

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121924\  
 Data File : VL041826.D  
 Acq On : 19 Dec 2024 18:12  
 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 : Semsettin Yesilyurt 12/20/2024  
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 01:46:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.787 | 49   | 81973    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.959 | 114  | 195810   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 170821   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 151852 10.668 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

#### Target Compounds

|                               |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 128564 | 8.814  | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 124014 | 9.277  | ppbv   | 99     |
| 4) Chloromethane              | 1.531 | 50  | 54185  | 9.494  | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 49333  | 8.580  | ppbv   | 99     |
| 6) Bromomethane               | 1.667 | 94  | 22362  | 8.242  | ppbv   | 99     |
| 7) Chloroethane               | 1.703 | 64  | 20385  | 9.127  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 117239 | 8.980  | ppbv   | 95     |
| 9) Propene                    | 1.483 | 41  | 44369  | 7.657  | ppbv   | 99     |
| 10) Heptane                   | 4.982 | 43  | 129369 | 8.692  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 138690 | 8.952  | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 100590 | 8.536  | ppbv   | 97     |
| 13) Ethanol                   | 1.722 | 45  | 2539   | 5.292  | ppbv   | 98     |
| 14) Bromoethene               | 1.781 | 108 | 33492  | 8.419  | ppbv   | 98     |
| 15) Acetone                   | 1.836 | 43  | 123219 | 7.726  | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 58187  | 9.265  | ppbv   | 94     |
| 17) tert-Butyl alcohol        | 2.039 | 59  | 134728 | 8.515  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 42239  | 8.550  | ppbv   | 90     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 62464  | 6.527  | ppbv # | 38     |
| 20) Methylene Chloride        | 2.059 | 84  | 37007  | 8.137  | ppbv   | 96     |
| 21) Allyl Chloride            | 2.095 | 41  | 79151  | 9.150  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 2.340 | 96  | 46693  | 8.257  | ppbv   | 98     |
| 23) Vinyl Acetate             | 2.460 | 43  | 58292  | 7.871  | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.408 | 63  | 102974 | 8.995  | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.836 | 43  | 267179 | 9.005  | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 97692  | 8.676  | ppbv   | 94     |
| 27) Carbon Disulfide          | 2.150 | 76  | 87443  | 8.618  | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 68127  | 7.458  | ppbv   | 98     |
| 29) Chloroform                | 2.849 | 83  | 154678 | 9.014  | ppbv   | 100    |
| 30) Cyclohexane               | 3.858 | 84  | 77506  | 8.090  | ppbv   | 96     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 96075  | 8.257  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.366 | 97  | 146660 | 8.408  | ppbv   | 97     |
| 34) 2-Butanone                | 2.557 | 43  | 149934 | 9.518  | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.765 | 117 | 151276 | 10.883 | ppbv   | 98     |
| 36) Benzene                   | 3.658 | 78  | 191005 | 9.430  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.218 | 62  | 122824 | 9.745  | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 71818  | 8.353  | ppbv   | 94     |
| 39) 1,2-Dichloropropane       | 4.312 | 63  | 69067  | 9.428  | ppbv   | 94     |
| 40) 1,4-Dioxane               | 4.583 | 88  | 29082  | 8.127  | ppbv # | 93     |
| 41) Tetrahydrofuran           | 3.056 | 42  | 82140  | 9.307  | ppbv   | 97     |
| 42) Bromodichloromethane      | 4.490 | 83  | 148108 | 10.215 | ppbv   | 95     |
| 43) Methyl Methacrylate       | 4.881 | 69  | 69240  | 8.972  | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 341613 | 9.876  | ppbv   | 97     |
| 45) t-1,3-Dichloropropene     | 6.419 | 75  | 61532  | 7.708  | ppbv   | 95     |

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 Acq On : 19 Dec 2024 18:12  
 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 : Semsettin Yesilyurt 12/20/2024  
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 01:46:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.603  | 75   | 82960    | 8.187  | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 6.584  | 97   | 71698    | 9.370  | ppbv   | 92       |
| 48) Dibromochloromethane      | 7.390  | 129  | 104455   | 9.998  | ppbv   | 99       |
| 49) Bromoform                 | 9.484  | 173  | 84333    | 9.861  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.755  | 43   | 208182   | 9.706  | ppbv   | 98       |
| 51) 2-Hexanone                | 7.438  | 43   | 162066   | 9.322  | ppbv # | 96       |
| 52) Tetrachloroethene         | 8.225  | 164  | 59727    | 7.922  | ppbv   | 96       |
| 53) Toluene                   | 6.933  | 91   | 197327   | 8.593  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.655  | 107  | 96675    | 9.170  | ppbv   | 95       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 93296    | 10.302 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.924  | 112  | 164430   | 9.407  | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.358  | 91   | 286262   | 9.308  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.552  | 91   | 479664m  | 19.398 | ppbv   |          |
| 60) o-Xylene                  | 9.963  | 91   | 239050   | 9.640  | ppbv   | 99       |
| 61) Styrene                   | 9.872  | 104  | 95865    | 8.941  | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 355098   | 9.531  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 151287   | 9.747  | ppbv   | 98       |
| 64) n-propylbenzene           | 10.992 | 120  | 88168    | 9.360  | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 309956   | 9.221  | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.617 | 91   | 20346m   | 6.872  | ppbv   |          |
| 67) sec-Butylbenzene          | 11.769 | 105  | 433396   | 9.318  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 344944   | 8.999  | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.283 | 91   | 328535   | 8.870  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.901 | 91   | 253504   | 8.914  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 272476   | 9.309  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 234493   | 9.656  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 253321   | 9.701  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 141418   | 8.494  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 140230   | 8.526  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 138822   | 8.666  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 79337    | 6.679  | ppbv   | 98       |
| 79) Naphthalene               | 13.517 | 128  | 166272   | 9.138  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 53906    | 9.578  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 78774    | 7.923  | ppbv   | 99       |

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

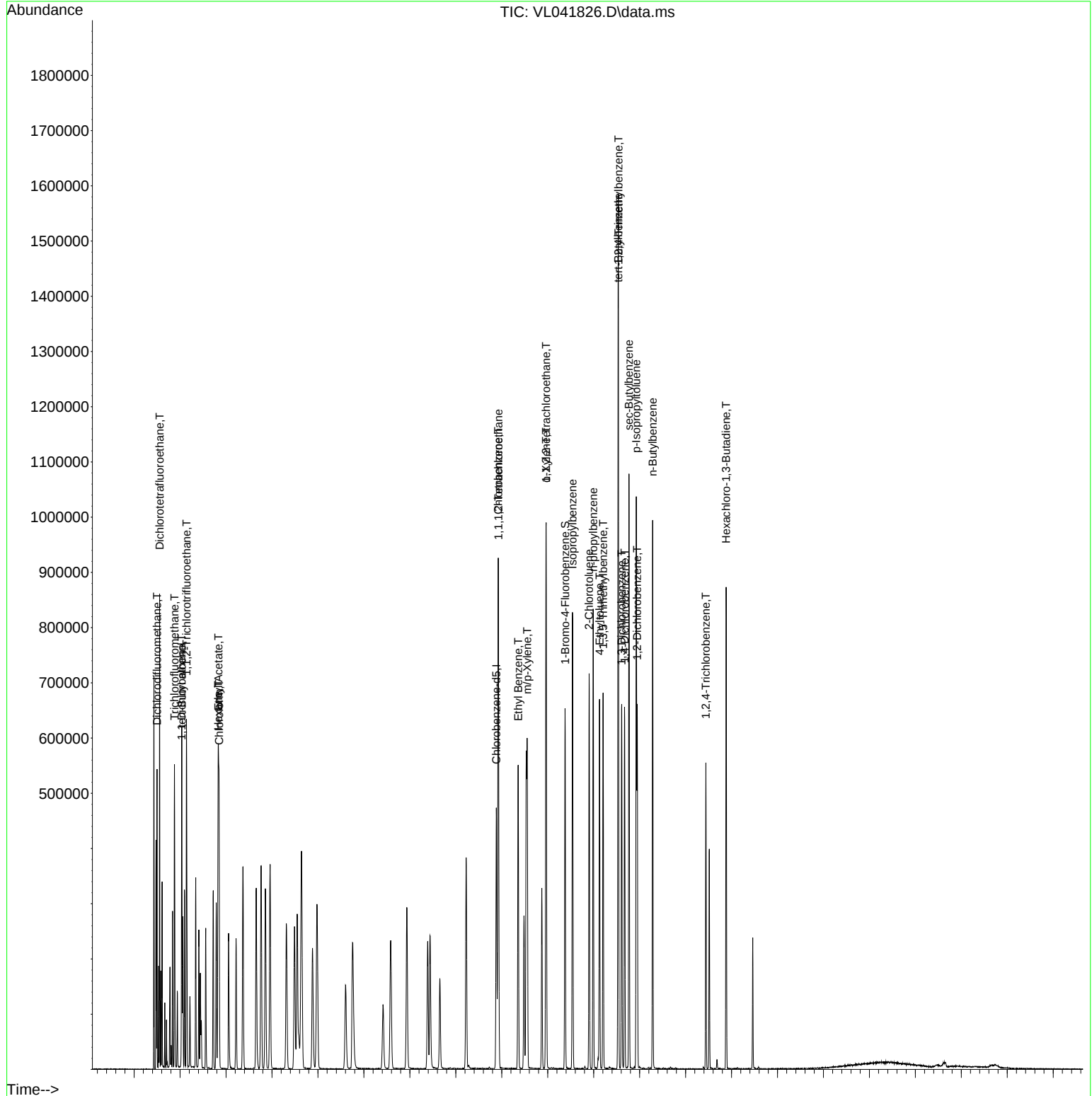
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Data File : VL041826.D  
Acq On : 19 Dec 2024 18:12  
Operator : SY/MD  
Sample : VSTDCCC010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

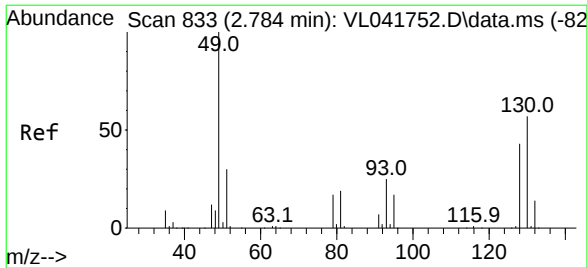
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Quant Time: Dec 20 01:46:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121624AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug  
QLast Update : Thu Dec 19 07:32:09 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024





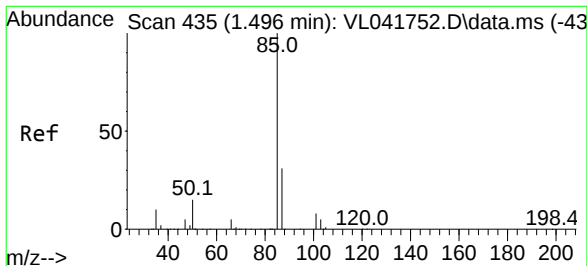
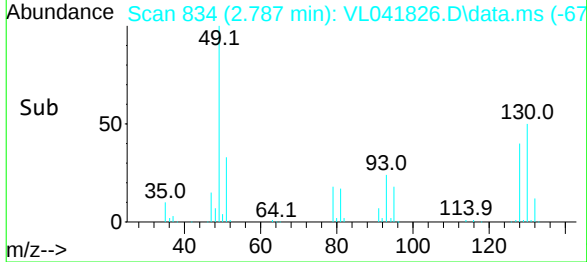
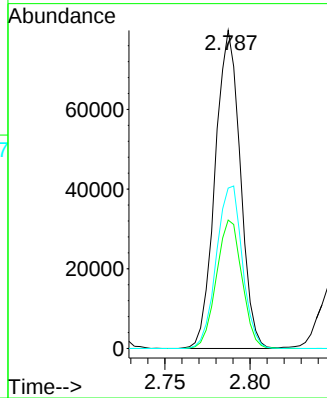
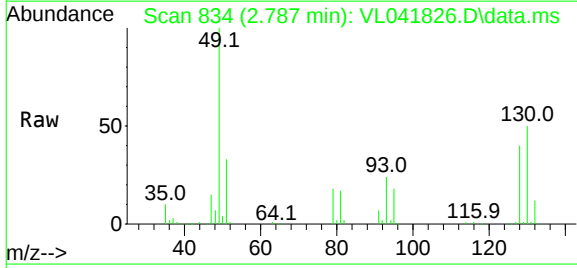
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Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.787 min Scan# 833  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 49 Resp: 81973  
Ion Ratio Lower Upper  
49 100  
128 41.0 21.6 64.6  
130 52.7 28.3 85.0

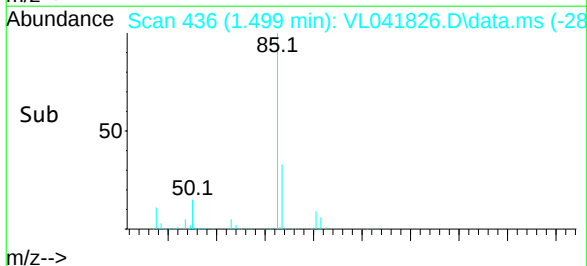
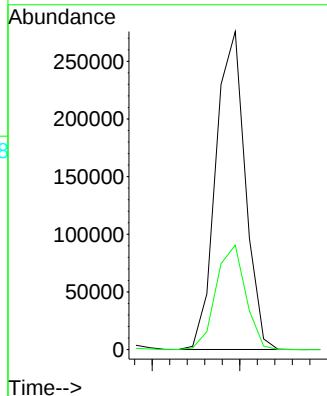
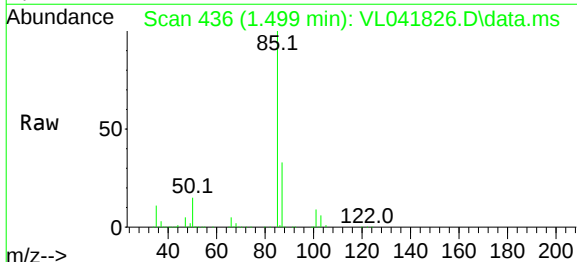
Manual Integrations  
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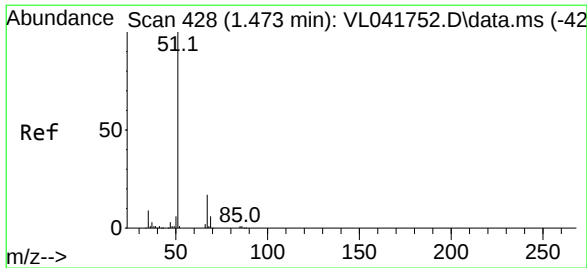
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#2  
Dichlorodifluoromethane  
Concen: 8.814 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 85 Resp: 128564  
Ion Ratio Lower Upper  
85 100  
87 32.9 24.5 36.7





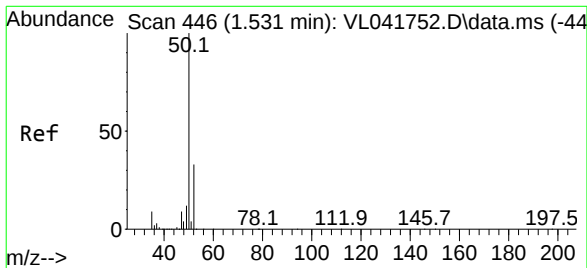
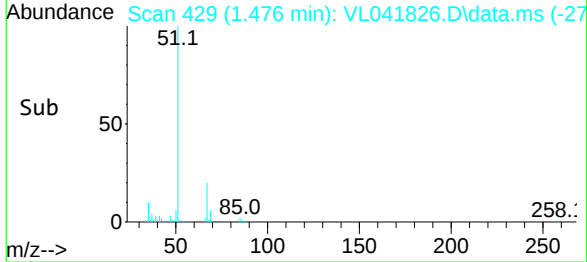
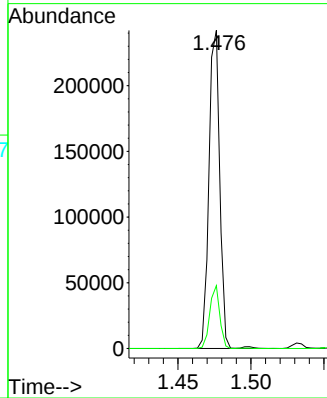
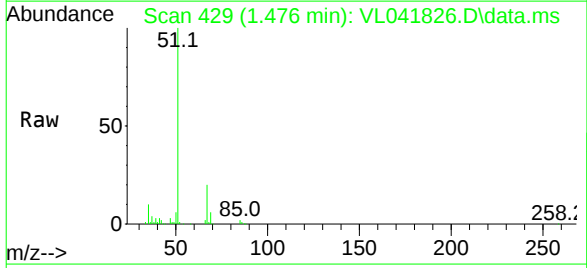
#3  
Chlorodifluoromethane  
Concen: 9.277 ppbv  
RT: 1.476 min Scan# 428  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 51 Resp: 124014  
Ion Ratio Lower Upper  
51 100  
67 18.4 15.0 22.4

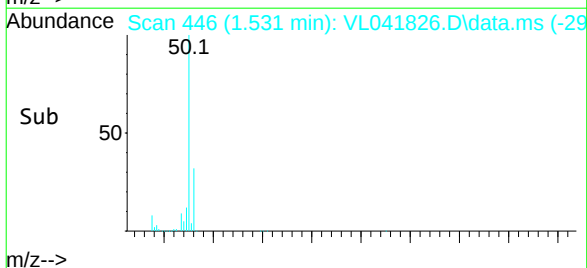
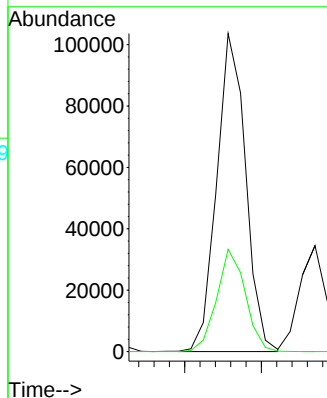
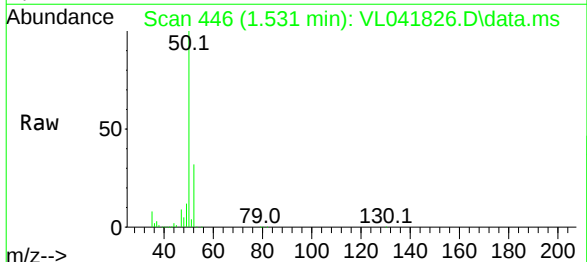
Manual Integrations  
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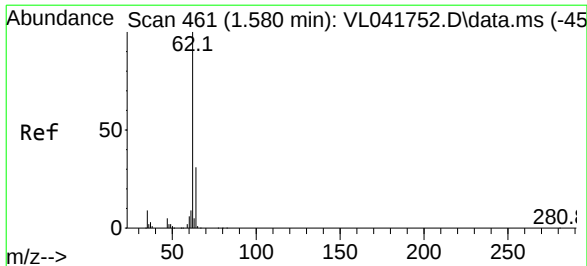
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#4  
Chloromethane  
Concen: 9.494 ppbv  
RT: 1.531 min Scan# 446  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 50 Resp: 54185  
Ion Ratio Lower Upper  
50 100  
52 32.2 26.2 39.2





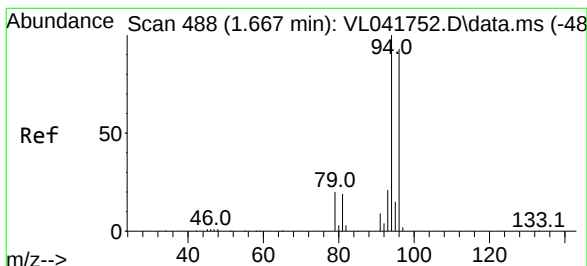
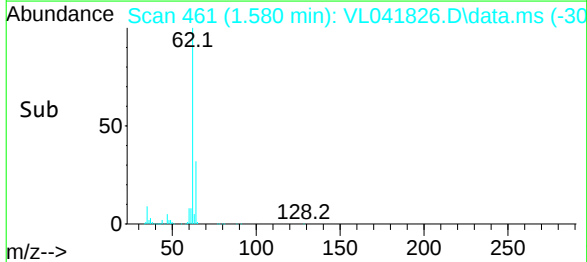
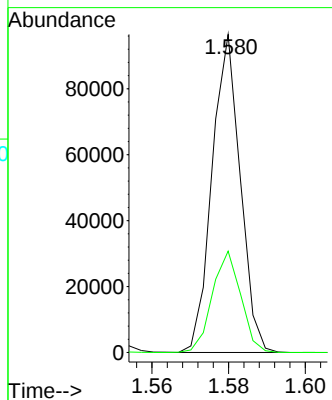
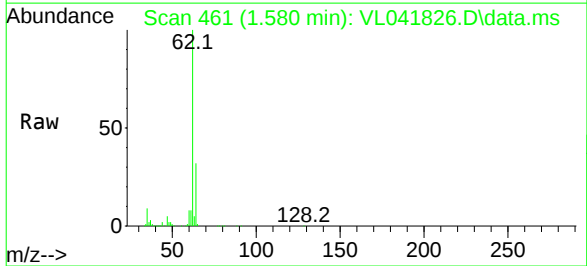
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 Vinyl Chloride  
 Concen: 8.580 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. -0.000 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12

Instrument : MSVOA\_L  
 ClientSampleId : VSTDCCC010EC

Tgt Ion: 62 Resp: 49333  
 Ion Ratio Lower Upper  
 62 100  
 64 31.8 25.1 37.7

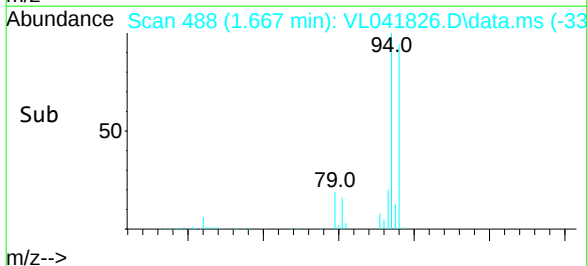
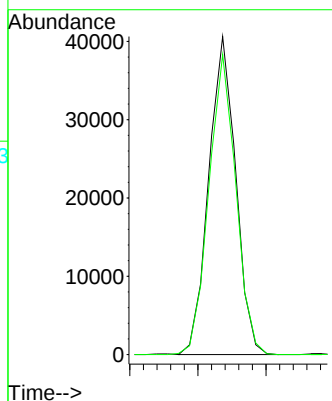
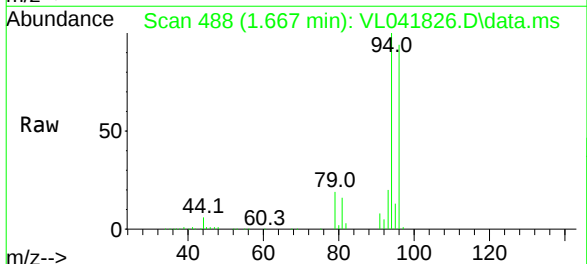
Manual Integrations  
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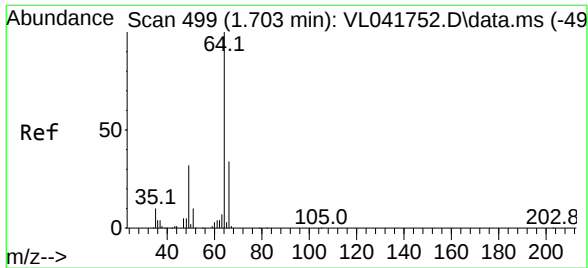
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#6  
 Bromomethane  
 Concen: 8.242 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. -0.000 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12

