

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080723\  
 Data File : VL040591.D  
 Acq On : 7 Aug 2023 9:04  
 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 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023

Quant Time: Aug 08 01:39:46 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 4 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.195  | 49   | 1195268  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.655  | 114  | 2939992  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.468 | 117  | 2820616m | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2433717 10.902 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.000%

Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.732 | 85  | 2381430 | 9.961  | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 2.674 | 51  | 1730358 | 9.133  | ppbv   | 96     |
| 4) Chloromethane              | 2.816 | 50  | 660114  | 8.795  | ppbv   | 94     |
| 5) Vinyl Chloride             | 2.922 | 62  | 731327  | 9.280  | ppbv   | 99     |
| 6) Bromomethane               | 3.121 | 94  | 312366  | 9.391  | ppbv   | 99     |
| 7) Chloroethane               | 3.198 | 64  | 264180  | 9.554  | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 2.857 | 85  | 1892287 | 9.620  | ppbv   | 99     |
| 9) Propene                    | 2.693 | 41  | 508804  | 7.845  | ppbv   | 97     |
| 10) Heptane                   | 7.581 | 43  | 1347575 | 9.409  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.562 | 101 | 2015104 | 10.445 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.066 | 101 | 1419989 | 10.452 | ppbv   | 95     |
| 13) Ethanol                   | 3.240 | 45  | 111382  | 7.893  | ppbv   | 100    |
| 14) Bromoethene               | 3.369 | 108 | 604619  | 10.349 | ppbv   | 97     |
| 15) Acetone                   | 3.468 | 43  | 1316877 | 9.571  | ppbv   | 97     |
| 16) 1,3-Butadiene             | 2.986 | 39  | 667323  | 9.614  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.877 | 59  | 1366555 | 9.603  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.883 | 96  | 638657  | 10.225 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.578 | 45  | 770059  | 9.750  | ppbv # | 96     |
| 20) Methylene Chloride        | 3.935 | 84  | 562683  | 9.615  | ppbv   | 98     |
| 21) Allyl Chloride            | 3.999 | 41  | 739840  | 9.416  | ppbv   | 93     |
| 22) trans-1,2-Dichloroethene  | 4.446 | 96  | 637148  | 10.339 | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.626 | 43  | 1400368 | 10.684 | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 4.565 | 63  | 1313863 | 9.875  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.205 | 43  | 2408769 | 9.196  | ppbv   | 99     |
| 26) Hexane                    | 5.211 | 57  | 1065467 | 8.756  | ppbv   | 95     |
| 27) Carbon Disulfide          | 4.124 | 76  | 1606707 | 11.225 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 4.587 | 73  | 922787  | 9.420  | ppbv   | 100    |
| 29) Chloroform                | 5.279 | 83  | 1894564 | 9.387  | ppbv   | 99     |
| 30) Cyclohexane               | 6.603 | 84  | 882269  | 8.713  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.079 | 61  | 1085241 | 9.023  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.008 | 97  | 1936283 | 9.805  | ppbv   | 99     |
| 34) 2-Butanone                | 4.787 | 43  | 1423595 | 9.799  | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.497 | 117 | 1989014 | 11.242 | ppbv   | 99     |
| 36) Benzene                   | 6.375 | 78  | 2199100 | 9.296  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.809 | 62  | 1433713 | 10.302 | ppbv   | 97     |
| 38) Trichloroethene           | 7.291 | 130 | 888816  | 9.933  | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 7.079 | 63  | 857092  | 9.412  | ppbv   | 94     |
| 40) 1,4-Dioxane               | 7.285 | 88  | 294259  | 10.331 | ppbv # | 29     |
| 41) Tetrahydrofuran           | 5.555 | 42  | 800301  | 9.440  | ppbv   | 97     |
| 42) Bromodichloromethane      | 7.253 | 83  | 2077237 | 10.732 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.478 | 69  | 915358  | 10.338 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.330 | 57  | 3718446 | 9.770  | ppbv   | 97     |
| 45) t-1,3-Dichloropropene     | 8.716 | 75  | 613517  | 10.801 | ppbv   | 99     |

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

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/08/2023  
 Supervised By : Mahesh Dadoda 08/09/2023

Quant Time: Aug 08 01:39:46 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL071023AIR.M

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

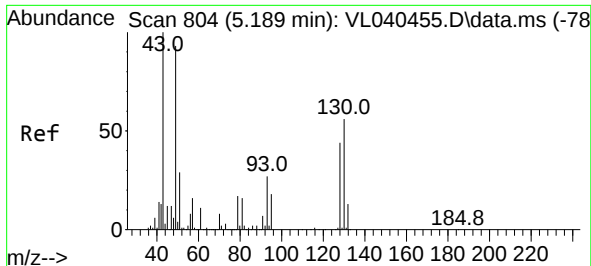
QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.147  | 75   | 745877   | 10.235 | ppbv   | 92       |
| 47) 1,1,2-Trichloroethane     | 8.902  | 97   | 967194   | 9.626  | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.712  | 129  | 1684664  | 10.845 | ppbv   | 100      |
| 49) Bromoform                 | 12.413 | 173  | 1394961  | 11.327 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.185  | 43   | 2239546  | 10.610 | ppbv   | 96       |
| 51) 2-Hexanone                | 9.555  | 43   | 1591886  | 10.665 | ppbv # | 97       |
| 52) Tetrachloroethene         | 10.616 | 164  | 773117   | 10.092 | ppbv   | 96       |
| 53) Toluene                   | 9.224  | 91   | 2554970  | 9.943  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.008 | 107  | 1262949  | 10.113 | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 11.513 | 131  | 1271394  | 10.065 | ppbv   | 98       |
| 57) Chlorobenzene             | 11.532 | 112  | 2055964  | 9.347  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.095 | 91   | 3602373  | 10.177 | ppbv   | 100      |
| 59) m/p-Xylene                | 12.375 | 91   | 6393629m | 20.237 | ppbv   |          |
| 60) o-Xylene                  | 13.063 | 91   | 3106087  | 10.320 | ppbv   | 99       |
| 61) Styrene                   | 12.902 | 104  | 1483290  | 10.684 | ppbv   | 97       |
| 62) Isopropylbenzene          | 14.031 | 105  | 4476855  | 9.925  | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.050 | 83   | 2240395  | 10.630 | ppbv   | 100      |
| 64) n-propylbenzene           | 14.918 | 120  | 1167066  | 10.000 | ppbv   | 93       |
| 65) tert-Butylbenzene         | 16.092 | 119  | 3980254  | 9.967  | ppbv   | 96       |
| 66) Benzyl Chloride           | 16.333 | 91   | 334919   | 11.855 | ppbv   | 96       |
| 67) sec-Butylbenzene          | 16.638 | 105  | 5735612  | 9.775  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.998 | 119  | 4661745  | 9.614  | ppbv   | 98       |
| 70) n-Butylbenzene            | 17.889 | 91   | 5207656  | 9.631  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.802 | 91   | 3528467  | 10.150 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 15.195 | 105  | 3642151  | 10.324 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.355 | 105  | 3147048  | 10.120 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.111 | 105  | 3582709  | 9.881  | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 16.333 | 146  | 2056120  | 9.354  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.477 | 146  | 2014385  | 9.345  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.146 | 146  | 1964210  | 9.345  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.635 | 225  | 1409853  | 7.142  | ppbv   | 100      |
| 79) Naphthalene               | 21.387 | 128  | 2846763  | 9.280  | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.377 | 142  | 783406   | 6.194  | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.140 | 180  | 1673313  | 7.915  | ppbv   | 100      |

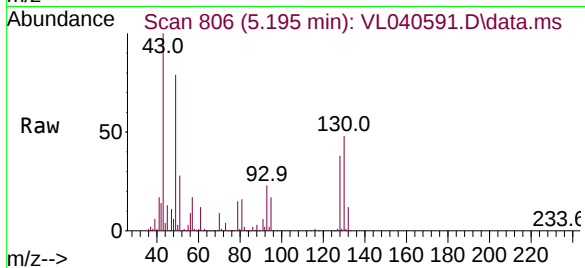
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.195 min Scan# 804  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

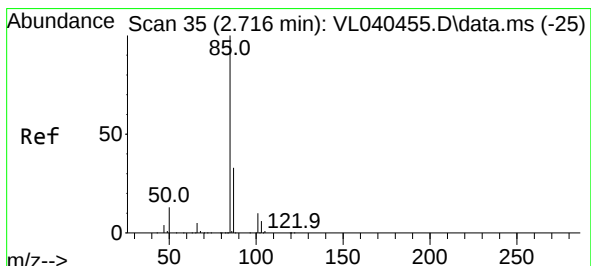
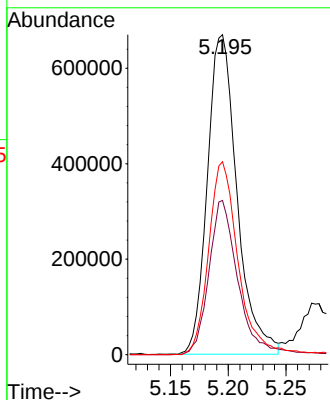
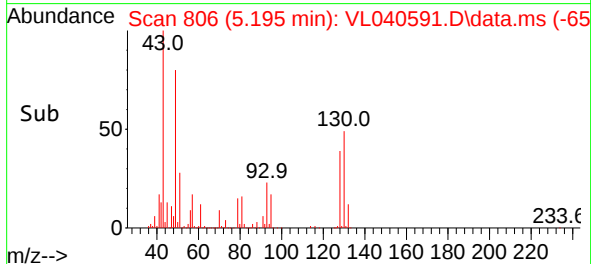
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 49 Resp: 119526  
Ion Ratio Lower Upper  
49 100  
128 48.1 25.1 75.4  
130 61.2 31.6 94.7

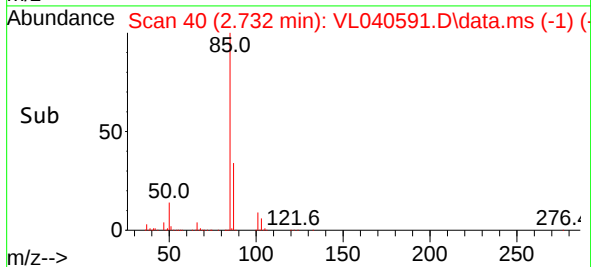
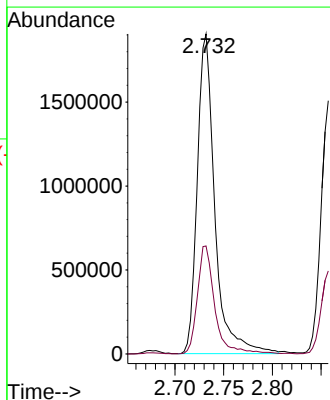
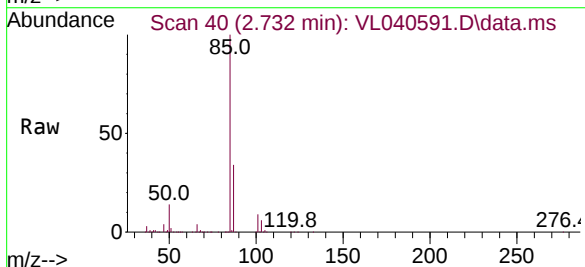
Manual Integrations  
APPROVED

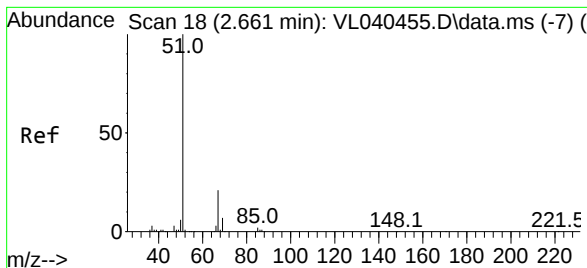
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#2  
Dichlorodifluoromethane  
Concen: 9.961 ppbv  
RT: 2.732 min Scan# 40  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

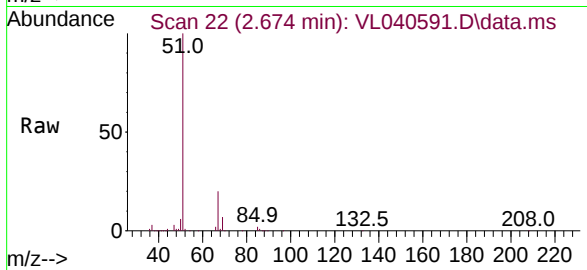
Tgt Ion: 85 Resp: 2381430  
Ion Ratio Lower Upper  
85 100  
87 33.7 26.8 40.2





#3  
Chlorodifluoromethane  
Concen: 9.133 ppbv  
RT: 2.674 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

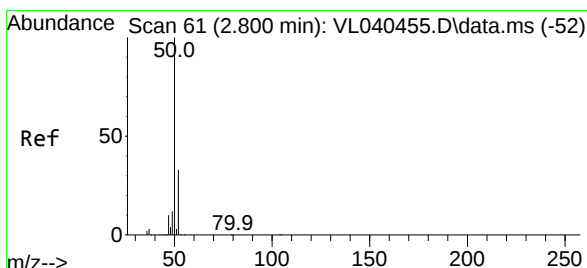
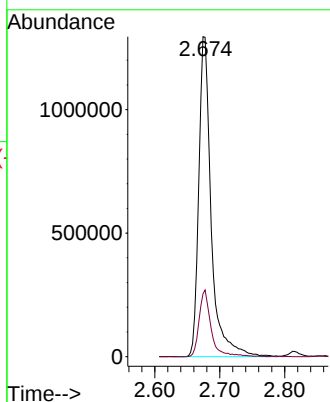
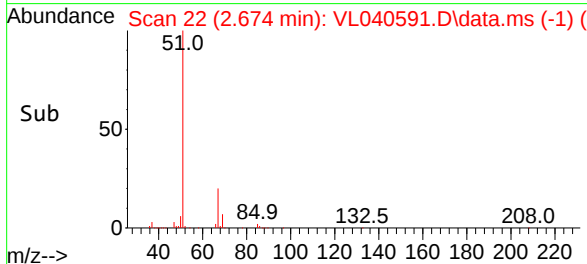
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



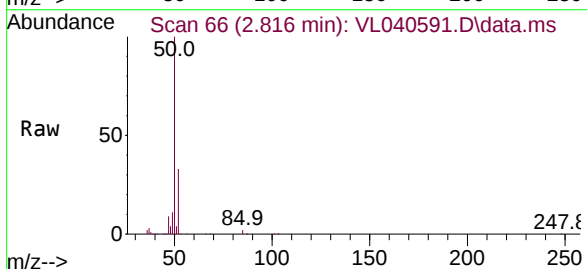
Tgt Ion: 51 Resp: 1730358  
Ion Ratio Lower Upper  
51 100  
67 20.2 14.6 21.8

Manual Integrations  
APPROVED

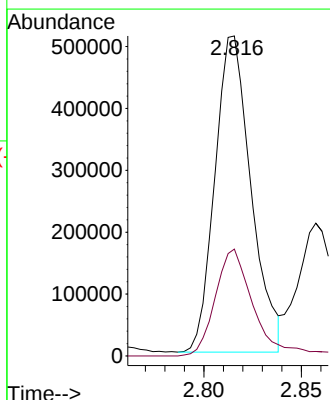
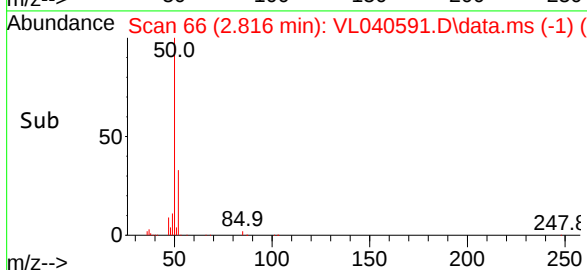
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

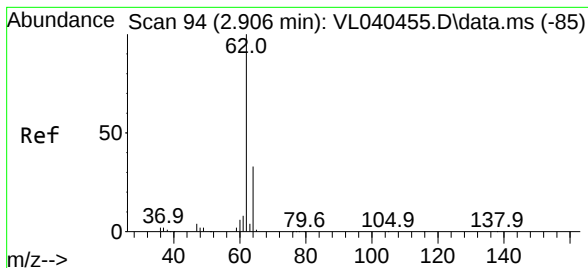


#4  
Chloromethane  
Concen: 8.795 ppbv  
RT: 2.816 min Scan# 66  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



Tgt Ion: 50 Resp: 660114  
Ion Ratio Lower Upper  
50 100  
52 33.8 24.4 36.6





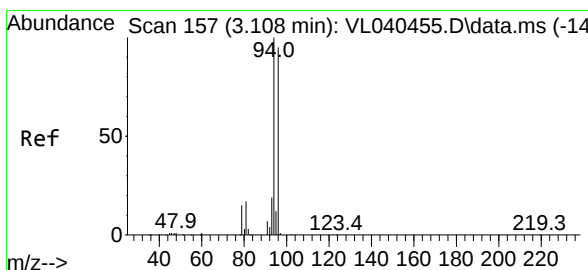
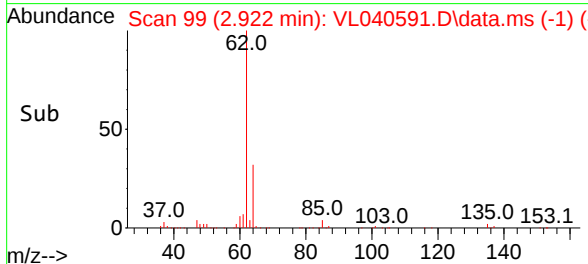
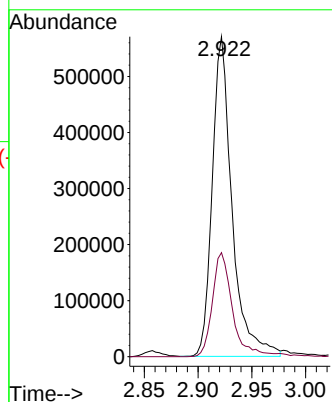
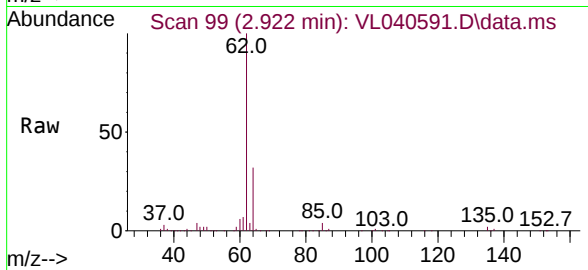
#5  
 Vinyl Chloride  
 Concen: 9.280 ppbv  
 RT: 2.922 min Scan# 94  
 Delta R.T. -0.007 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion: 62 Resp: 73132  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 26.4 39.6

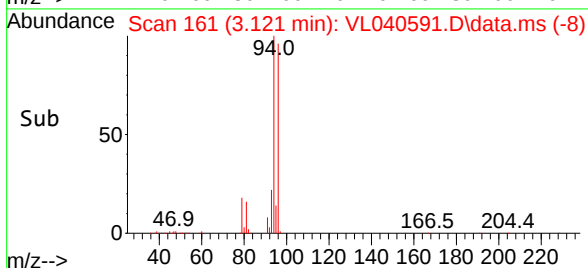
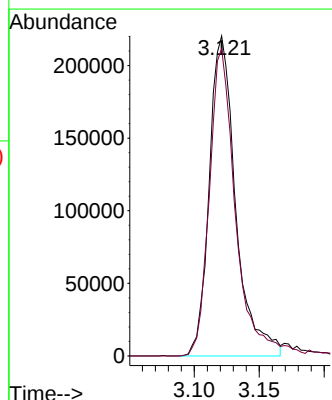
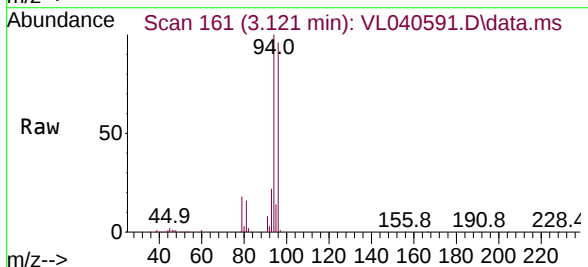
Manual Integrations  
 APPROVED

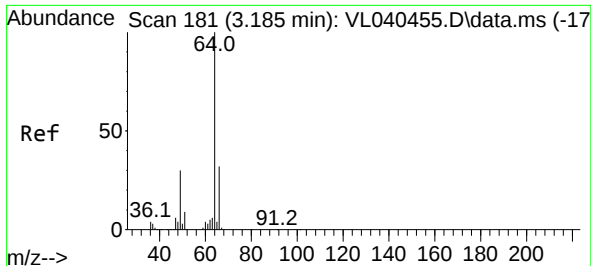
Reviewed By :Semsettin Yesilyurt 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023



#6  
 Bromomethane  
 Concen: 9.391 ppbv  
 RT: 3.121 min Scan# 161  
 Delta R.T. -0.007 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

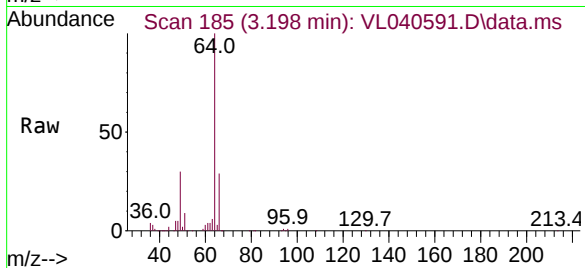
Tgt Ion: 94 Resp: 312366  
 Ion Ratio Lower Upper  
 94 100  
 96 96.0 75.7 113.5





#7  
Chloroethane  
Concen: 9.554 ppbv  
RT: 3.198 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

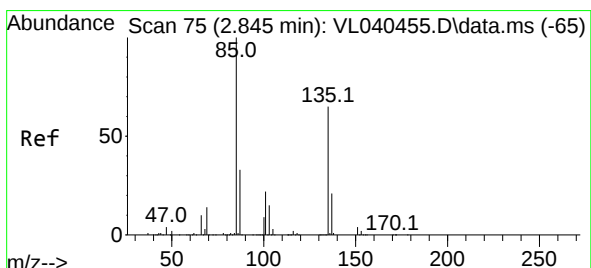
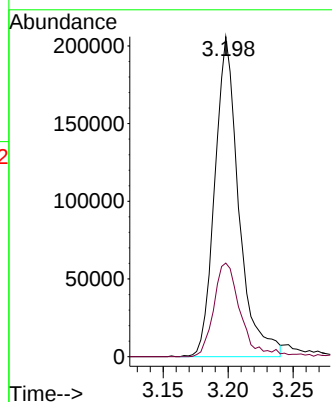
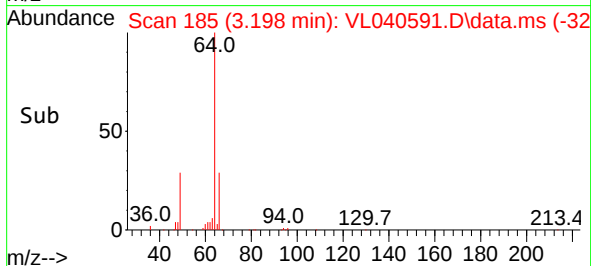
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 64 Resp: 264180  
Ion Ratio Lower Upper  
64 100  
66 29.3 24.4 36.6

