

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110724\  
 Data File : VL041695.D  
 Acq On : 8 Nov 2024 2:18  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Quant Time: Nov 08 03:56:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

Reviewed By : Mahesh Dadoda 11/09/2024  
 Supervised By : Semsettin Yesilyurt 11/09/2024

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.192  | 49   | 1076506  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.655  | 114  | 2989714  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.462 | 117  | 3013038m | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2220381 10.002 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

#### Target Compounds

|                               |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.735 | 85  | 1984513 | 10.200 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.681 | 51  | 1229294 | 8.764  | ppbv   | 99     |
| 4) Chloromethane              | 2.816 | 50  | 677106  | 9.114  | ppbv   | 100    |
| 5) Vinyl Chloride             | 2.925 | 62  | 650371  | 9.732  | ppbv   | 100    |
| 6) Bromomethane               | 3.121 | 94  | 294542  | 8.308  | ppbv   | 100    |
| 7) Chloroethane               | 3.202 | 64  | 237017  | 9.717  | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 2.861 | 85  | 1578222 | 9.086  | ppbv   | 99     |
| 9) Propene                    | 2.700 | 41  | 551275  | 9.020  | ppbv   | 100    |
| 10) Heptane                   | 7.578 | 43  | 1396124 | 10.194 | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 3.565 | 101 | 1573859 | 9.286  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.067 | 101 | 1152953 | 9.360  | ppbv   | 99     |
| 13) Ethanol                   | 3.256 | 45  | 17893m  | 4.781  | ppbv   |        |
| 14) Bromoethene               | 3.369 | 108 | 455827  | 9.205  | ppbv   | 98     |
| 15) Acetone                   | 3.472 | 43  | 1143751 | 8.633  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 2.989 | 39  | 642384  | 9.610  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.880 | 59  | 1022266 | 8.793  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.880 | 96  | 503432  | 9.318  | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.578 | 45  | 551322  | 8.706  | ppbv # | 97     |
| 20) Methylene Chloride        | 3.935 | 84  | 409837  | 8.407  | ppbv   | 98     |
| 21) Allyl Chloride            | 3.999 | 41  | 803113  | 9.810  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.446 | 96  | 501680  | 9.339  | ppbv   | 99     |
| 23) Vinyl Acetate             | 4.629 | 43  | 682931  | 11.693 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 4.562 | 63  | 1099916 | 9.173  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.205 | 43  | 2528302 | 9.219  | ppbv   | 99     |
| 26) Hexane                    | 5.211 | 57  | 1023951 | 9.718  | ppbv   | 96     |
| 27) Carbon Disulfide          | 4.124 | 76  | 1210492 | 10.226 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.584 | 73  | 578570  | 8.527  | ppbv   | 99     |
| 29) Chloroform                | 5.272 | 83  | 1619811 | 9.314  | ppbv   | 100    |
| 30) Cyclohexane               | 6.600 | 84  | 862378  | 9.613  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.079 | 61  | 972537  | 9.595  | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.002 | 97  | 1569490 | 9.892  | ppbv   | 99     |
| 34) 2-Butanone                | 4.787 | 43  | 1401455 | 9.414  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.491 | 117 | 1667580 | 10.572 | ppbv   | 98     |
| 36) Benzene                   | 6.369 | 78  | 2181352 | 9.847  | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 5.806 | 62  | 1219445 | 9.758  | ppbv   | 99     |
| 38) Trichloroethene           | 7.288 | 130 | 1235656 | 14.524 | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.073 | 63  | 845320  | 9.656  | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.282 | 88  | 327544  | 10.428 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.555 | 42  | 846490  | 9.957  | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.246 | 83  | 1724577 | 9.931  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.472 | 69  | 834601  | 10.730 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.324 | 57  | 3723039 | 9.922  | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.706 | 75  | 694300  | 9.769  | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110724\  
 Data File : VL041695.D  
 Acq On : 8 Nov 2024 2:18  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 03:56:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110724AIR.M

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

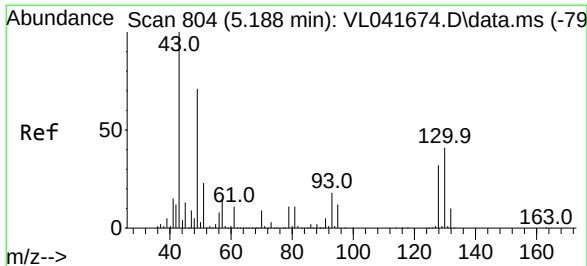
QLast Update : Fri Nov 08 01:01:00 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 8.137  | 75   | 1038635  | 10.175 | ppbv  | 97       |
| 47) 1,1,2-Trichloroethane     | 8.896  | 97   | 913423   | 9.641  | ppbv  | 99       |
| 48) Dibromochloromethane      | 9.706  | 129  | 1500662  | 10.419 | ppbv  | 99       |
| 49) Bromoform                 | 12.401 | 173  | 1347774  | 10.937 | ppbv  | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.179  | 43   | 2404385  | 10.521 | ppbv  | 100      |
| 51) 2-Hexanone                | 9.545  | 43   | 1858610  | 11.168 | ppbv  | 100      |
| 52) Tetrachloroethene         | 10.613 | 164  | 802617   | 10.632 | ppbv  | 99       |
| 53) Toluene                   | 9.217  | 91   | 2513473  | 10.790 | ppbv  | 100      |
| 54) 1,2-Dibromoethane         | 10.005 | 107  | 1195844  | 10.803 | ppbv  | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.504 | 131  | 1133444  | 9.121  | ppbv  | 99       |
| 57) Chlorobenzene             | 11.523 | 112  | 2010706  | 9.023  | ppbv  | 97       |
| 58) Ethyl Benzene             | 12.085 | 91   | 3433522  | 10.395 | ppbv  | 98       |
| 59) m/p-Xylene                | 12.368 | 91   | 5958318m | 20.143 | ppbv  |          |
| 60) o-Xylene                  | 13.053 | 91   | 2871187  | 10.179 | ppbv  | 100      |
| 61) Styrene                   | 12.893 | 104  | 1358389  | 11.668 | ppbv  | 100      |
| 62) Isopropylbenzene          | 14.024 | 105  | 4158014  | 9.545  | ppbv  | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.044 | 83   | 1152470  | 5.554  | ppbv  | 99       |
| 64) n-propylbenzene           | 14.912 | 120  | 1114366  | 9.772  | ppbv  | 98       |
| 65) tert-Butylbenzene         | 16.082 | 119  | 3735121  | 9.540  | ppbv  | 100      |
| 66) Benzyl Chloride           | 16.320 | 91   | 186790m  | 6.202  | ppbv  |          |
| 67) sec-Butylbenzene          | 16.629 | 105  | 5261018  | 9.534  | ppbv  | 100      |
| 69) p-Isopropyltoluene        | 16.989 | 119  | 4374045  | 9.804  | ppbv  | 100      |
| 70) n-Butylbenzene            | 17.879 | 91   | 4522936  | 9.909  | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 14.796 | 91   | 3143905  | 9.984  | ppbv  | 99       |
| 72) 4-Ethyltoluene            | 15.188 | 105  | 3404290  | 10.381 | ppbv  | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.346 | 105  | 2938945  | 10.213 | ppbv  | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.101 | 105  | 3269887  | 9.782  | ppbv  | 99       |
| 75) 1,3-Dichlorobenzene       | 16.326 | 146  | 2024223  | 9.778  | ppbv  | 99       |
| 76) 1,4-Dichlorobenzene       | 16.468 | 146  | 1944656  | 9.736  | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 17.134 | 146  | 1958590  | 9.550  | ppbv  | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.625 | 225  | 1354982  | 8.354  | ppbv  | 98       |
| 79) Naphthalene               | 21.378 | 128  | 2620569  | 12.701 | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 24.371 | 142  | 1155769  | 25.697 | ppbv  | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.133 | 180  | 1348543  | 10.393 | ppbv  | 100      |

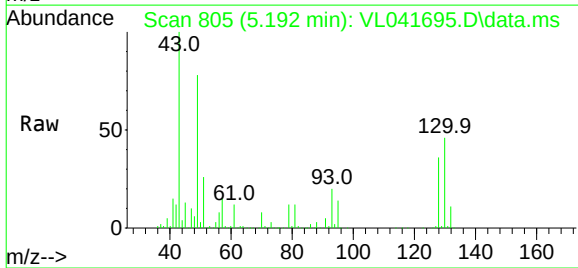
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.192 min Scan# 804  
Delta R.T. 0.004 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

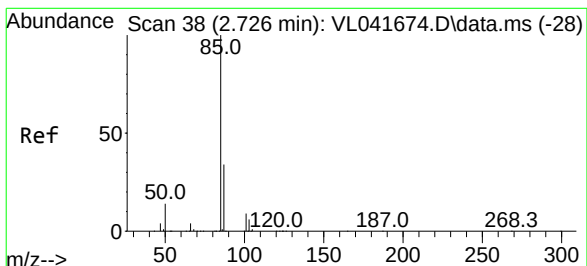
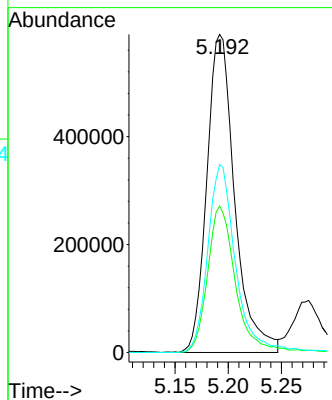
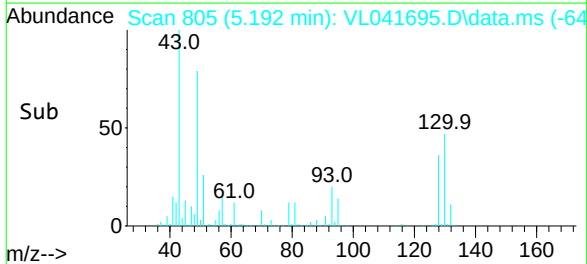
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 49 Resp: 1076506  
Ion Ratio Lower Upper  
49 100  
128 46.8 23.8 71.2  
130 59.7 30.1 90.5

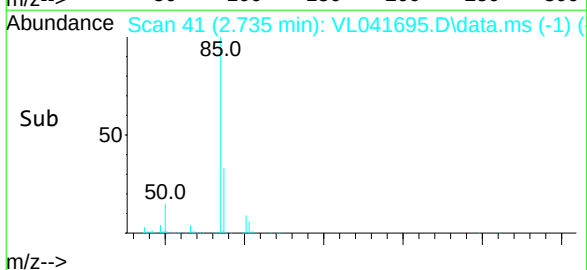
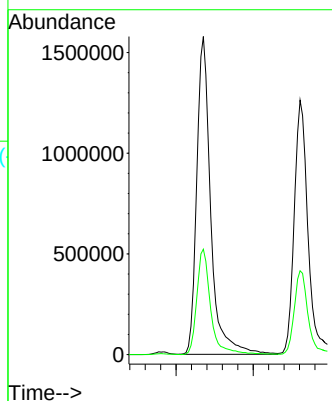
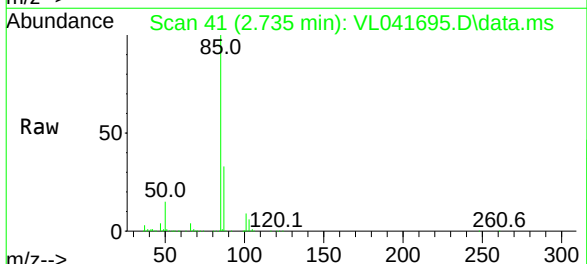
Manual Integrations  
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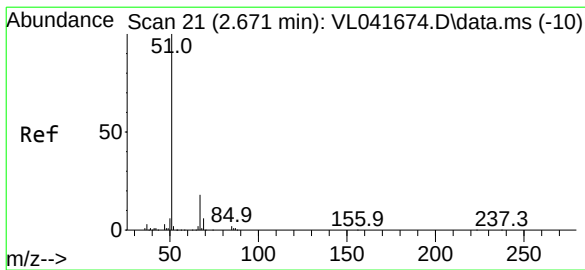
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#2  
Dichlorodifluoromethane  
Concen: 10.200 ppbv  
RT: 2.735 min Scan# 41  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

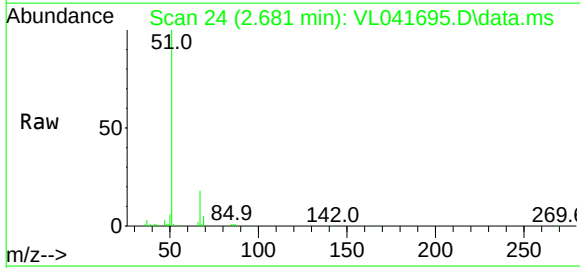
Tgt Ion: 85 Resp: 1984513  
Ion Ratio Lower Upper  
85 100  
87 33.1 26.8 40.2





#3  
Chlorodifluoromethane  
Concen: 8.764 ppbv  
RT: 2.681 min Scan# 24  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

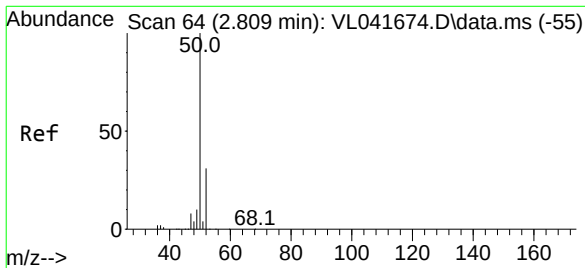
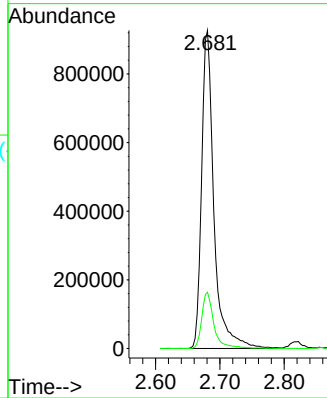
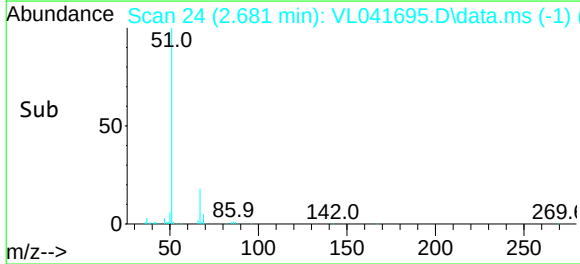
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 51 Resp: 1229294  
Ion Ratio Lower Upper  
51 100  
67 17.6 13.9 20.9

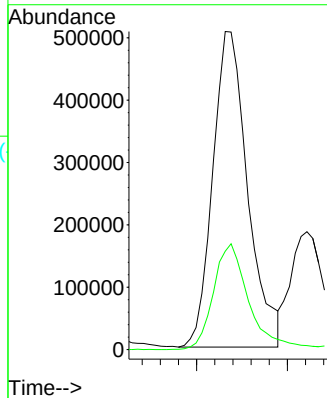
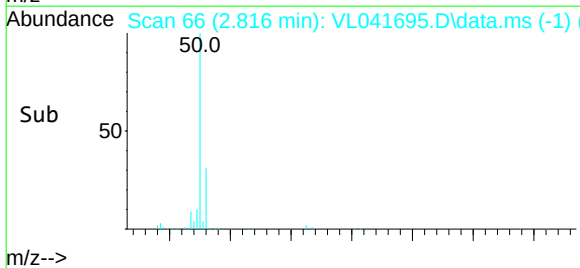
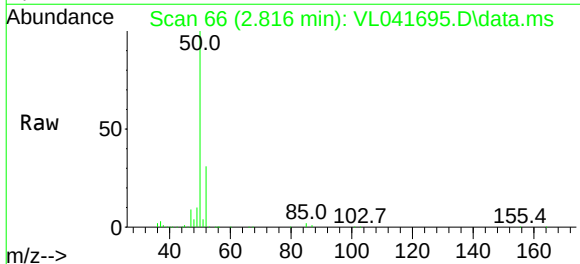
Manual Integrations  
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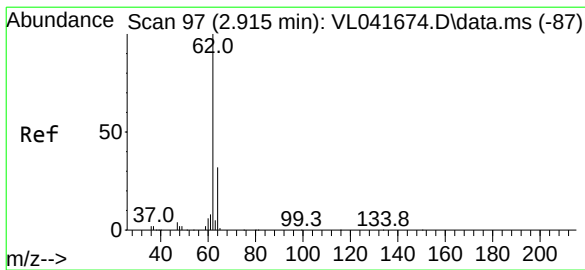
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#4  
Chloromethane  
Concen: 9.114 ppbv  
RT: 2.816 min Scan# 66  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 50 Resp: 677106  
Ion Ratio Lower Upper  
50 100  
52 31.1 24.9 37.3





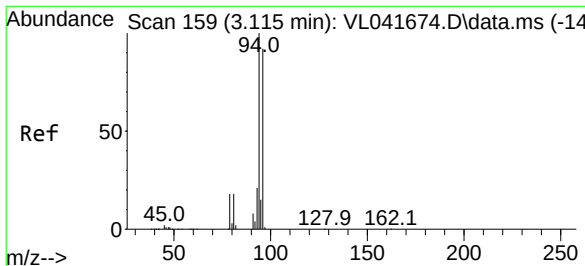
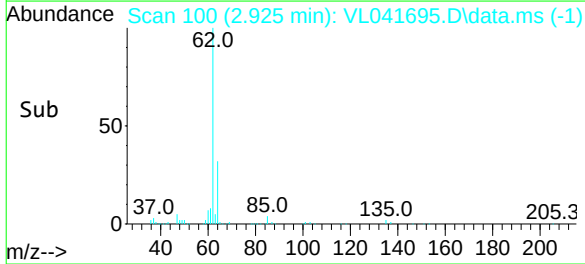
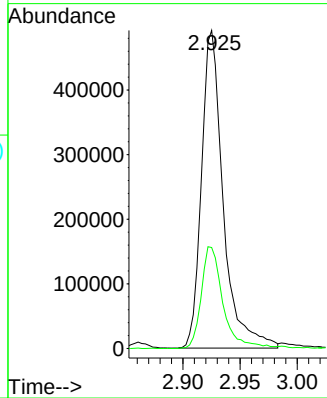
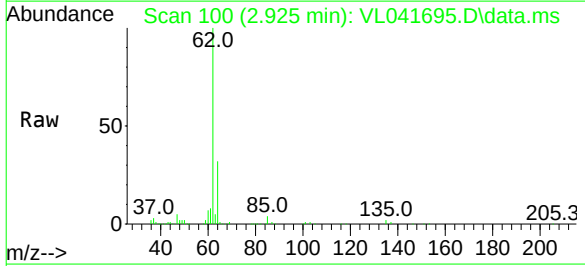
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 Vinyl Chloride  
 Concen: 9.732 ppbv  
 RT: 2.925 min Scan# 10  
 Delta R.T. 0.010 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 62 Resp: 650371  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 25.4 38.2

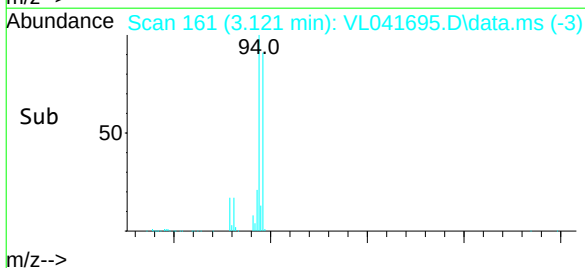
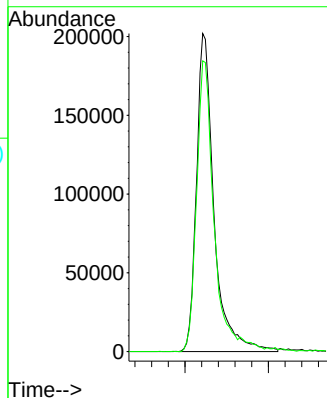
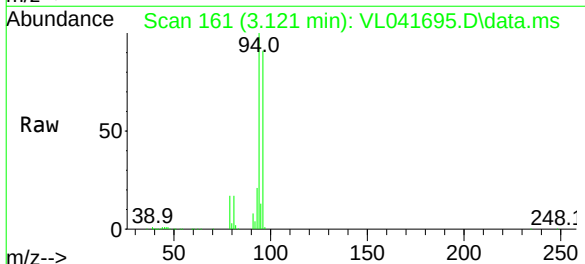
Manual Integrations  
 APPROVED

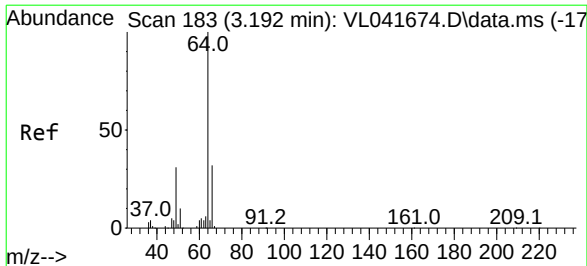
Reviewed By :Mahesh Dadoda 11/09/2024  
 Supervised By :Semsettin Yesilyurt 11/09/2024



#6  
 Bromomethane  
 Concen: 8.308 ppbv  
 RT: 3.121 min Scan# 161  
 Delta R.T. 0.007 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

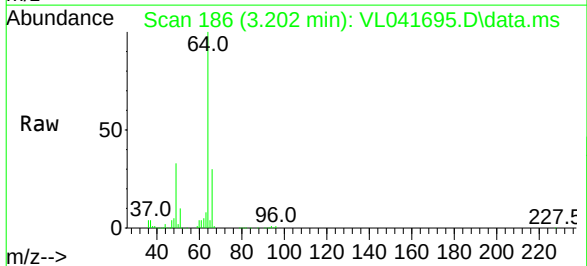
Tgt Ion: 94 Resp: 294542  
 Ion Ratio Lower Upper  
 94 100  
 96 91.4 73.4 110.2





#7  
Chloroethane  
Concen: 9.717 ppbv  
RT: 3.202 min Scan# 18  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

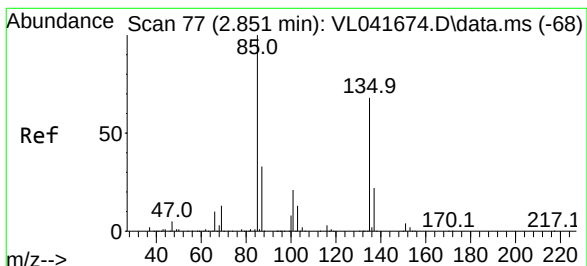
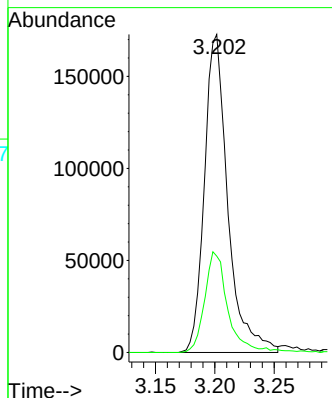
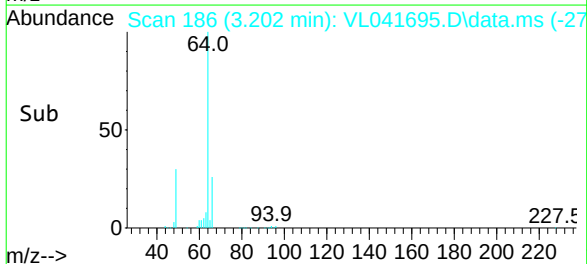
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 64 Resp: 237017  
Ion Ratio Lower Upper  
64 100  
66 30.3 25.9 38.9