Tgt Ion: 94 Resp: 22362  
 Ion Ratio Lower Upper  
 94 100  
 96 94.3 74.7 112.1





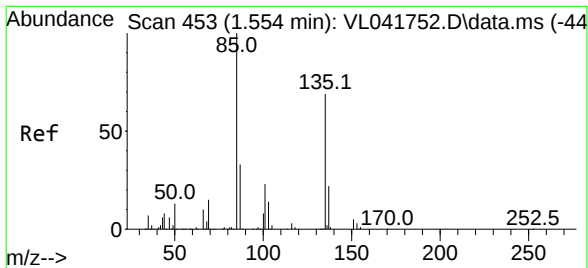
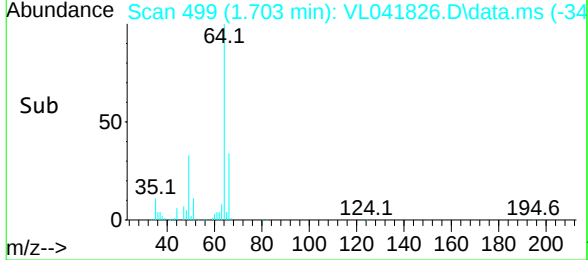
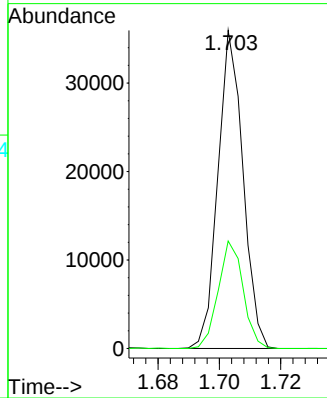
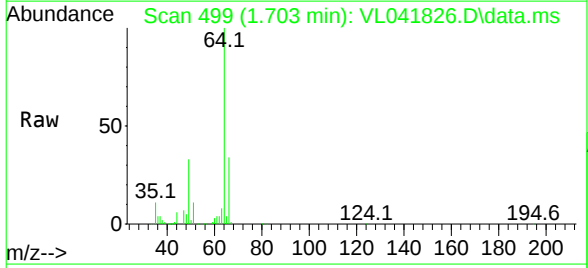
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Chloroethane  
Concen: 9.127 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 64 Resp: 20385  
Ion Ratio Lower Upper  
64 100  
66 33.8 27.5 41.3

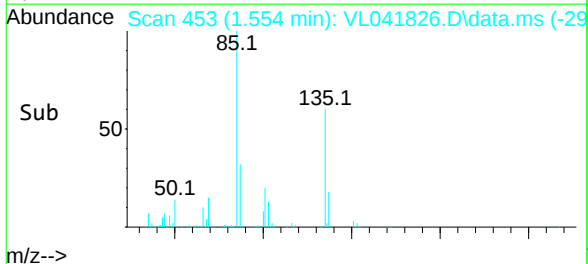
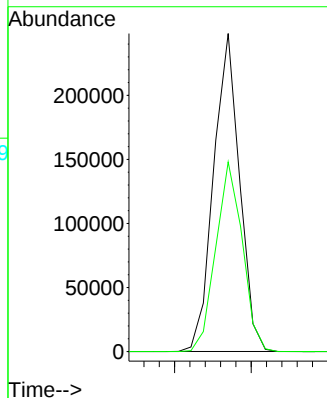
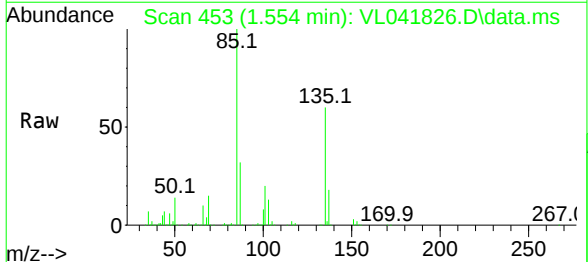
Manual Integrations  
APPROVED

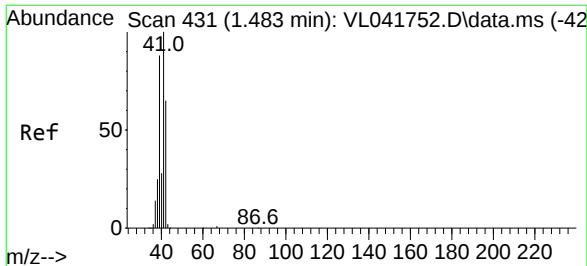
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#8  
Dichlorotetrafluoroethane  
Concen: 8.980 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 85 Resp: 117239  
Ion Ratio Lower Upper  
85 100  
135 60.9 51.9 77.9





#9

Propene

Concen: 7.657 ppbv

RT: 1.483 min Scan# 431

Delta R.T. -0.000 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 44369

Ion Ratio Lower Upper

41 100

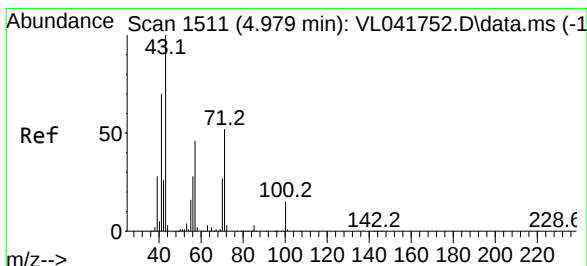
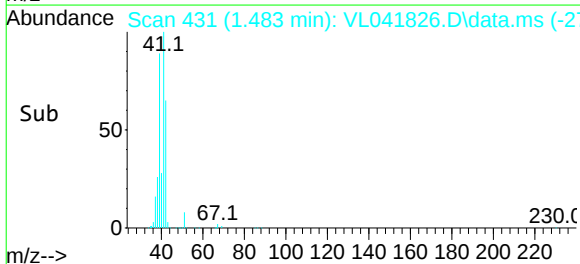
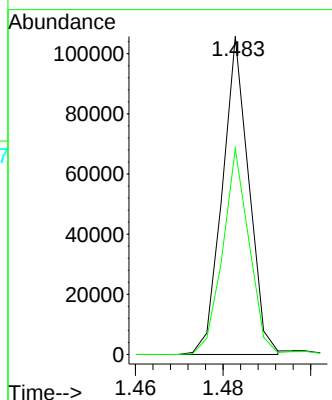
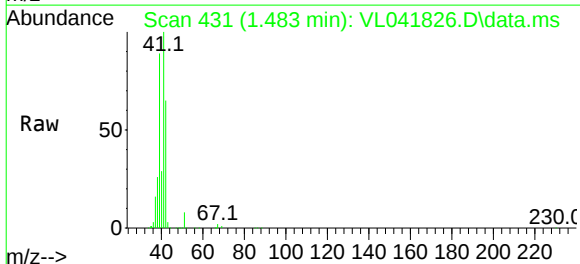
42 66.3 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#10

Heptane

Concen: 8.692 ppbv

RT: 4.982 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL041826.D

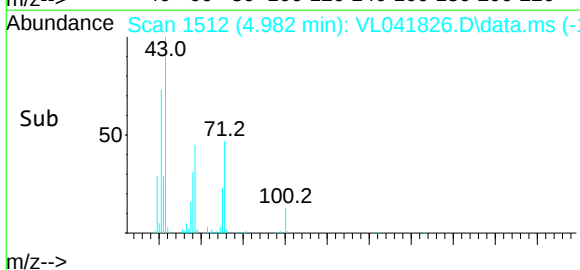
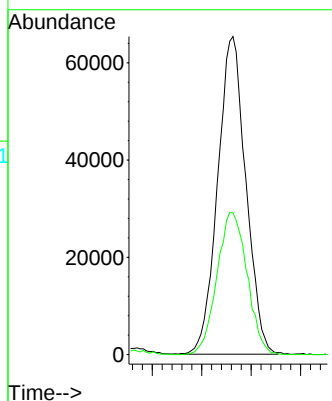
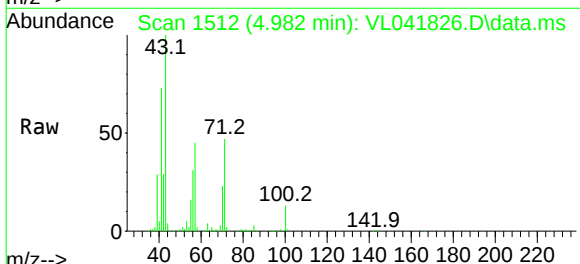
Acq: 19 Dec 2024 18:12

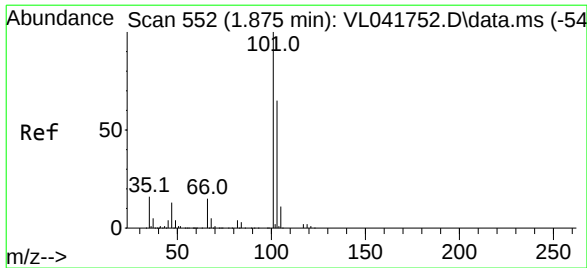
Tgt Ion: 43 Resp: 129369

Ion Ratio Lower Upper

43 100

57 47.8 38.5 57.7





#11

Trichlorofluoromethane

Concen: 8.952 ppbv

RT: 1.878 min Scan# 55

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 138696

Ion Ratio Lower Upper

101 100

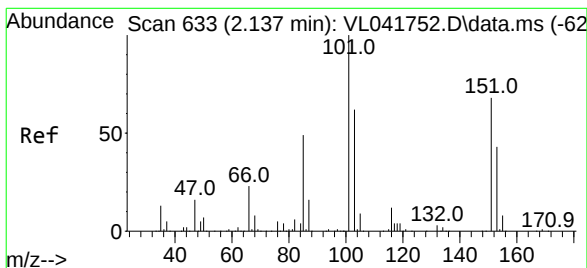
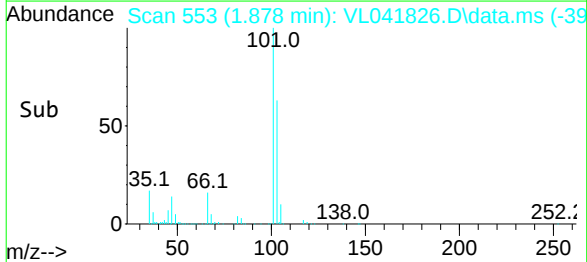
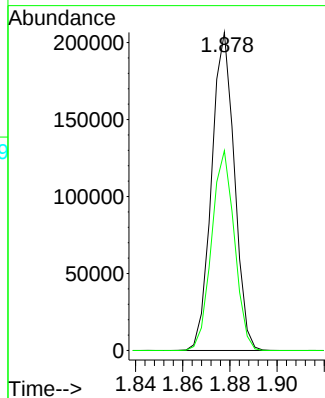
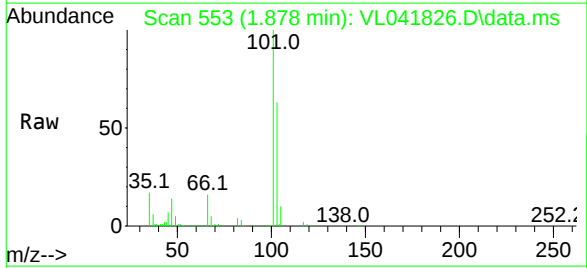
103 62.8 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.536 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041826.D

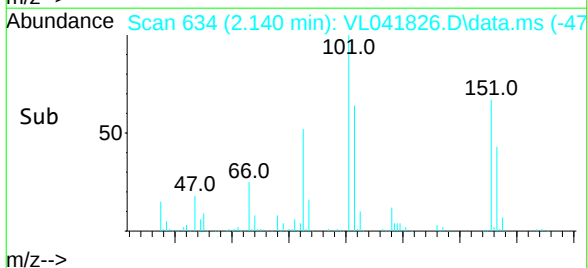
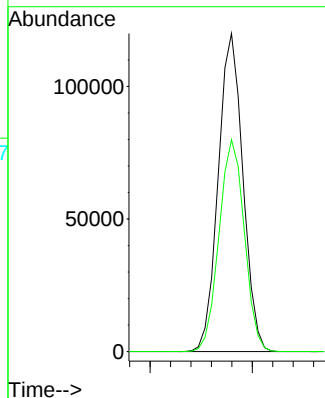
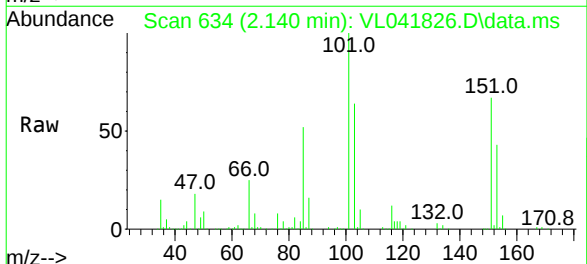
Acq: 19 Dec 2024 18:12

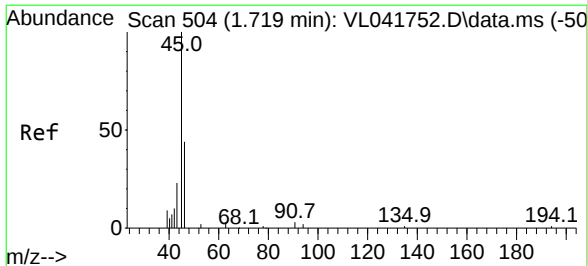
Tgt Ion:101 Resp: 100590

Ion Ratio Lower Upper

101 100

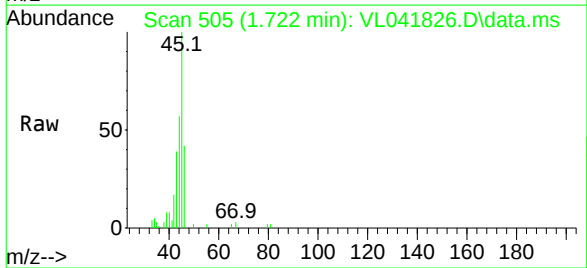
151 68.3 56.8 85.2





#13  
Ethanol  
Concen: 5.292 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

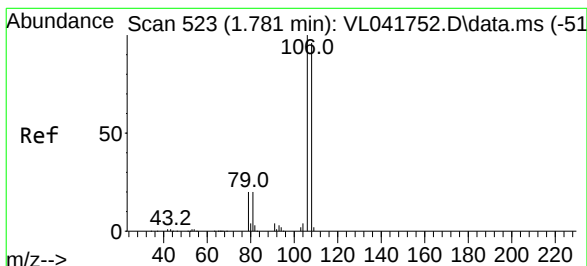
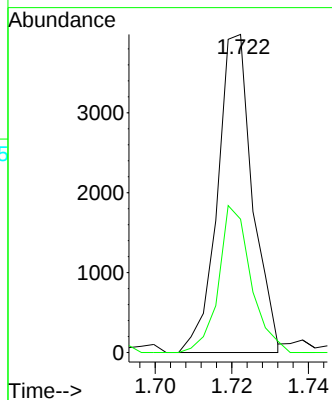
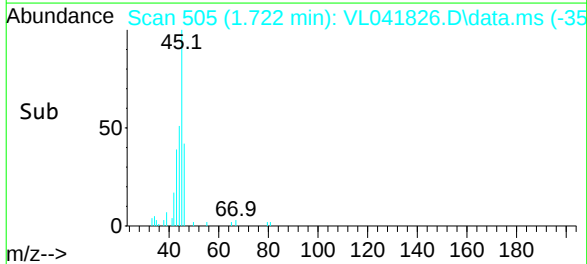
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 45 Resp: 2539  
Ion Ratio Lower Upper  
45 100  
46 42.5 16.4 65.8

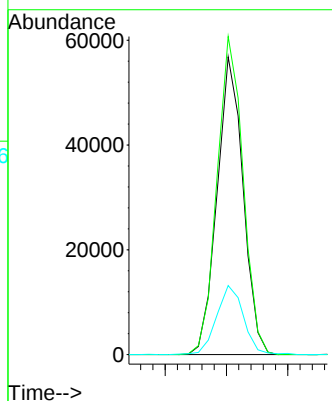
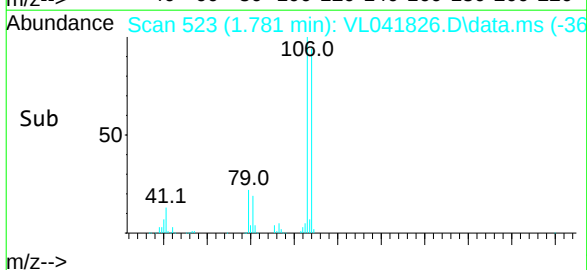
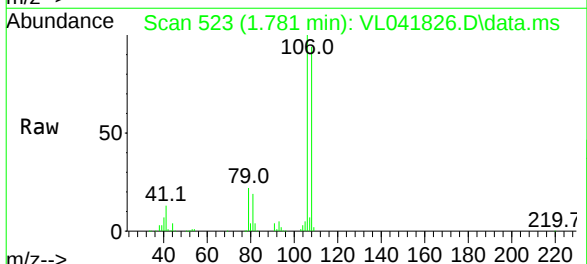
Manual Integrations  
APPROVED

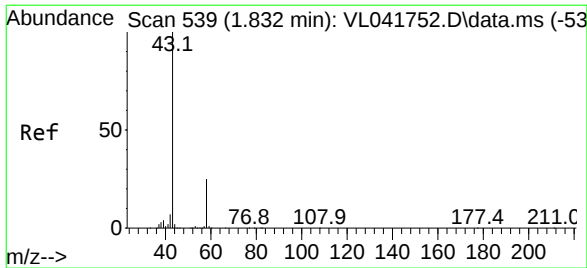
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#14  
Bromoethene  
Concen: 8.419 ppbv  
RT: 1.781 min Scan# 523  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

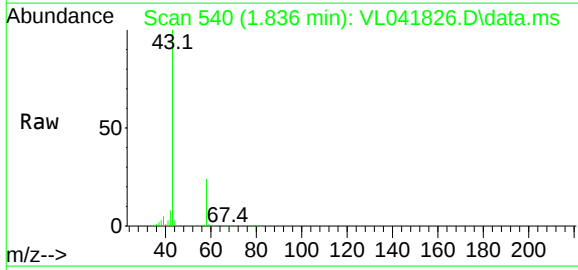
Tgt Ion:108 Resp: 33492  
Ion Ratio Lower Upper  
108 100  
106 107.0 84.1 126.1  
79 24.3 17.4 26.0





#15  
Acetone  
Concen: 7.726 ppbv  
RT: 1.836 min Scan# 54  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

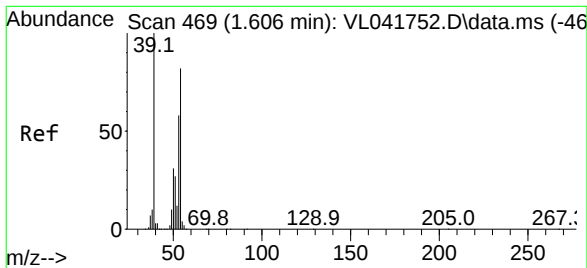
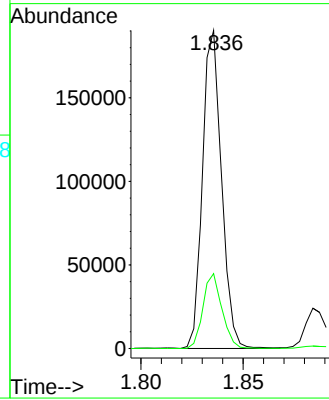
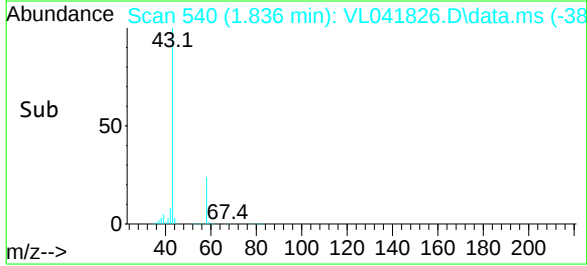
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 123219  
Ion Ratio Lower Upper  
43 100  
58 23.4 19.7 29.5

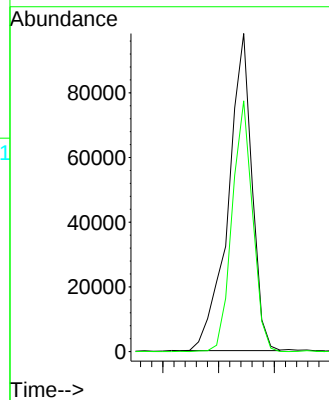
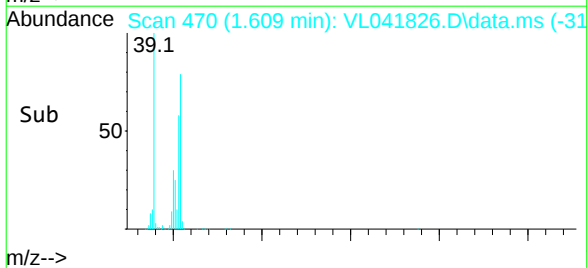
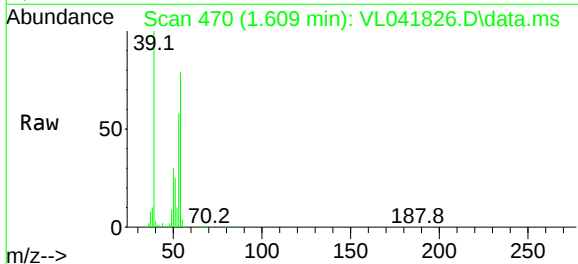
Manual Integrations  
APPROVED

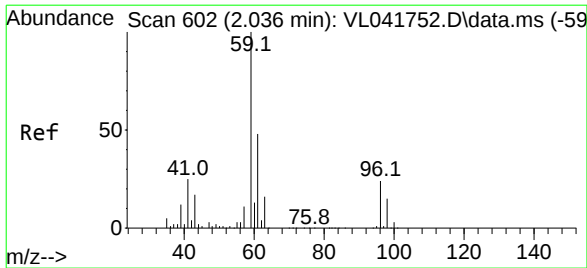
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#16  
1,3-Butadiene  
Concen: 9.265 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 39 Resp: 58187  
Ion Ratio Lower Upper  
39 100  
54 68.3 58.4 87.6





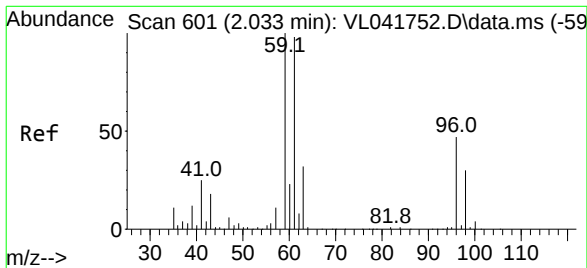
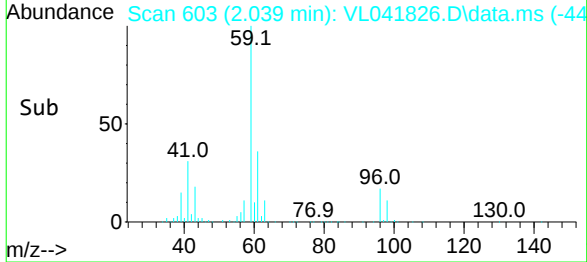
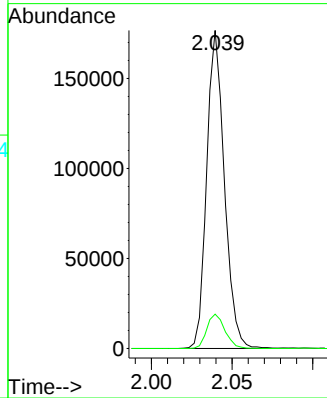
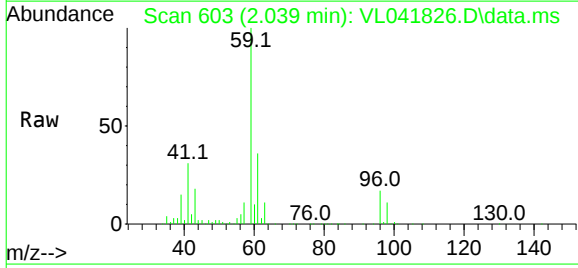
#17  
tert-Butyl alcohol  
Concen: 8.515 ppbv  
RT: 2.039 min Scan# 602  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 59 Resp: 134728  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.6 13.0