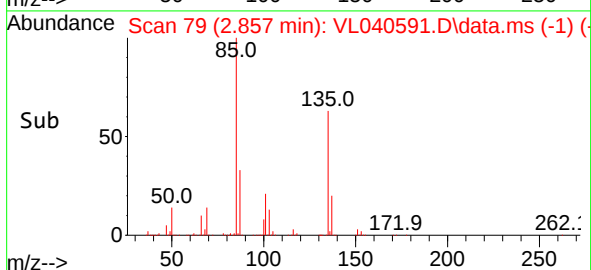
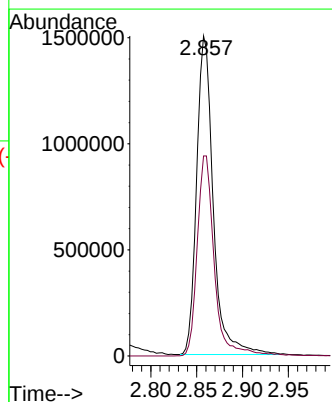
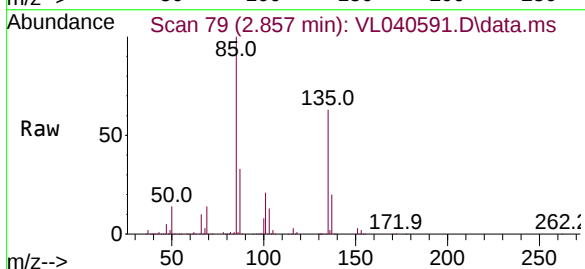
Manual Integrations  
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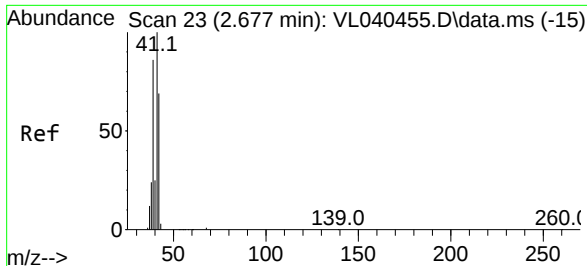
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#8  
Dichlorotetrafluoroethane  
Concen: 9.620 ppbv  
RT: 2.857 min Scan# 79  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

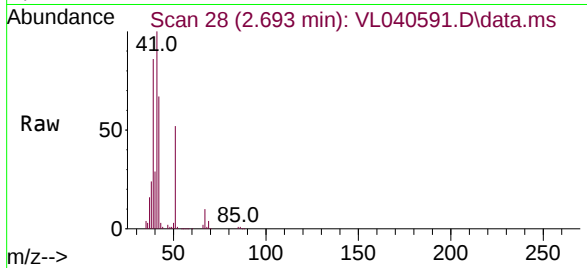
Tgt Ion: 85 Resp: 1892287  
Ion Ratio Lower Upper  
85 100  
135 65.1 52.4 78.6





#9  
 Propene  
 Concen: 7.845 ppbv  
 RT: 2.693 min Scan# 21  
 Delta R.T. -0.010 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

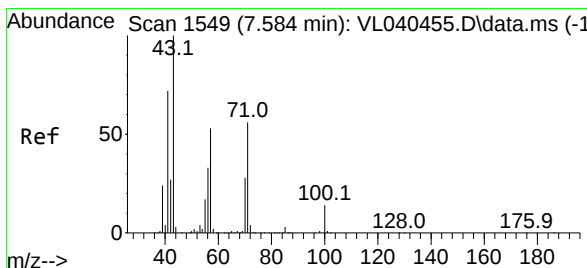
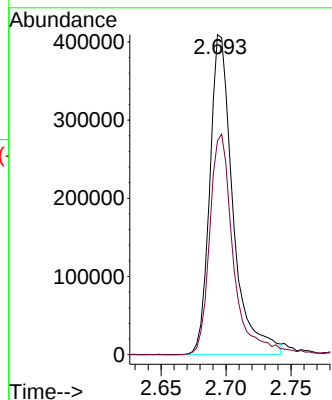
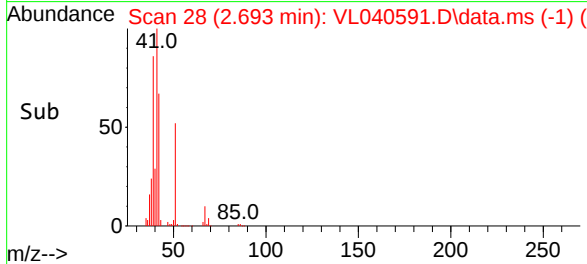
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion: 41 Resp: 508804  
 Ion Ratio Lower Upper  
 41 100  
 42 71.5 55.0 82.6

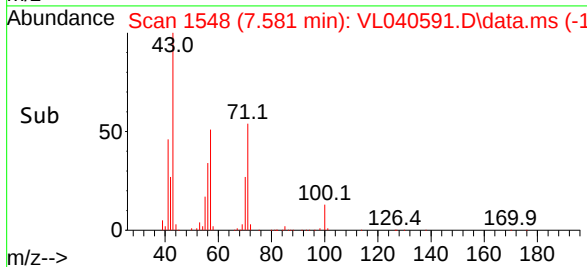
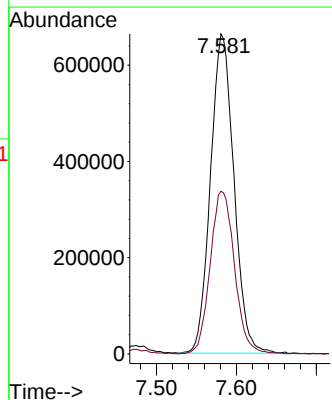
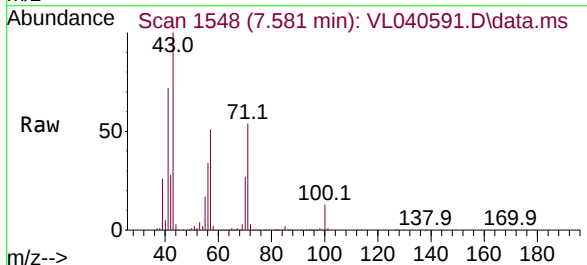
Manual Integrations  
 APPROVED

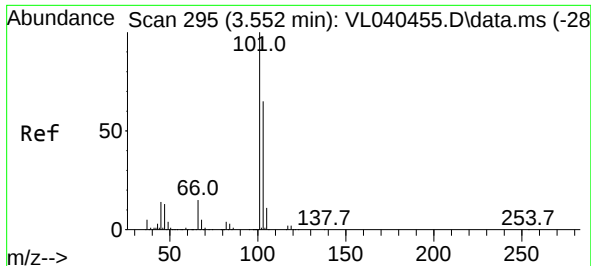
Reviewed By :Semsettin Yesilyurt 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023



#10  
 Heptane  
 Concen: 9.409 ppbv  
 RT: 7.581 min Scan# 1548  
 Delta R.T. -0.010 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

Tgt Ion: 43 Resp: 1347575  
 Ion Ratio Lower Upper  
 43 100  
 57 53.3 42.5 63.7





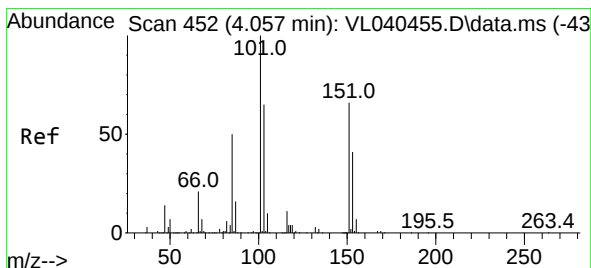
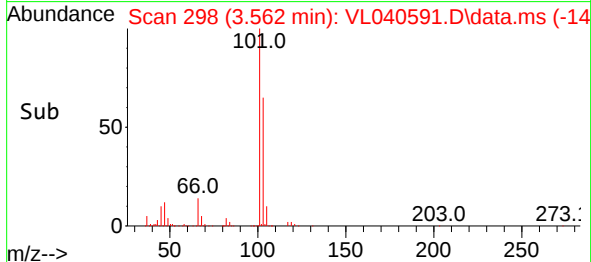
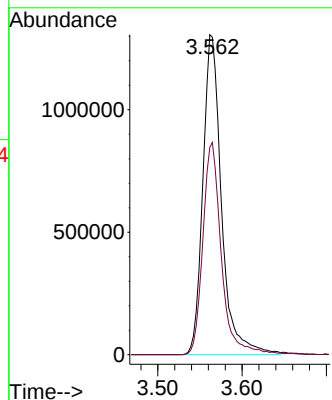
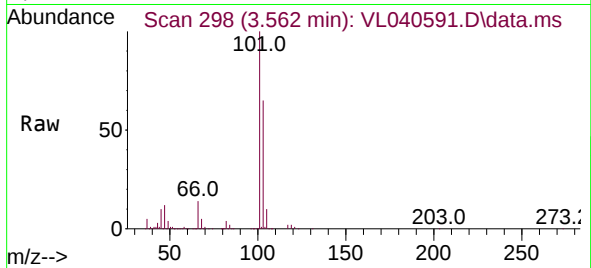
#11  
 Trichlorofluoromethane  
 Concen: 10.445 ppbv  
 RT: 3.562 min Scan# 295  
 Delta R.T. -0.010 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Tgt Ion:101 Resp: 2015104  
 Ion Ratio Lower Upper  
 101 100  
 103 64.8 53.4 80.0

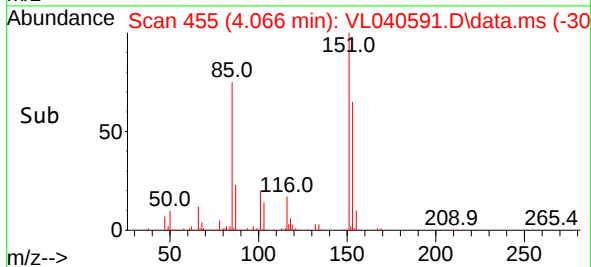
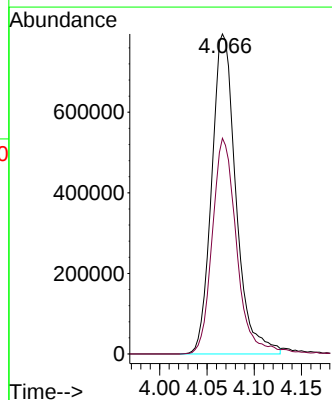
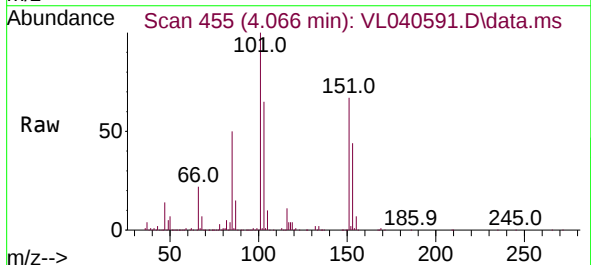
Manual Integrations  
 APPROVED

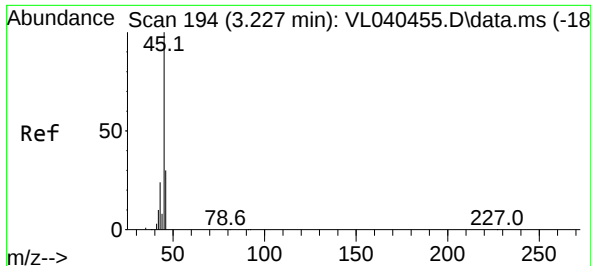
Reviewed By :Semsettin Yesilyurt 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.452 ppbv  
 RT: 4.066 min Scan# 455  
 Delta R.T. -0.007 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

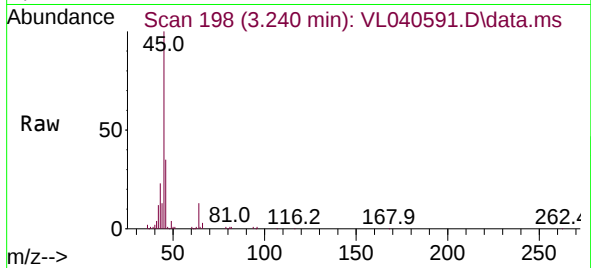
Tgt Ion:101 Resp: 1419989  
 Ion Ratio Lower Upper  
 101 100  
 151 68.3 58.2 87.4





#13  
Ethanol  
Concen: 7.893 ppbv  
RT: 3.240 min Scan# 194  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

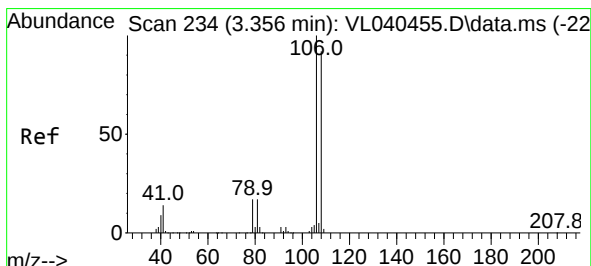
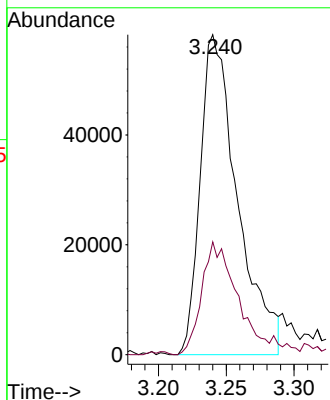
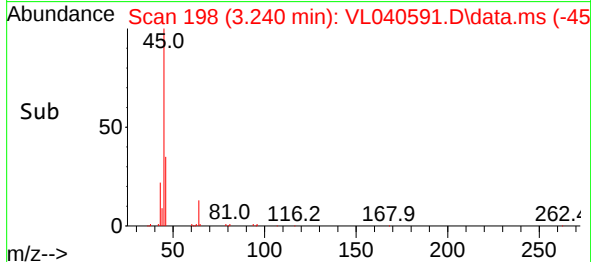
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



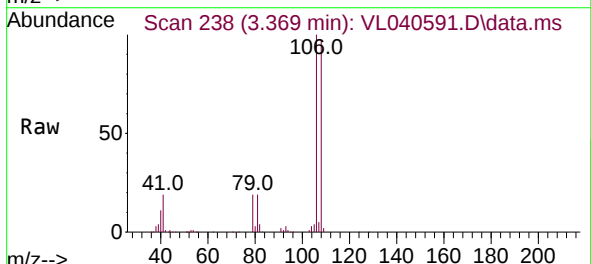
Tgt Ion: 45 Resp: 11138  
Ion Ratio Lower Upper  
45 100  
46 38.4 15.3 61.1

Manual Integrations  
APPROVED

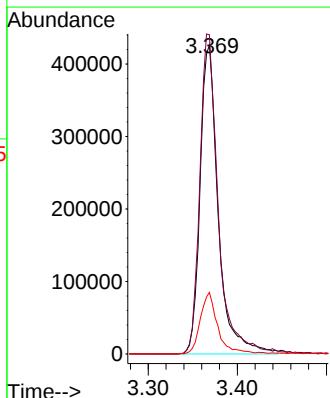
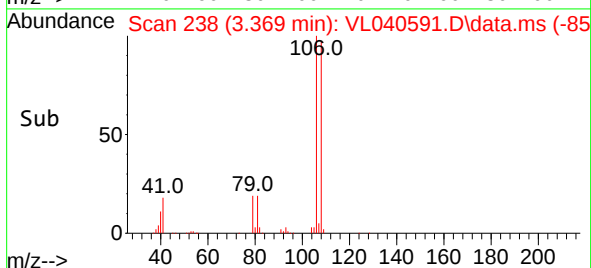
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

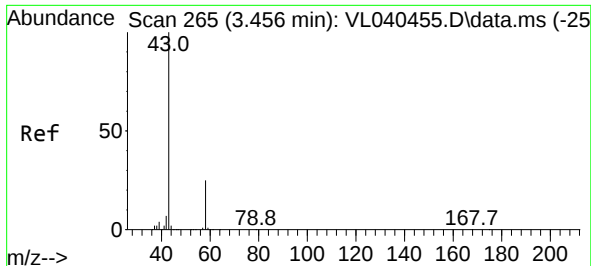


#14  
Bromoethene  
Concen: 10.349 ppbv  
RT: 3.369 min Scan# 238  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



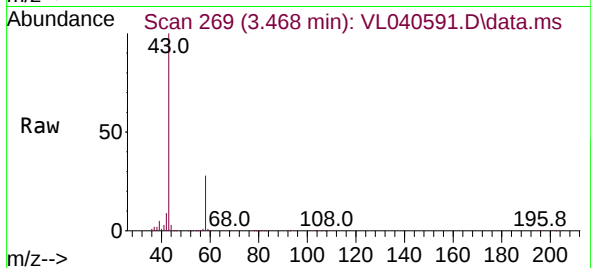
Tgt Ion:108 Resp: 604619  
Ion Ratio Lower Upper  
108 100  
106 106.0 87.2 130.8  
79 19.8 15.3 22.9





#15  
Acetone  
Concen: 9.571 ppbv  
RT: 3.468 min Scan# 20  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

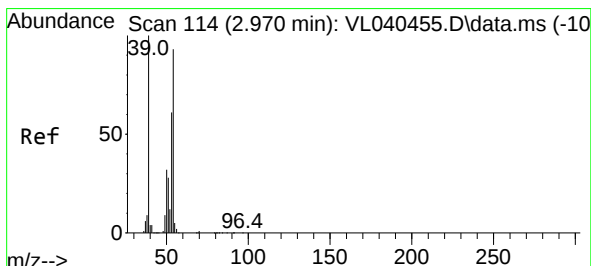
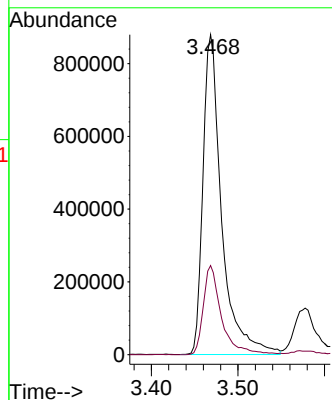
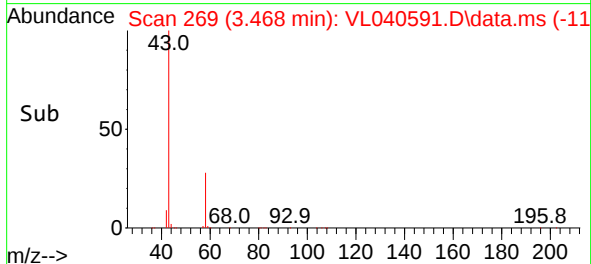
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 131687  
Ion Ratio Lower Upper  
43 100  
58 27.2 22.9 34.3

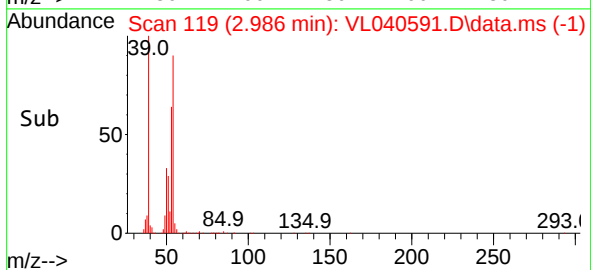
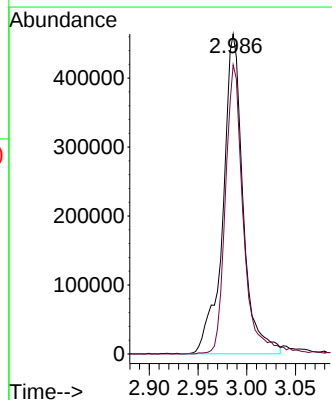
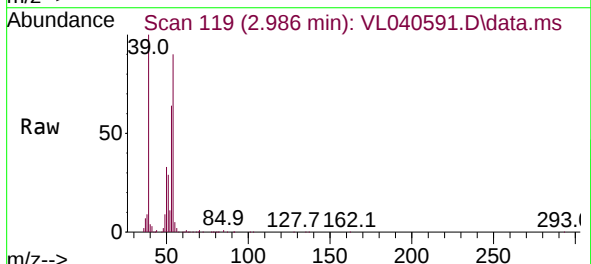
Manual Integrations  
APPROVED

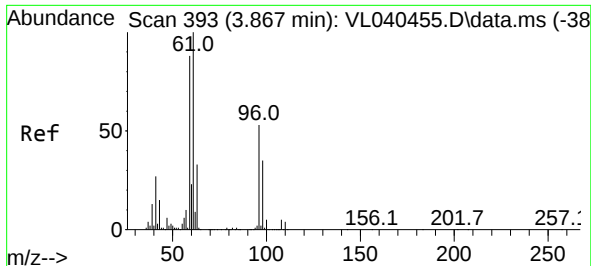
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#16  
1,3-Butadiene  
Concen: 9.614 ppbv  
RT: 2.986 min Scan# 119  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 39 Resp: 667323  
Ion Ratio Lower Upper  
39 100  
54 81.9 66.6 100.0





#17

tert-Butyl alcohol

Concen: 9.603 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 136655

Ion Ratio Lower Upper

59 100

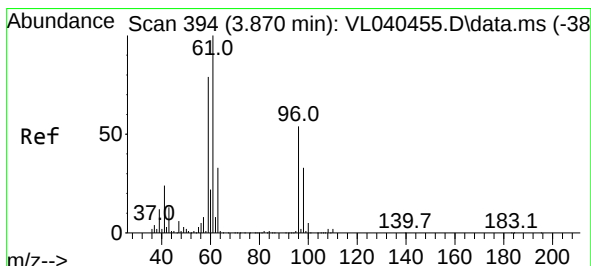
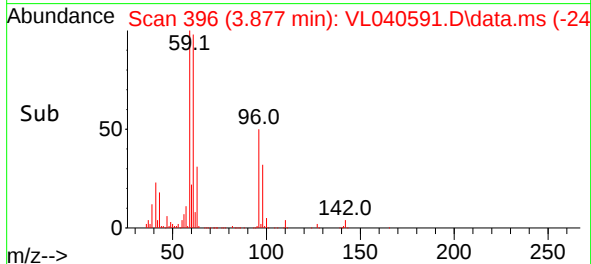
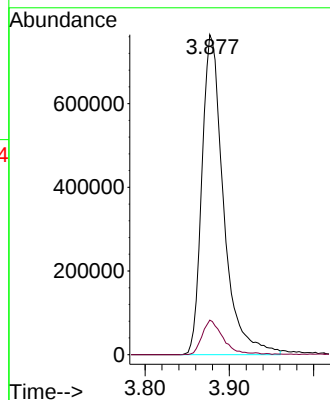
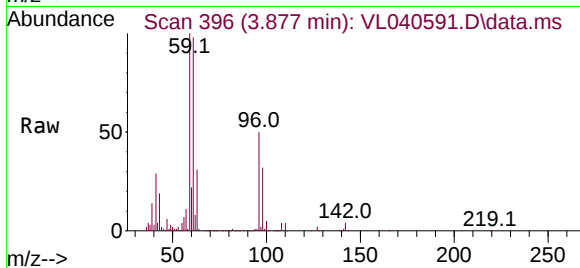
57 10.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#18

1,1-Dichloroethene

Concen: 10.225 ppbv

RT: 3.883 min Scan# 398

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

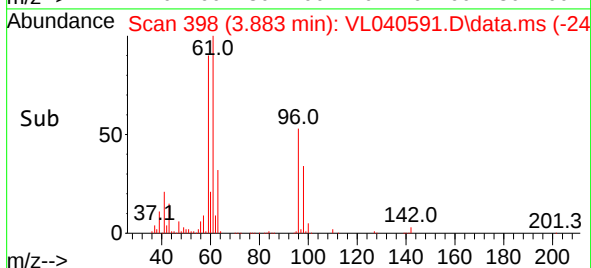
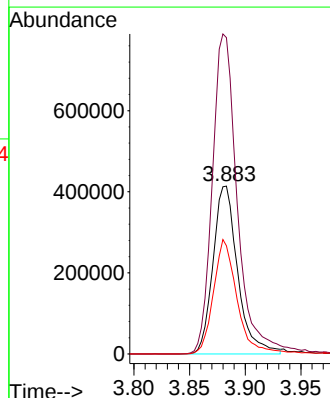
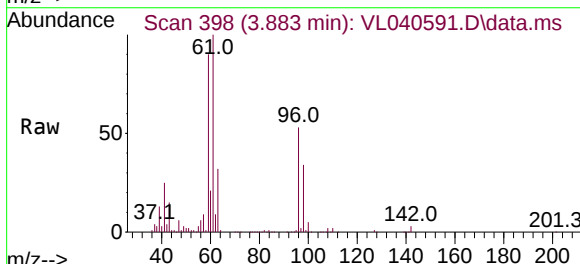
Tgt Ion: 96 Resp: 638657

