

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\  
 Data File : VL038096.D  
 Acq On : 23 Nov 2021 12:31  
 Operator : SY/AP  
 Sample : VL1123ABS01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VL1123ABS01

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2021  
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 24 07:18:12 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 945651   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 2736421  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 2454548m | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 1955386  | 11.04    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.40% |

## Target Compounds

|                                | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.06 | 85   | 1174534  | 7.519  | ppbv   | 99     |
| 3) Chlorodifluoromethane       | 3.00 | 51   | 1891579  | 9.525  | ppbv   | 99     |
| 4) Chloromethane               | 3.15 | 50   | 629197   | 9.307  | ppbv   | 98     |
| 5) Vinyl Chloride              | 3.27 | 62   | 641786   | 9.677  | ppbv   | 99     |
| 6) Bromomethane                | 3.48 | 94   | 340492   | 9.584  | ppbv   | 100    |
| 7) Chloroethane                | 3.56 | 64   | 205190   | 8.718  | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane   | 3.20 | 85   | 1478821  | 9.517  | ppbv   | 96     |
| 9) Propene                     | 3.02 | 41   | 632210   | 8.644  | ppbv   | 97     |
| 10) Heptane                    | 8.12 | 43   | 1600511  | 8.854  | ppbv   | 100    |
| 11) Trichlorofluoromethane     | 3.96 | 101  | 1433797  | 9.651  | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49 | 101  | 1003296  | 9.547  | ppbv   | 100    |
| 13) Ethanol                    | 3.61 | 45   | 57595m   | 8.149  | ppbv   |        |
| 14) Bromoethene                | 3.75 | 108  | 438960   | 9.328  | ppbv   | 99     |
| 15) Acetone                    | 3.86 | 43   | 715913   | 8.732  | ppbv   | 99     |
| 16) 1,3-Butadiene              | 3.33 | 39   | 605541   | 9.467  | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.29 | 59   | 842575   | 8.472  | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.29 | 96   | 459979   | 9.542  | ppbv   | 94     |
| 19) Isopropyl Alcohol          | 3.97 | 45   | 450718   | 7.608  | ppbv # | 95     |
| 20) Methylene Chloride         | 4.35 | 84   | 400851   | 8.729  | ppbv   | 97     |
| 21) Allyl Chloride             | 4.42 | 41   | 697274   | 9.188  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene   | 4.89 | 96   | 482949   | 9.891  | ppbv   | 96     |
| 23) Vinyl Acetate              | 5.08 | 43   | 1101566  | 9.281  | ppbv   | 98     |
| 24) 1,1-Dichloroethane         | 5.02 | 63   | 957537   | 9.688  | ppbv   | 98     |
| 25) Ethyl Acetate              | 5.68 | 43   | 2448212  | 8.984  | ppbv   | 99     |
| 26) Hexane                     | 5.69 | 57   | 1183172  | 9.008  | ppbv   | 96     |
| 27) Carbon Disulfide           | 4.56 | 76   | 1147355  | 9.752  | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether    | 5.04 | 73   | 1070072  | 9.591  | ppbv   | 99     |
| 29) Chloroform                 | 5.75 | 83   | 1825249  | 9.429  | ppbv   | 98     |
| 30) Cyclohexane                | 7.13 | 84   | 1047744  | 8.787  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene     | 5.55 | 61   | 1185509  | 9.489  | ppbv   | 93     |
| 32) 1,1,1-Trichloroethane      | 6.51 | 97   | 1868420  | 9.511  | ppbv   | 98     |
| 34) 2-Butanone                 | 5.25 | 43   | 831205   | 7.533  | ppbv   | 100    |
| 35) Carbon Tetrachloride       | 7.02 | 117  | 1906267  | 9.915  | ppbv   | 99     |
| 36) Benzene                    | 6.90 | 78   | 2527477  | 9.259  | ppbv   | 99     |
| 37) 1,2-Dichloroethane         | 6.31 | 62   | 1396939  | 10.596 | ppbv   | 98     |
| 38) Trichloroethene            | 7.83 | 130  | 903045   | 8.771  | ppbv   | 97     |
| 39) 1,2-Dichloropropane        | 7.61 | 63   | 994968   | 9.502  | ppbv   | 95     |
| 40) 1,4-Dioxane                | 7.83 | 88   | 247197m  | 9.062  | ppbv   |        |
| 41) Tetrahydrofuran            | 6.05 | 42   | 632828   | 9.239  | ppbv   | 99     |
| 42) Bromodichloromethane       | 7.79 | 83   | 2023032  | 10.094 | ppbv   | 98     |
| 43) Methyl Methacrylate        | 8.02 | 69   | 938205   | 10.047 | ppbv   | 99     |

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 Operator : SY/AP  
 Sample : VL1123ABS01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VL1123ABS01

Manual Integrations  
 APPROVED

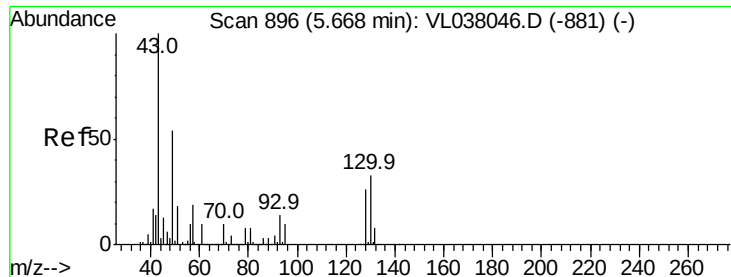
Reviewed By : Semsettin Yesilyurt 11/25/2021  
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 24 07:18:12 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Thu Nov 18 13:16:09 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.87  | 57   | 4120550  | 9.023  | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.28  | 75   | 822425   | 10.979 | ppbv   | 97       |
| 46) cis-1,3-Dichloropropene   | 8.71  | 75   | 1040592  | 10.271 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 9.47  | 97   | 1010170  | 9.212  | ppbv   | 95       |
| 48) Dibromochloromethane      | 10.30 | 129  | 1641518  | 9.829  | ppbv   | 98       |
| 49) Bromoform                 | 13.04 | 173  | 1178191  | 9.861  | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.74  | 43   | 1625750  | 9.702  | ppbv   | 100      |
| 51) 2-Hexanone                | 10.14 | 43   | 754900   | 9.575  | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.22 | 164  | 826280   | 8.181  | ppbv   | 99       |
| 53) Toluene                   | 9.81  | 91   | 2853093  | 9.084  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.61 | 107  | 1455113  | 9.394  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.12 | 131  | 1054258  | 9.461  | ppbv   | 99       |
| 57) Chlorobenzene             | 12.14 | 112  | 1996525  | 9.075  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.71 | 91   | 3705509  | 9.134  | ppbv   | 99       |
| 59) m/p-Xylene                | 13.00 | 91   | 6130653m | 17.952 | ppbv   |          |
| 60) o-Xylene                  | 13.69 | 91   | 2876549  | 9.080  | ppbv   | 97       |
| 61) Styrene                   | 13.52 | 104  | 1552417  | 9.140  | ppbv   | 95       |
| 62) Isopropylbenzene          | 14.66 | 105  | 3947323  | 8.778  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.67 | 83   | 2004283  | 8.517  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.56 | 120  | 1024630  | 8.944  | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.74 | 119  | 3346630  | 8.447  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.99 | 91   | 174507   | 8.691  | ppbv   | 97       |
| 67) sec-Butylbenzene          | 17.29 | 105  | 4718956  | 8.548  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.64 | 119  | 3772271  | 8.735  | ppbv   | 98       |
| 70) n-Butylbenzene            | 18.55 | 91   | 3749972  | 9.082  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.45 | 91   | 2950080  | 8.973  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.83 | 105  | 3357601  | 9.141  | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.99 | 105  | 3031814  | 9.037  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.76 | 105  | 3028284  | 8.760  | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 16.99 | 146  | 1691210  | 8.907  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.13 | 146  | 1636169  | 8.563  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.81 | 146  | 1584286  | 8.617  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 23.37 | 225  | 869307   | 7.573  | ppbv   | 98       |
| 79) Naphthalene               | 22.19 | 128  | 1659917  | 9.117  | ppbv   | 99       |
| 80) Naphthalene, 2-methyl-    | 24.96 | 142  | 346886   | 8.891  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.92 | 180  | 894860   | 8.554  | ppbv   | 97       |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA\_1

Delta R.T. 0.00

Lab File: ClientSampleId: VL1123ABS01

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

49 100

128 51.

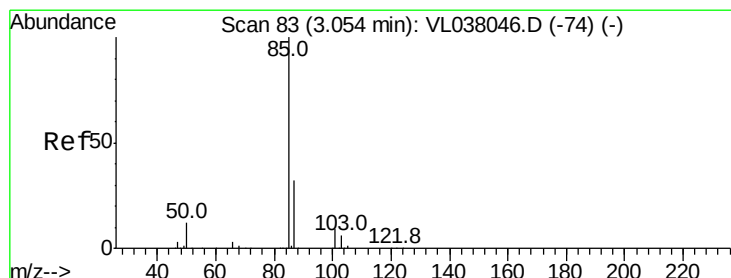
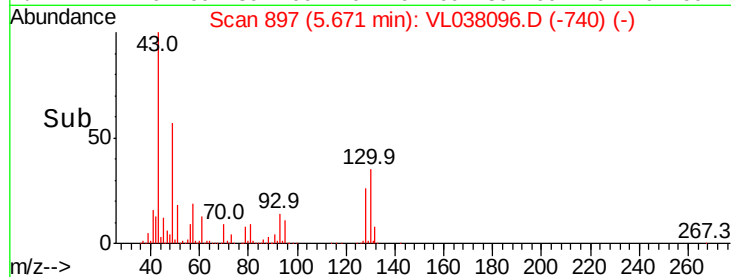
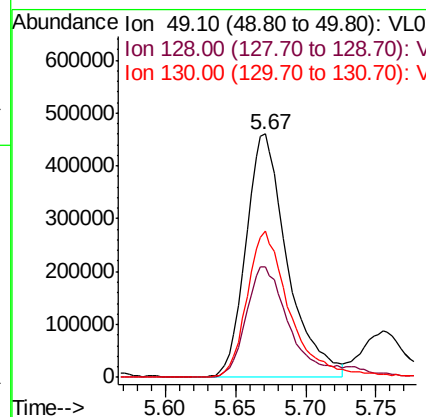
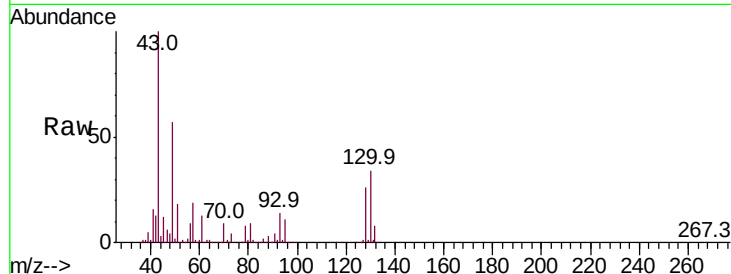
130 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 7.519 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038096.D

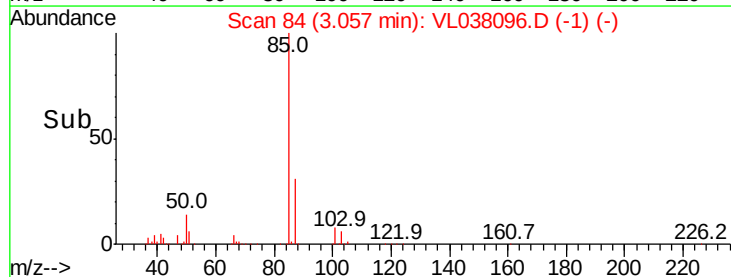
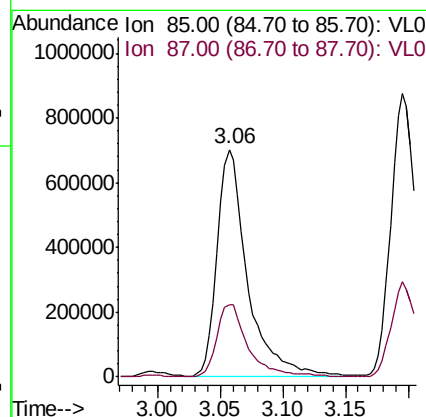
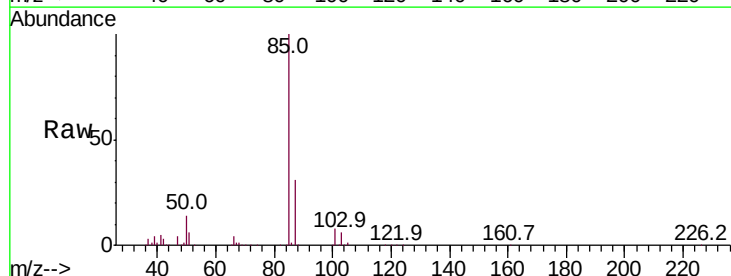
Acq: 23 Nov 2021 12:31

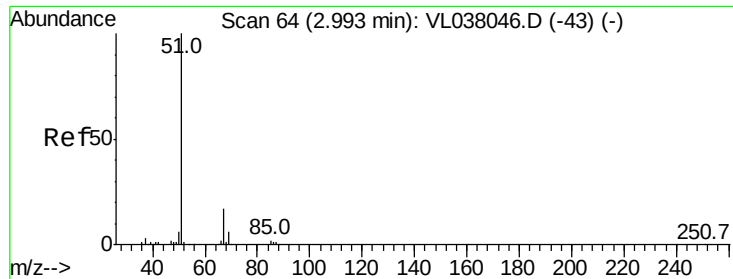
Tgt Ion: 85 Resp: 1174534

Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.6



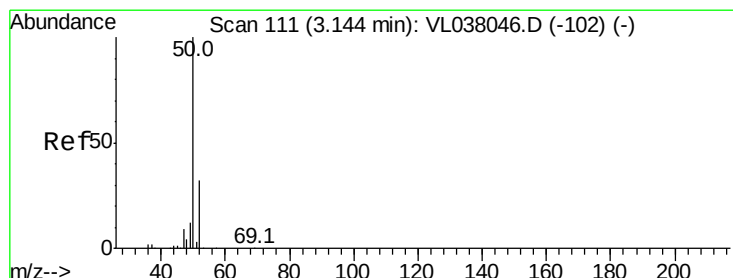
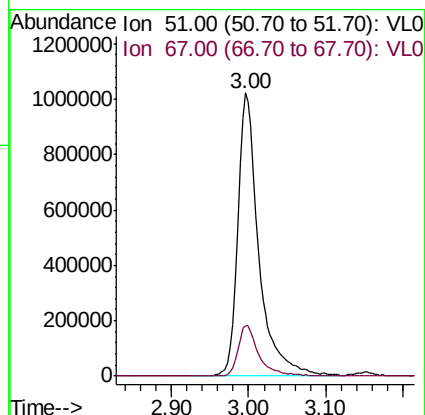
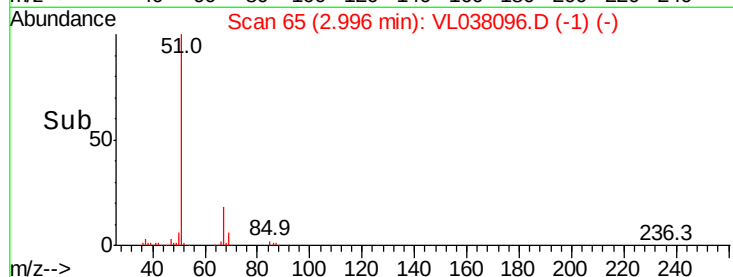
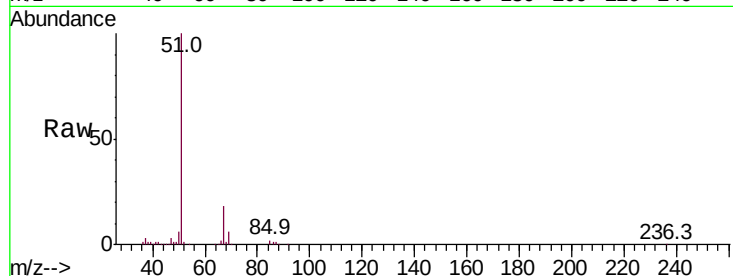


#3  
Chlorodifluoromethane  
Concen: 9.525 ppbv  
RT: 3.00  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
51 100  
67 17.

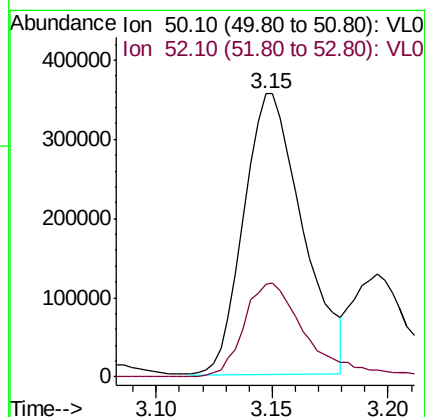
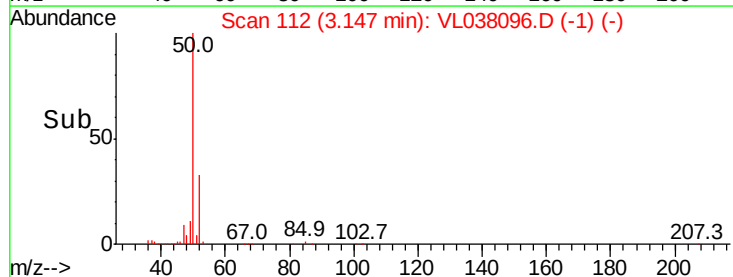
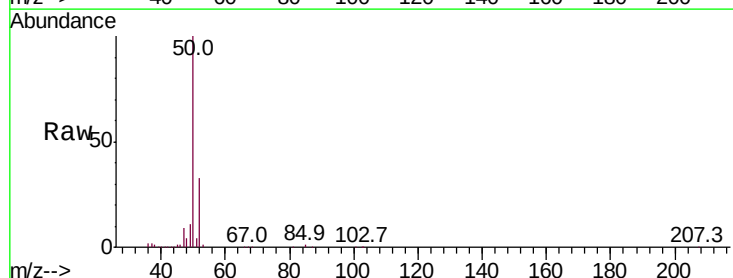
Manual Integrations  
APPROVED

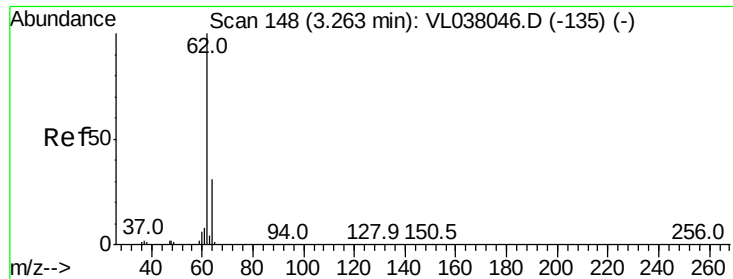
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#4  
Chloromethane  
Concen: 9.307 ppbv  
RT: 3.15 min Scan# 112  
Delta R.T. 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 50 Resp: 629197  
Ion Ratio Lower Upper  
50 100  
52 33.0 25.4 38.0





#5

Vinyl Chloride

Concen: 9.677 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 12:31 VL1123ABS01

Tot Ion:

Ion Ratio

62 100

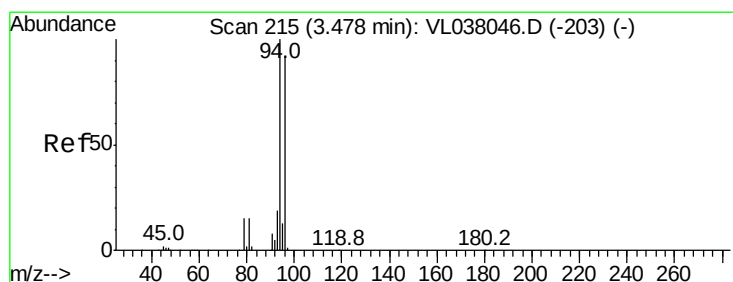
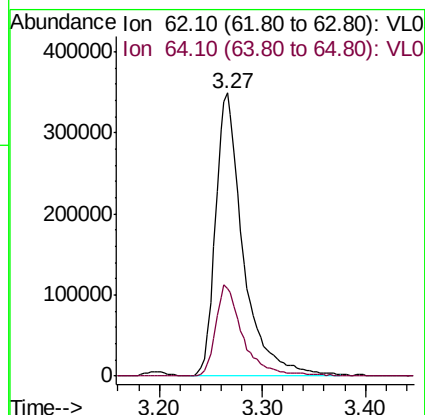
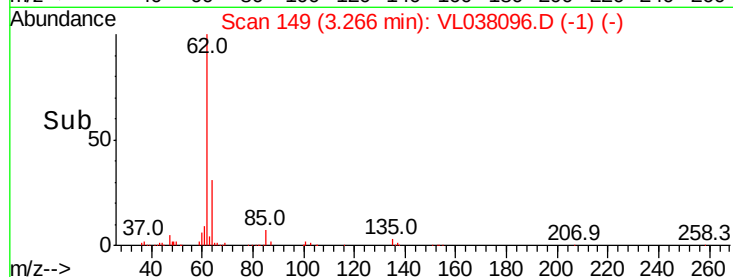
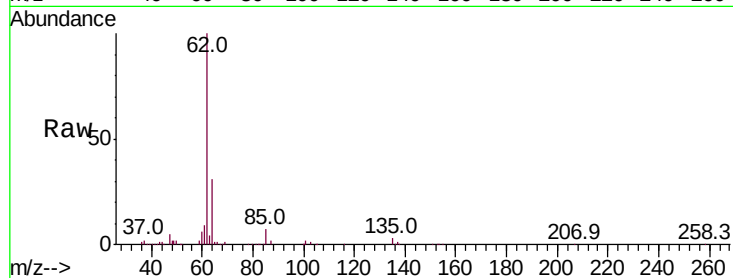
64 31.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#6

Bromomethane

Concen: 9.584 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038096.D

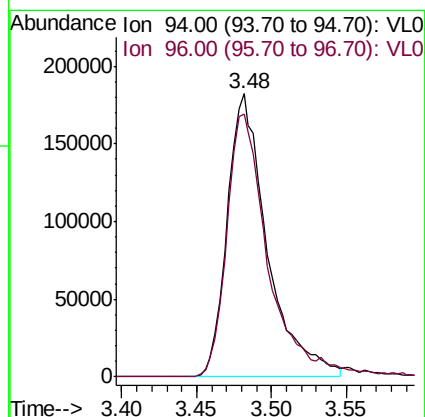
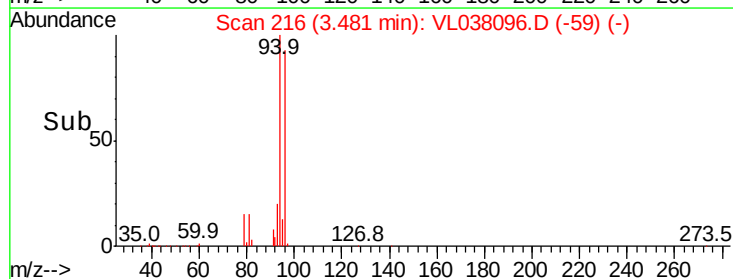
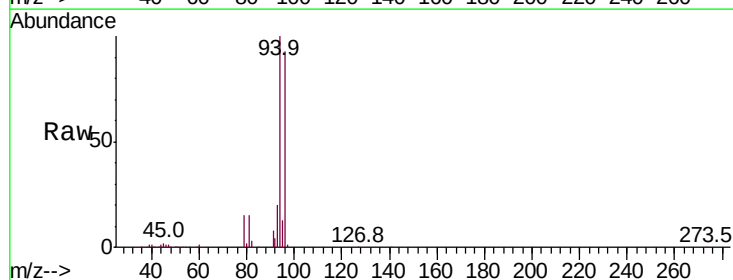
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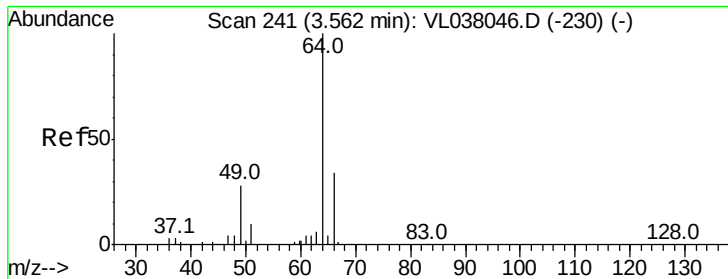
Tgt Ion: 94 Resp: 340492

Ion Ratio Lower Upper

94 100

96 92.7 73.9 110.9





#7

Chloroethane

Concen: 8.718 ppbv

RT: 3.56

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

64 100

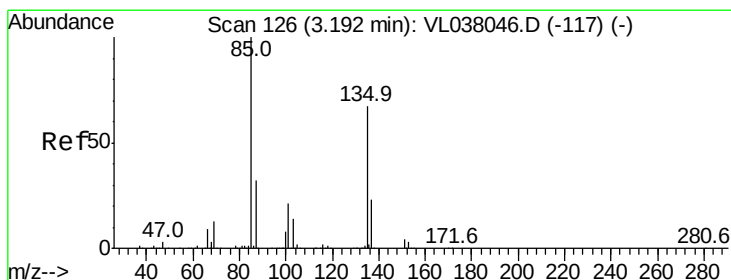
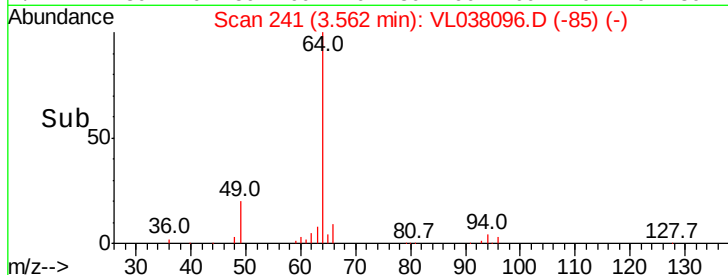
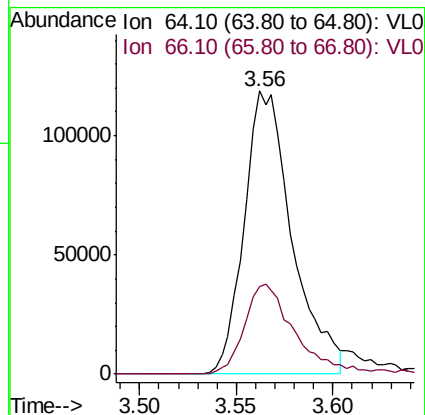
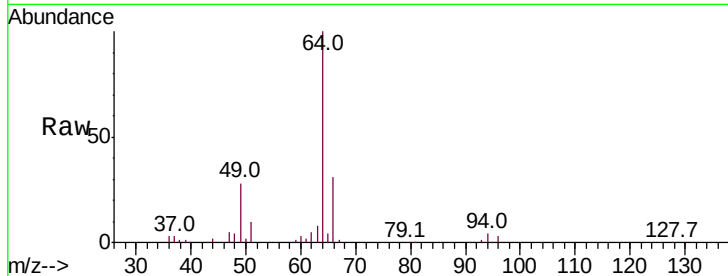
66 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#8