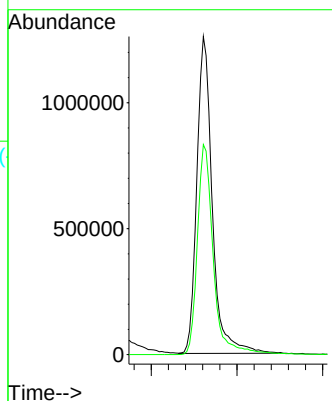
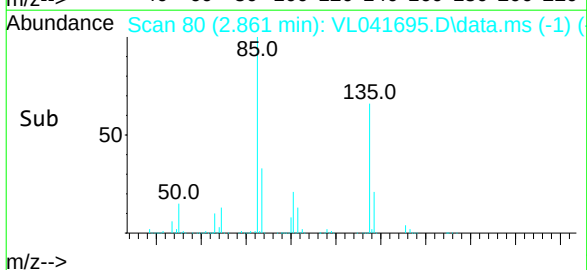
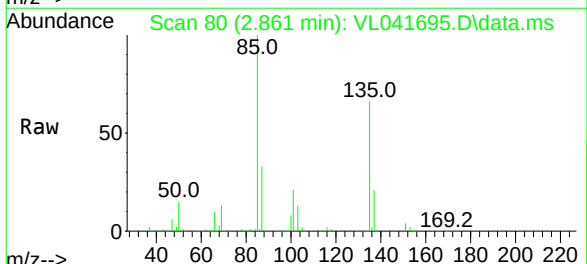
Manual Integrations  
APPROVED

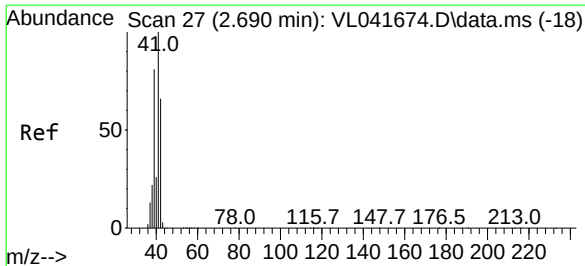
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#8  
Dichlorotetrafluoroethane  
Concen: 9.086 ppbv  
RT: 2.861 min Scan# 80  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 85 Resp: 1578222  
Ion Ratio Lower Upper  
85 100  
135 68.6 55.5 83.3





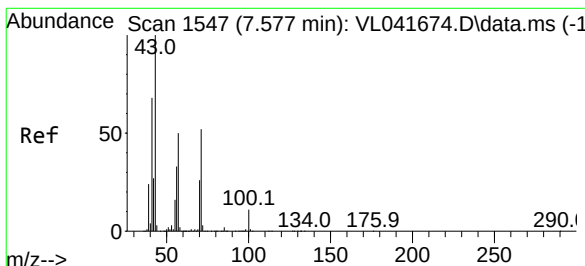
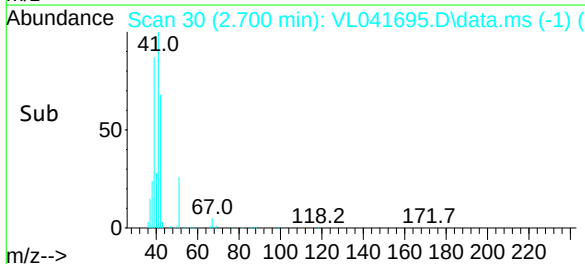
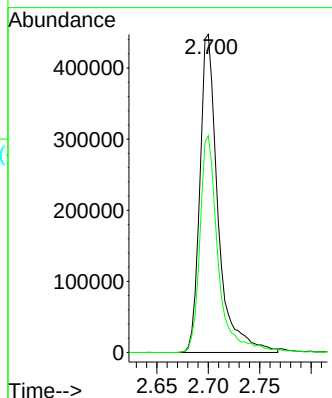
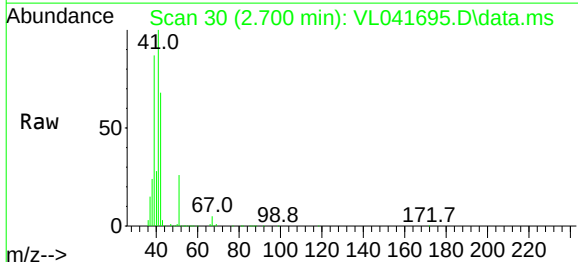
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Propene  
Concen: 9.020 ppbv  
RT: 2.700 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 41 Resp: 551275  
Ion Ratio Lower Upper  
41 100  
42 69.0 55.0 82.4

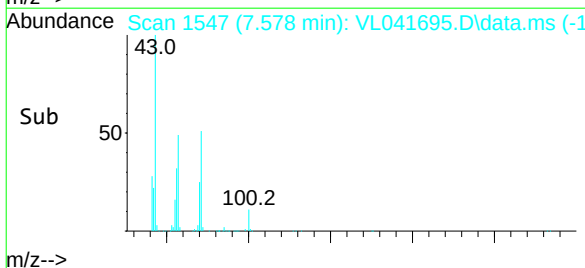
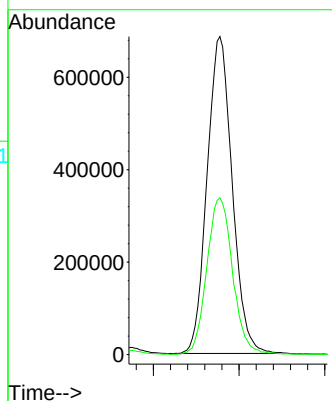
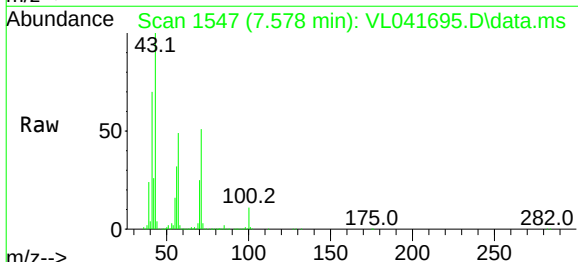
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

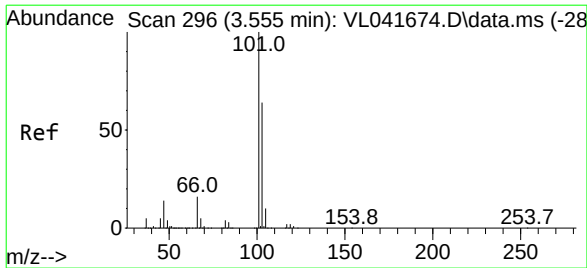


#10  
Heptane  
Concen: 10.194 ppbv  
RT: 7.578 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 43 Resp: 1396124  
Ion Ratio Lower Upper  
43 100  
57 51.1 40.0 60.0

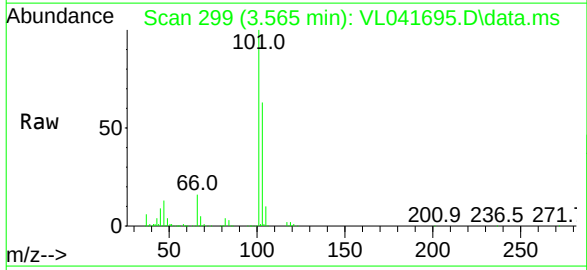






#11  
Trichlorofluoromethane  
Concen: 9.286 ppbv  
RT: 3.565 min Scan# 296  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

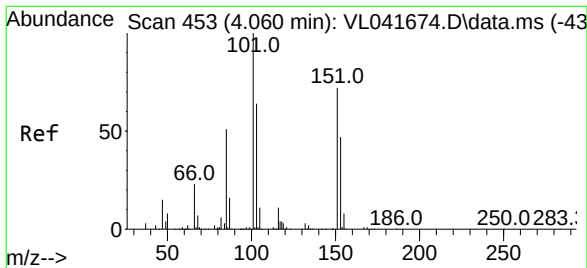
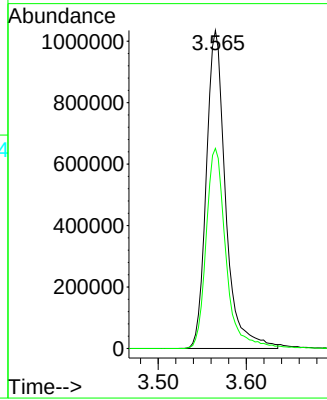
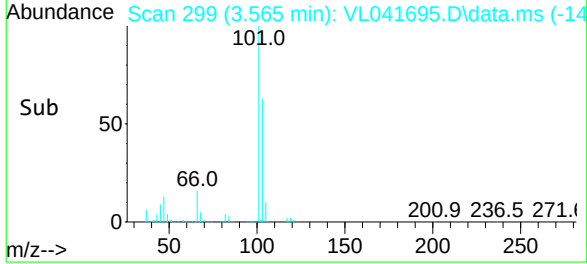
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



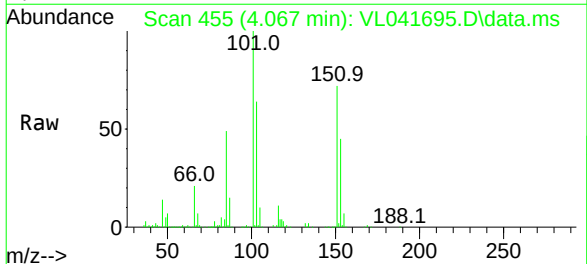
Tgt Ion:101 Resp: 1573859  
Ion Ratio Lower Upper  
101 100  
103 62.9 51.0 76.6

Manual Integrations  
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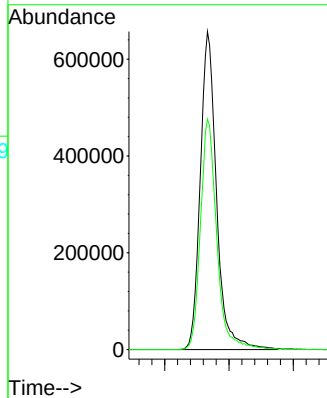
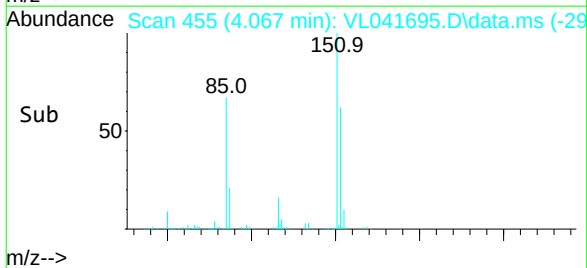
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

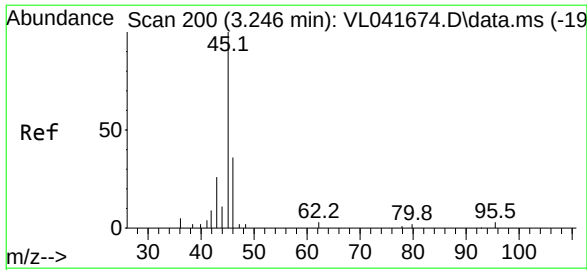


#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.360 ppbv  
RT: 4.067 min Scan# 455  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



Tgt Ion:101 Resp: 1152953  
Ion Ratio Lower Upper  
101 100  
151 72.9 59.1 88.7





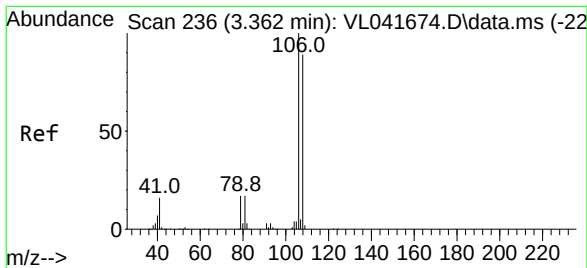
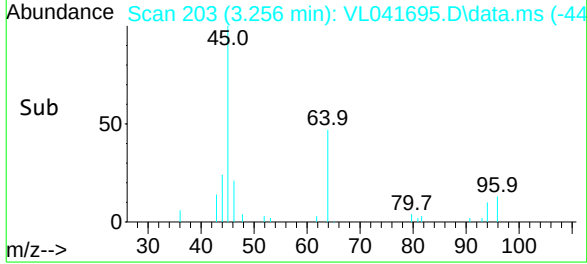
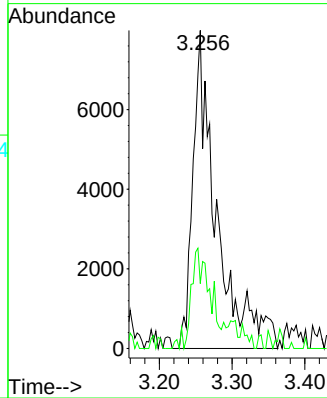
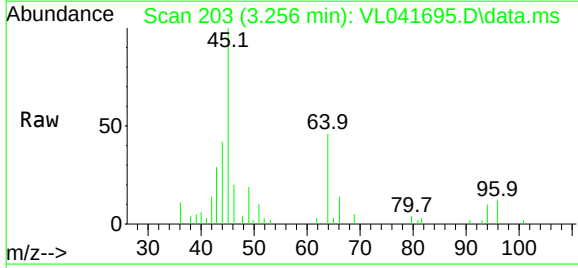
#13  
Ethanol  
Concen: 4.781 ppbv m  
RT: 3.256 min Scan# 20  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 45 Resp: 17893  
Ion Ratio Lower Upper  
45 100  
46 32.2 13.8 55.2

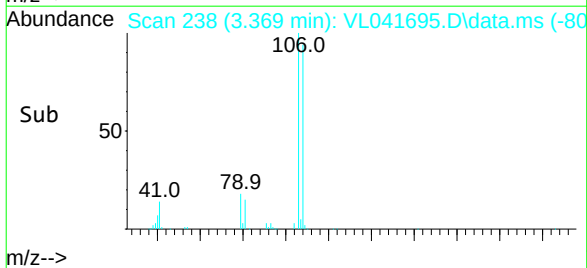
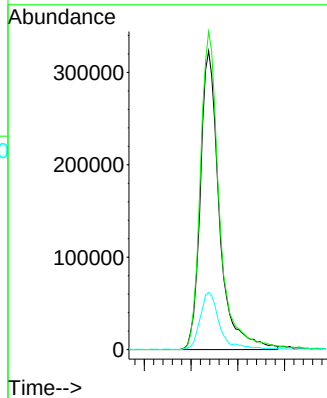
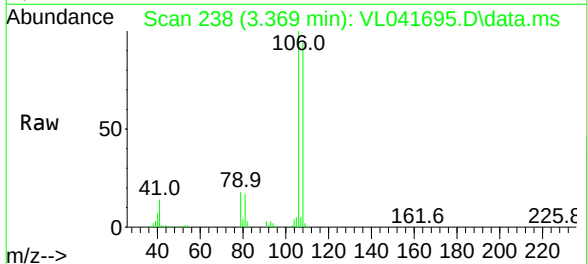
Manual Integrations  
APPROVED

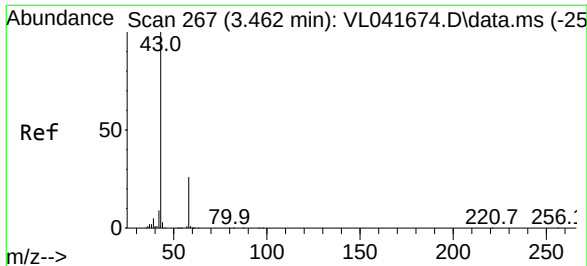
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#14  
Bromoethene  
Concen: 9.205 ppbv  
RT: 3.369 min Scan# 238  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

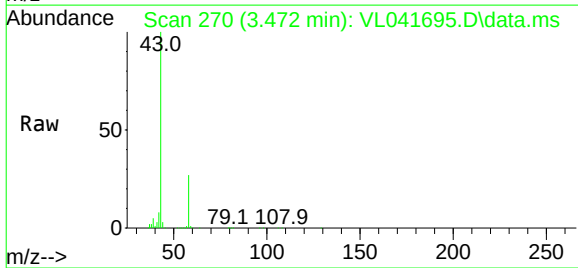
Tgt Ion:108 Resp: 455827  
Ion Ratio Lower Upper  
108 100  
106 108.1 88.6 133.0  
79 20.2 15.6 23.4





#15  
Acetone  
Concen: 8.633 ppbv  
RT: 3.472 min Scan# 27  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

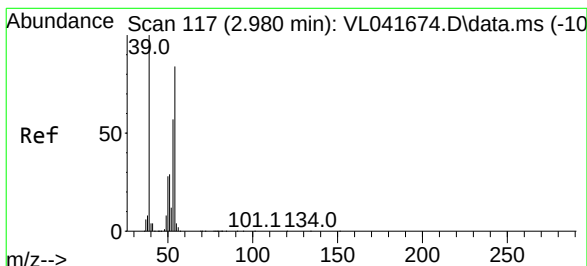
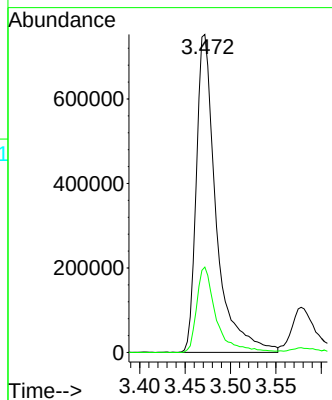
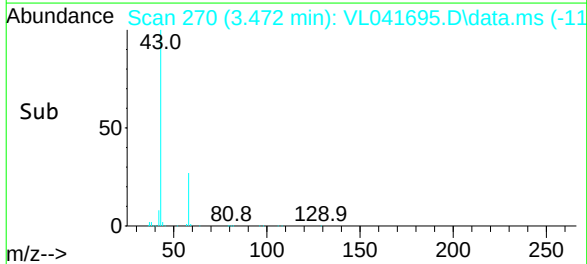
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 1143751  
Ion Ratio Lower Upper  
43 100  
58 26.4 21.4 32.0

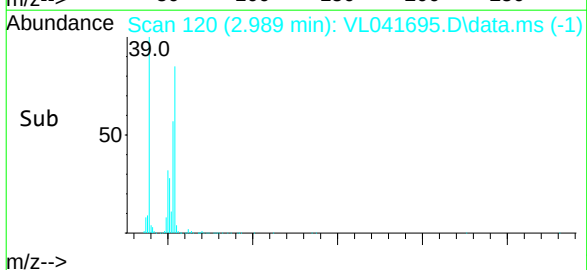
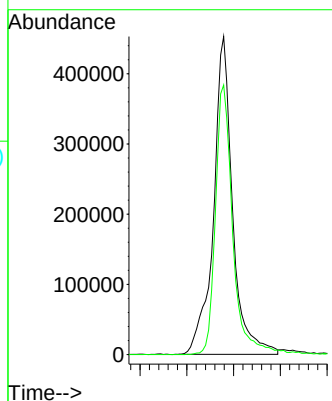
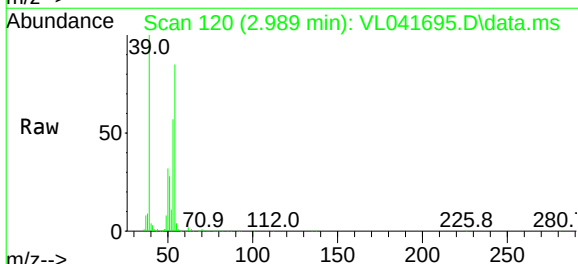
Manual Integrations  
APPROVED

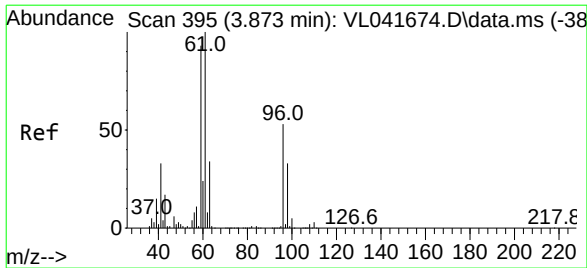
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#16  
1,3-Butadiene  
Concen: 9.610 ppbv  
RT: 2.989 min Scan# 120  
Delta R.T. 0.010 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

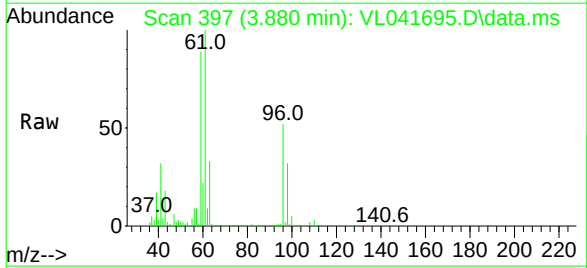
Tgt Ion: 39 Resp: 642384  
Ion Ratio Lower Upper  
39 100  
54 77.9 61.3 91.9





#17  
tert-Butyl alcohol  
Concen: 8.793 ppbv  
RT: 3.880 min Scan# 397  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

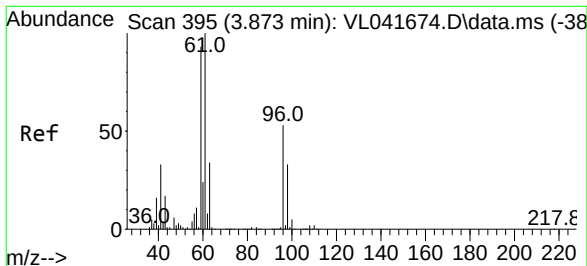
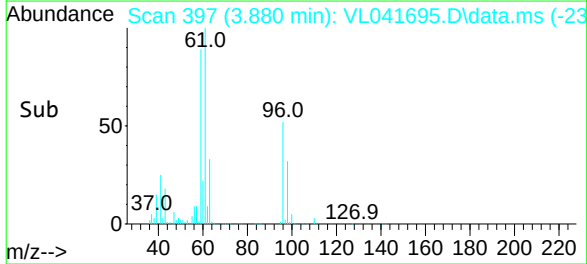
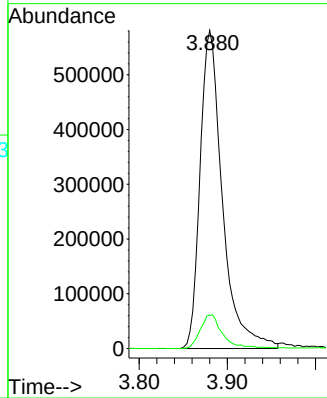
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 59 Resp: 1022266  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.5 12.7

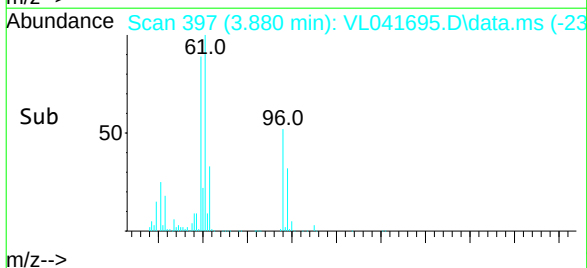
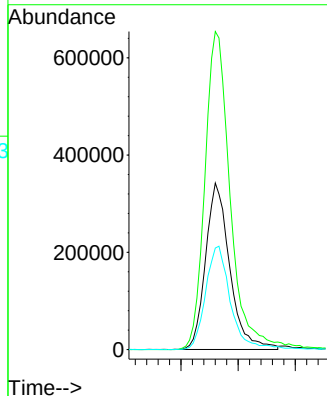
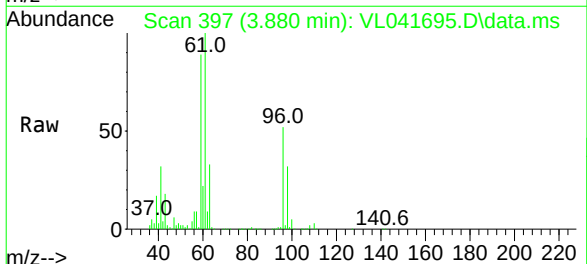
Manual Integrations  
APPROVED

