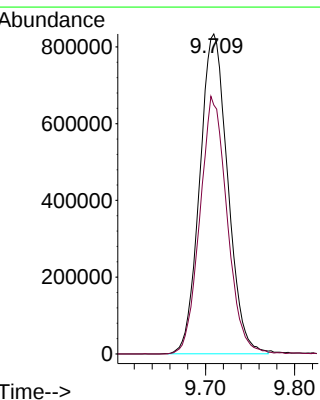
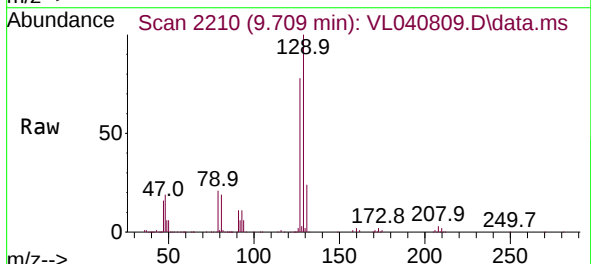
Acq: 8 Nov 2023 13:08

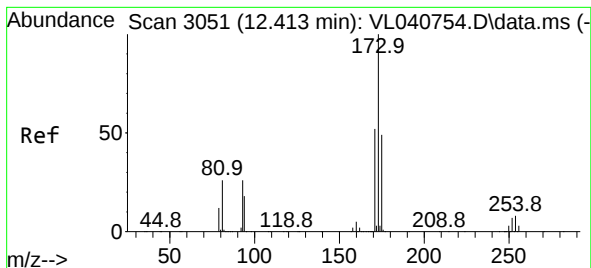
Tgt Ion:129 Resp: 1819482

Ion Ratio Lower Upper

129 100

127 78.4 39.1 117.3





#49

Bromoform

Concen: 12.206 ppbv

RT: 12.400 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 146740

Ion Ratio Lower Upper

173 100

175 48.8 39.2 58.8

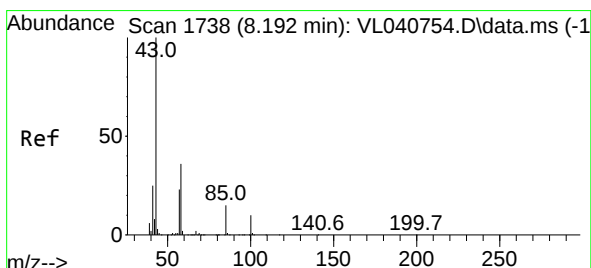
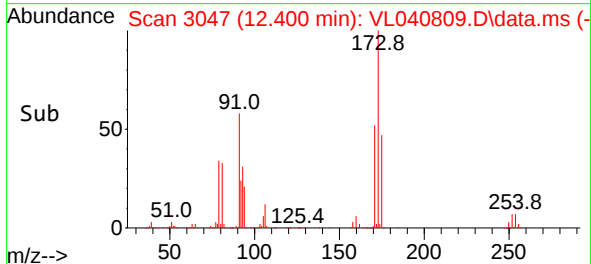
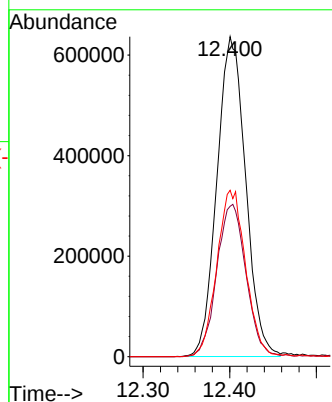
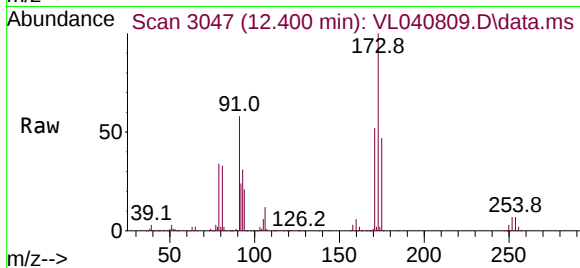
171 52.6 42.0 63.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#50

4-Methyl-2-Pentanone

Concen: 11.708 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.000 min

Lab File: VL040809.D

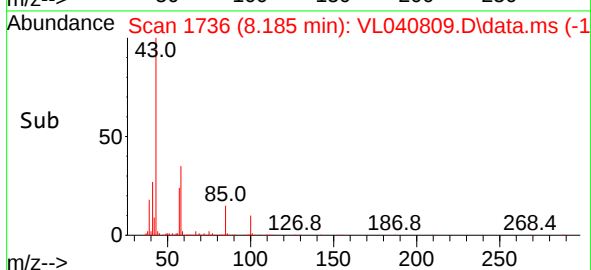
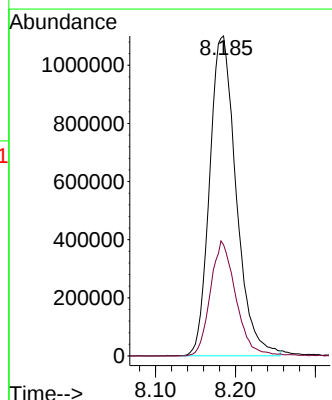
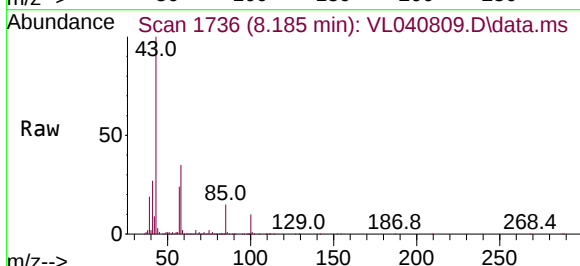
Acq: 8 Nov 2023 13:08

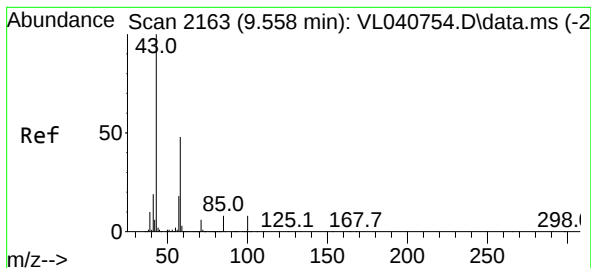
Tgt Ion: 43 Resp: 2534657

Ion Ratio Lower Upper

43 100

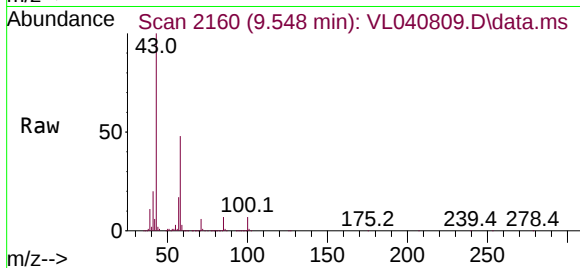
58 34.7 28.8 43.2





#51  
2-Hexanone  
Concen: 11.613 ppbv  
RT: 9.548 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

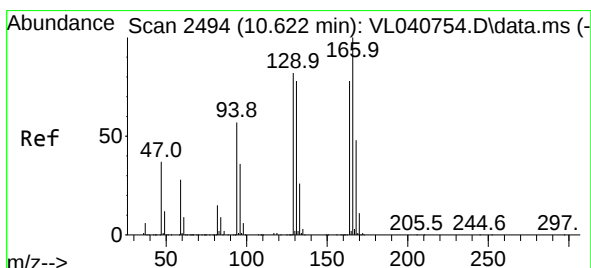
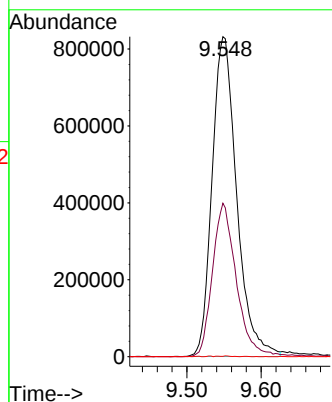
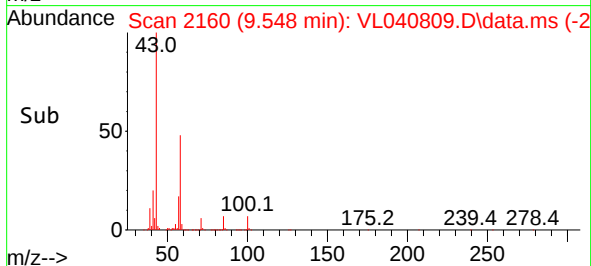
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 191334  
Ion Ratio Lower Upper  
43 100  
58 47.0 38.6 58.0  
98 0.2 0.0 0.0

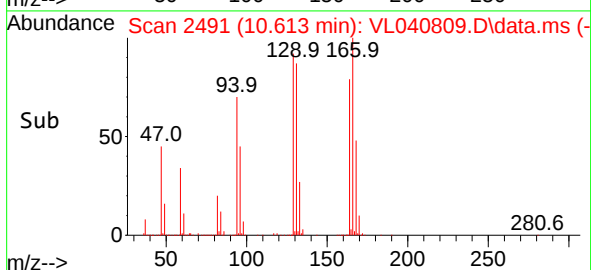
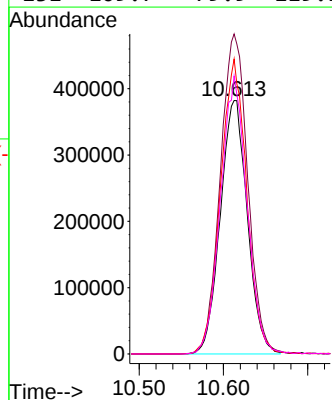
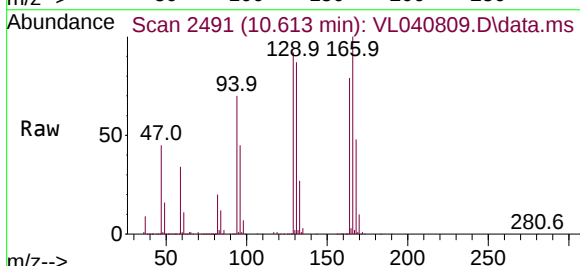
Manual Integrations  
APPROVED