Dichlorotetrafluoroethane

Concen: 9.517 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL038096.D

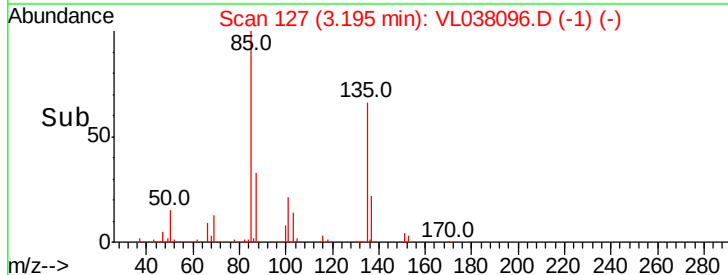
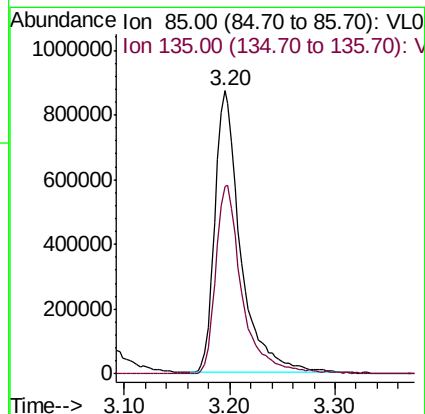
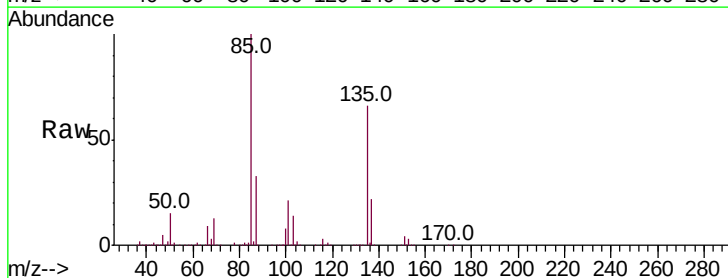
Acq: 23 Nov 2021 12:31

Tgt Ion: 85 Resp: 1478821

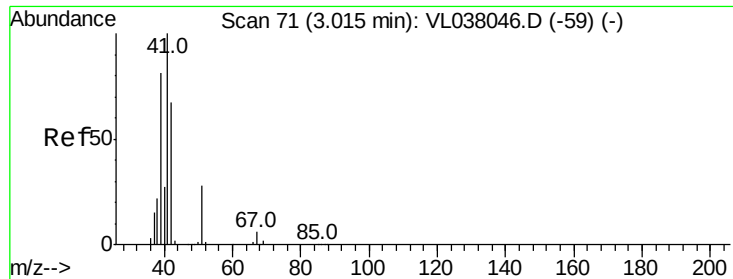
Ion Ratio Lower Upper

85 100

135 69.2 57.9 86.9







#9

Propene

Concen: 8.644 ppbv

RT: 3.02

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

VL1123ABS01

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

41 100

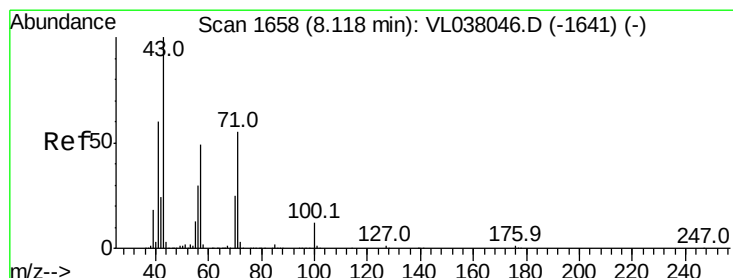
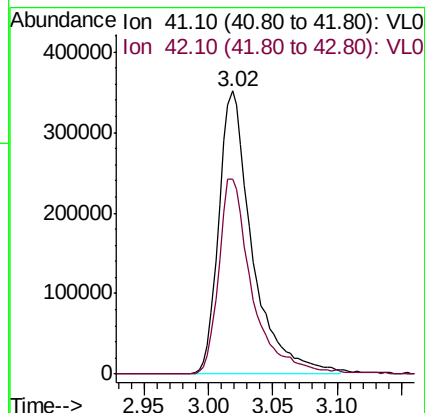
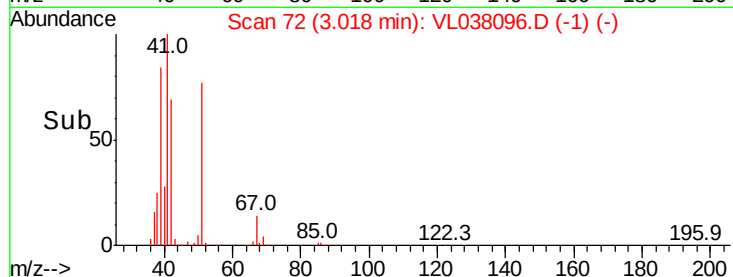
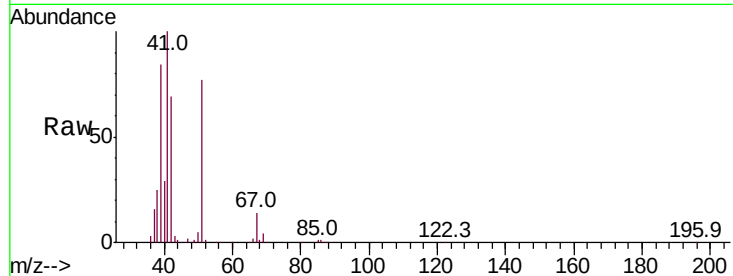
42 69.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 8.854 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038096.D

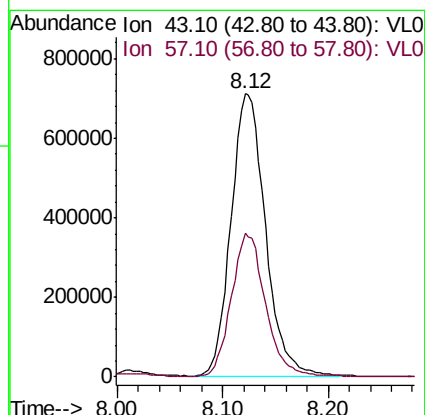
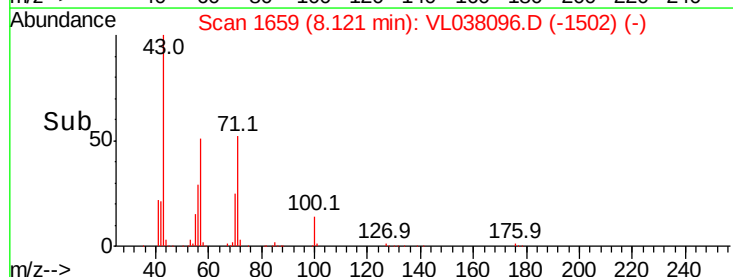
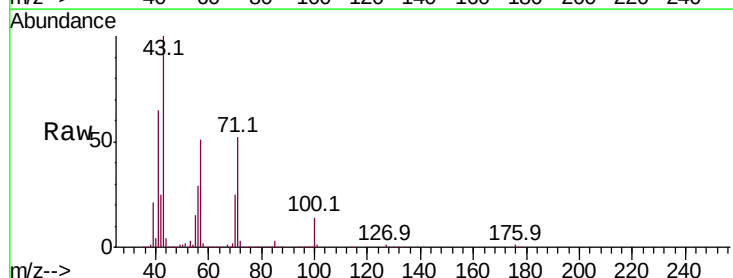
Acq: 23 Nov 2021 12:31

Tgt Ion: 43 Resp: 1600511

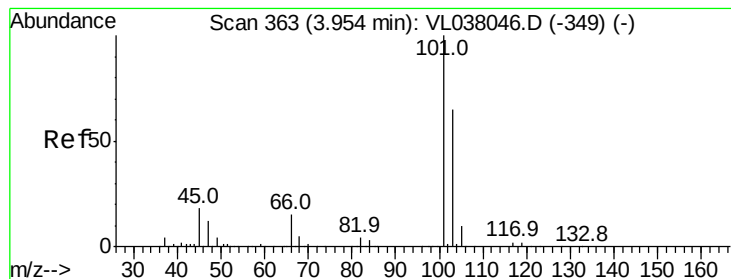
Ion Ratio Lower Upper

43 100

57 50.2 40.4 60.6







#11

Trichlorofluoromethane

Concen: 9.651 ppbv

RT: 3.96

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 12:31

Tot Ion:1

Ion Ratio

101 100

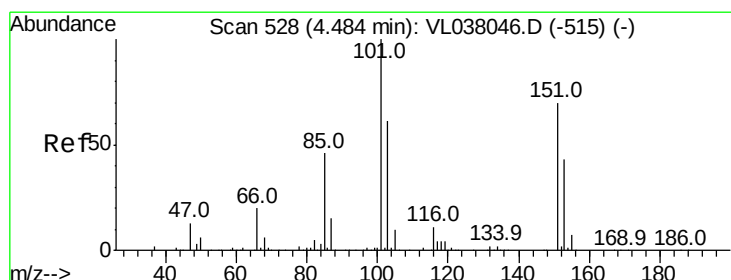
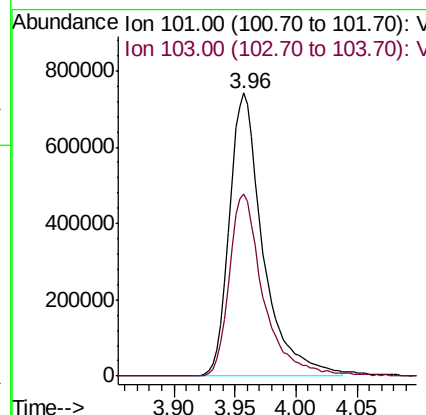
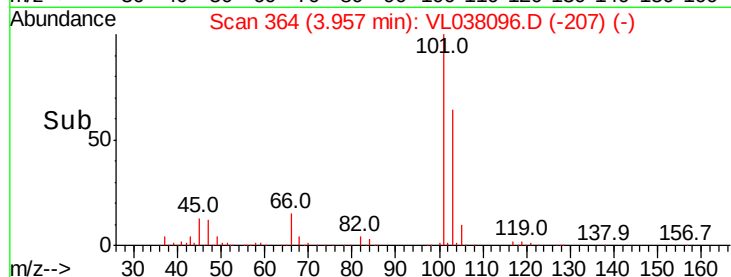
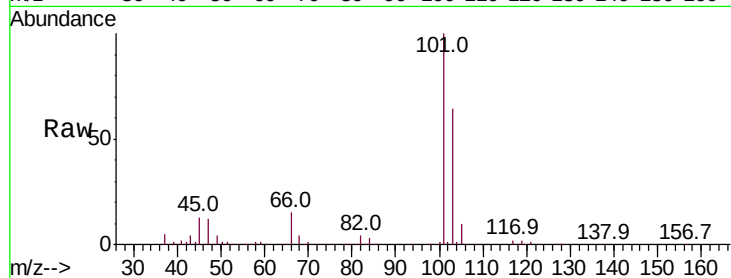
103 64.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.547 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL038096.D

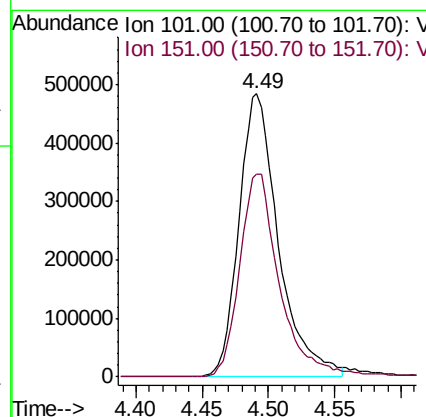
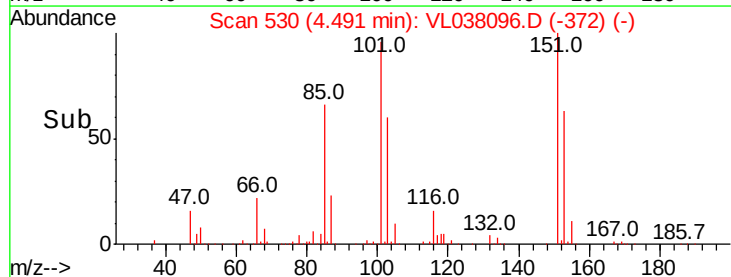
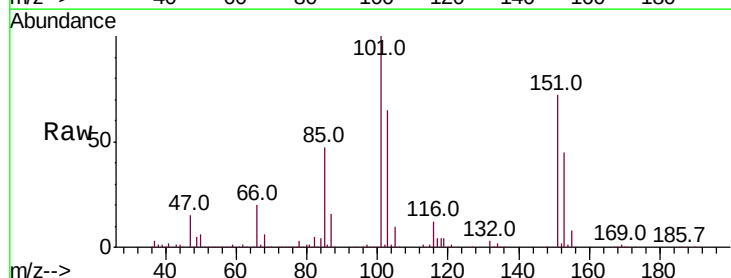
Acq: 23 Nov 2021 12:31

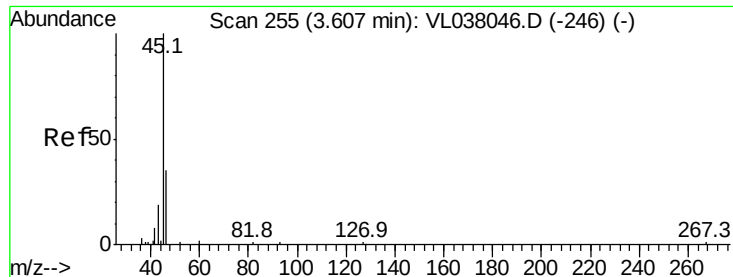
Tgt Ion:101 Resp: 1003296

Ion Ratio Lower Upper

101 100

151 73.3 59.0 88.4



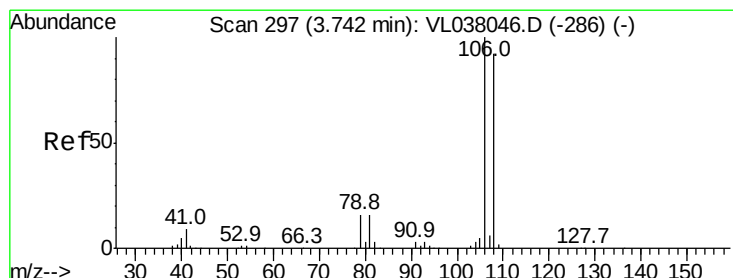
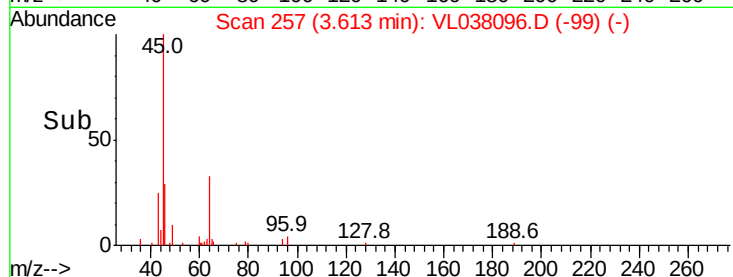
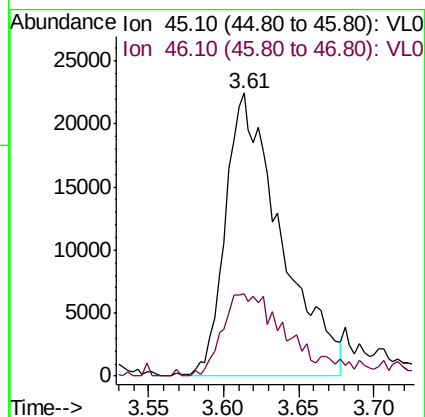
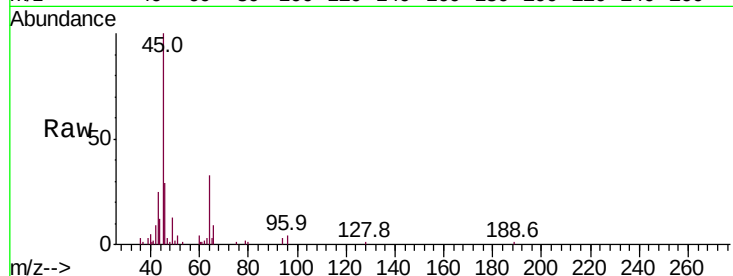


#13  
Ethanol  
Concen: 8.149 ppbv m  
RT: 3.61  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
45 100  
46 34.

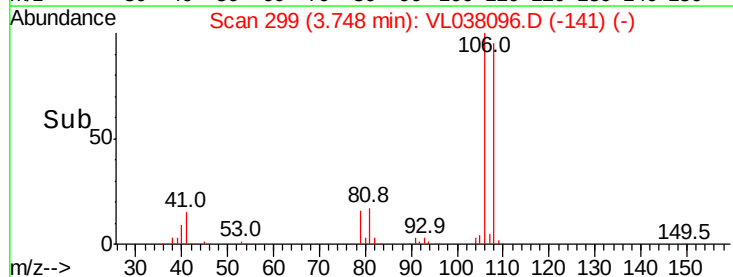
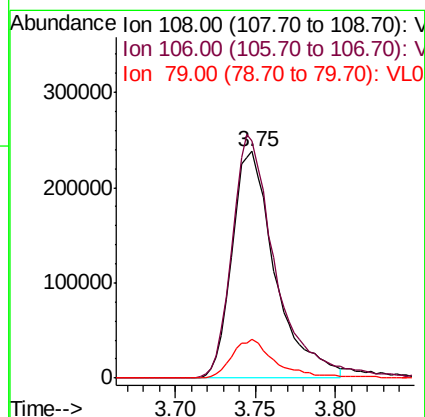
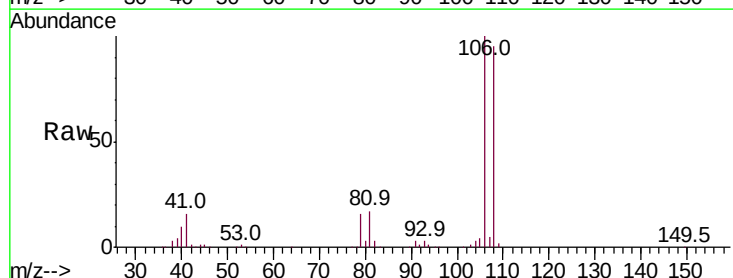
Manual Integrations  
APPROVED

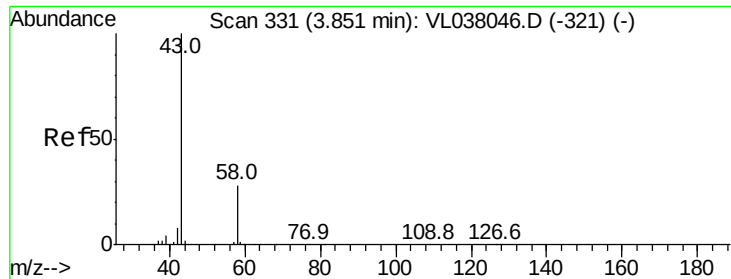
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#14  
Bromoethene  
Concen: 9.328 ppbv  
RT: 3.75 min Scan# 299  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion:108 Resp: 438960  
Ion Ratio Lower Upper  
108 100  
106 110.0 89.4 134.0  
79 17.9 14.1 21.1





#15

Acetone

Concen: 8.732 ppbv

RT: 3.86

Delta R.T.

Lab File:

Acq: 23 Nov 2021 12:31

Instrument :

MSVOA\_1

ClientSampleId :

VL1123ABS01

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

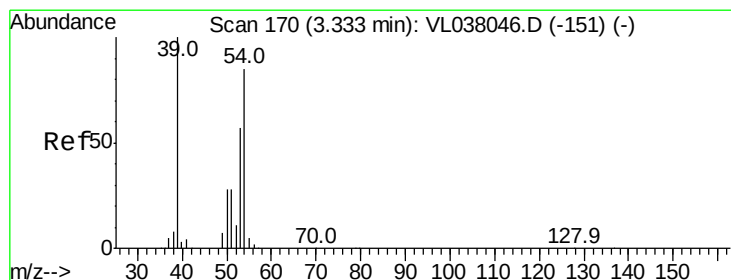
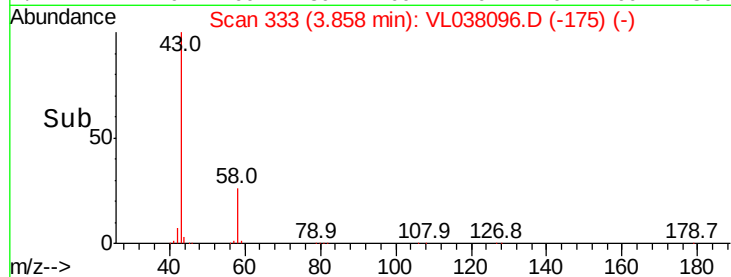
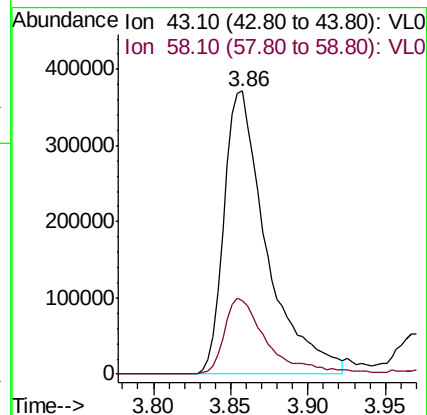
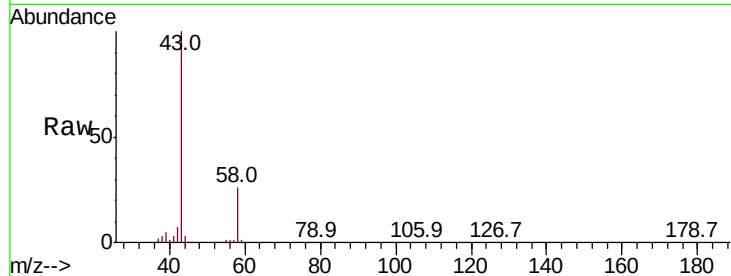
Supervised By :Mahesh Dadoda 11/29/2021

Tot Ion:

Ion Ratio

43 100

58 27.



#16

1,3-Butadiene

Concen: 9.467 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038096.D

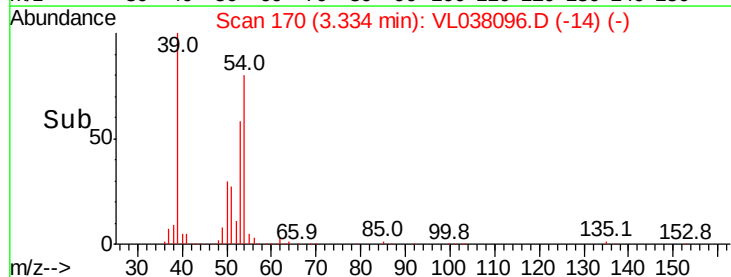
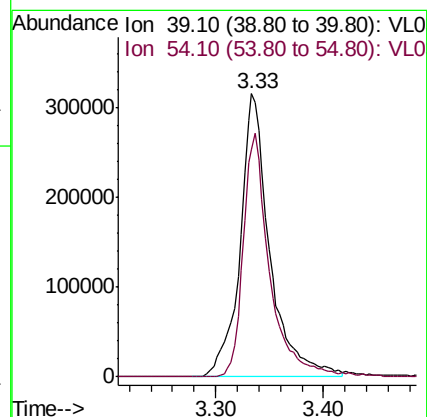
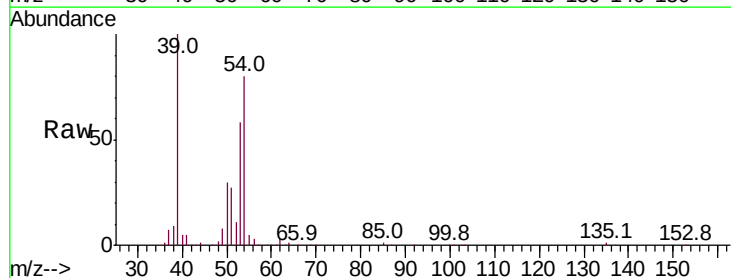
Acq: 23 Nov 2021 12:31

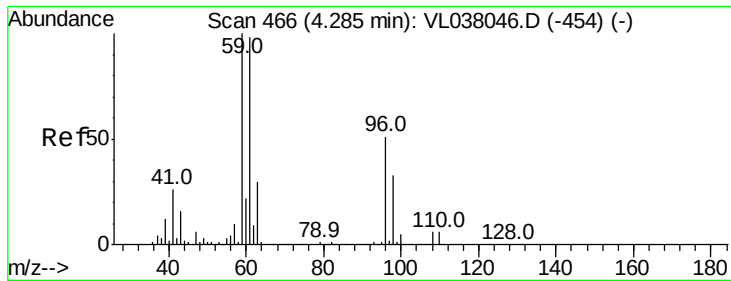
Tgt Ion: 39 Resp: 605541

Ion Ratio Lower Upper

39 100

54 77.5 64.4 96.6





#17

tert-Butyl alcohol

Concen: 8.472 ppbv

RT: 4.29

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

59 100

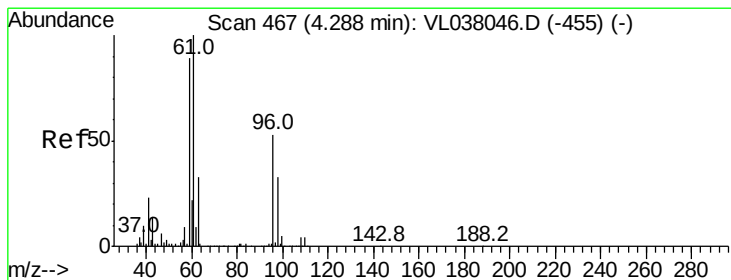
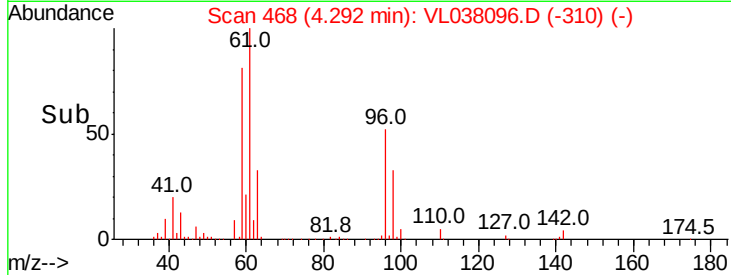
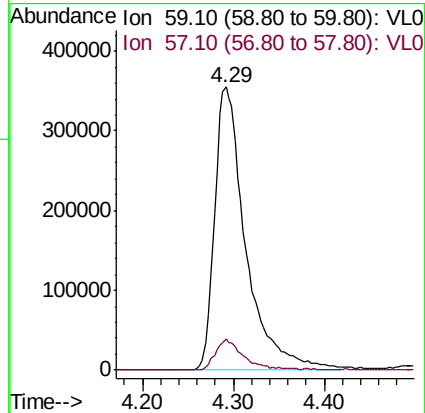
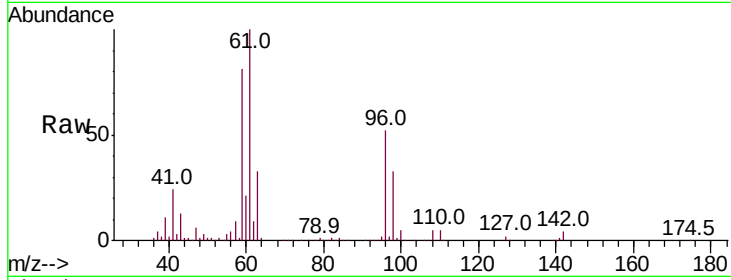
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#18