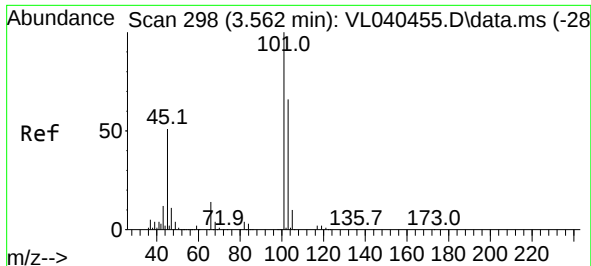
Ion Ratio Lower Upper

96 100

61 188.4 154.4 231.6

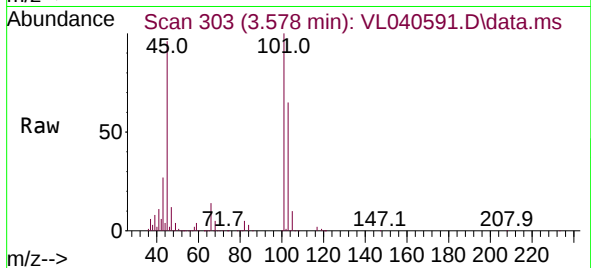
98 64.4 50.0 75.0





#19  
Isopropyl Alcohol  
Concen: 9.750 ppbv  
RT: 3.578 min Scan# 303  
Delta R.T. -0.003 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

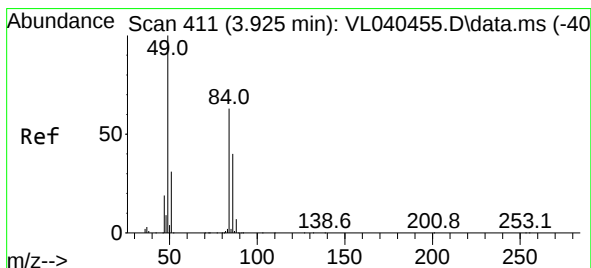
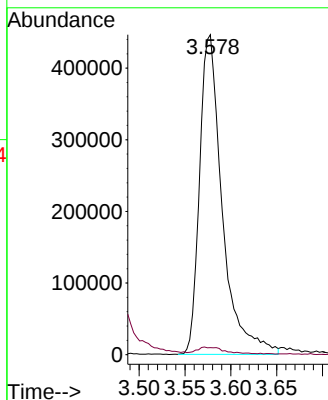
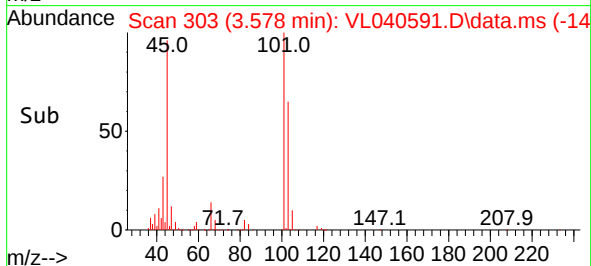
Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010



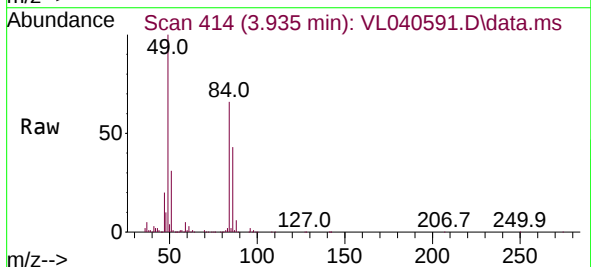
Tgt Ion: 45 Resp: 770059  
Ion Ratio Lower Upper  
45 100  
58 2.8 1.1 1.7

Manual Integrations  
APPROVED

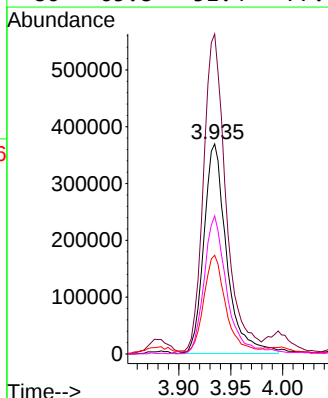
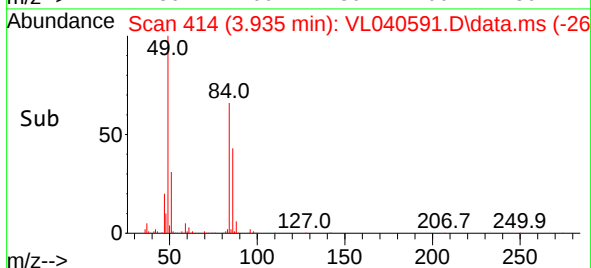
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

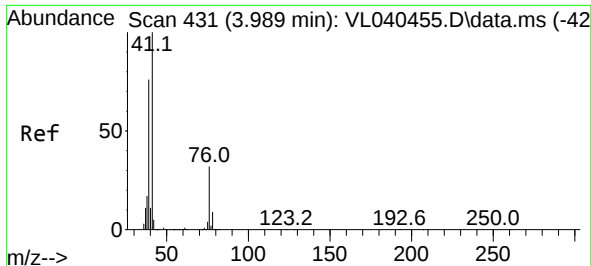


#20  
Methylene Chloride  
Concen: 9.615 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



Tgt Ion: 84 Resp: 562683  
Ion Ratio Lower Upper  
84 100  
49 151.3 123.4 185.2  
51 45.8 38.3 57.5  
86 65.8 51.4 77.0





#21

Allyl Chloride

Concen: 9.416 ppbv

RT: 3.999 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 739840

Ion Ratio Lower Upper

41 100

76 32.8 24.8 37.2

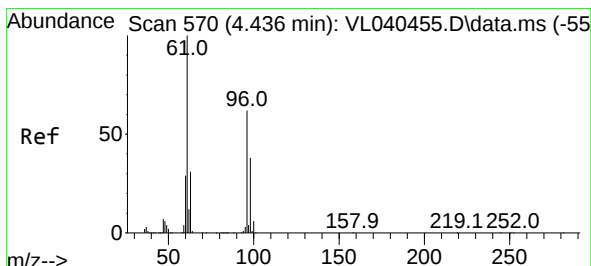
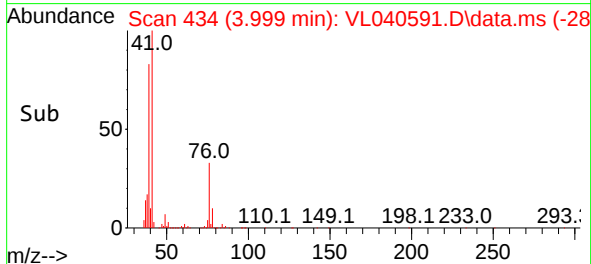
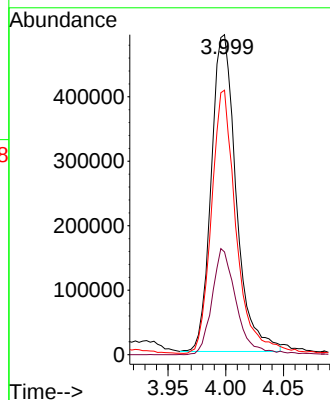
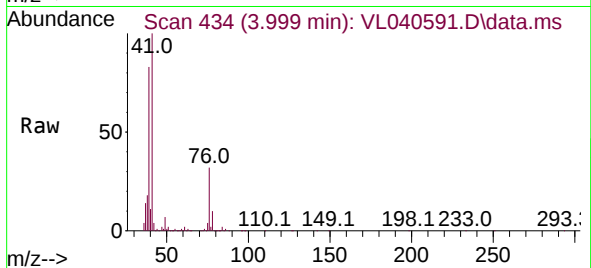
39 83.0 60.6 91.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#22

trans-1,2-Dichloroethene

Concen: 10.339 ppbv

RT: 4.446 min Scan# 573

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

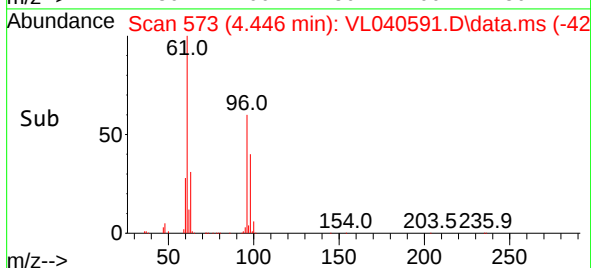
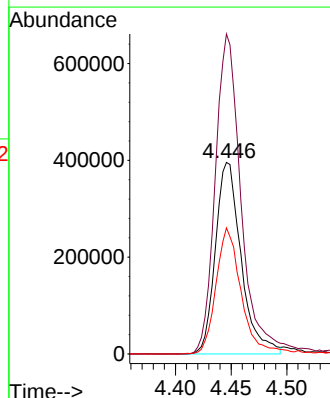
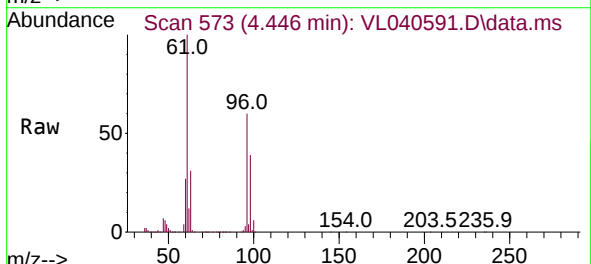
Tgt Ion: 96 Resp: 637148

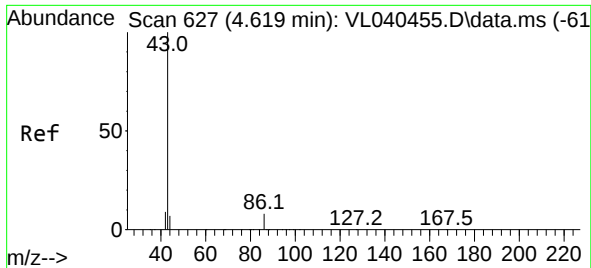
Ion Ratio Lower Upper

96 100

61 167.1 137.7 206.5

98 65.9 52.9 79.3





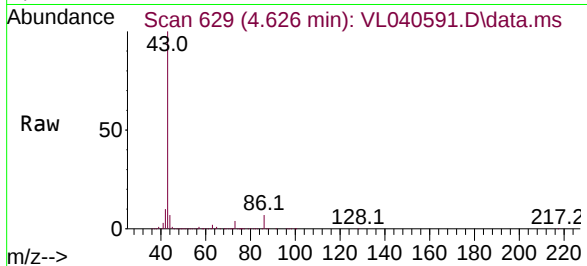
#23  
 Vinyl Acetate  
 Concen: 10.684 ppbv  
 RT: 4.626 min Scan# 610  
 Delta R.T. -0.010 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

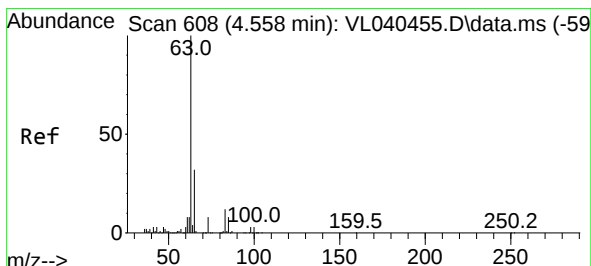
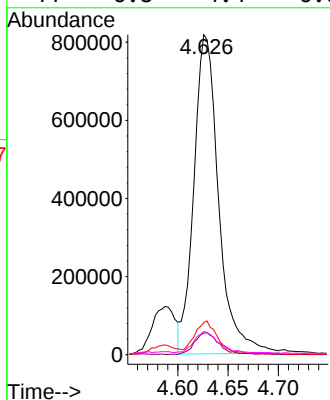
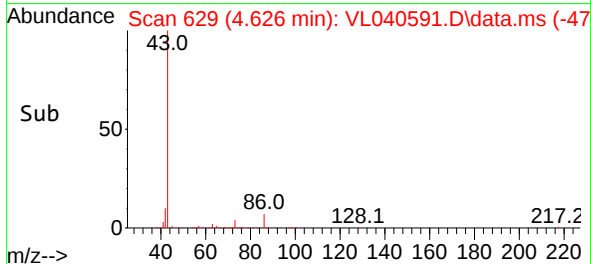


Tgt Ion: 43 Resp: 1400368  
 Ion Ratio Lower Upper  
 43 100  
 86 6.8 5.6 8.4  
 42 9.9 7.4 11.2  
 44 6.8 4.4 6.6#

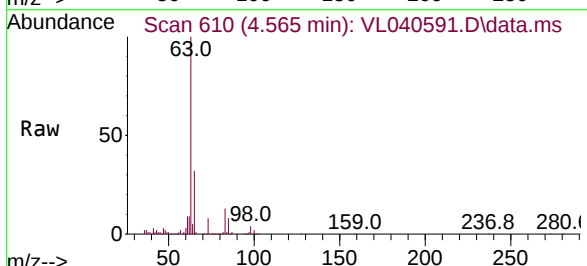
Manual Integrations

APPROVED

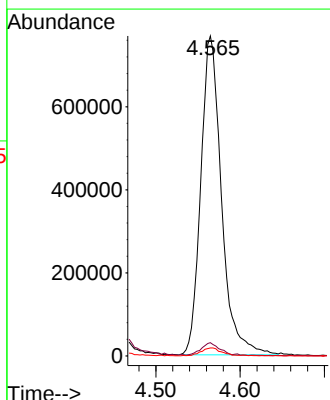
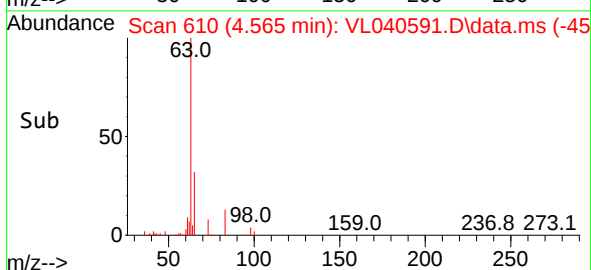
Reviewed By :Semsettin Yesilyurt 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023

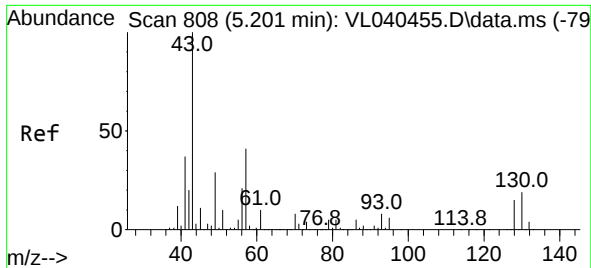


#24  
 1,1-Dichloroethane  
 Concen: 9.875 ppbv  
 RT: 4.565 min Scan# 610  
 Delta R.T. -0.007 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04



Tgt Ion: 63 Resp: 1313863  
 Ion Ratio Lower Upper  
 63 100  
 98 4.0 1.8 5.5  
 100 2.4 1.4 4.0





#25

Ethyl Acetate

Concen: 9.196 ppbv

RT: 5.205 min Scan# 80

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2408769

Ion Ratio Lower Upper

43 100

45 10.2 8.2 12.4

61 10.2 8.3 12.5

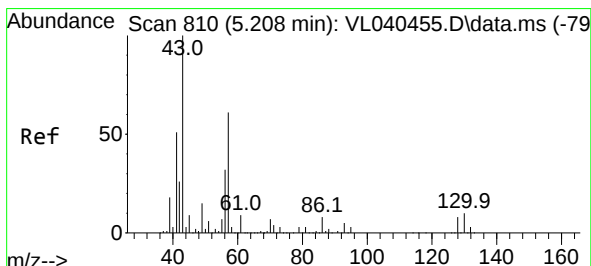
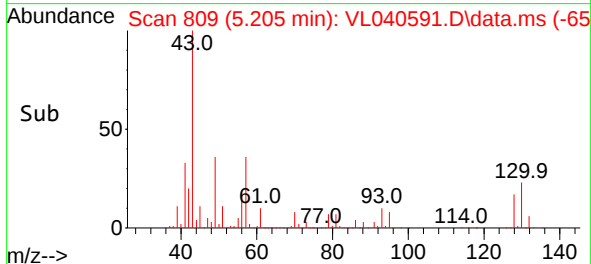
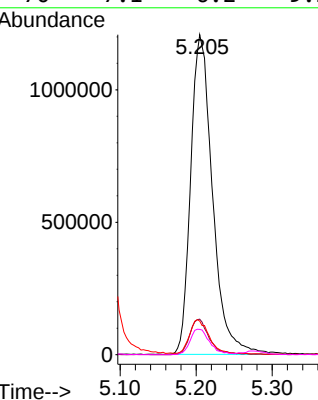
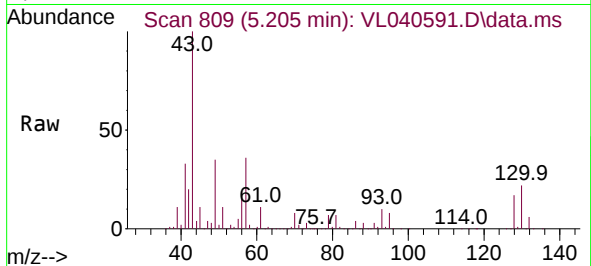
70 7.1 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#26

Hexane

Concen: 8.756 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Tgt Ion: 57 Resp: 1065467

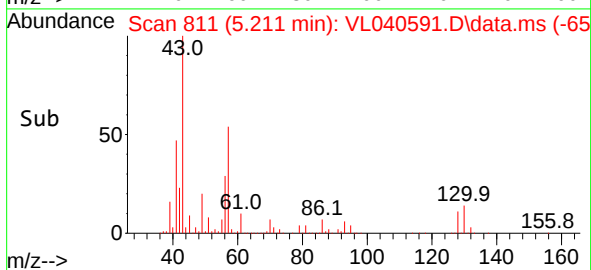
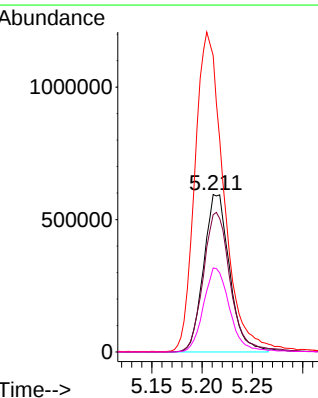
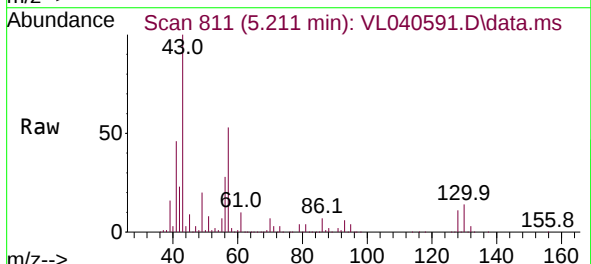
Ion Ratio Lower Upper

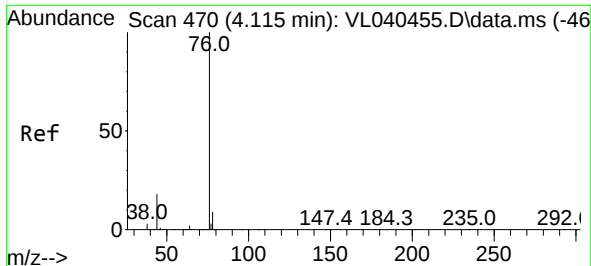
57 100

41 93.6 69.5 104.3

43 228.4 177.1 265.7

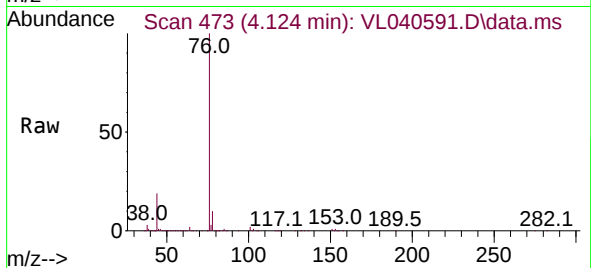
56 54.4 42.3 63.5





#27  
Carbon Disulfide  
Concen: 11.225 ppbv  
RT: 4.124 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

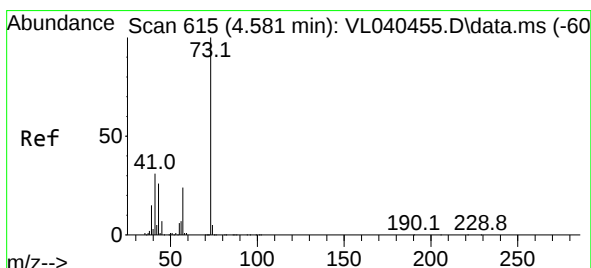
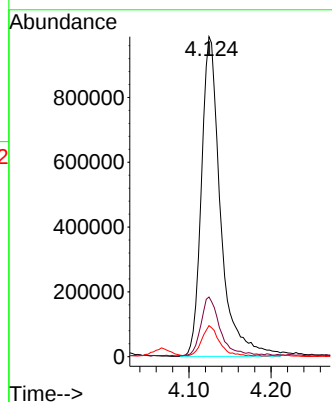
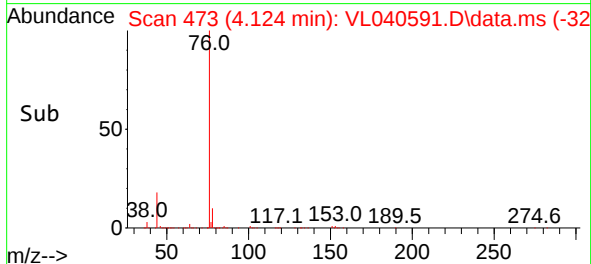
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



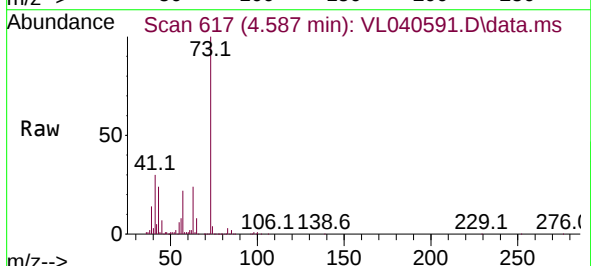
Tgt Ion: 76 Resp: 160670  
Ion Ratio Lower Upper  
76 100  
44 18.6 15.1 22.7  
78 9.4 7.5 11.3

Manual Integrations  
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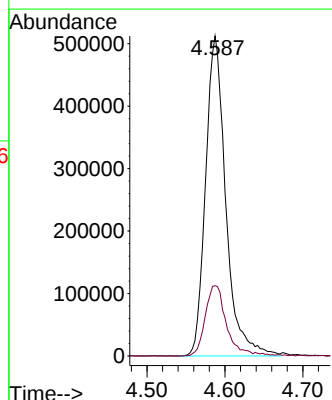
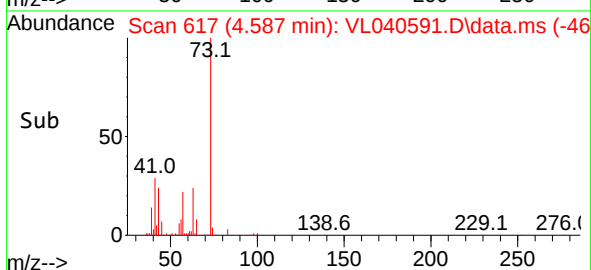
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

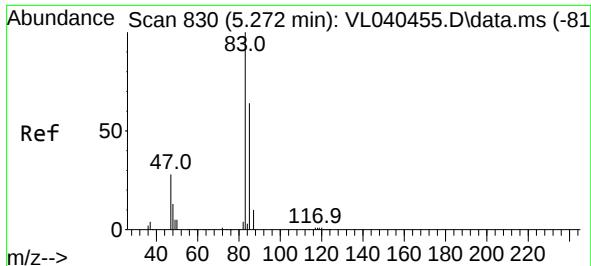


#28  
Methyl tert-Butyl Ether  
Concen: 9.420 ppbv  
RT: 4.587 min Scan# 617  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



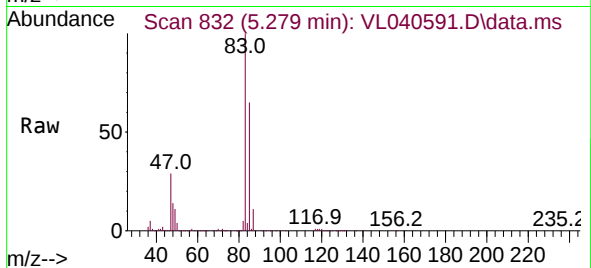
Tgt Ion: 73 Resp: 922787  
Ion Ratio Lower Upper  
73 100  
57 23.5 18.8 28.2