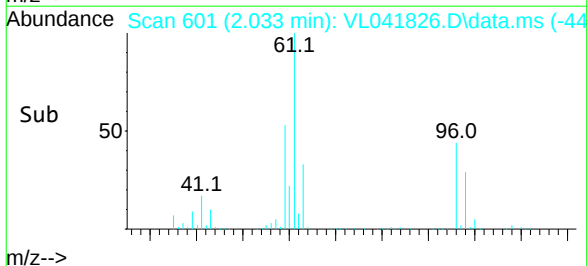
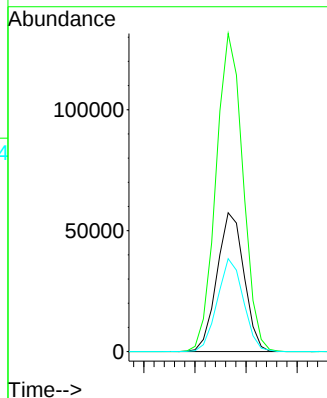
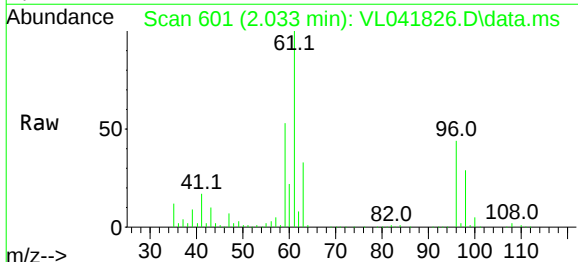
Manual Integrations  
APPROVED

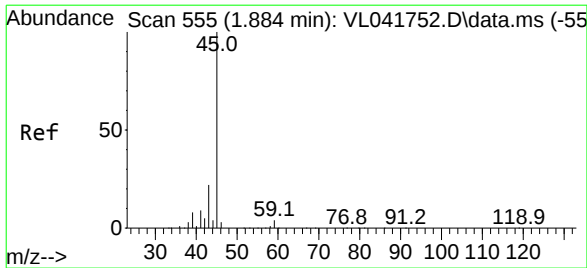
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#18  
1,1-Dichloroethene  
Concen: 8.550 ppbv  
RT: 2.033 min Scan# 601  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 96 Resp: 42239  
Ion Ratio Lower Upper  
96 100  
61 229.1 167.7 251.5  
98 66.9 51.1 76.7





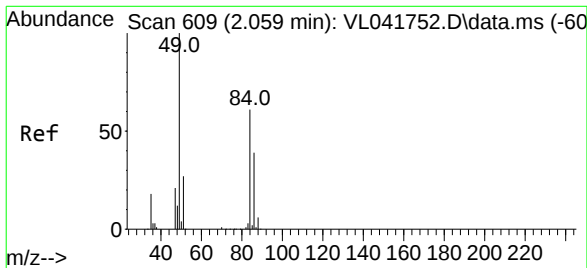
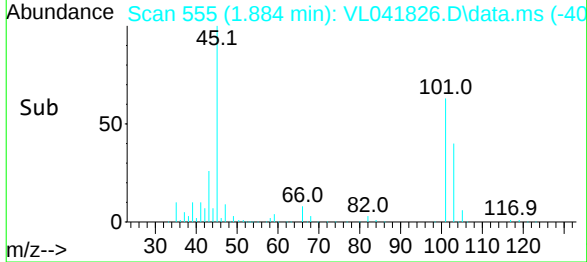
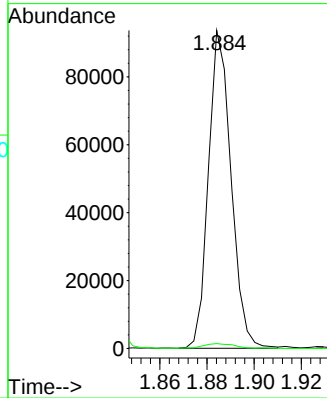
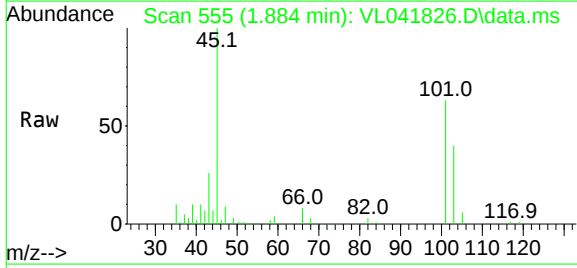
#19  
Isopropyl Alcohol  
Concen: 6.527 ppbv  
RT: 1.884 min Scan# 555  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 45 Resp: 62464  
Ion Ratio Lower Upper  
45 100  
58 2.3 33.3 49.9#

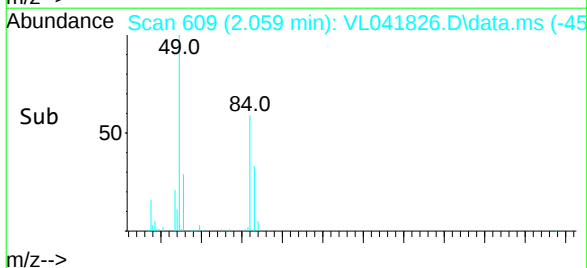
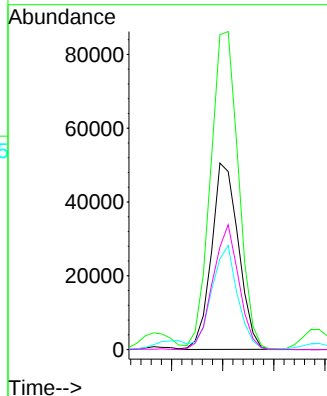
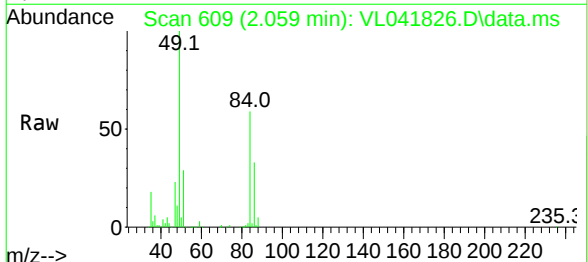
Manual Integrations  
APPROVED

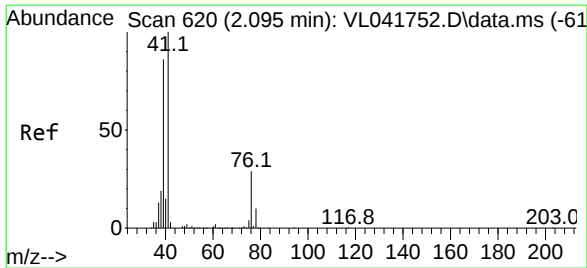
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#20  
Methylene Chloride  
Concen: 8.137 ppbv  
RT: 2.059 min Scan# 609  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 84 Resp: 37007  
Ion Ratio Lower Upper  
84 100  
49 168.7 132.6 198.8  
51 48.6 37.6 56.4  
86 55.1 51.4 77.0





#21

Allyl Chloride

Concen: 9.150 ppbv

RT: 2.095 min Scan# 621

Delta R.T. -0.000 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

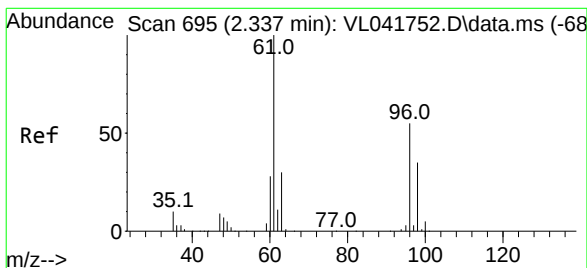
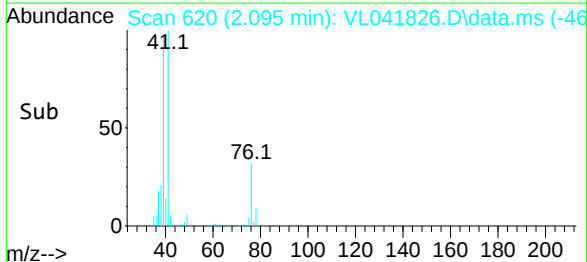
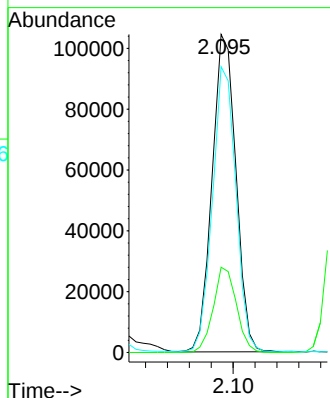
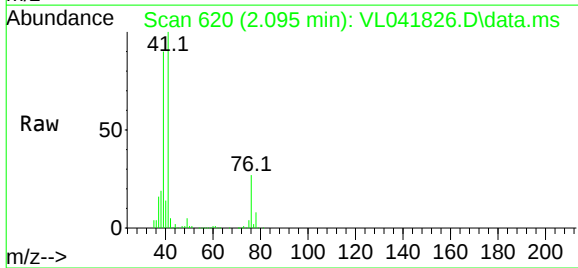
VSTDCCC010EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 79151 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 76       | 26.1  | 22.3  | 33.5  |
| 39       | 88.3  | 69.2  | 103.8 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#22

trans-1,2-Dichloroethene

Concen: 8.257 ppbv

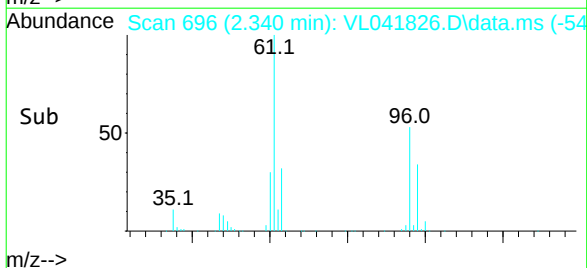
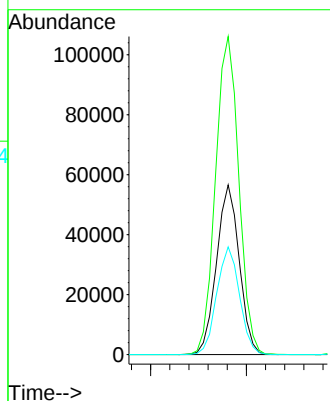
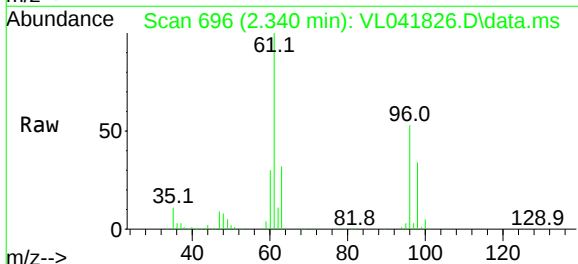
RT: 2.340 min Scan# 696

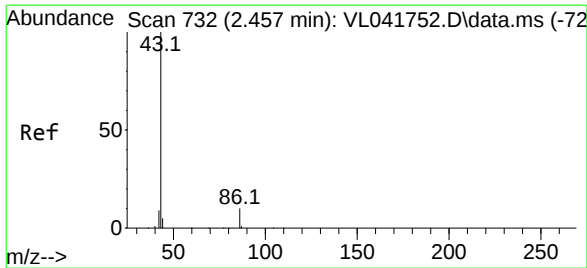
Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 46693 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 187.4 | 146.3 | 219.5 |
| 98       | 63.5  | 50.8  | 76.2  |





#23  
 Vinyl Acetate  
 Concen: 7.871 ppbv  
 RT: 2.460 min Scan# 732  
 Delta R.T. 0.003 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

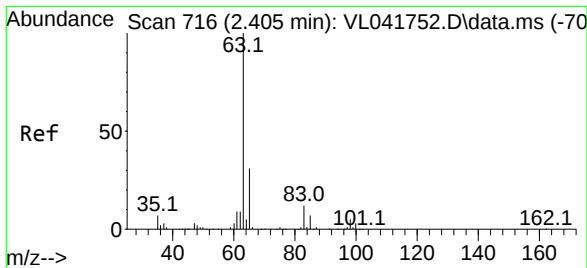
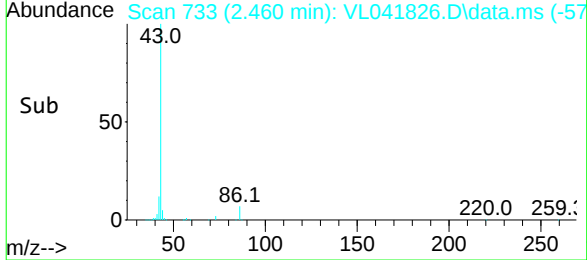
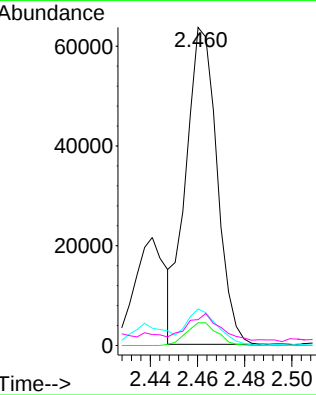
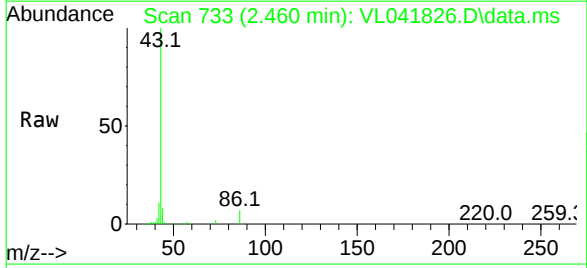
VSTDCCC010EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 58292 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 7.2   | 6.6   | 10.0  |
| 42       | 11.3  | 8.2   | 12.2  |
| 44       | 6.4   | 5.0   | 7.4   |

Manual Integrations

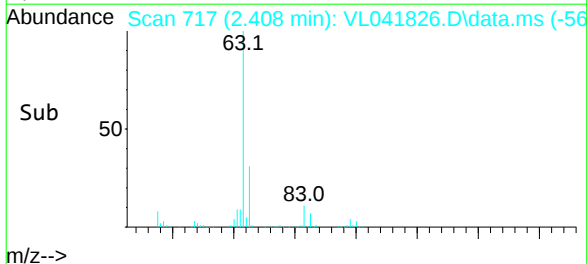
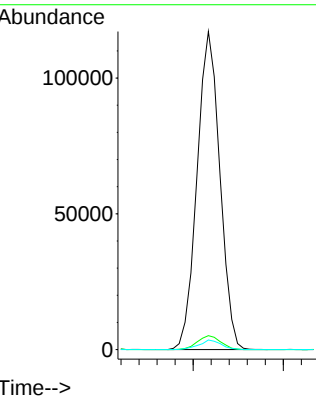
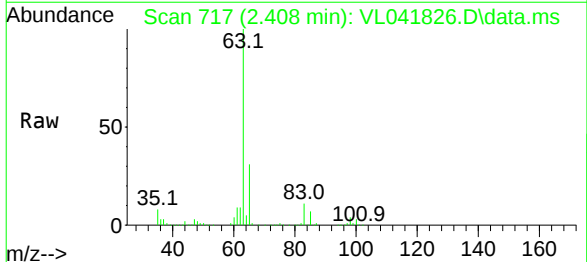
APPROVED

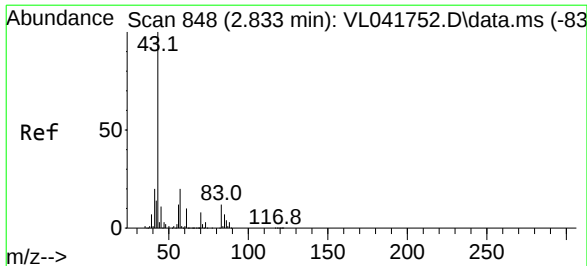
Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024



#24  
 1,1-Dichloroethane  
 Concen: 8.995 ppbv  
 RT: 2.408 min Scan# 717  
 Delta R.T. 0.003 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 102974 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 4.4   | 2.3   | 6.8    |
| 100      | 3.0   | 1.4   | 4.2    |





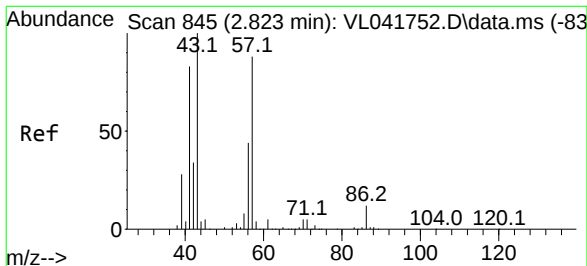
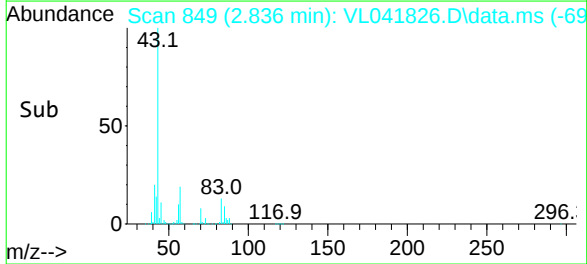
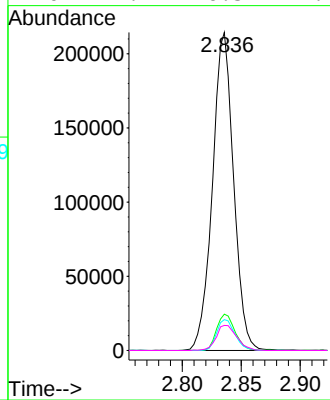
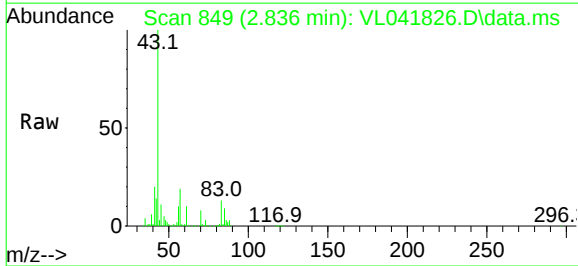
#25  
Ethyl Acetate  
Concen: 9.005 ppbv  
RT: 2.836 min Scan# 84  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 267179 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 45 10.0     | 8.1 12.1     |
| 61 8.5      | 7.0 10.6     |
| 70 7.7      | 6.5 9.7      |

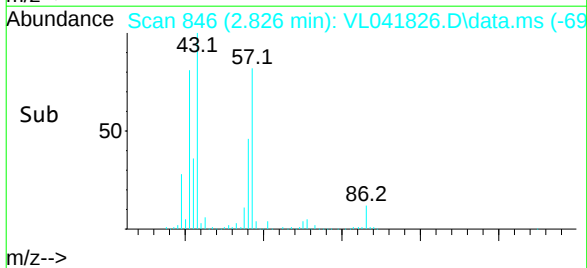
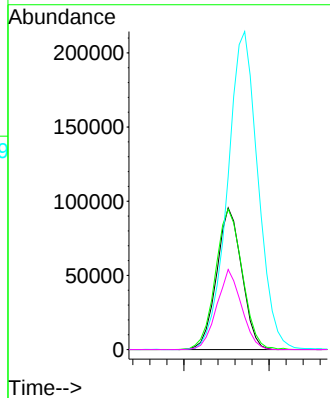
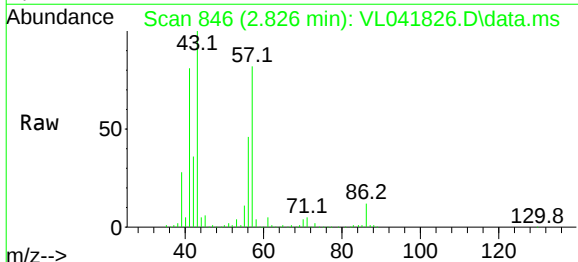
Manual Integrations  
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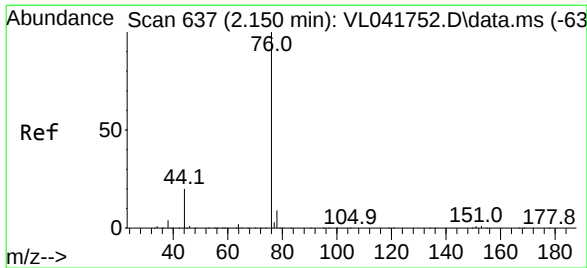
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#26  
Hexane  
Concen: 8.676 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

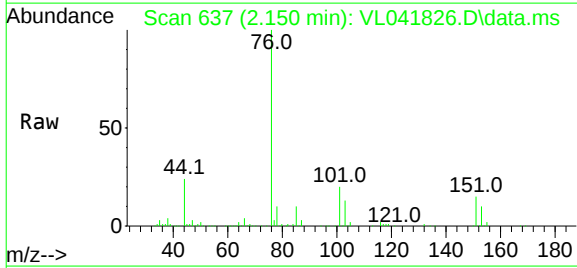
|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 97692 |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 106.5    | 79.6 119.4  |
| 43 273.6    | 211.0 316.6 |
| 56 55.6     | 42.6 63.8   |





#27  
Carbon Disulfide  
Concen: 8.618 ppbv  
RT: 2.150 min Scan# 637  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

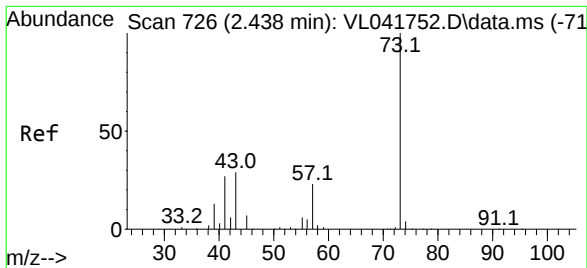
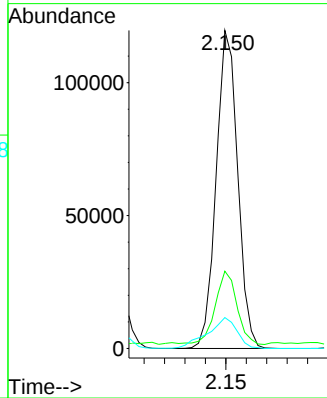
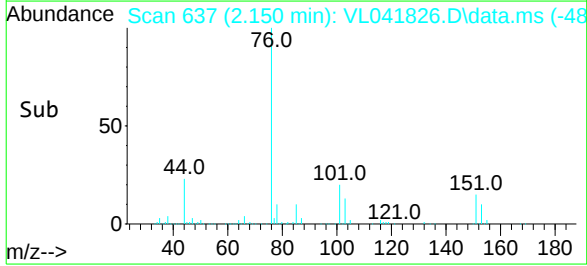
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 76 Resp: 87443  
Ion Ratio Lower Upper  
76 100  
44 24.0 17.6 26.4  
78 13.3 10.2 15.4