1,1-Dichloroethene

Concen: 9.542 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

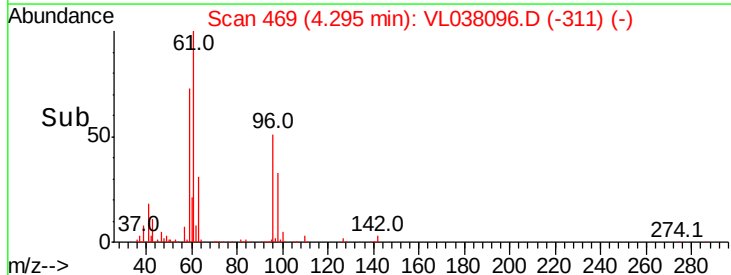
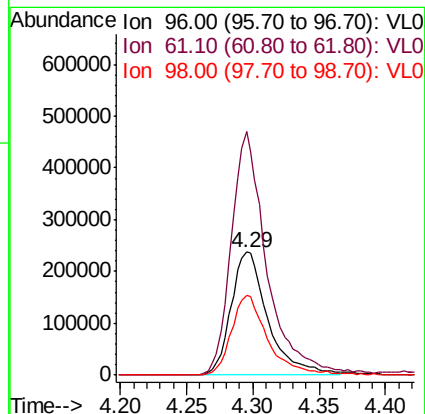
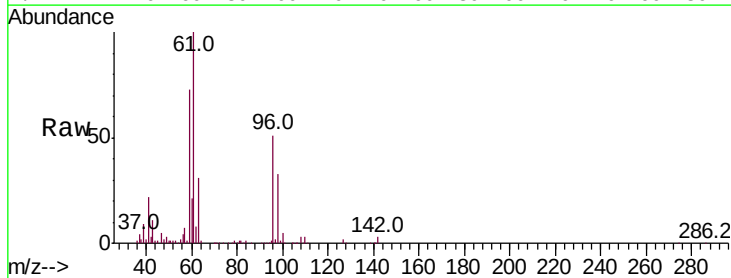
Tgt Ion: 96 Resp: 459979

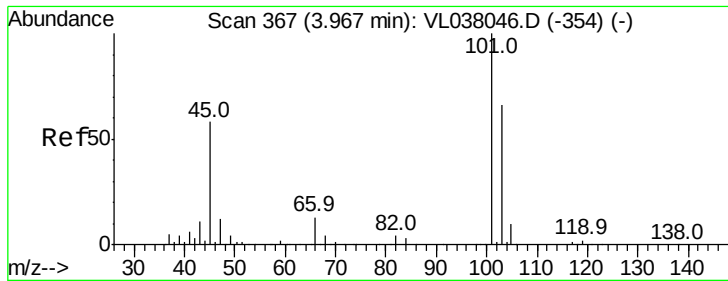
Ion Ratio Lower Upper

96 100

61 197.8 149.8 224.8

98 64.6 50.2 75.2



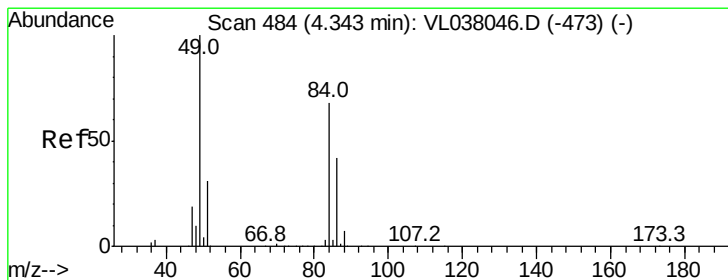
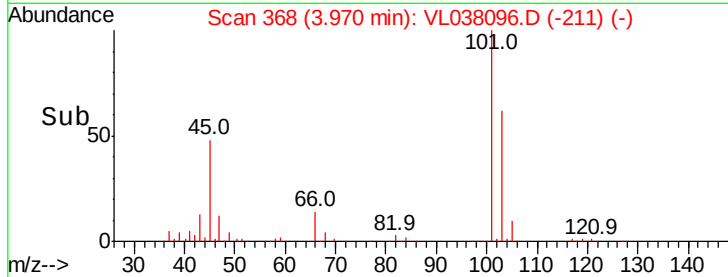
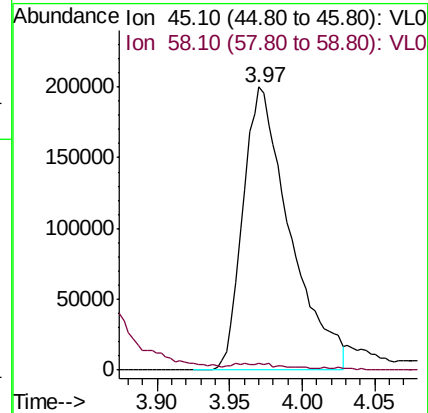
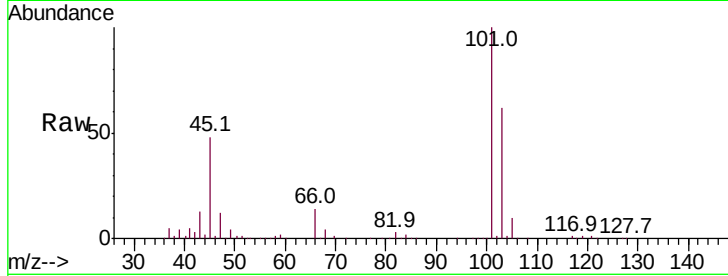


#19  
Isopropyl Alcohol  
Concen: 7.608 ppbv  
RT: 3.97  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
45 100  
58 3.

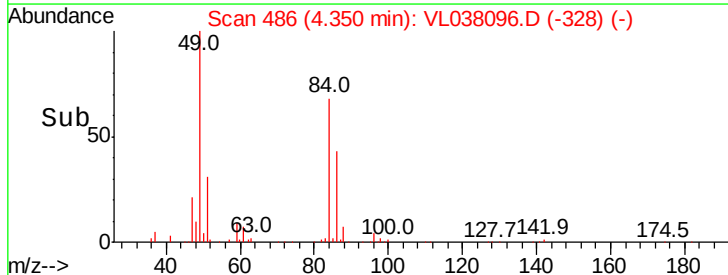
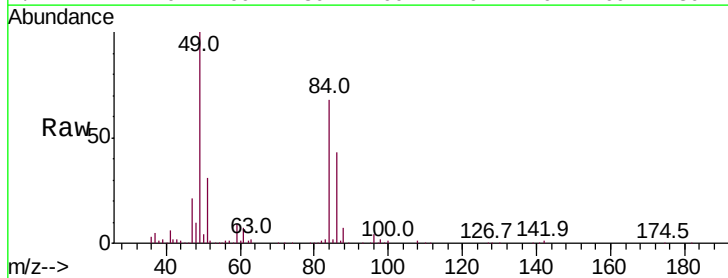
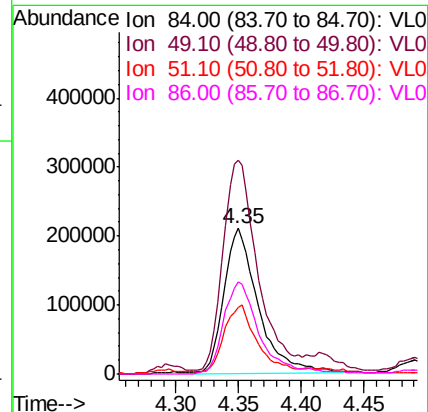
Manual Integrations  
APPROVED

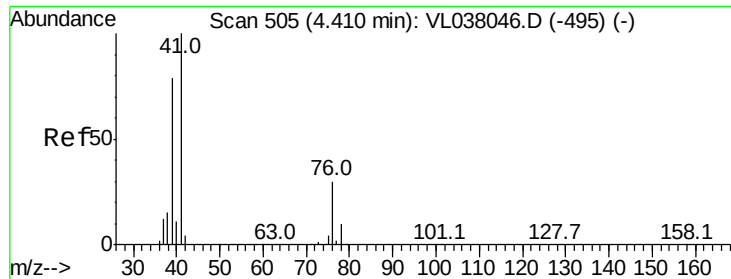
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#20  
Methylene Chloride  
Concen: 8.729 ppbv  
RT: 4.35 min Scan# 486  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 84 Resp: 400851  
Ion Ratio Lower Upper  
84 100  
49 144.4 118.2 177.2  
51 43.8 36.8 55.2  
86 63.6 49.0 73.6



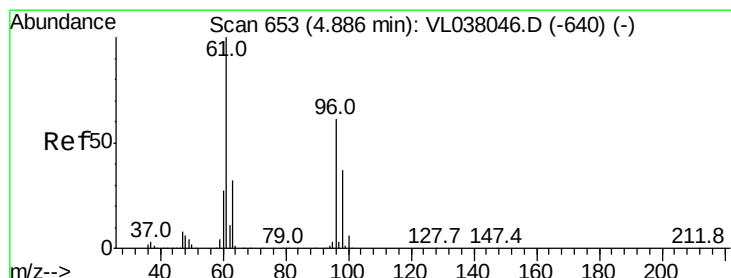
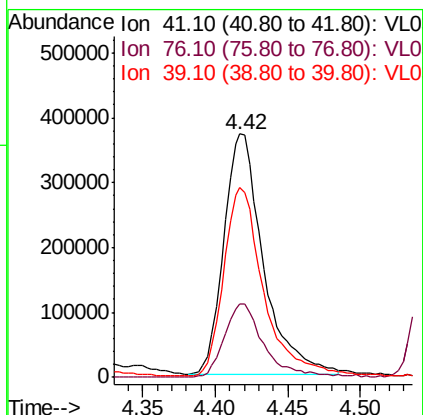
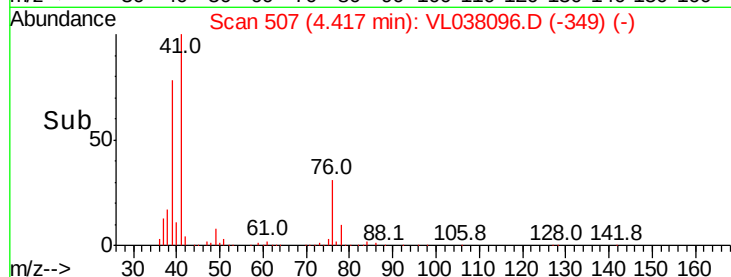
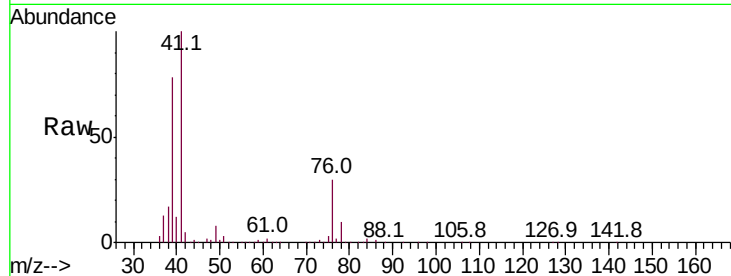


#21  
Allvl Chloride  
Concen: 9.188 ppbv  
RT: 4.42  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
41 100  
76 31.  
39 80.

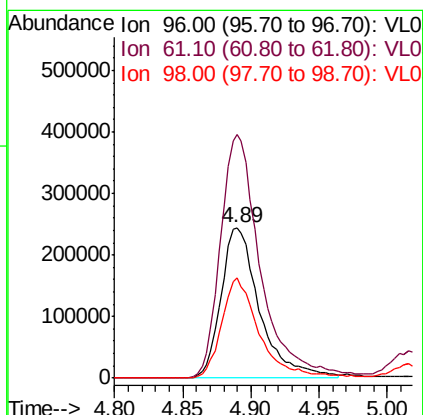
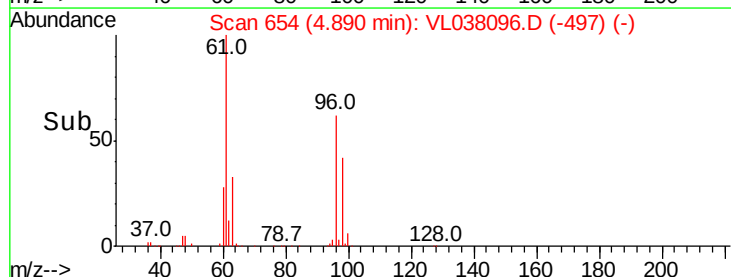
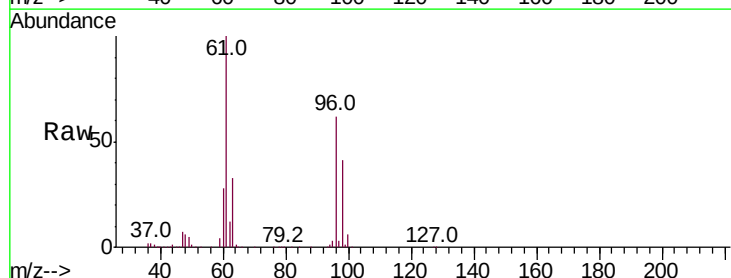
Manual Integrations  
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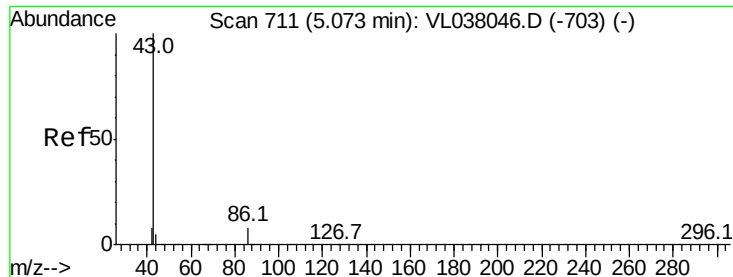
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#22  
trans-1,2-Dichloroethene  
Concen: 9.891 ppbv  
RT: 4.89 min Scan# 654  
Delta R.T. 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 96 Resp: 482949  
Ion Ratio Lower Upper  
96 100  
61 161.3 131.6 197.4  
98 66.8 48.4 72.6





#23

Vinyl Acetate

Concen: 9.281 ppbv

RT: 5.08

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

43 100

86 7.

42 10.

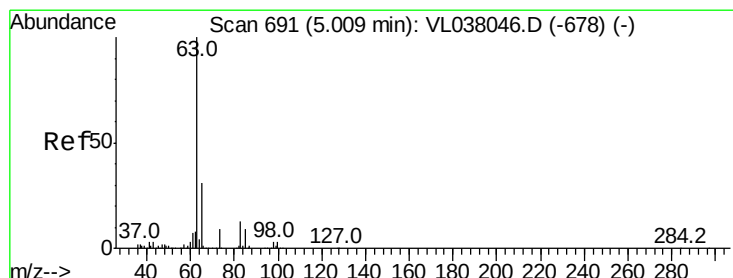
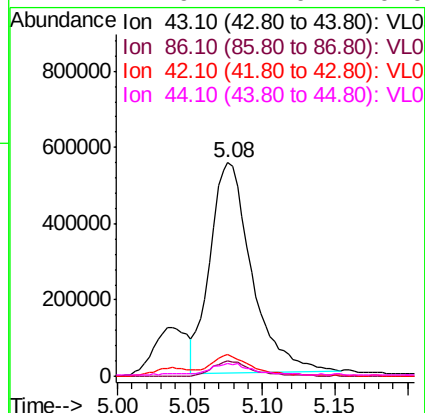
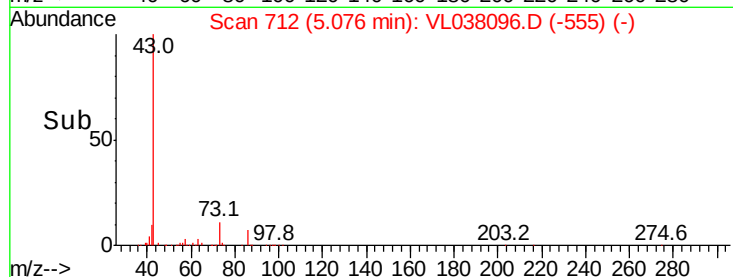
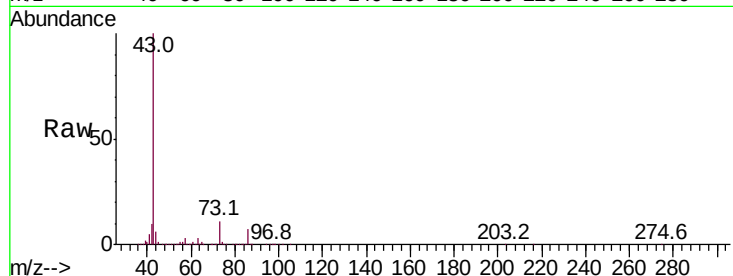
44 4.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#24

1,1-Dichloroethane

Concen: 9.688 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

Tgt Ion: 63 Resp: 957537

Ion Ratio Lower Upper

63 100

98 4.4

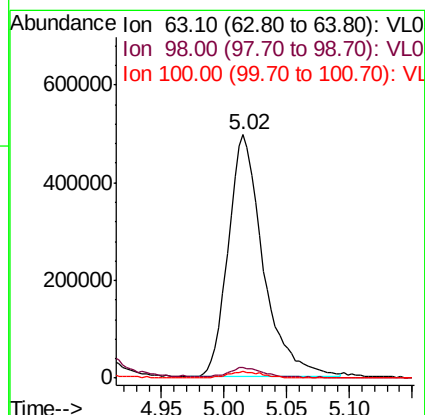
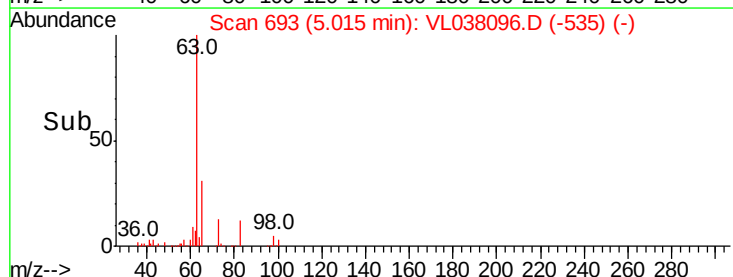
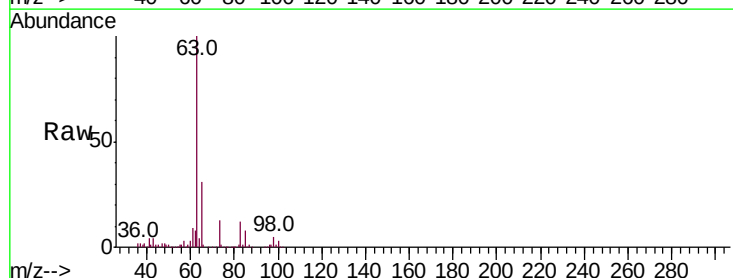
100 3.0

1.8

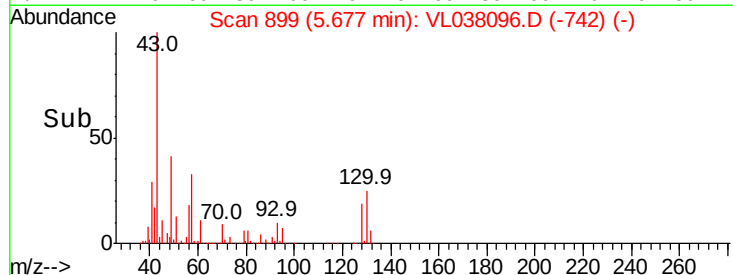
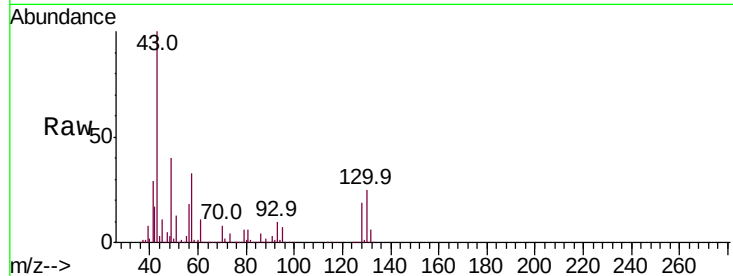
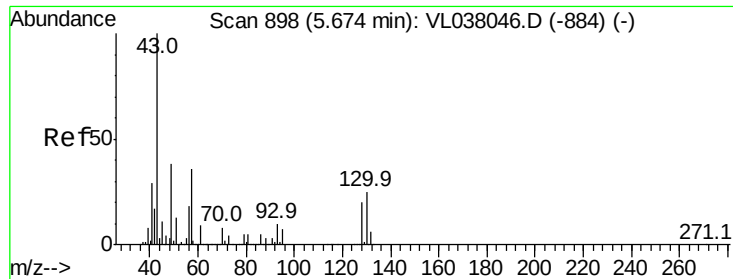
5.4

1.4

4.0





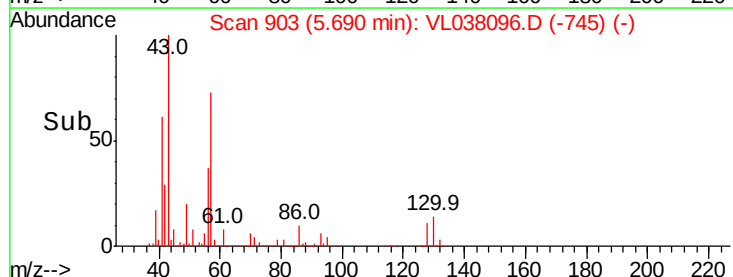
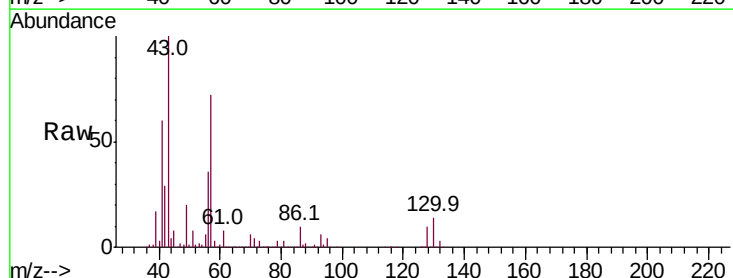
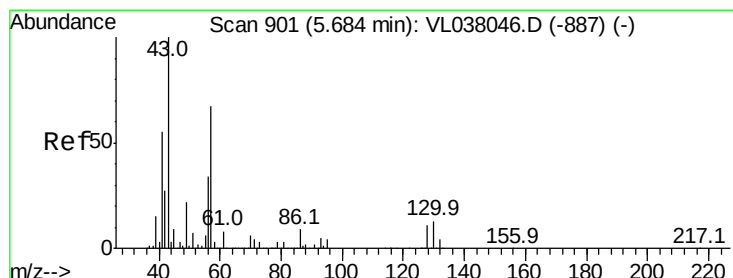
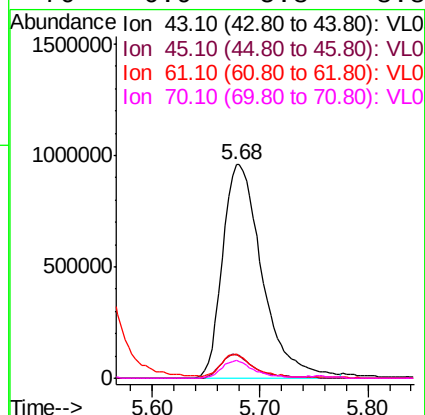


#25  
Ethyl Acetate  
Concen: 8.984 ppbv  
RT: 5.68  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
43 100  
45 9.  
61 9.  
70 6.9 5.8 8.8

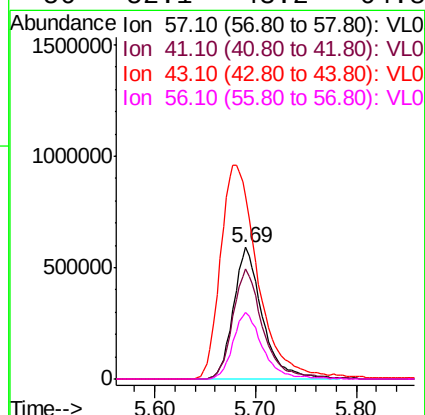
Manual Integrations  
APPROVED

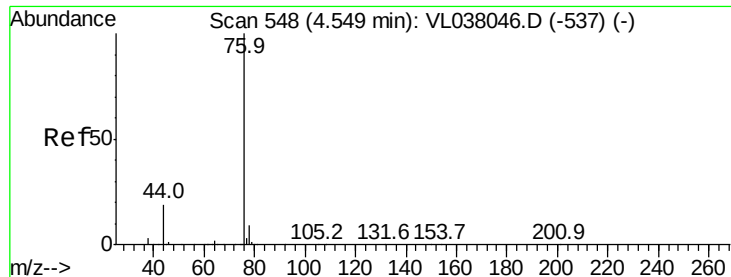
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#26  
Hexane  
Concen: 9.008 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T.: 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 57 Resp: 1183172  
Ion Ratio Lower Upper  
57 100  
41 87.3 71.4 107.2  
43 209.8 174.6 261.8  
56 52.1 43.2 64.8





#27

Carbon Disulfide

Concen: 9.752 ppbv

RT: 4.56

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

76 100

44 19.