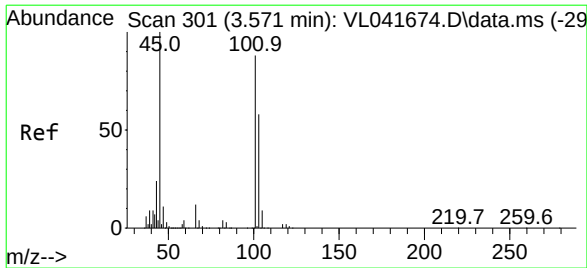
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#18  
1,1-Dichloroethene  
Concen: 9.318 ppbv  
RT: 3.880 min Scan# 397  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

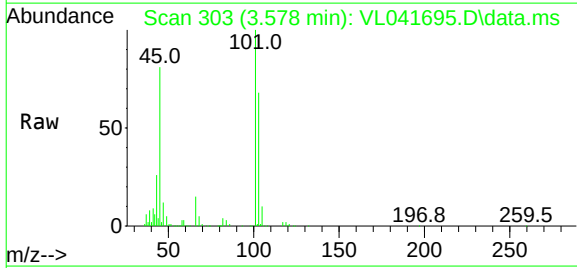
Tgt Ion: 96 Resp: 503432  
Ion Ratio Lower Upper  
96 100  
61 190.9 150.7 226.1  
98 60.8 49.4 74.2





#19  
Isopropyl Alcohol  
Concen: 8.706 ppbv  
RT: 3.578 min Scan# 301  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

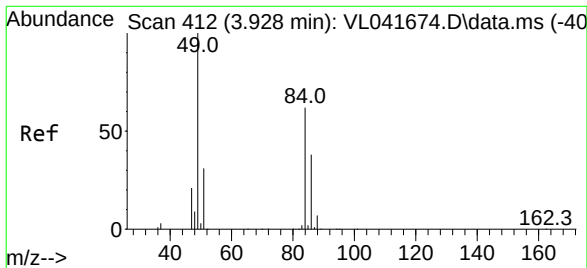
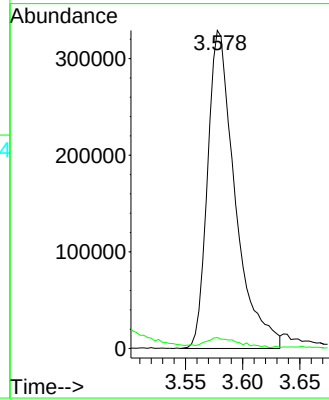
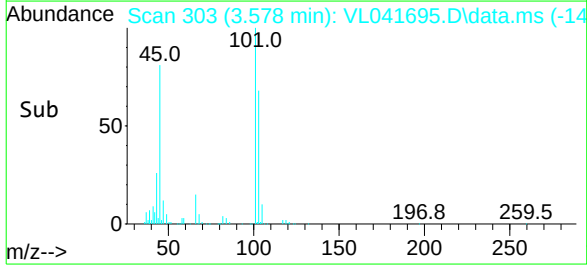
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 45 Resp: 551322  
Ion Ratio Lower Upper  
45 100  
58 4.0 2.5 3.7#

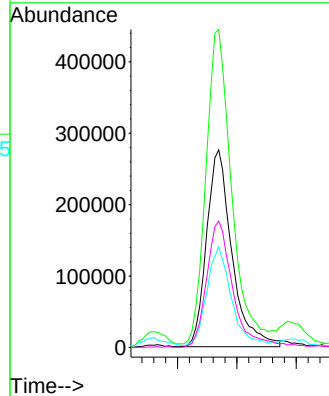
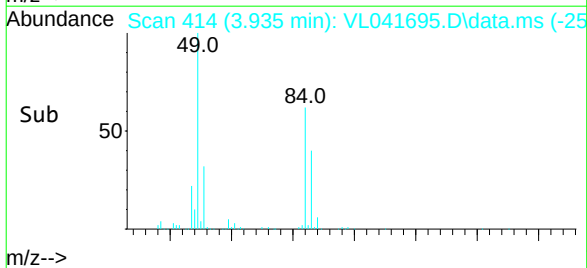
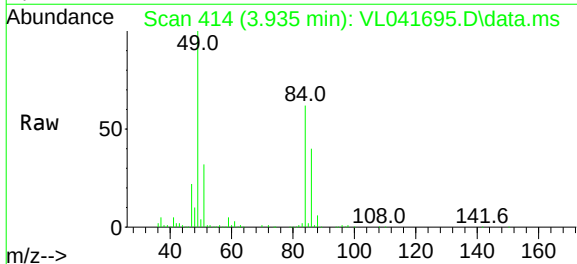
Manual Integrations  
APPROVED

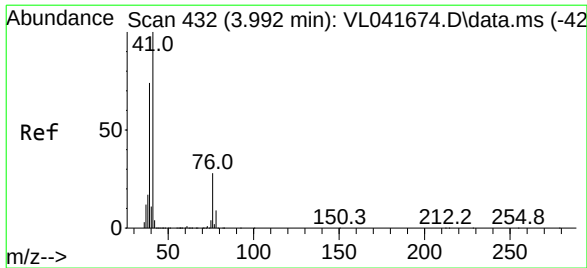
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#20  
Methylene Chloride  
Concen: 8.407 ppbv  
RT: 3.935 min Scan# 414  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 84 Resp: 409837  
Ion Ratio Lower Upper  
84 100  
49 159.7 129.7 194.5  
51 49.9 39.8 59.6  
86 64.1 49.1 73.7





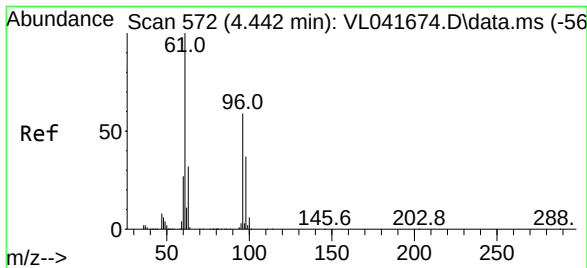
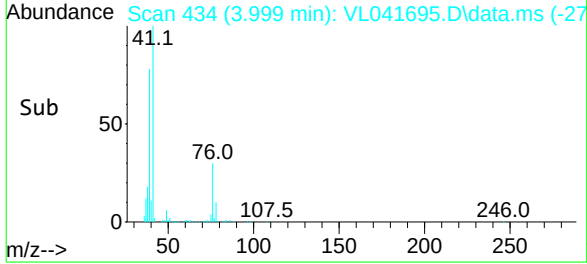
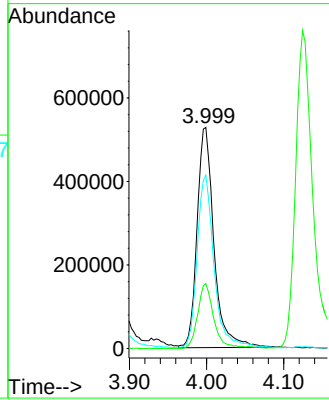
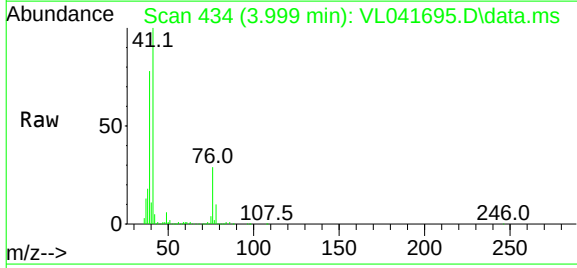
#21  
 Allyl Chloride  
 Concen: 9.810 ppbv  
 RT: 3.999 min Scan# 43  
 Delta R.T. 0.007 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 41 Resp: 803113  
 Ion Ratio Lower Upper  
 41 100  
 76 28.4 23.5 35.3  
 39 78.7 63.0 94.4

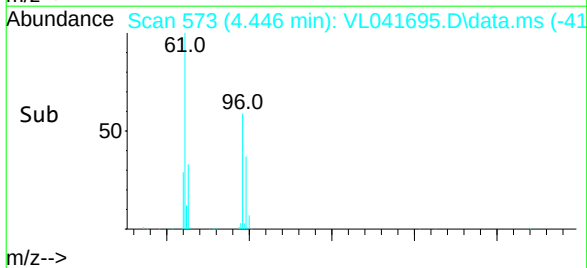
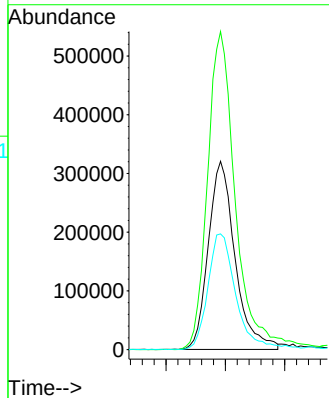
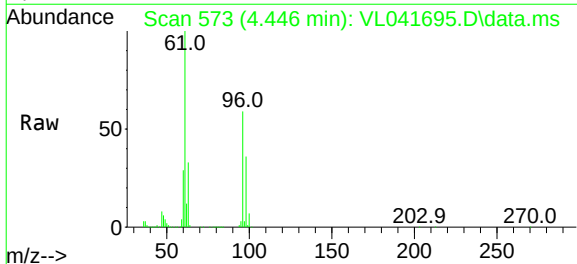
Manual Integrations  
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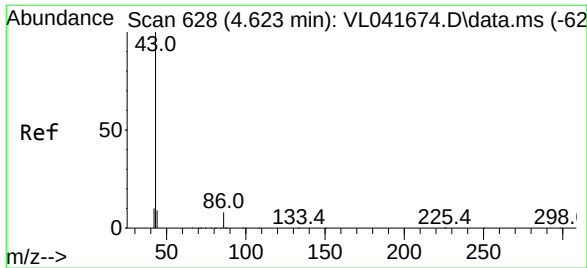
Reviewed By :Mahesh Dadoda 11/09/2024  
 Supervised By :Semsettin Yesilyurt 11/09/2024



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.339 ppbv  
 RT: 4.446 min Scan# 573  
 Delta R.T. 0.003 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

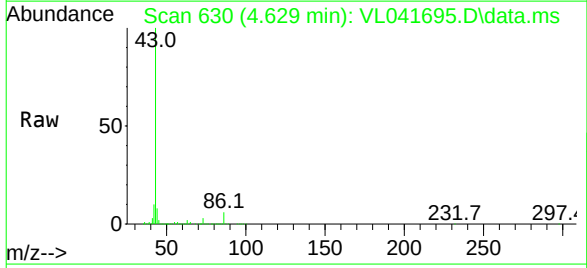
Tgt Ion: 96 Resp: 501680  
 Ion Ratio Lower Upper  
 96 100  
 61 169.0 134.5 201.7  
 98 61.4 49.6 74.4





#23  
Vinyl Acetate  
Concen: 11.693 ppbv  
RT: 4.629 min Scan# 63  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

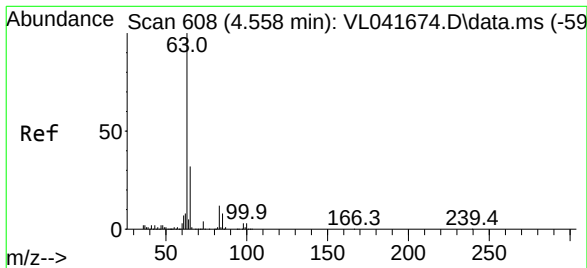
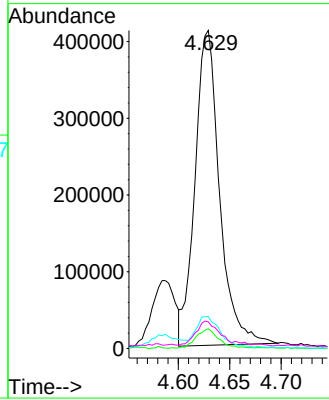
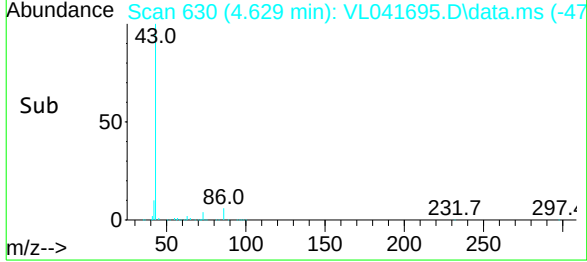
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



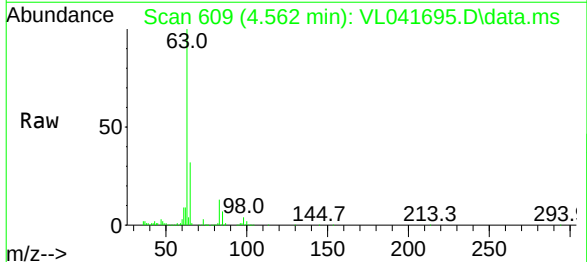
Tgt Ion: 43 Resp: 682931  
Ion Ratio Lower Upper  
43 100  
86 6.2 5.3 7.9  
42 9.9 8.5 12.7  
44 7.5 6.7 10.1

Manual Integrations  
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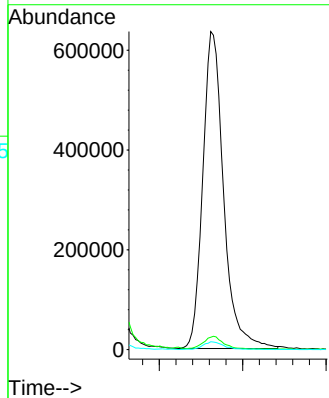
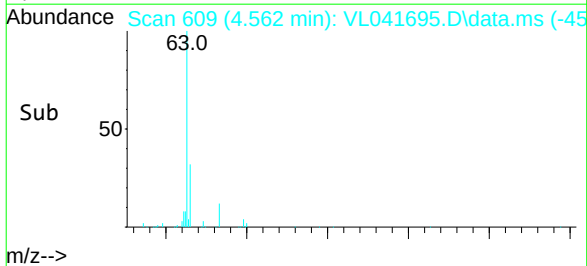
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

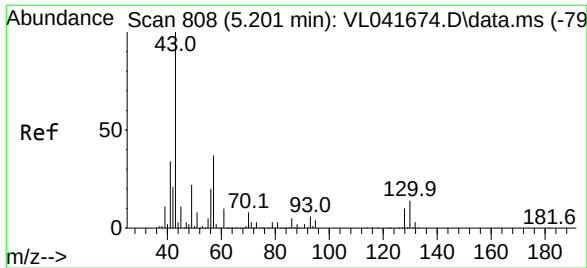


#24  
1,1-Dichloroethane  
Concen: 9.173 ppbv  
RT: 4.562 min Scan# 609  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



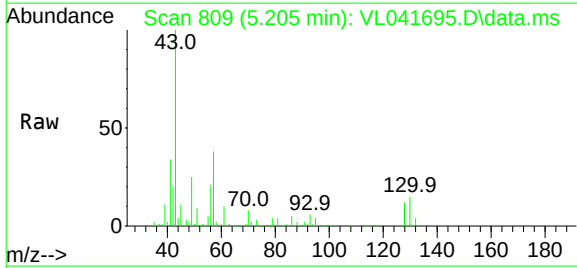
Tgt Ion: 63 Resp: 1099916  
Ion Ratio Lower Upper  
63 100  
98 3.8 1.8 5.4  
100 2.5 1.4 4.2





#25  
Ethyl Acetate  
Concen: 9.219 ppbv  
RT: 5.205 min Scan# 808  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

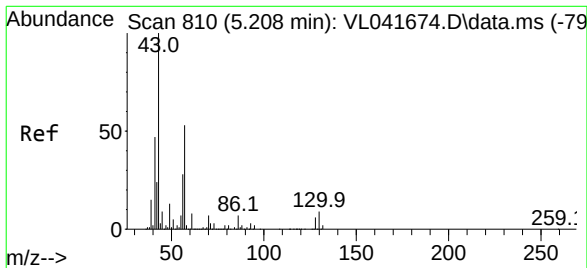
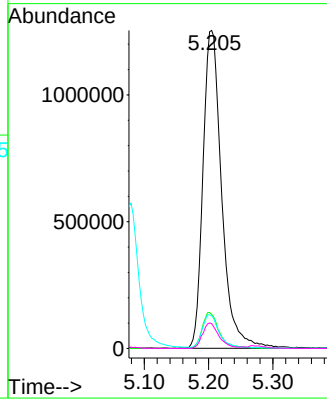
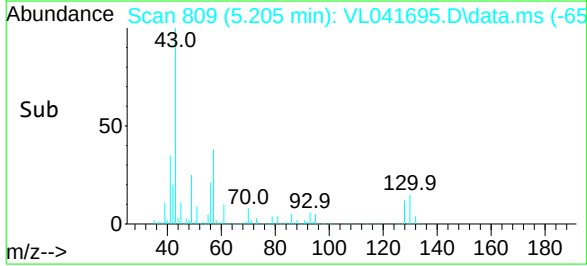
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



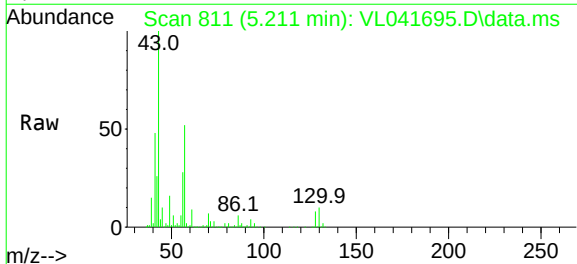
Tgt Ion: 43 Resp: 2528302  
Ion Ratio Lower Upper  
43 100  
45 10.5 8.6 13.0  
61 9.9 8.4 12.6  
70 7.1 5.8 8.6

Manual Integrations  
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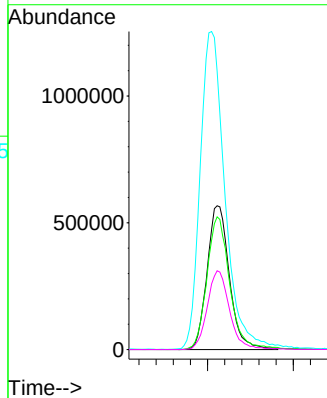
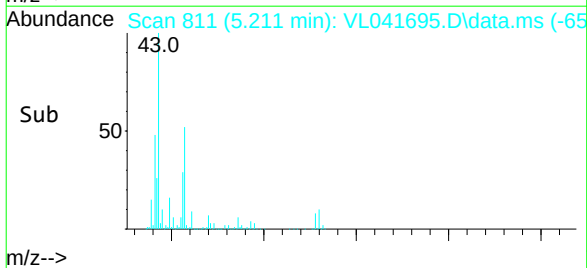
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



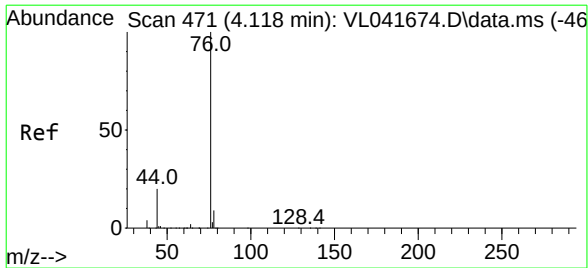
#26  
Hexane  
Concen: 9.718 ppbv  
RT: 5.211 min Scan# 811  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



Tgt Ion: 57 Resp: 1023951  
Ion Ratio Lower Upper  
57 100  
41 95.5 76.1 114.1  
43 247.5 207.0 310.6  
56 55.3 43.7 65.5

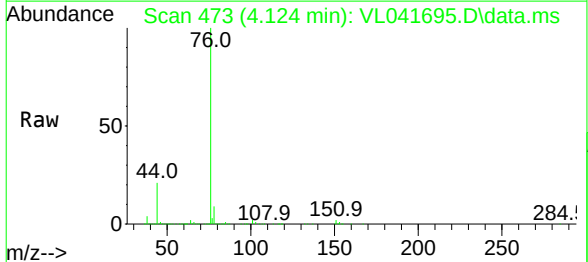






#27  
Carbon Disulfide  
Concen: 10.226 ppbv  
RT: 4.124 min Scan# 471  
Delta R.T. 0.007 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

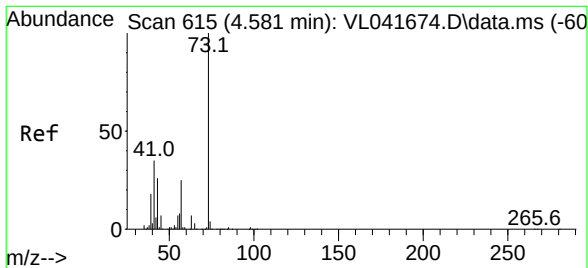
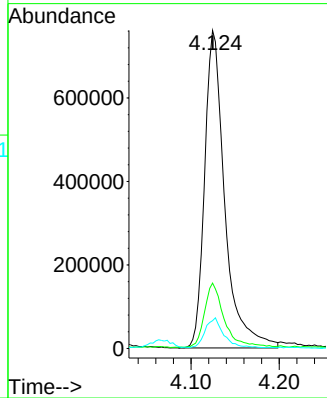
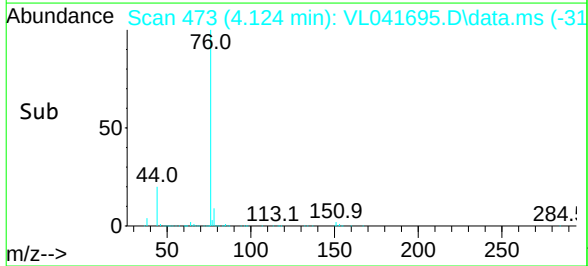
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 76 Resp: 1210492  
Ion Ratio Lower Upper  
76 100  
44 19.6 15.8 23.8  
78 9.8 7.5 11.3

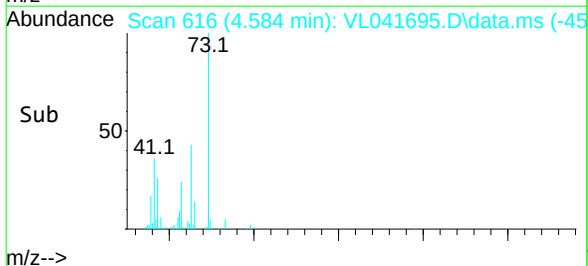
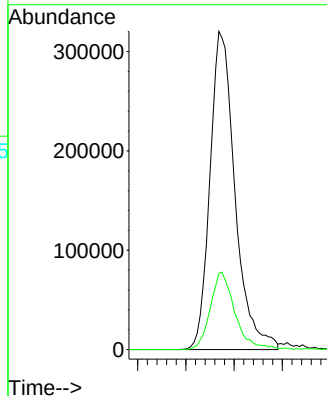
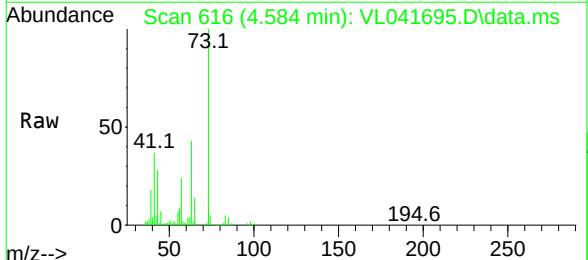
Manual Integrations  
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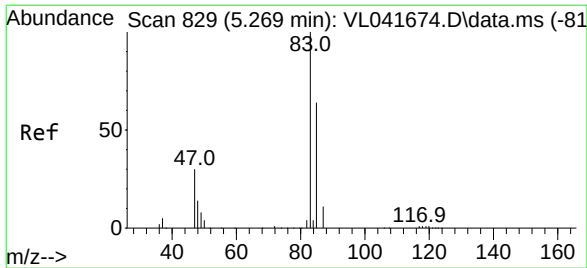
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#28  
Methyl tert-Butyl Ether  
Concen: 8.527 ppbv  
RT: 4.584 min Scan# 616  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 73 Resp: 578570  
Ion Ratio Lower Upper  
73 100  
57 24.1 19.6 29.4