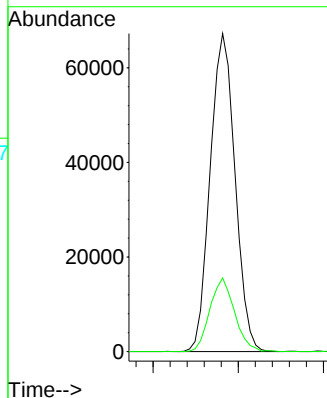
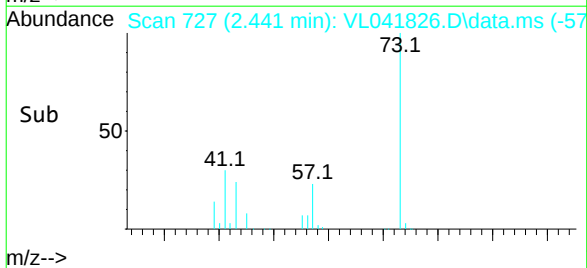
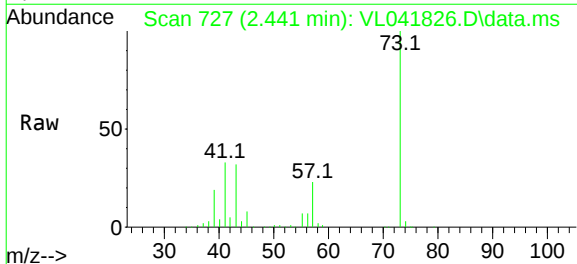
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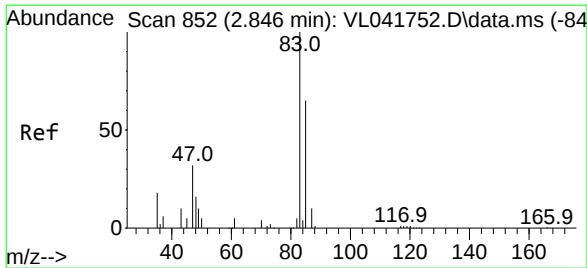
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#28  
Methyl tert-Butyl Ether  
Concen: 7.458 ppbv  
RT: 2.441 min Scan# 727  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 73 Resp: 68127  
Ion Ratio Lower Upper  
73 100  
57 23.0 17.6 26.4





#29

Chloroform

Concen: 9.014 ppbv

RT: 2.849 min Scan# 85

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 154678

Ion Ratio Lower Upper

83 100

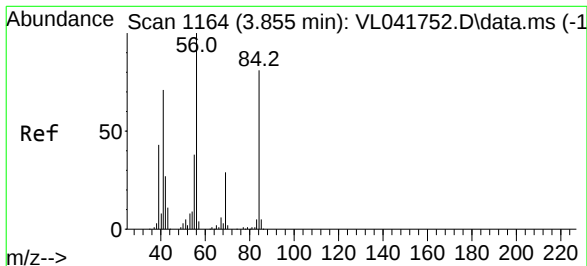
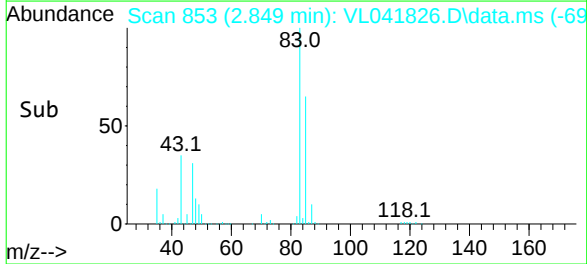
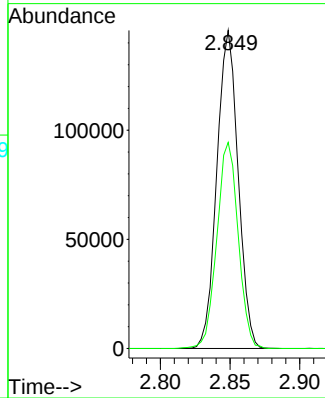
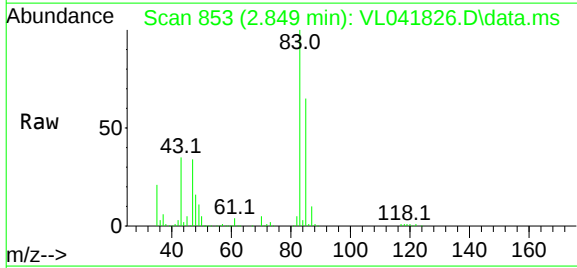
85 64.7 51.8 77.6

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#30

Cyclohexane

Concen: 8.090 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

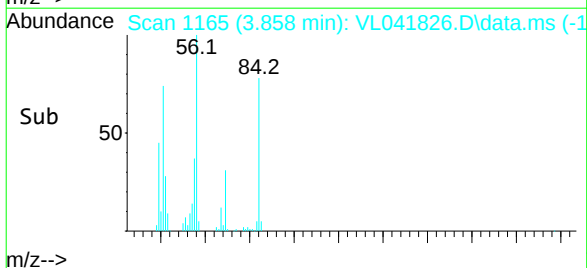
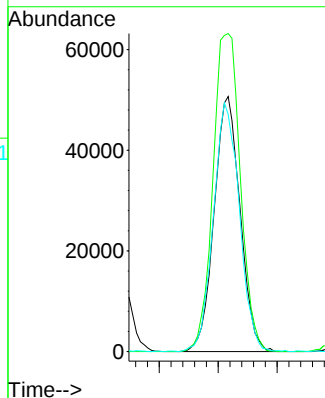
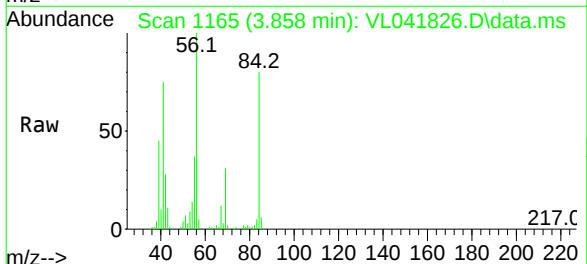
Tgt Ion: 84 Resp: 77506

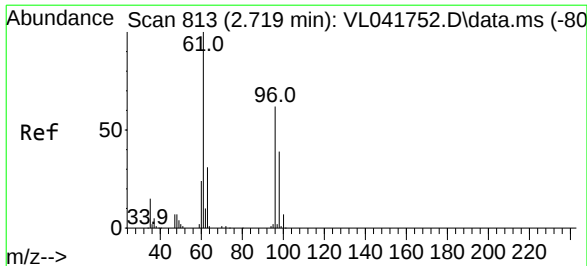
Ion Ratio Lower Upper

84 100

56 131.5 102.3 153.5

41 97.8 74.0 111.0





#31

cis-1,2-Dichloroethene

Concen: 8.257 ppbv

RT: 2.719 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

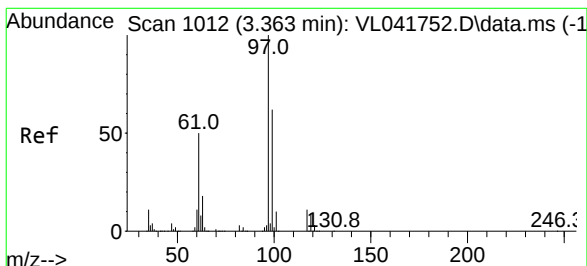
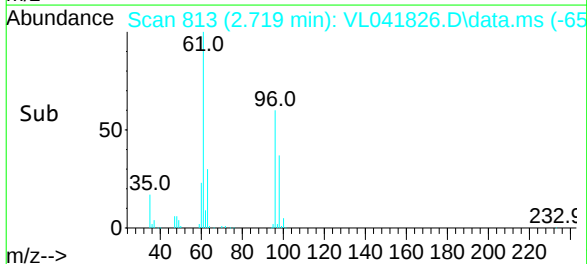
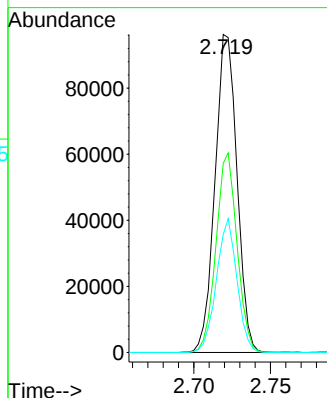
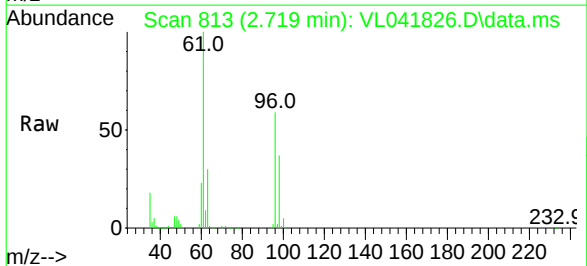
VSTDCCC010EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 96075 |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 59.5  | 49.7  | 74.5  |
| 98       | 37.1  | 30.8  | 46.2  |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#32

1,1,1-Trichloroethane

Concen: 8.408 ppbv

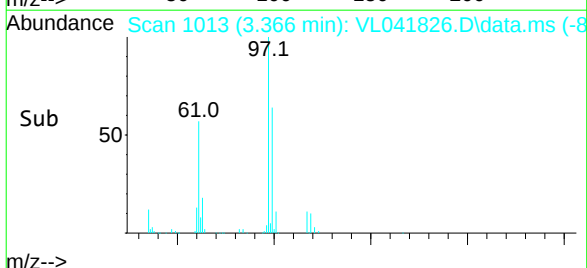
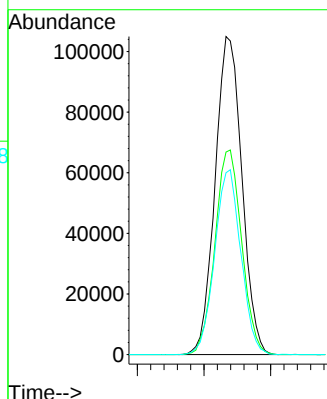
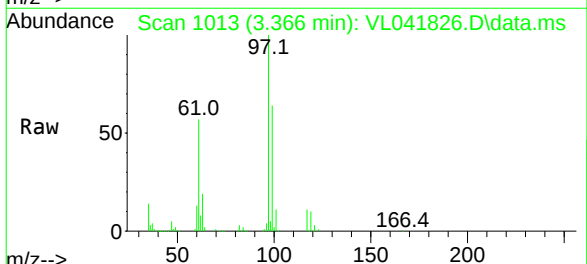
RT: 3.366 min Scan# 1013

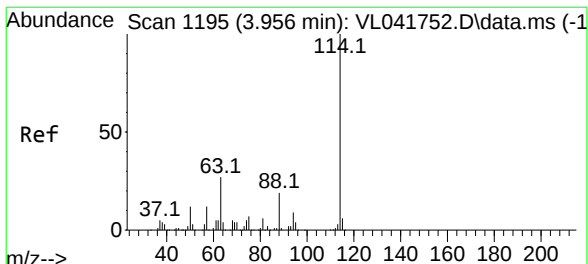
Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

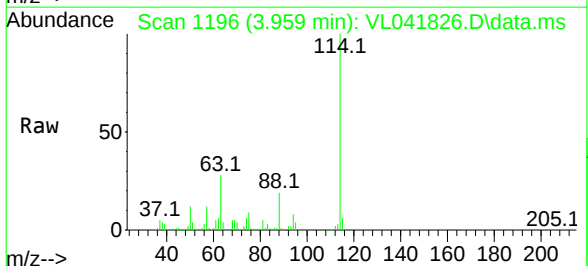
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 146660 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.2  | 51.0  | 76.4   |
| 61       | 56.9  | 42.2  | 63.2   |





#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.959 min Scan# 1116  
 Delta R.T. 0.003 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12

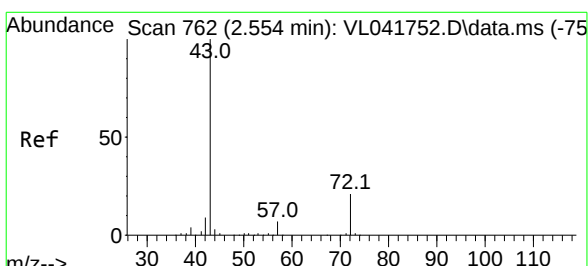
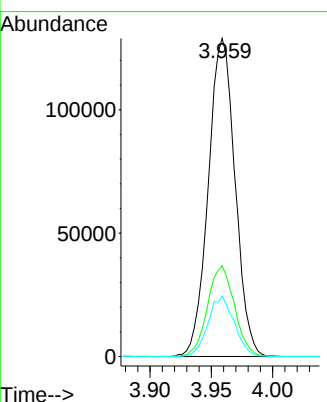
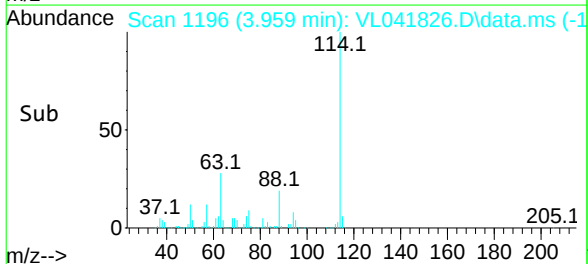
Instrument : MSVOA\_L  
 ClientSampleId : VSTDCCC010EC



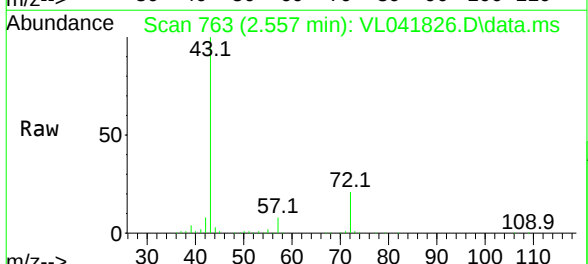
Tgt Ion: 114 Resp: 195816

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 28.8  | 21.8  | 32.8  |
| 88  | 18.6  | 14.8  | 22.2  |

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 Reviewed By :Semsettin Yesilyurt 12/20/2024  
 Supervised By :Mahesh Dadoda 12/20/2024

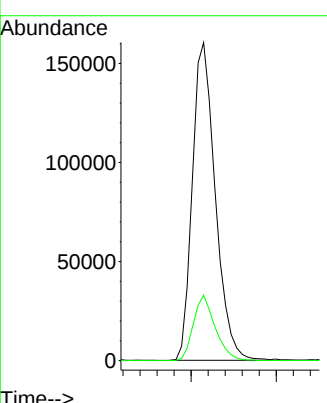
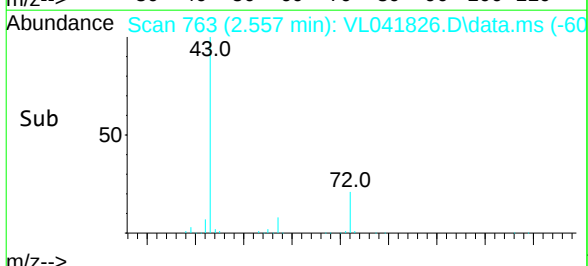


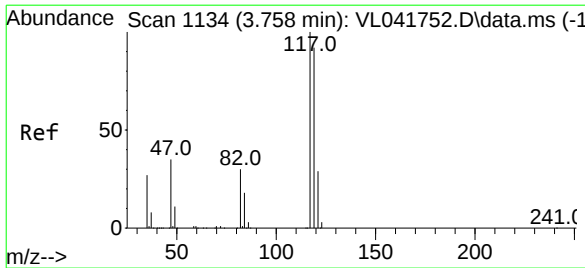
#34  
 2-Butanone  
 Concen: 9.518 ppbv  
 RT: 2.557 min Scan# 763  
 Delta R.T. 0.003 min  
 Lab File: VL041826.D  
 Acq: 19 Dec 2024 18:12



Tgt Ion: 43 Resp: 149934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 19.6  | 16.8  | 25.2  |





#35

Carbon Tetrachloride

Concen: 10.883 ppbv

RT: 3.765 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041826.D

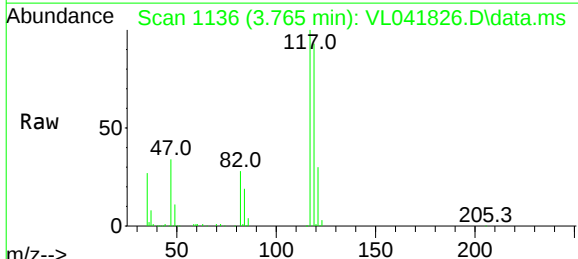
Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

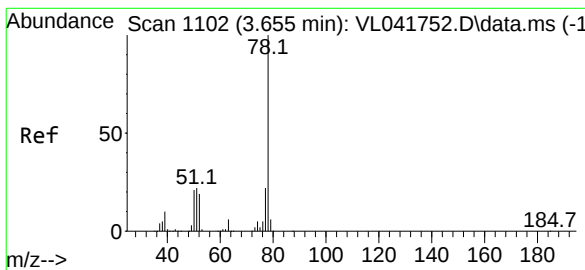
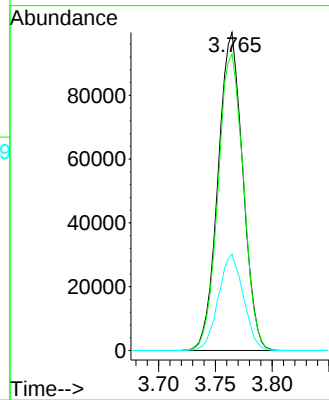
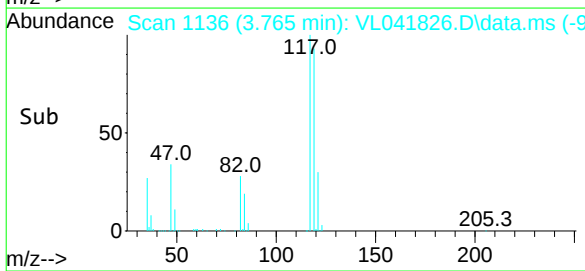


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 151276 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 93.2  | 73.7  | 110.5  |
| 121      | 30.3  | 23.0  | 34.4   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#36

Benzene

Concen: 9.430 ppbv

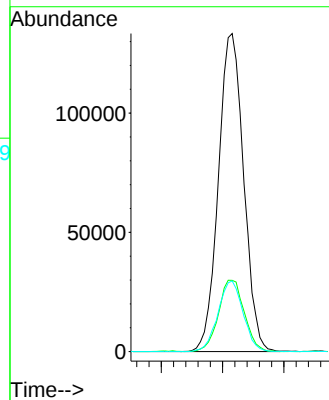
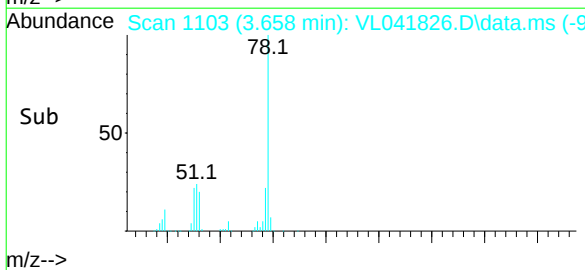
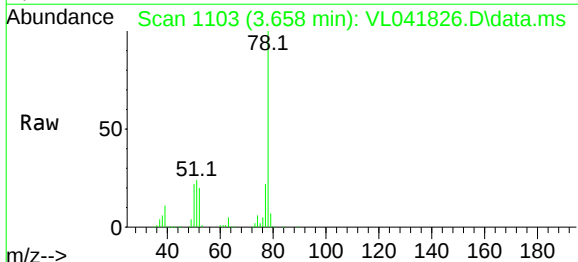
RT: 3.658 min Scan# 1103

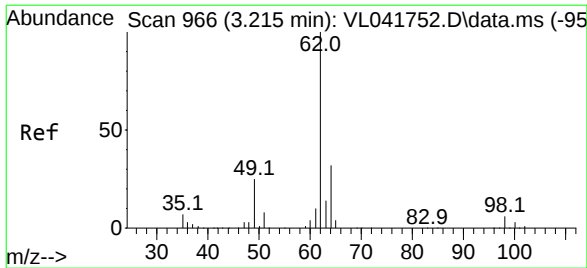
Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 78    | Resp: | 191005 |
| Ion      | Ratio | Lower | Upper  |
| 78       | 100   |       |        |
| 77       | 22.4  | 17.8  | 26.6   |
| 50       | 22.2  | 17.2  | 25.8   |





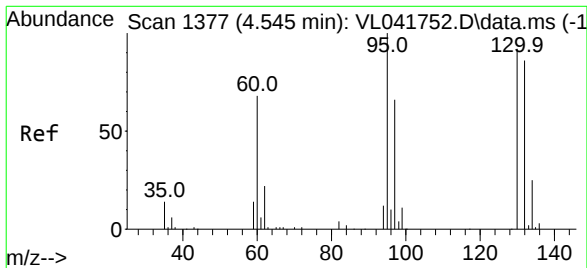
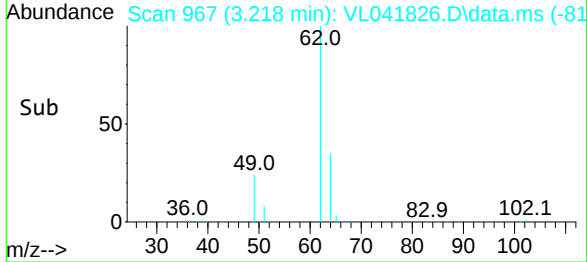
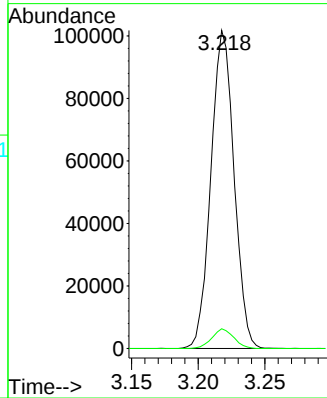
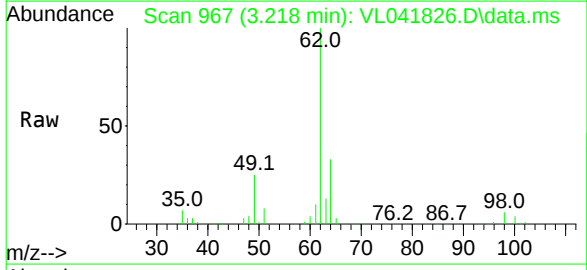
#37  
1,2-Dichloroethane  
Concen: 9.745 ppbv  
RT: 3.218 min Scan# 966  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 62 Resp: 122824  
Ion Ratio Lower Upper  
62 100  
98 5.8 4.7 7.1

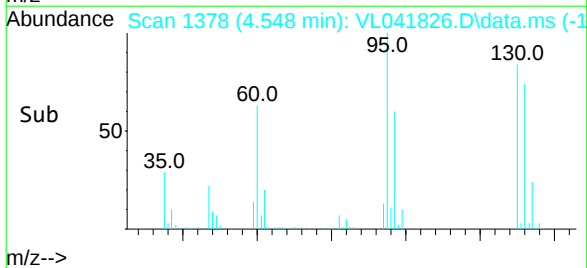
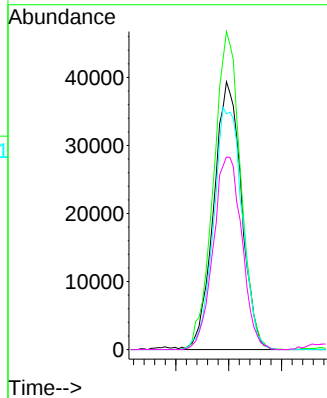
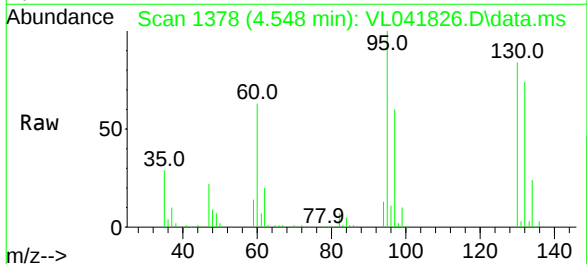
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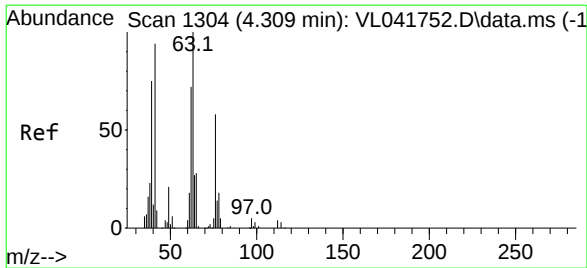
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#38  
Trichloroethene  
Concen: 8.353 ppbv  
RT: 4.548 min Scan# 1378  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion:130 Resp: 71818  
Ion Ratio Lower Upper  
130 100  
95 118.8 87.0 130.6  
132 88.0 75.0 112.6  
97 71.8 57.2 85.8