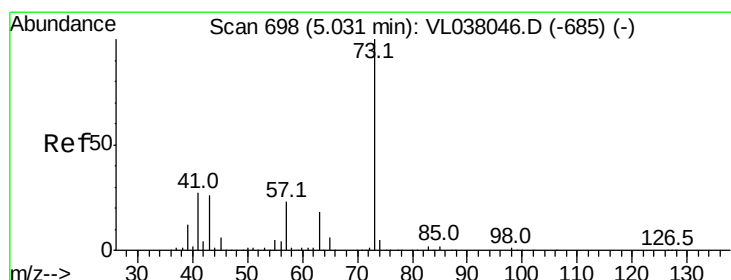
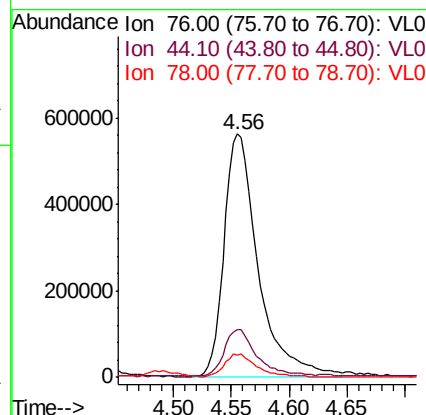
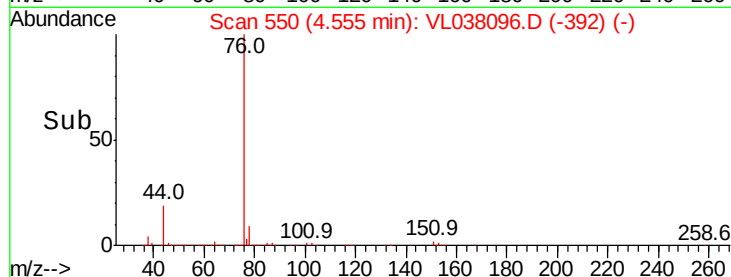
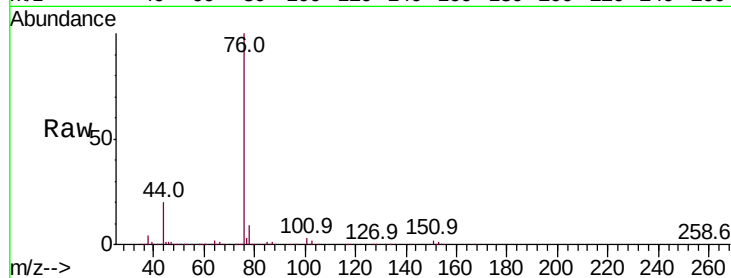
78 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#28

Methyl tert-Butyl Ether

Concen: 9.591 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL038096.D

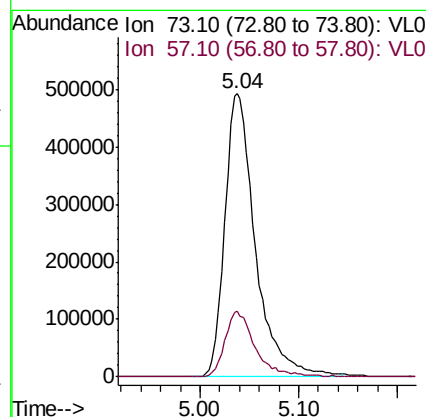
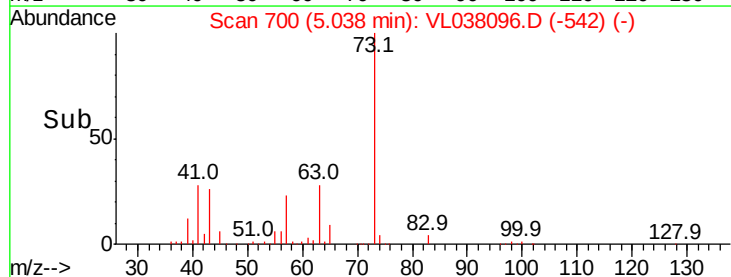
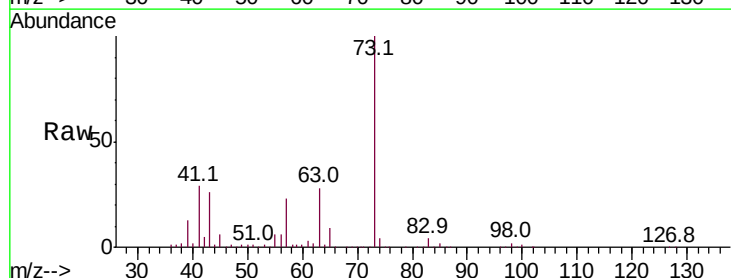
Acq: 23 Nov 2021 12:31

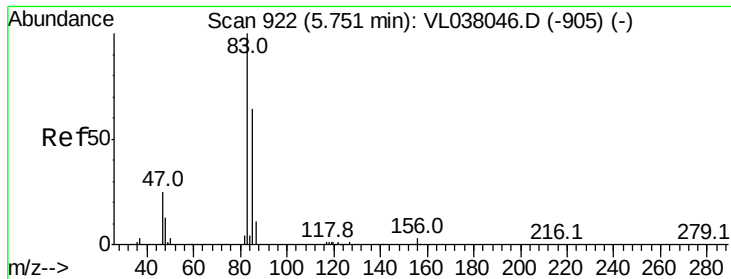
Tgt Ion: 73 Resp: 1070072

Ion Ratio Lower Upper

73 100

57 23.3 19.0 28.4



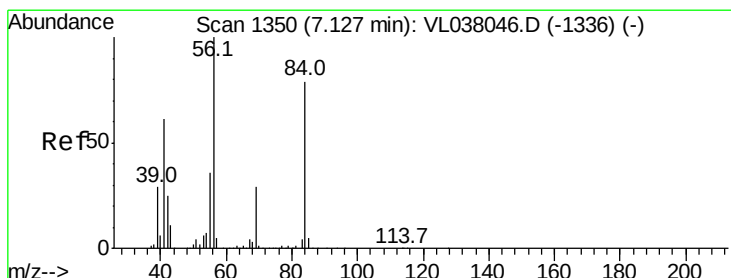
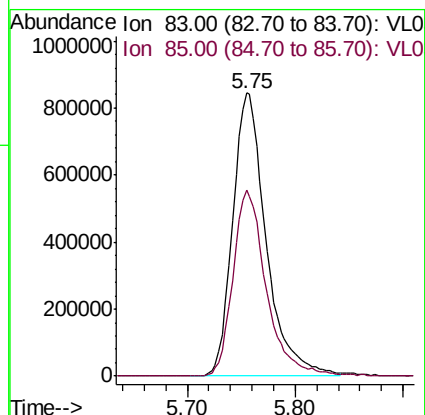
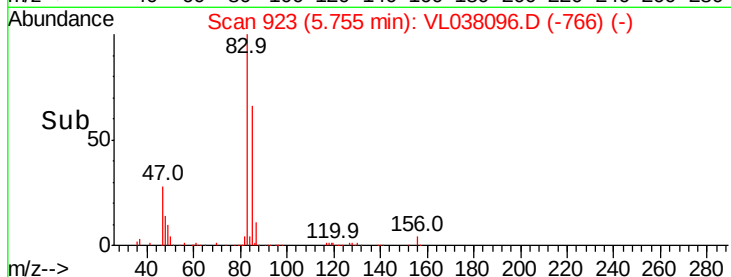
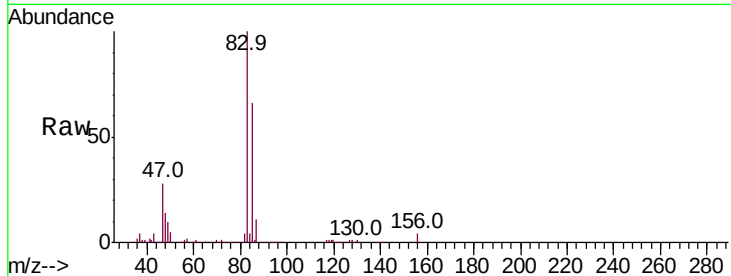


#29  
Chloroform  
Concen: 9.429 ppbv  
RT: 5.75  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
83 100  
85 65.

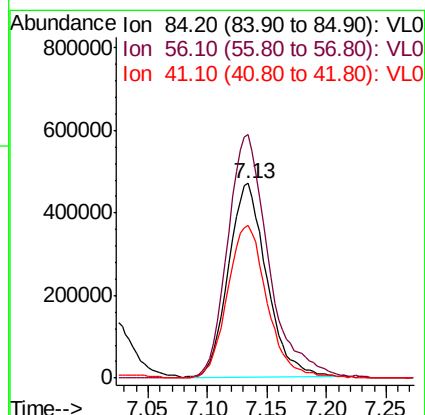
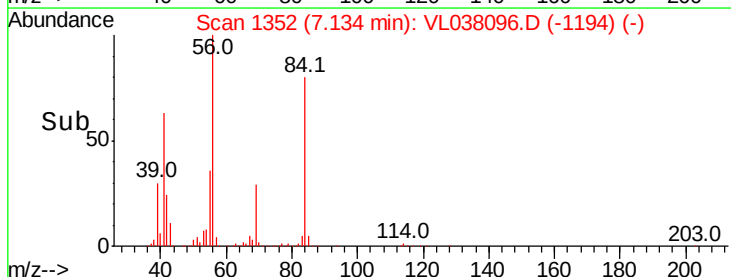
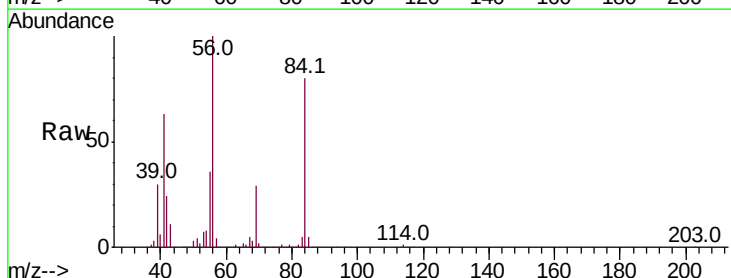
Manual Integrations  
APPROVED

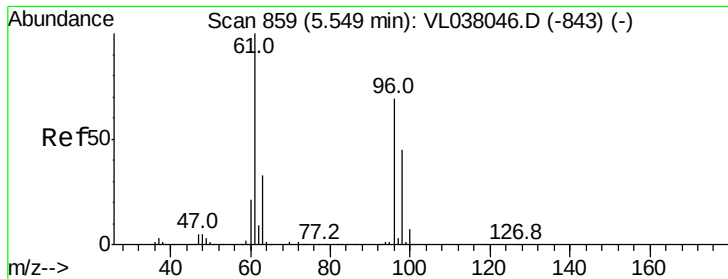
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#30  
Cyclohexane  
Concen: 8.787 ppbv  
RT: 7.13 min Scan# 1352  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 84 Resp: 1047744  
Ion Ratio Lower Upper  
84 100  
56 135.7 108.1 162.1  
41 82.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 9.489 ppbv

RT: 5.55

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

61 100

96 62.

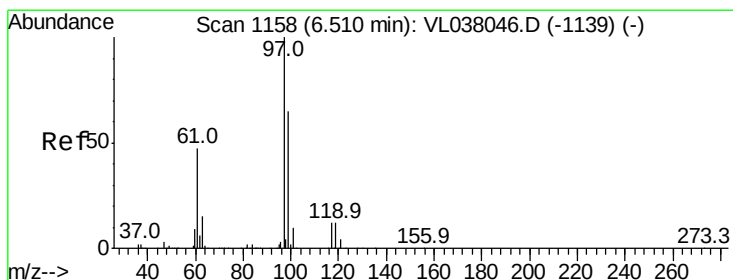
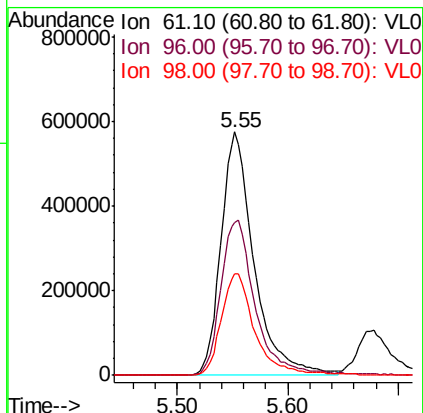
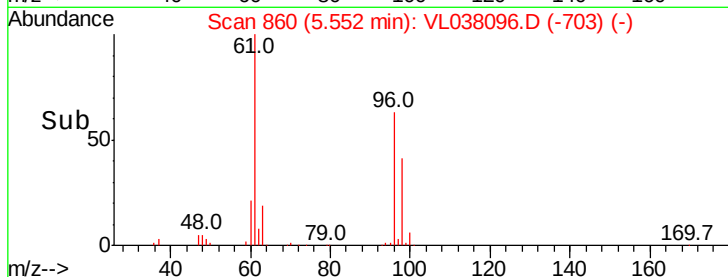
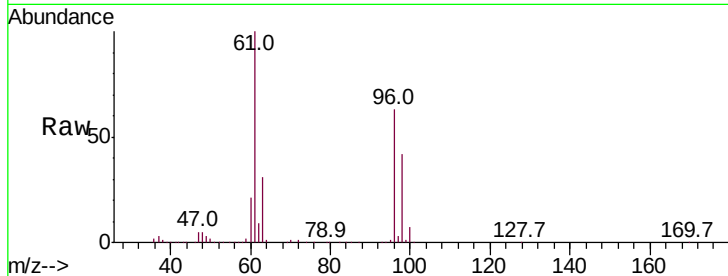
98 41.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#32

1,1,1-Trichloroethane

Concen: 9.511 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

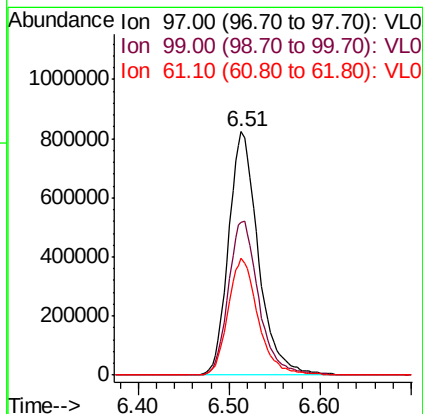
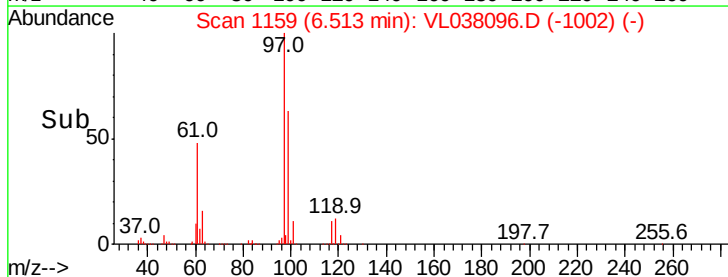
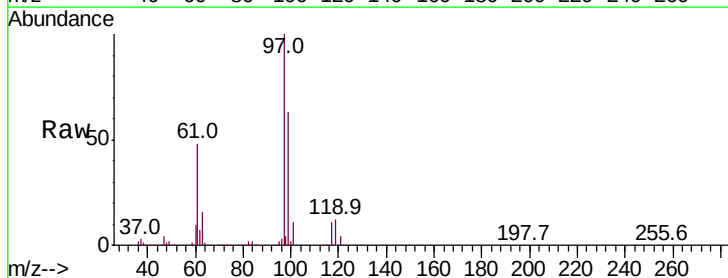
Tgt Ion: 97 Resp: 1868420

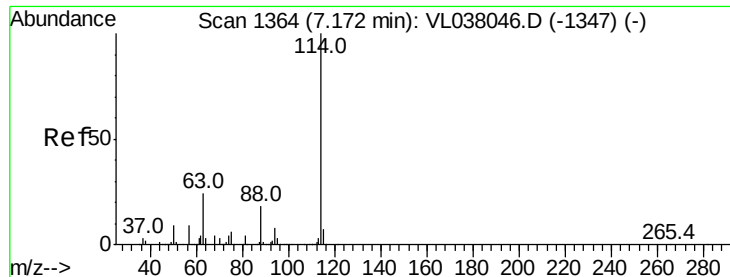
Ion Ratio Lower Upper

97 100

99 64.8 52.2 78.4

61 48.9 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA\_1

Delta R.T. 0.00

Lab File: VL1123ABS01

Acq: 23 Nov 2021 12:31

Tot Ion: 1

Ion Ratio

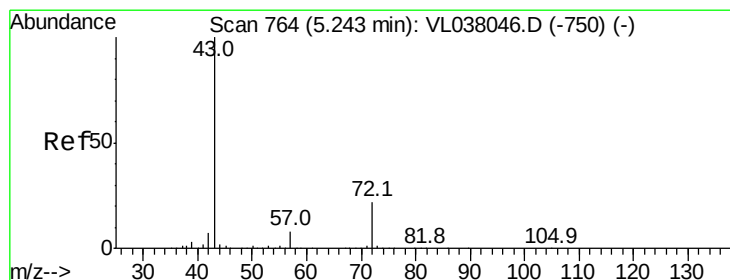
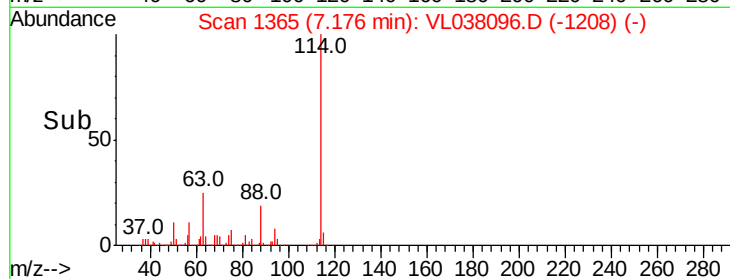
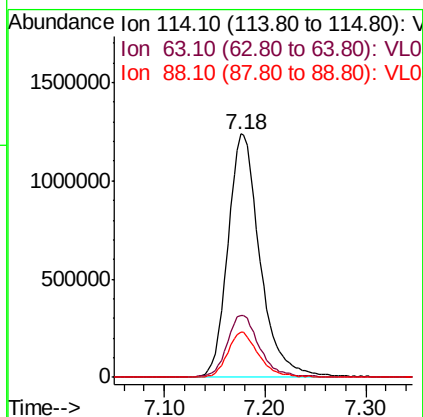
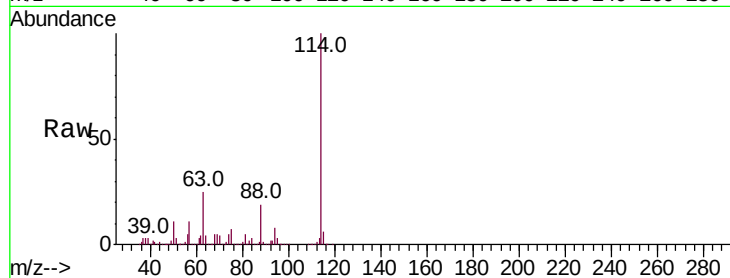
|     |      |
|-----|------|
| 114 | 100  |
| 63  | 26.1 |
| 88  | 18.8 |

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 11/25/2021

Supervised By : Mahesh Dadoda 11/29/2021



#34

2-Butanone

Concen: 7.533 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.00 min

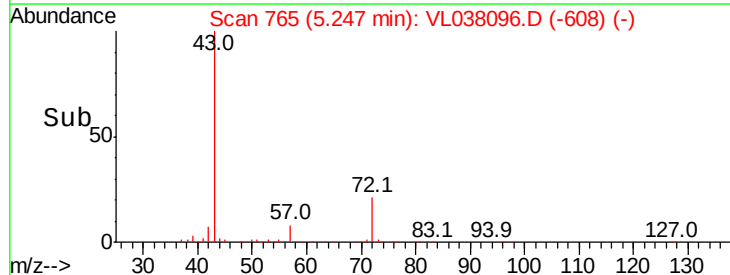
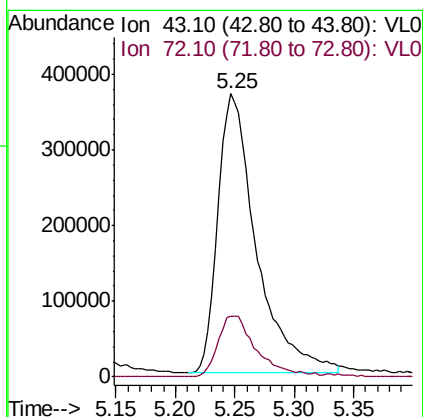
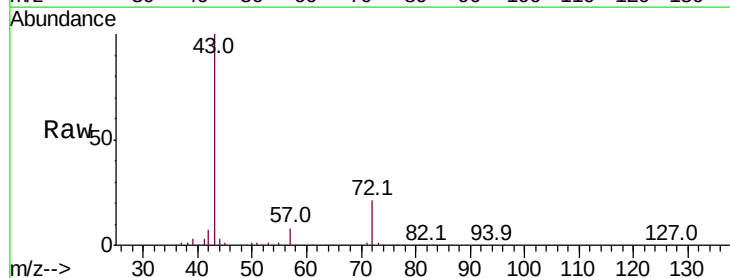
Lab File: VL038096.D

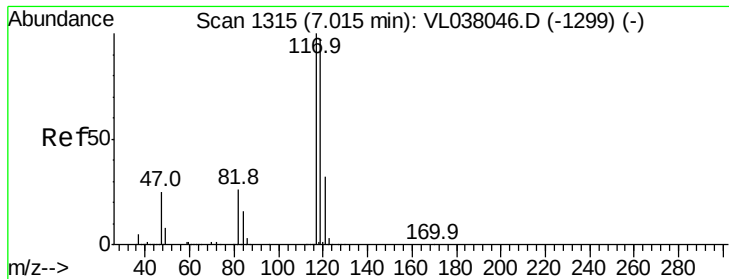
Acq: 23 Nov 2021 12:31

Tgt Ion: 43 Resp: 831205

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 43 | 100  |      |      |
| 72 | 23.4 | 18.8 | 28.2 |



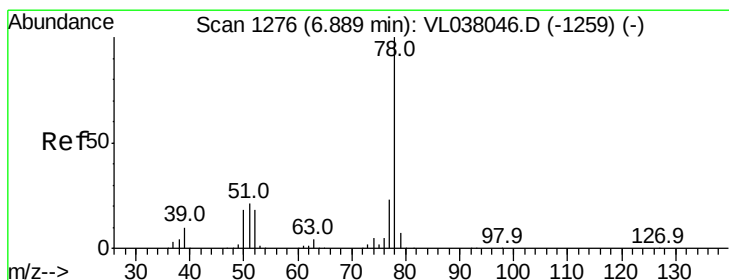
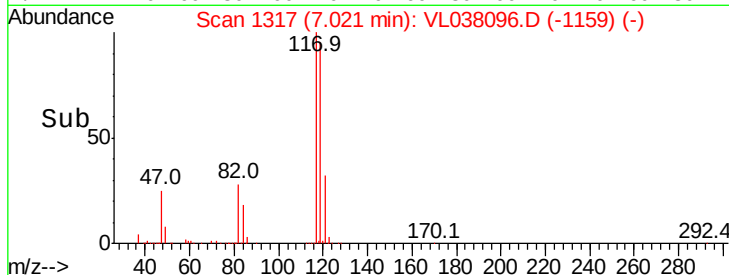
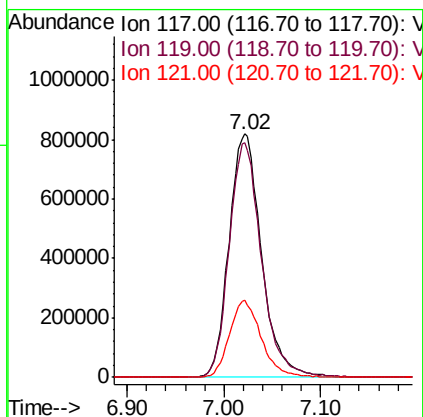
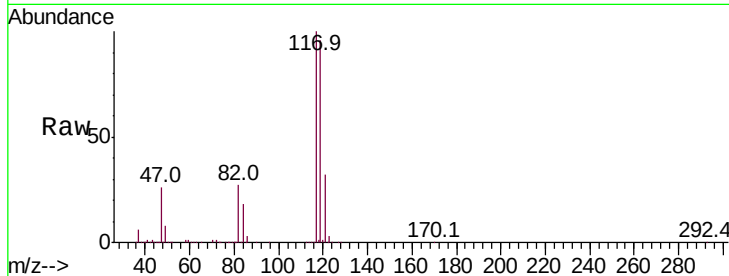


#35  
Carbon Tetrachloride  
Concen: 9.915 ppbv  
RT: 7.02  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:1  
Ion Rati  
117 100  
119 96.  
121 31.

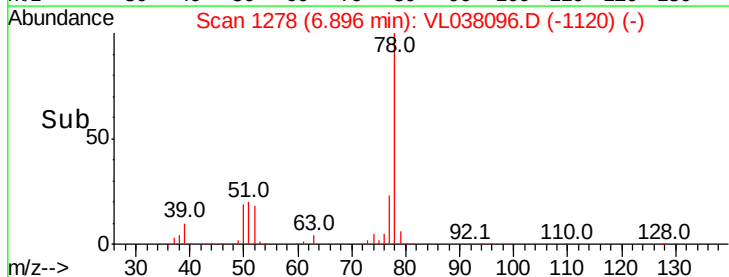
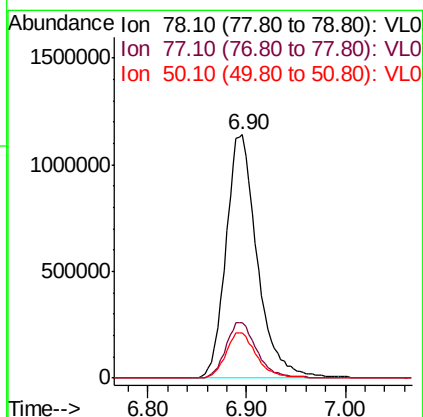
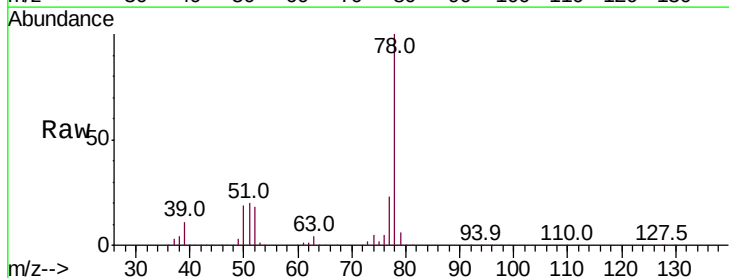
Manual Integrations  
APPROVED

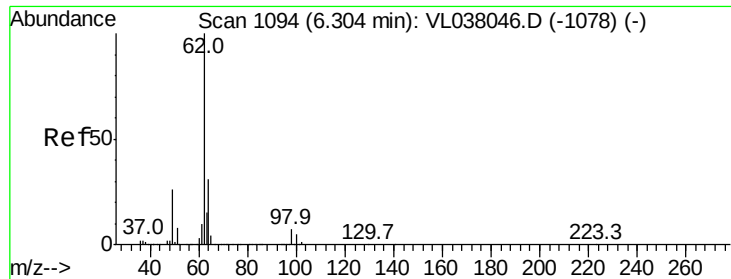
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#36  
Benzene  
Concen: 9.259 ppbv  
RT: 6.90 min Scan# 1278  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 78 Resp: 2527477  
Ion Ratio Lower Upper  
78 100  
77 22.5 18.2 27.4  
50 18.7 14.7 22.1



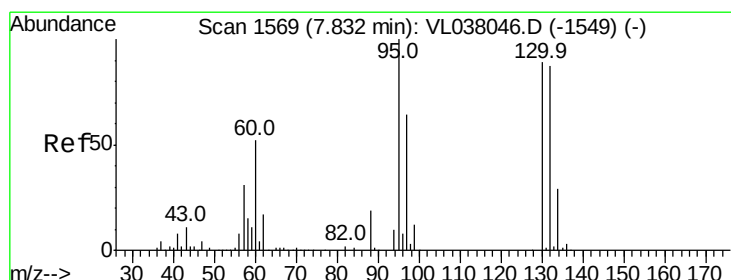
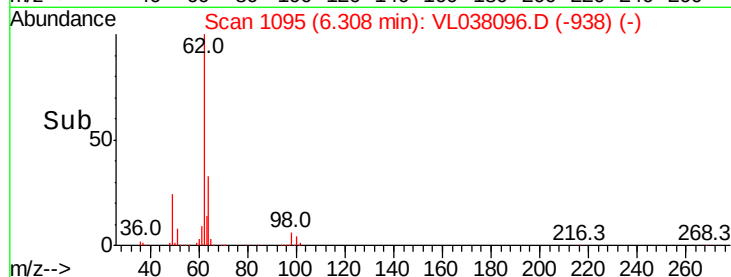
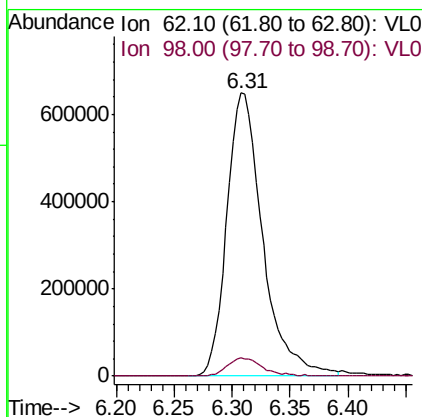
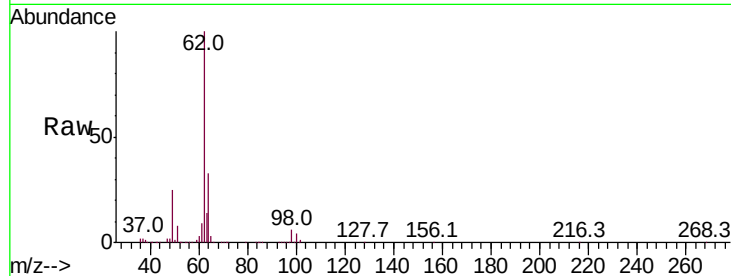


#37  
 1,2-Dichloroethane  
 Concen: 10.596 ppbv  
 RT: 6.31  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion:  
 Ion Ratio  
 62 100  
 98 6.