#29

Chloroform

Concen: 9.314 ppbv

RT: 5.272 min Scan# 83

Delta R.T. 0.003 min

Lab File: VL041695.D

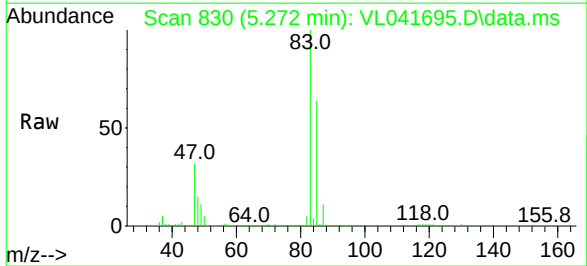
Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion: 83 Resp: 1619811

Ion Ratio Lower Upper

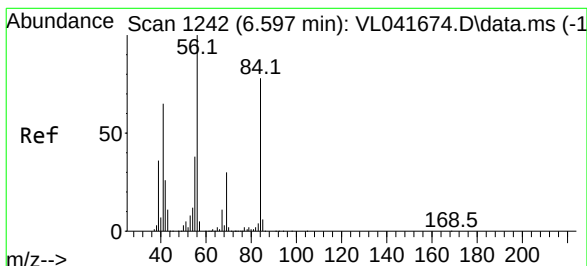
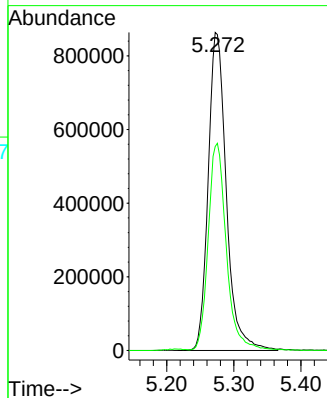
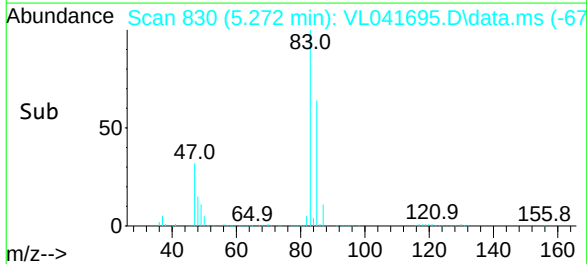
83 100

85 63.7 51.1 76.7

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Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#30

Cyclohexane

Concen: 9.613 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. 0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

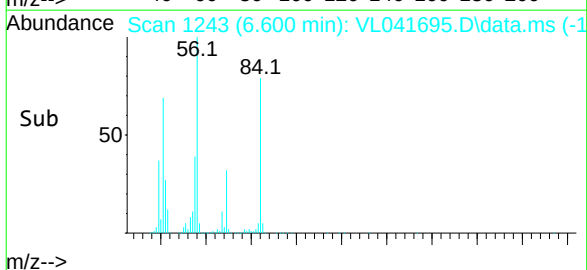
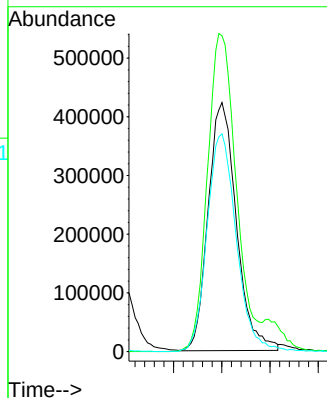
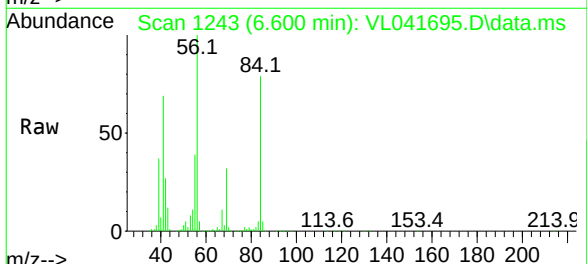
Tgt Ion: 84 Resp: 862378

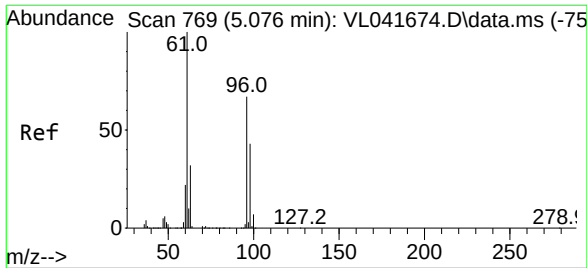
Ion Ratio Lower Upper

84 100

56 140.1 110.8 166.2

41 90.9 70.0 105.0





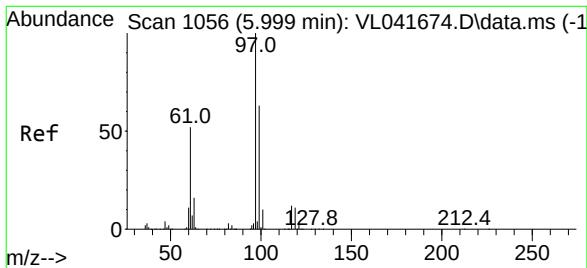
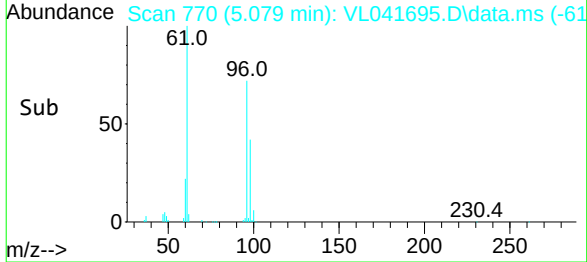
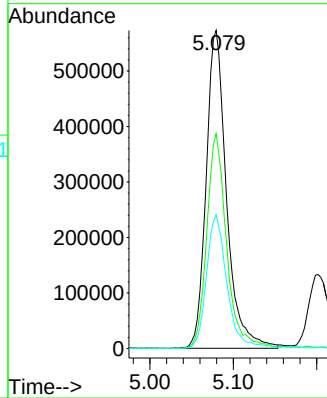
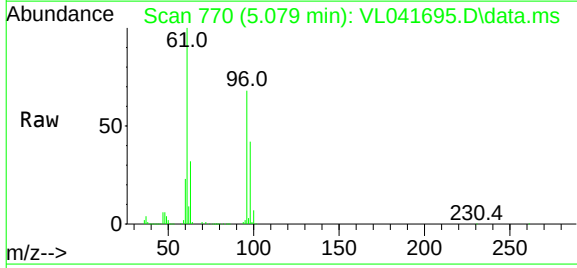
#31  
cis-1,2-Dichloroethene  
Concen: 9.595 ppbv  
RT: 5.079 min Scan# 771  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 61 Resp: 972537  
Ion Ratio Lower Upper  
61 100  
96 67.5 53.4 80.2  
98 41.9 34.0 51.0

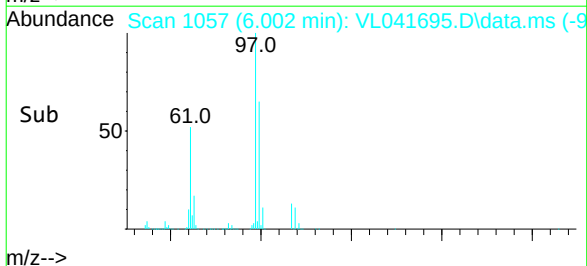
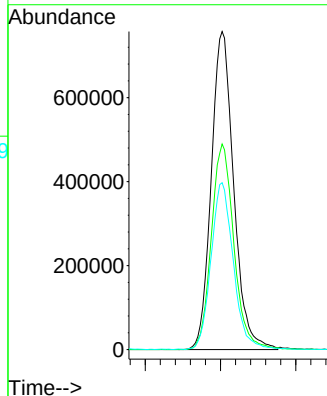
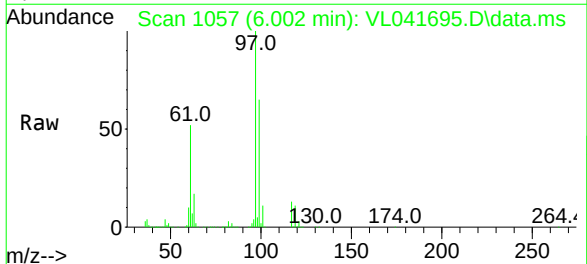
Manual Integrations  
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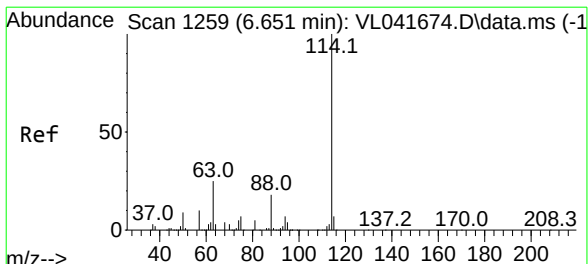
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#32  
1,1,1-Trichloroethane  
Concen: 9.892 ppbv  
RT: 6.002 min Scan# 1057  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 97 Resp: 1569490  
Ion Ratio Lower Upper  
97 100  
99 65.1 51.4 77.2  
61 52.4 41.7 62.5





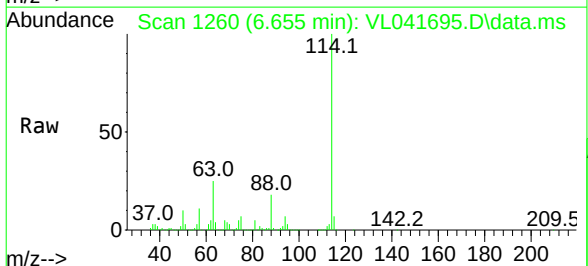
#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 6.655 min Scan# 12  
 Delta R.T. 0.003 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

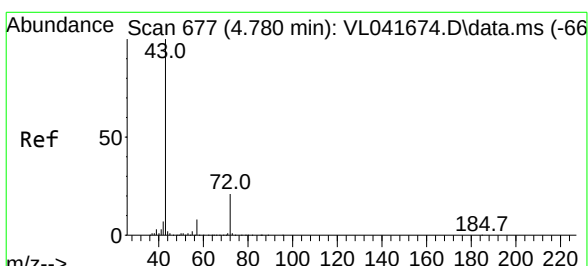
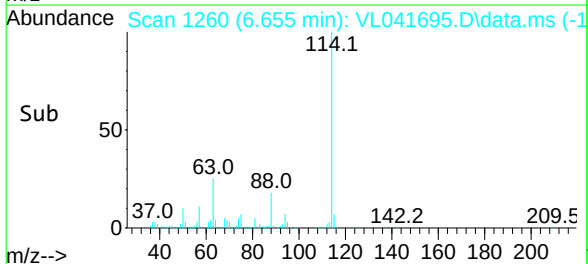
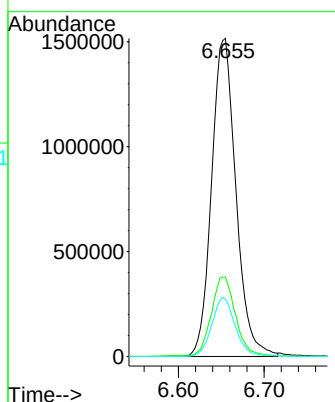


Tgt Ion: 114 Resp: 2989714

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 25.4  | 20.3  | 30.5  |
| 88  | 17.9  | 14.2  | 21.4  |

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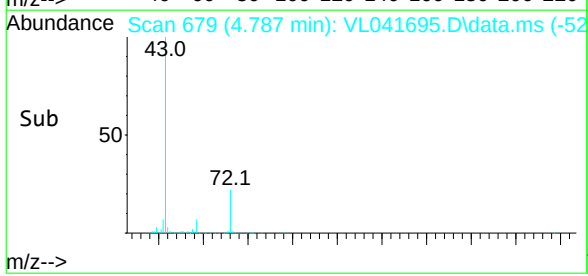
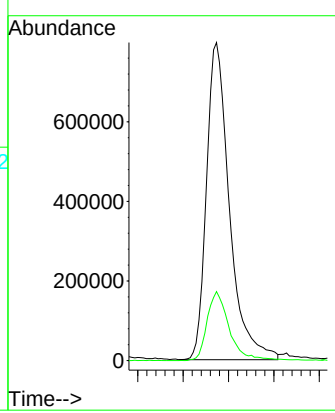
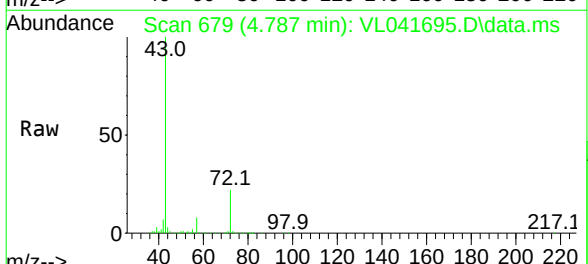
Reviewed By :Mahesh Dadoda 11/09/2024  
 Supervised By :Semsettin Yesilyurt 11/09/2024

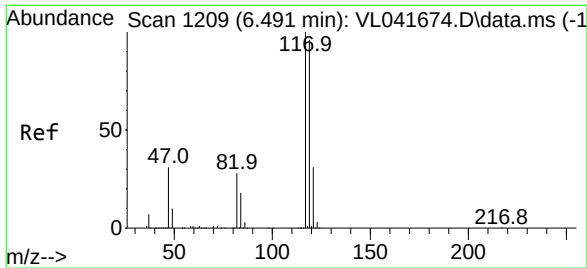


#34  
 2-Butanone  
 Concen: 9.414 ppbv  
 RT: 4.787 min Scan# 679  
 Delta R.T. 0.007 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

Tgt Ion: 43 Resp: 1401455

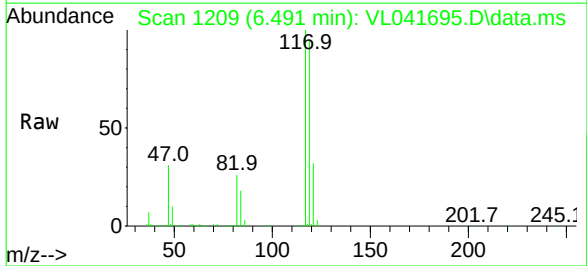
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 21.4  | 17.4  | 26.0  |





#35  
Carbon Tetrachloride  
Concen: 10.572 ppbv  
RT: 6.491 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

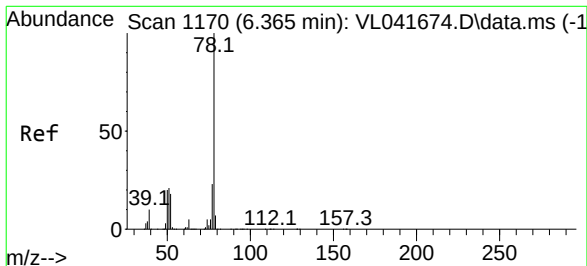
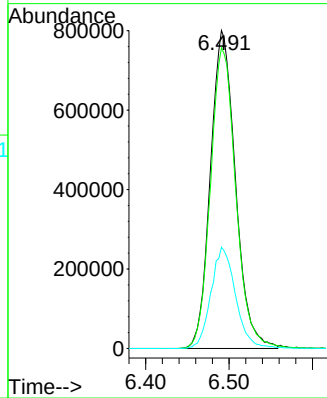
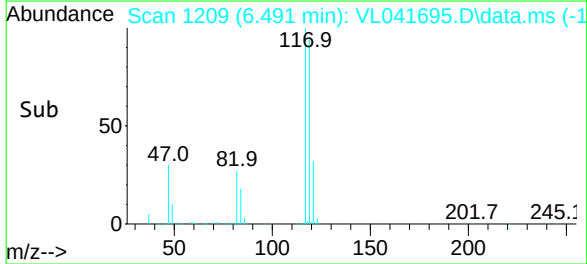
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 117 Resp: 1667580  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.2 115.8  
121 31.9 25.0 37.4

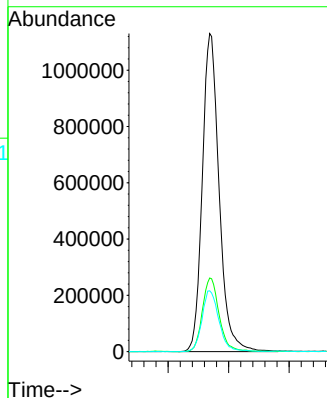
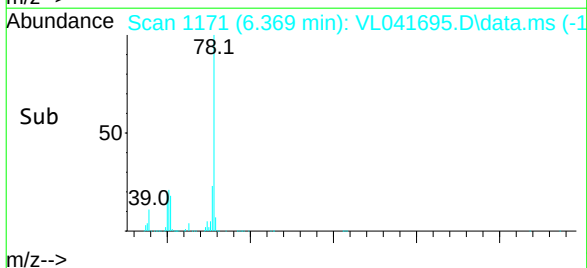
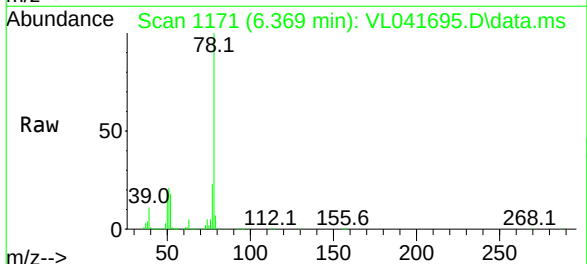
Manual Integrations  
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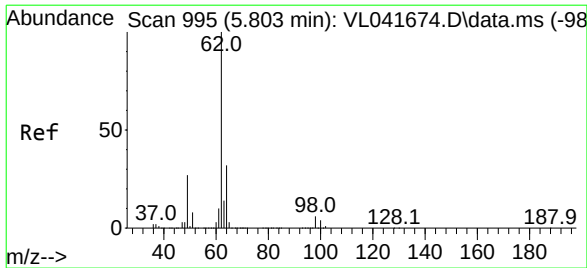
Reviewed By : Mahesh Dadoda 11/09/2024  
Supervised By : Semsettin Yesilyurt 11/09/2024



#36  
Benzene  
Concen: 9.847 ppbv  
RT: 6.369 min Scan# 1171  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

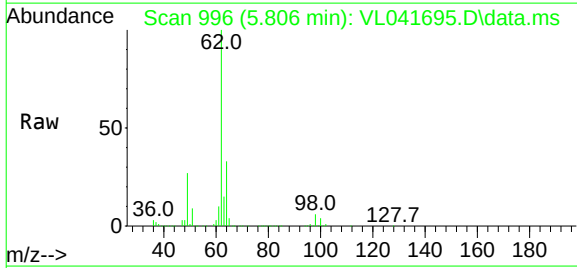
Tgt Ion: 78 Resp: 2181352  
Ion Ratio Lower Upper  
78 100  
77 23.1 18.5 27.7  
50 19.1 15.6 23.4





#37  
1,2-Dichloroethane  
Concen: 9.758 ppbv  
RT: 5.806 min Scan# 995  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

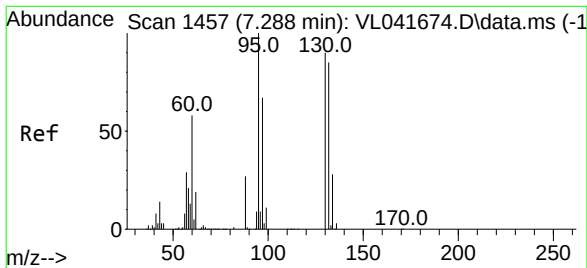
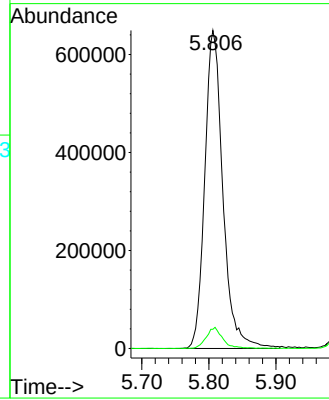
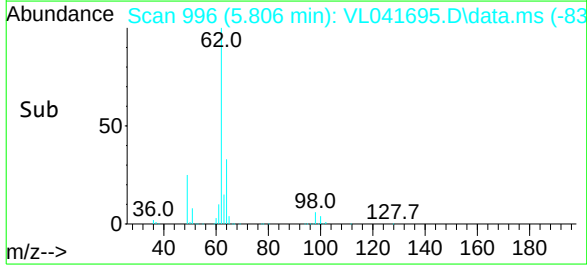
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 62 Resp: 1219445  
Ion Ratio Lower Upper  
62 100  
98 6.2 5.2 7.8

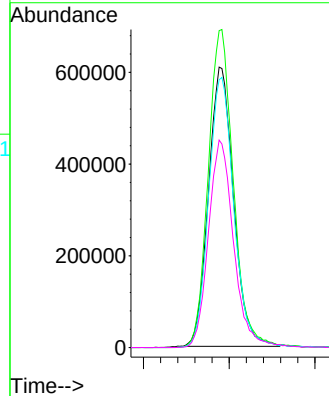
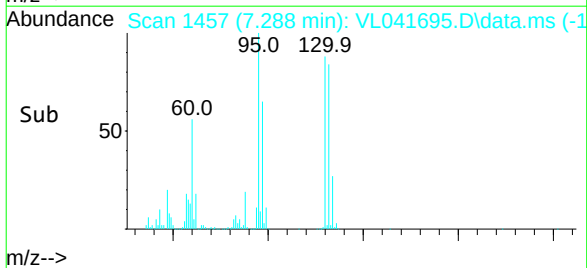
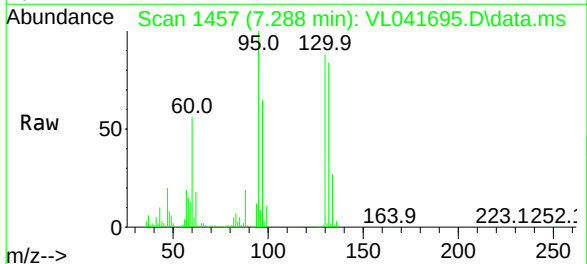
Manual Integrations  
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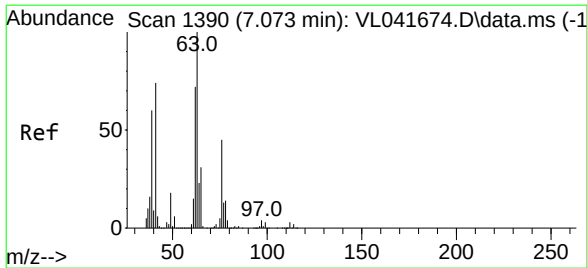
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#38  
Trichloroethene  
Concen: 14.524 ppbv  
RT: 7.288 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

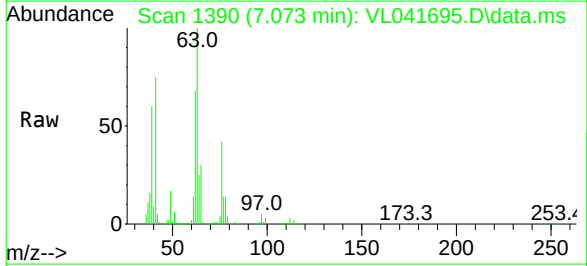
Tgt Ion:130 Resp: 1235656  
Ion Ratio Lower Upper  
130 100  
95 113.3 89.1 133.7  
132 95.7 75.7 113.5  
97 74.2 60.0 90.0





#39  
1,2-Dichloropropane  
Concen: 9.656 ppbv  
RT: 7.073 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