#29  
Chloroform  
Concen: 9.387 ppbv  
RT: 5.279 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

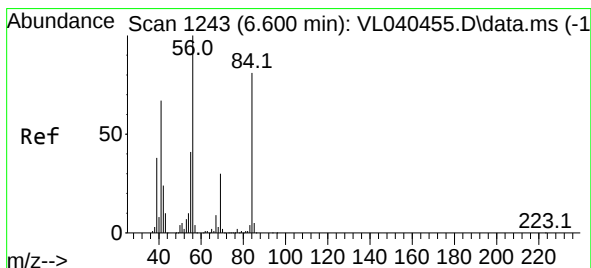
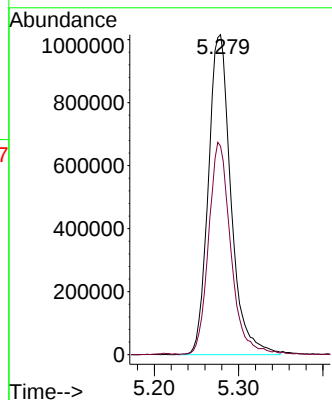
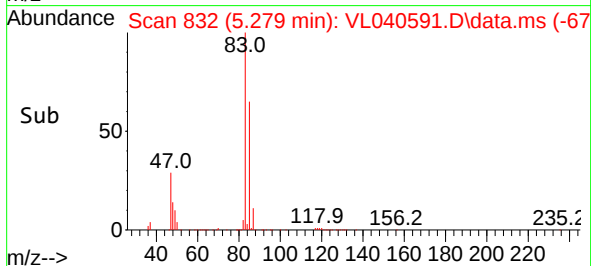
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 83 Resp: 189456  
Ion Ratio Lower Upper  
83 100  
85 65.0 51.1 76.7

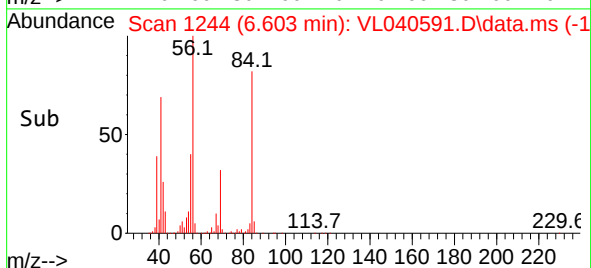
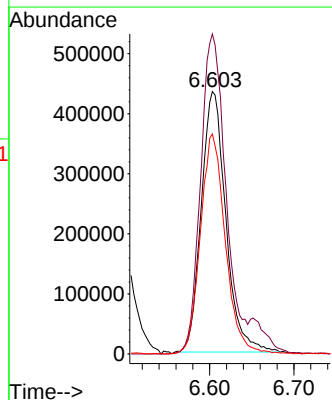
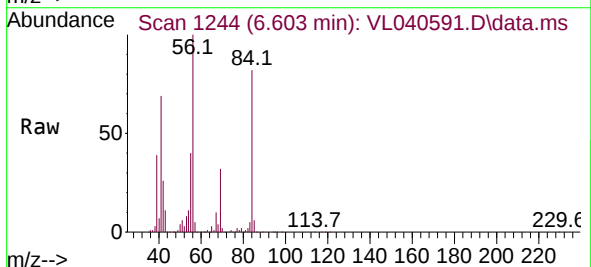
Manual Integrations  
APPROVED

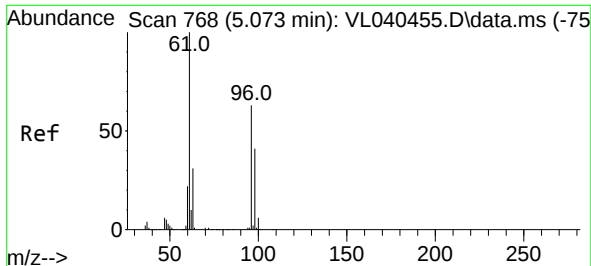
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#30  
Cyclohexane  
Concen: 8.713 ppbv  
RT: 6.603 min Scan# 1244  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

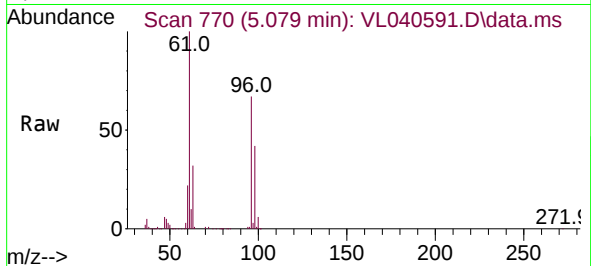
Tgt Ion: 84 Resp: 882269  
Ion Ratio Lower Upper  
84 100  
56 134.9 108.7 163.1  
41 85.2 64.5 96.7





#31  
cis-1,2-Dichloroethene  
Concen: 9.023 ppbv  
RT: 5.079 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

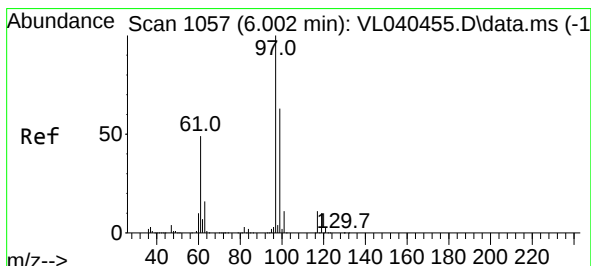
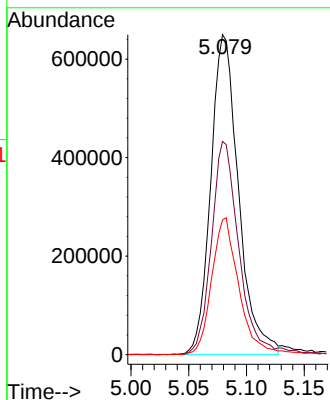
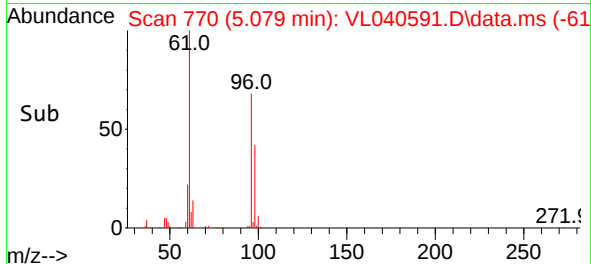
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 61 Resp: 108524  
Ion Ratio Lower Upper  
61 100  
96 66.6 54.7 82.1  
98 42.1 34.6 52.0

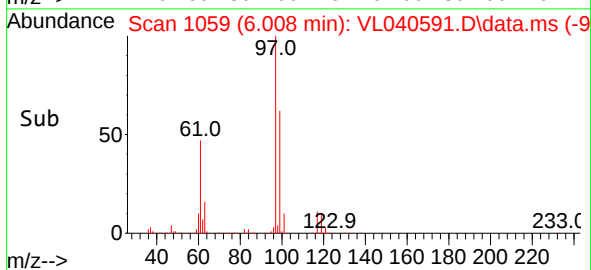
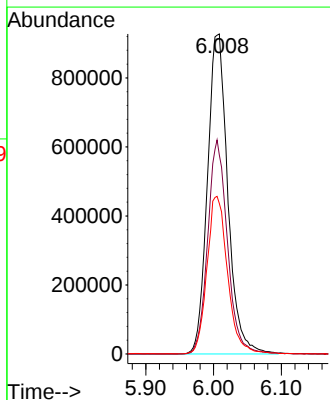
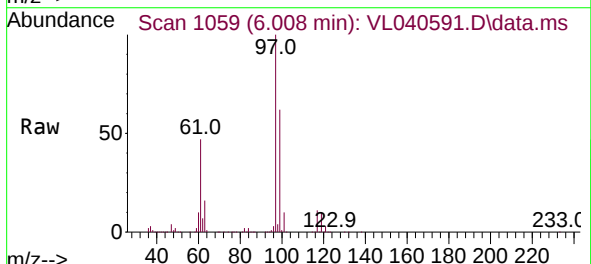
Manual Integrations  
APPROVED

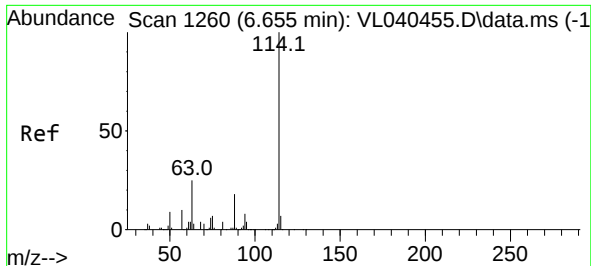
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#32  
1,1,1-Trichloroethane  
Concen: 9.805 ppbv  
RT: 6.008 min Scan# 1059  
Delta R.T. -0.003 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 97 Resp: 1936283  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.0 78.0  
61 50.0 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL040591.D

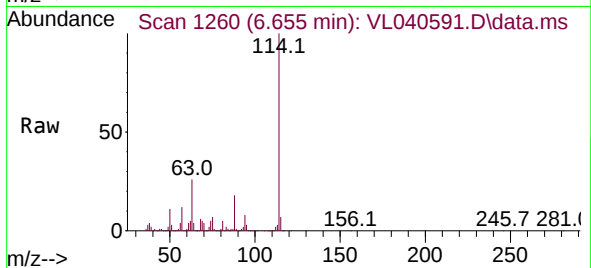
Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



Tgt Ion:114 Resp: 2939992

Ion Ratio Lower Upper

114 100

63 26.7 19.6 29.4

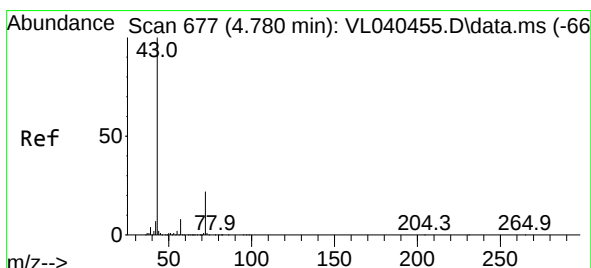
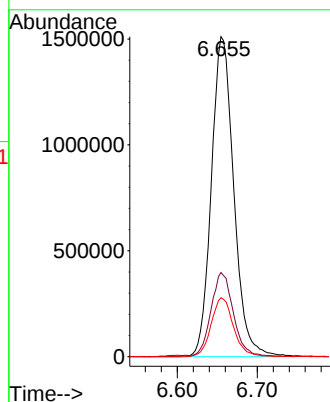
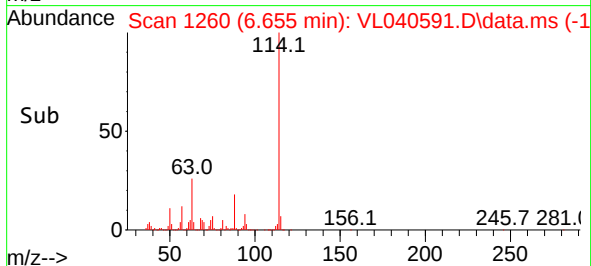
88 18.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#34

2-Butanone

Concen: 9.799 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.007 min

Lab File: VL040591.D

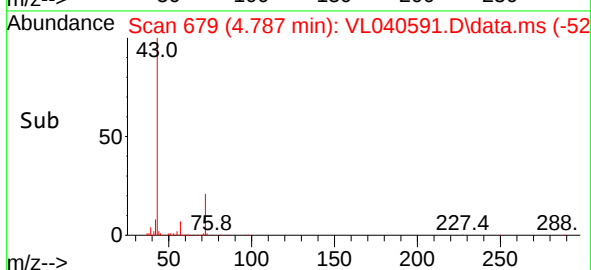
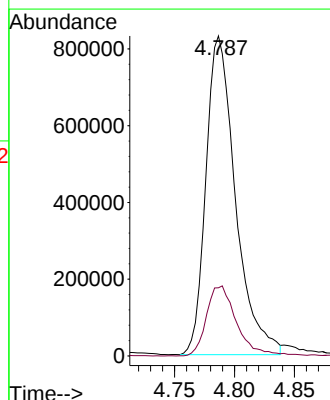
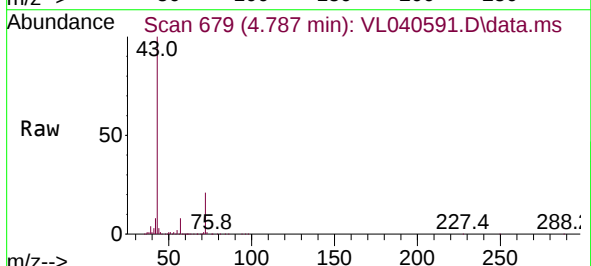
Acq: 7 Aug 2023 9:04

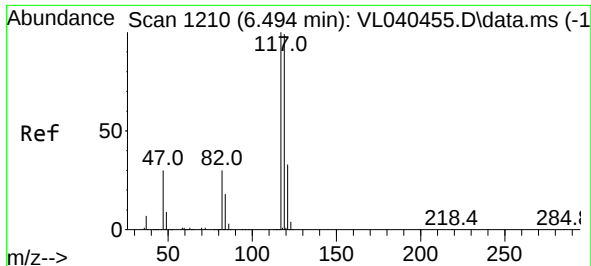
Tgt Ion: 43 Resp: 1423595

Ion Ratio Lower Upper

43 100

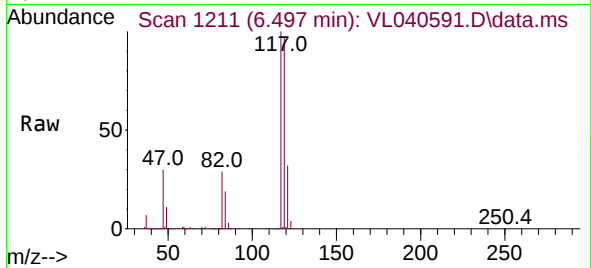
72 22.8 19.1 28.7





#35  
Carbon Tetrachloride  
Concen: 11.242 ppbv  
RT: 6.497 min Scan# 1170  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

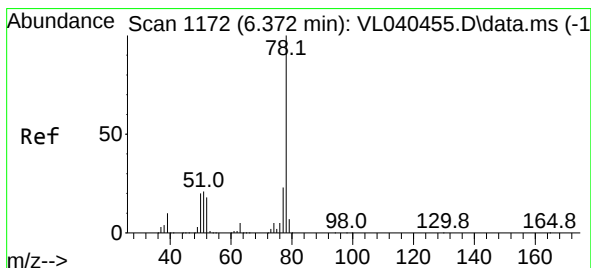
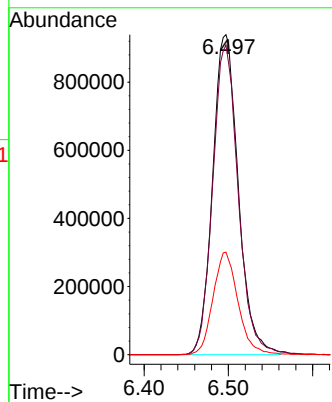
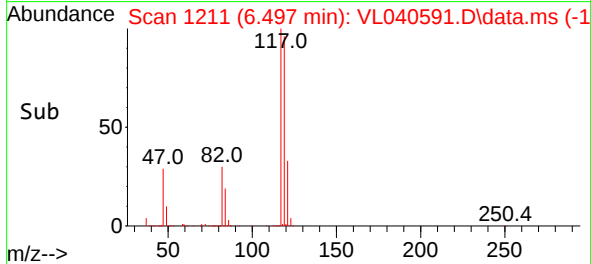
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 117 Resp: 1989014  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.8 116.6  
121 32.1 24.8 37.2

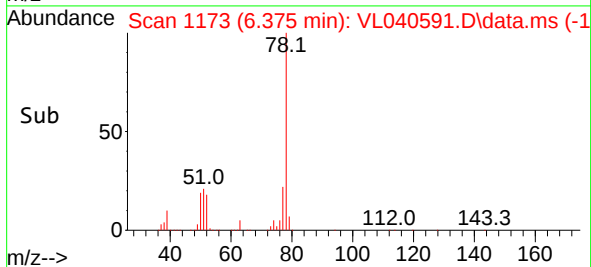
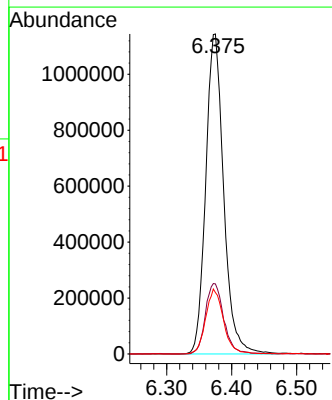
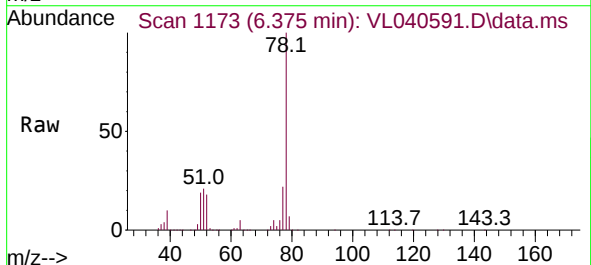
Manual Integrations  
APPROVED

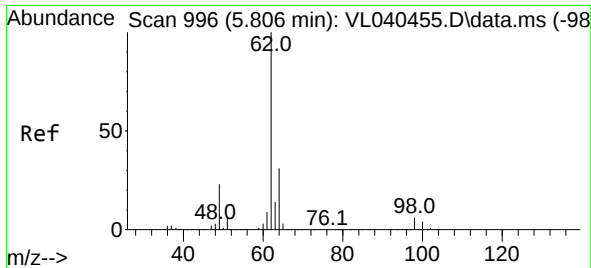
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#36  
Benzene  
Concen: 9.296 ppbv  
RT: 6.375 min Scan# 1173  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 78 Resp: 2199100  
Ion Ratio Lower Upper  
78 100  
77 21.9 17.4 26.0  
50 19.2 14.4 21.6





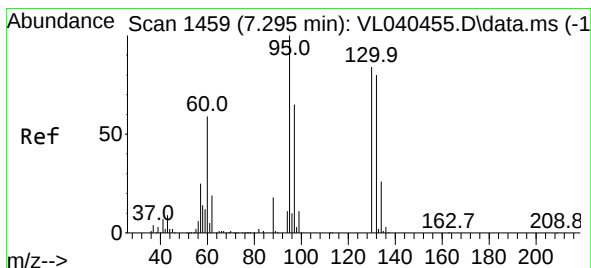
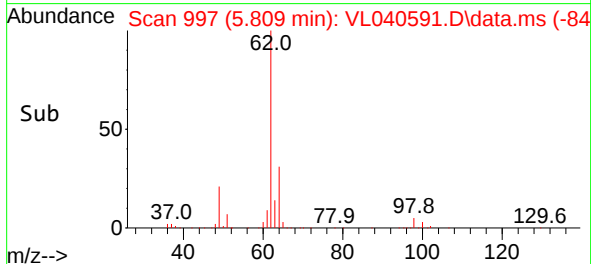
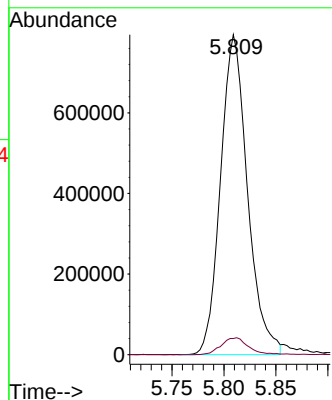
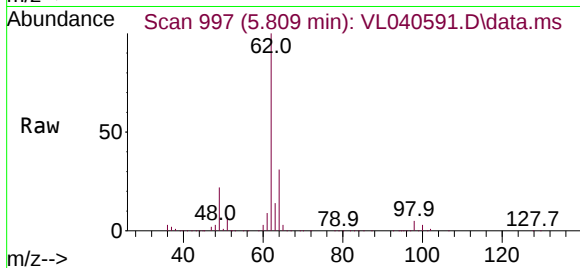
#37  
1,2-Dichloroethane  
Concen: 10.302 ppbv  
RT: 5.809 min Scan# 996  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 62 Resp: 143371  
Ion Ratio Lower Upper  
62 100  
98 5.5 5.1 7.7

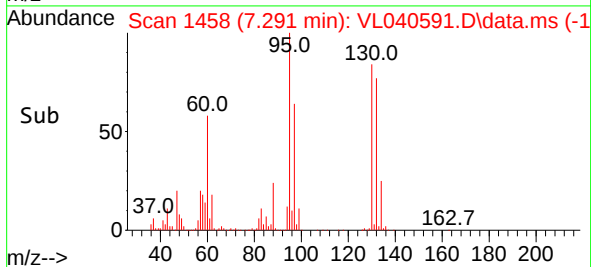
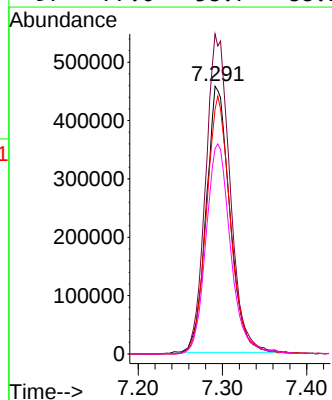
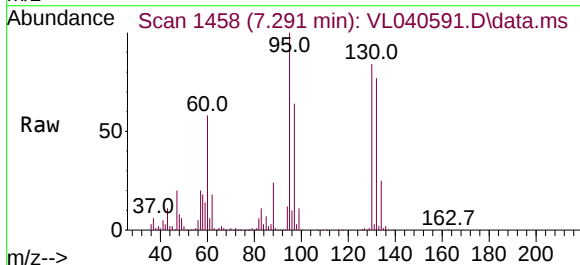
Manual Integrations  
APPROVED

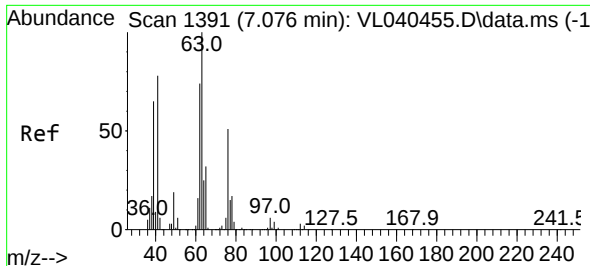
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#38  
Trichloroethene  
Concen: 9.933 ppbv  
RT: 7.291 min Scan# 1458  
Delta R.T. -0.013 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion:130 Resp: 888816  
Ion Ratio Lower Upper  
130 100  
95 120.0 90.2 135.2  
132 91.9 76.3 114.5  
97 77.0 58.7 88.1





#39

1,2-Dichloropropane

Concen: 9.412 ppbv

RT: 7.079 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 857092

Ion Ratio Lower Upper

63 100

41 73.4 54.3 81.5

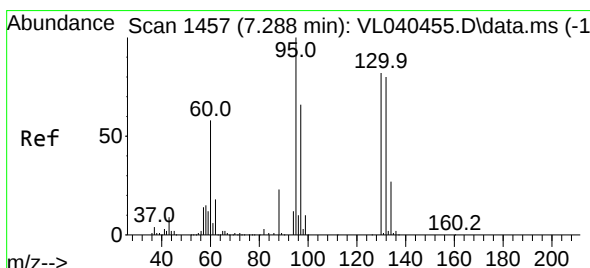
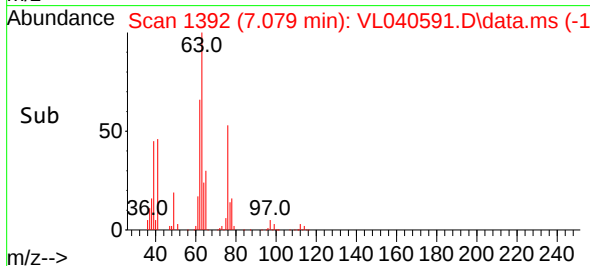
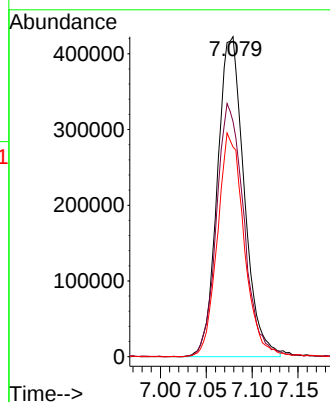
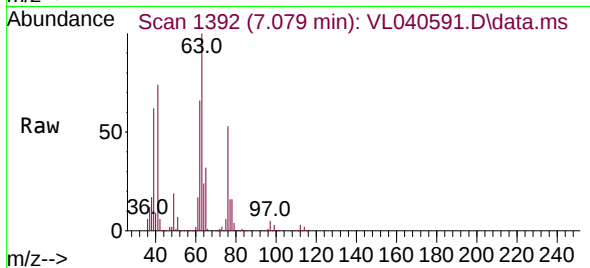
62 65.5 55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#40