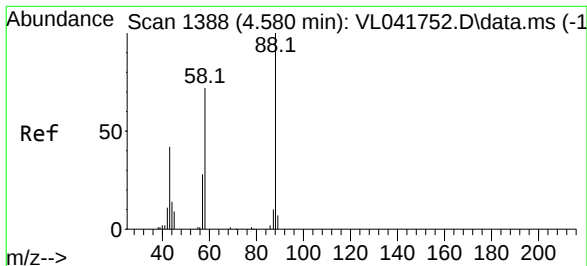
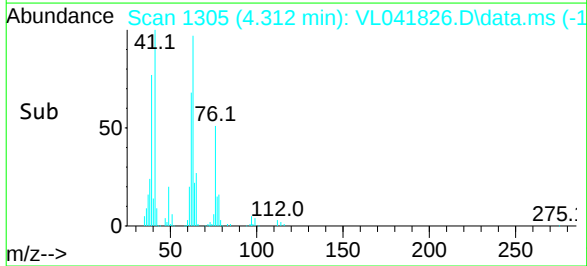
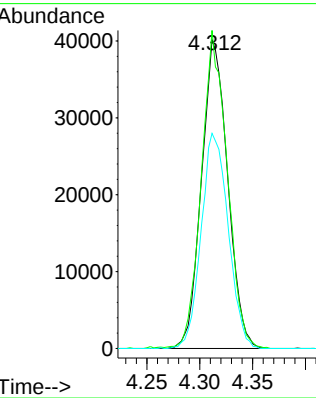
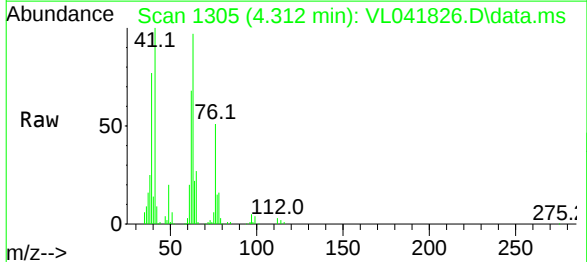
#39  
1,2-Dichloropropane  
Concen: 9.428 ppbv  
RT: 4.312 min Scan# 1304  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 63 Resp: 69067  
Ion Ratio Lower Upper  
63 100  
41 102.7 75.3 112.9  
62 69.7 57.3 85.9

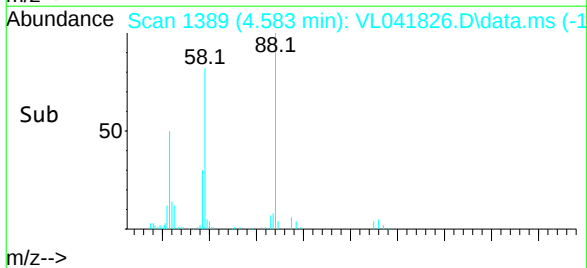
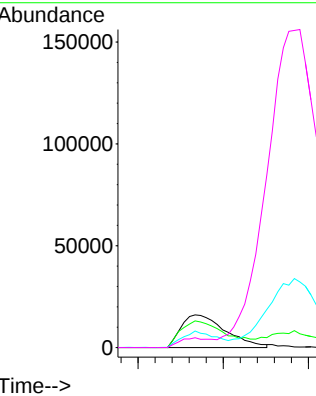
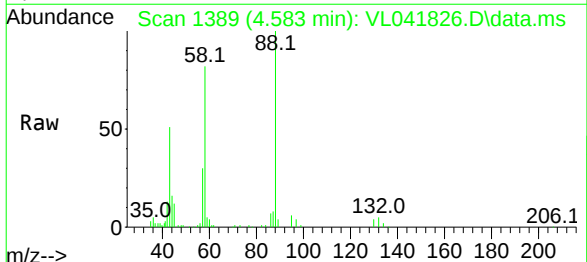
Manual Integrations  
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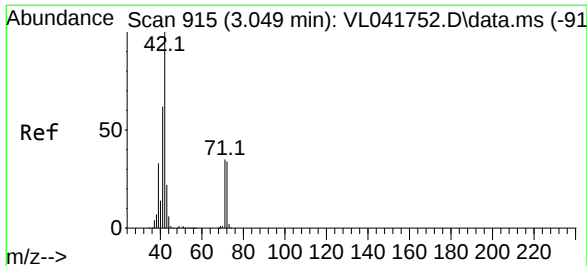
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#40  
1,4-Dioxane  
Concen: 8.127 ppbv  
RT: 4.583 min Scan# 1389  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

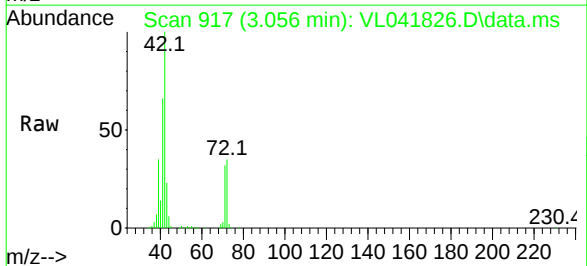
Tgt Ion: 88 Resp: 29082  
Ion Ratio Lower Upper  
88 100  
58 85.0 61.0 91.6  
43 37.1 29.4 44.0  
57 0.0 0.0 0.0





#41  
Tetrahydrofuran  
Concen: 9.307 ppbv  
RT: 3.056 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

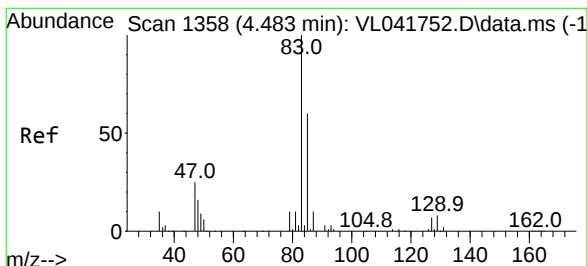
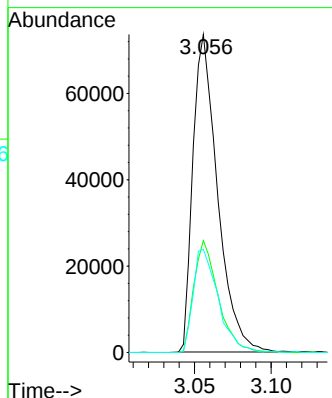
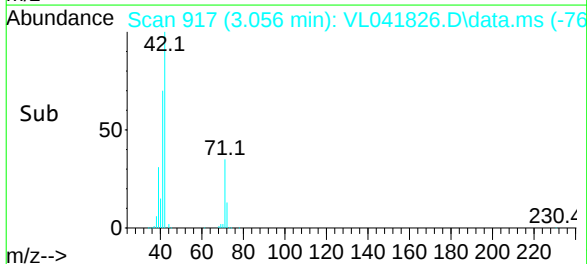
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



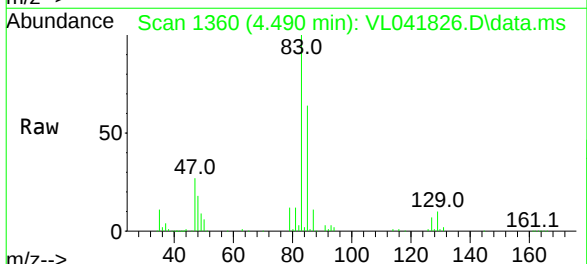
Tgt Ion: 42 Resp: 82140  
Ion Ratio Lower Upper  
42 100  
72 34.9 29.1 43.7  
71 33.4 28.4 42.6

Manual Integrations  
APPROVED

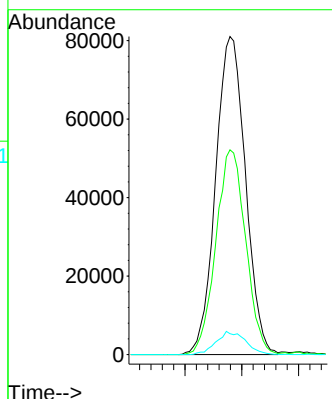
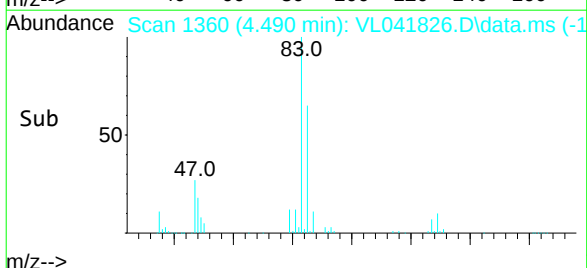
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

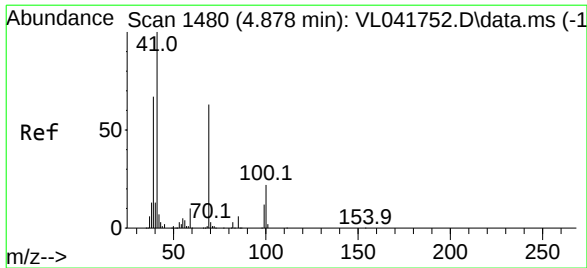


#42  
Bromodichloromethane  
Concen: 10.215 ppbv  
RT: 4.490 min Scan# 1360  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12



Tgt Ion: 83 Resp: 148108  
Ion Ratio Lower Upper  
83 100  
85 64.4 48.0 72.0  
127 6.6 5.8 8.8





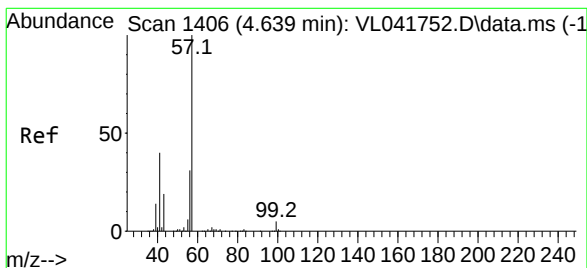
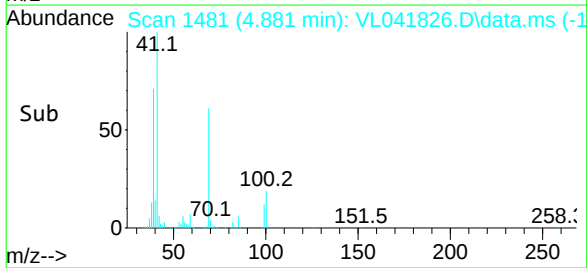
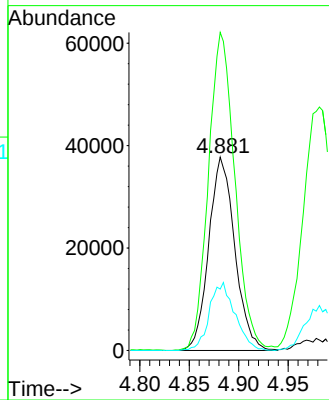
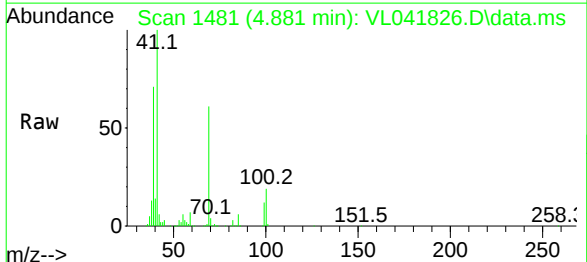
#43  
Methyl Methacrylate  
Concen: 8.972 ppbv  
RT: 4.881 min Scan# 1408  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 167.5 | 130.3 | 195.5 |
| 100     | 34.5  | 28.3  | 42.5  |

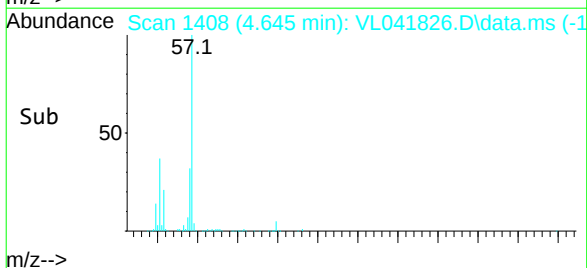
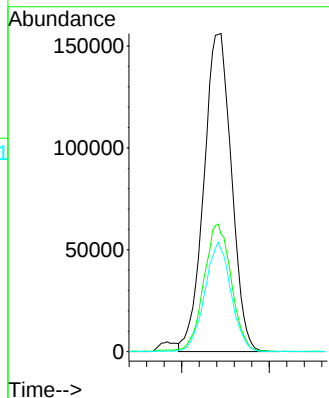
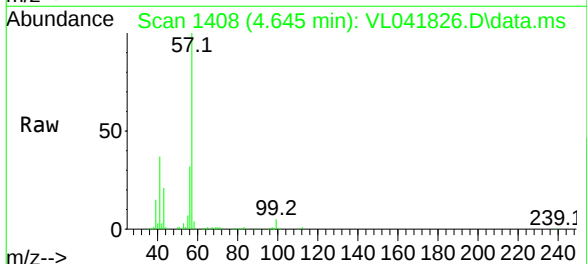
Manual Integrations  
APPROVED

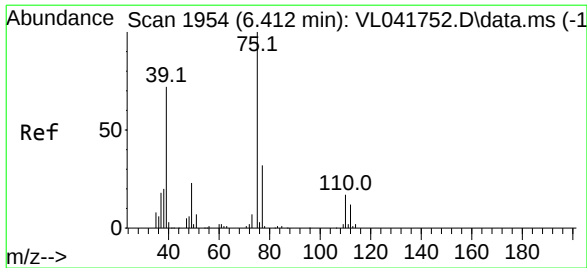
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#44  
2,2,4-Trimethylpentane  
Concen: 9.876 ppbv  
RT: 4.645 min Scan# 1408  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 57      | 100   |       |       |
| 41      | 40.4  | 30.7  | 46.1  |
| 56      | 32.6  | 25.4  | 38.0  |





#45

t-1,3-Dichloropropene

Concen: 7.708 ppbv

RT: 6.419 min Scan# 19

Delta R.T. 0.006 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 61532

Ion Ratio Lower Upper

75 100

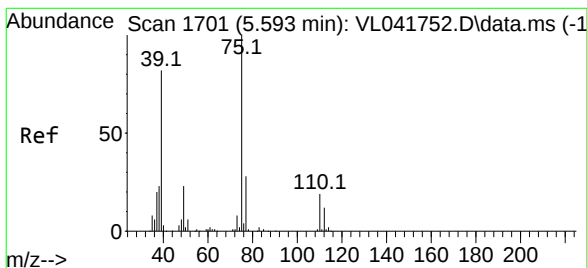
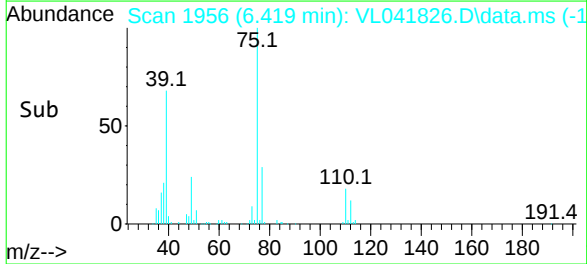
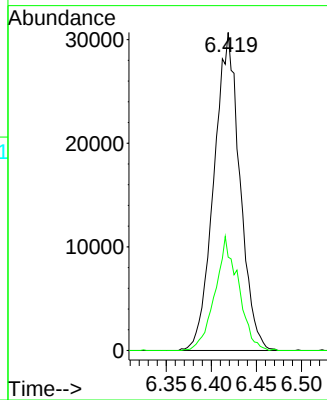
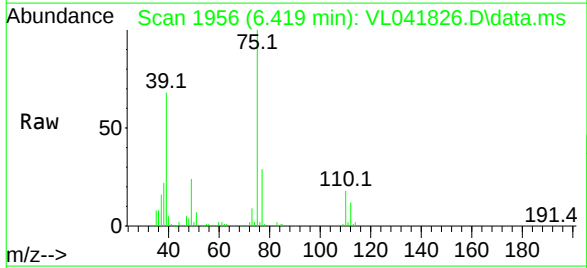
77 29.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#46

cis-1,3-Dichloropropene

Concen: 8.187 ppbv

RT: 5.603 min Scan# 1704

Delta R.T. 0.010 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

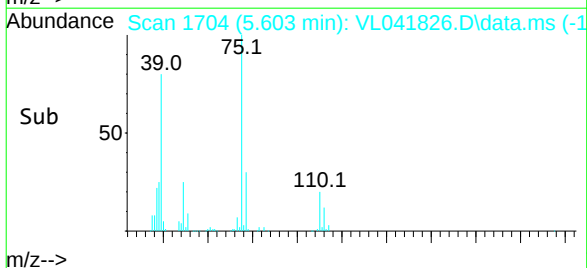
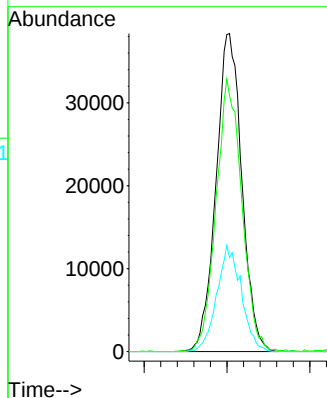
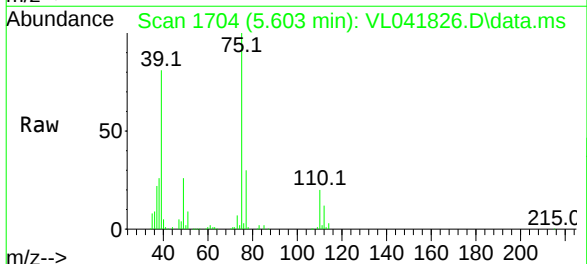
Tgt Ion: 75 Resp: 82960

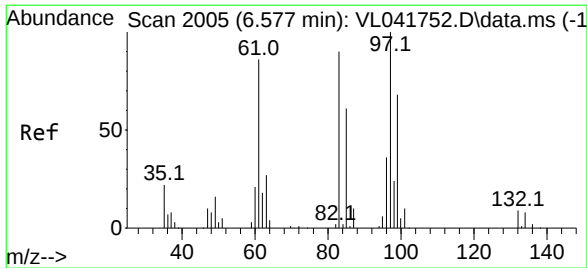
Ion Ratio Lower Upper

75 100

39 80.4 65.2 97.8

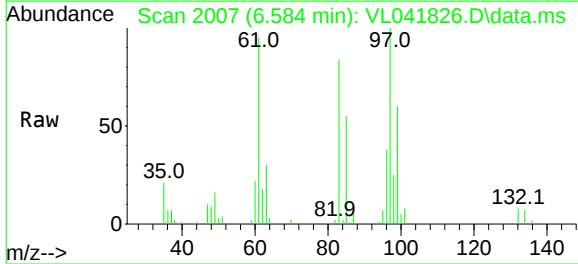
77 29.5 22.0 33.0





#47  
1,1,2-Trichloroethane  
Concen: 9.370 ppbv  
RT: 6.584 min Scan# 2005  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

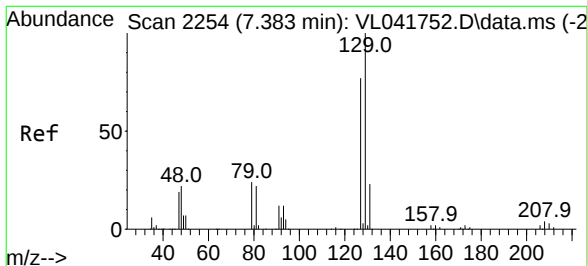
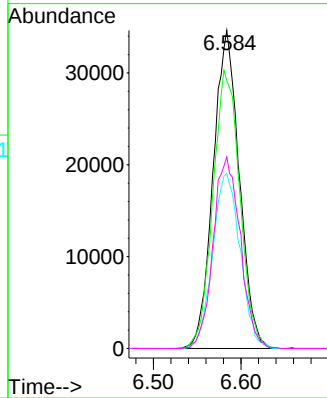
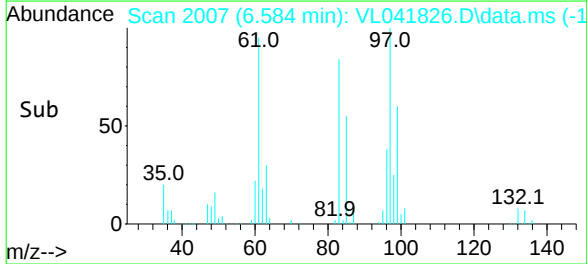
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 97 Resp: 71698  
Ion Ratio Lower Upper  
97 100  
83 84.0 72.3 108.5  
85 55.0 48.5 72.7  
99 60.2 54.0 81.0

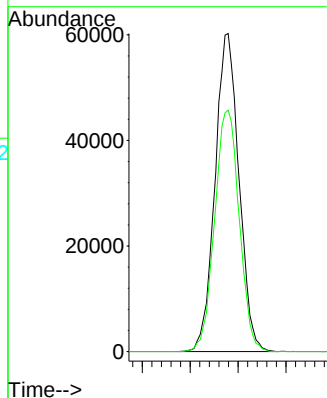
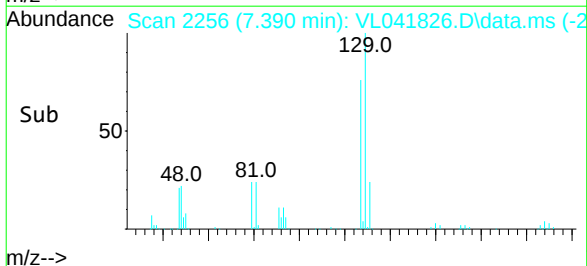
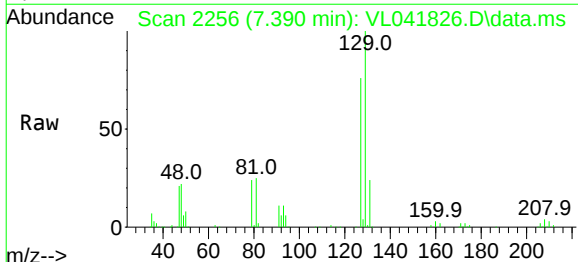
Manual Integrations  
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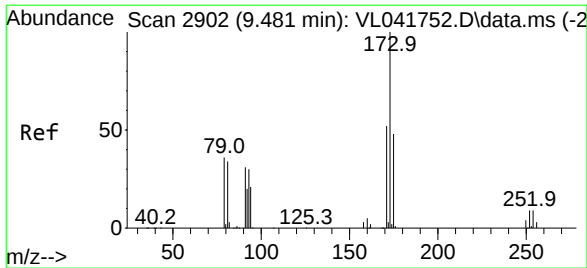
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#48  
Dibromochloromethane  
Concen: 9.998 ppbv  
RT: 7.390 min Scan# 2256  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion:129 Resp: 104455  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.8 116.3





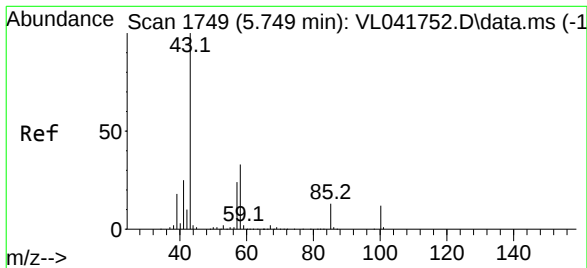
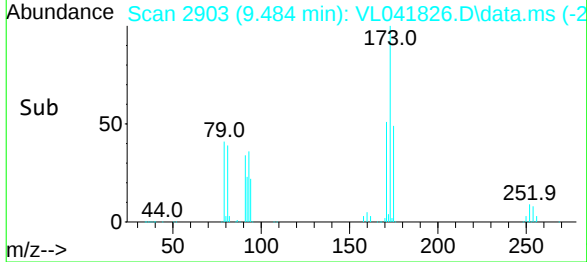
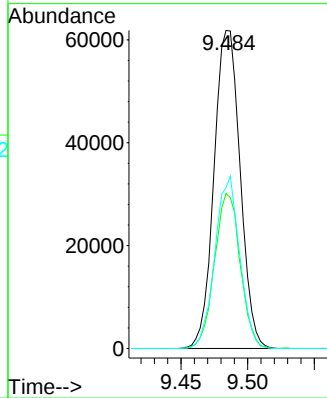
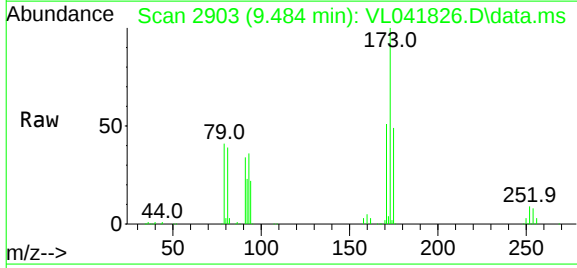
#49  
Bromoform  
Concen: 9.861 ppbv  
RT: 9.484 min Scan# 2902  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.0  | 38.2  | 57.2  |
| 171     | 51.2  | 41.1  | 61.7  |