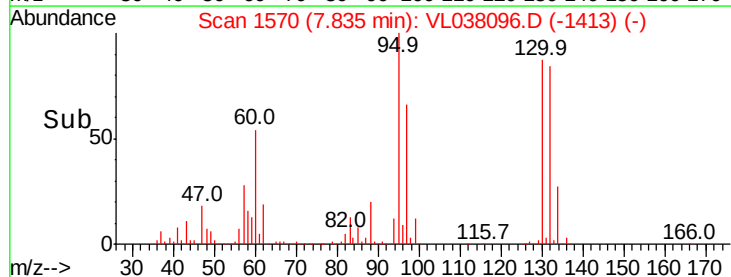
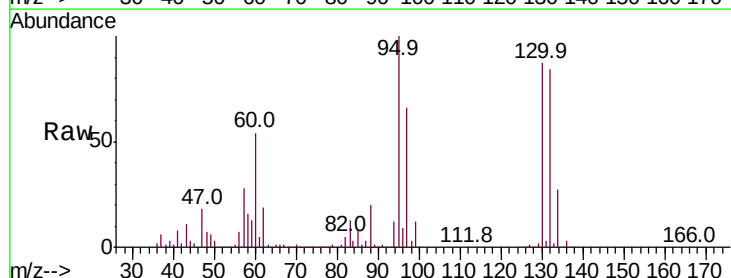
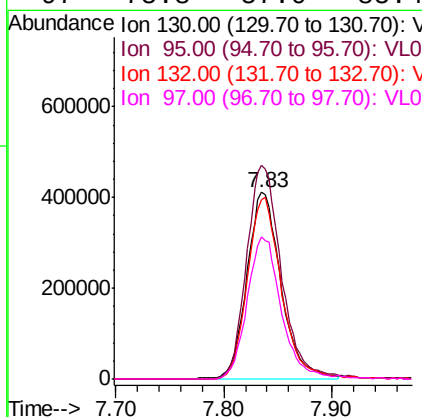
Manual Integrations  
 APPROVED

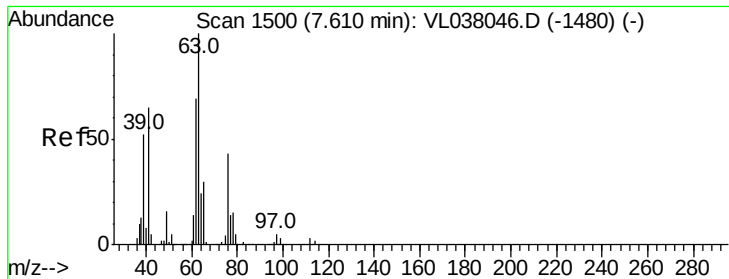
Reviewed By :Semsettin Yesilyurt 11/25/2021  
 Supervised By :Mahesh Dadoda 11/29/2021



#38  
 Trichloroethene  
 Concen: 8.771 ppbv  
 RT: 7.83 min Scan# 1570  
 Delta R.T. 0.00 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion:130 Resp: 903045  
 Ion Ratio Lower Upper  
 130 100  
 95 114.4 89.4 134.2  
 132 96.3 78.2 117.2  
 97 75.8 57.0 85.4





#39

1,2-Dichloropropane

Concen: 9.502 ppbv

RT: 7.61

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

63 100

41 71.

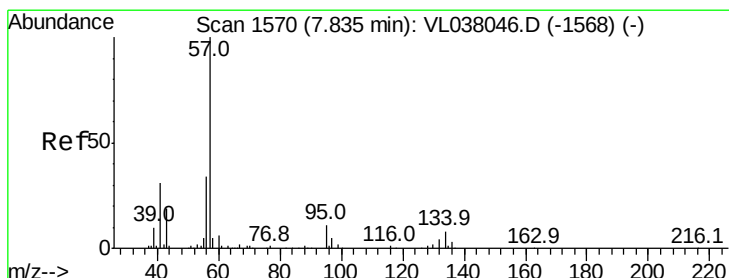
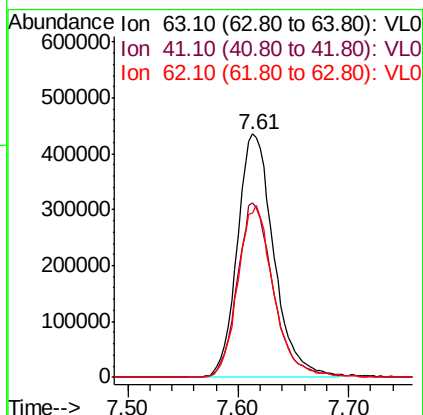
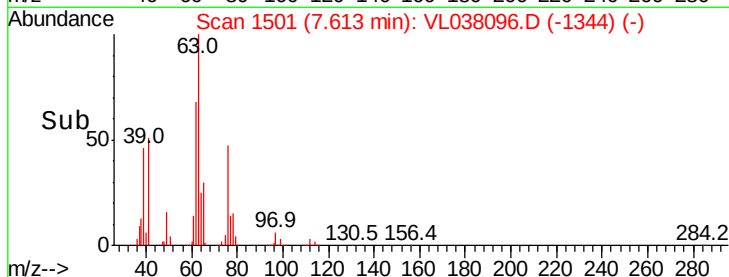
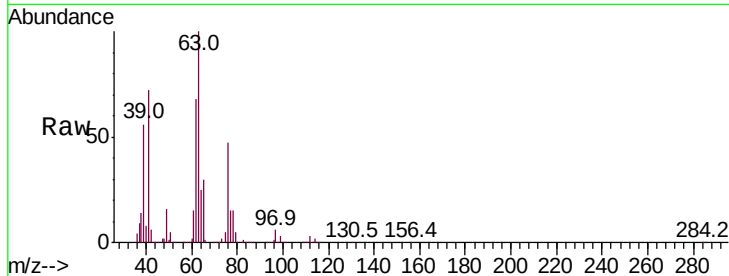
62 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#40

1,4-Dioxane

Concen: 9.062 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

Tgt Ion: 88 Resp: 247197

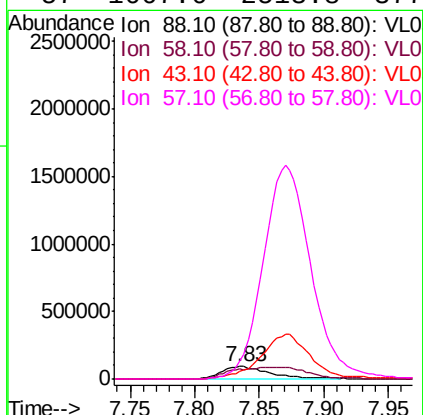
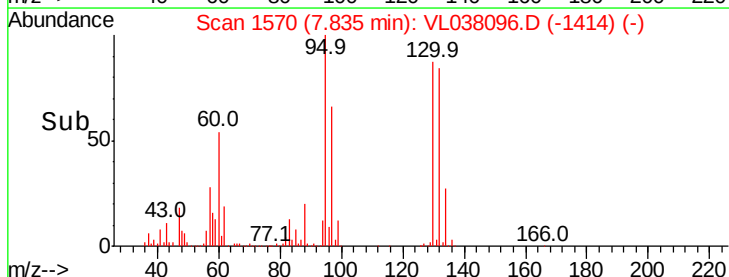
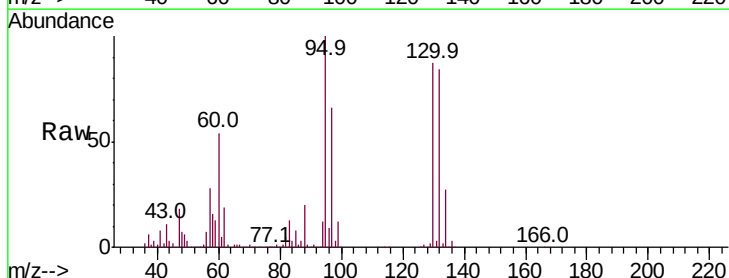
Ion Ratio Lower Upper

88 100

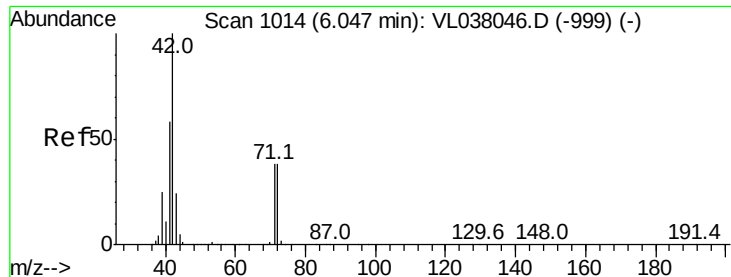
58 149.3 229.2 343.8#

43 369.0 553.3 829.9#

57 1667.6 2513.8 3770.8#





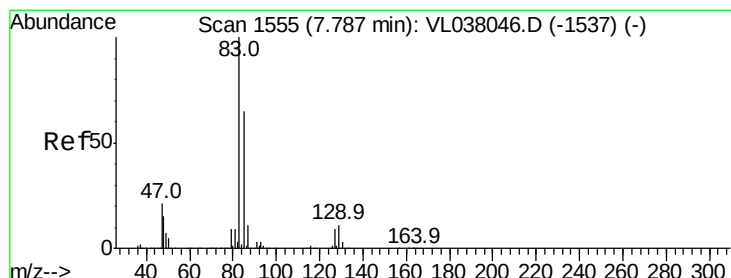
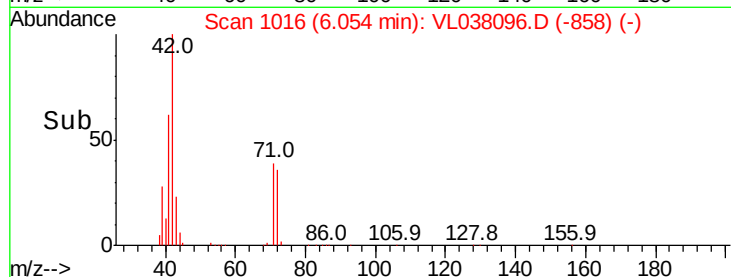
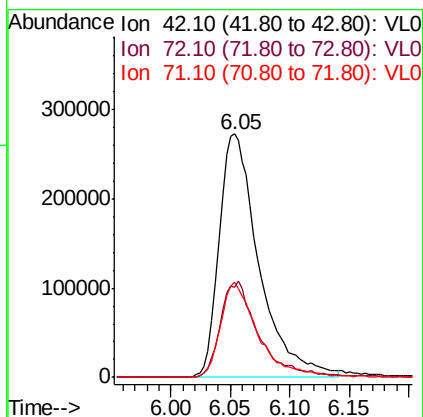
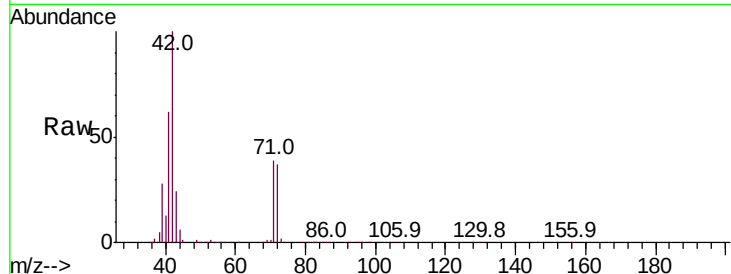


#41  
Tetrahydrofuran  
Concen: 9.239 ppbv  
RT: 6.05  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
42 100  
72 38.  
71 37.

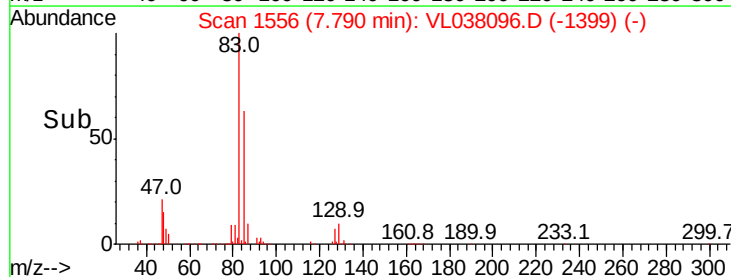
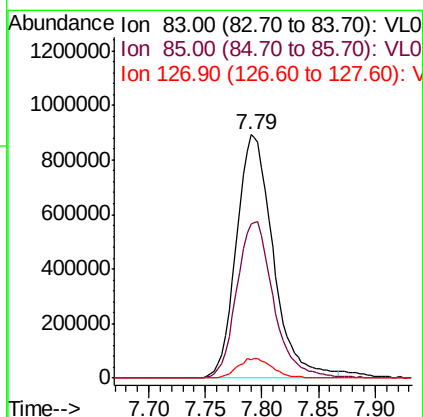
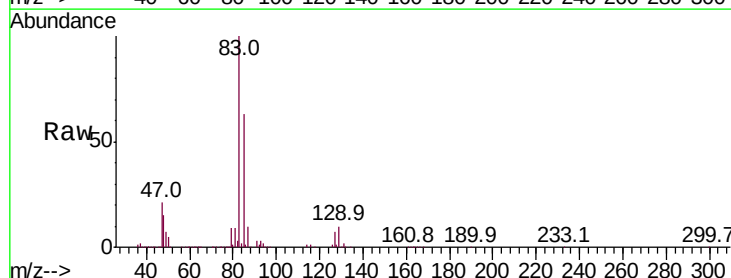
Manual Integrations  
APPROVED

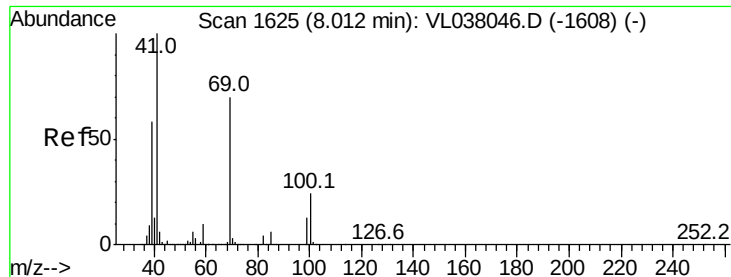
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#42  
Bromodichloromethane  
Concen: 10.094 ppbv  
RT: 7.79 min Scan# 1556  
Delta R.T.: 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 83 Resp: 2023032  
Ion Ratio Lower Upper  
83 100  
85 63.3 51.9 77.9  
127 7.4 6.8 10.2



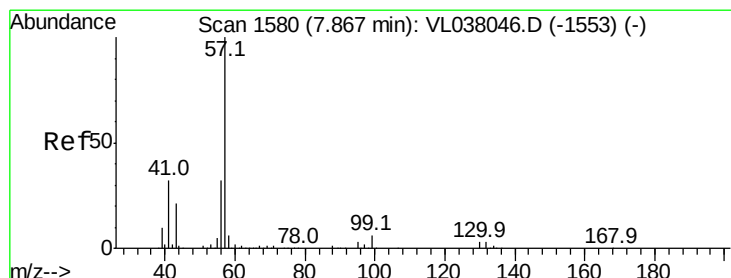
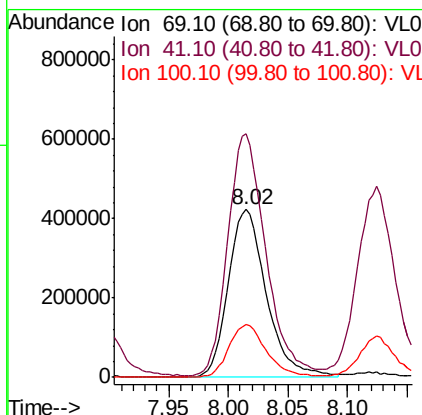
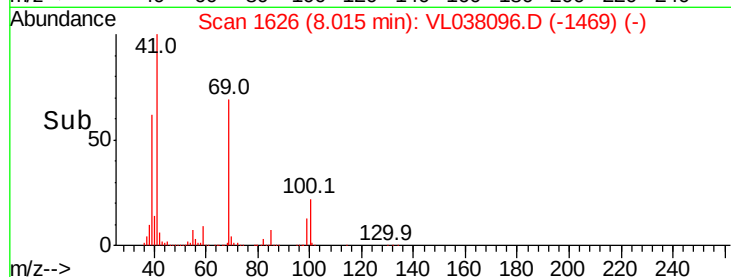
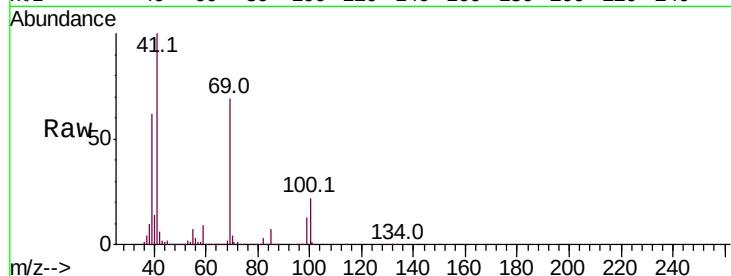


#43  
Methyl Methacrylate  
Concen: 10.047 ppbv  
RT: 8.02  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
69 100  
41 145.  
100 31.

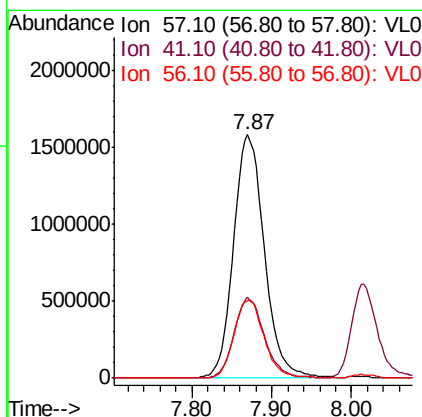
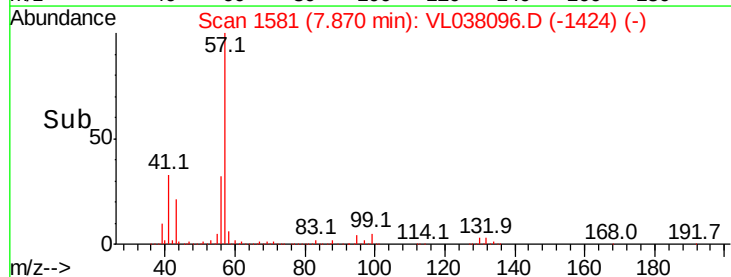
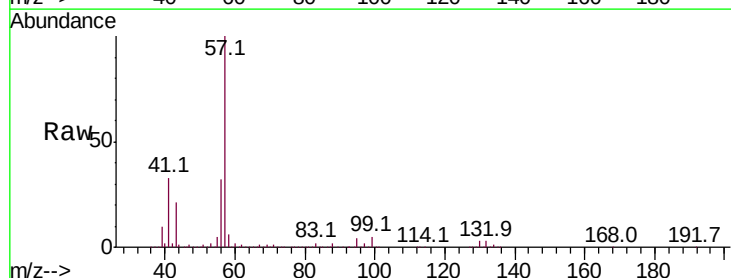
Manual Integrations  
APPROVED

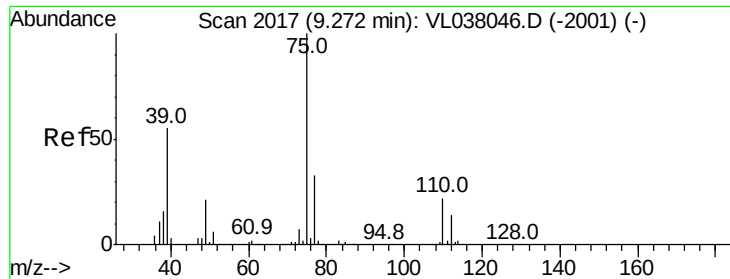
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#44  
2,2,4-Trimethylpentane  
Concen: 9.023 ppbv  
RT: 7.87 min Scan# 1581  
Delta R.T. 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 57 Resp: 4120550  
Ion Ratio Lower Upper  
57 100  
41 32.6 25.8 38.6  
56 31.3 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 10.979 ppbv

RT: 9.28 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31 VL1123ABS01

Tot Ion:

Ion Ratio

75 100

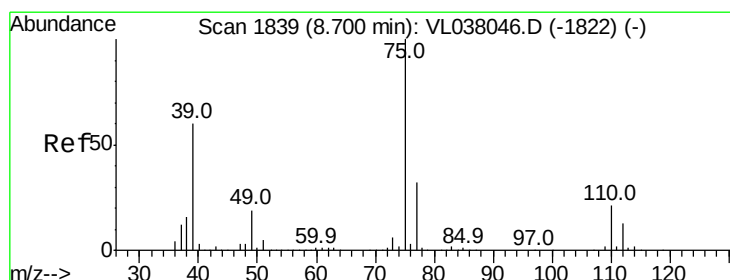
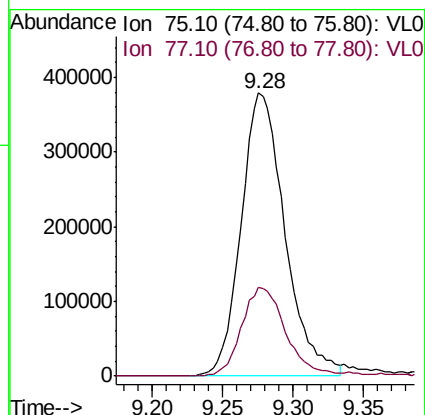
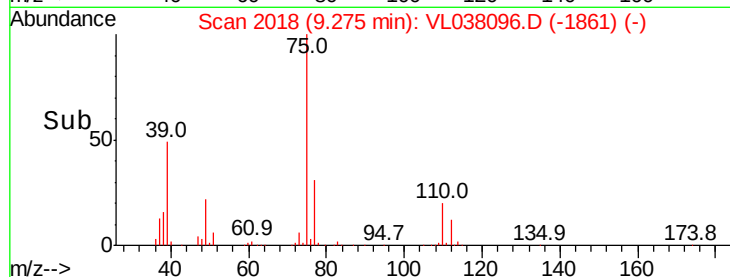
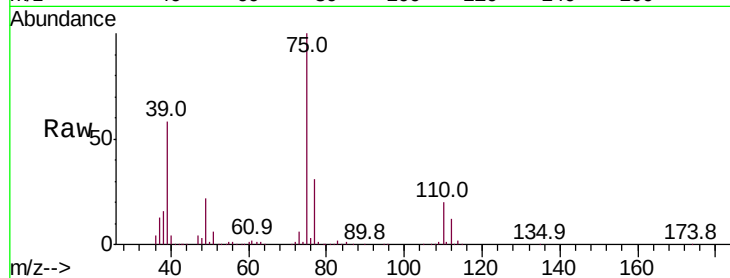
77 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#46

cis-1,3-Dichloropropene

Concen: 10.271 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.01 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

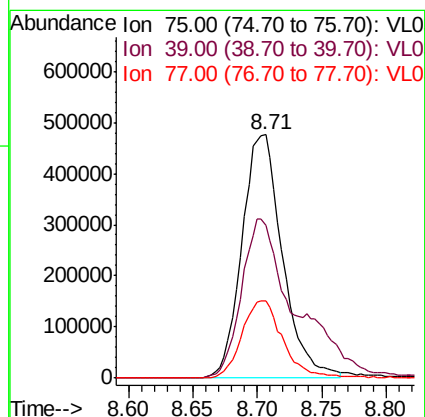
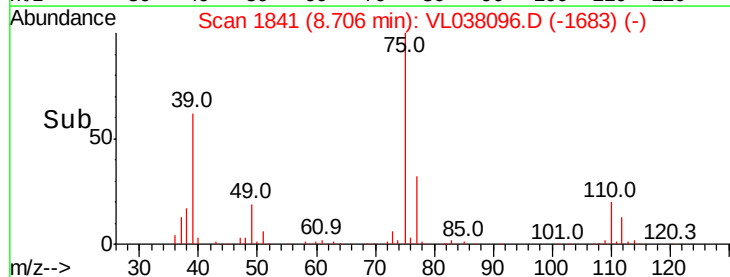
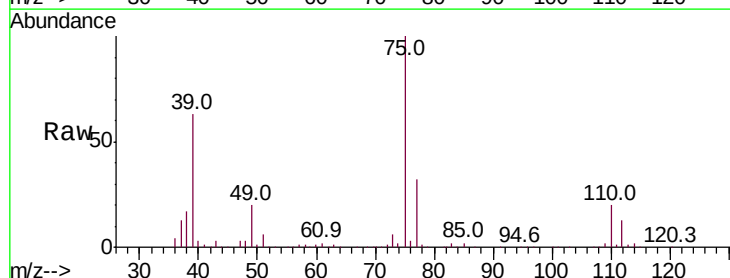
Tgt Ion: 75 Resp: 1040592

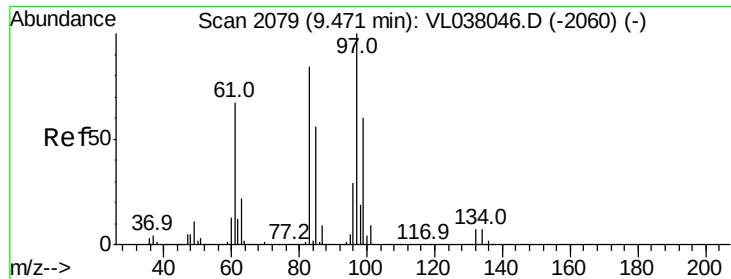
Ion Ratio Lower Upper

75 100

39 62.5 47.8 71.8

77 31.6 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.212 ppbv

RT: 9.47 min

Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: ClientSampleId : VL1123ABS01