1,4-Dioxane

Concen: 10.331 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.013 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Tgt Ion: 88 Resp: 294259

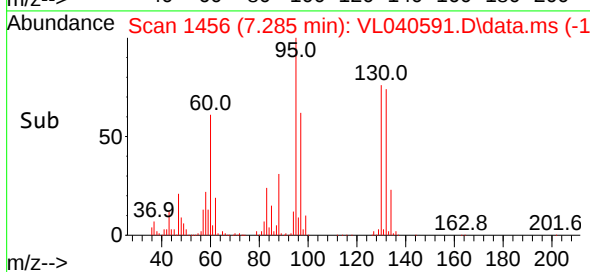
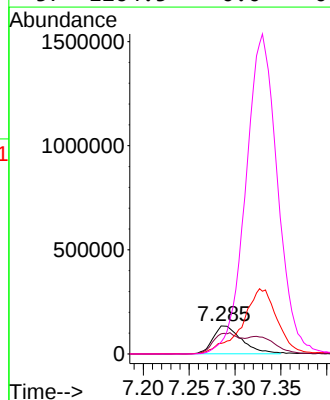
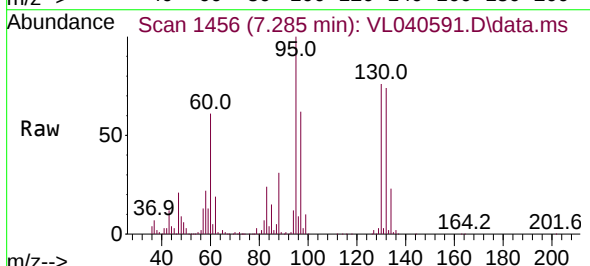
Ion Ratio Lower Upper

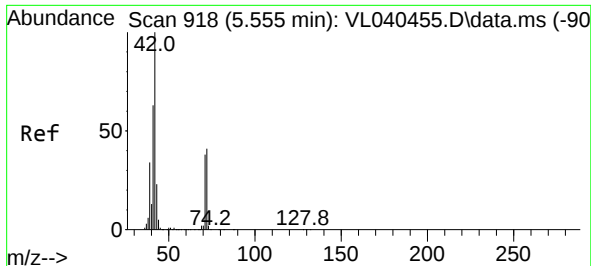
88 100

58 132.7 58.6 88.0#

43 285.6 0.0 0.0#

57 1264.5 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.440 ppbv

RT: 5.555 min Scan# 918

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 42 Resp: 80030

Ion Ratio Lower Upper

42 100

72 40.7 33.8 50.8

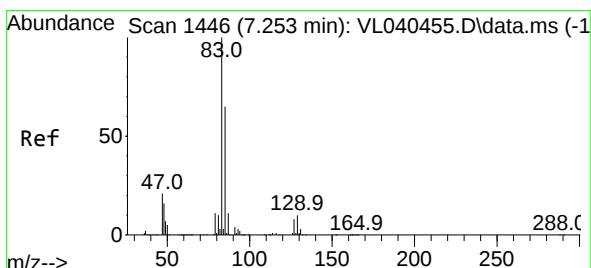
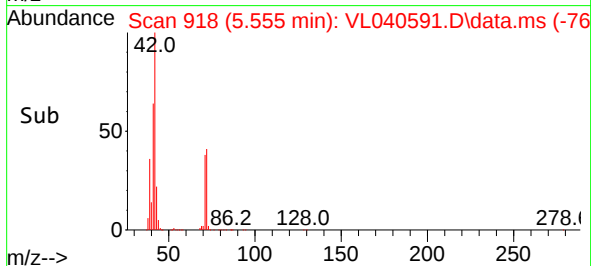
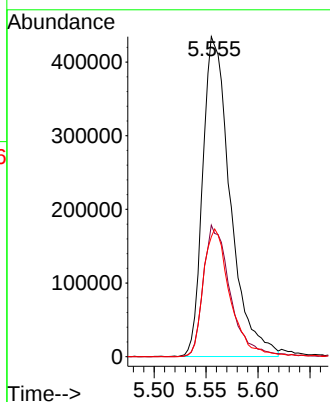
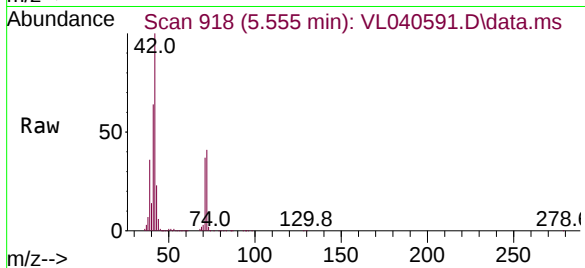
71 39.5 33.0 49.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#42

Bromodichloromethane

Concen: 10.732 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

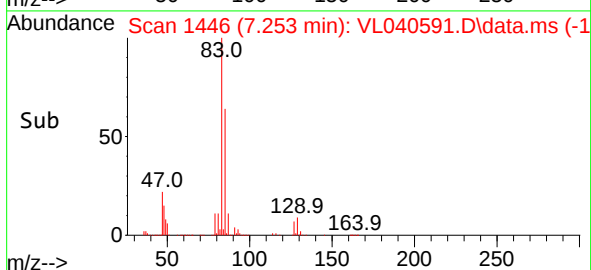
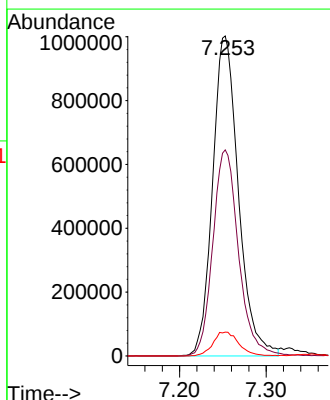
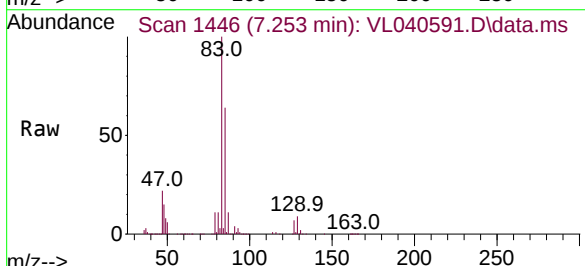
Tgt Ion: 83 Resp: 2077237

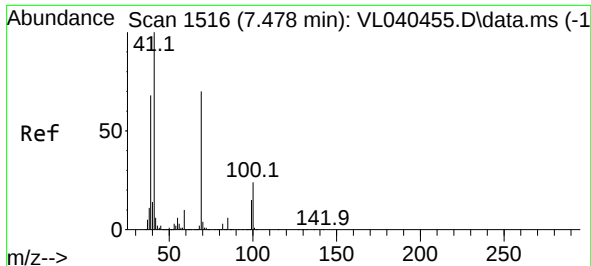
Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7

127 7.5 6.5 9.7





#43  
Methyl Methacrylate  
Concen: 10.338 ppbv  
RT: 7.478 min Scan# 1516  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

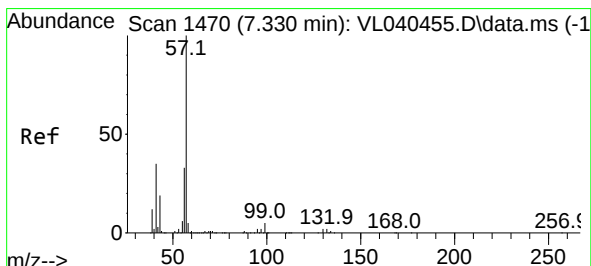
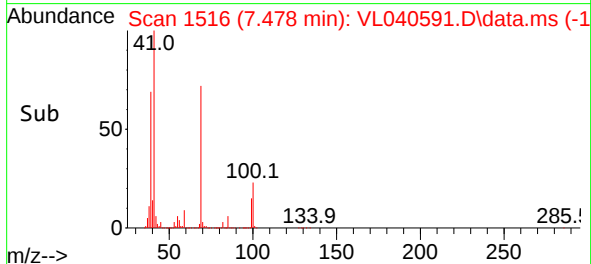
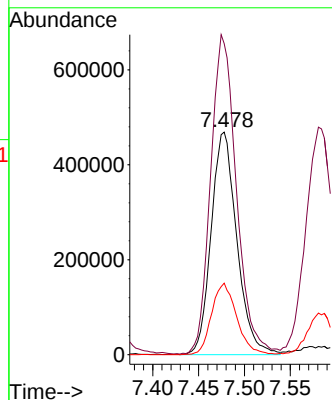
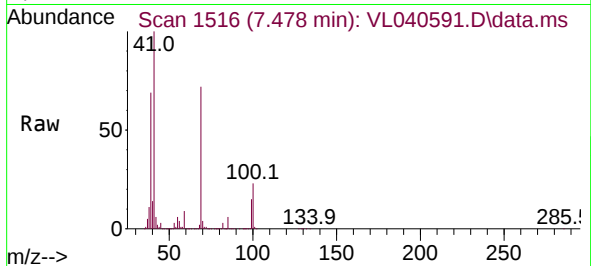
VSTDCCC010

Tgt Ion: 69 Resp: 915358  
Ion Ratio Lower Upper  
69 100  
41 143.5 111.7 167.5  
100 31.4 26.9 40.3

Manual Integrations

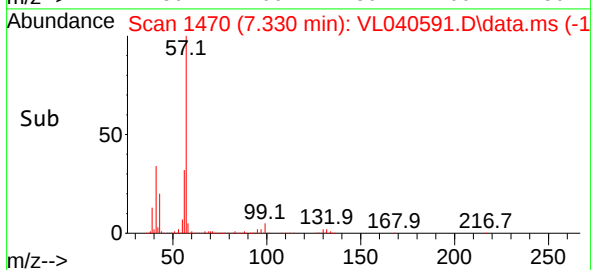
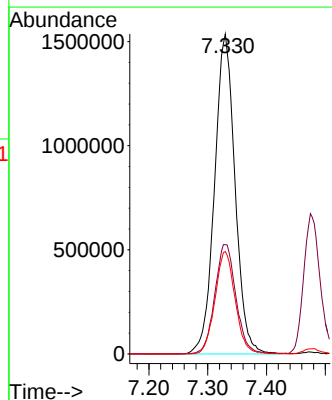
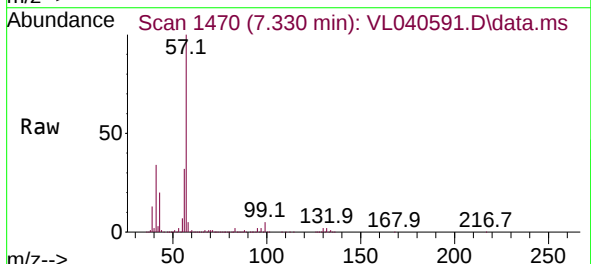
APPROVED

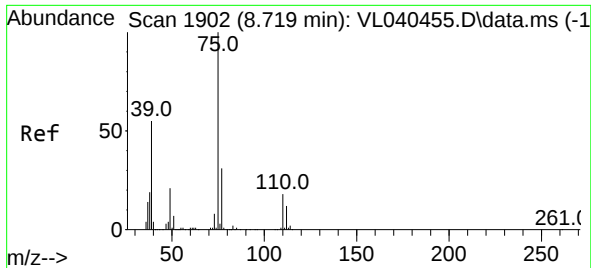
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#44  
2,2,4-Trimethylpentane  
Concen: 9.770 ppbv  
RT: 7.330 min Scan# 1470  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

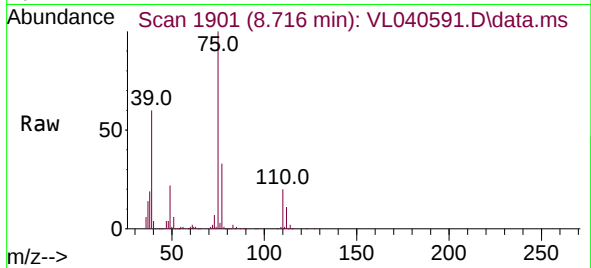
Tgt Ion: 57 Resp: 3718446  
Ion Ratio Lower Upper  
57 100  
41 35.2 25.5 38.3  
56 31.5 25.1 37.7





#45  
t-1,3-Dichloropropene  
Concen: 10.801 ppbv  
RT: 8.716 min Scan# 1902  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

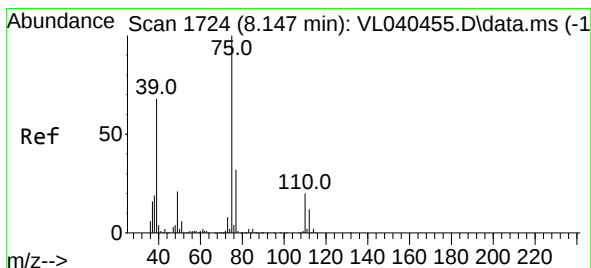
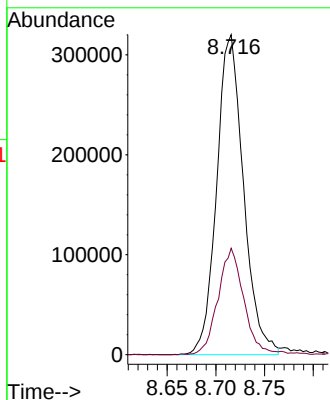
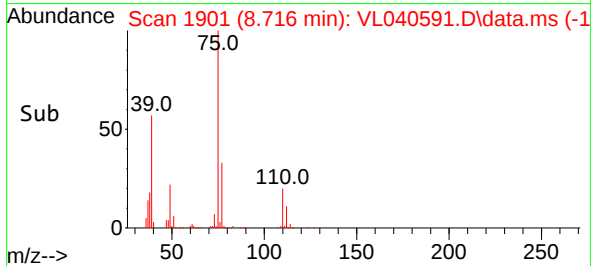
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 75 Resp: 61351  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.0 39.0

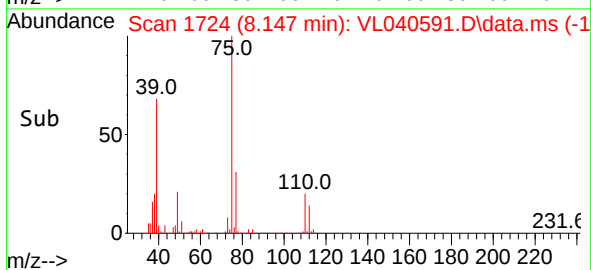
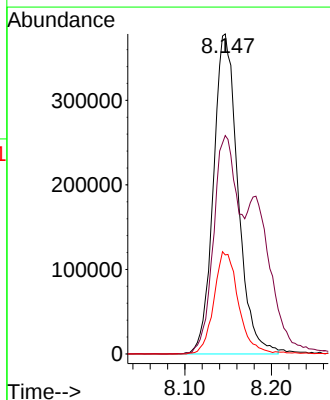
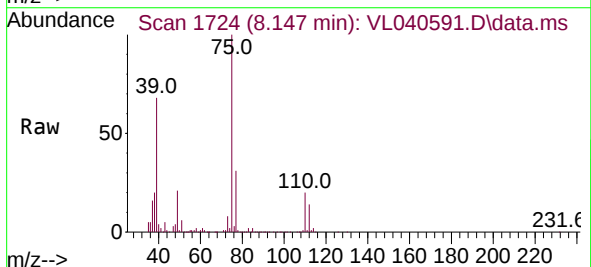
Manual Integrations  
APPROVED

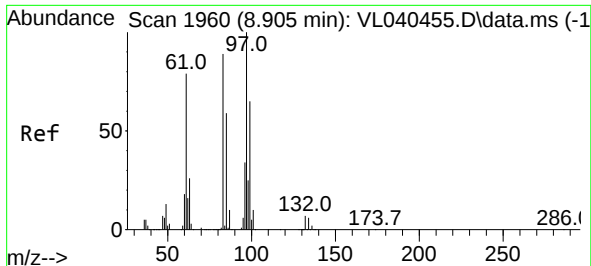
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#46  
cis-1,3-Dichloropropene  
Concen: 10.235 ppbv  
RT: 8.147 min Scan# 1724  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 75 Resp: 745877  
Ion Ratio Lower Upper  
75 100  
39 68.1 48.0 72.0  
77 31.0 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 9.626 ppbv

RT: 8.902 min Scan# 1960

Delta R.T. -0.007 min

Lab File: VL040591.D

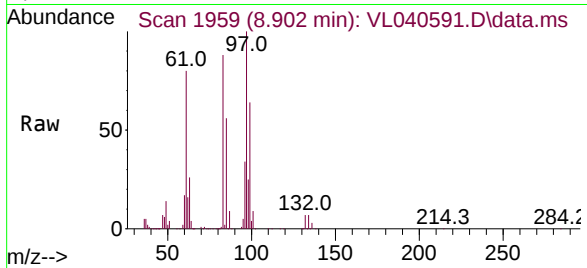
Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



Tgt Ion: 97 Resp: 967194

Ion Ratio Lower Upper

97 100

83 87.7 73.4 110.0

85 55.8 46.6 70.0

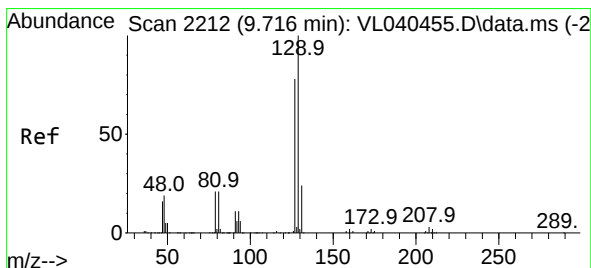
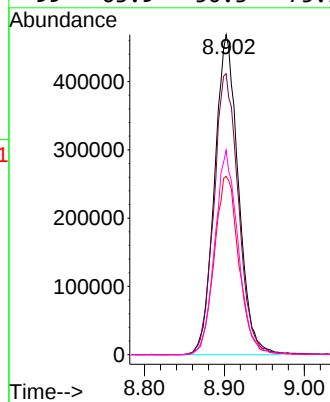
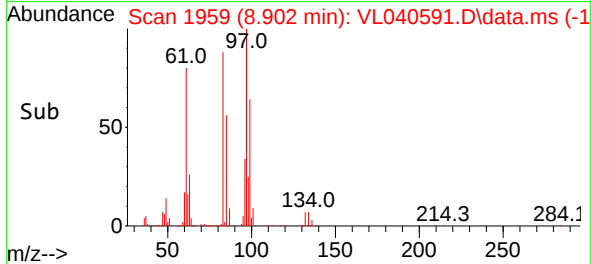
99 63.9 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#48

Dibromochloromethane

Concen: 10.845 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. -0.010 min

Lab File: VL040591.D

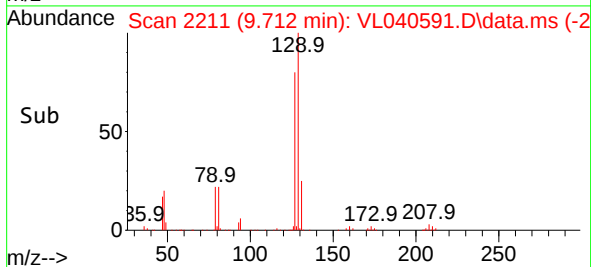
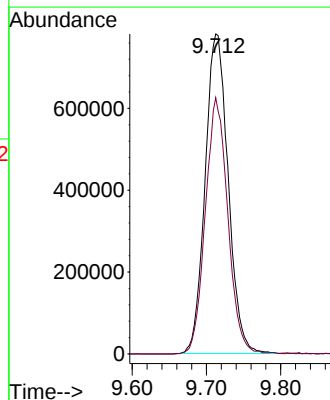
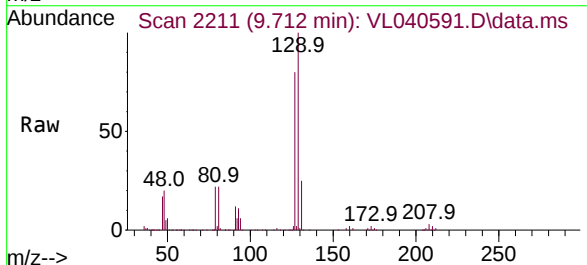
Acq: 7 Aug 2023 9:04

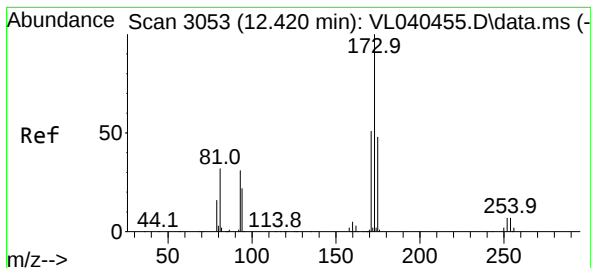
Tgt Ion:129 Resp: 1684664

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3





#49

Bromoform

Concen: 11.327 ppbv

RT: 12.413 min Scan# 3053

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 139496

Ion Ratio Lower Upper

173 100

175 49.1 39.5 59.3

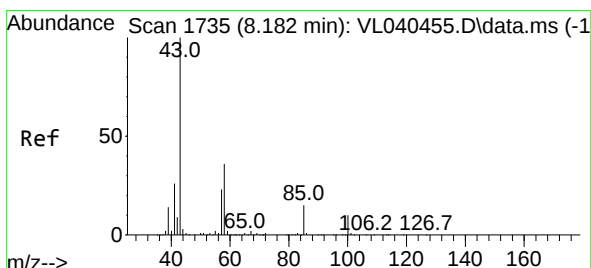
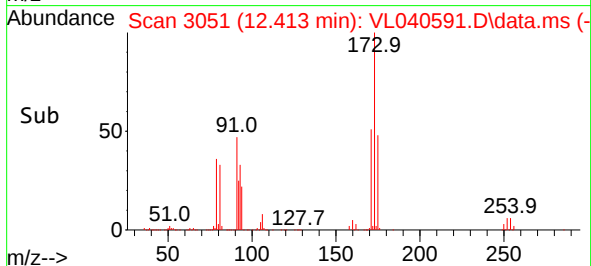
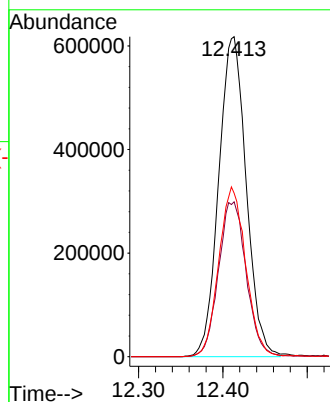
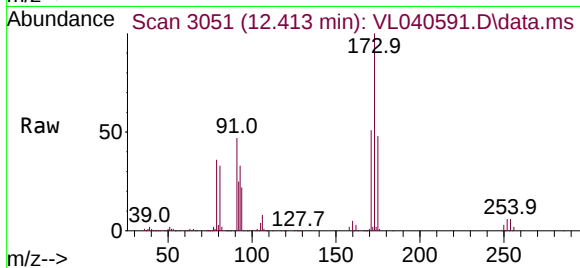
171 52.4 42.2 63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#50