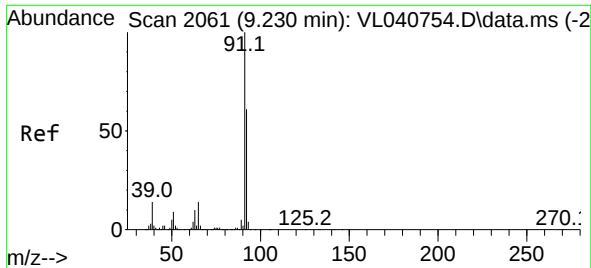
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#52  
Tetrachloroethene  
Concen: 9.722 ppbv  
RT: 10.613 min Scan# 2491  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

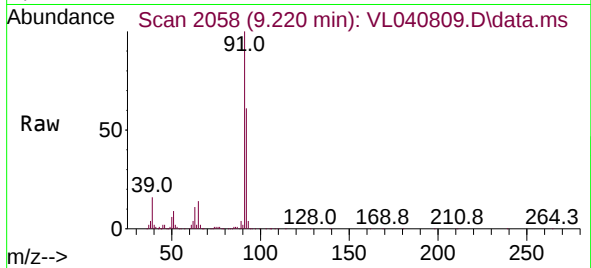
Tgt Ion:164 Resp: 849190  
Ion Ratio Lower Upper  
164 100  
166 126.3 102.4 153.6  
129 116.4 84.2 126.4  
131 109.7 79.9 119.9





#53  
Toluene  
Concen: 10.948 ppbv  
RT: 9.220 min Scan# 2061  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

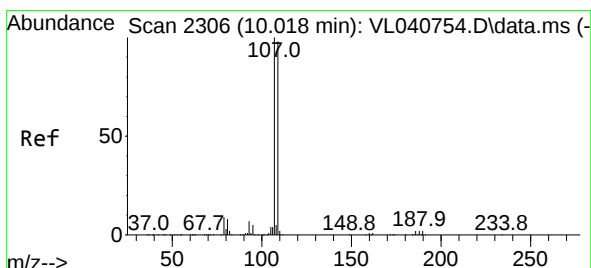
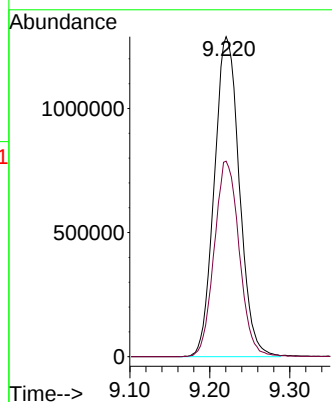
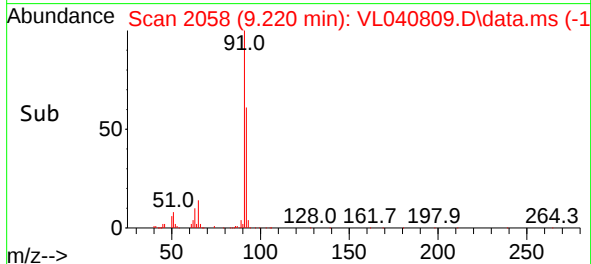
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



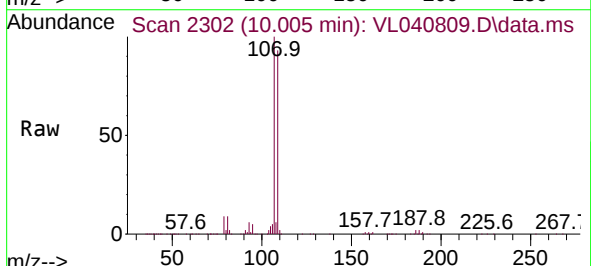
Tgt Ion: 91 Resp: 2801830  
Ion Ratio Lower Upper  
91 100  
92 61.1 50.2 75.2

Manual Integrations  
APPROVED

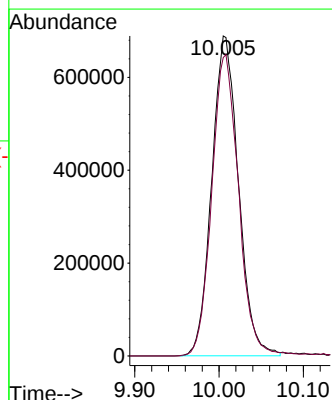
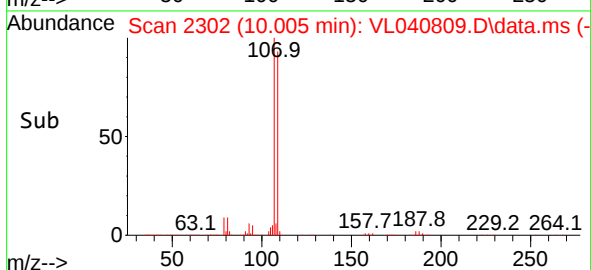
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

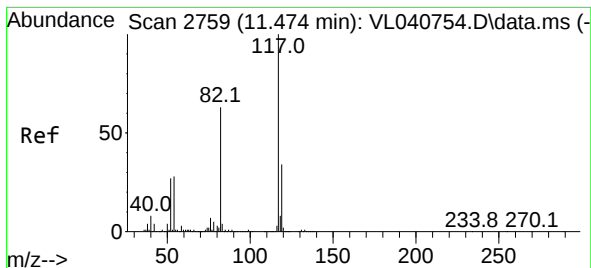


#54  
1,2-Dibromoethane  
Concen: 12.276 ppbv  
RT: 10.005 min Scan# 2302  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



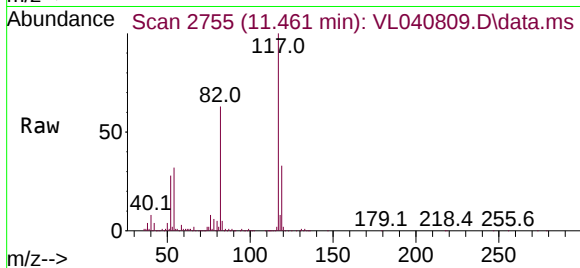
Tgt Ion:107 Resp: 1518752  
Ion Ratio Lower Upper  
107 100  
109 93.2 78.2 117.2





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.461 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

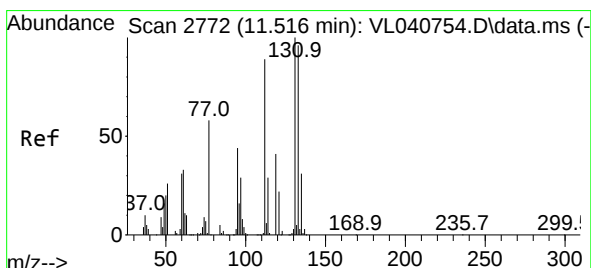
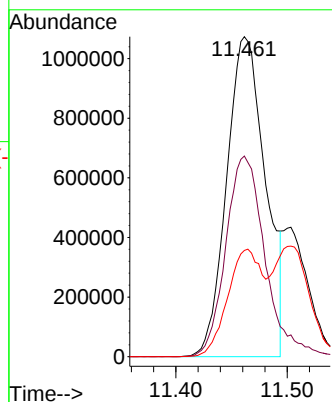
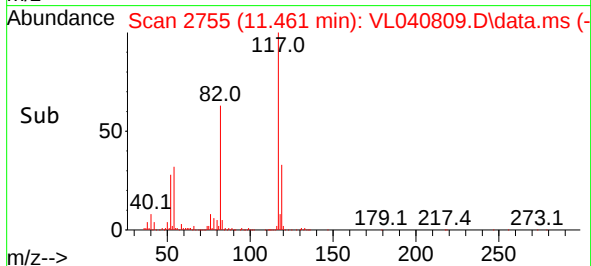
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



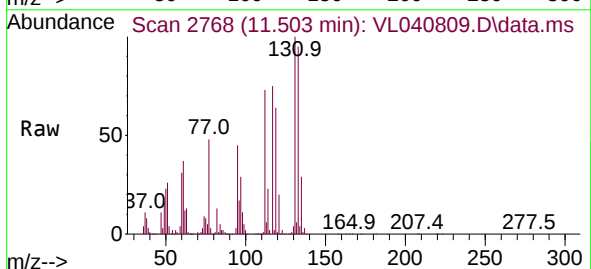
Tgt Ion:117 Resp: 260126  
Ion Ratio Lower Upper  
117 100  
82 63.8 46.6 70.0  
119 29.8 26.0 39.0

Manual Integrations  
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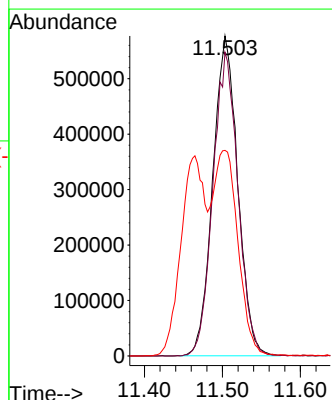
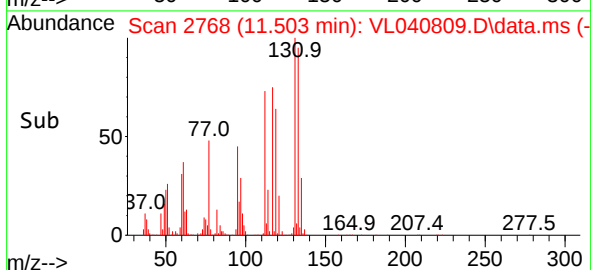
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