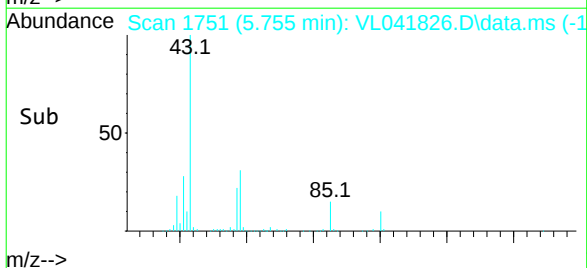
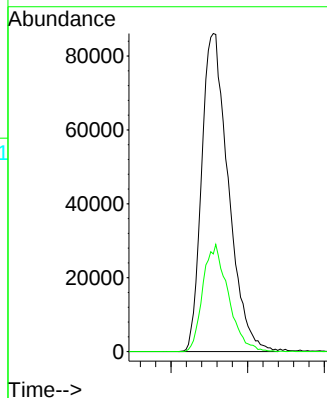
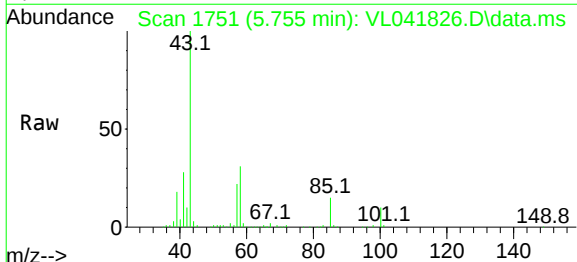
Manual Integrations  
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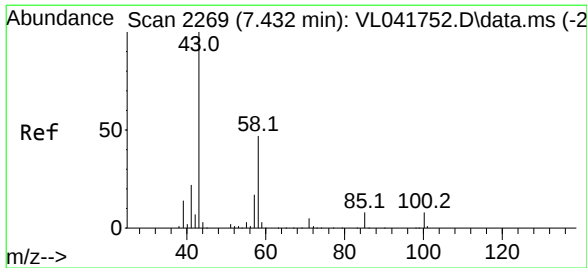
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#50  
4-Methyl-2-Pentanone  
Concen: 9.706 ppbv  
RT: 5.755 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.2  | 26.8  | 40.2  |





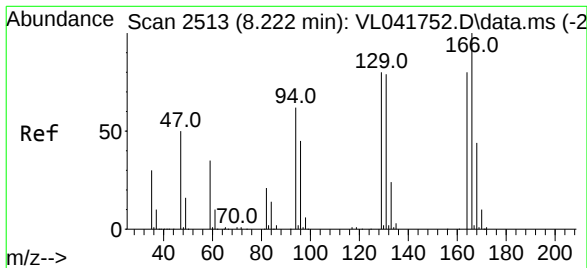
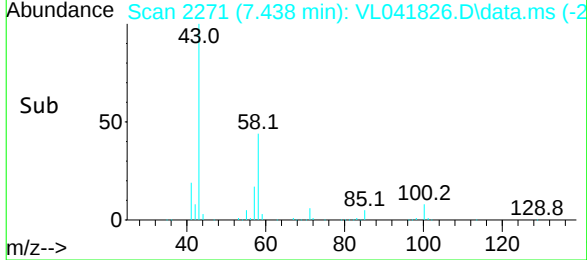
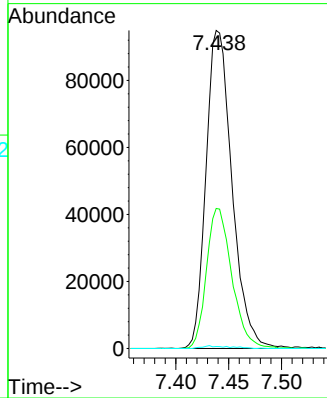
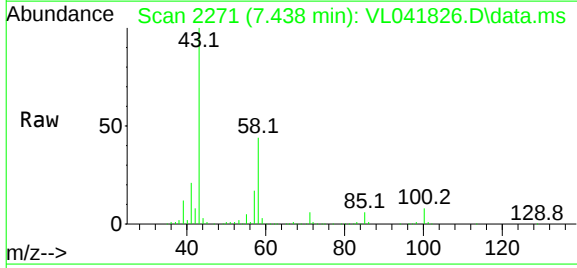
#51  
2-Hexanone  
Concen: 9.322 ppbv  
RT: 7.438 min Scan# 2269  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 43 Resp: 162066  
Ion Ratio Lower Upper  
43 100  
58 43.1 36.6 55.0  
98 0.9 0.1 0.1

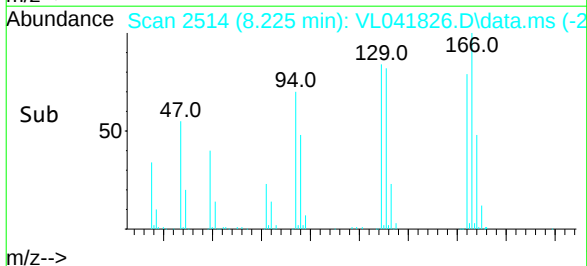
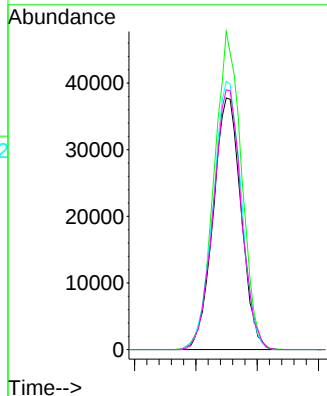
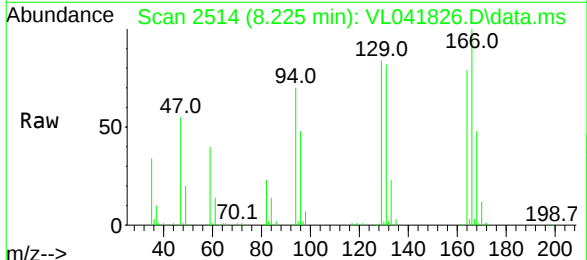
Manual Integrations  
APPROVED

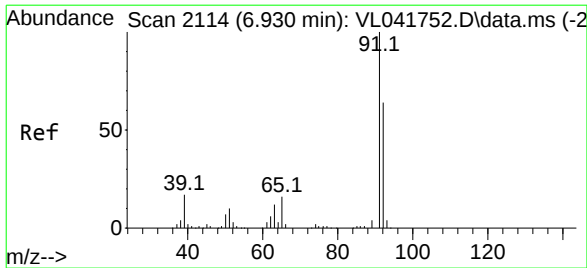
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#52  
Tetrachloroethene  
Concen: 7.922 ppbv  
RT: 8.225 min Scan# 2514  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

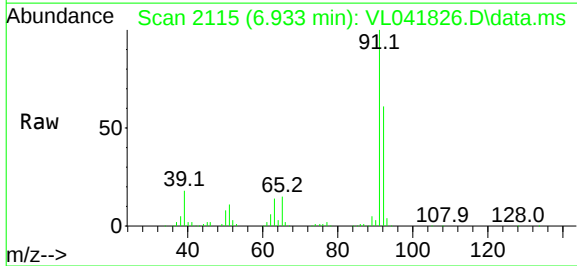
Tgt Ion:164 Resp: 59727  
Ion Ratio Lower Upper  
164 100  
166 126.3 99.8 149.6  
129 106.5 79.6 119.4  
131 103.3 78.6 117.8





#53  
Toluene  
Concen: 8.593 ppbv  
RT: 6.933 min Scan# 2114  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

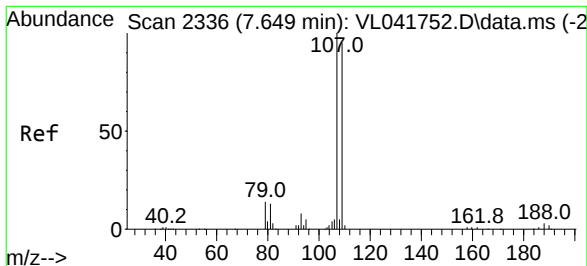
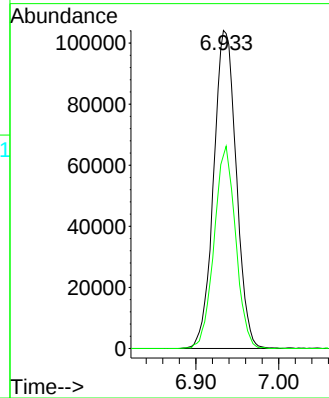
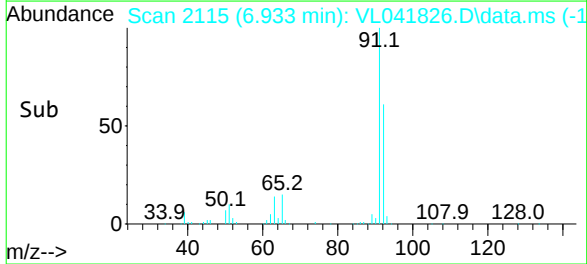
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 91 Resp: 197327  
Ion Ratio Lower Upper  
91 100  
92 60.4 47.9 71.9

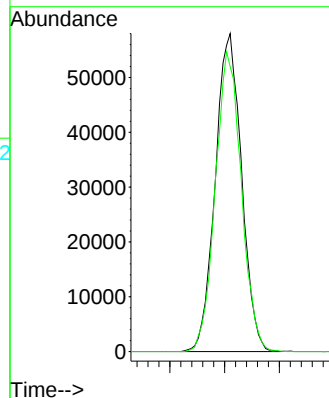
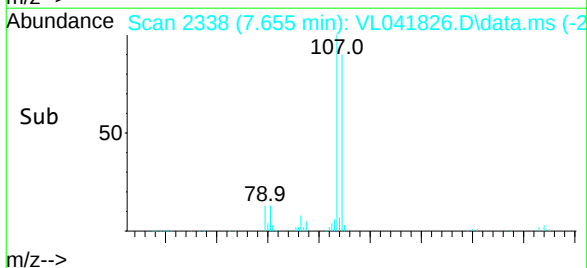
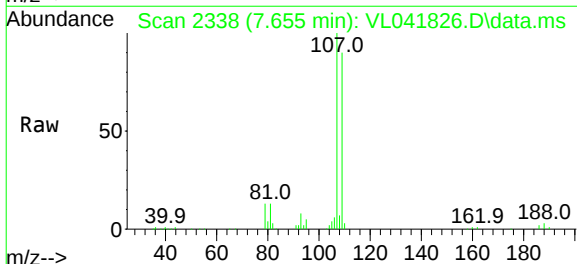
Manual Integrations  
APPROVED

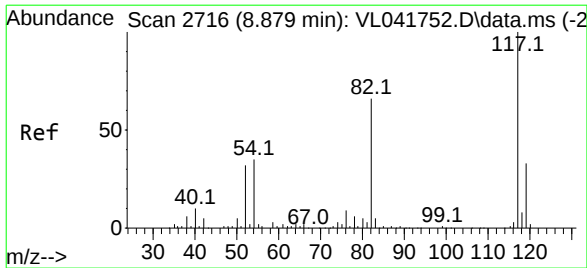
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#54  
1,2-Dibromoethane  
Concen: 9.170 ppbv  
RT: 7.655 min Scan# 2338  
Delta R.T. 0.006 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

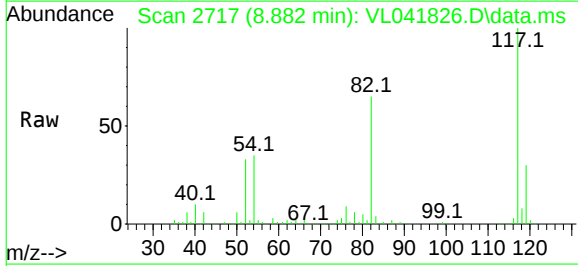
Tgt Ion:107 Resp: 96675  
Ion Ratio Lower Upper  
107 100  
109 89.6 75.9 113.9





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 2716  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

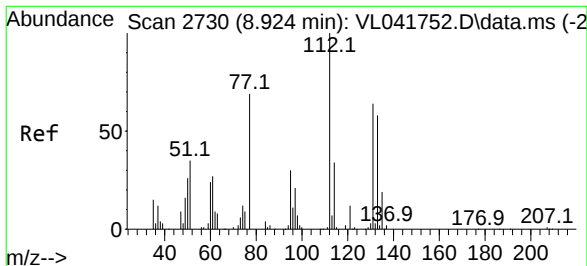
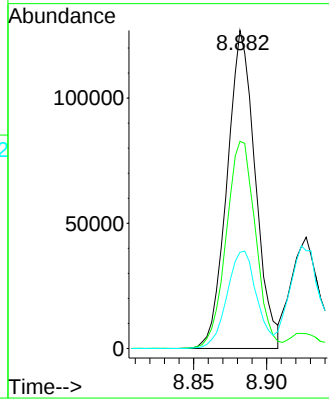
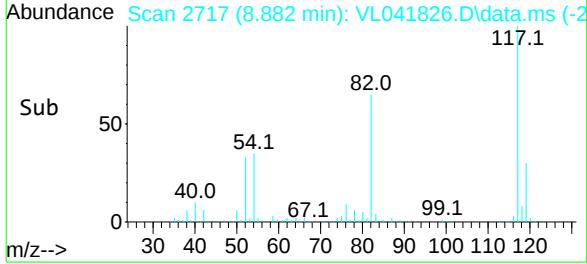
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:117 Resp: 170821  
Ion Ratio Lower Upper  
117 100  
82 72.9 53.8 80.8  
119 31.8 26.7 40.1

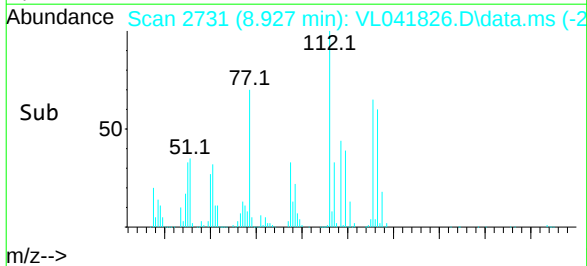
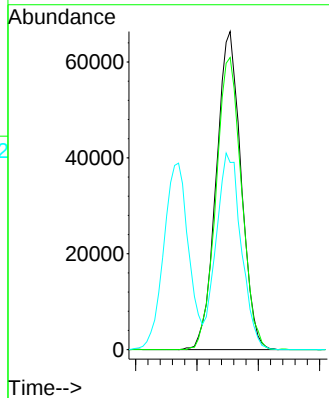
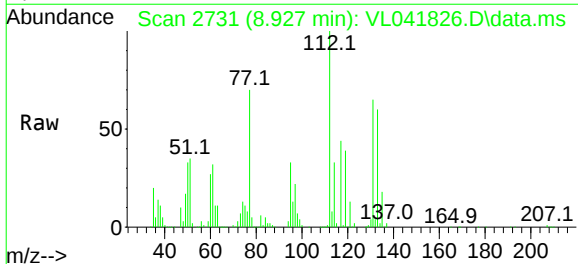
Manual Integrations  
APPROVED

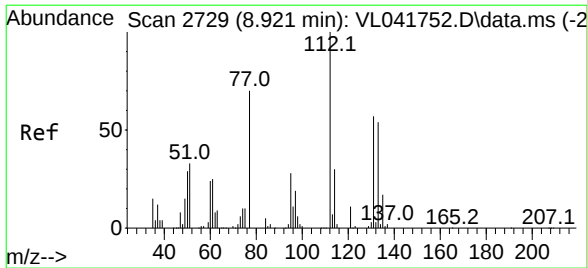
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.302 ppbv  
RT: 8.927 min Scan# 2731  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

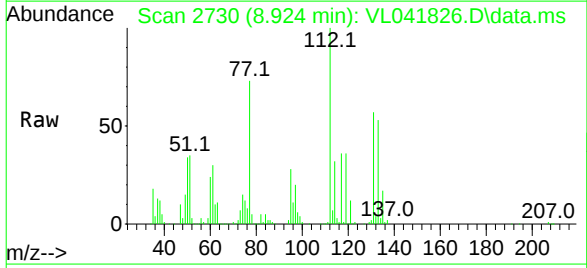
Tgt Ion:131 Resp: 93296  
Ion Ratio Lower Upper  
131 100  
133 94.4 76.8 115.2  
119 63.6 49.0 73.6





#57  
Chlorobenzene  
Concen: 9.407 ppbv  
RT: 8.924 min Scan# 2729  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

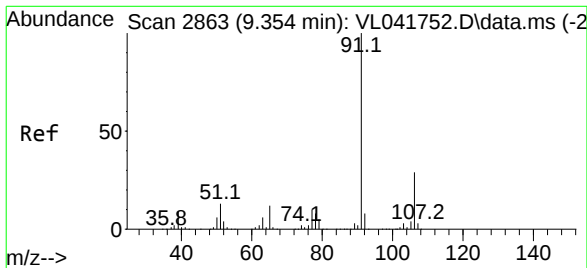
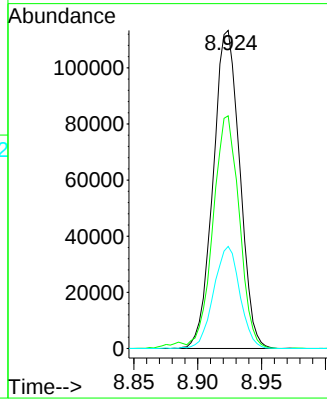
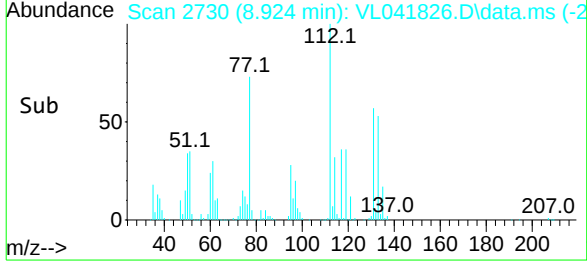
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 112 Resp: 164436  
Ion Ratio Lower Upper  
112 100  
77 73.2 57.4 86.0  
114 32.1 27.4 33.4

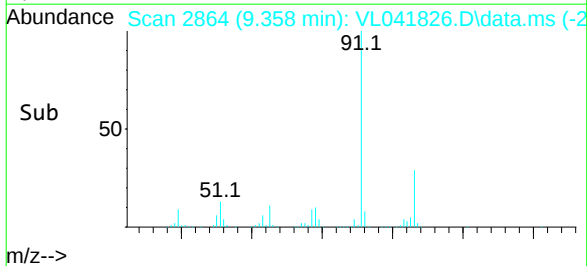
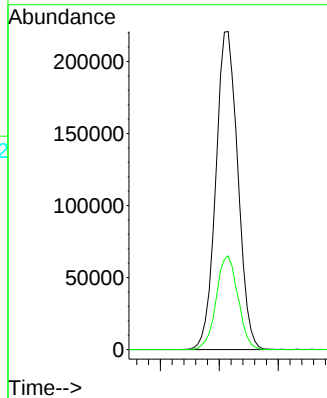
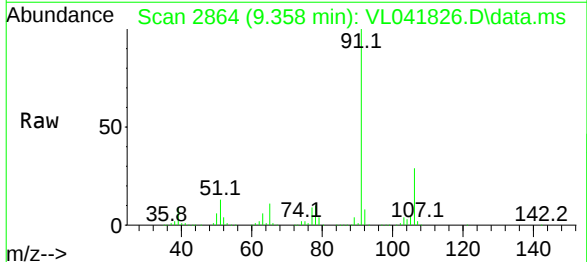
Manual Integrations  
APPROVED

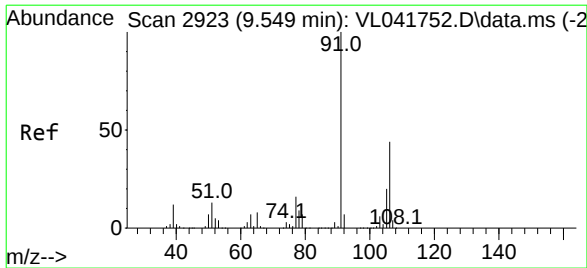
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#58  
Ethyl Benzene  
Concen: 9.308 ppbv  
RT: 9.358 min Scan# 2864  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 91 Resp: 286262  
Ion Ratio Lower Upper  
91 100  
106 29.4 23.5 35.3





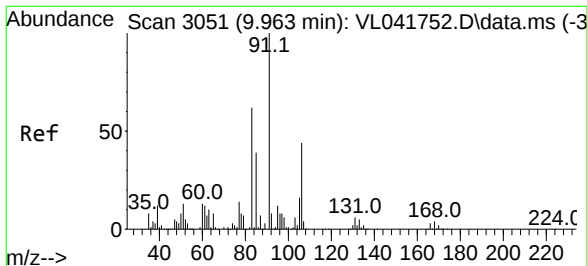
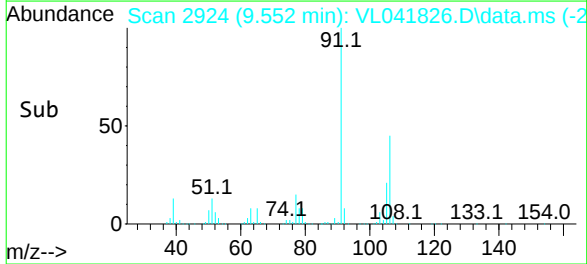
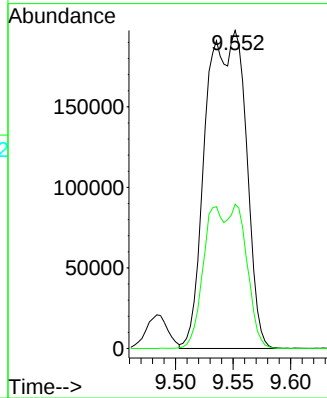
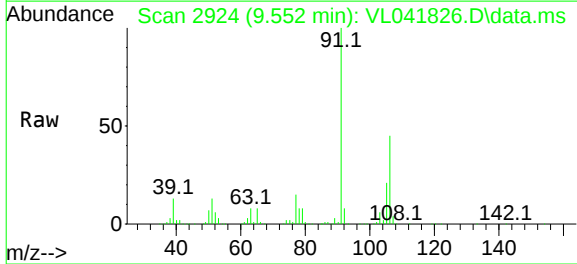
#59  
m/p-Xylene  
Concen: 19.398 ppbv m  
RT: 9.552 min Scan# 2923  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 91 Resp: 479664  
Ion Ratio Lower Upper  
91 100  
106 45.7 0.0 0.0#