Acq: 23 Nov 2021 12:31

Tot Ion: 97.00 (96.70 to 97.70): VL0

Ion Ratio: 100

97 100

83 89.5

85 59.5

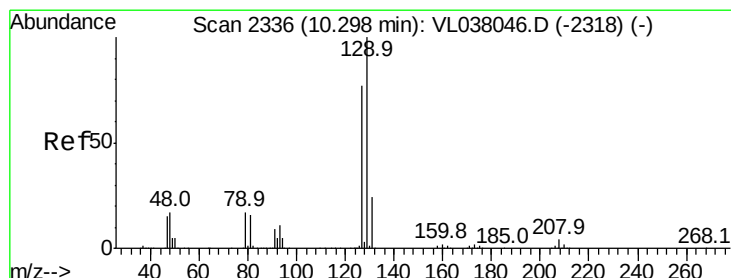
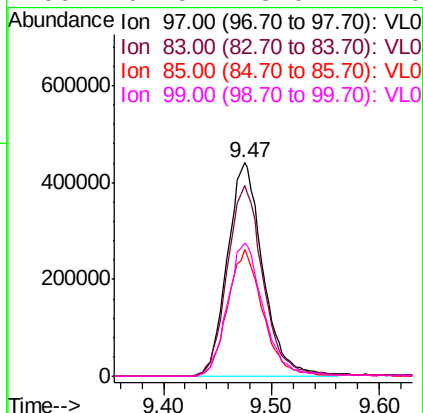
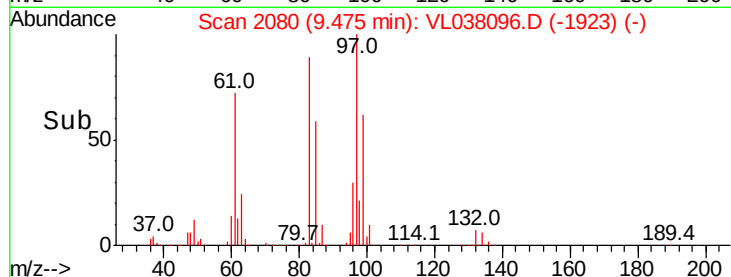
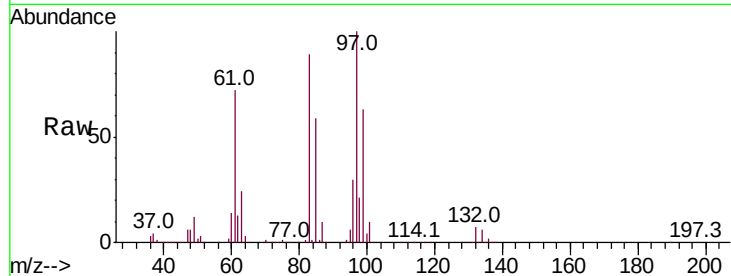
99 62.5 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#48

Dibromochloromethane

Concen: 9.829 ppbv

RT: 10.30 min Scan# 2338

Delta R.T. 0.01 min

Lab File: VL038096.D

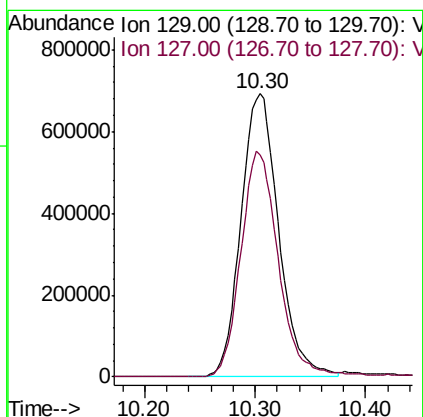
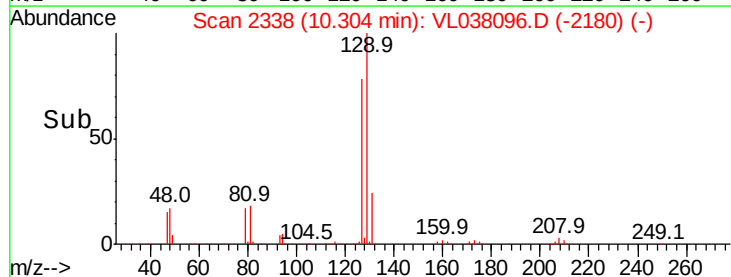
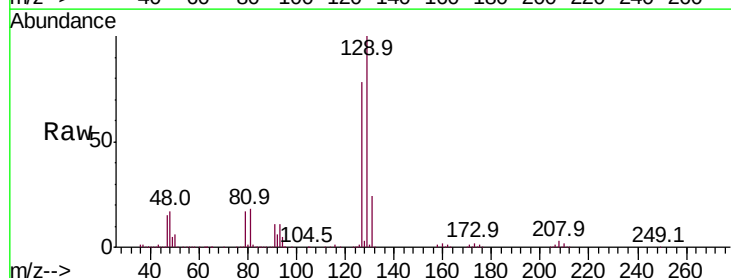
Acq: 23 Nov 2021 12:31

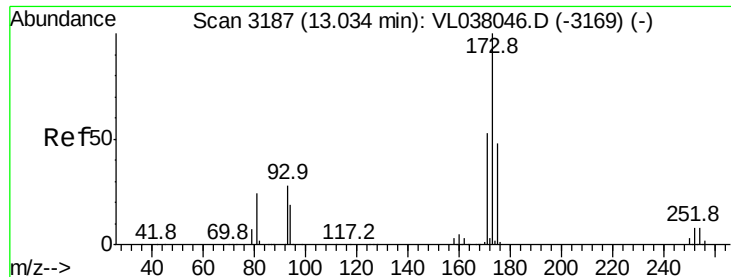
Tgt Ion:129 Resp: 1641518

Ion Ratio Lower Upper

129 100

127 80.6 39.4 118.1





#49

Bromoform

Concen: 9.861 ppbv

RT: 13.04

Delta R.T.

Lab File:

Acq: 23 Nov 2021 12:31

Instrument :

MSVOA\_L

ClientSampleId :

VL1123ABS01

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021

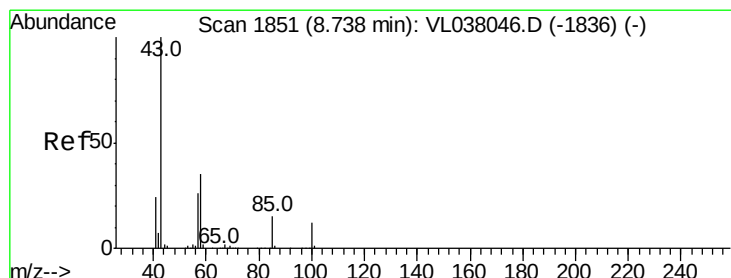
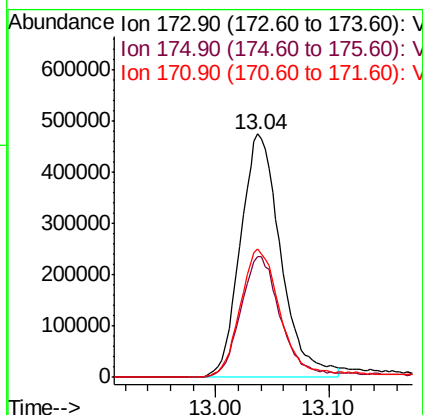
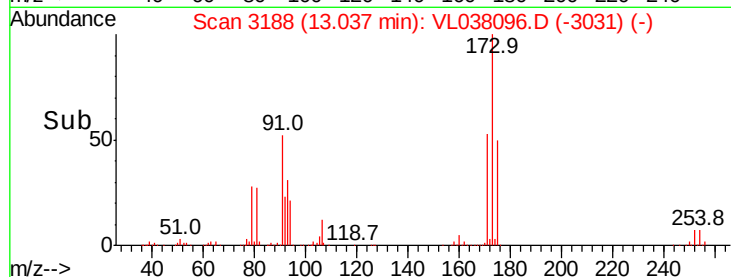
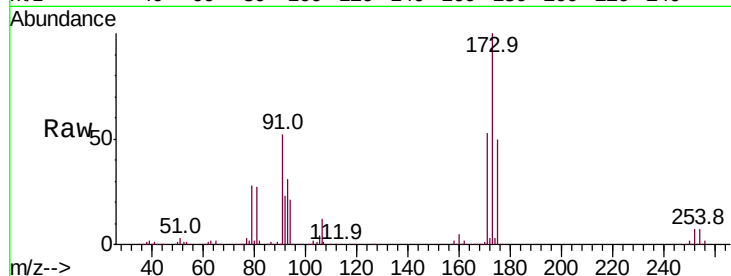
Tot Ion:1

Ion Rati

173 100

175 53.

171 56.



#50

4-Methyl-2-Pentanone

Concen: 9.702 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL038096.D

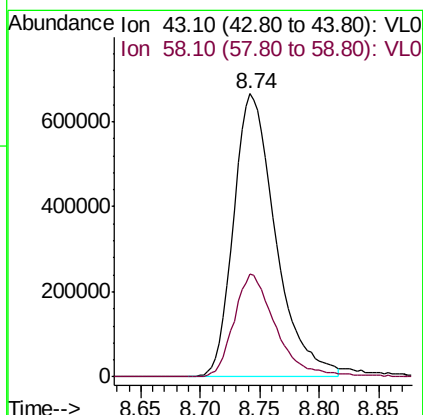
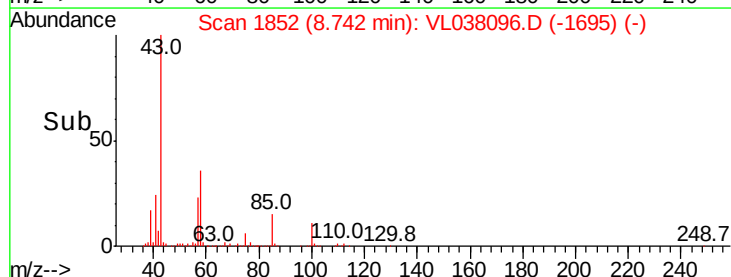
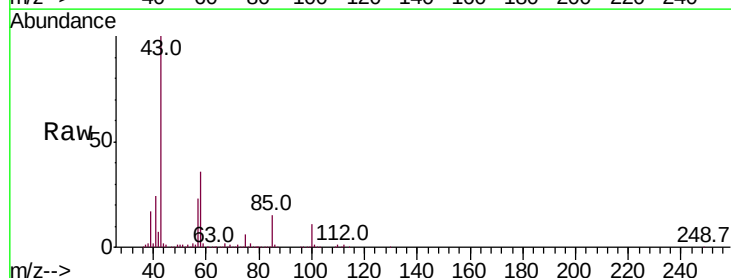
Acq: 23 Nov 2021 12:31

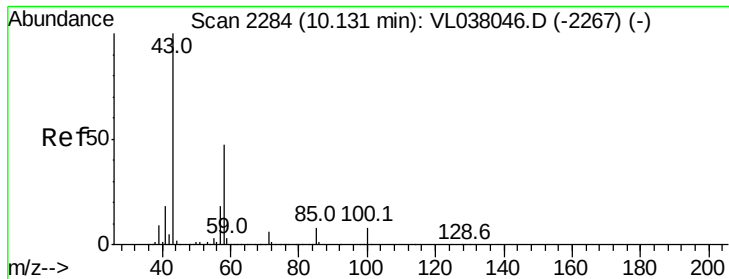
Tgt Ion: 43 Resp: 1625750

Ion Ratio Lower Upper

43 100

58 37.0 29.4 44.2



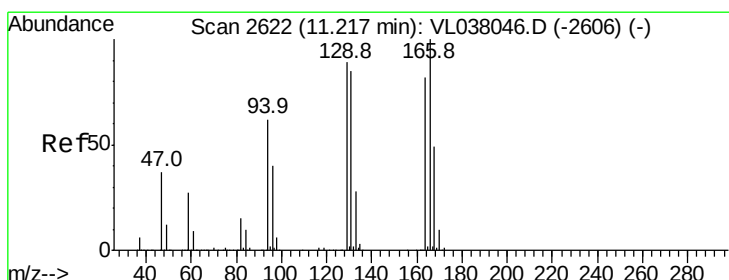
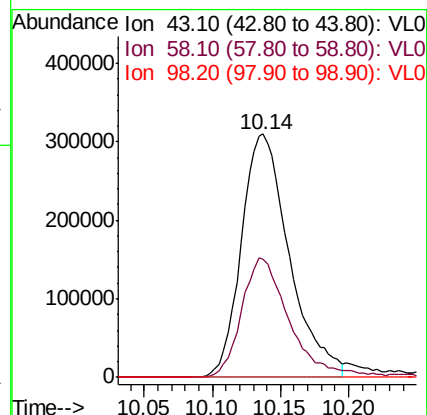
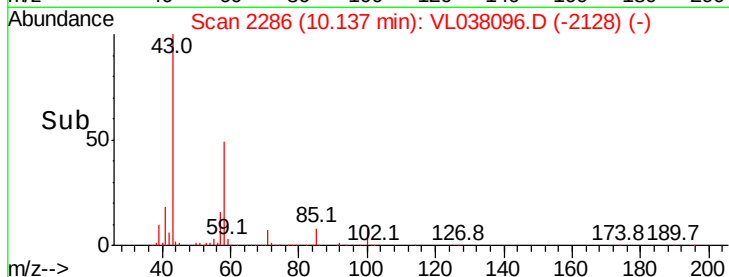
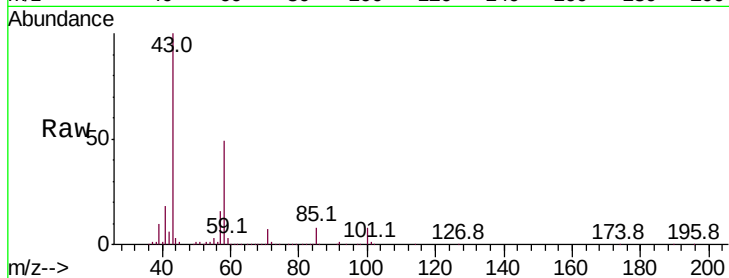


#51  
2-Hexanone  
Concen: 9.575 ppbv  
RT: 10.14 min  
Delta R.T.: 0.00 min  
Lab File: VL1123ABS01  
Acq: 23 Nov 2021 12:31

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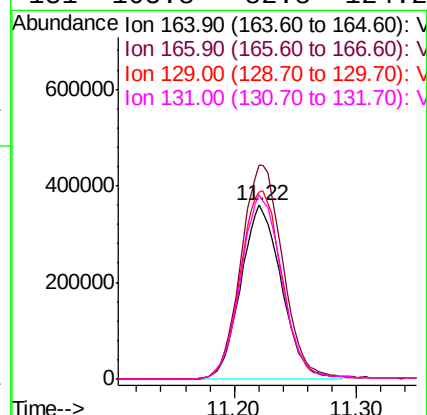
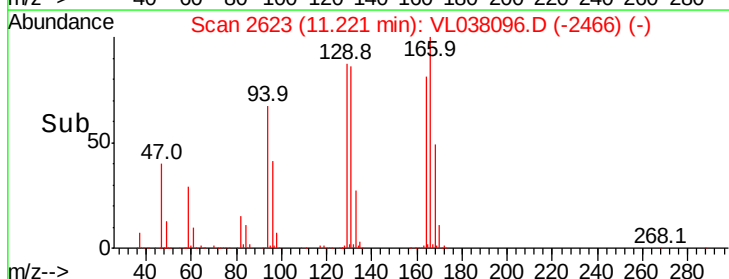
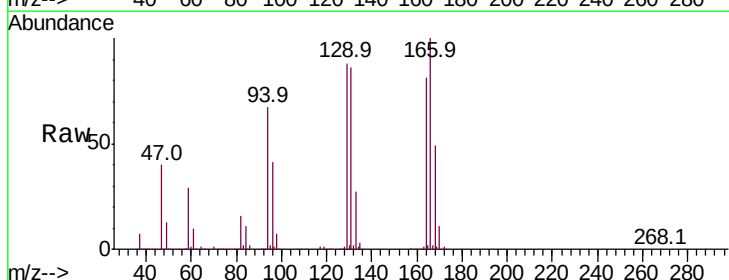
Tot Ion:  
Ion Ratio  
43 100  
58 50.  
98 0.

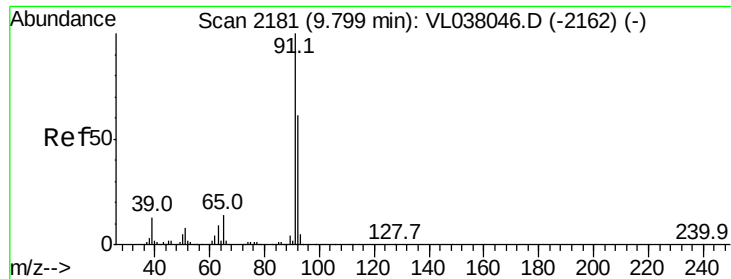
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#52  
Tetrachloroethene  
Concen: 8.181 ppbv  
RT: 11.22 min Scan# 2623  
Delta R.T.: 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion:164 Resp: 826280  
Ion Ratio Lower Upper  
164 100  
166 122.7 97.2 145.8  
129 107.4 86.9 130.3  
131 105.8 82.8 124.2





#53

Toluene

Concen: 9.084 ppbv

RT: 9.81

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

91 100

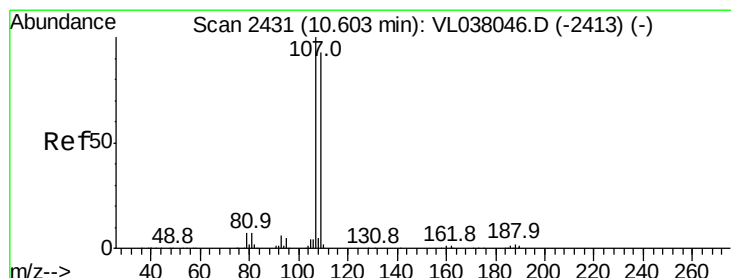
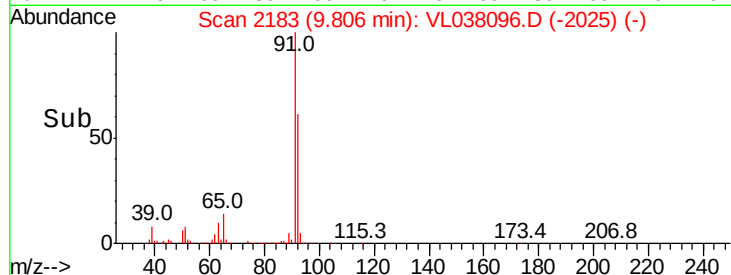
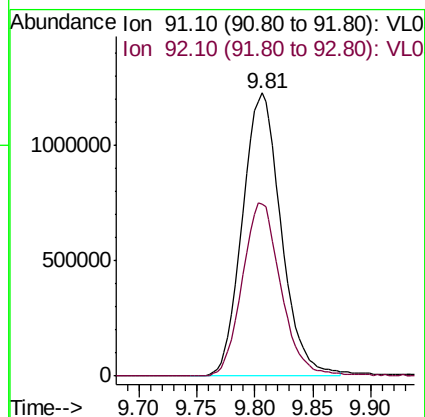
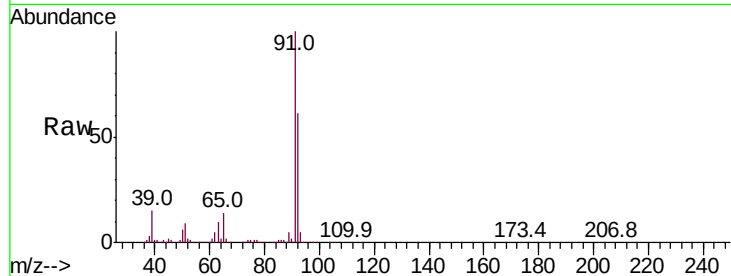
92 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#54

1,2-Dibromoethane

Concen: 9.394 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.01 min

Lab File: VL038096.D

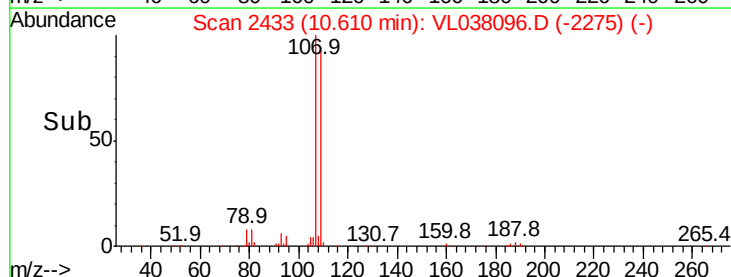
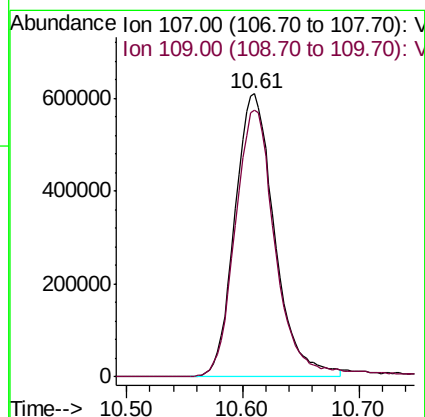
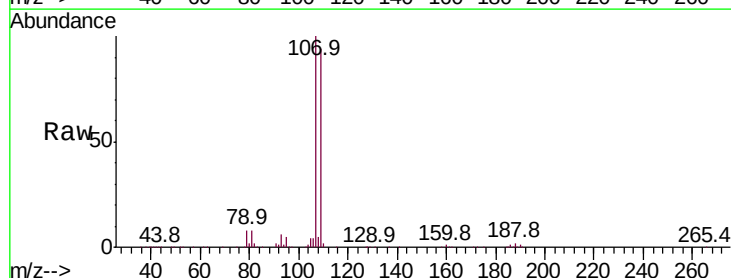
Acq: 23 Nov 2021 12:31

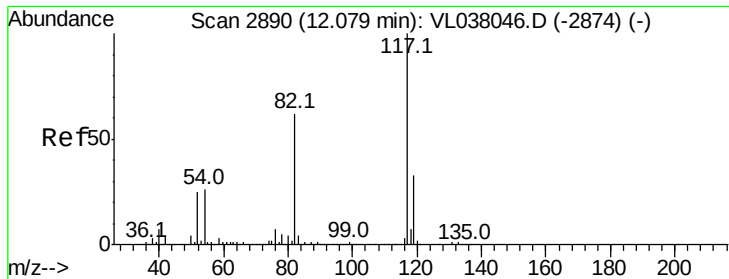
Tgt Ion:107 Resp: 1455113

Ion Ratio Lower Upper

107 100

109 94.2 74.6 111.8



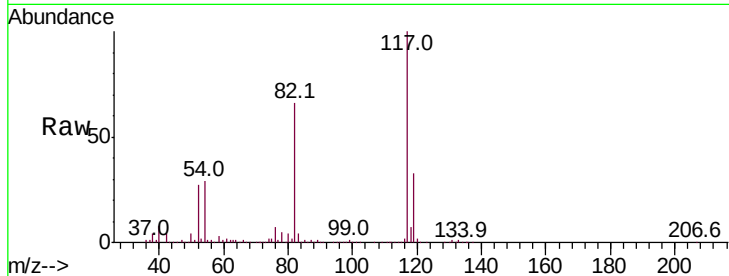


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.08  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

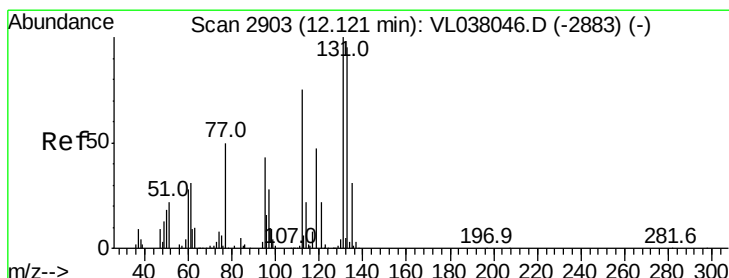
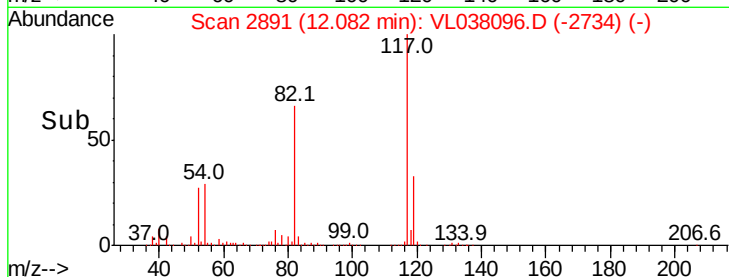
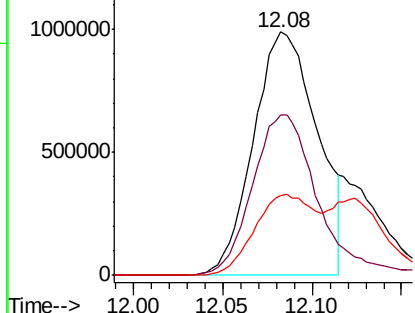
Tot Ion:1  
Ion Rati  
117 100  
82 71.  
119 31.