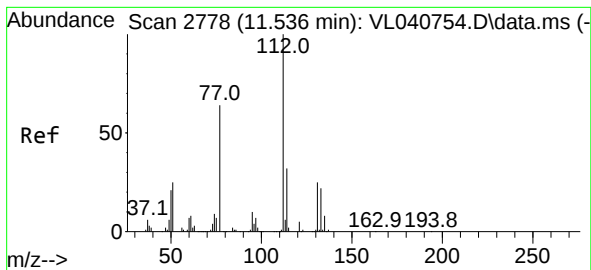


#56  
1,1,1,2-Tetrachloroethane  
Concen: 12.076 ppbv  
RT: 11.503 min Scan# 2768  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



Tgt Ion:131 Resp: 1282068  
Ion Ratio Lower Upper  
131 100  
133 95.5 75.0 112.6  
119 62.6 45.4 68.0





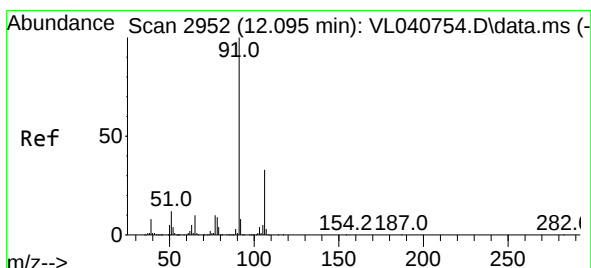
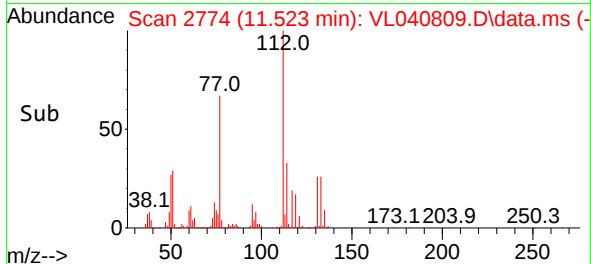
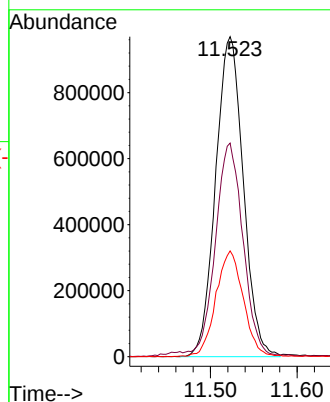
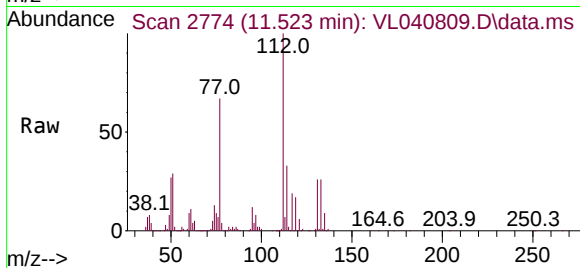
#57  
Chlorobenzene  
Concen: 11.543 ppbv  
RT: 11.523 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 215133  
Ion Ratio Lower Upper  
112 100  
77 66.3 51.9 77.9  
114 32.9 28.6 35.0

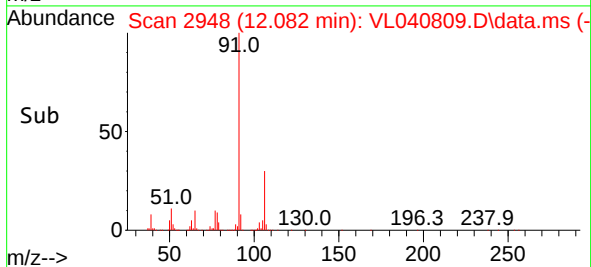
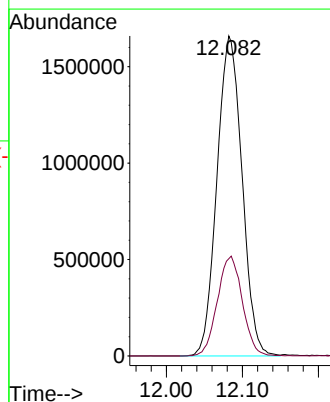
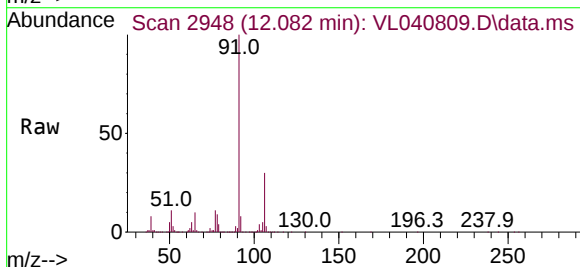
Manual Integrations  
APPROVED

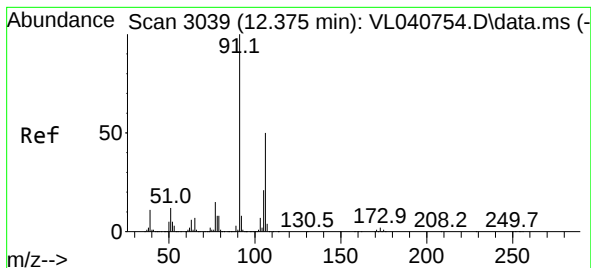
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#58  
Ethyl Benzene  
Concen: 11.595 ppbv  
RT: 12.082 min Scan# 2948  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion: 91 Resp: 3797556  
Ion Ratio Lower Upper  
91 100  
106 30.4 26.7 40.1





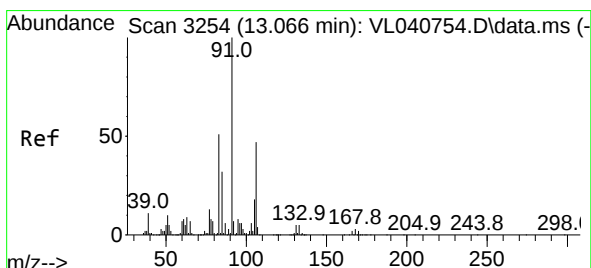
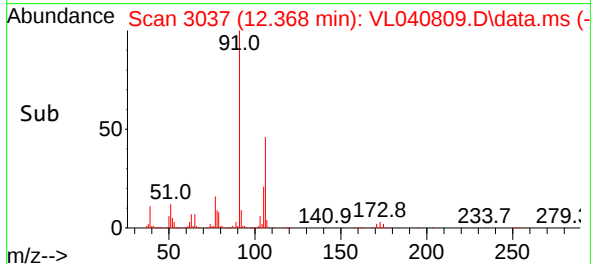
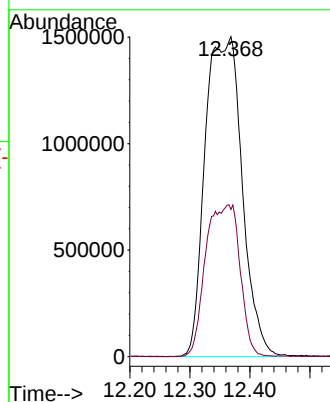
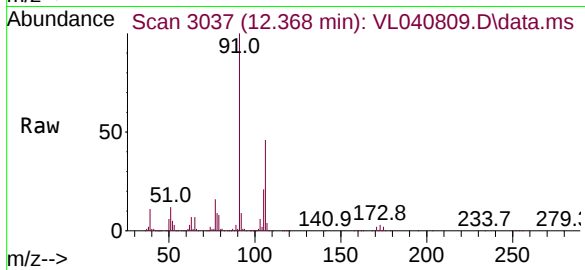
#59  
m/p-Xylene  
Concen: 23.735 ppbv m  
RT: 12.368 min Scan# 3039  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 6397829  
Ion Ratio Lower Upper  
91 100  
106 44.4 37.7 56.5

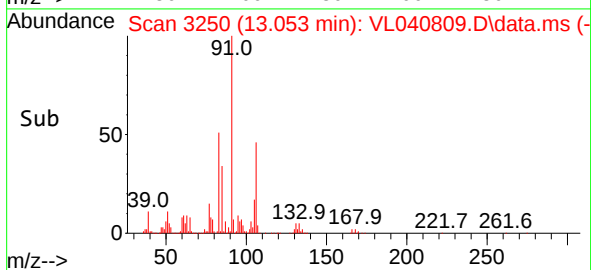
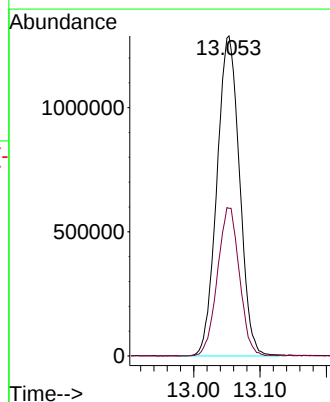
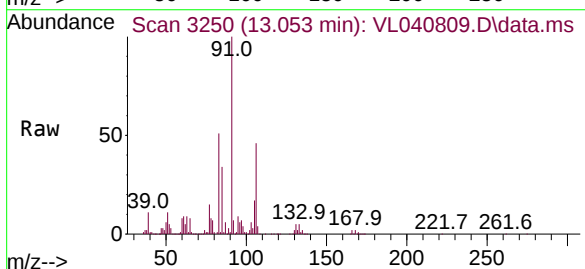
Manual Integrations  
APPROVED