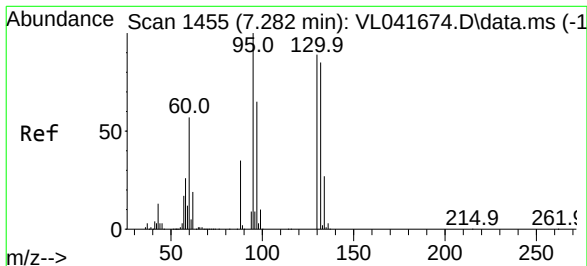
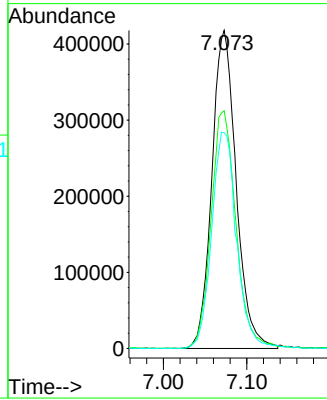
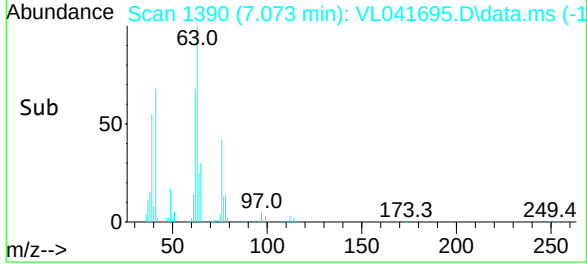
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 63 Resp: 845320  
Ion Ratio Lower Upper  
63 100  
41 74.7 59.1 88.7  
62 67.8 57.7 86.5

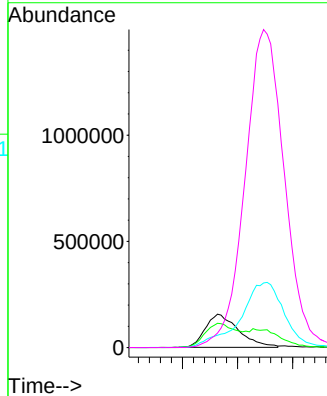
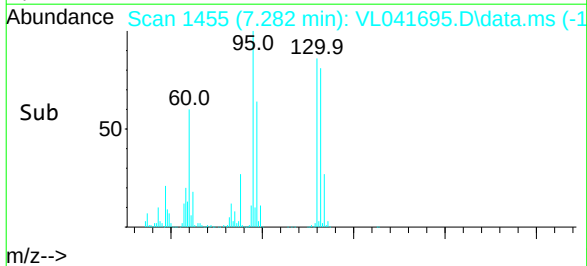
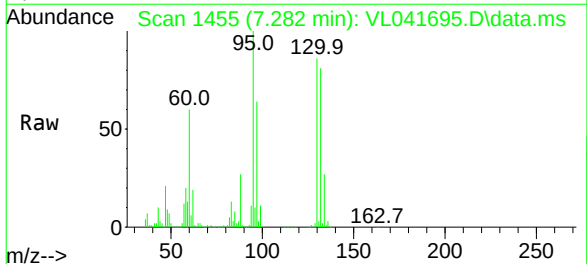
Manual Integrations  
APPROVED

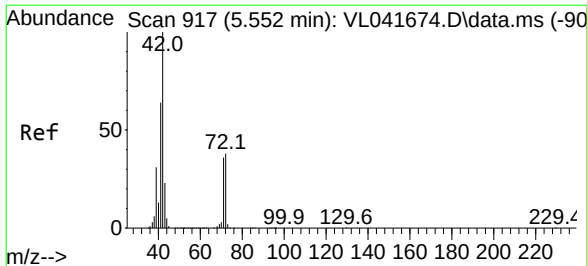
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#40  
1,4-Dioxane  
Concen: 10.428 ppbv  
RT: 7.282 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

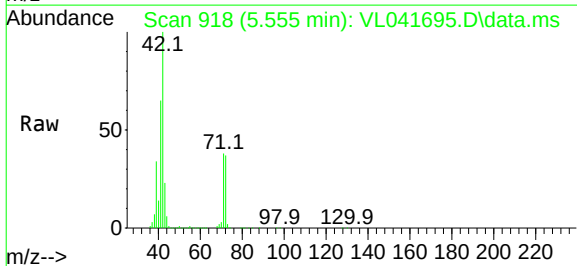
Tgt Ion: 88 Resp: 327544  
Ion Ratio Lower Upper  
88 100  
58 127.4 101.4 152.2  
43 0.0 208.0 312.0#  
57 0.0 902.9 1354.3#





#41  
Tetrahydrofuran  
Concen: 9.957 ppbv  
RT: 5.555 min Scan# 917  
Delta R.T. 0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

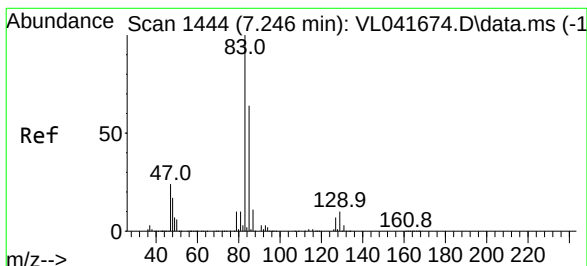
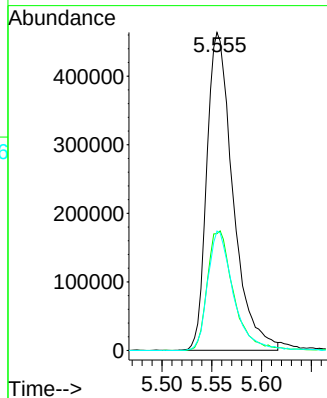
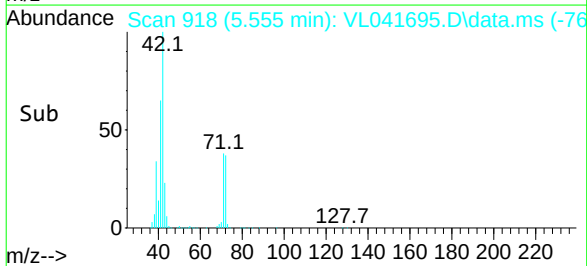
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 42 Resp: 846496  
Ion Ratio Lower Upper  
42 100  
72 38.2 29.8 44.6  
71 37.3 29.4 44.2

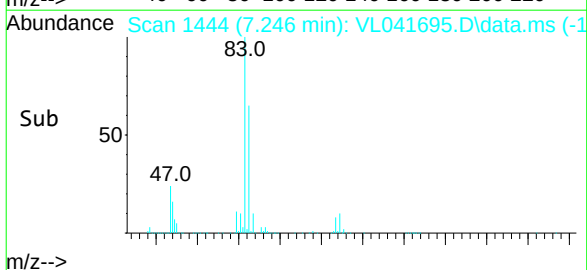
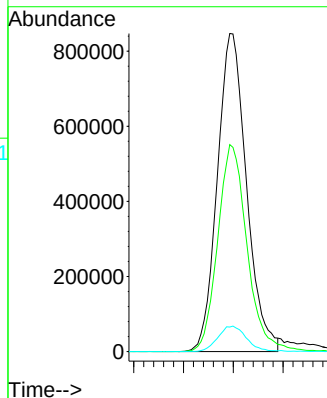
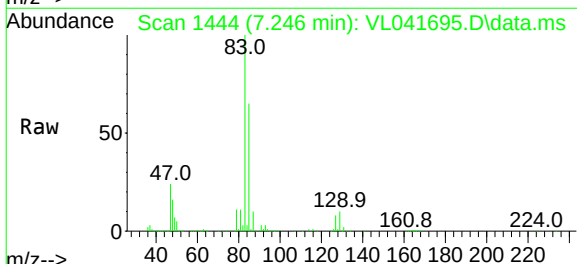
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

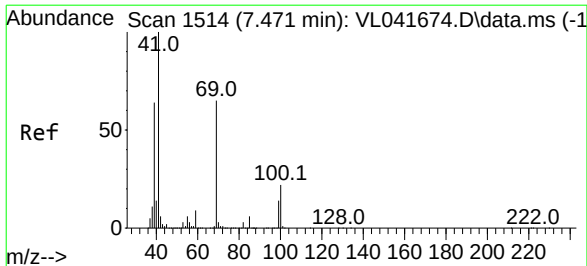


#42  
Bromodichloromethane  
Concen: 9.931 ppbv  
RT: 7.246 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 83 Resp: 1724577  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.2 76.8  
127 7.7 6.0 9.0







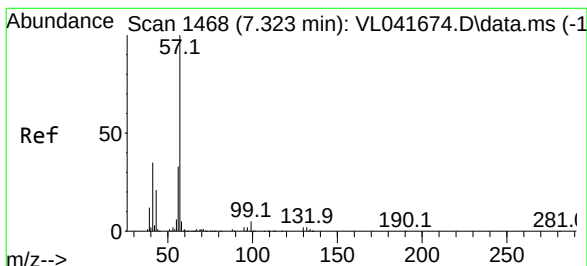
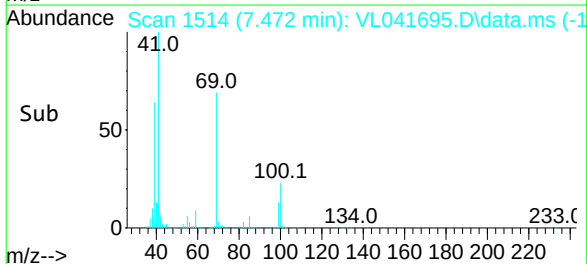
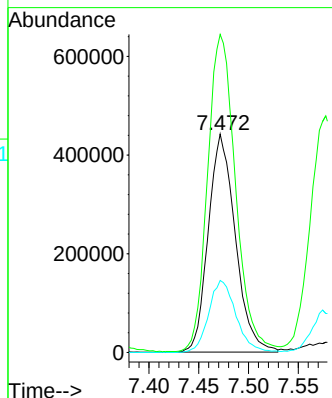
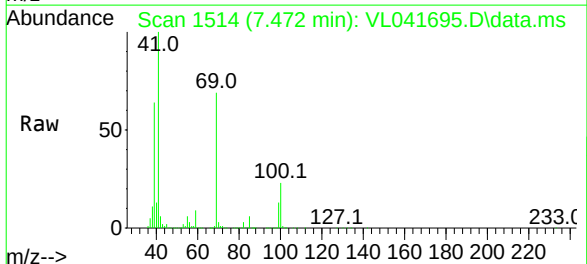
#43  
Methyl Methacrylate  
Concen: 10.730 ppbv  
RT: 7.472 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 69 Resp: 834601  
Ion Ratio Lower Upper  
69 100  
41 151.9 119.8 179.6  
100 33.6 27.3 40.9

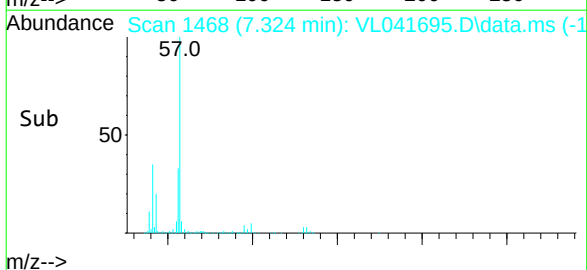
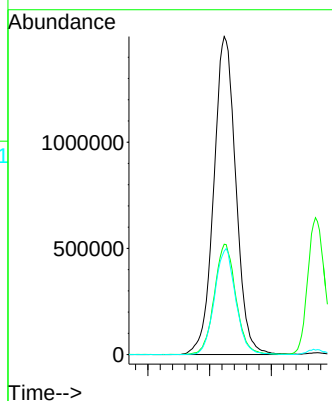
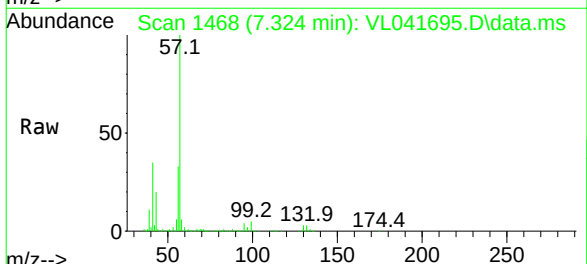
Manual Integrations  
APPROVED

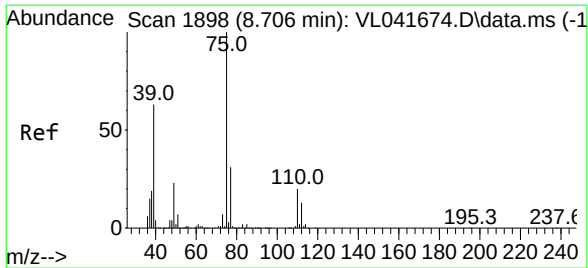
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#44  
2,2,4-Trimethylpentane  
Concen: 9.922 ppbv  
RT: 7.324 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

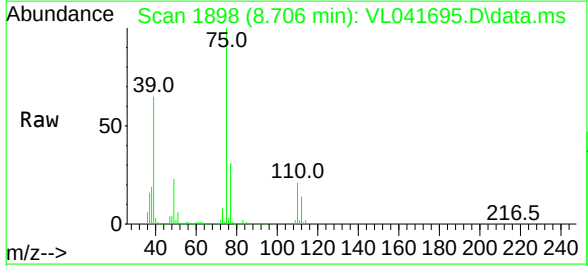
Tgt Ion: 57 Resp: 3723039  
Ion Ratio Lower Upper  
57 100  
41 33.8 27.0 40.6  
56 32.0 25.8 38.6





#45  
t-1,3-Dichloropropene  
Concen: 9.769 ppbv  
RT: 8.706 min Scan# 1898  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

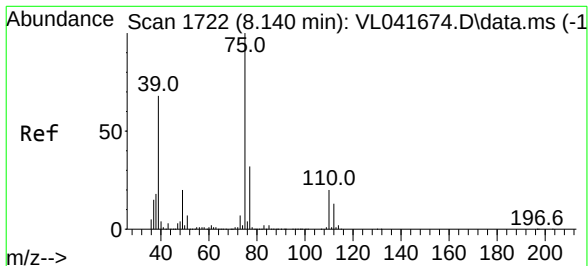
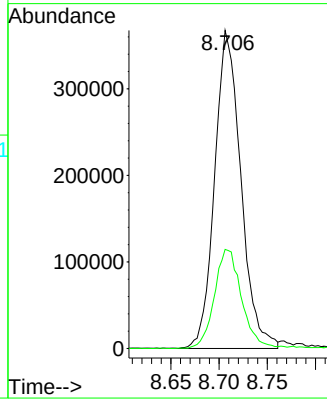
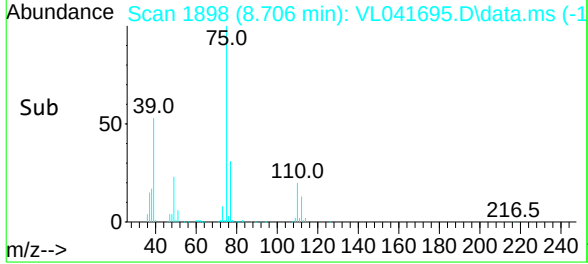
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



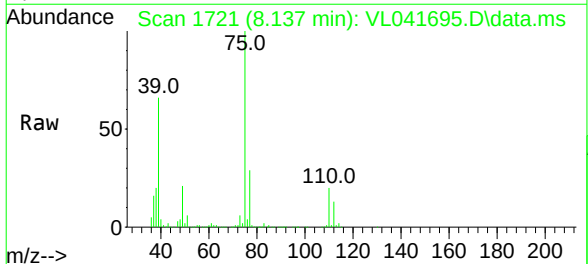
Tgt Ion: 75 Resp: 694300  
Ion Ratio Lower Upper  
75 100  
77 31.2 24.7 37.1

Manual Integrations  
APPROVED

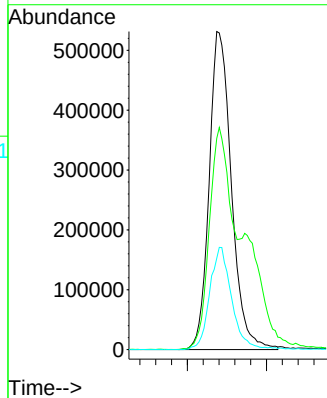
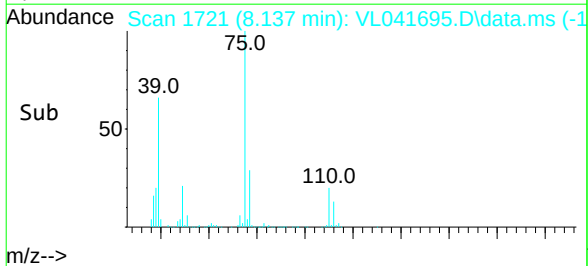
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

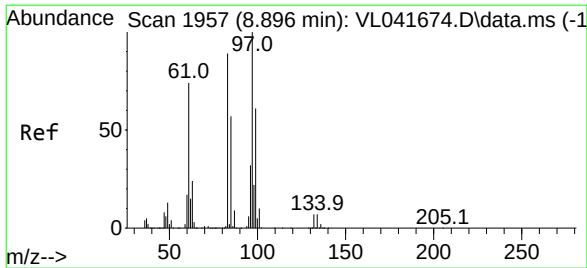


#46  
cis-1,3-Dichloropropene  
Concen: 10.175 ppbv  
RT: 8.137 min Scan# 1721  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



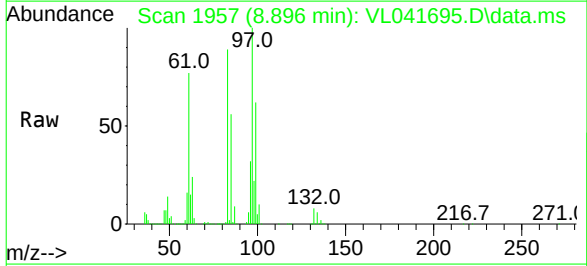
Tgt Ion: 75 Resp: 1038635  
Ion Ratio Lower Upper  
75 100  
39 66.4 54.1 81.1  
77 28.7 25.3 37.9





#47  
1,1,2-Trichloroethane  
Concen: 9.641 ppbv  
RT: 8.896 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

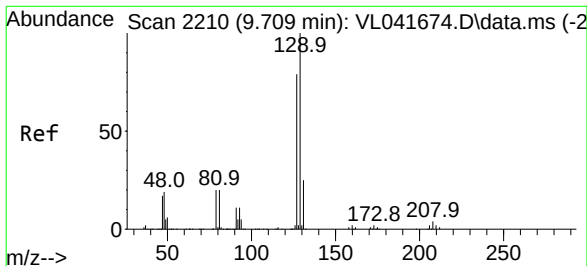
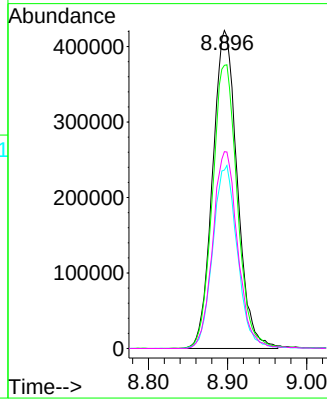
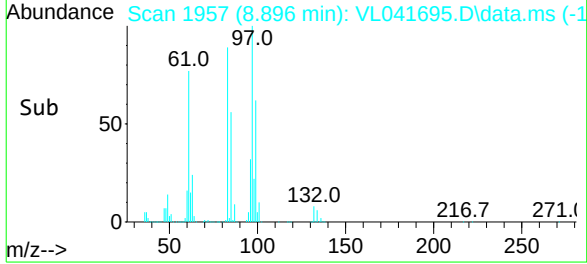
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 97 Resp: 913423  
Ion Ratio Lower Upper  
97 100  
83 89.0 71.0 106.6  
85 56.1 45.4 68.2  
99 61.9 49.0 73.6

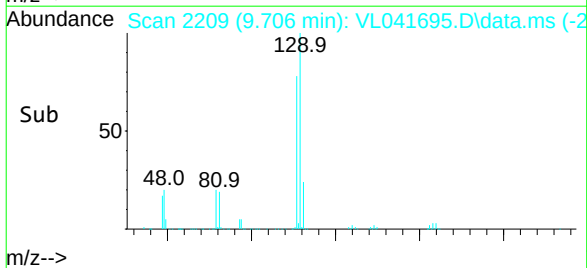
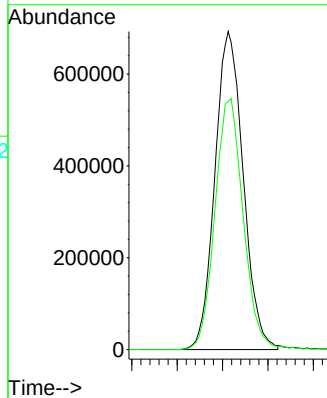
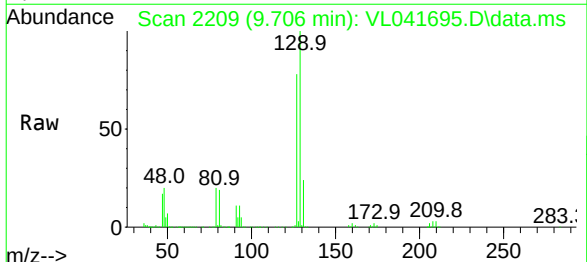
Manual Integrations  
APPROVED

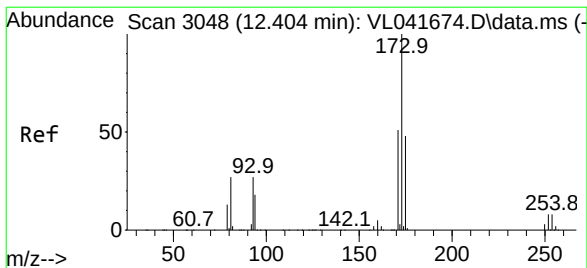
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#48  
Dibromochloromethane  
Concen: 10.419 ppbv  
RT: 9.706 min Scan# 2209  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion:129 Resp: 1500662  
Ion Ratio Lower Upper  
129 100  
127 79.1 39.1 117.2





#49

Bromoform

Concen: 10.937 ppbv

RT: 12.401 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

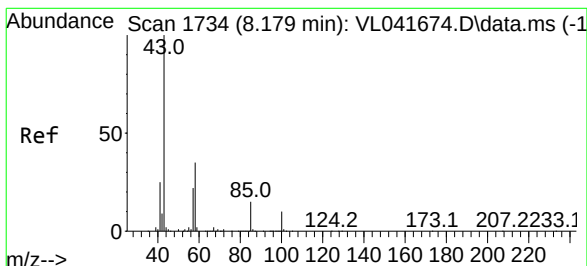
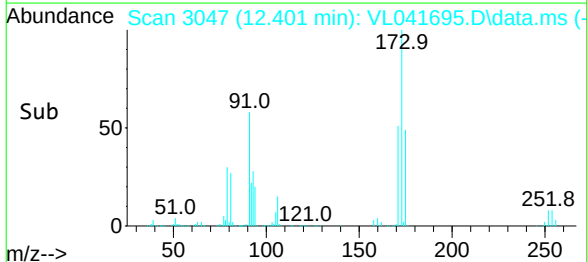
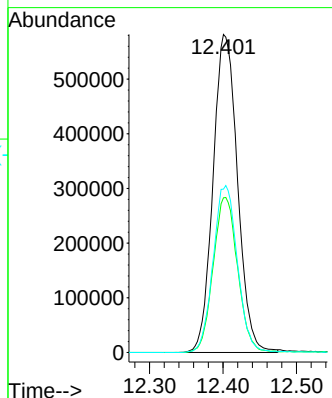
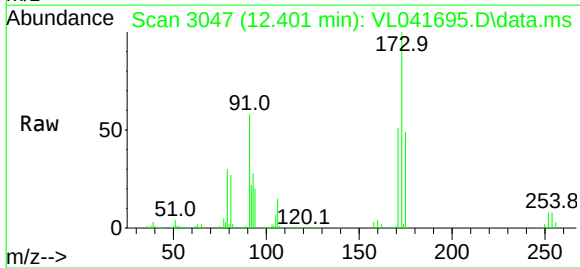
Tgt Ion: 173 Resp: 1347774