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Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021

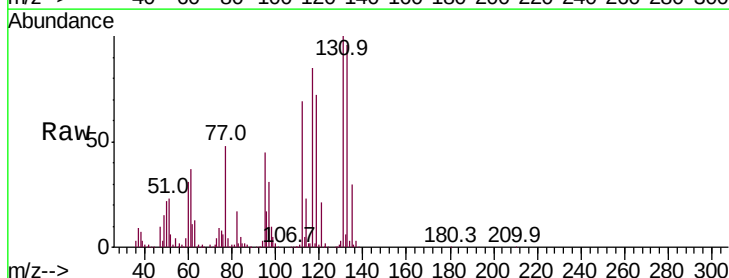


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

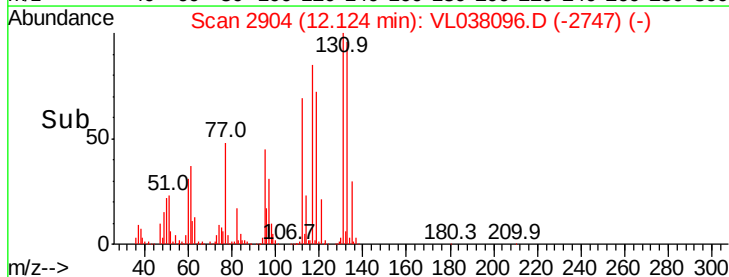
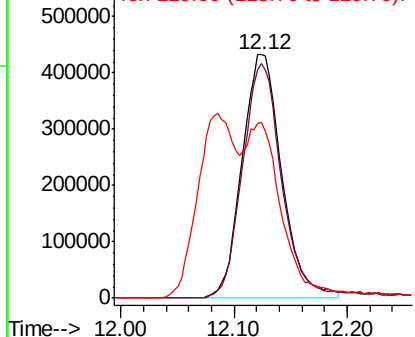


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.461 ppbv  
RT: 12.12 min Scan# 2904  
Delta R.T. 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

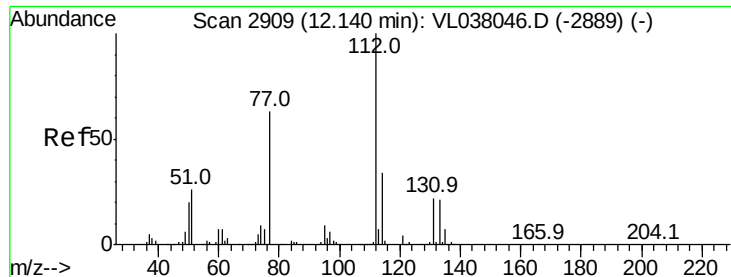
Tgt Ion:131 Resp: 1054258  
Ion Ratio Lower Upper  
131 100  
133 99.5 78.8 118.2  
119 71.8 56.3 84.5



Abundance Ion 131.00 (130.70 to 131.70): V  
Ion 133.00 (132.70 to 133.70): V  
Ion 119.00 (118.70 to 119.70): V





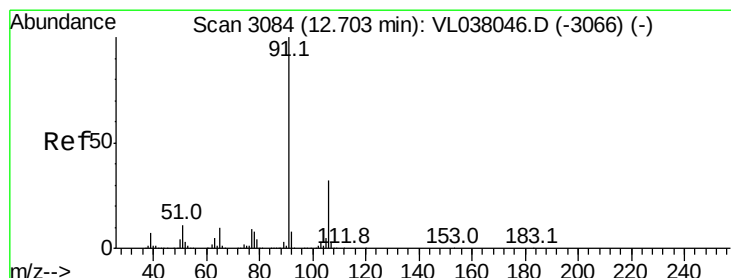
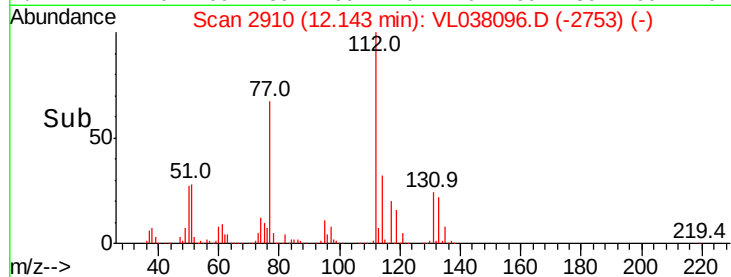
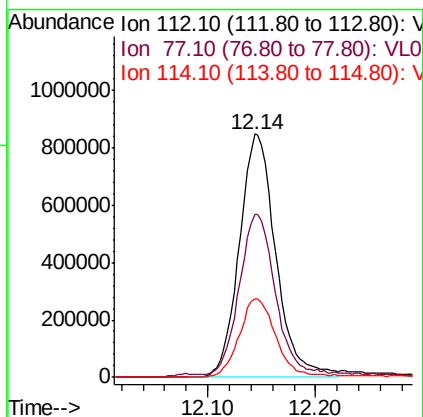
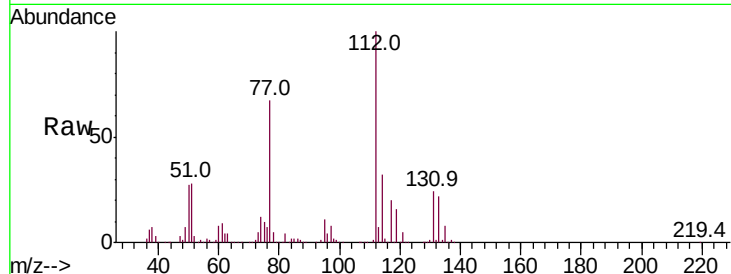


#57  
Chlorobenzene  
Concen: 9.075 ppbv  
RT: 12.14 min  
Delta R.T. 0.01 min  
Lab File: VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion: 1  
Ion Ratio  
112 100  
77 65.  
114 32.

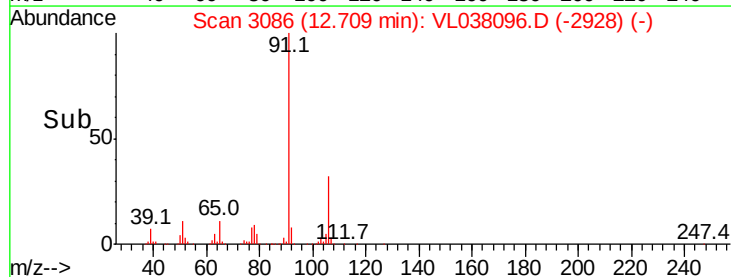
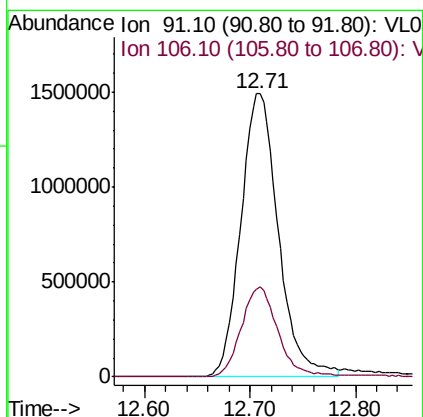
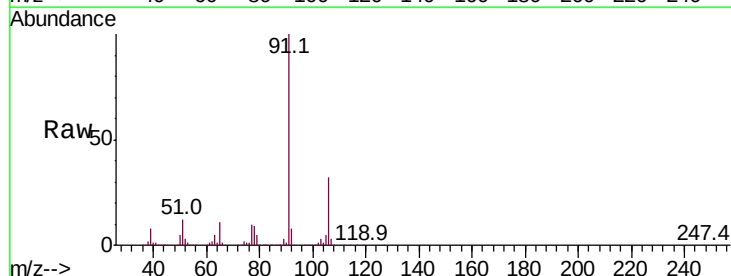
Manual Integrations  
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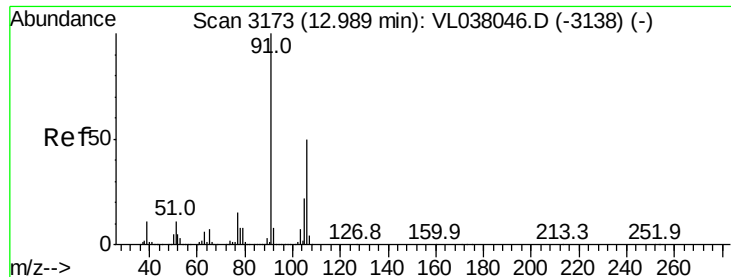
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#58  
Ethyl Benzene  
Concen: 9.134 ppbv  
RT: 12.71 min Scan# 3086  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 91 Resp: 3705509  
Ion Ratio Lower Upper  
91 100  
106 31.8 25.8 38.6



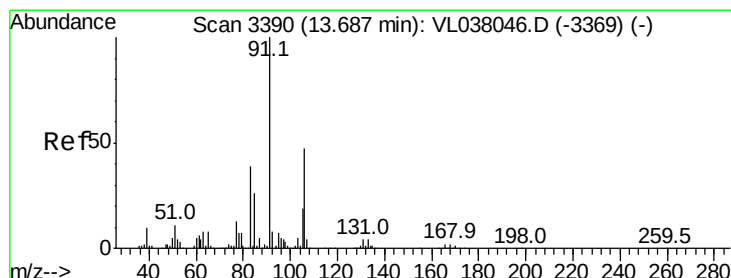
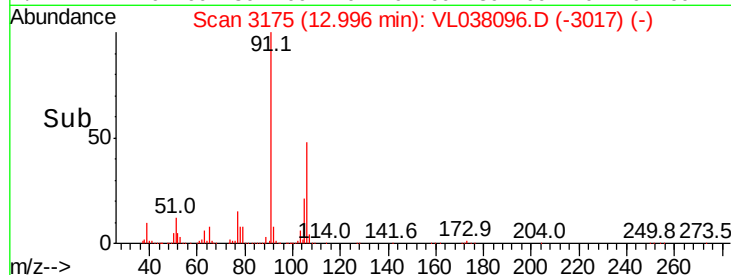
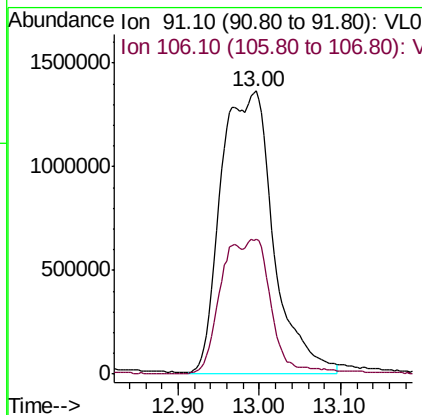
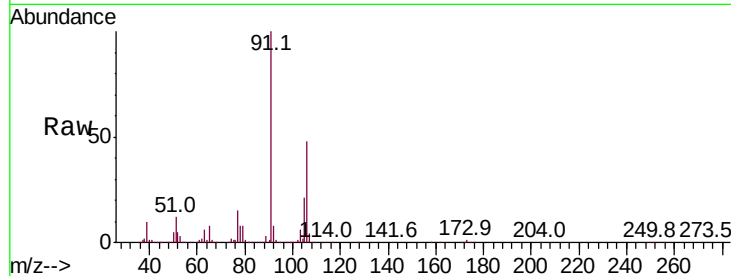


#59  
m/p-Xylene  
Concen: 17.952 ppbv m  
RT: 13.00  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 23 Nov 2021 12:31

Tot Ion:  
Ion Ratio  
91 100  
106 45.

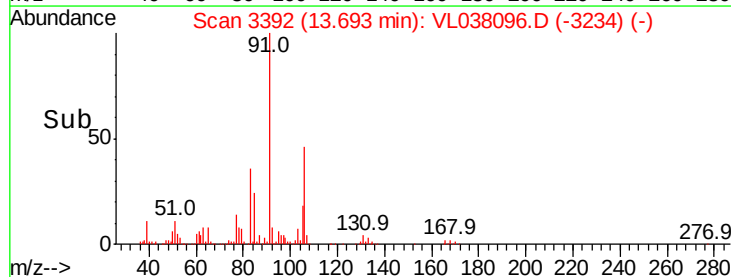
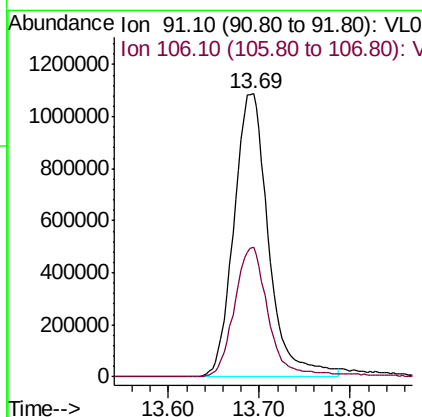
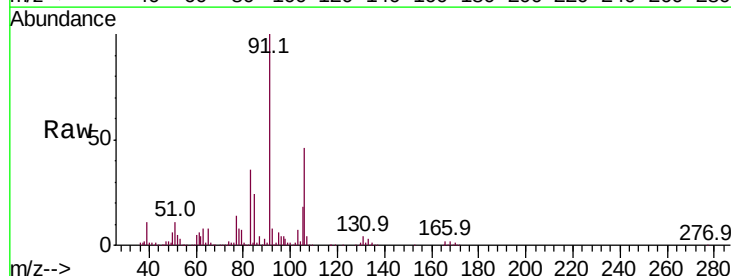
Manual Integrations  
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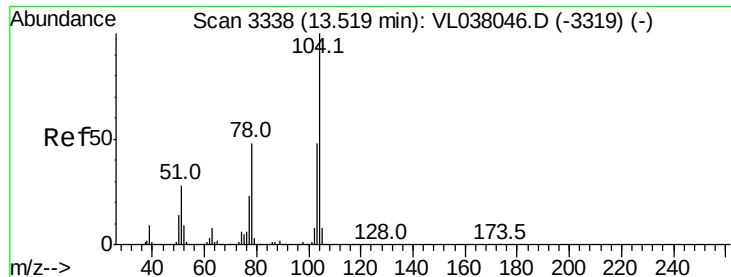
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#60  
o-Xylene  
Concen: 9.080 ppbv  
RT: 13.69 min Scan# 3392  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 91 Resp: 2876549  
Ion Ratio Lower Upper  
91 100  
106 46.1 24.2 72.6





#61

Stvrene

Concen: 9.140 ppbv

RT: 13.52

Delta R.T.

Lab File:

Acq: 23 Nov 2021 12:31

Instrument :

MSVOA\_1

ClientSampleId :

VL1123ABS01

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021

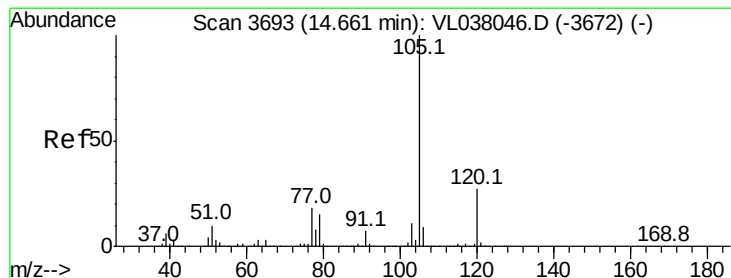
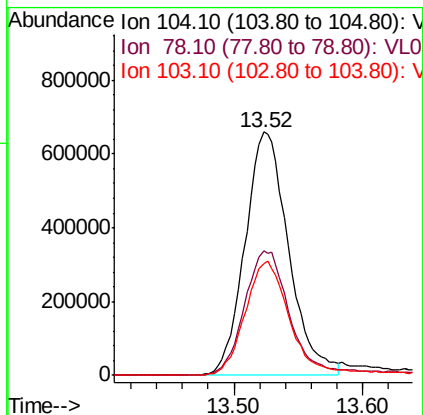
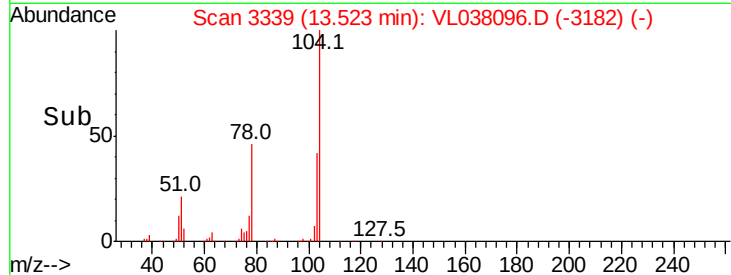
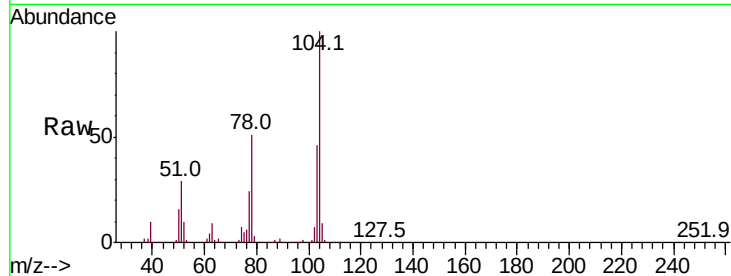
Tot Ion:1

Ion Rati

104 100

78 54.

103 49.



#62

Isopropylbenzene

Concen: 8.778 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VL038096.D

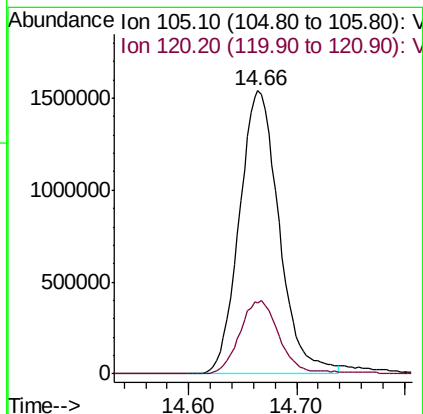
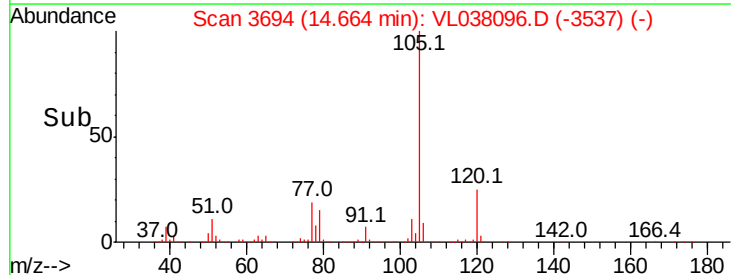
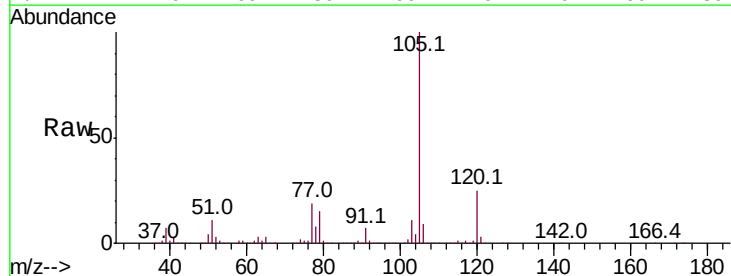
Acq: 23 Nov 2021 12:31

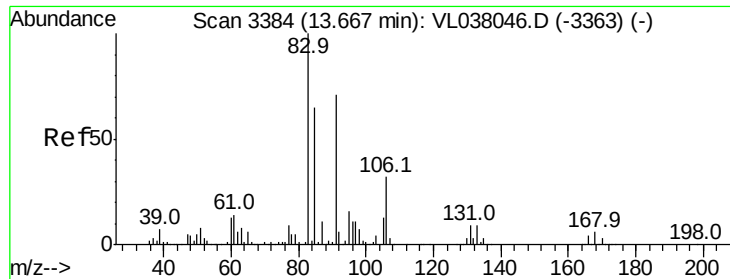
Tgt Ion:105 Resp: 3947323

Ion Ratio Lower Upper

105 100

120 26.4 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.517 ppbv

RT: 13.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

83 100

131 9.

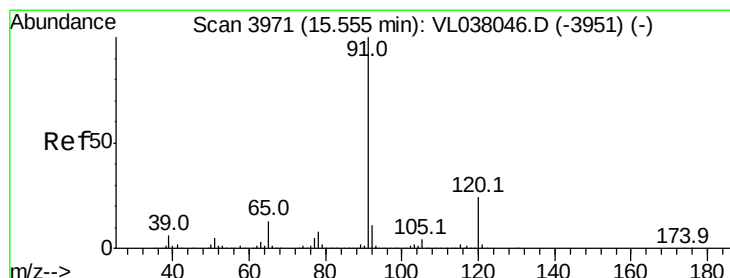
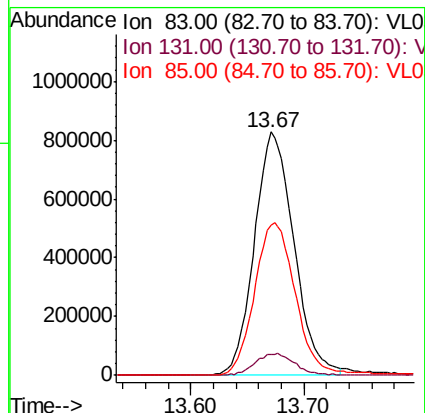
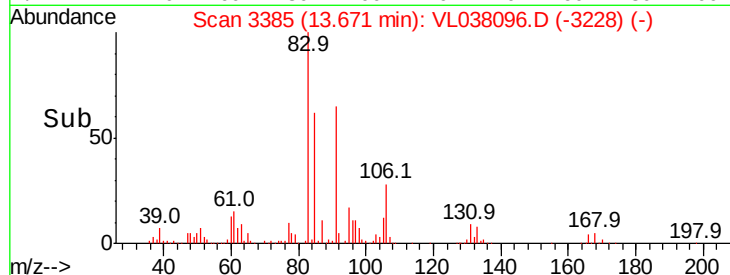
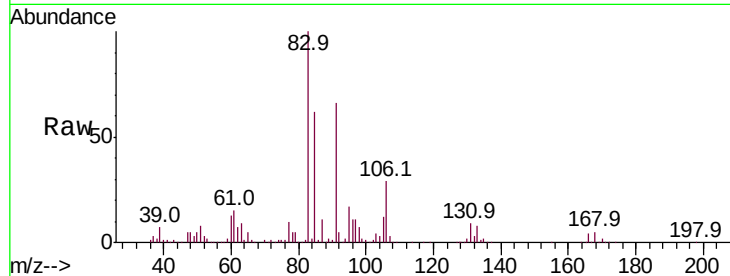
85 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#64

n-propylbenzene

Concen: 8.944 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL038096.D

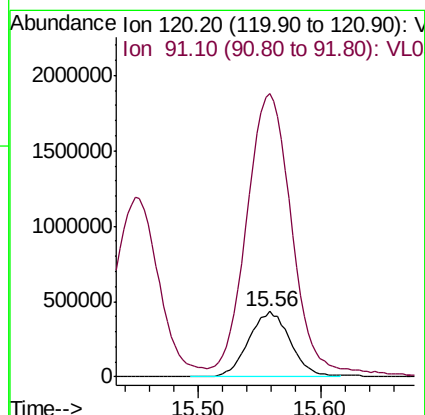
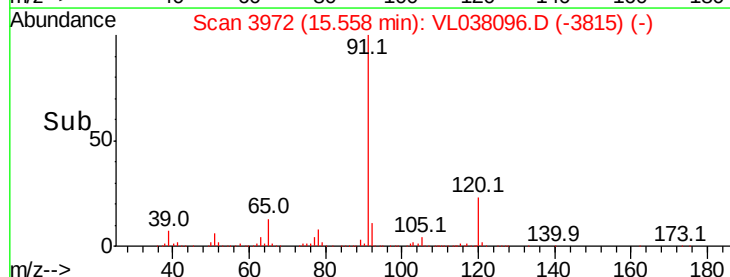
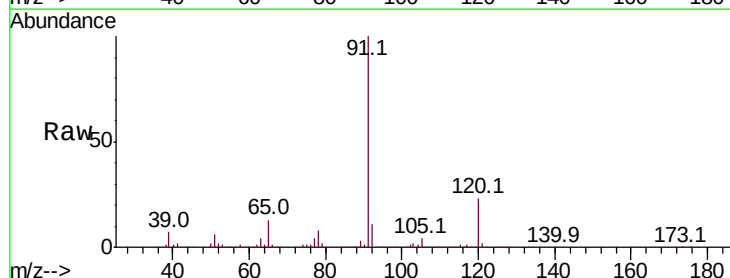
Acq: 23 Nov 2021 12:31

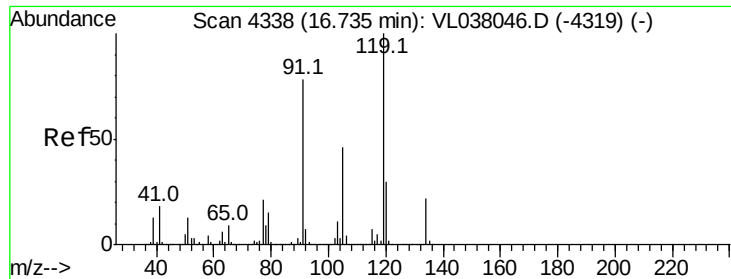
Tgt Ion:120 Resp: 1024630

Ion Ratio Lower Upper

120 100

91 477.0 371.7 557.5



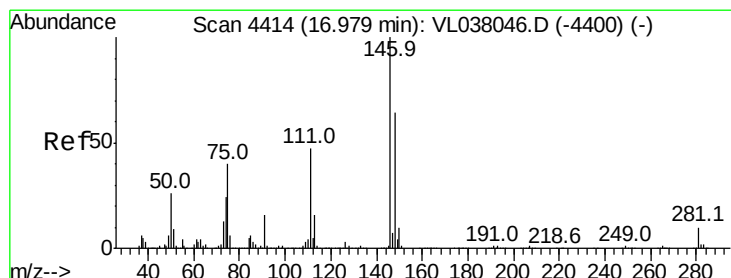
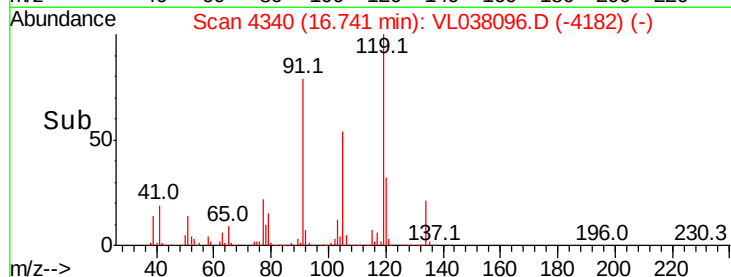
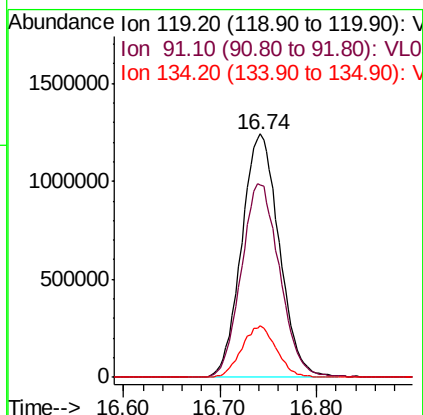
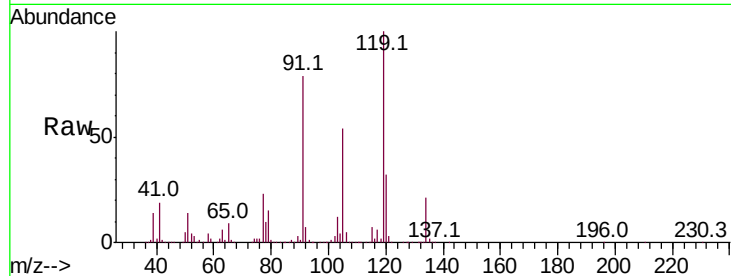


#65  
tert-Butylbenzene  
Concen: 8.447 ppbv  
RT: 16.74 min  
Delta R.T. 0.01 min  
Lab File: VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion: 1  
Ion Ratio  
119 100  
91 81.1  
134 19.1