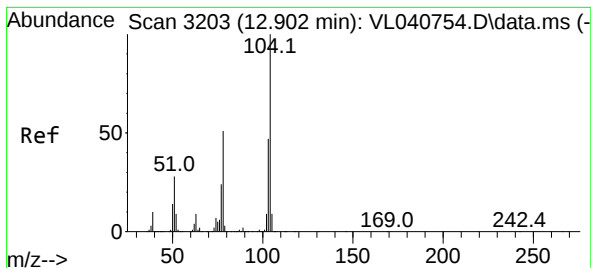
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#60  
o-Xylene  
Concen: 11.898 ppbv  
RT: 13.053 min Scan# 3250  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion: 91 Resp: 3055878  
Ion Ratio Lower Upper  
91 100  
106 45.2 23.5 70.5





#61

Styrene

Concen: 11.601 ppbv

RT: 12.892 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1650880

Ion Ratio Lower Upper

104 100

78 53.2 39.8 59.6

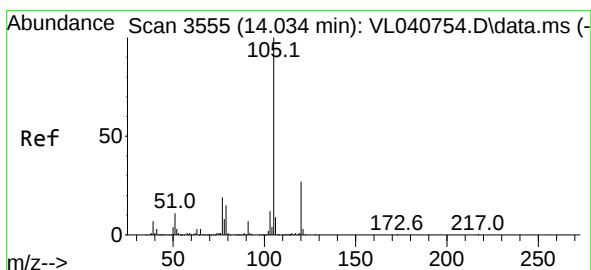
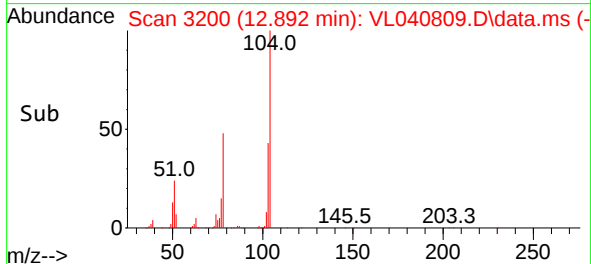
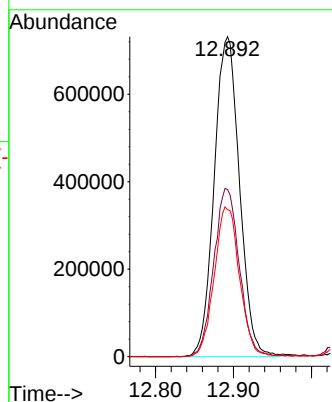
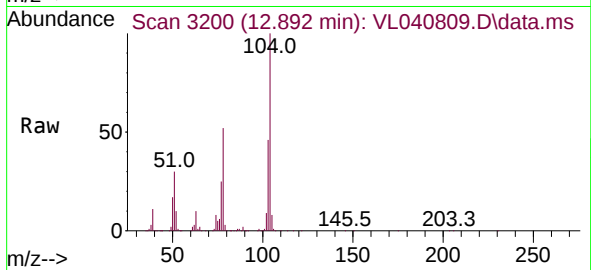
103 46.9 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#62

Isopropylbenzene

Concen: 11.243 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. 0.000 min

Lab File: VL040809.D

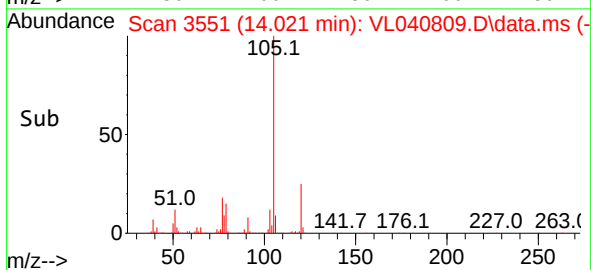
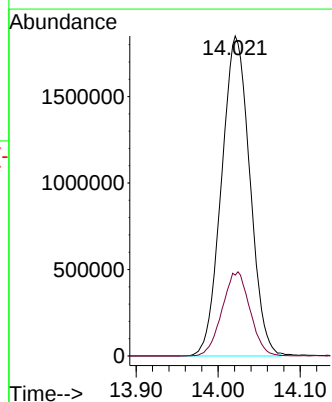
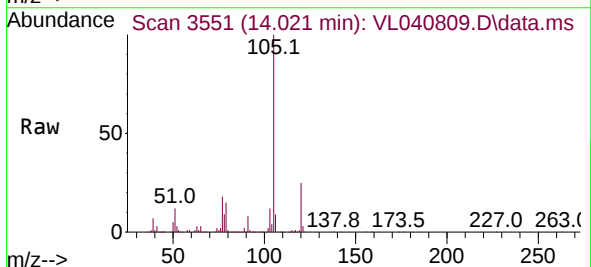
Acq: 8 Nov 2023 13:08

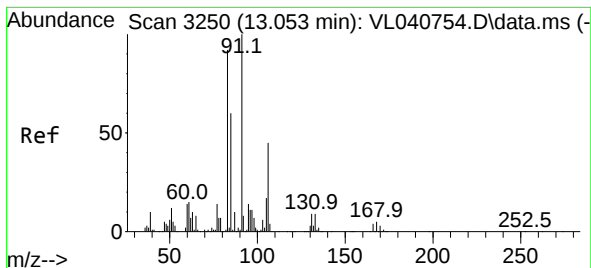
Tgt Ion:105 Resp: 4442367

Ion Ratio Lower Upper

105 100

120 25.9 21.5 32.3





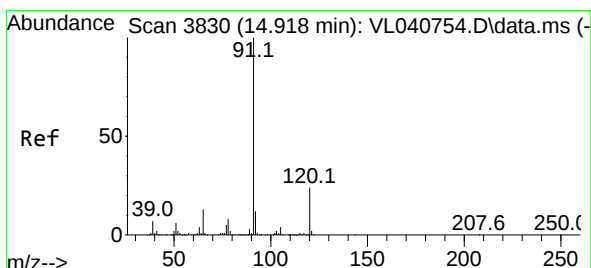
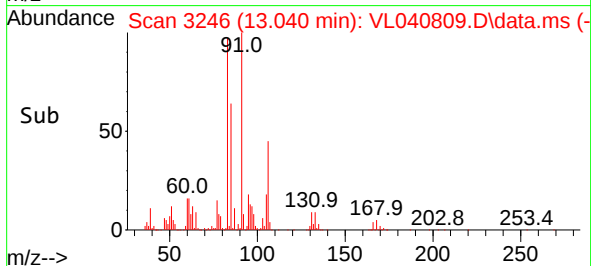
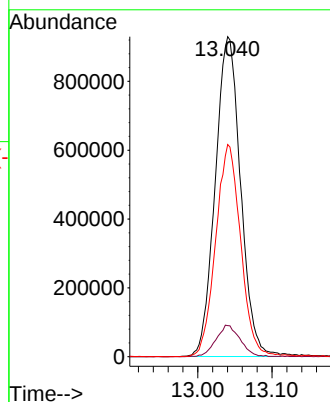
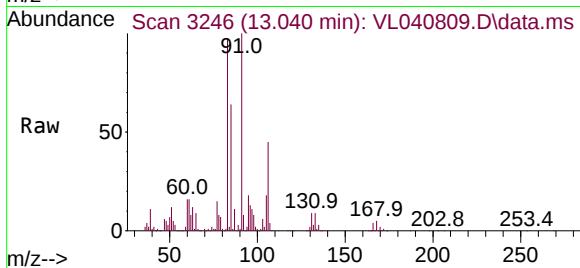
#63  
1,1,2,2-Tetrachloroethane  
Concen: 11.463 ppbv  
RT: 13.040 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 83 Resp: 2207334  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.9 14.6  
85 65.8 32.9 98.7

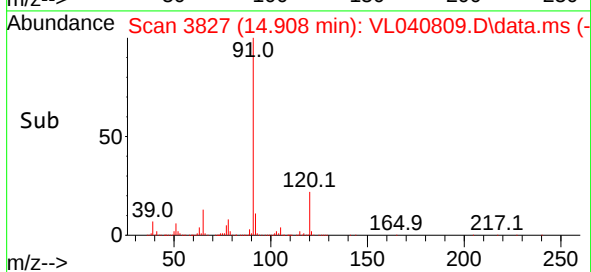
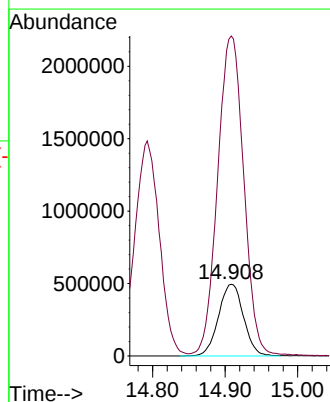
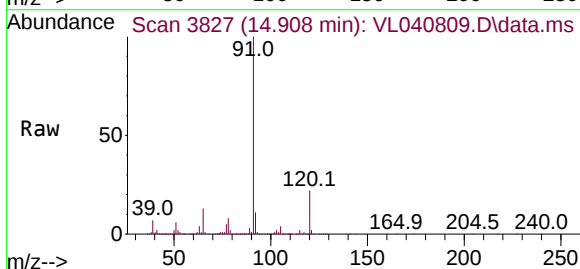
Manual Integrations  
APPROVED

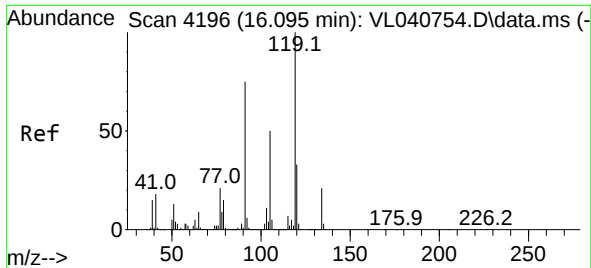
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#64  
n-propylbenzene  
Concen: 11.183 ppbv  
RT: 14.908 min Scan# 3827  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion:120 Resp: 1187033  
Ion Ratio Lower Upper  
120 100  
91 467.2 345.9 518.9