4-Methyl-2-Pentanone

Concen: 10.610 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. -0.007 min

Lab File: VL040591.D

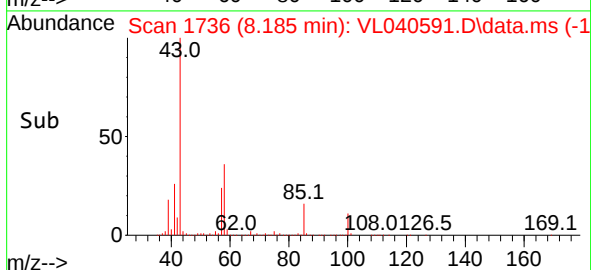
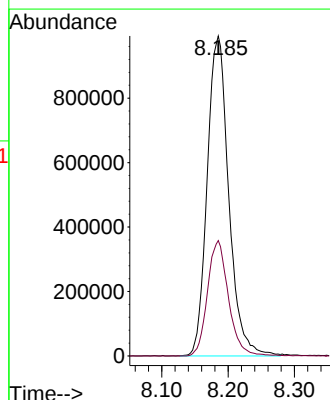
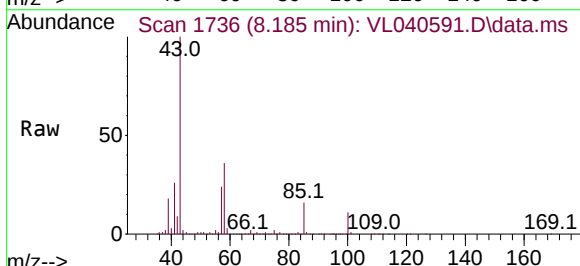
Acq: 7 Aug 2023 9:04

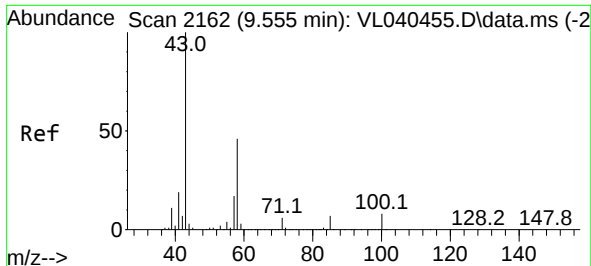
Tgt Ion: 43 Resp: 2239546

Ion Ratio Lower Upper

43 100

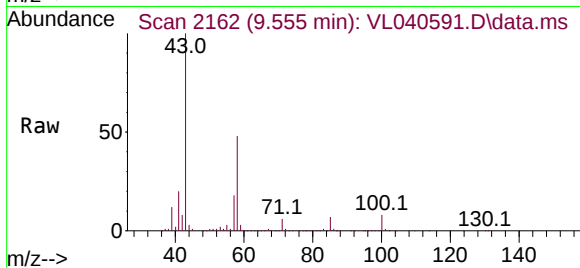
58 35.1 30.2 45.2





#51  
2-Hexanone  
Concen: 10.665 ppbv  
RT: 9.555 min Scan# 2162  
Delta R.T. -0.006 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

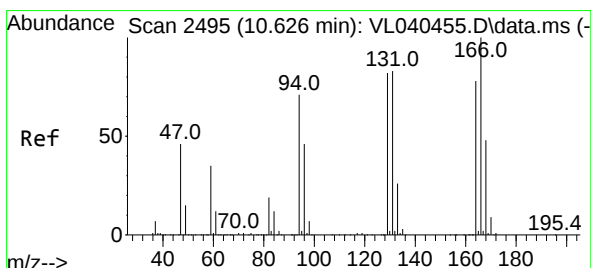
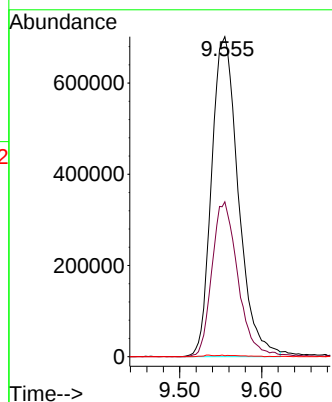
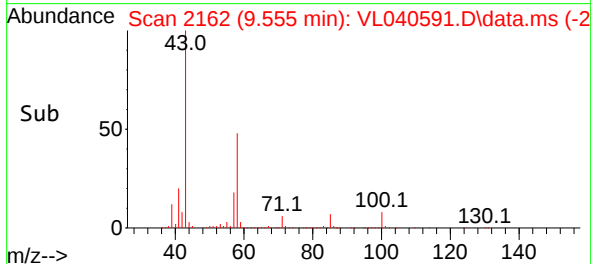
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 43 Resp: 159188  
Ion Ratio Lower Upper  
43 100  
58 47.5 39.7 59.5  
98 0.6 0.3 0.5

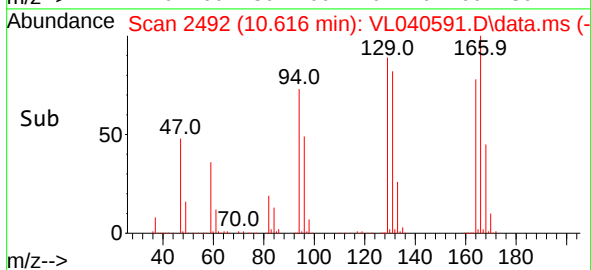
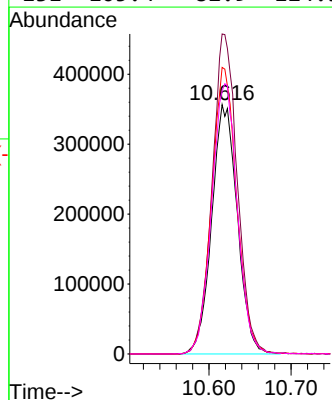
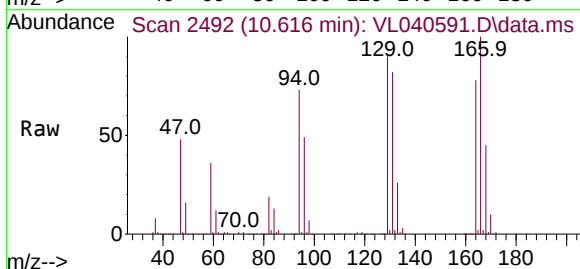
Manual Integrations  
APPROVED

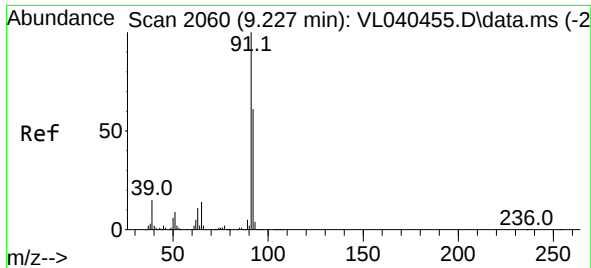
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#52  
Tetrachloroethene  
Concen: 10.092 ppbv  
RT: 10.616 min Scan# 2492  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion:164 Resp: 773117  
Ion Ratio Lower Upper  
164 100  
166 128.4 103.9 155.9  
129 114.9 84.6 126.8  
131 105.4 82.9 124.3





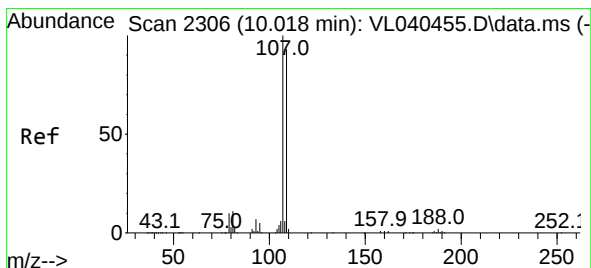
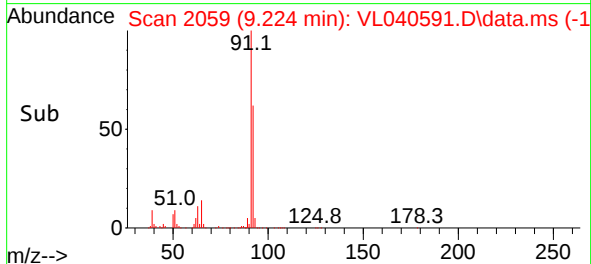
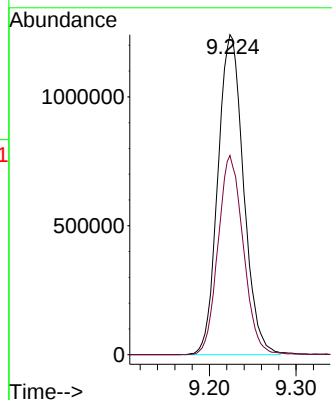
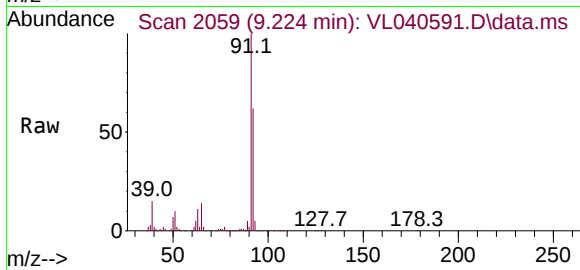
#53  
Toluene  
Concen: 9.943 ppbv  
RT: 9.224 min Scan# 2060  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2554970  
Ion Ratio Lower Upper  
91 100  
92 61.5 49.1 73.7

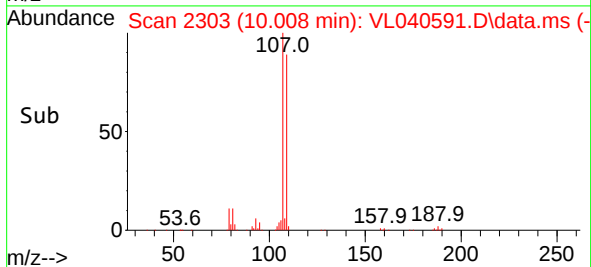
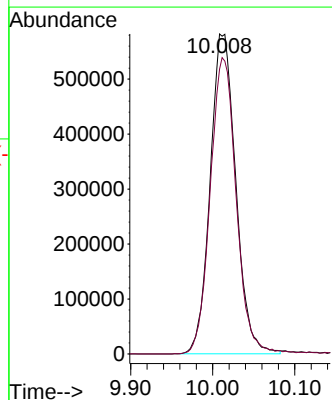
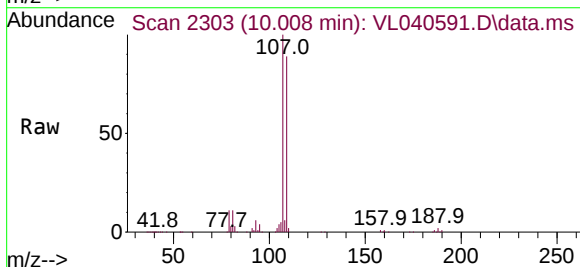
Manual Integrations  
APPROVED

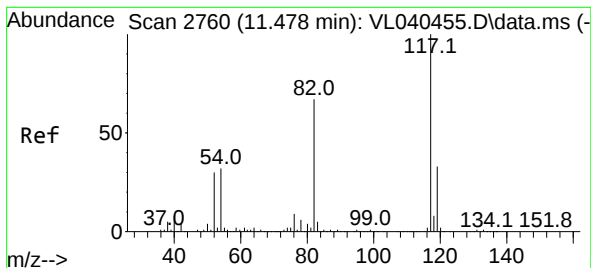
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#54  
1,2-Dibromoethane  
Concen: 10.113 ppbv  
RT: 10.008 min Scan# 2303  
Delta R.T. -0.013 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

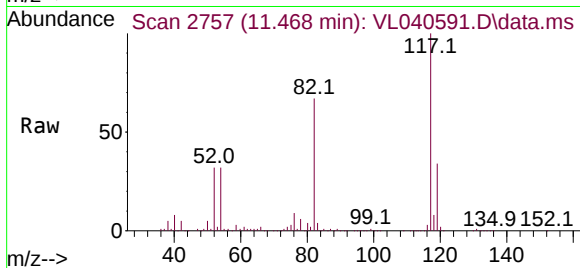
Tgt Ion:107 Resp: 1262949  
Ion Ratio Lower Upper  
107 100  
109 88.9 75.4 113.2





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.468 min Scan# 2760  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

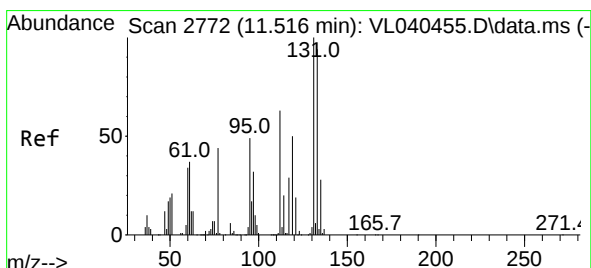
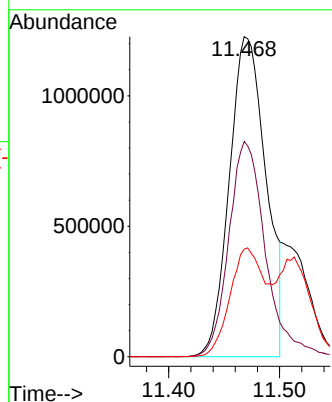
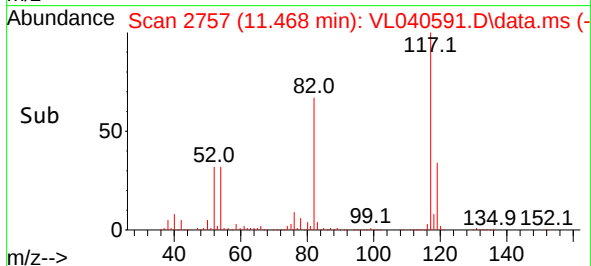
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



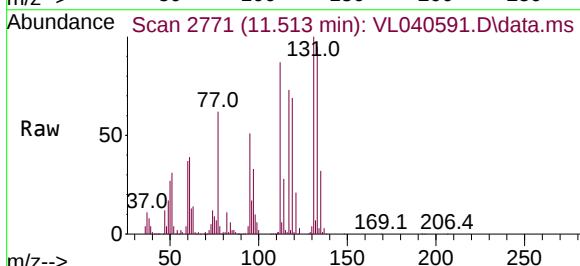
Tgt Ion:117 Resp: 2820610  
Ion Ratio Lower Upper  
117 100  
82 67.7 50.2 75.4  
119 33.2 26.9 40.3

Manual Integrations  
APPROVED

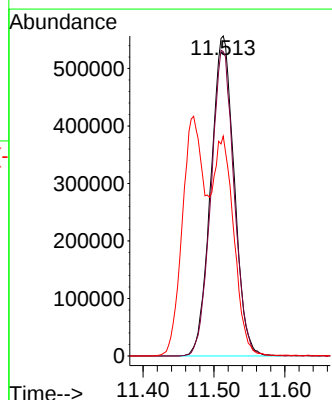
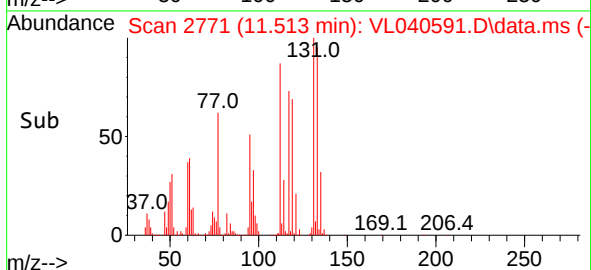
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

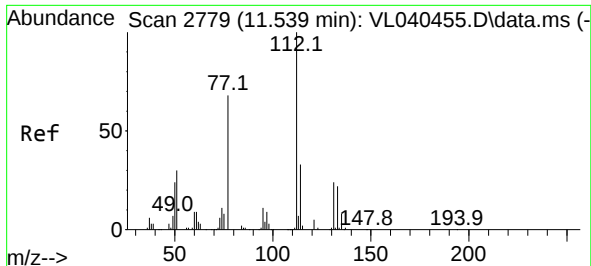


#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.065 ppbv  
RT: 11.513 min Scan# 2771  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



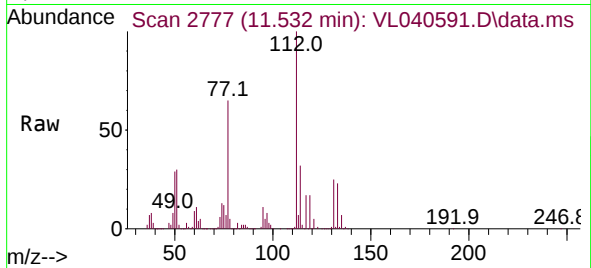
Tgt Ion:131 Resp: 1271394  
Ion Ratio Lower Upper  
131 100  
133 94.9 76.3 114.5  
119 60.8 51.1 76.7





#57  
Chlorobenzene  
Concen: 9.347 ppbv  
RT: 11.532 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

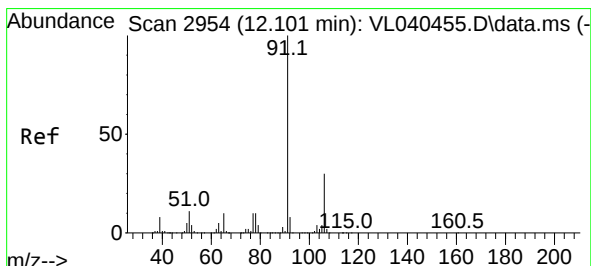
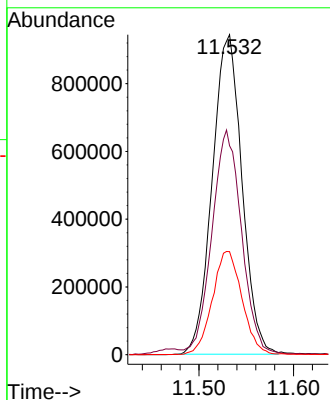
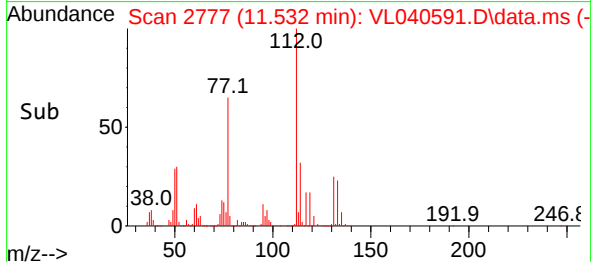
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:112 Resp: 2055964  
Ion Ratio Lower Upper  
112 100  
77 64.7 51.0 76.6  
114 32.2 28.3 34.5

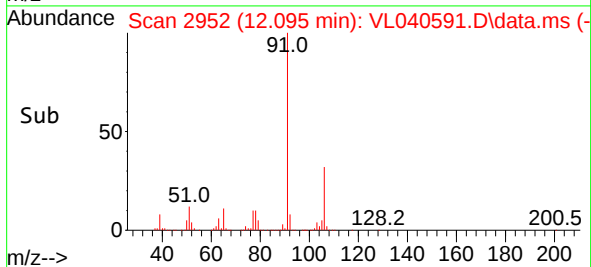
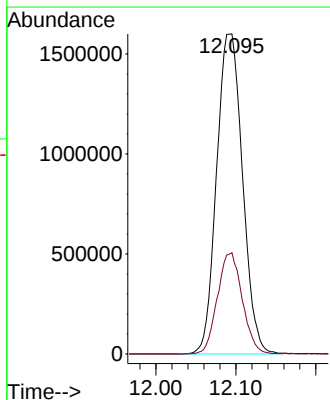
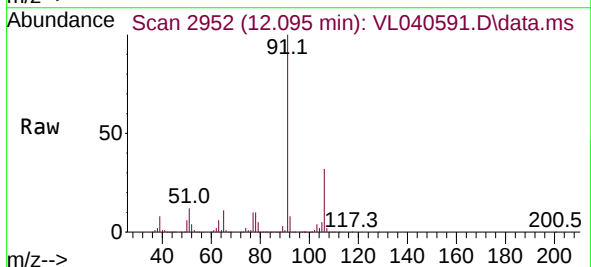
Manual Integrations  
APPROVED

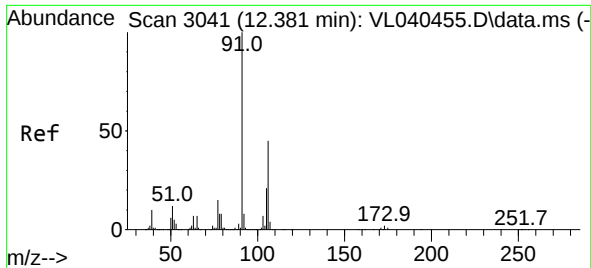
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#58  
Ethyl Benzene  
Concen: 10.177 ppbv  
RT: 12.095 min Scan# 2952  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 91 Resp: 3602373  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.4 38.0





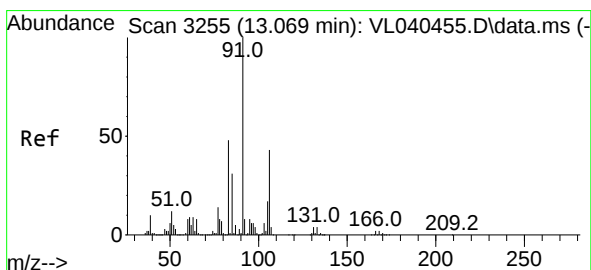
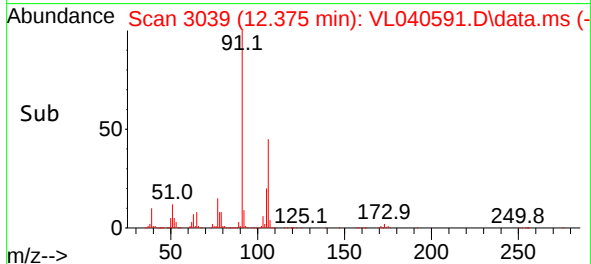
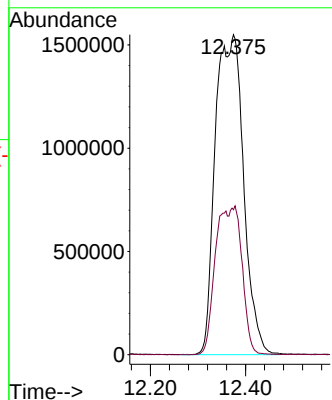
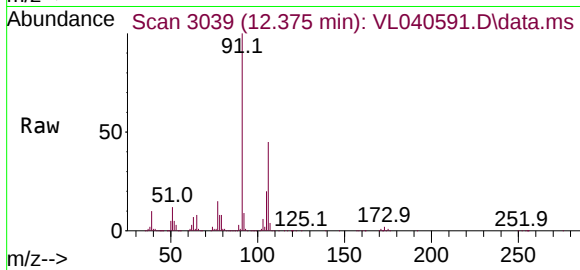
#59  
m/p-Xylene  
Concen: 20.237 ppbv m  
RT: 12.375 min Scan# 3041  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 6393629  
Ion Ratio Lower Upper  
91 100  
106 43.7 35.9 53.9

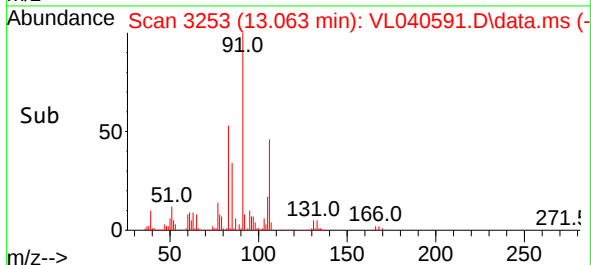
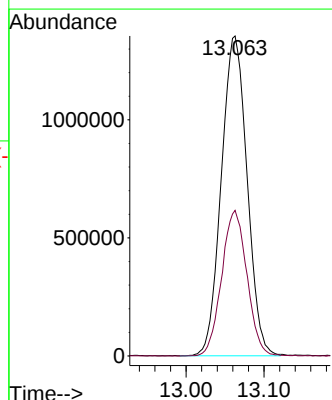
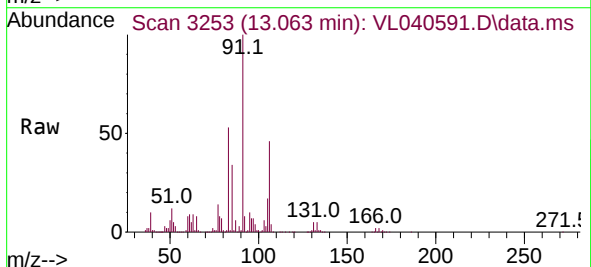
Manual Integrations  
APPROVED