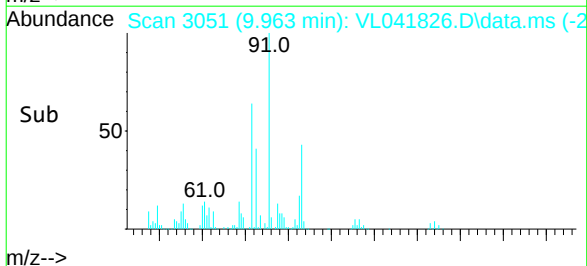
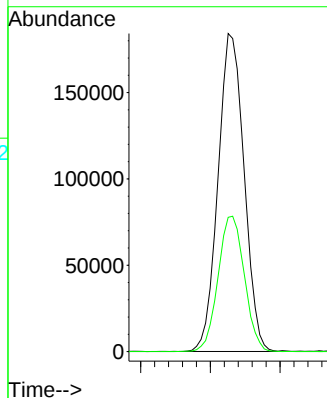
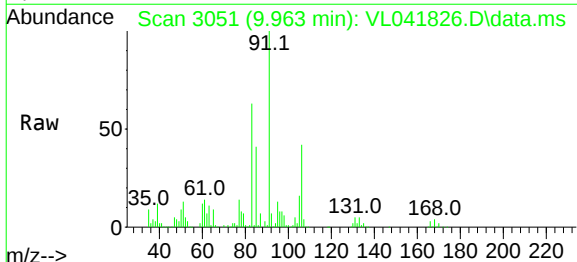
Manual Integrations  
APPROVED

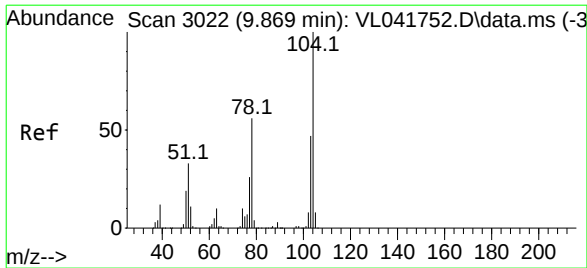
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#60  
o-Xylene  
Concen: 9.640 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

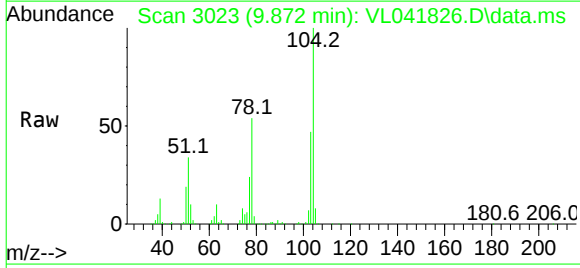
Tgt Ion: 91 Resp: 239050  
Ion Ratio Lower Upper  
91 100  
106 43.0 21.1 63.4





#61  
Styrene  
Concen: 8.941 ppbv  
RT: 9.872 min Scan# 3022  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

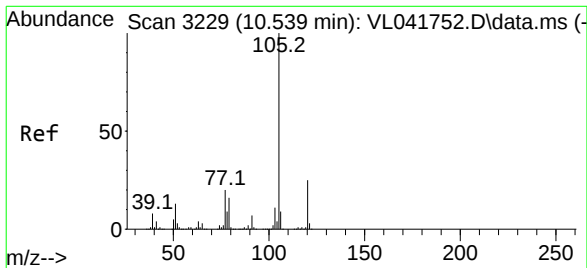
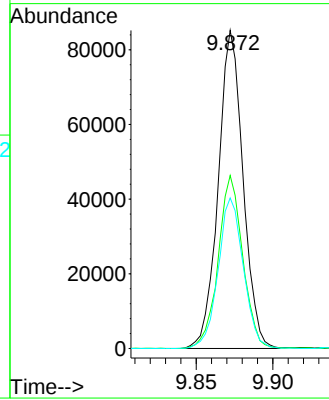
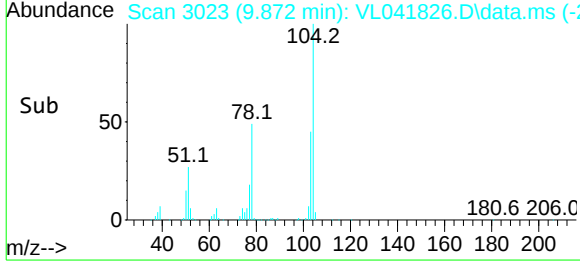
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion:104 Resp: 95865  
Ion Ratio Lower Upper  
104 100  
78 53.9 43.8 65.6  
103 48.1 37.8 56.6

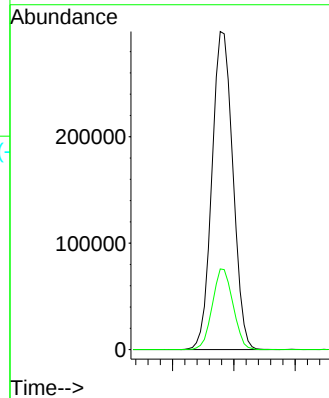
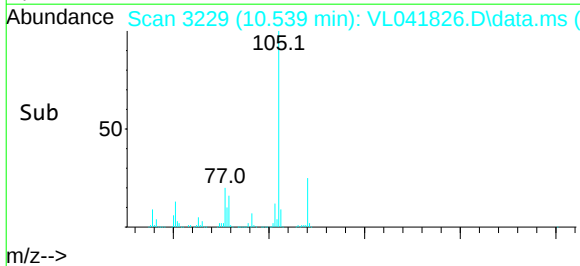
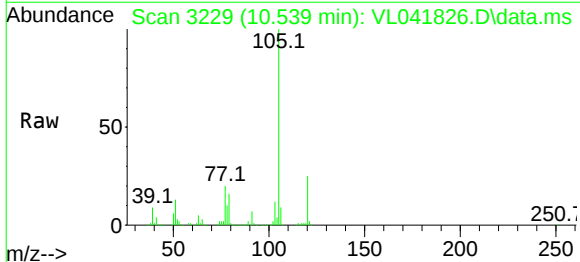
Manual Integrations  
APPROVED

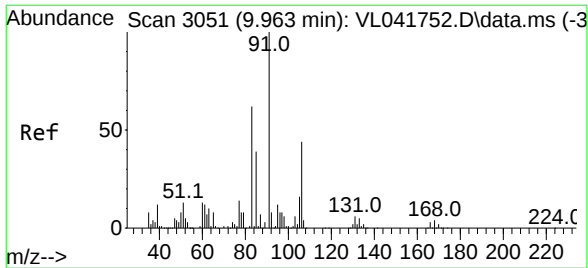
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#62  
Isopropylbenzene  
Concen: 9.531 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

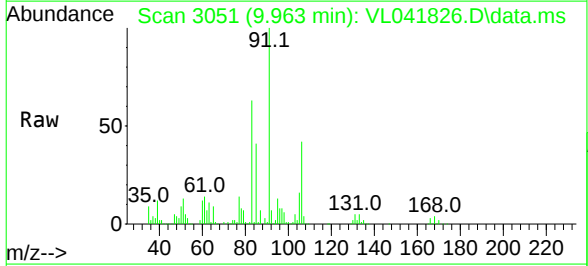
Tgt Ion:105 Resp: 355098  
Ion Ratio Lower Upper  
105 100  
120 25.0 19.8 29.8





#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.747 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

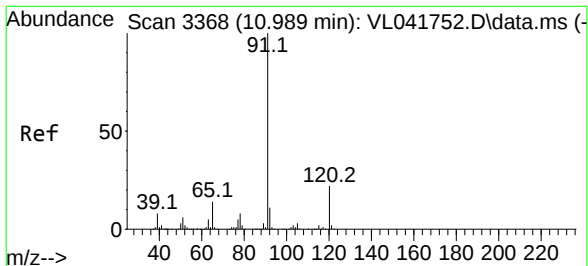
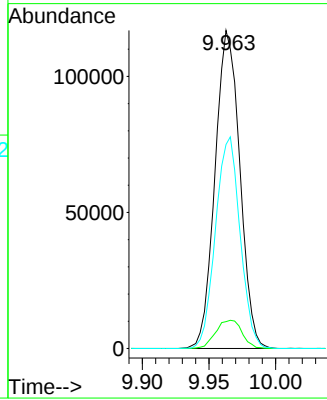
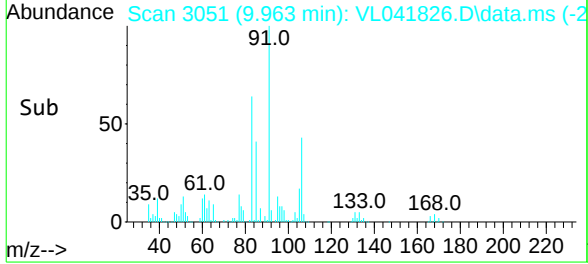
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



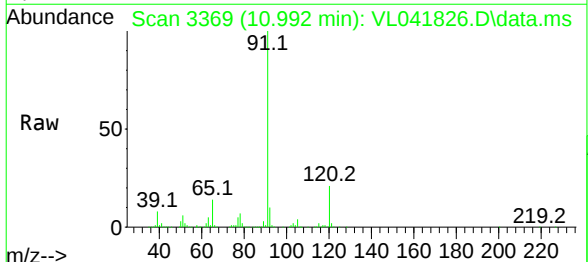
Tgt Ion: 83 Resp: 151287  
Ion Ratio Lower Upper  
83 100  
131 9.5 4.9 14.7  
85 65.9 32.0 96.2

Manual Integrations  
APPROVED

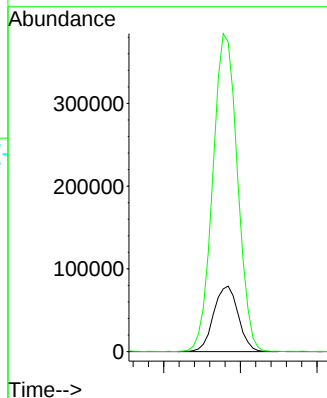
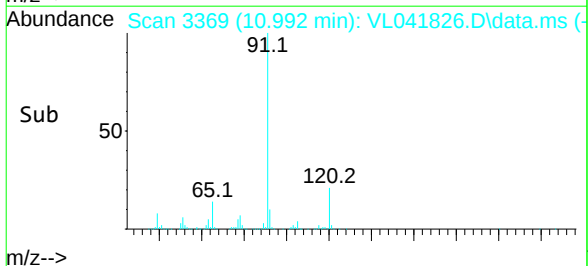
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

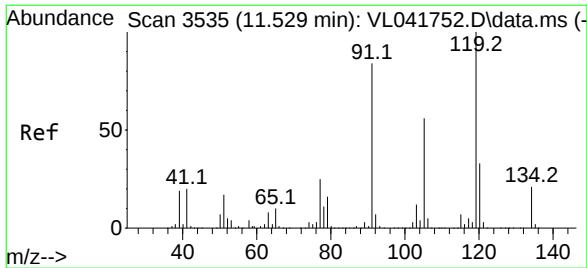


#64  
n-propylbenzene  
Concen: 9.360 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12



Tgt Ion:120 Resp: 88168  
Ion Ratio Lower Upper  
120 100  
91 489.0 387.3 580.9





#65

tert-Butylbenzene

Concen: 9.221 ppbv

RT: 11.533 min Scan# 3535

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

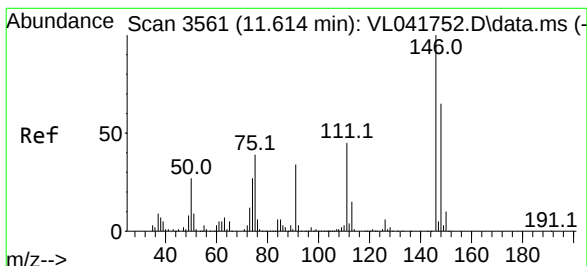
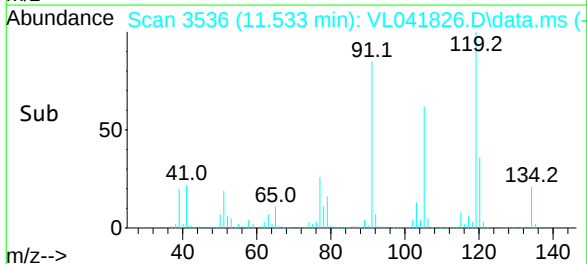
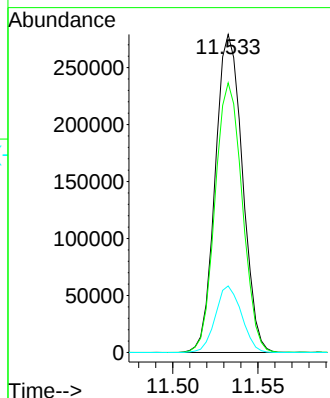
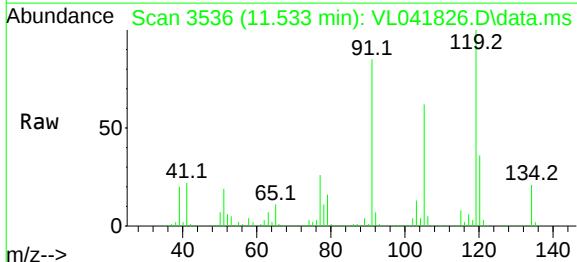
ClientSampleId :

VSTDCCC010EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 119   | Resp: | 309956 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 84.9  | 67.0  | 100.4  |
| 134       | 20.1  | 16.5  | 24.7   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#66

Benzyl Chloride

Concen: 6.872 ppbv m

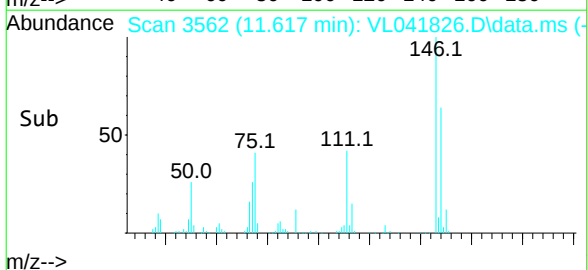
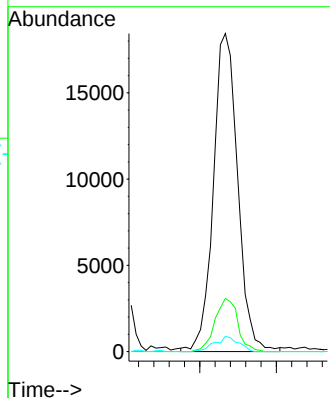
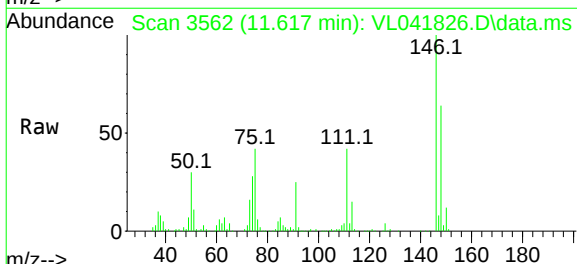
RT: 11.617 min Scan# 3562

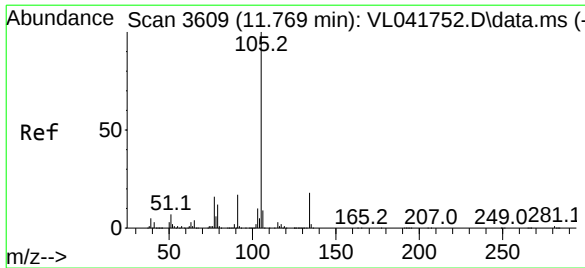
Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 20346 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 126       | 15.7  | 13.9  | 20.9  |
| 128       | 4.8   | 4.4   | 6.6   |





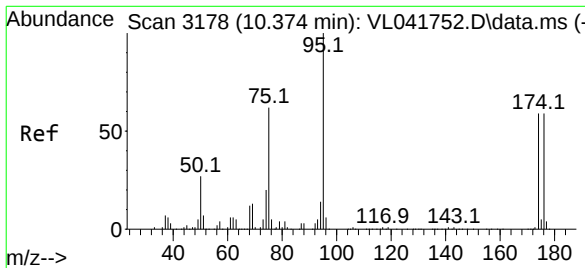
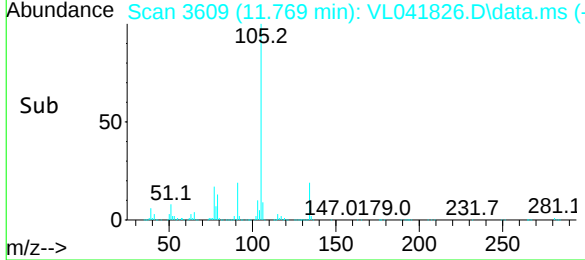
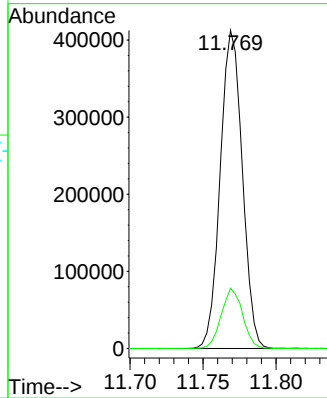
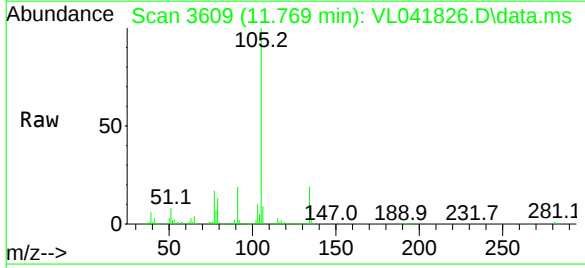
#67  
sec-Butylbenzene  
Concen: 9.318 ppbv  
RT: 11.769 min Scan# 3609  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Instrument : MSVOA\_L  
ClientSampleId : VSTDCCC010EC

Tgt Ion: 105 Resp: 433396  
Ion Ratio Lower Upper  
105 100  
134 18.3 14.5 21.7

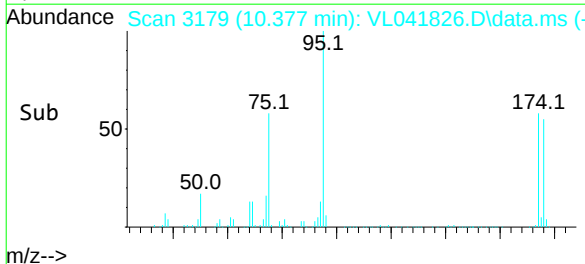
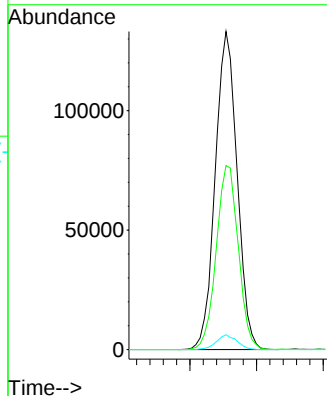
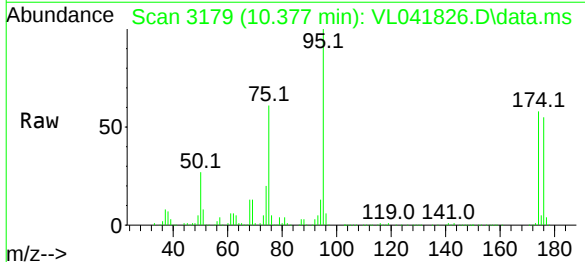
Manual Integrations  
APPROVED

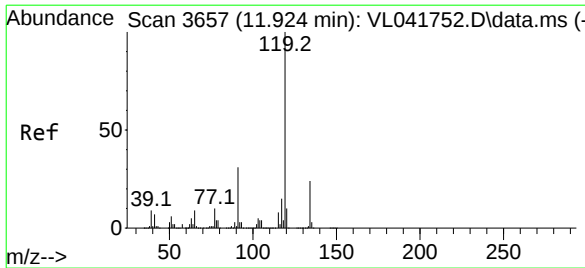
Reviewed By : Semsettin Yesilyurt 12/20/2024  
Supervised By : Mahesh Dadoda 12/20/2024



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.668 ppbv  
RT: 10.377 min Scan# 3179  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

Tgt Ion: 95 Resp: 151852  
Ion Ratio Lower Upper  
95 100  
174 58.4 47.6 71.4  
175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 8.999 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

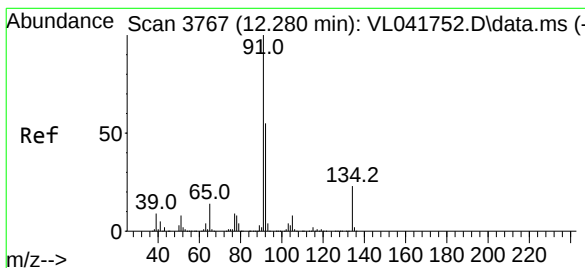
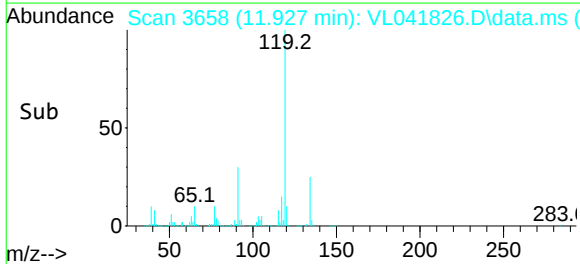
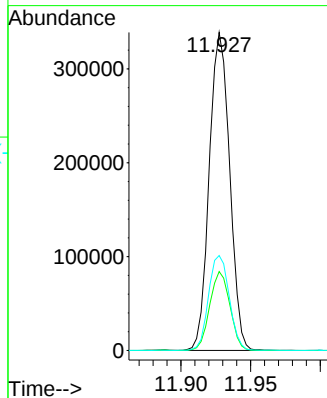
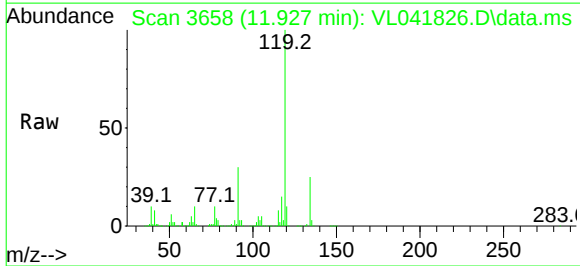
VSTDCCC010EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 119   | Resp: | 344944 |
| Ion      | Ratio | Lower | Upper  |
| 119      | 100   |       |        |
| 134      | 24.6  | 19.6  | 29.4   |
| 91       | 30.6  | 24.4  | 36.6   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#70

n-Butylbenzene

Concen: 8.870 ppbv

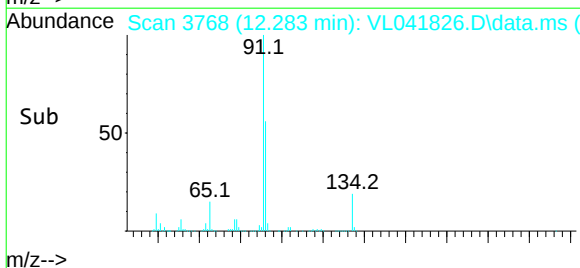
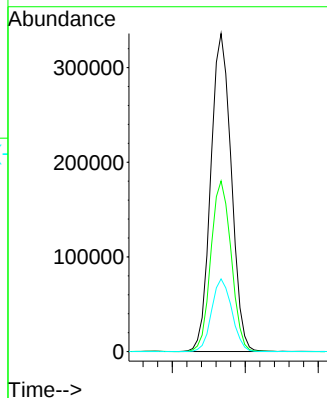
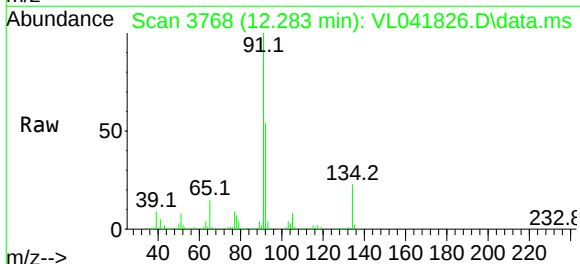
RT: 12.283 min Scan# 3768