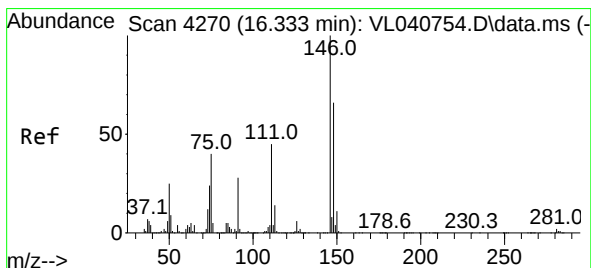
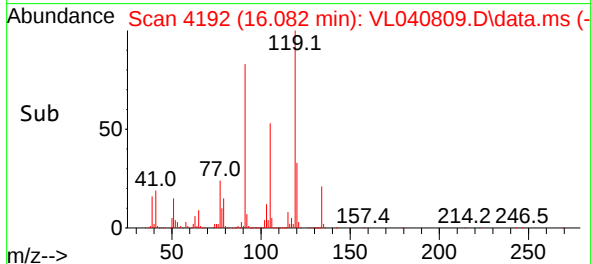
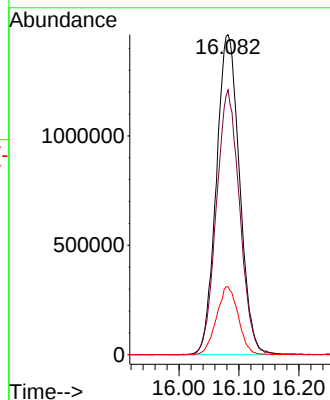
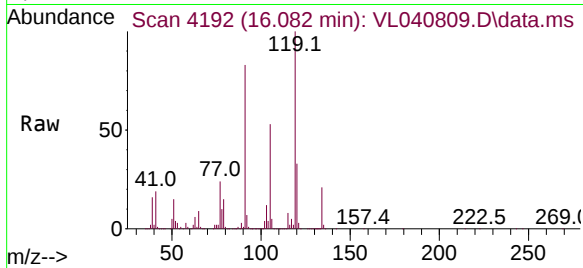
#65  
tert-Butylbenzene  
Concen: 11.024 ppbv  
RT: 16.082 min Scan# 4196  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion:119 Resp: 3928670  
Ion Ratio Lower Upper  
119 100  
91 82.9 62.2 93.2  
134 20.0 16.1 24.1

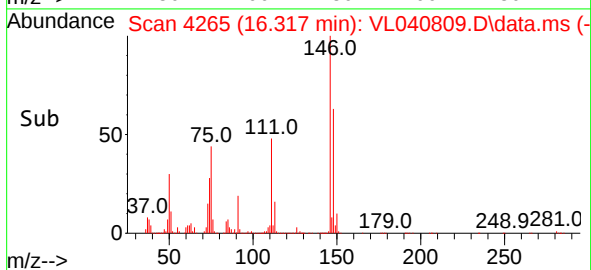
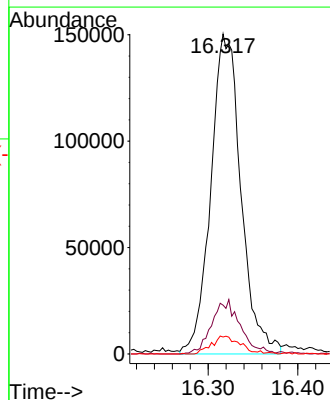
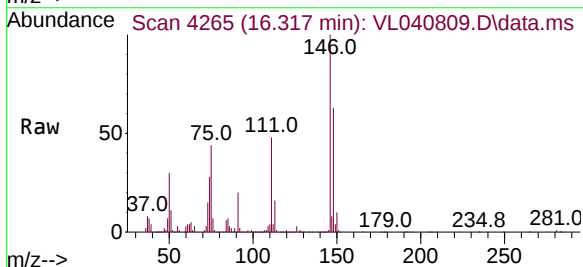
Manual Integrations  
APPROVED

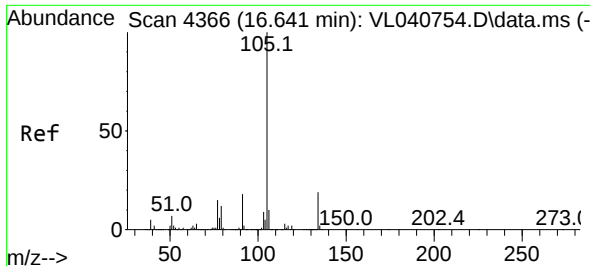
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#66  
Benzyl Chloride  
Concen: 9.789 ppbv m  
RT: 16.317 min Scan# 4265  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

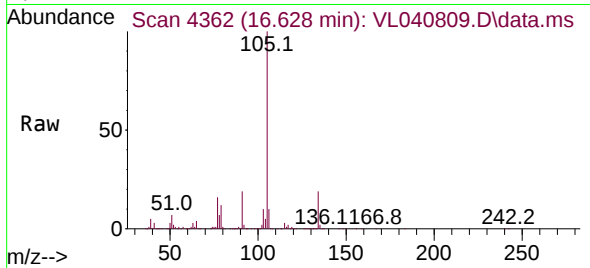
Tgt Ion: 91 Resp: 351466  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.1 24.1#  
128 5.5 5.2 7.8





#67  
 sec-Butylbenzene  
 Concen: 11.351 ppbv  
 RT: 16.628 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

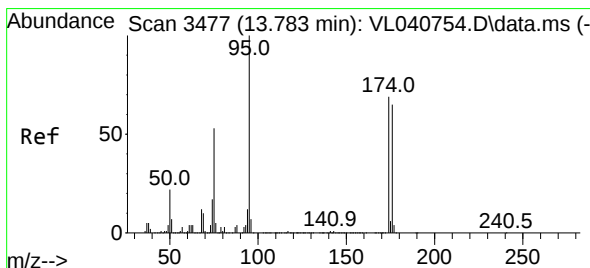
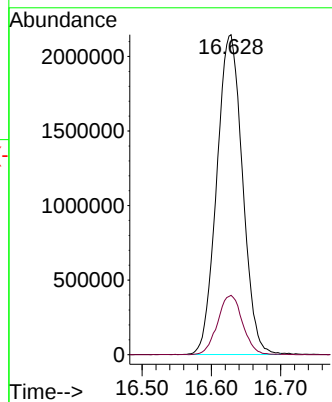
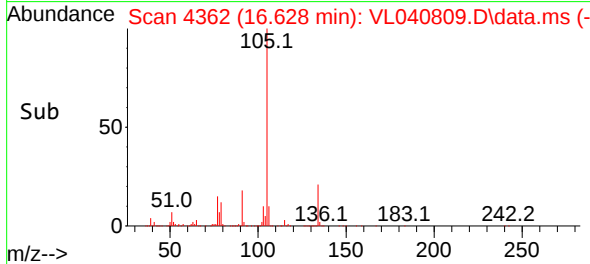
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:105 Resp: 5538520  
 Ion Ratio Lower Upper  
 105 100  
 134 18.0 15.4 23.2

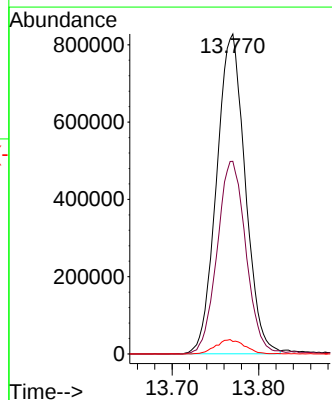
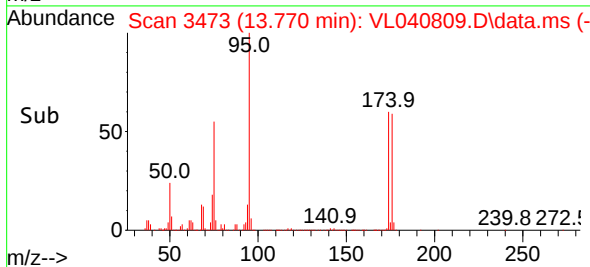
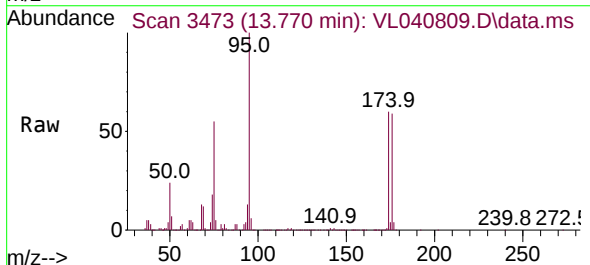
Manual Integrations  
 APPROVED

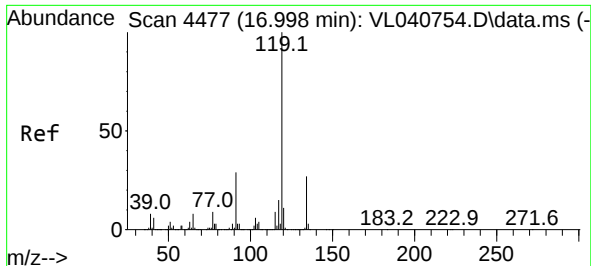
Reviewed By :Semsettin Yesilyurt 11/11/2023  
 Supervised By :Mahesh Dadoda 11/13/2023



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.919 ppbv  
 RT: 13.770 min Scan# 3473  
 Delta R.T. 0.000 min  
 Lab File: VL040809.D  
 Acq: 8 Nov 2023 13:08