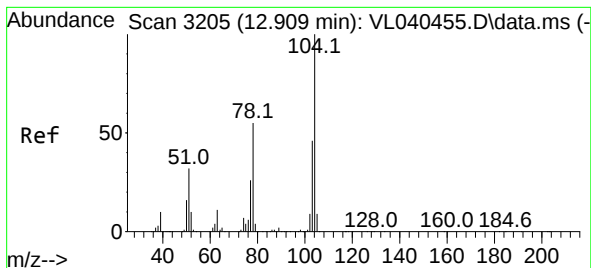
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#60  
o-Xylene  
Concen: 10.320 ppbv  
RT: 13.063 min Scan# 3253  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 91 Resp: 3106087  
Ion Ratio Lower Upper  
91 100  
106 44.9 22.7 68.0





#61

Styrene

Concen: 10.684 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:104 Resp: 1483290

Ion Ratio Lower Upper

104 100

78 54.0 40.1 60.1

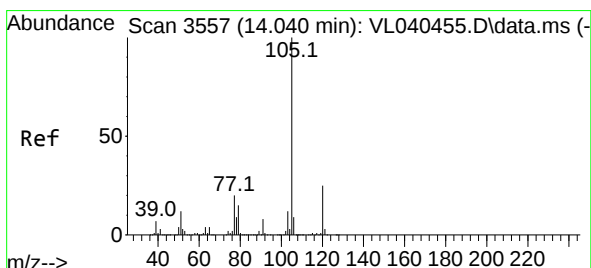
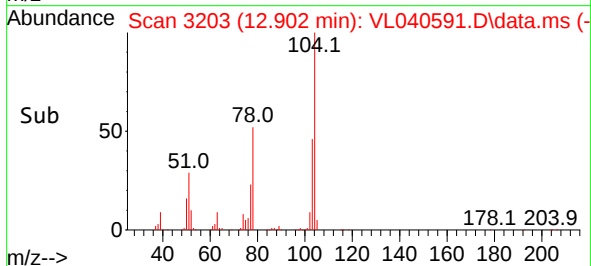
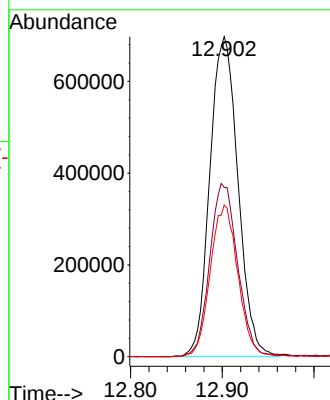
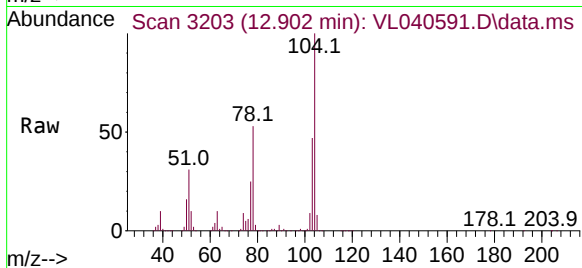
103 46.8 37.0 55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#62

Isopropylbenzene

Concen: 9.925 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.010 min

Lab File: VL040591.D

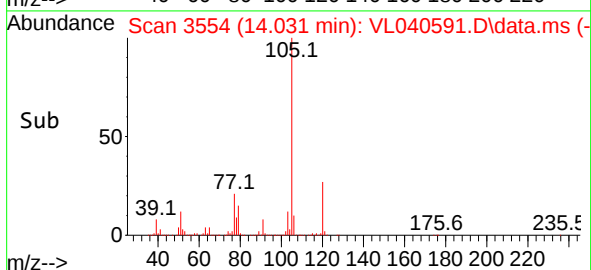
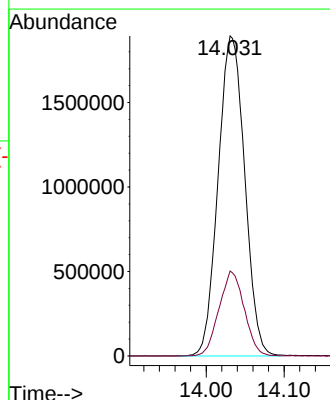
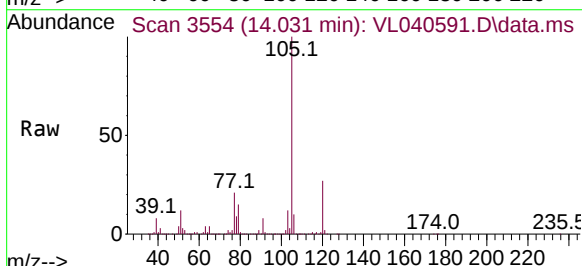
Acq: 7 Aug 2023 9:04

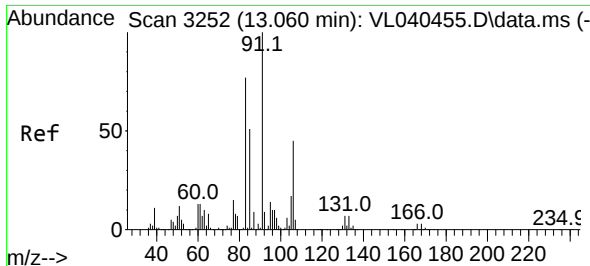
Tgt Ion:105 Resp: 4476855

Ion Ratio Lower Upper

105 100

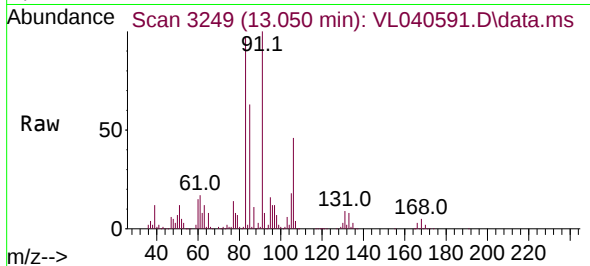
120 25.2 20.8 31.2





#63  
1,1,2,2-Tetrachloroethane  
Concen: 10.630 ppbv  
RT: 13.050 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

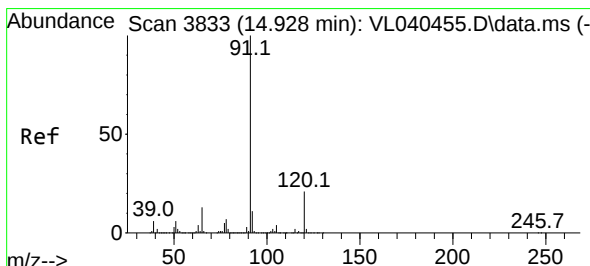
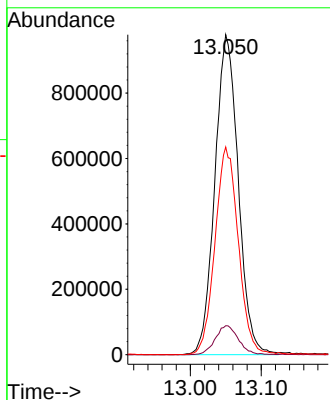
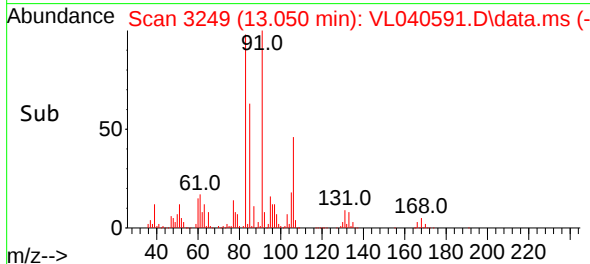
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 83 Resp: 224039  
Ion Ratio Lower Upper  
83 100  
131 9.0 4.6 13.8  
85 65.2 32.8 98.3

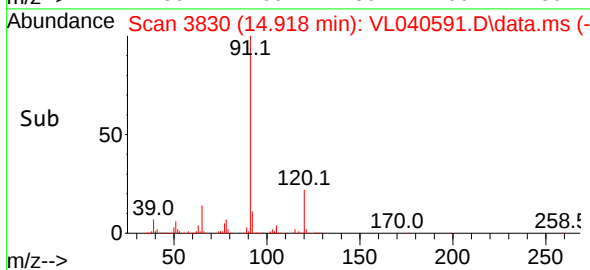
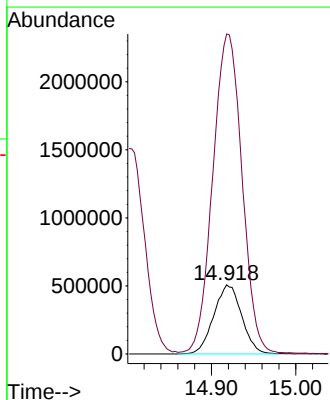
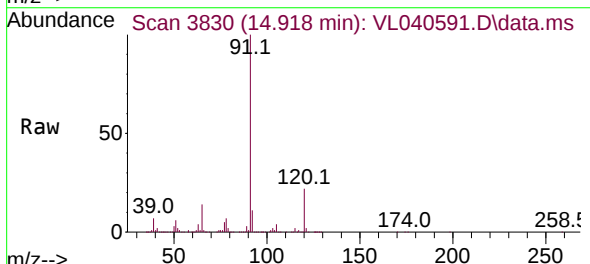
Manual Integrations  
APPROVED

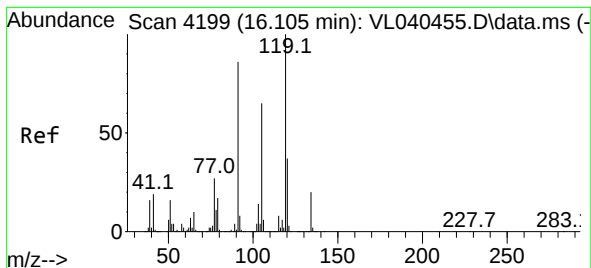
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#64  
n-propylbenzene  
Concen: 10.000 ppbv  
RT: 14.918 min Scan# 3830  
Delta R.T. -0.013 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

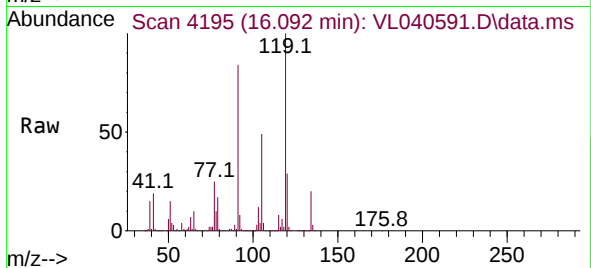
Tgt Ion:120 Resp: 1167066  
Ion Ratio Lower Upper  
120 100  
91 486.8 374.3 561.5





#65  
tert-Butylbenzene  
Concen: 9.967 ppbv  
RT: 16.092 min Scan# 4199  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

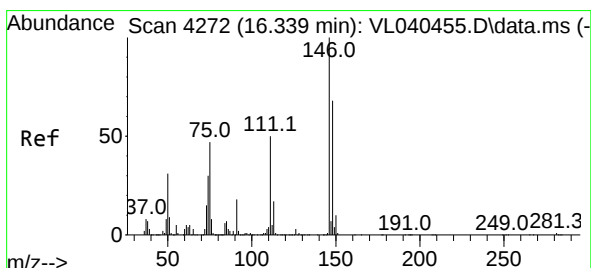
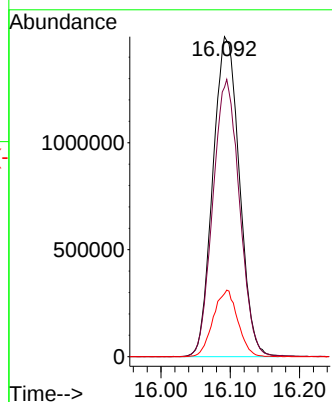
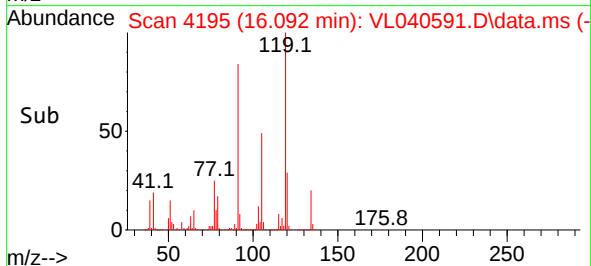
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



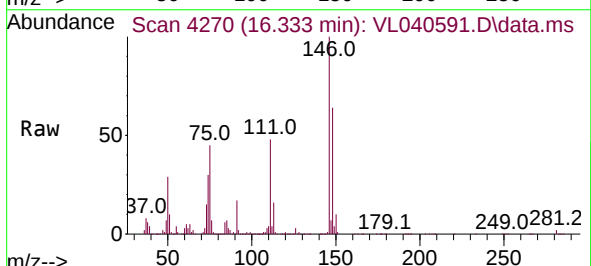
Tgt Ion:119 Resp: 3980254  
Ion Ratio Lower Upper  
119 100  
91 87.0 66.1 99.1  
134 19.2 15.7 23.5

Manual Integrations  
APPROVED

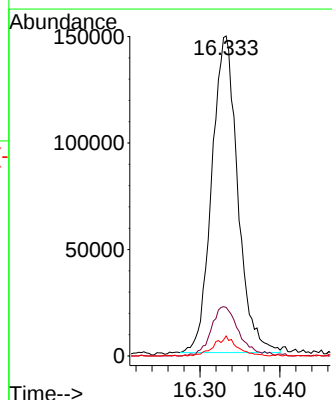
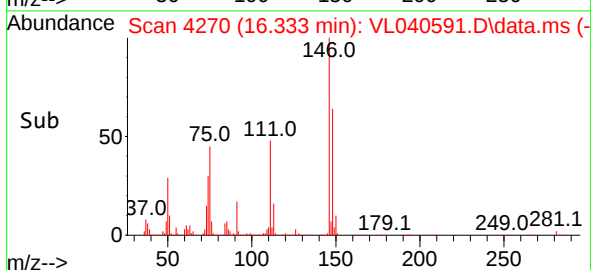
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

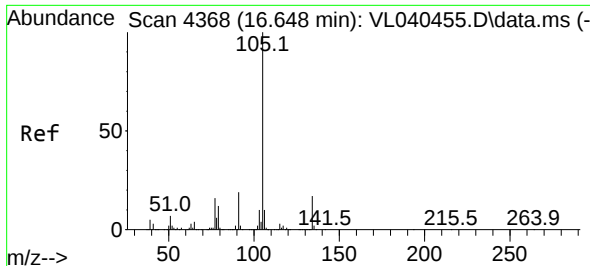


#66  
Benzyl Chloride  
Concen: 11.855 ppbv  
RT: 16.333 min Scan# 4270  
Delta R.T. -0.003 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



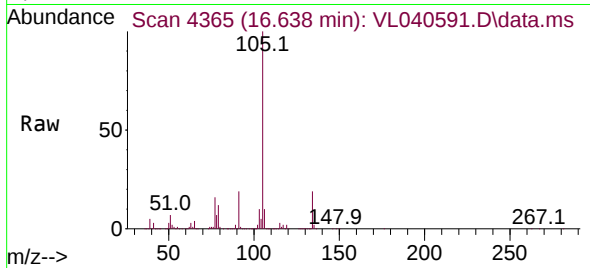
Tgt Ion: 91 Resp: 334919  
Ion Ratio Lower Upper  
91 100  
126 16.9 15.4 23.2  
128 5.6 4.5 6.7





#67  
 sec-Butylbenzene  
 Concen: 9.775 ppbv  
 RT: 16.638 min Scan# 41  
 Delta R.T. -0.010 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

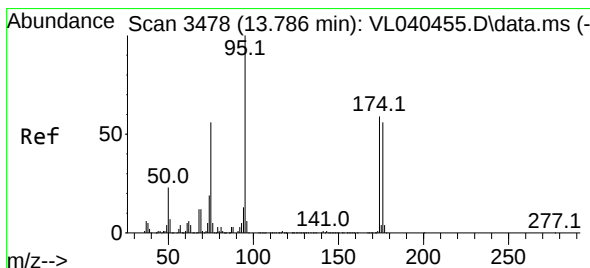
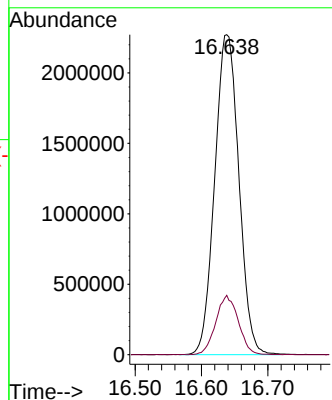
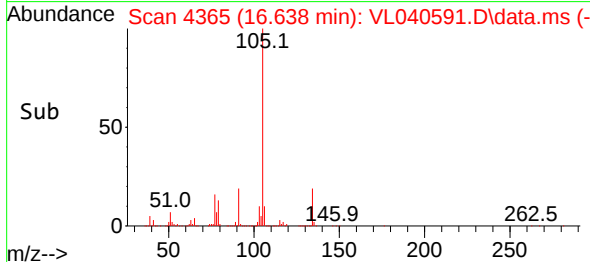
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010



Tgt Ion:105 Resp: 573561  
 Ion Ratio Lower Upper  
 105 100  
 134 17.4 14.4 21.6

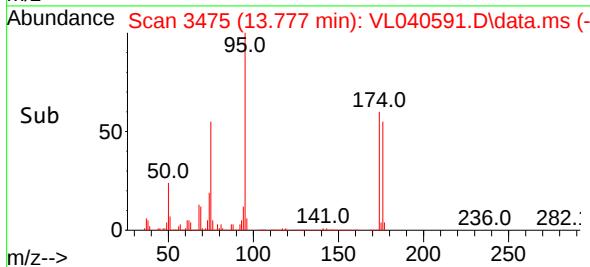
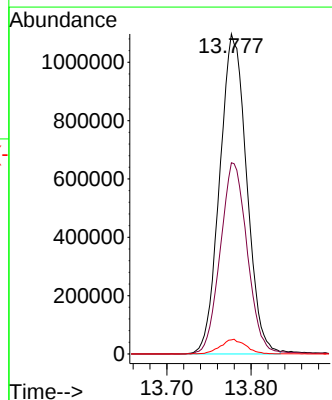
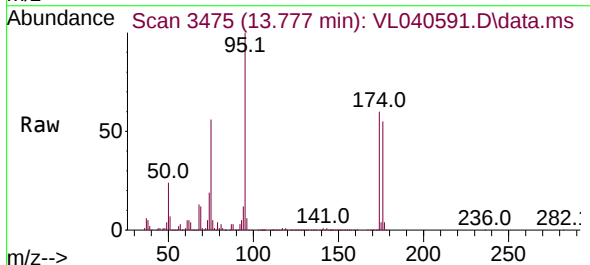
Manual Integrations  
 APPROVED

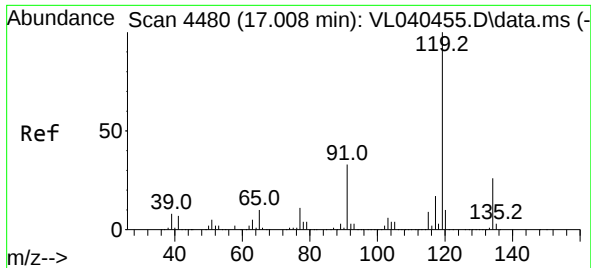
Reviewed By :Semsettin Yesilyurt 08/08/2023  
 Supervised By :Mahesh Dadoda 08/09/2023



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.902 ppbv  
 RT: 13.777 min Scan# 3475  
 Delta R.T. -0.007 min  
 Lab File: VL040591.D  
 Acq: 7 Aug 2023 9:04

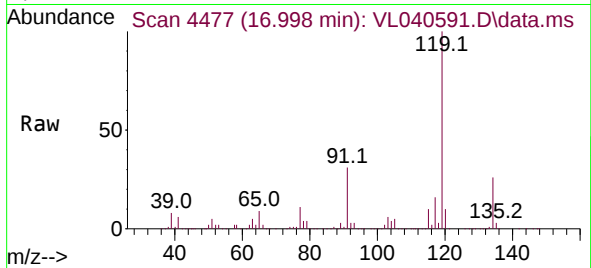
Tgt Ion: 95 Resp: 2433717  
 Ion Ratio Lower Upper  
 95 100  
 174 60.1 50.6 75.8  
 175 4.4 3.7 5.5





#69  
p-Isopropyltoluene  
Concen: 9.614 ppbv  
RT: 16.998 min Scan# 4480  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

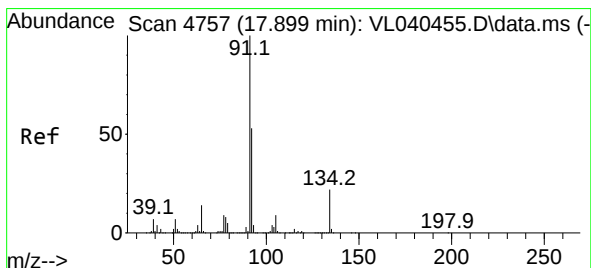
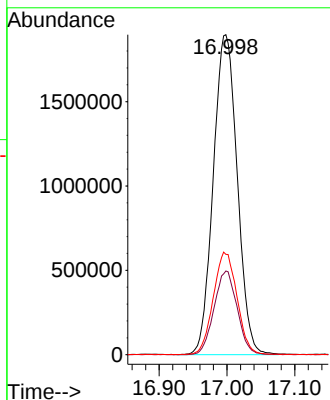
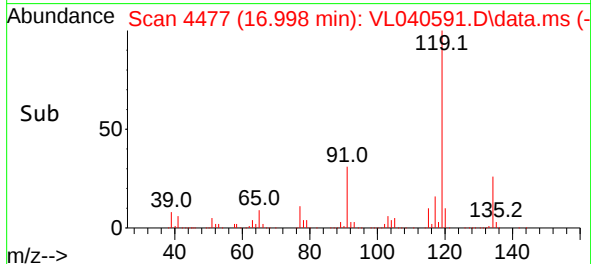
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion: 119 Resp: 466174  
Ion Ratio Lower Upper  
119 100  
134 25.3 20.5 30.7  
91 31.7 23.8 35.8

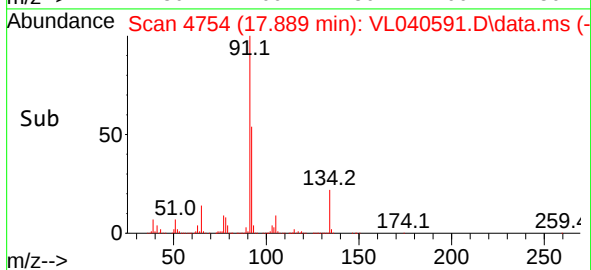
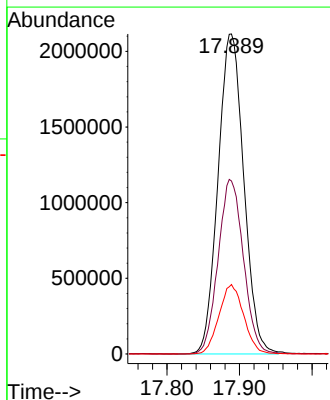
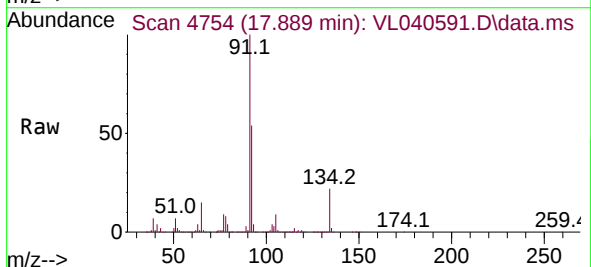
Manual Integrations  
APPROVED

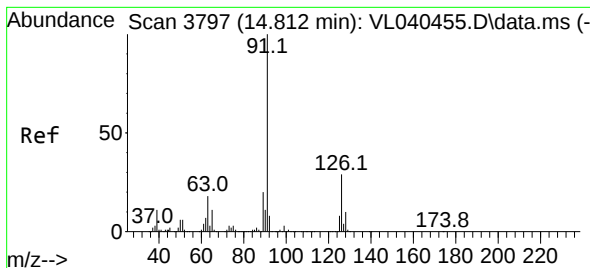
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#70  
n-Butylbenzene  
Concen: 9.631 ppbv  
RT: 17.889 min Scan# 4754  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion: 91 Resp: 5207656  
Ion Ratio Lower Upper  
91 100  
92 53.8 43.4 65.0  
134 21.0 18.1 27.1