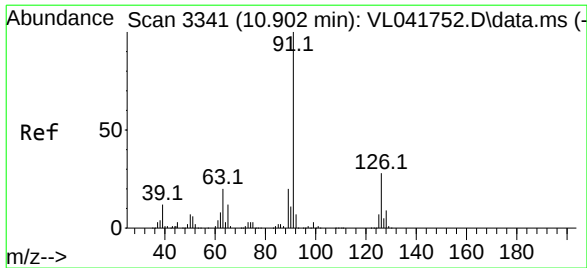
Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

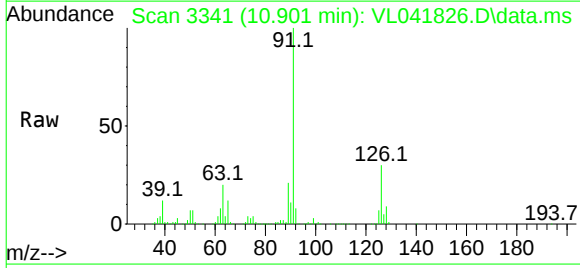
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 328535 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.1  | 43.2  | 64.8   |
| 134      | 22.5  | 18.2  | 27.4   |





#71  
2-Chlorotoluene  
Concen: 8.914 ppbv  
RT: 10.901 min Scan# 3341  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

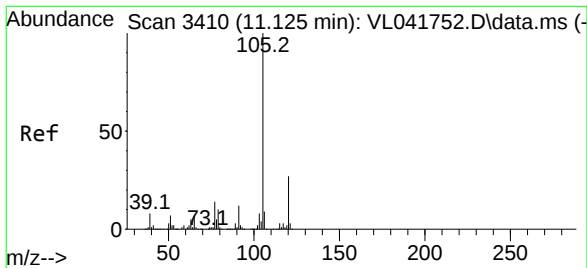
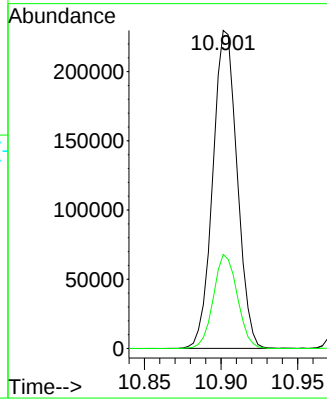
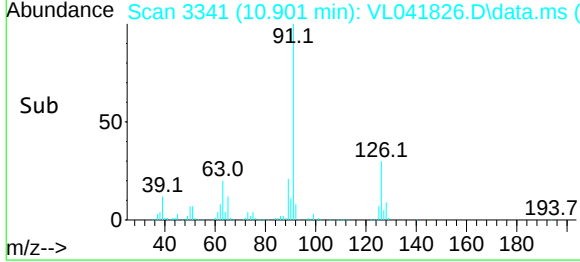
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



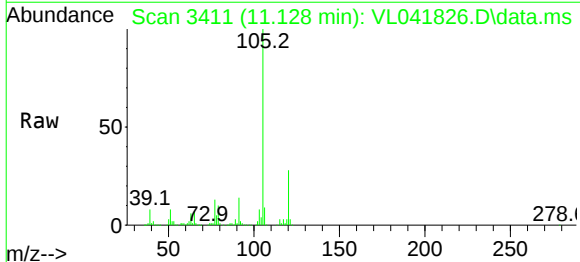
Tgt Ion: 91 Resp: 253504  
Ion Ratio Lower Upper  
91 100  
126 29.0 11.6 46.4

Manual Integrations  
APPROVED

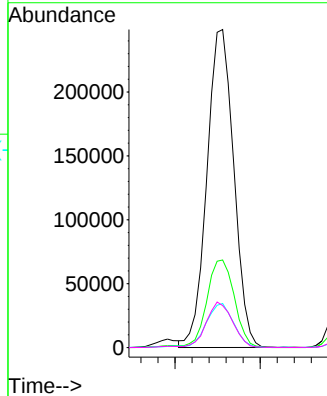
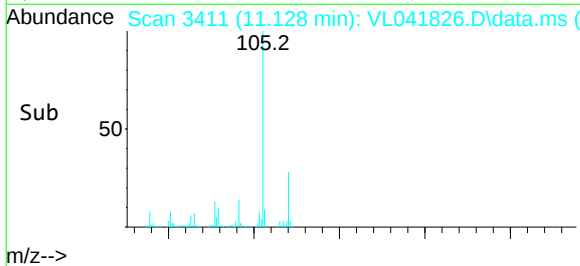
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

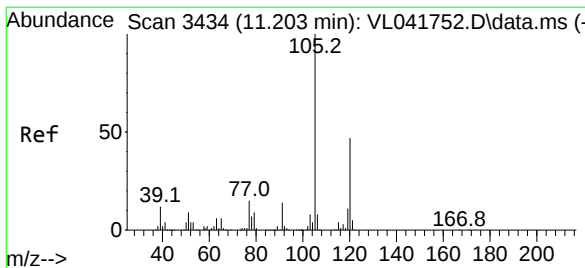


#72  
4-Ethyltoluene  
Concen: 9.309 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.003 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12



Tgt Ion:105 Resp: 272476  
Ion Ratio Lower Upper  
105 100  
120 28.6 23.3 34.9  
91 14.5 10.9 16.3  
77 14.5 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.656 ppbv

RT: 11.206 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 234493

Ion Ratio Lower Upper

105 100

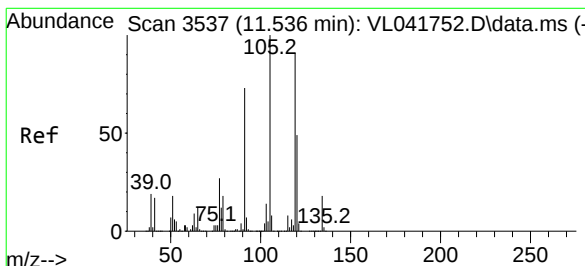
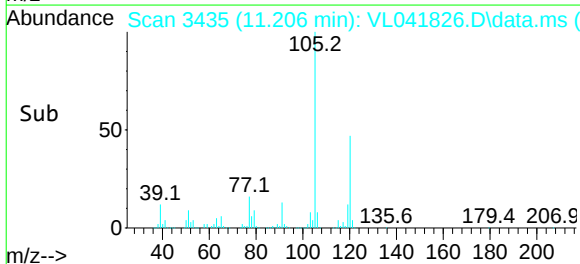
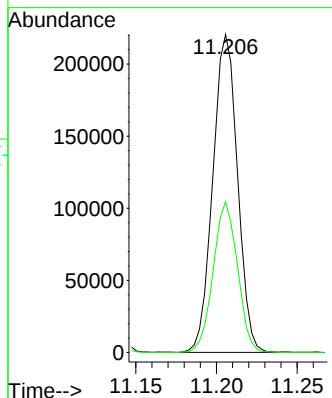
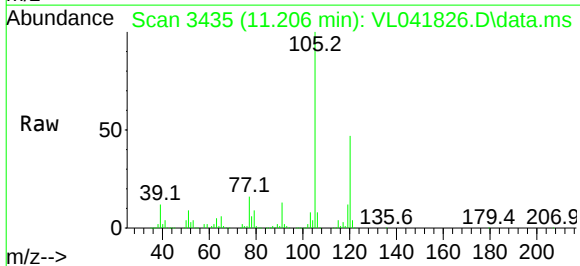
120 47.4 37.4 56.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

1,2,4-Trimethylbenzene

Concen: 9.701 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Tgt Ion:105 Resp: 253321

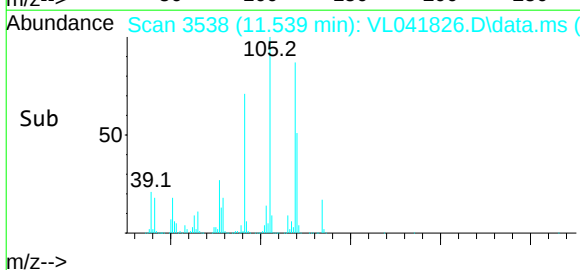
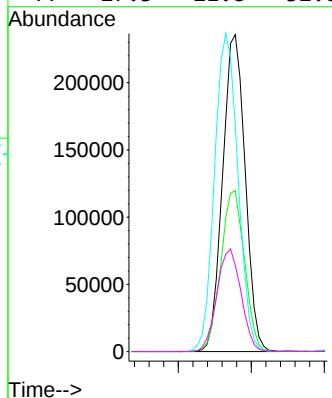
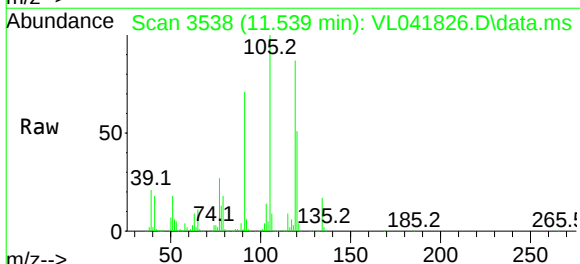
Ion Ratio Lower Upper

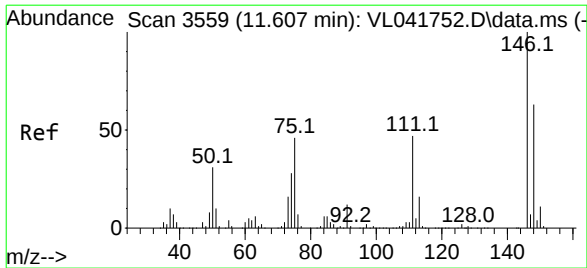
105 100

120 50.8 39.0 58.4

91 71.4 58.1 87.1

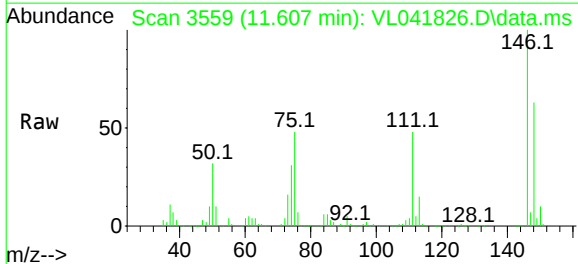
77 27.3 21.8 32.8





#75  
1,3-Dichlorobenzene  
Concen: 8.494 ppbv  
RT: 11.607 min Scan# 3559  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12

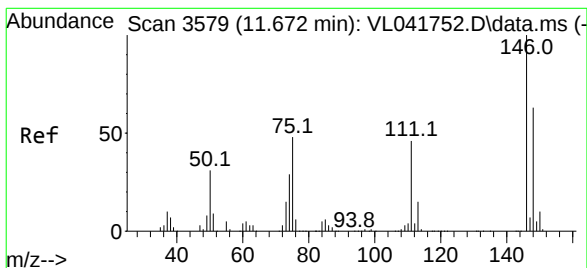
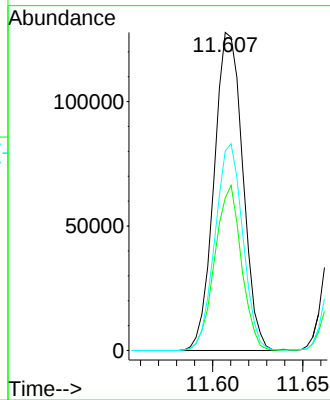
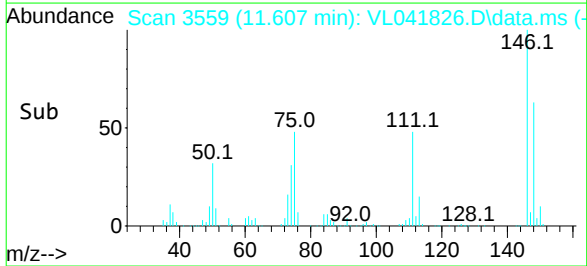
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



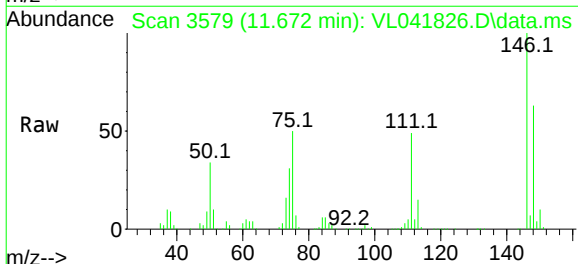
Tgt Ion:146 Resp: 141418  
Ion Ratio Lower Upper  
146 100  
111 48.3 23.4 70.3  
148 62.9 31.6 95.0

Manual Integrations  
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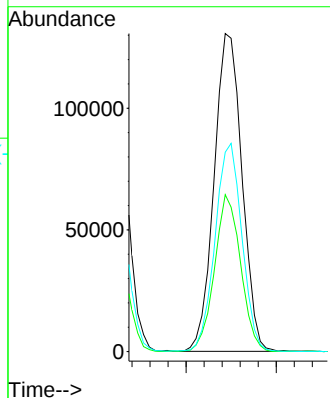
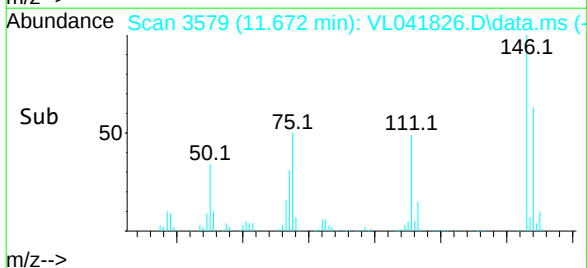
Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024

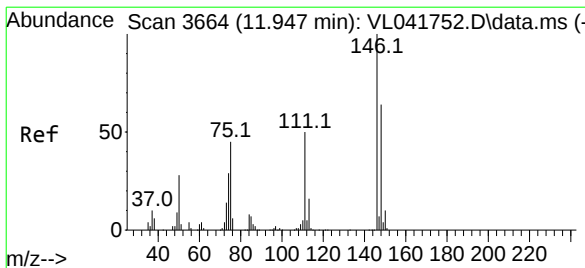


#76  
1,4-Dichlorobenzene  
Concen: 8.526 ppbv  
RT: 11.672 min Scan# 3579  
Delta R.T. -0.000 min  
Lab File: VL041826.D  
Acq: 19 Dec 2024 18:12



Tgt Ion:146 Resp: 140230  
Ion Ratio Lower Upper  
146 100  
111 46.5 22.7 68.1  
148 63.4 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 8.666 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.000 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

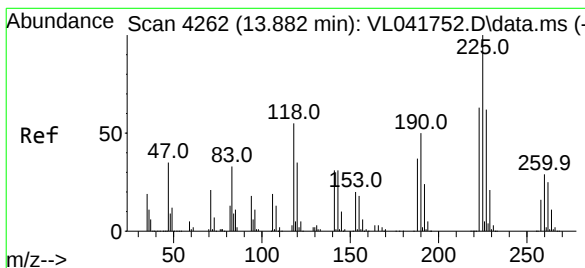
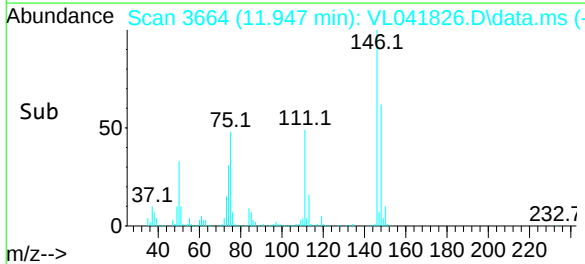
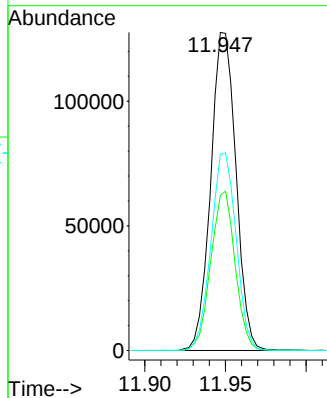
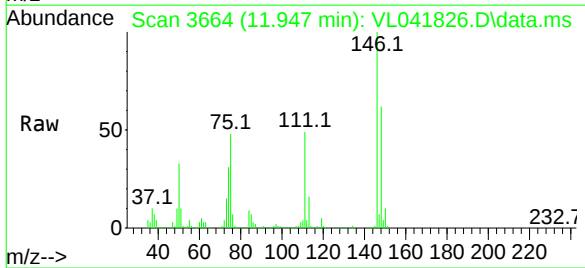
VSTDC0010EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 138822 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 48.4  | 24.8  | 74.3   |
| 148       | 62.1  | 31.8  | 95.4   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#78

Hexachloro-1,3-Butadiene

Concen: 6.679 ppbv

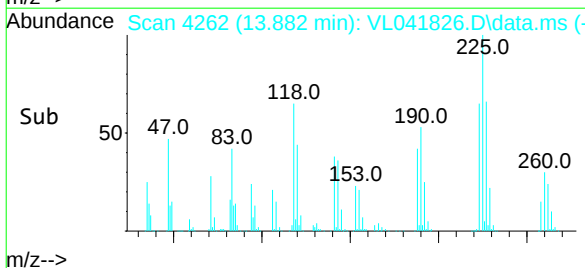
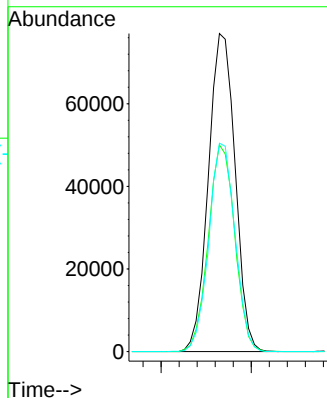
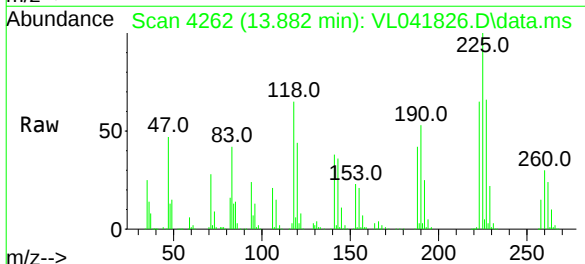
RT: 13.882 min Scan# 4262

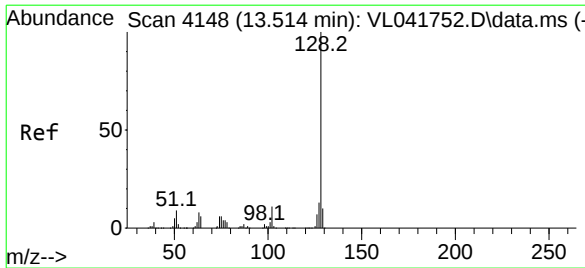
Delta R.T. -0.000 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 79337 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 64.3  | 50.5  | 75.7  |
| 227       | 64.2  | 50.3  | 75.5  |





#79

Naphthalene

Concen: 9.138 ppbv

RT: 13.517 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

Instrument :

MSVOA\_L

ClientSampleId :

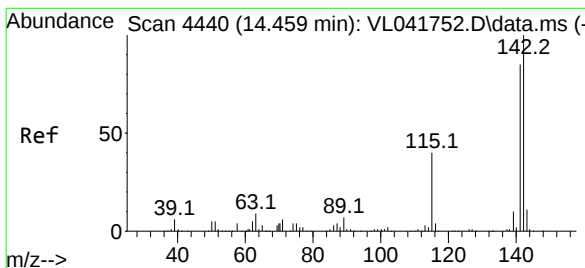
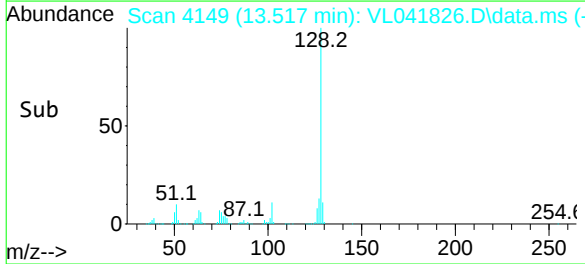
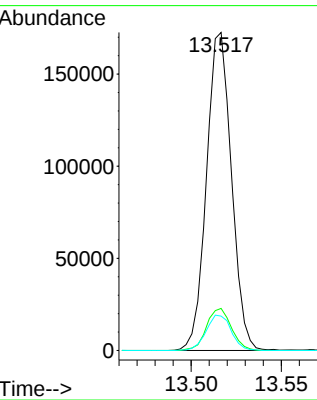
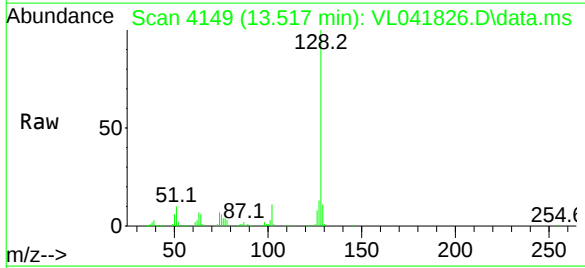
VSTDCCC010EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 166272 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.2  | 10.7  | 16.1   |
| 129       | 10.8  | 8.2   | 12.4   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024  
Supervised By :Mahesh Dadoda 12/20/2024



#80

Naphthalene,2-methyl-

Concen: 9.578 ppbv

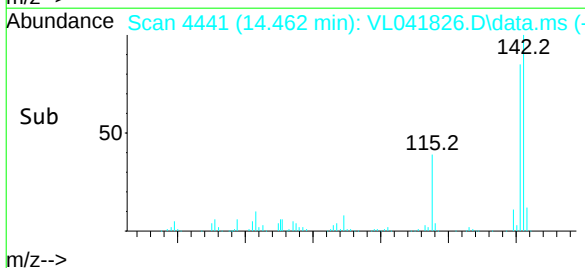
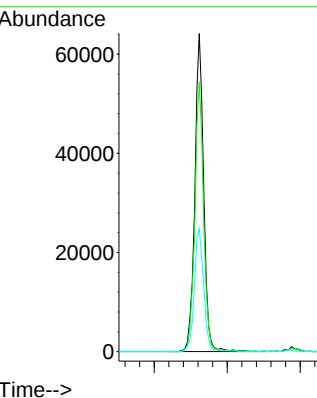
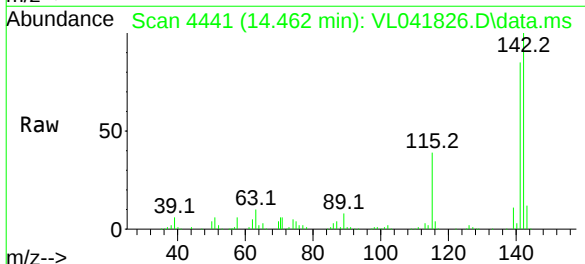
RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

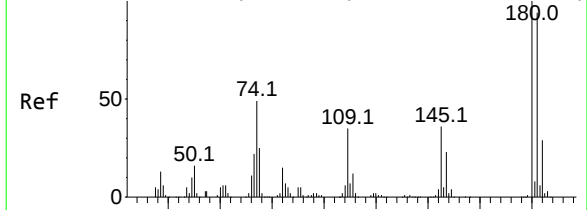
Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 53906 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 83.9  | 68.4  | 102.6 |
| 115       | 41.0  | 32.5  | 48.7  |



Abundance Scan 4125 (13.439 min): VL041752.D\data.ms (-



#81

1,2,4-Trichlorobenzene

Concen: 7.923 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041826.D

Acq: 19 Dec 2024 18:12

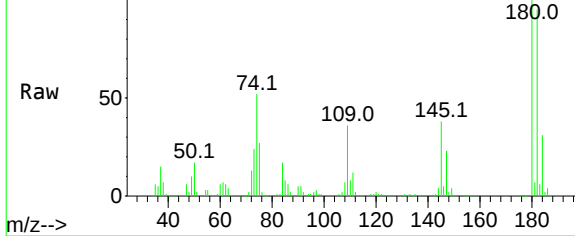
Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Abundance Scan 4126 (13.442 min): VL041826.D\data.ms



Tgt Ion:180 Resp: 78774

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

184 30.7 23.8 35.8

Manual Integrations

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Supervised By :Mahesh Dadoda 12/20/2024

Abundance Scan 4126 (13.442 min): VL041826.D\data.ms (-