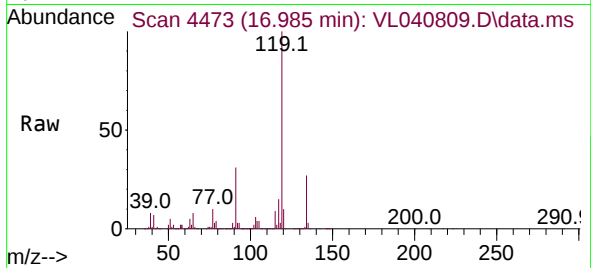
Tgt Ion: 95 Resp: 1898650  
 Ion Ratio Lower Upper  
 95 100  
 174 61.2 54.7 82.1  
 175 4.6 4.2 6.4





#69  
p-Isopropyltoluene  
Concen: 11.165 ppbv  
RT: 16.985 min Scan# 4473  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

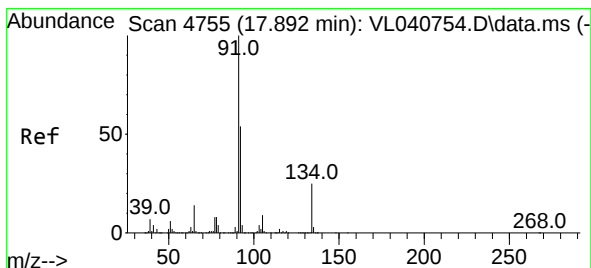
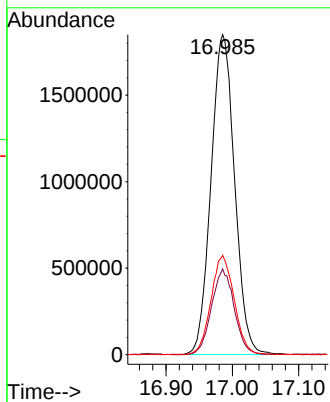
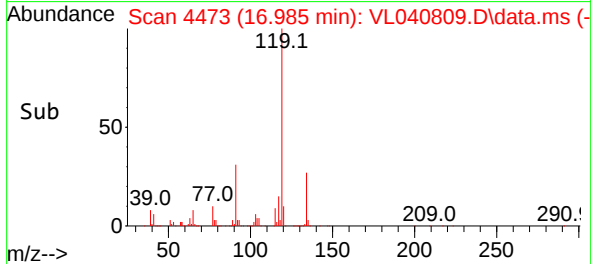
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:119 Resp: 4565139  
Ion Ratio Lower Upper  
119 100  
134 25.9 21.0 31.4  
91 30.6 22.8 34.2

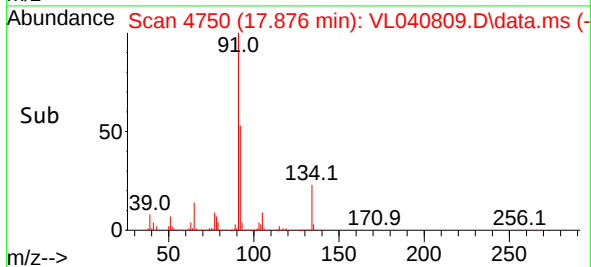
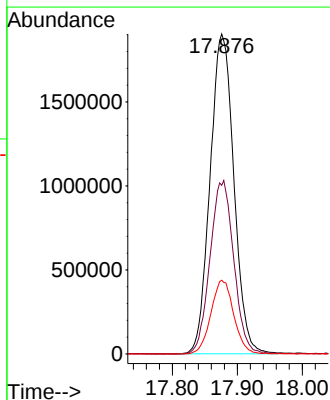
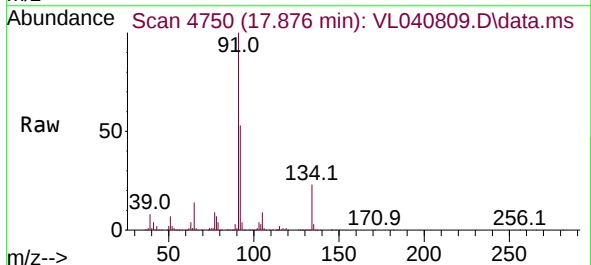
Manual Integrations  
APPROVED

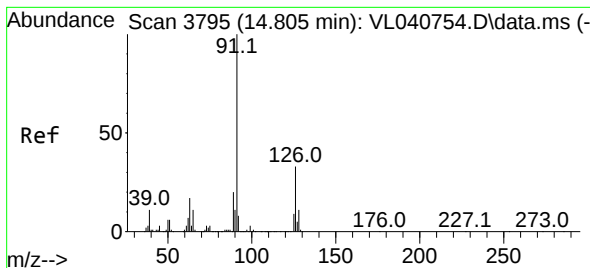
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#70  
n-Butylbenzene  
Concen: 12.061 ppbv  
RT: 17.876 min Scan# 4750  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion: 91 Resp: 4842476  
Ion Ratio Lower Upper  
91 100  
92 54.2 44.1 66.1  
134 22.2 19.5 29.3





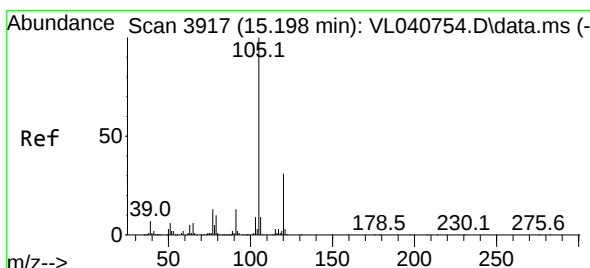
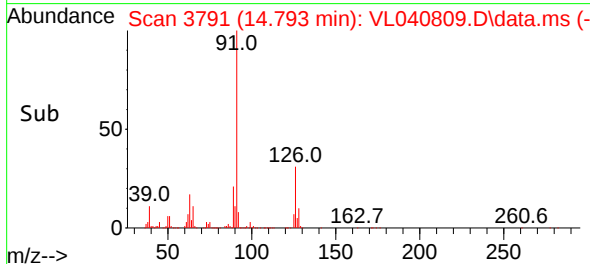
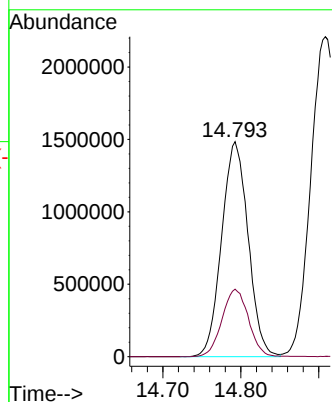
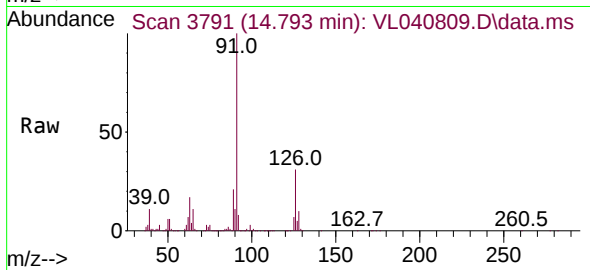
#71  
2-Chlorotoluene  
Concen: 11.811 ppbv  
RT: 14.793 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 350564  
Ion Ratio Lower Upper  
91 100  
126 31.5 13.3 53.1

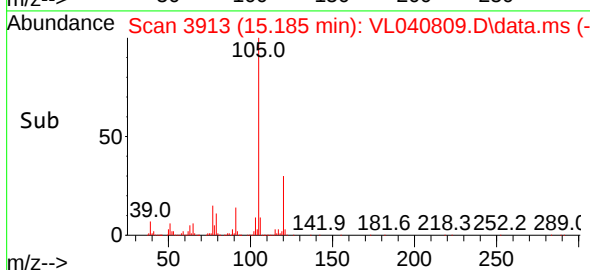
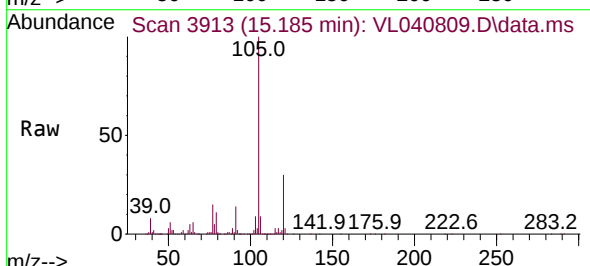
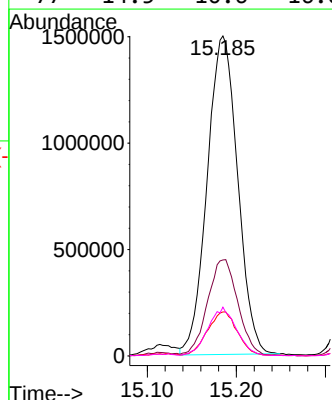
Manual Integrations  
APPROVED

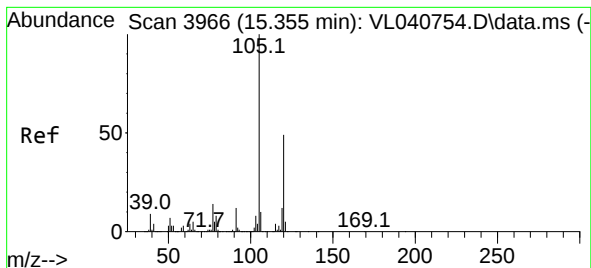
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023



#72  
4-Ethyltoluene  
Concen: 11.807 ppbv  
RT: 15.185 min Scan# 3913  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Tgt Ion:105 Resp: 3551418  
Ion Ratio Lower Upper  
105 100  
120 30.4 25.0 37.4  
91 13.6 9.8 14.8  
77 14.5 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 11.595 ppbv