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 48.9  | 39.2  | 58.8  |
| 171 | 52.2  | 41.7  | 62.5  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#50

4-Methyl-2-Pentanone

Concen: 10.521 ppbv

RT: 8.179 min Scan# 1734

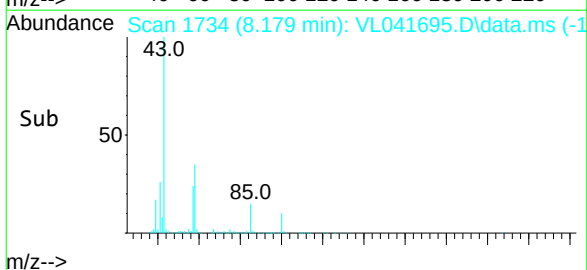
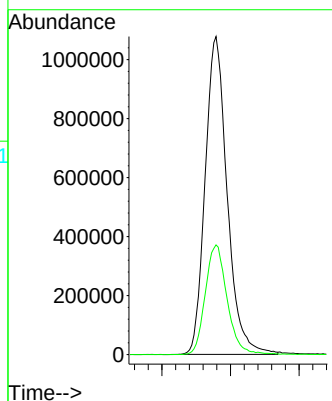
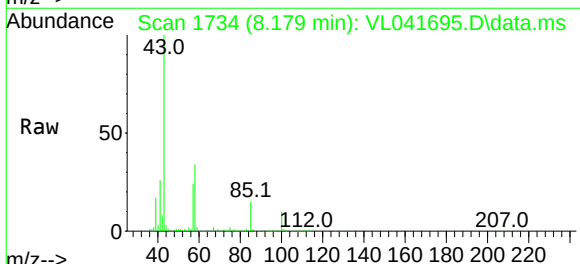
Delta R.T. 0.000 min

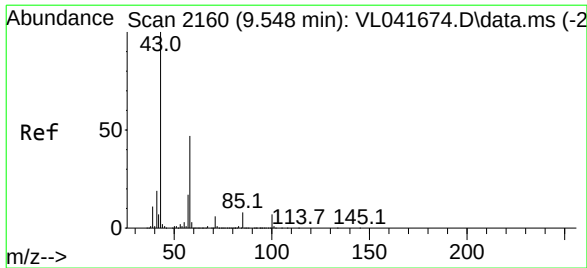
Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion: 43 Resp: 2404385

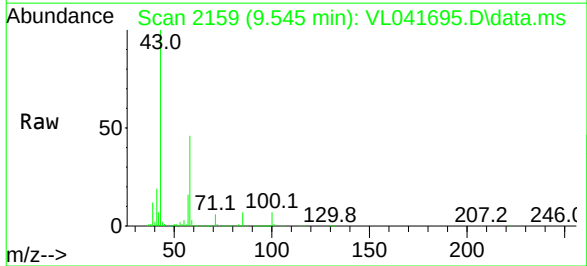
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 34.4  | 27.7  | 41.5  |





#51  
2-Hexanone  
Concen: 11.168 ppbv  
RT: 9.545 min Scan# 2160  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

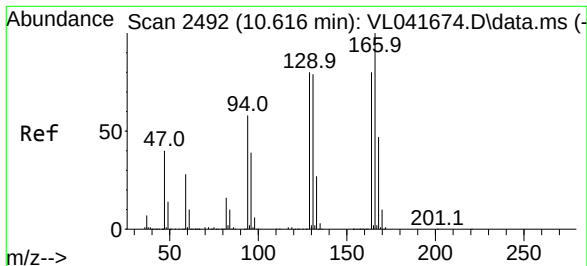
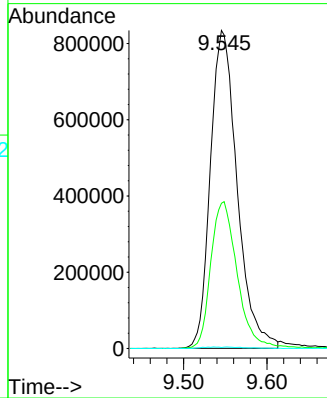
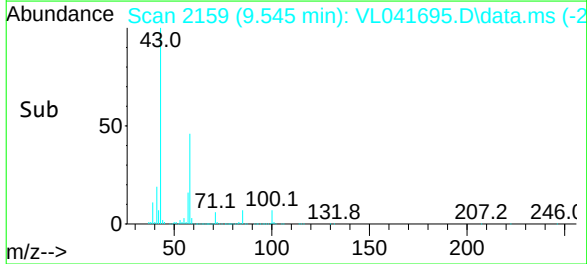
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 1858610  
Ion Ratio Lower Upper  
43 100  
58 46.3 37.0 55.6  
98 0.7 0.6 0.8

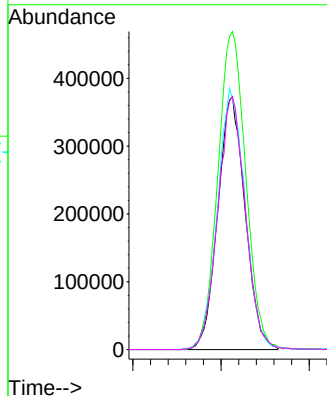
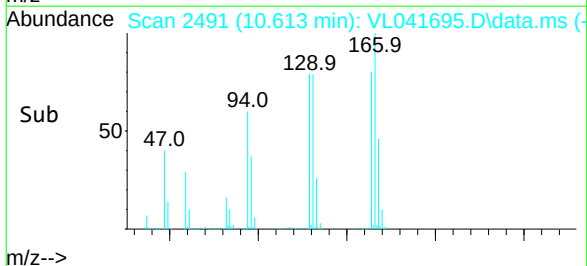
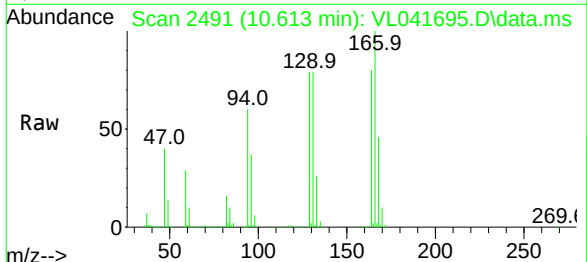
Manual Integrations  
APPROVED

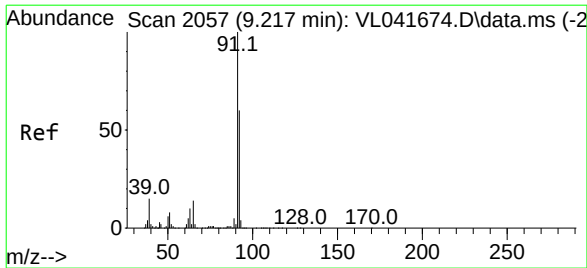
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#52  
Tetrachloroethene  
Concen: 10.632 ppbv  
RT: 10.613 min Scan# 2491  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

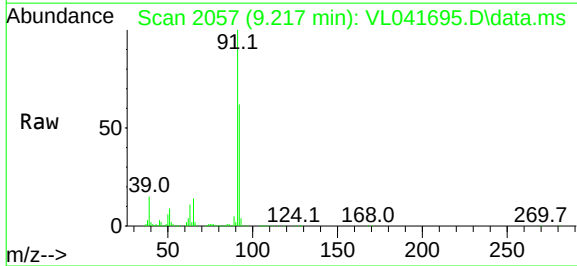
Tgt Ion:164 Resp: 802617  
Ion Ratio Lower Upper  
164 100  
166 125.8 100.2 150.4  
129 99.0 79.7 119.5  
131 100.0 79.0 118.4





#53  
Toluene  
Concen: 10.790 ppbv  
RT: 9.217 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

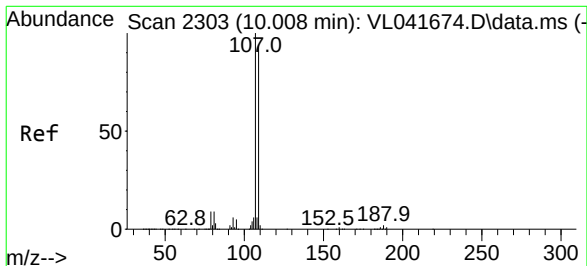
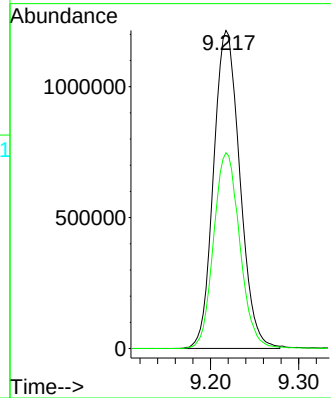
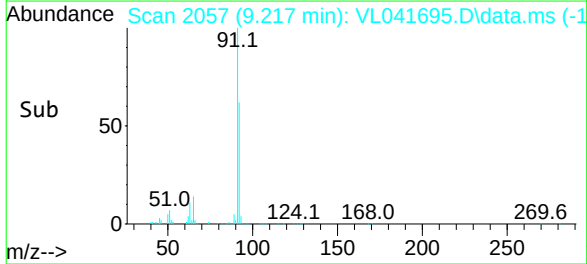
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



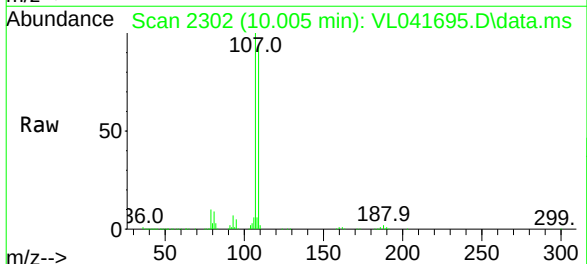
Tgt Ion: 91 Resp: 2513473  
Ion Ratio Lower Upper  
91 100  
92 61.5 49.0 73.4

Manual Integrations  
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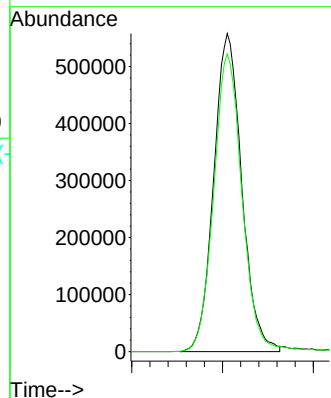
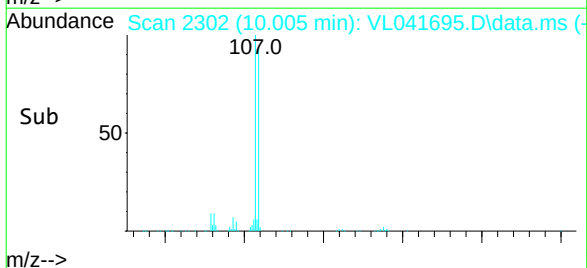
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

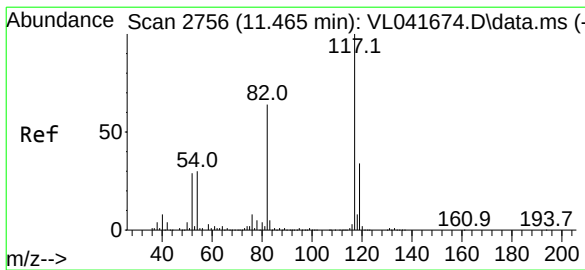


#54  
1,2-Dibromoethane  
Concen: 10.803 ppbv  
RT: 10.005 min Scan# 2302  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



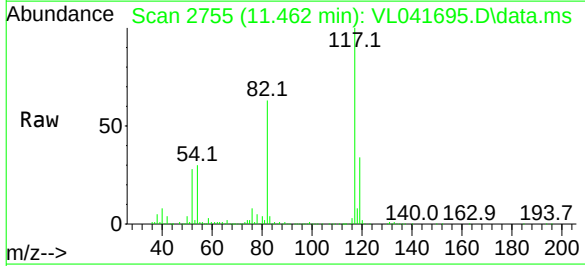
Tgt Ion:107 Resp: 1195844  
Ion Ratio Lower Upper  
107 100  
109 93.4 74.9 112.3





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 11.462 min Scan# 2756  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

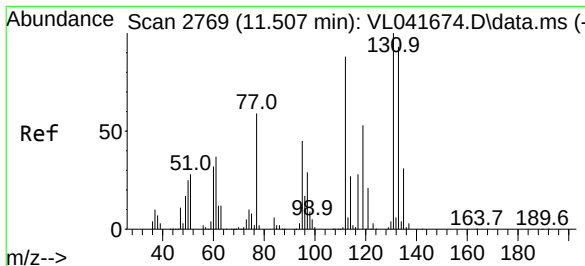
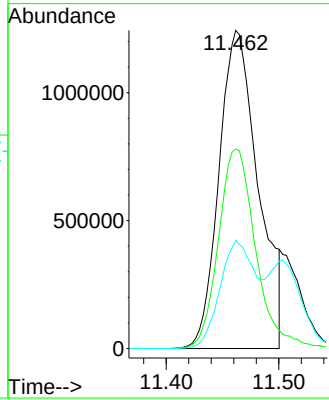
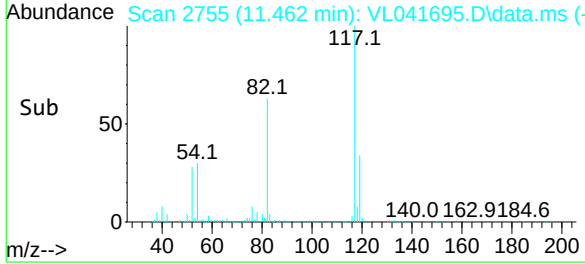
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:117 Resp: 3013038  
Ion Ratio Lower Upper  
117 100  
82 60.1 49.8 74.8  
119 28.4 24.2 36.4

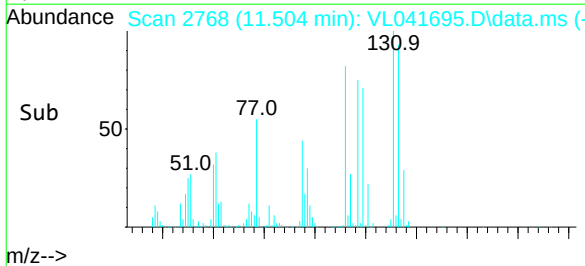
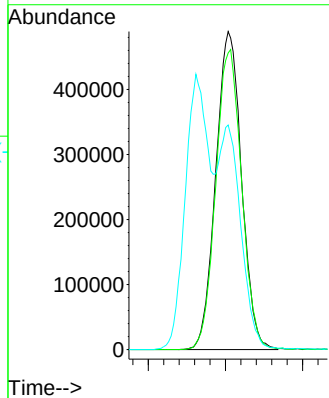
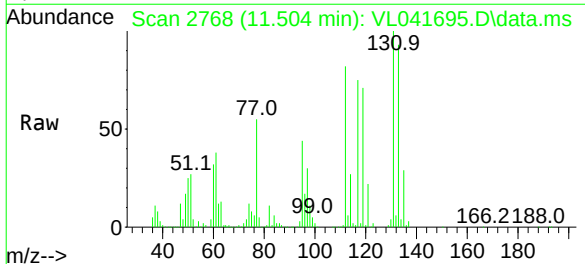
Manual Integrations  
APPROVED

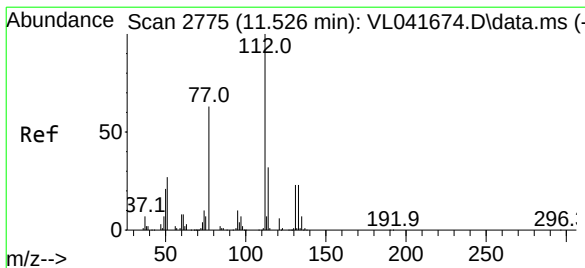
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.121 ppbv  
RT: 11.504 min Scan# 2768  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion:131 Resp: 1133444  
Ion Ratio Lower Upper  
131 100  
133 95.1 76.5 114.7  
119 60.2 49.8 74.8





#57

Chlorobenzene

Concen: 9.023 ppbv

RT: 11.523 min Scan# 2775

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:112 Resp: 2010706

Ion Ratio Lower Upper

112 100

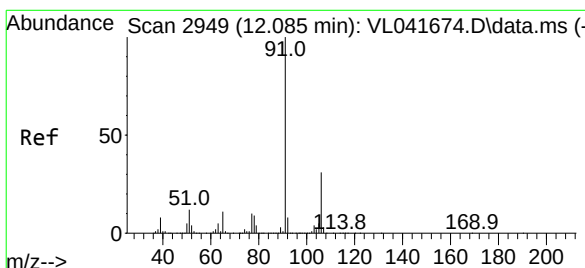
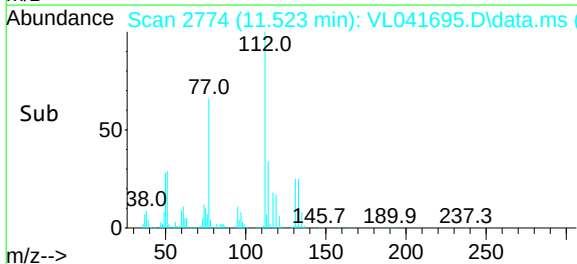
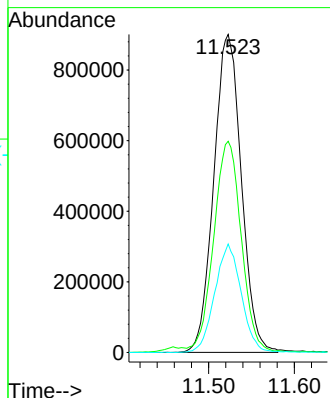
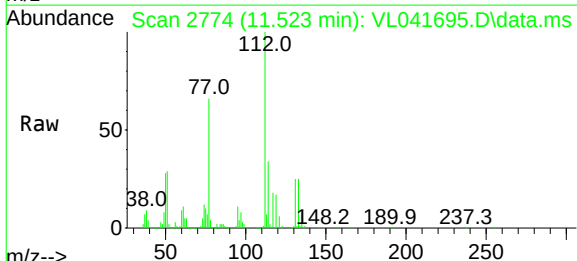
77 65.8 51.4 77.2

114 34.1 28.4 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#58

Ethyl Benzene

Concen: 10.395 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041695.D

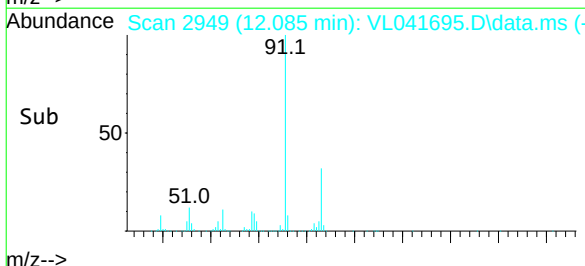
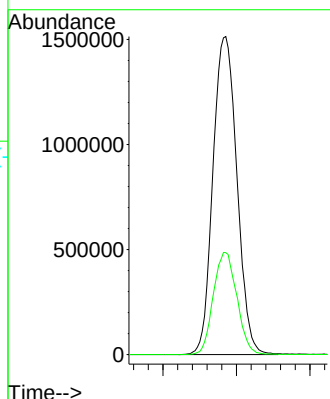
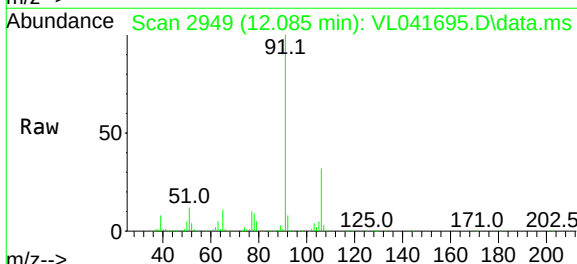
Acq: 8 Nov 2024 2:18

Tgt Ion: 91 Resp: 3433522

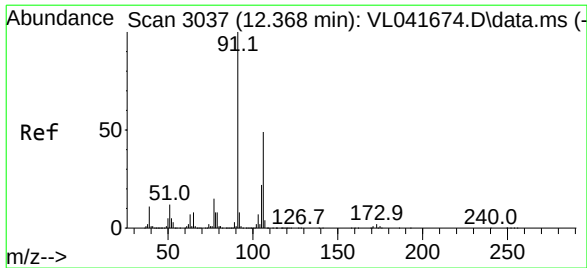
Ion Ratio Lower Upper

91 100

106 32.0 24.9 37.3

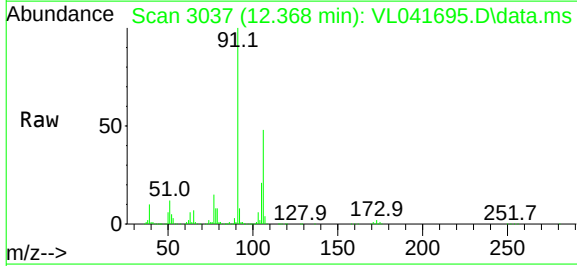






#59  
m/p-Xylene  
Concen: 20.143 ppbv m  
RT: 12.368 min Scan# 3037  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

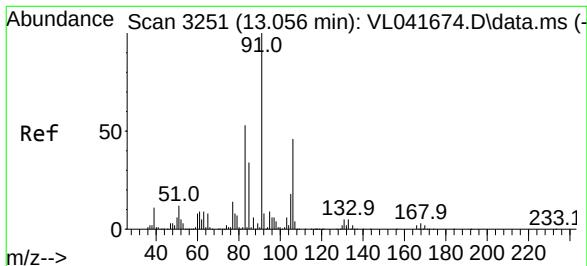
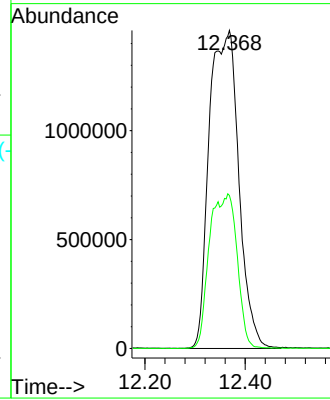
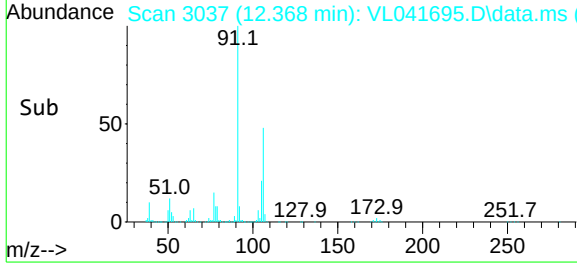
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



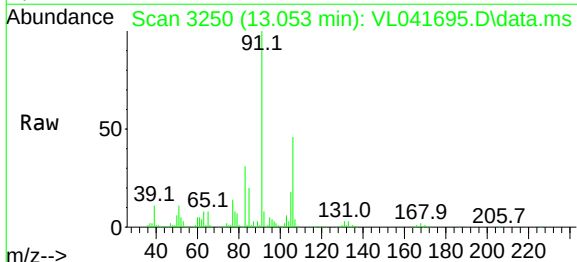
Tgt Ion: 91 Resp: 5958318  
Ion Ratio Lower Upper  
91 100  
106 45.6 36.9 55.3

Manual Integrations  
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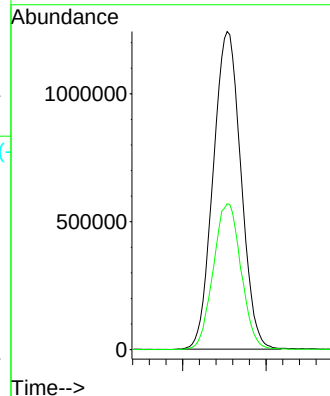
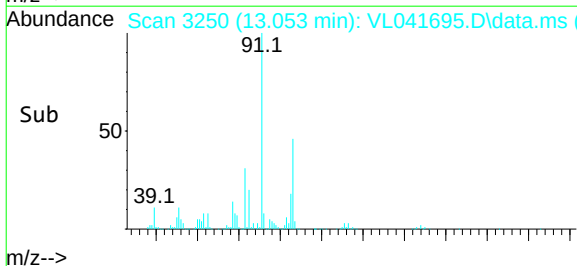
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