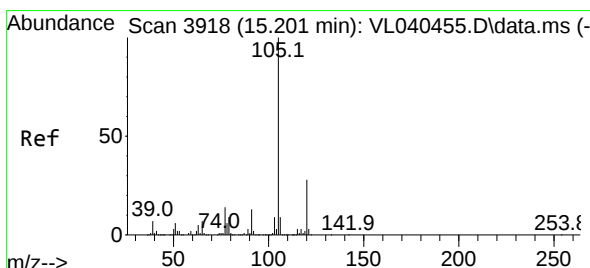
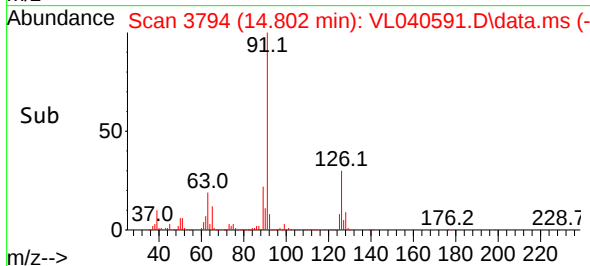
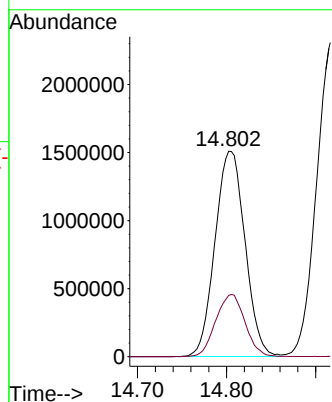
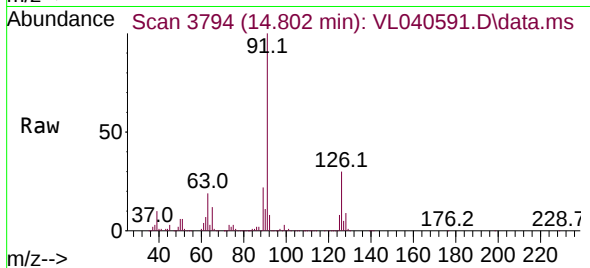
#71  
2-Chlorotoluene  
Concen: 10.150 ppbv  
RT: 14.802 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 91 Resp: 352846  
Ion Ratio Lower Upper  
91 100  
126 29.6 12.4 49.8

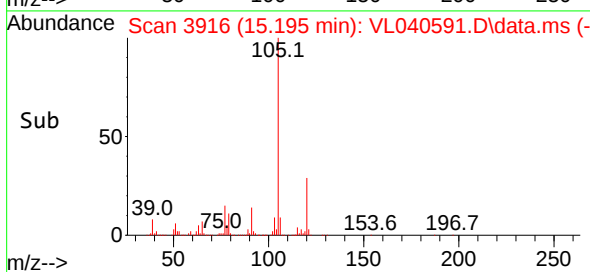
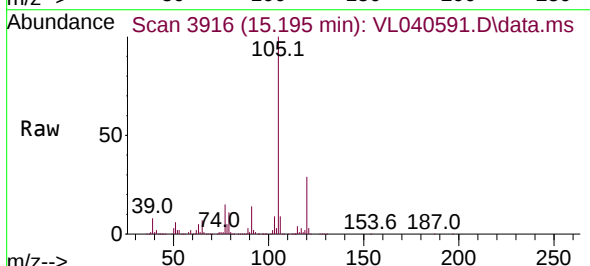
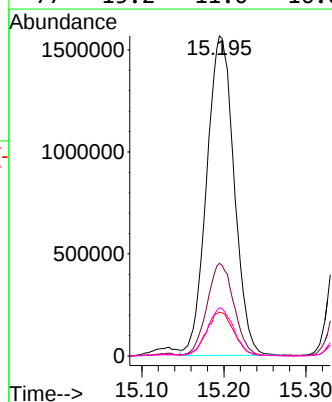
Manual Integrations  
APPROVED

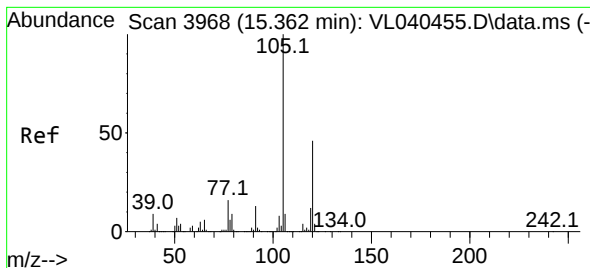
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#72  
4-Ethyltoluene  
Concen: 10.324 ppbv  
RT: 15.195 min Scan# 3916  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Tgt Ion:105 Resp: 3642151  
Ion Ratio Lower Upper  
105 100  
120 29.4 24.6 37.0  
91 13.7 10.7 16.1  
77 15.2 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 10.120 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 314704

Ion Ratio Lower Upper

105 100

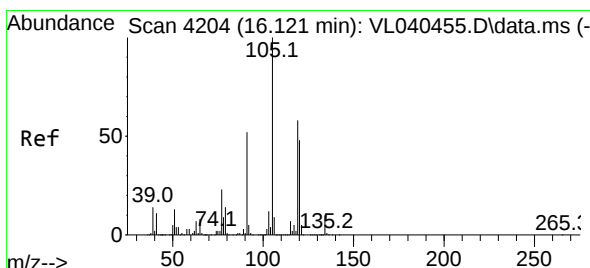
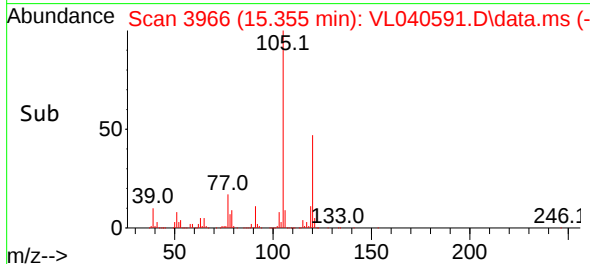
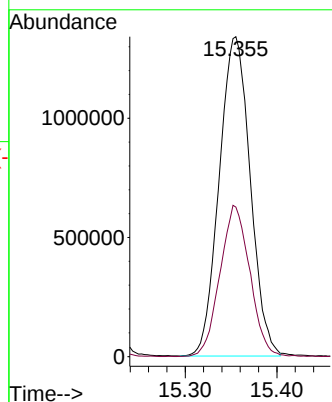
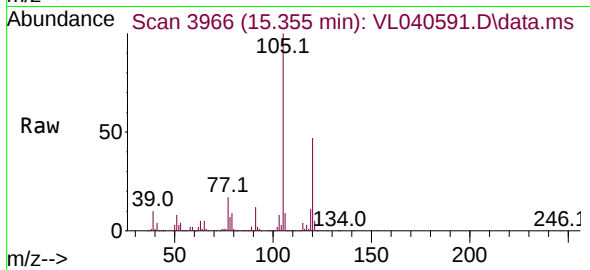
120 46.7 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#74

1,2,4-Trimethylbenzene

Concen: 9.881 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. -0.007 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Tgt Ion:105 Resp: 3582709

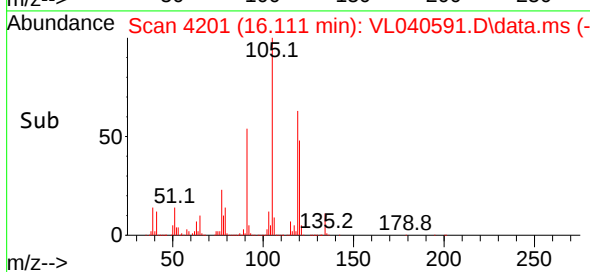
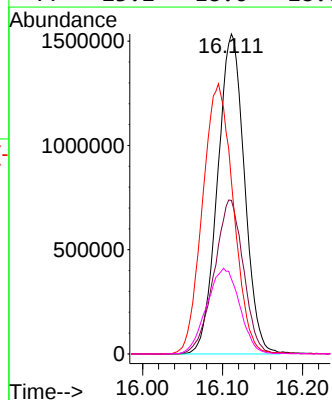
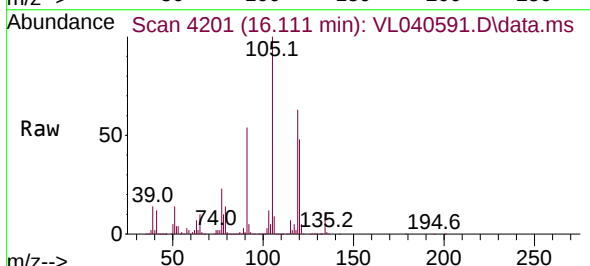
Ion Ratio Lower Upper

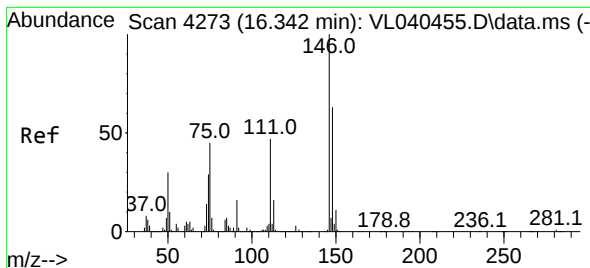
105 100

120 47.8 40.3 60.5

91 53.7 46.8 70.2

77 23.2 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 9.354 ppbv

RT: 16.333 min Scan# 4315

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion:146 Resp: 2056120

Ion Ratio Lower Upper

146 100

111 48.5 23.6 71.0

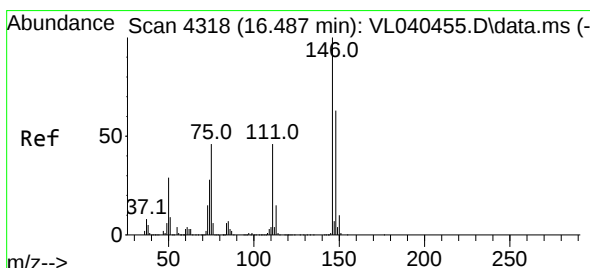
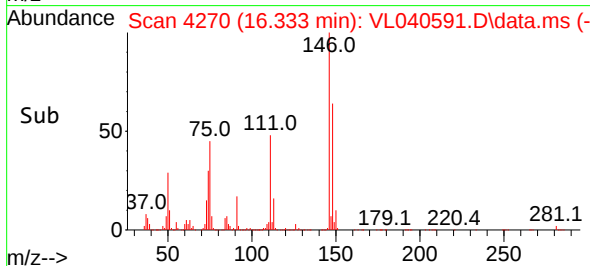
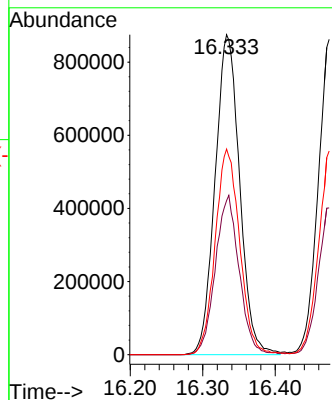
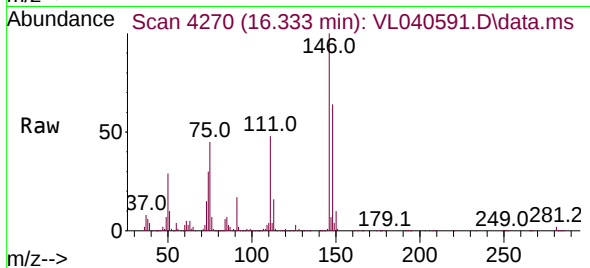
148 64.3 32.2 96.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/08/2023

Supervised By :Mahesh Dadoda 08/09/2023



#76

1,4-Dichlorobenzene

Concen: 9.345 ppbv

RT: 16.477 min Scan# 4315

Delta R.T. -0.010 min

Lab File: VL040591.D

Acq: 7 Aug 2023 9:04

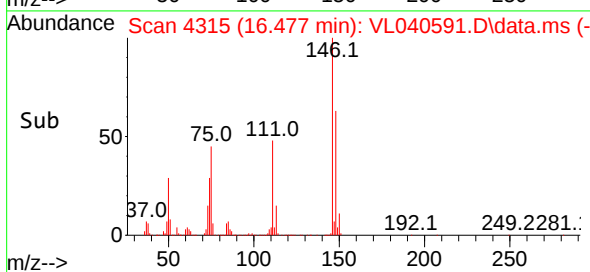
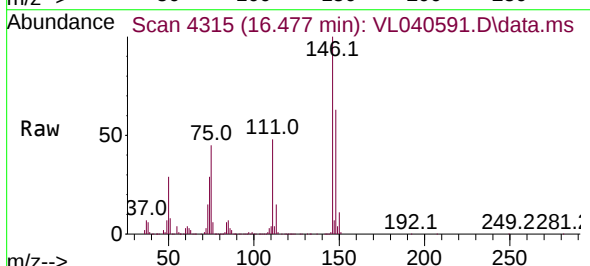
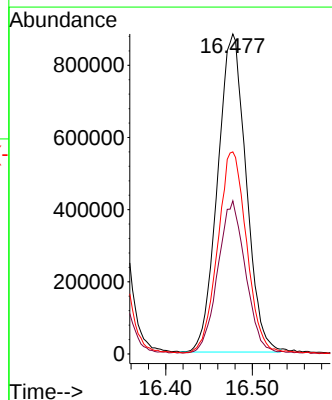
Tgt Ion:146 Resp: 2014385

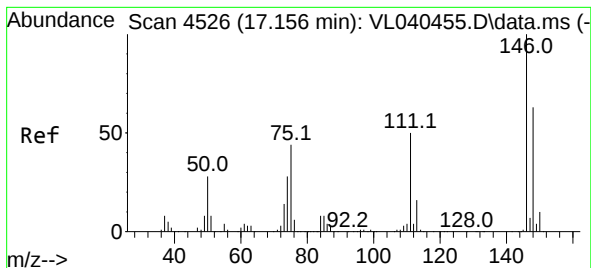
Ion Ratio Lower Upper

146 100

111 47.4 22.8 68.3

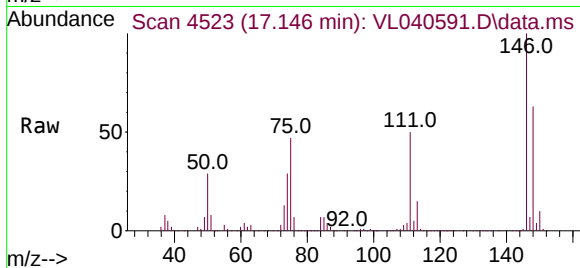
148 64.9 32.6 97.8





#77  
1,2-Dichlorobenzene  
Concen: 9.345 ppbv  
RT: 17.146 min Scan# 4526  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

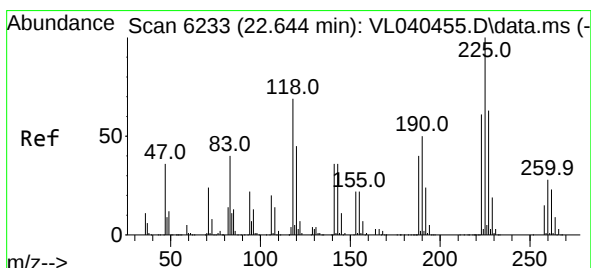
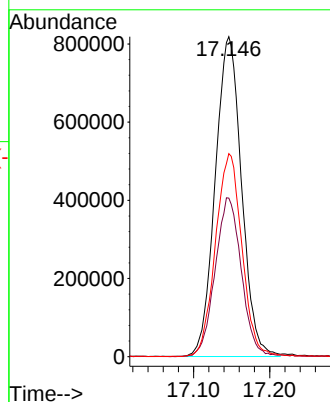
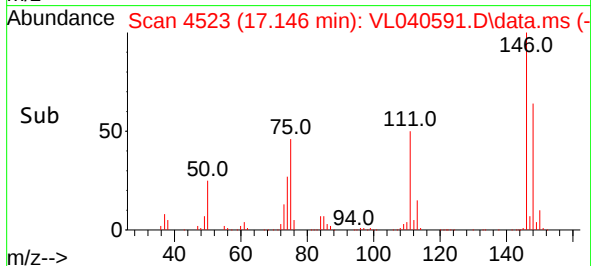
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:146 Resp: 1964210  
Ion Ratio Lower Upper  
146 100  
111 49.5 24.3 72.8  
148 63.8 32.1 96.3

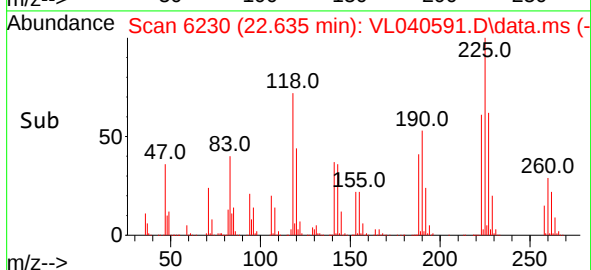
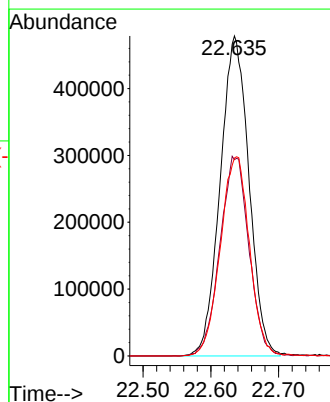
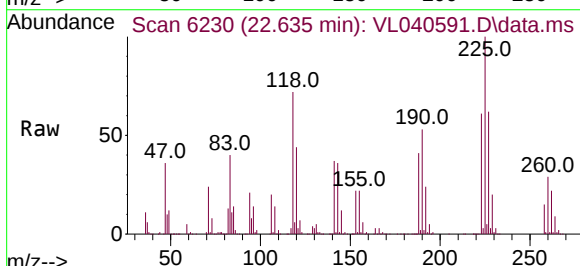
Manual Integrations  
APPROVED

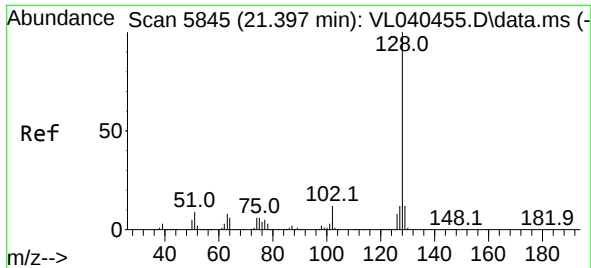
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023



#78  
Hexachloro-1,3-Butadiene  
Concen: 7.142 ppbv  
RT: 22.635 min Scan# 6230  
Delta R.T. -0.013 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

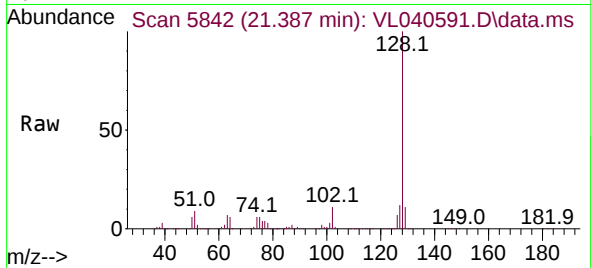
Tgt Ion:225 Resp: 1409853  
Ion Ratio Lower Upper  
225 100  
223 63.1 50.3 75.5  
227 63.4 51.0 76.6





#79  
Naphthalene  
Concen: 9.280 ppbv  
RT: 21.387 min Scan# 5845  
Delta R.T. -0.007 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

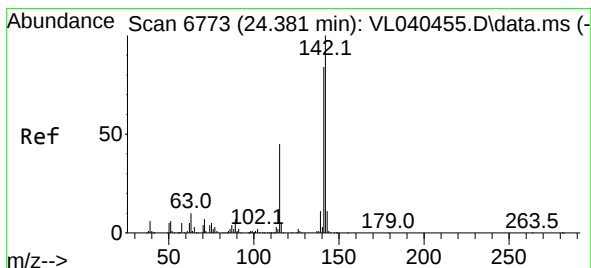
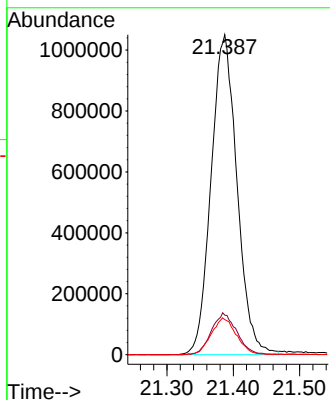
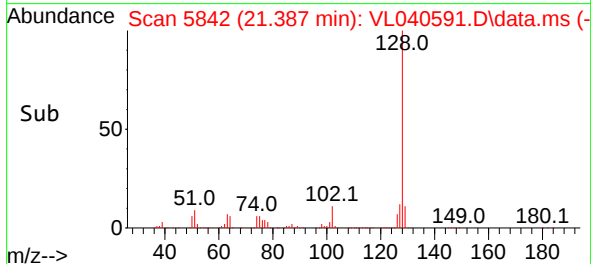
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



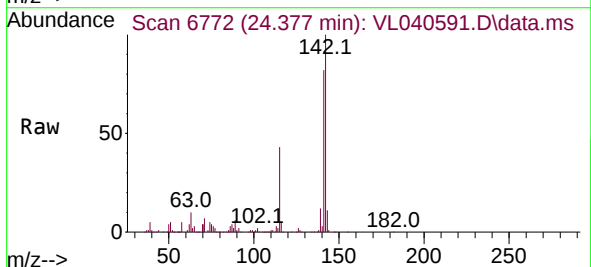
Tgt Ion:128 Resp: 284676  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.7 16.1  
129 10.9 9.2 13.8

Manual Integrations  
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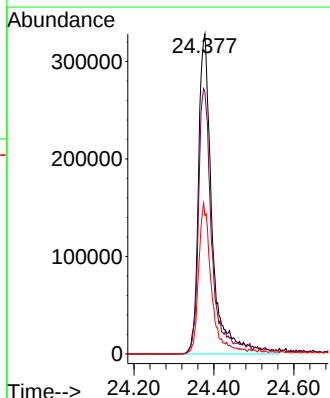
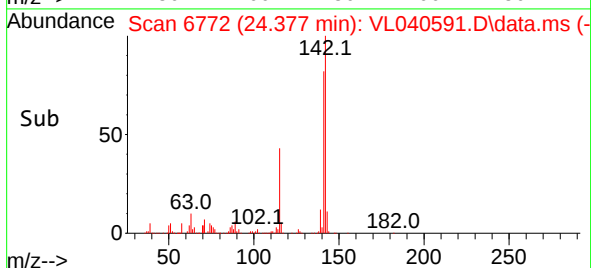
Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

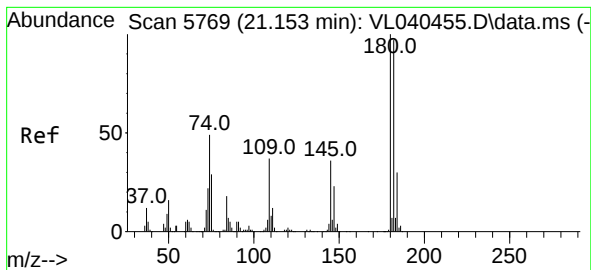


#80  
Naphthalene,2-methyl-  
Concen: 6.194 ppbv  
RT: 24.377 min Scan# 6772  
Delta R.T. -0.000 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04



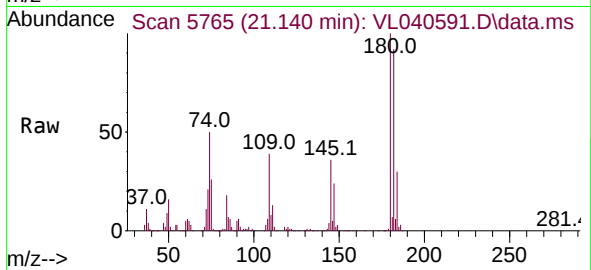
Tgt Ion:142 Resp: 783406  
Ion Ratio Lower Upper  
142 100  
141 84.8 66.7 100.1  
115 44.6 33.0 49.6





#81  
1,2,4-Trichlorobenzene  
Concen: 7.915 ppbv  
RT: 21.140 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: VL040591.D  
Acq: 7 Aug 2023 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010



Tgt Ion:180 Resp: 167331  
Ion Ratio Lower Upper  
180 100  
182 97.1 77.5 116.3  
184 30.7 24.5 36.7

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 08/08/2023  
Supervised By :Mahesh Dadoda 08/09/2023