RT: 15.342 min Scan# 3966

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 3070580

Ion Ratio Lower Upper

105 100

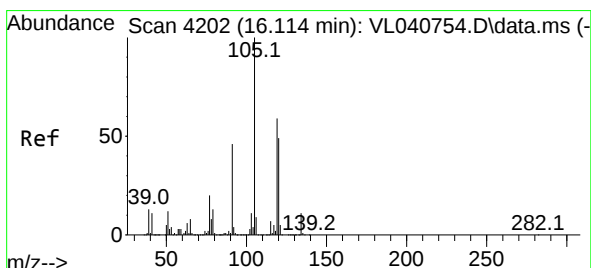
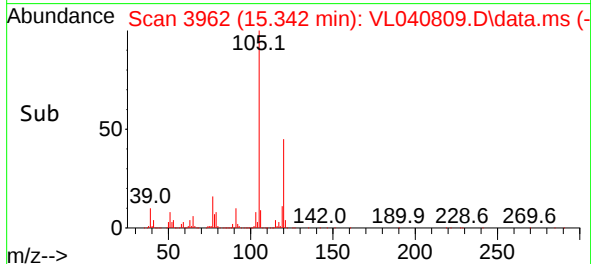
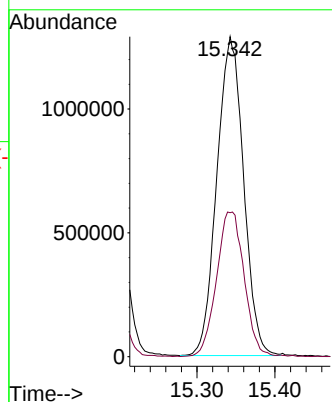
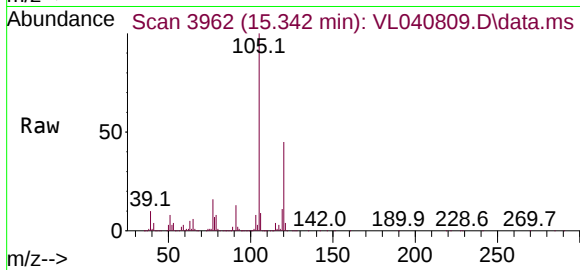
120 45.1 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#74

1,2,4-Trimethylbenzene

Concen: 11.605 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.000 min

Lab File: VL040809.D

Acq: 8 Nov 2023 13:08

Tgt Ion:105 Resp: 3357662

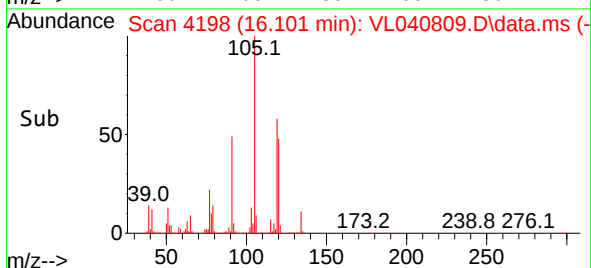
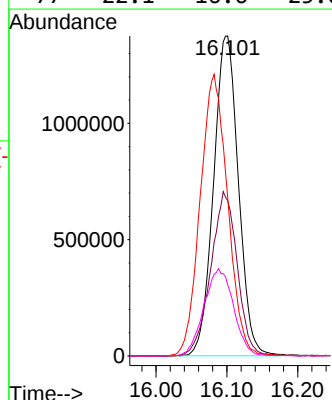
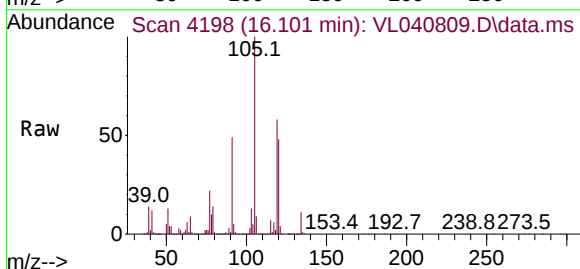
Ion Ratio Lower Upper

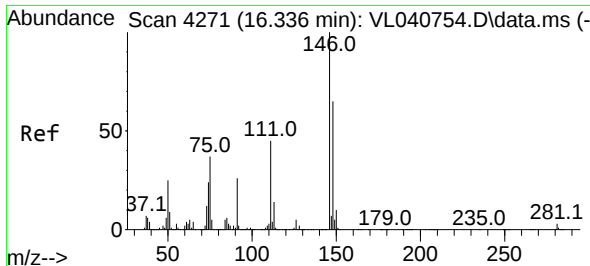
105 100

120 48.3 39.4 59.2

91 49.3 38.6 58.0

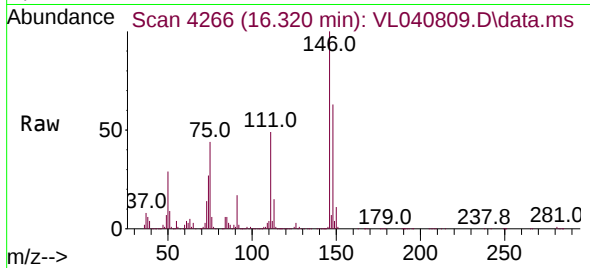
77 22.1 16.6 25.0





#75  
1,3-Dichlorobenzene  
Concen: 11.059 ppbv  
RT: 16.320 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

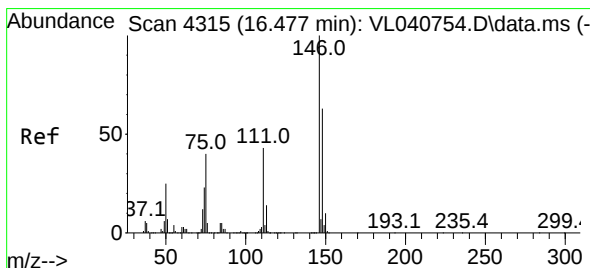
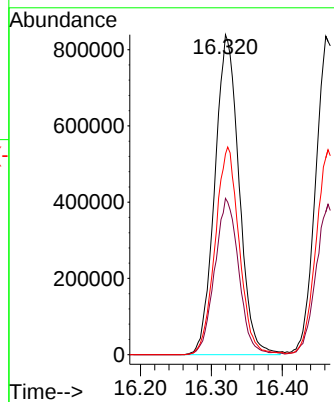
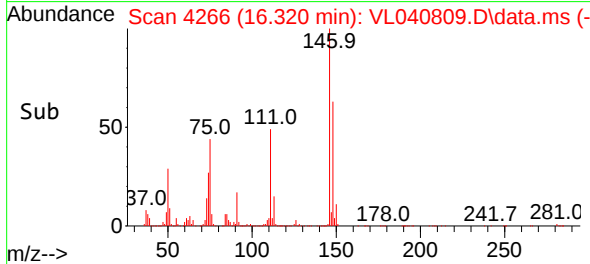
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



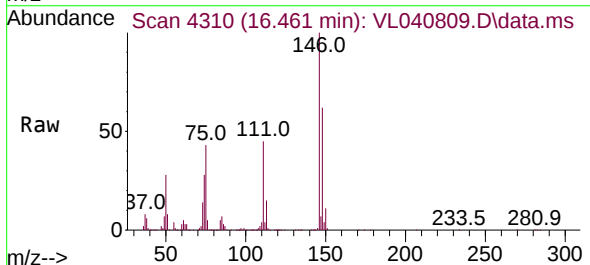
Tgt Ion:146 Resp: 199001  
Ion Ratio Lower Upper  
146 100  
111 48.7 22.6 67.7  
148 64.5 32.4 97.0

Manual Integrations  
APPROVED

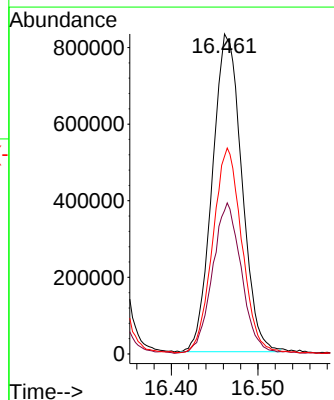
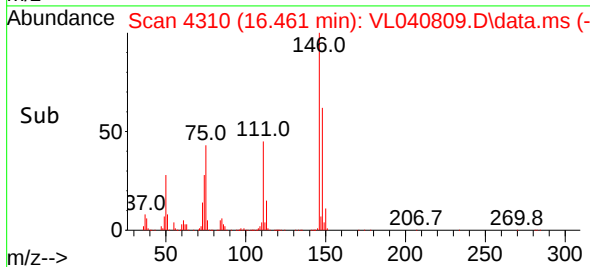
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

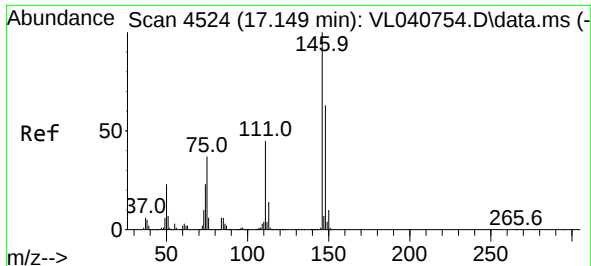


#76  
1,4-Dichlorobenzene  
Concen: 11.001 ppbv  
RT: 16.461 min Scan# 4310  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



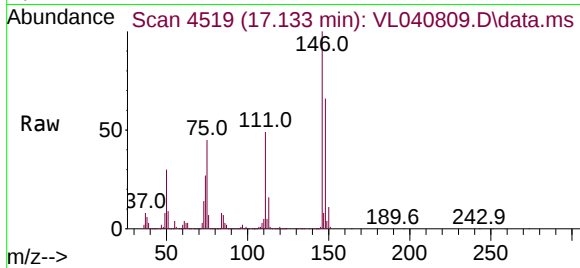
Tgt Ion:146 Resp: 1960481  
Ion Ratio Lower Upper  
146 100  
111 47.2 22.0 66.0  
148 65.0 33.4 100.1





#77  
1,2-Dichlorobenzene  
Concen: 10.886 ppbv  
RT: 17.133 min Scan# 4519  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