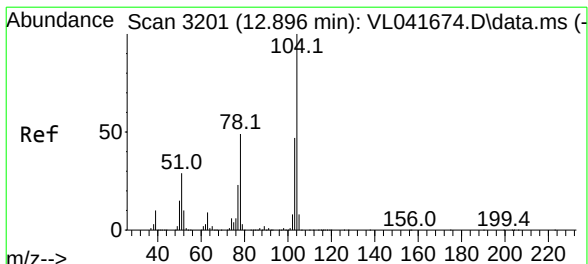


#60  
o-Xylene  
Concen: 10.179 ppbv  
RT: 13.053 min Scan# 3250  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



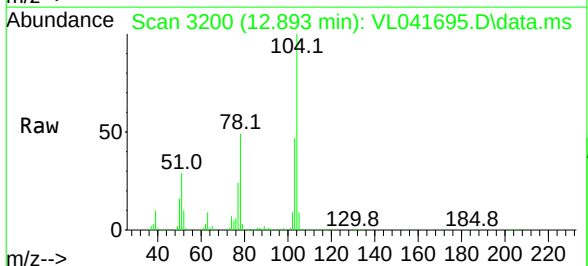
Tgt Ion: 91 Resp: 2871187  
Ion Ratio Lower Upper  
91 100  
106 46.3 23.2 69.6





#61  
 Styrene  
 Concen: 11.668 ppbv  
 RT: 12.893 min Scan# 3201  
 Delta R.T. -0.003 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

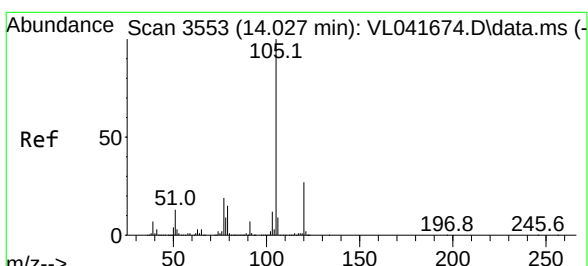
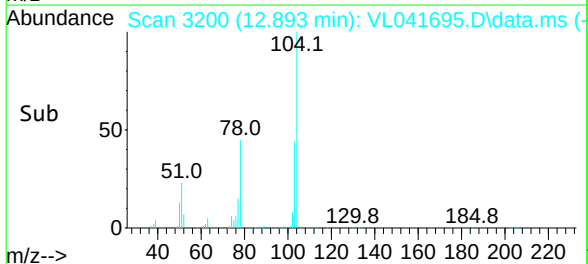
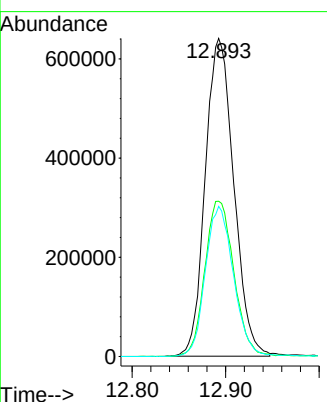
Instrument : MSVOA\_L  
 ClientSampleId : VSTDCCC010EC



Tgt Ion:104 Resp: 1358389

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 104 | 100   |       |       |
| 78  | 50.0  | 39.8  | 59.8  |
| 103 | 46.9  | 37.4  | 56.0  |

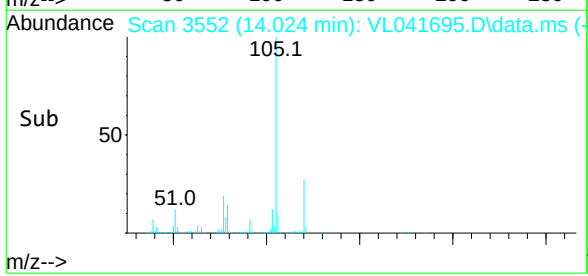
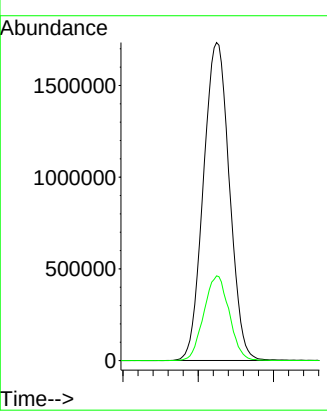
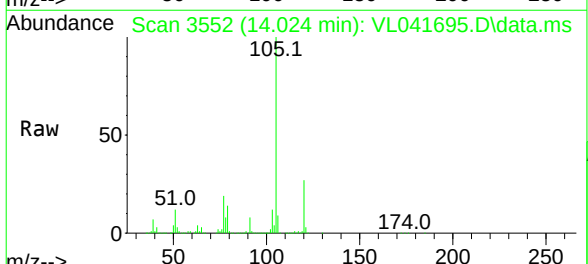
Manual Integrations  
**APPROVED**  
 Reviewed By :Mahesh Dadoda 11/09/2024  
 Supervised By :Semsettin Yesilyurt 11/09/2024

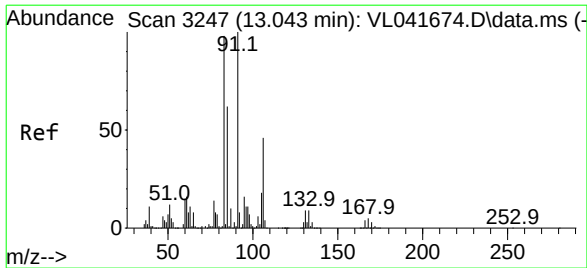


#62  
 Isopropylbenzene  
 Concen: 9.545 ppbv  
 RT: 14.024 min Scan# 3552  
 Delta R.T. -0.003 min  
 Lab File: VL041695.D  
 Acq: 8 Nov 2024 2:18

Tgt Ion:105 Resp: 4158014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 26.1  | 21.1  | 31.7  |





#63

1,1,2,2-Tetrachloroethane

Concen: 5.554 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 1152476

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

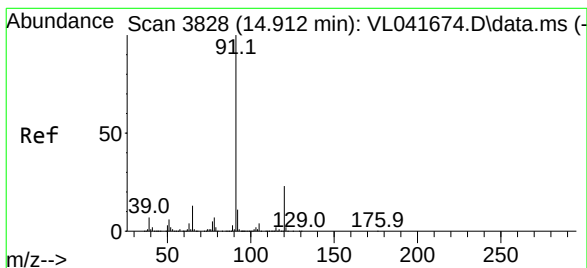
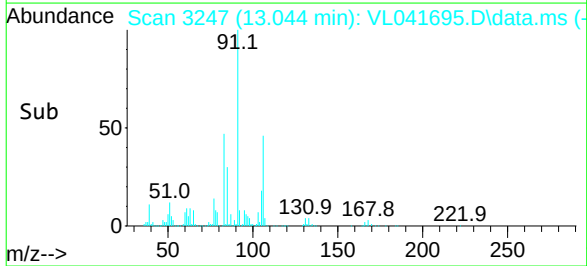
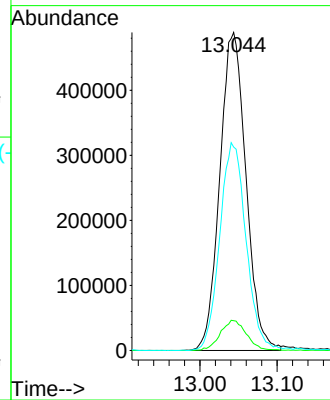
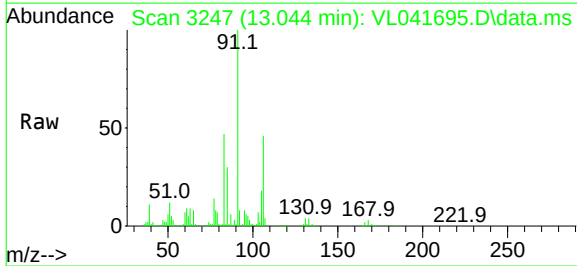
85 66.2 32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#64

n-propylbenzene

Concen: 9.772 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.000 min

Lab File: VL041695.D

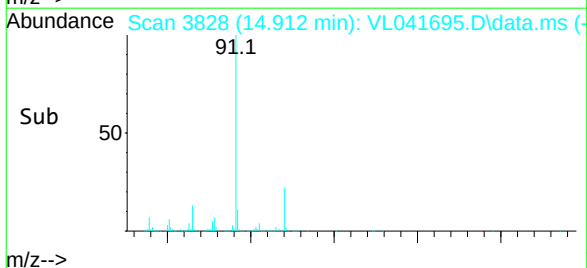
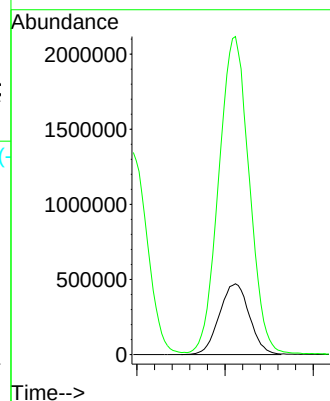
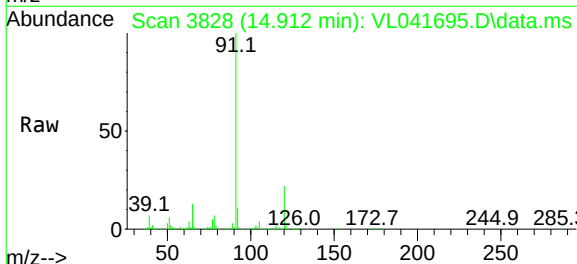
Acq: 8 Nov 2024 2:18

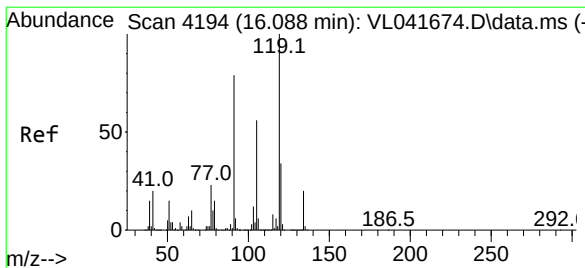
Tgt Ion:120 Resp: 1114366

Ion Ratio Lower Upper

120 100

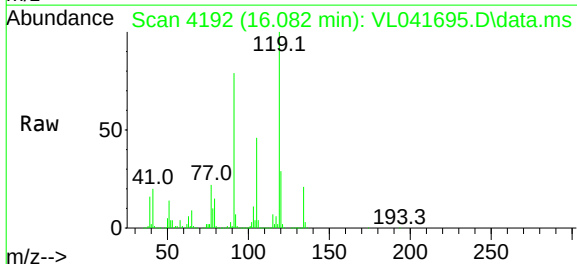
91 457.5 362.4 543.6





#65  
tert-Butylbenzene  
Concen: 9.540 ppbv  
RT: 16.082 min Scan# 4194  
Delta R.T. -0.006 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

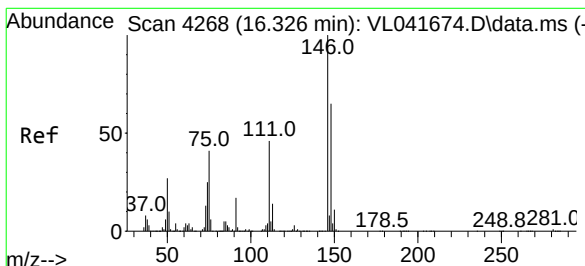
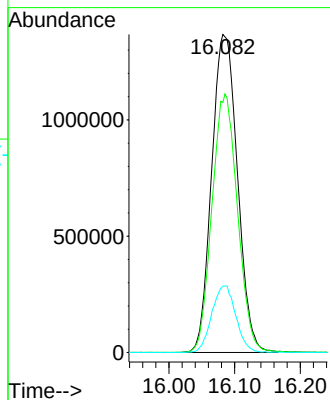
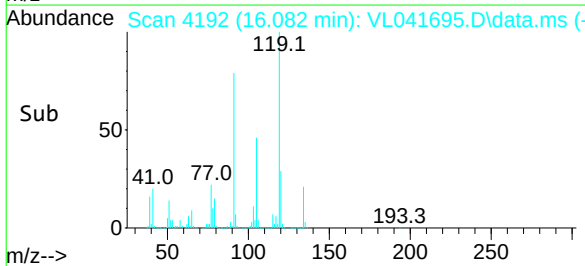
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



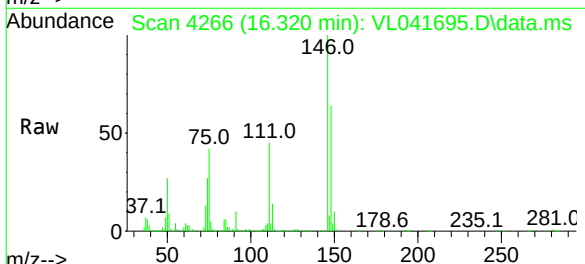
Tgt Ion: 119 Resp: 3735121  
Ion Ratio Lower Upper  
119 100  
91 80.4 64.3 96.5  
134 19.6 15.8 23.8

Manual Integrations  
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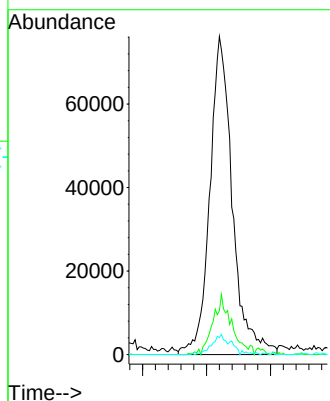
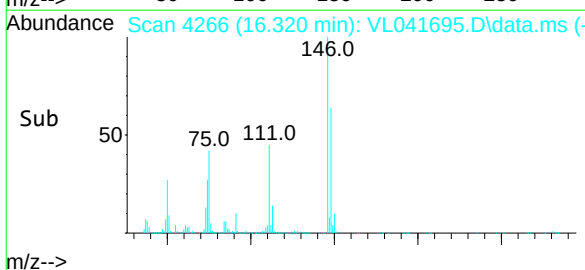
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

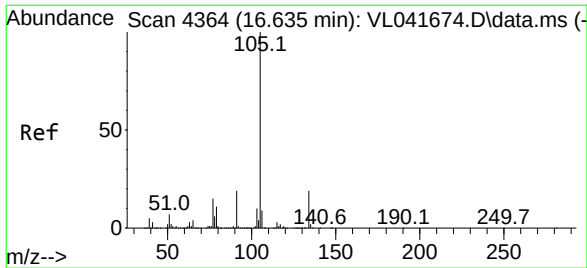


#66  
Benzyl Chloride  
Concen: 6.202 ppbv m  
RT: 16.320 min Scan# 4266  
Delta R.T. -0.006 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



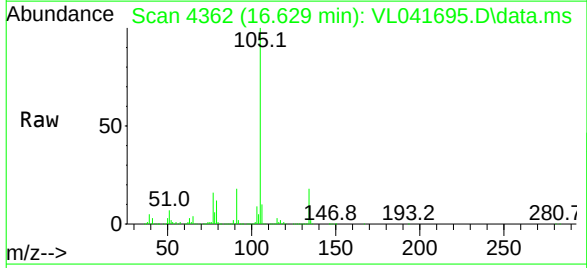
Tgt Ion: 91 Resp: 186790  
Ion Ratio Lower Upper  
91 100  
126 16.5 13.8 20.6  
128 5.5 4.3 6.5





#67  
sec-Butylbenzene  
Concen: 9.534 ppbv  
RT: 16.629 min Scan# 4364  
Delta R.T. -0.006 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

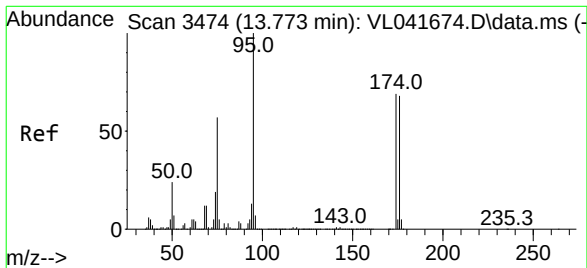
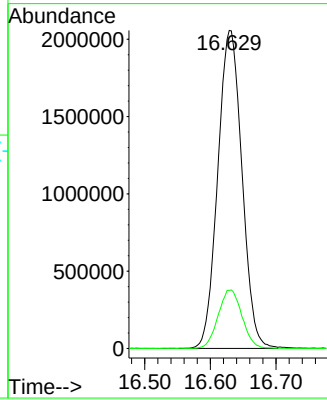
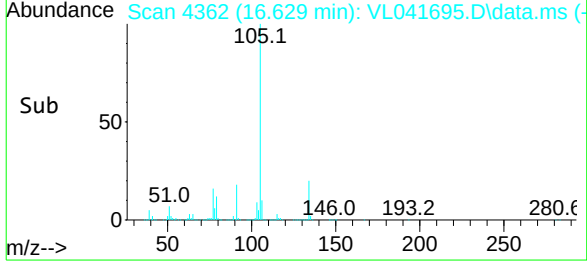
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:105 Resp: 5261018  
Ion Ratio Lower Upper  
105 100  
134 18.3 14.6 22.0

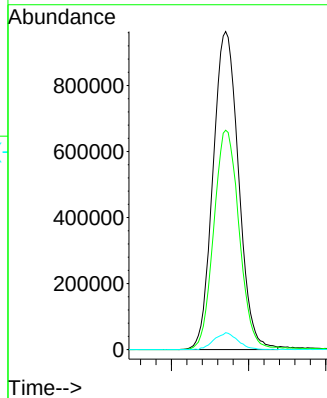
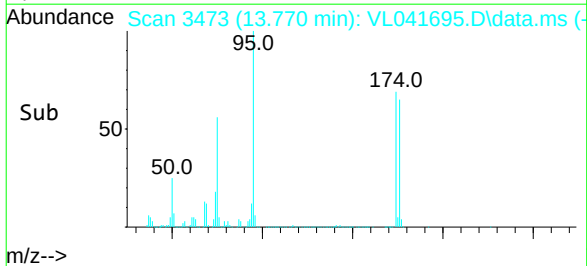
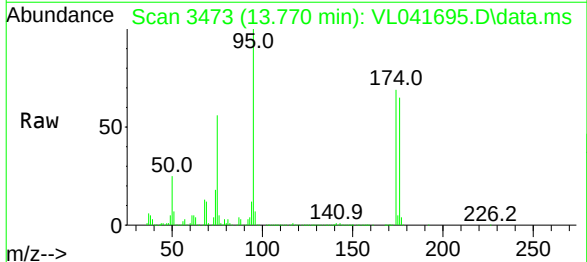
Manual Integrations  
APPROVED

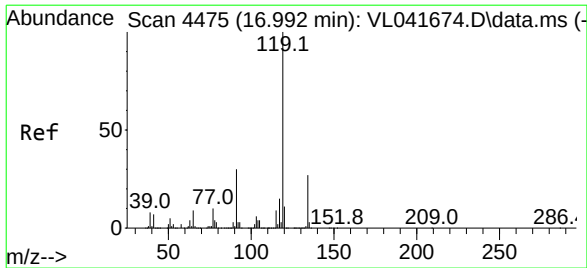
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.002 ppbv  
RT: 13.770 min Scan# 3473  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion: 95 Resp: 2220381  
Ion Ratio Lower Upper  
95 100  
174 69.2 55.6 83.4  
175 4.9 4.2 6.2





#69

p-Isopropyltoluene

Concen: 9.804 ppbv

RT: 16.989 min Scan# 4475

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 119 Resp: 4374045

Ion Ratio Lower Upper

119 100

134 25.8 20.8 31.2

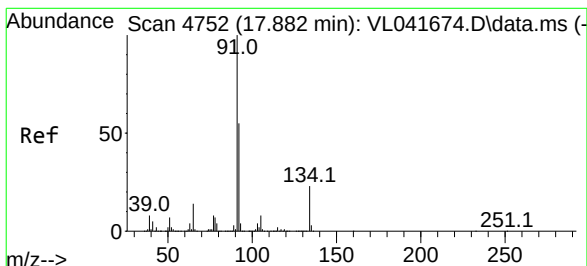
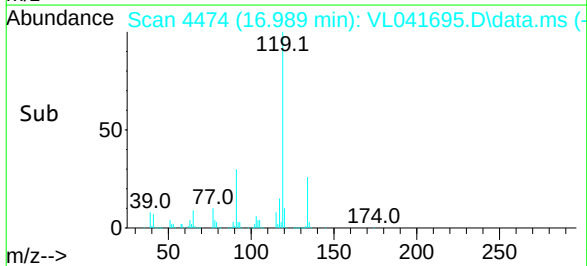
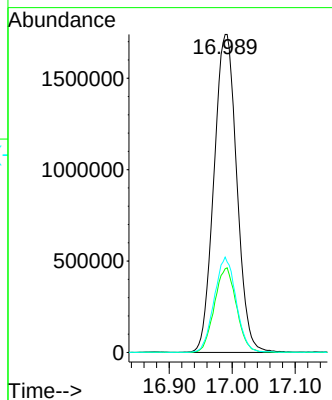
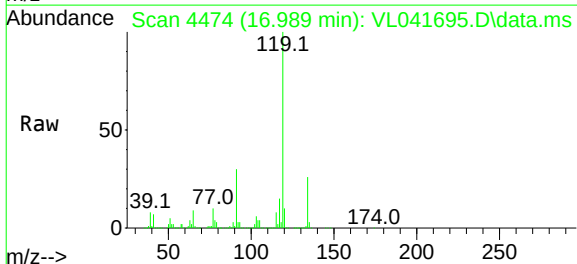
91 28.8 23.2 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#70

n-Butylbenzene

Concen: 9.909 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

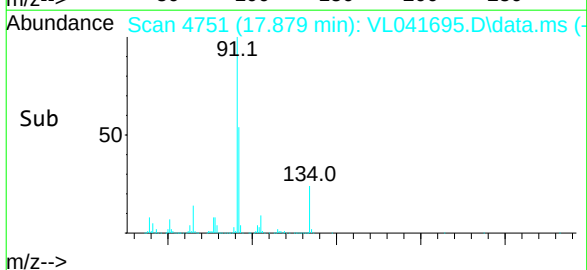
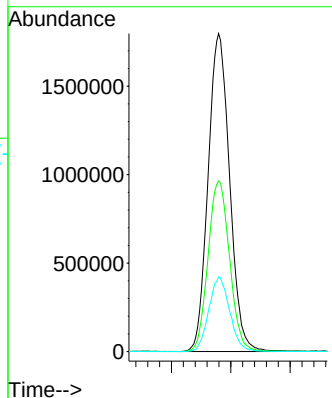
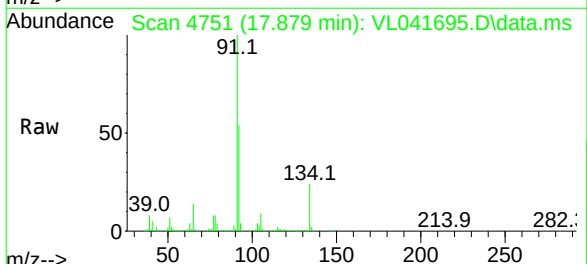
Tgt Ion: 91 Resp: 4522936