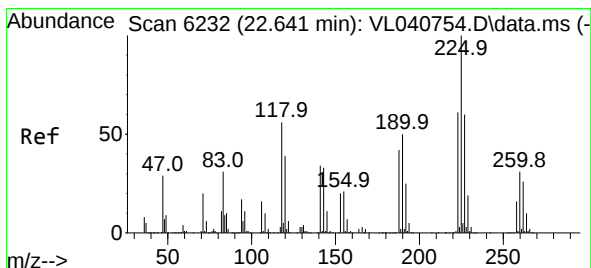
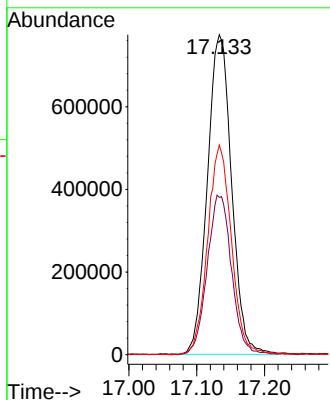
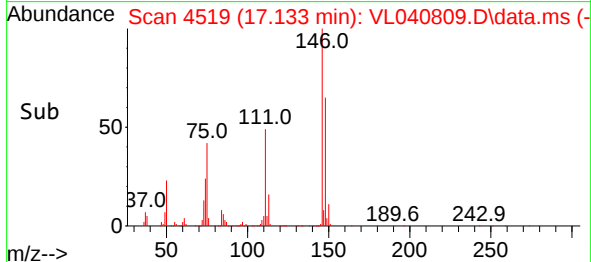
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



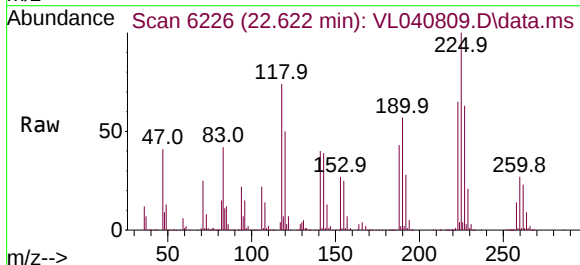
Tgt Ion:146 Resp: 192202  
Ion Ratio Lower Upper  
146 100  
111 50.3 22.9 68.8  
148 64.5 32.3 96.8

Manual Integrations  
APPROVED

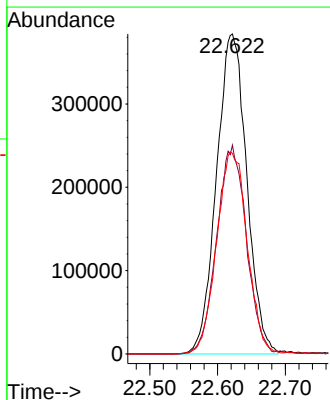
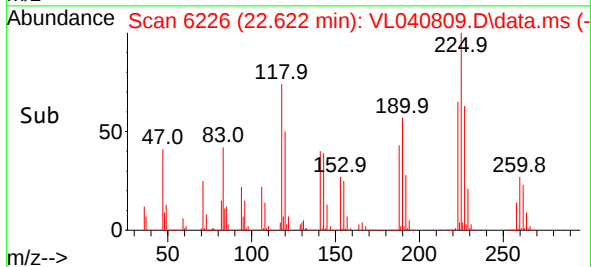
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

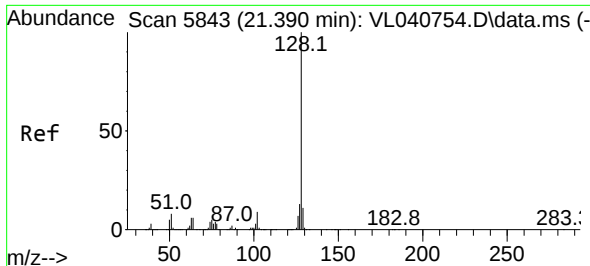


#78  
Hexachloro-1,3-Butadiene  
Concen: 9.423 ppbv  
RT: 22.622 min Scan# 6226  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



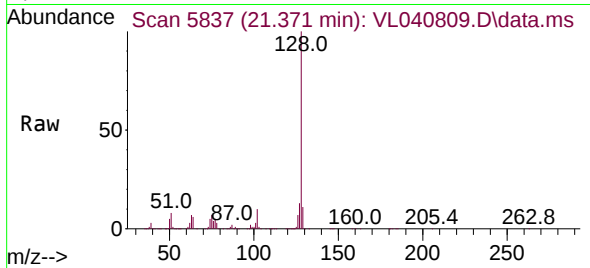
Tgt Ion:225 Resp: 1190402  
Ion Ratio Lower Upper  
225 100  
223 64.6 50.7 76.1  
227 64.3 51.4 77.0





#79  
Naphthalene  
Concen: 12.075 ppbv  
RT: 21.371 min Scan# 5843  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

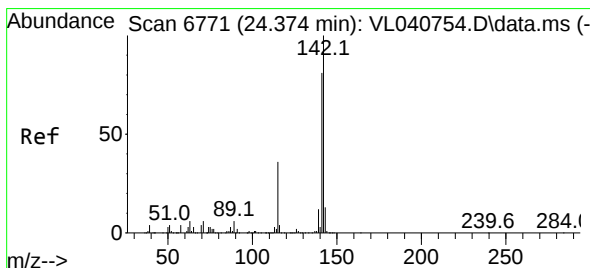
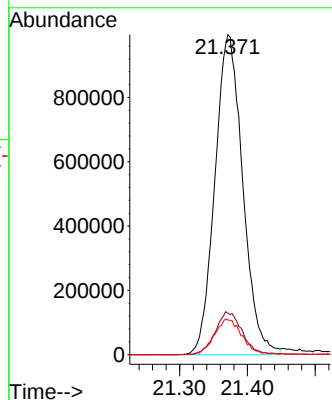
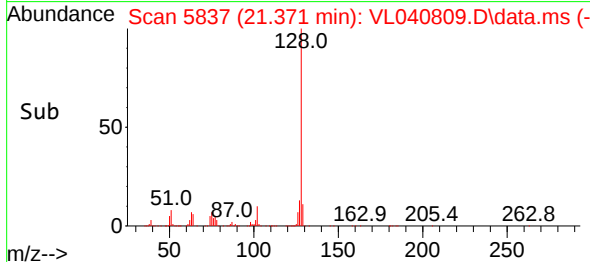
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



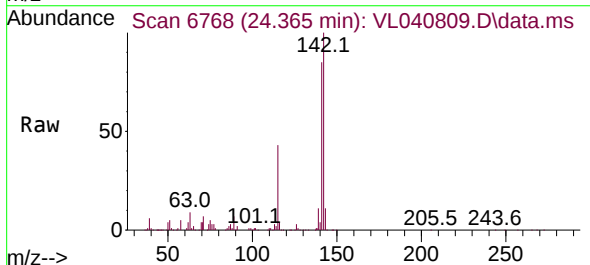
Tgt Ion:128 Resp: 283988  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 15.8  
129 10.8 9.0 13.4

Manual Integrations  
APPROVED

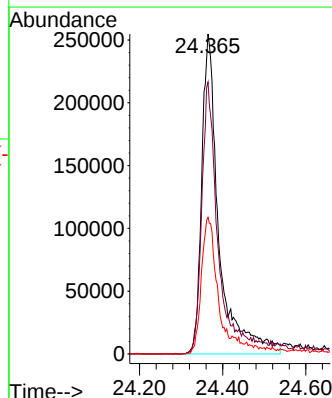
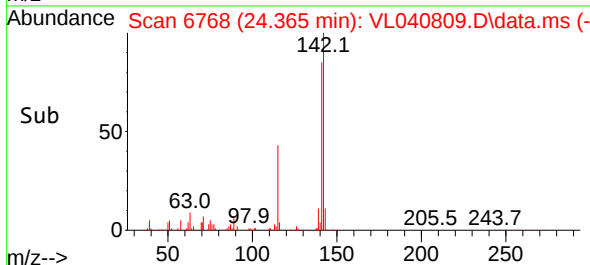
Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

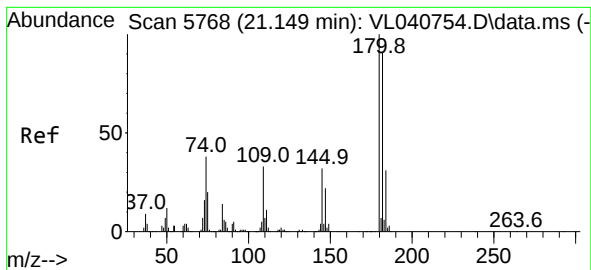


#80  
Naphthalene,2-methyl-  
Concen: 11.136 ppbv  
RT: 24.365 min Scan# 6768  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08



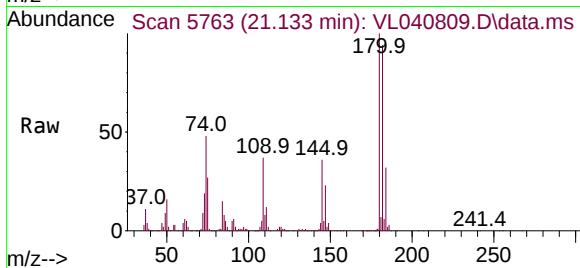
Tgt Ion:142 Resp: 734925  
Ion Ratio Lower Upper  
142 100  
141 82.3 66.3 99.5  
115 45.1 30.0 45.0#





#81  
1,2,4-Trichlorobenzene  
Concen: 11.043 ppbv  
RT: 21.133 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VL040809.D  
Acq: 8 Nov 2023 13:08

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:180 Resp: 1410025  
Ion Ratio Lower Upper  
180 100  
182 98.8 77.9 116.9  
184 30.5 25.0 37.6

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023  
Supervised By :Mahesh Dadoda 11/13/2023