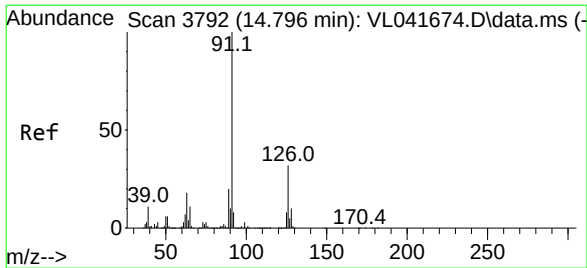
Ion Ratio Lower Upper

91 100

92 53.8 43.3 64.9

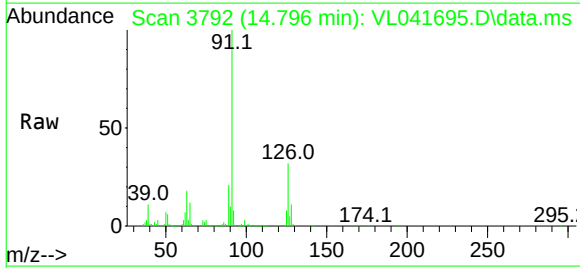
134 22.9 18.4 27.6





#71  
2-Chlorotoluene  
Concen: 9.984 ppbv  
RT: 14.796 min Scan# 3792  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

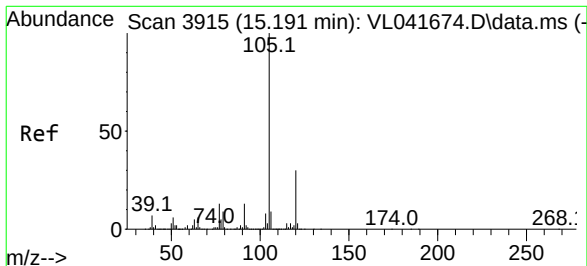
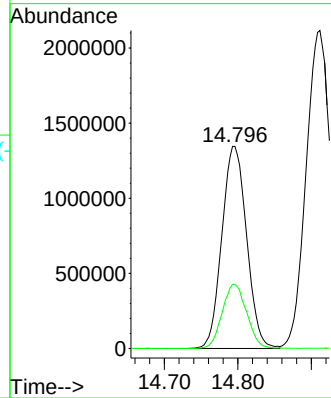
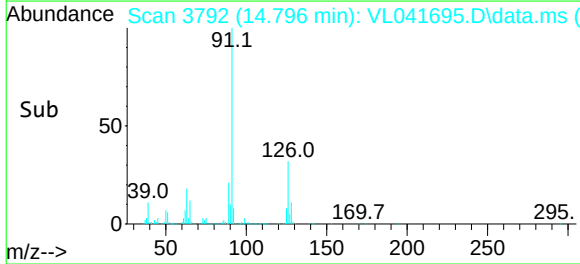
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



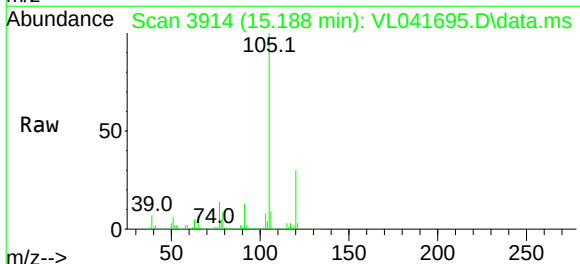
Tgt Ion: 91 Resp: 3143905  
Ion Ratio Lower Upper  
91 100  
126 31.6 12.8 51.0

Manual Integrations  
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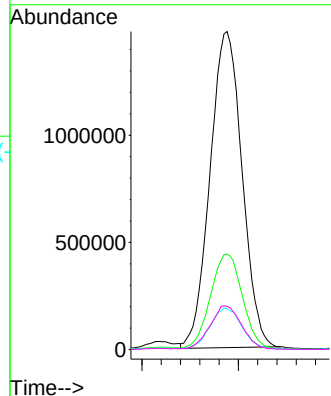
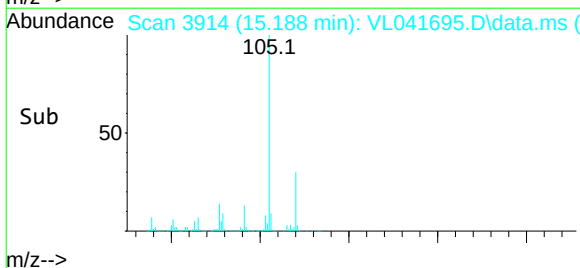
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

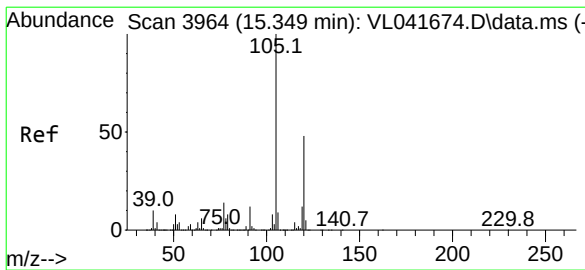


#72  
4-Ethyltoluene  
Concen: 10.381 ppbv  
RT: 15.188 min Scan# 3914  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18



Tgt Ion:105 Resp: 3404290  
Ion Ratio Lower Upper  
105 100  
120 31.2 25.0 37.4  
91 13.1 10.6 15.8  
77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.213 ppbv

RT: 15.346 min Scan# 39

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 2938945

Ion Ratio Lower Upper

105 100

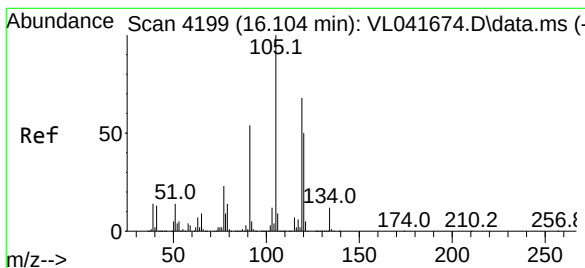
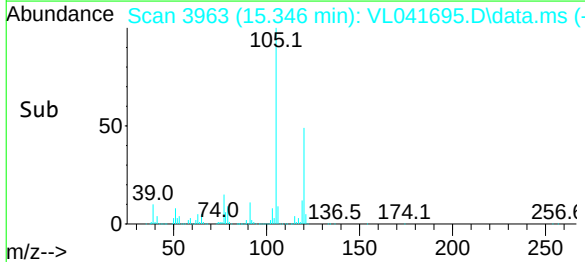
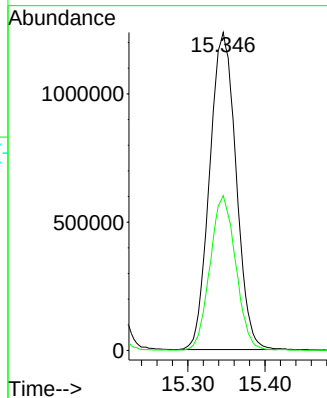
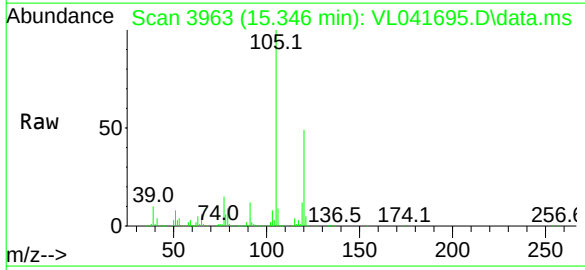
120 48.7 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.782 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Tgt Ion:105 Resp: 3269887

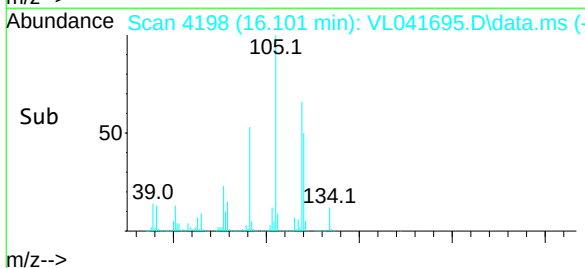
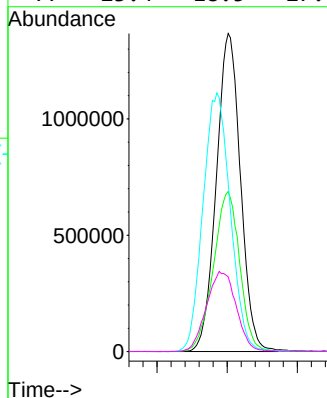
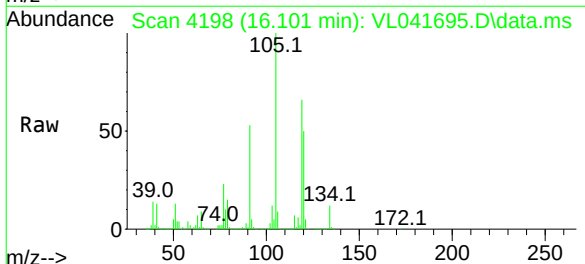
Ion Ratio Lower Upper

105 100

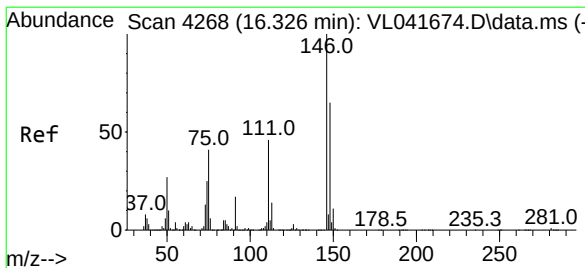
120 50.2 39.8 59.8

91 52.9 43.2 64.8

77 23.4 18.5 27.7

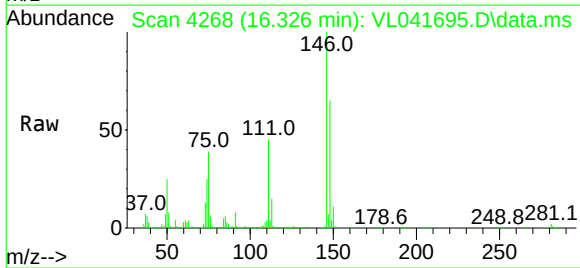






#75  
1,3-Dichlorobenzene  
Concen: 9.778 ppbv  
RT: 16.326 min Scan# 4268  
Delta R.T. 0.000 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

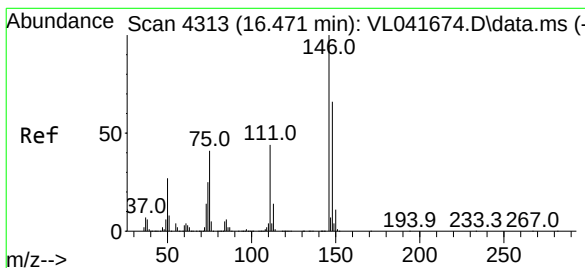
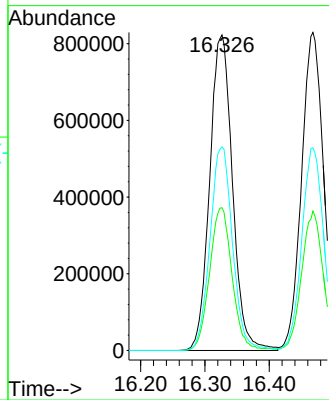
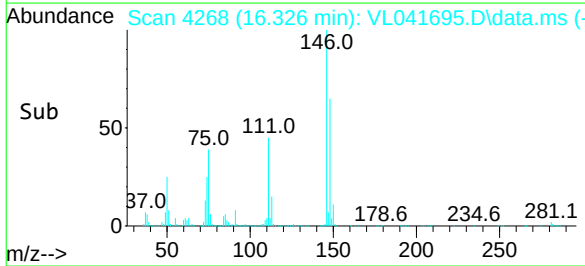
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:146 Resp: 2024223  
Ion Ratio Lower Upper  
146 100  
111 44.8 22.8 68.3  
148 64.1 32.4 97.0

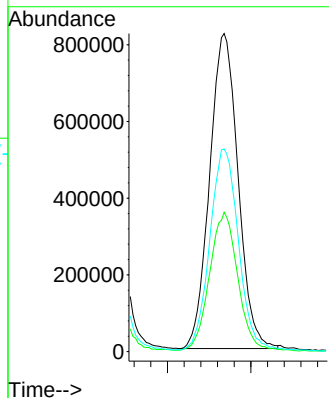
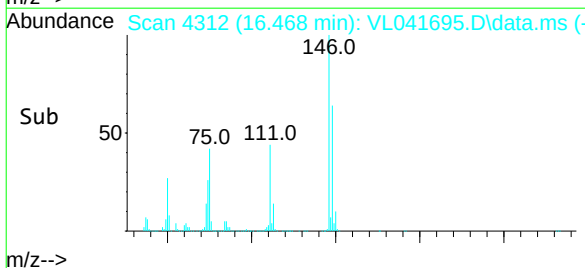
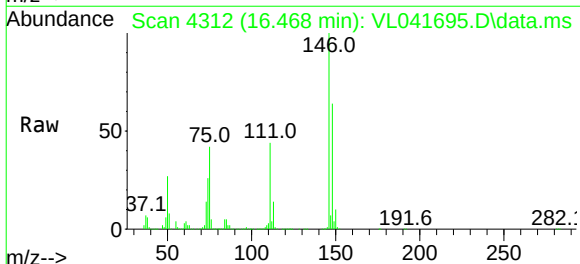
Manual Integrations  
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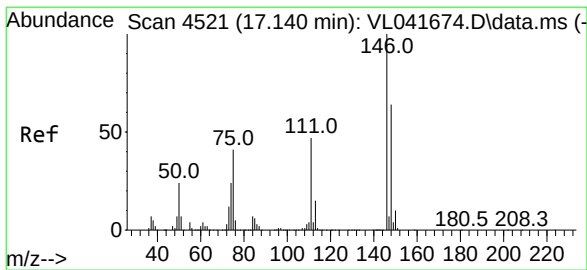
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#76  
1,4-Dichlorobenzene  
Concen: 9.736 ppbv  
RT: 16.468 min Scan# 4312  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Tgt Ion:146 Resp: 1944656  
Ion Ratio Lower Upper  
146 100  
111 45.0 22.1 66.3  
148 65.3 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 9.550 ppbv

RT: 17.134 min Scan# 4519

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 1958596

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.3

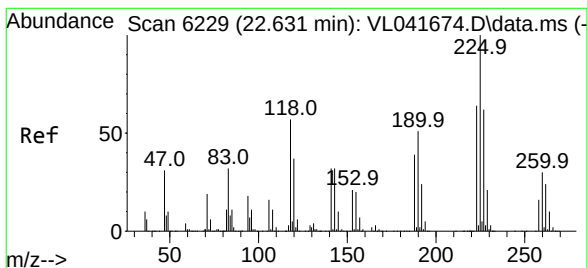
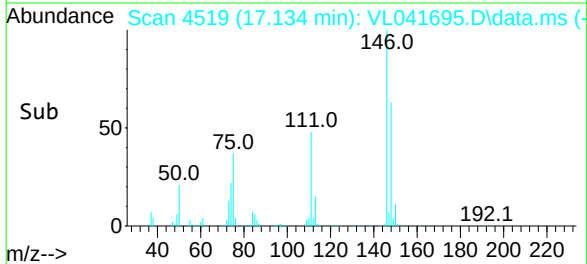
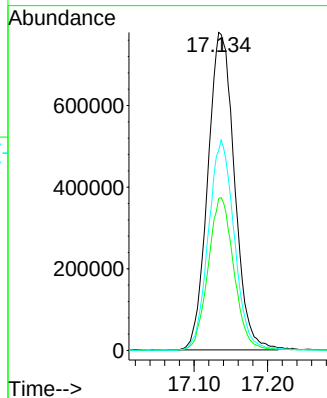
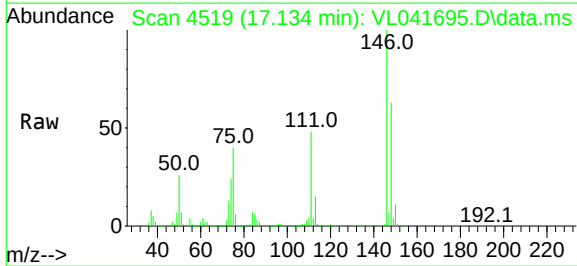
148 64.6 32.1 96.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/09/2024

Supervised By :Semsettin Yesilyurt 11/09/2024



#78

Hexachloro-1,3-Butadiene

Concen: 8.354 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. -0.006 min

Lab File: VL041695.D

Acq: 8 Nov 2024 2:18

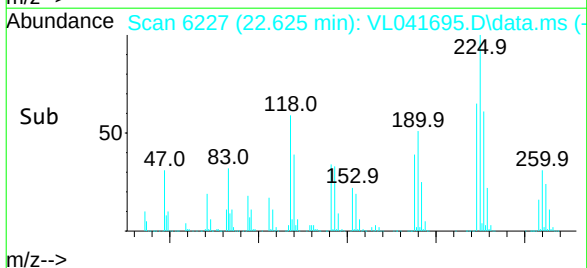
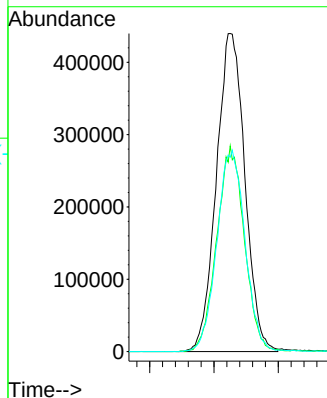
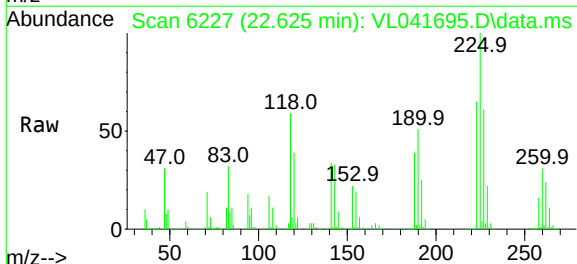
Tgt Ion:225 Resp: 1354982

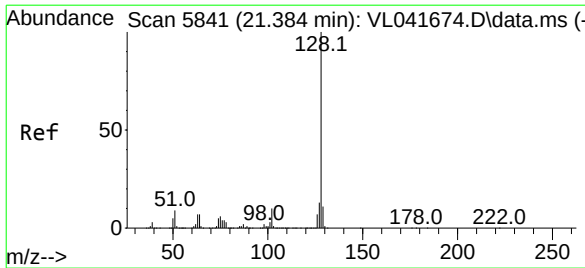
Ion Ratio Lower Upper

225 100

223 62.8 51.1 76.7

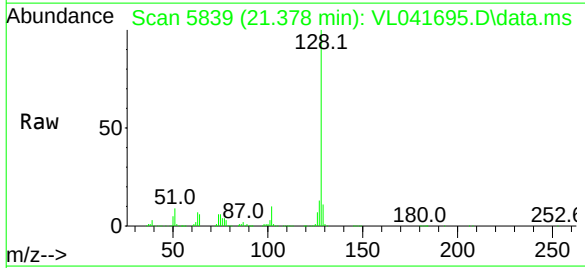
227 62.8 51.3 76.9





#79  
Naphthalene  
Concen: 12.701 ppbv  
RT: 21.378 min Scan# 5841  
Delta R.T. -0.006 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

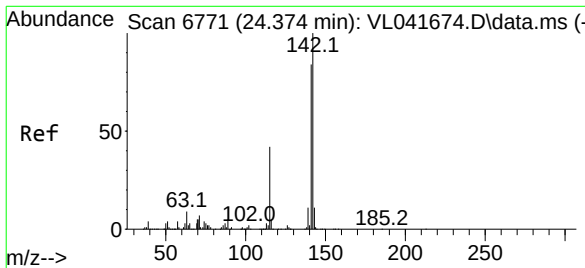
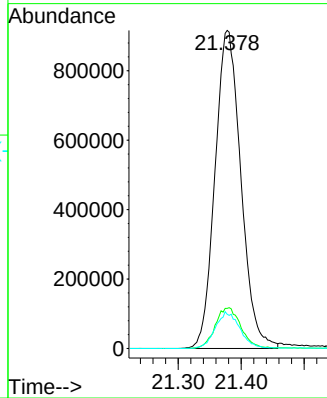
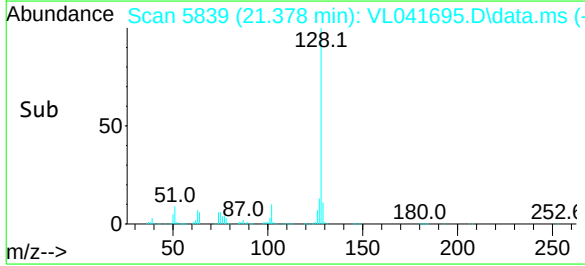
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:128 Resp: 2620569  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.5 15.7  
129 10.8 8.7 13.1

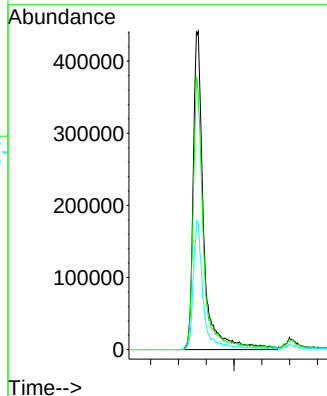
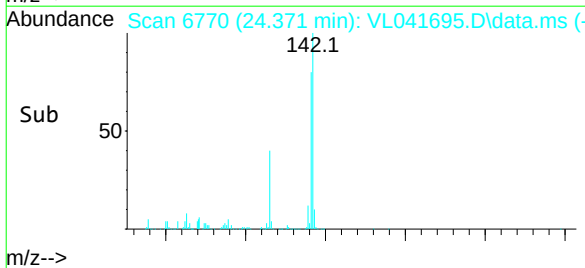
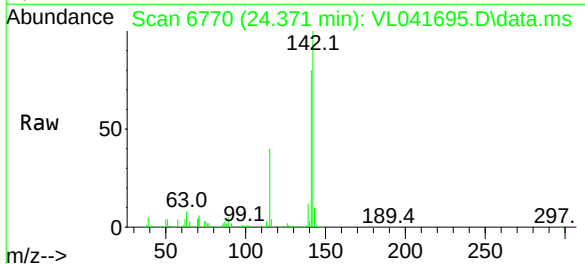
Manual Integrations  
APPROVED

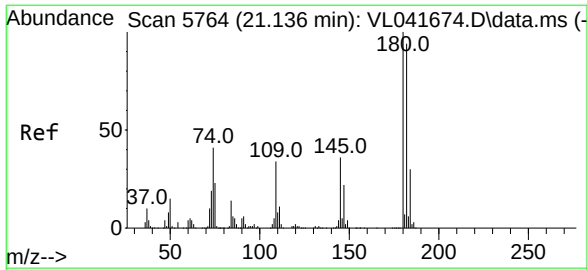
Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024



#80  
Naphthalene,2-methyl-  
Concen: 25.697 ppbv  
RT: 24.371 min Scan# 6770  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

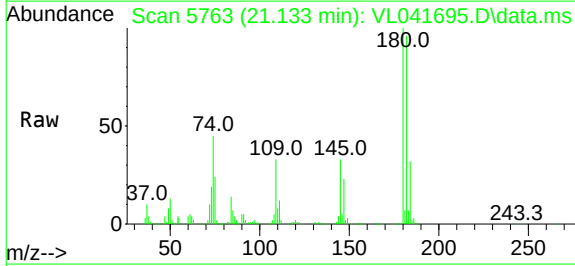
Tgt Ion:142 Resp: 1155769  
Ion Ratio Lower Upper  
142 100  
141 82.6 68.1 102.1  
115 39.2 33.1 49.7





#81  
1,2,4-Trichlorobenzene  
Concen: 10.393 ppbv  
RT: 21.133 min Scan# 57  
Delta R.T. -0.003 min  
Lab File: VL041695.D  
Acq: 8 Nov 2024 2:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:180 Resp: 1348543  
Ion Ratio Lower Upper  
180 100  
182 97.6 78.2 117.2  
184 30.9 25.0 37.4

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024  
Supervised By :Semsettin Yesilyurt 11/09/2024