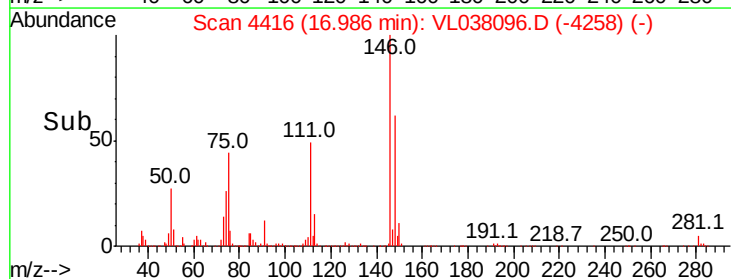
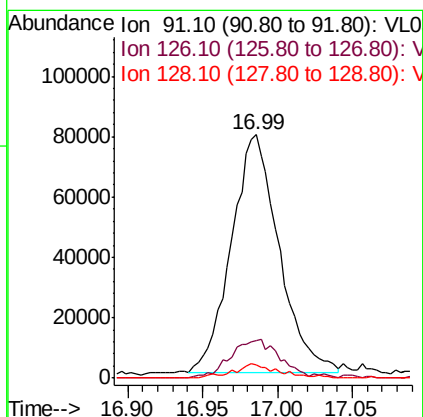
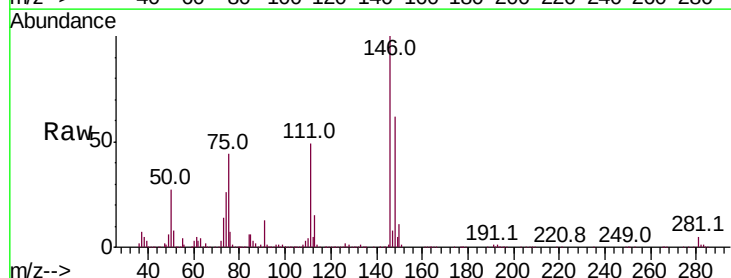
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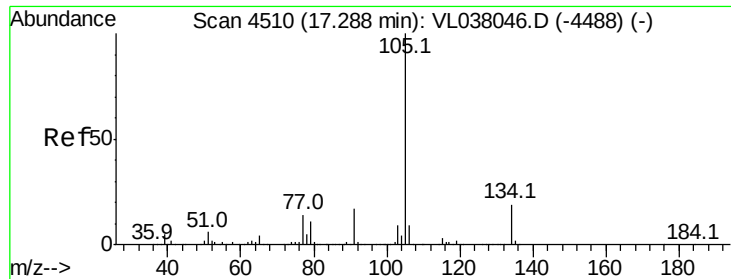
Reviewed By : Semsettin Yesilyurt 11/25/2021  
Supervised By : Mahesh Dadoda 11/29/2021



#66  
Benzyl Chloride  
Concen: 8.691 ppbv  
RT: 16.99 min Scan# 4416  
Delta R.T. 0.01 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion: 91 Resp: 174507  
Ion Ratio Lower Upper  
91 100  
126 18.0 15.5 23.3  
128 5.8 5.6 8.4



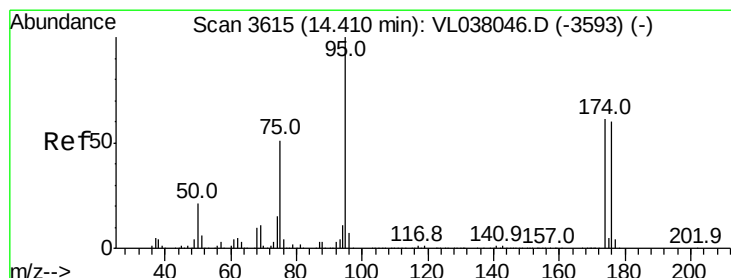
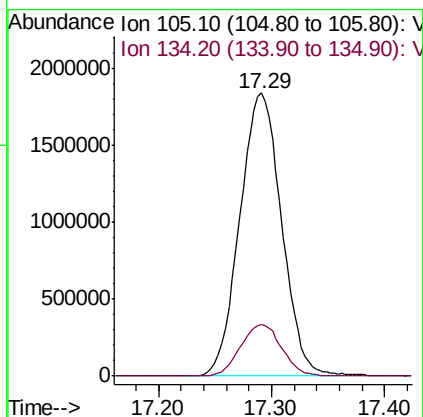
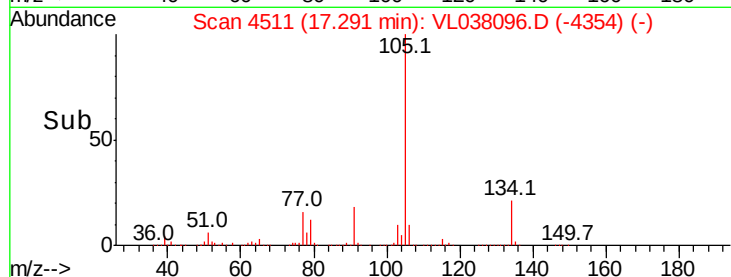
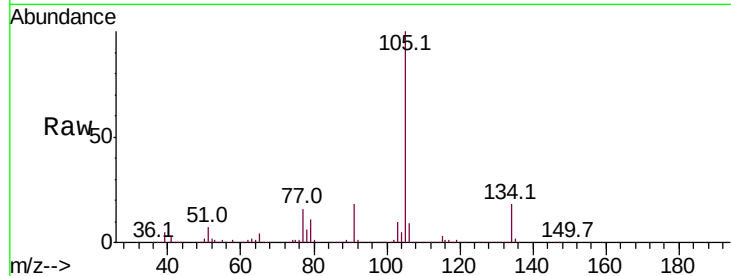


#67  
 sec-Butylbenzene  
 Concen: 8.548 ppbv  
 RT: 17.29  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId : VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion:1  
 Ion Rati  
 105 100  
 134 18.

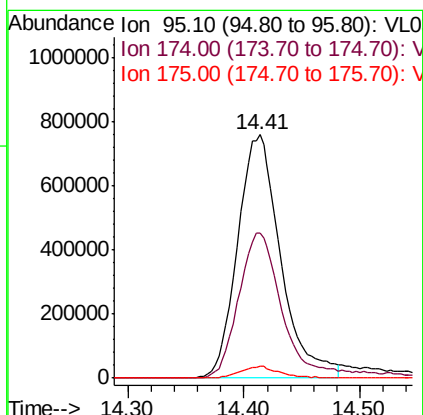
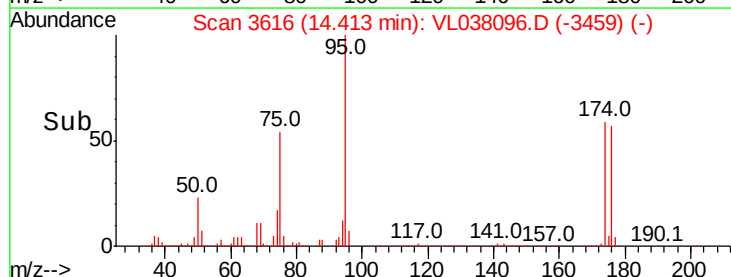
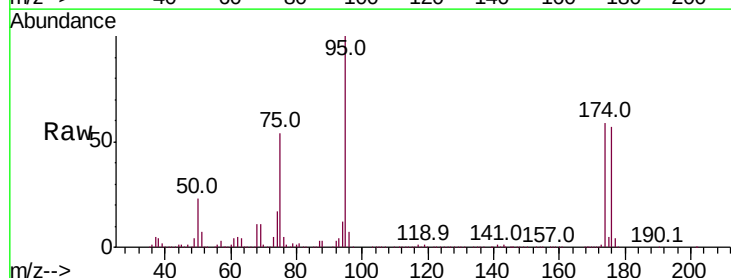
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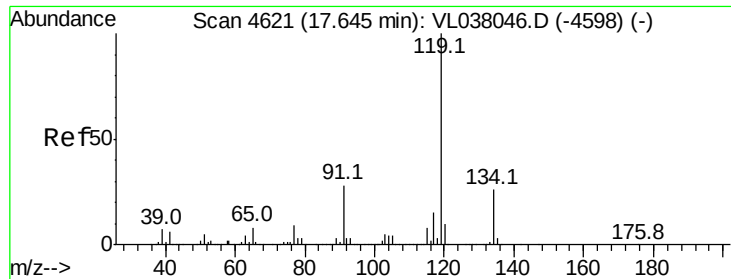
Reviewed By :Semsettin Yesilyurt 11/25/2021  
 Supervised By :Mahesh Dadoda 11/29/2021



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 11.044 ppbv  
 RT: 14.41 min Scan# 3616  
 Delta R.T. 0.00 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion: 95 Resp: 1955386  
 Ion Ratio Lower Upper  
 95 100  
 174 63.3 53.1 79.7  
 175 4.7 4.0 6.0



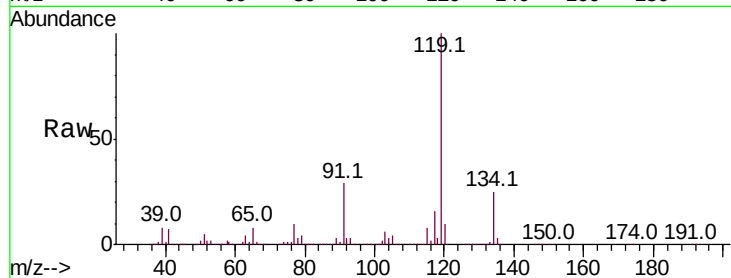


#69  
 p-Isopropyltoluene  
 Concen: 8.735 ppbv  
 RT: 17.64 min  
 Delta R.T.: 0.00 min  
 Lab File: VL1123ABS01  
 Acq: 23 Nov 2021 12:31

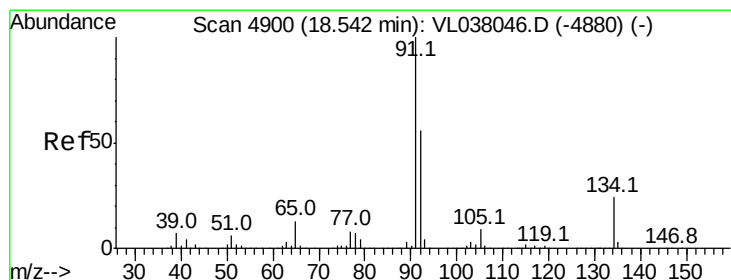
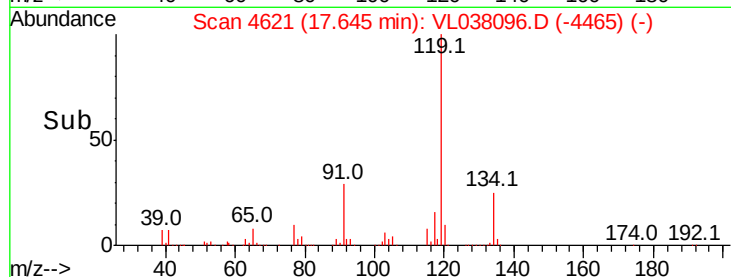
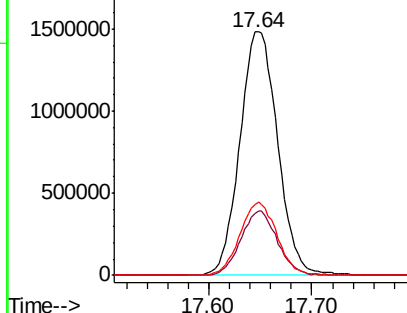
Tot Ion: 1  
 Ion Ratio  
 119 100  
 134 25.1  
 91 29.1

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Reviewed By : Semsettin Yesilyurt 11/25/2021  
 Supervised By : Mahesh Dadoda 11/29/2021

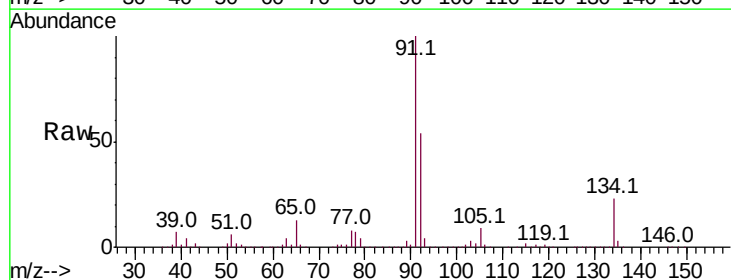


Abundance Ion 119.10 (118.80 to 119.80): V  
 2000000 Ion 134.20 (133.90 to 134.90): V  
 Ion 91.10 (90.80 to 91.80): V

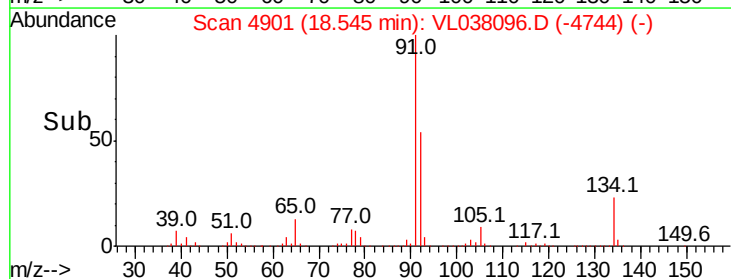
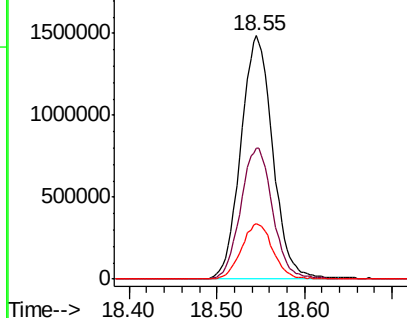


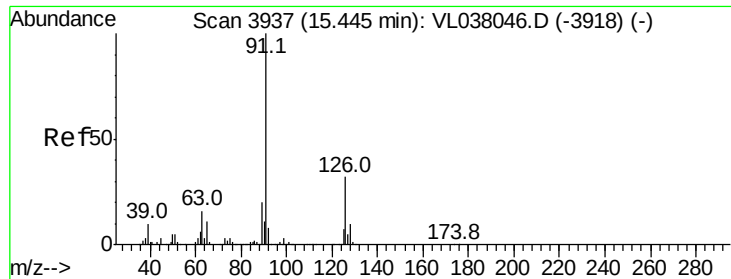
#70  
 n-Butylbenzene  
 Concen: 9.082 ppbv  
 RT: 18.55 min Scan# 4901  
 Delta R.T.: 0.00 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion: 91 Resp: 3749972  
 Ion Ratio Lower Upper  
 91 100  
 92 54.6 44.1 66.1  
 134 22.5 18.9 28.3



Abundance Ion 91.10 (90.80 to 91.80): VL0  
 2000000 Ion 92.10 (91.80 to 92.80): VL0  
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.973 ppbv

RT: 15.45

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 12:31

Tot Ion:

Ion Ratio

91 100

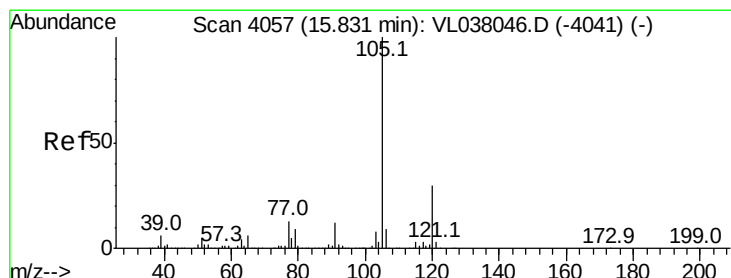
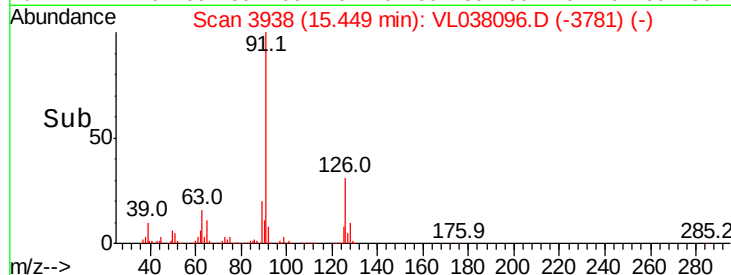
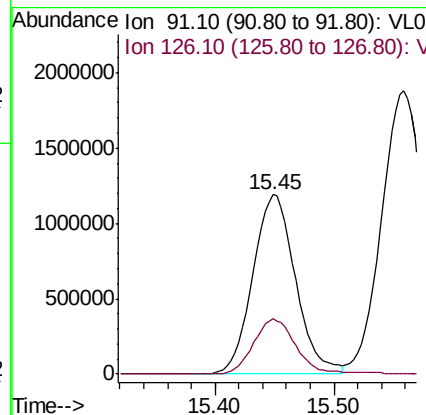
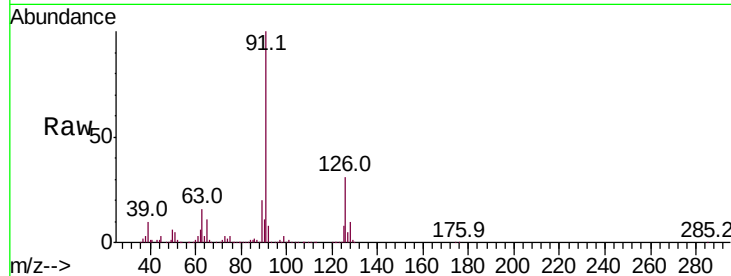
126 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#72

4-Ethyltoluene

Concen: 9.141 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.00 min

Lab File: VL038096.D

Acq: 23 Nov 2021 12:31

Tgt Ion:105 Resp: 3357601

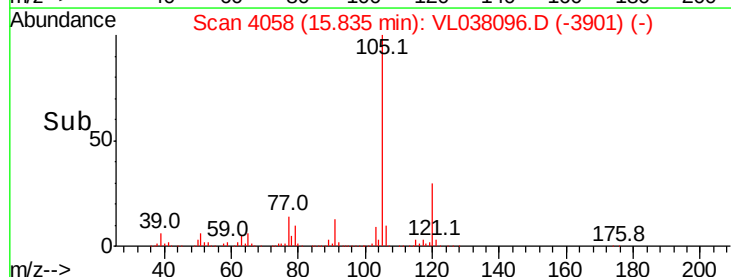
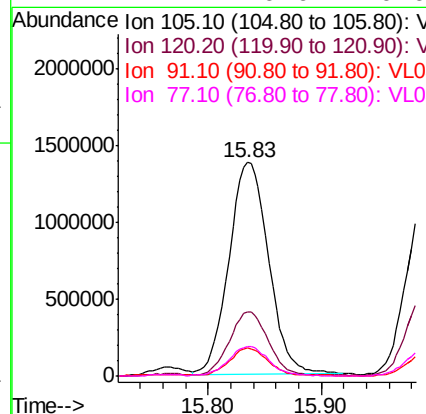
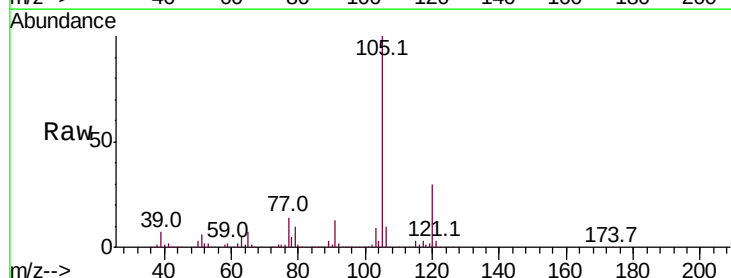
Ion Ratio Lower Upper

105 100

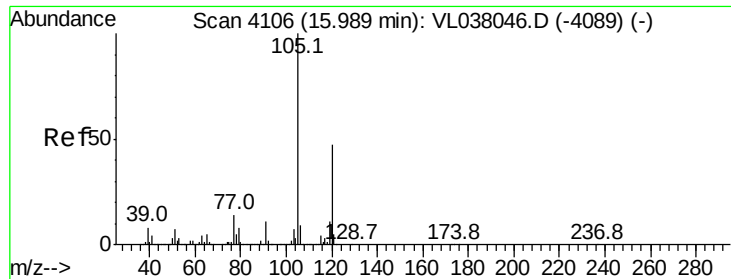
120 30.3 25.1 37.7

91 12.6 9.7 14.5

77 14.2 10.6 16.0





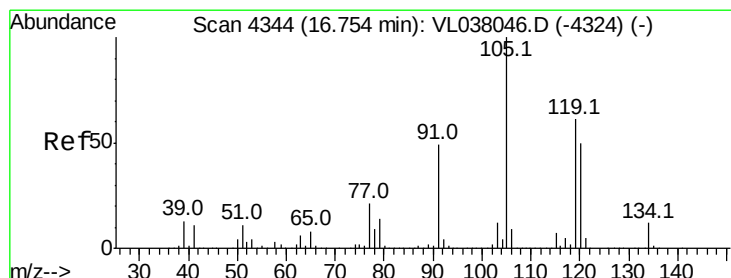
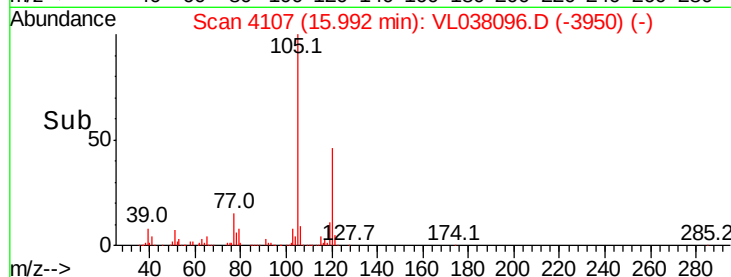
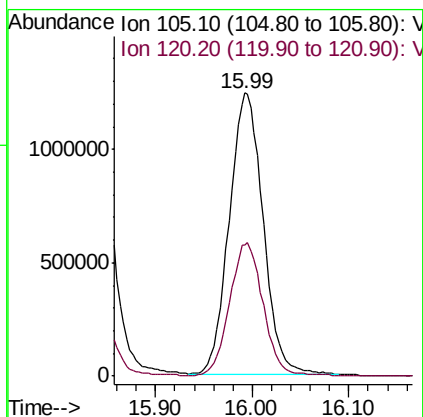
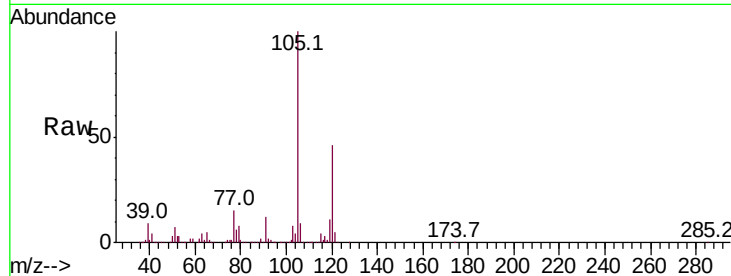


#73  
 1,3,5-Trimethylbenzene  
 Concen: 9.037 ppbv  
 RT: 15.99 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId : VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion:1  
 Ion Rati  
 105 100  
 120 46.

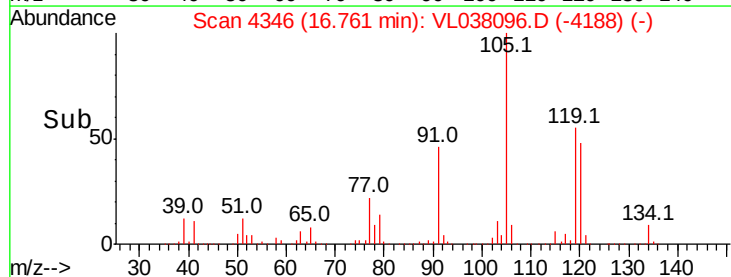
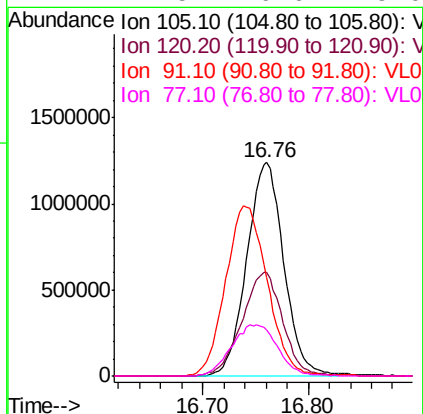
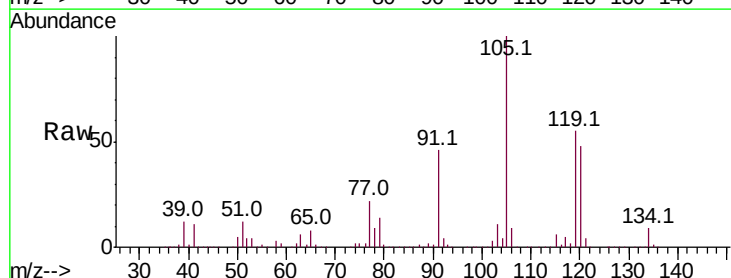
Manual Integrations  
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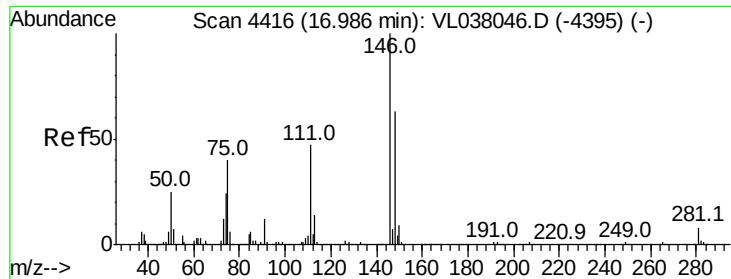
Reviewed By :Semsettin Yesilyurt 11/25/2021  
 Supervised By :Mahesh Dadoda 11/29/2021



#74  
 1,2,4-Trimethylbenzene  
 Concen: 8.760 ppbv  
 RT: 16.76 min Scan# 4346  
 Delta R.T. 0.01 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion:105 Resp: 3028284  
 Ion Ratio Lower Upper  
 105 100  
 120 48.3 40.1 60.1  
 91 45.6 39.8 59.8  
 77 21.5 16.6 25.0



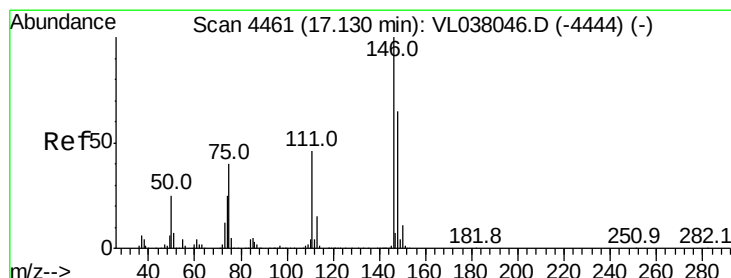
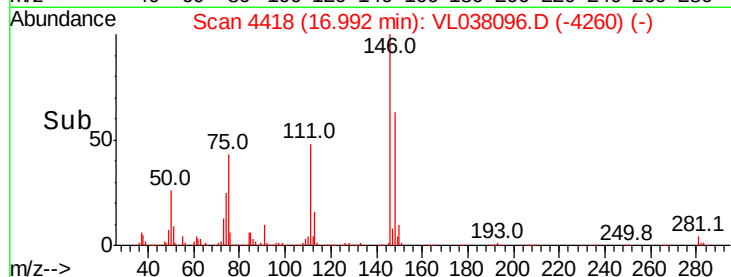
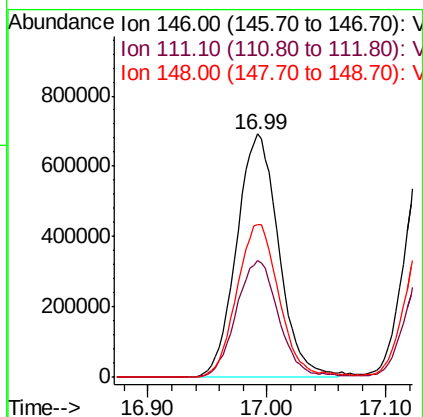
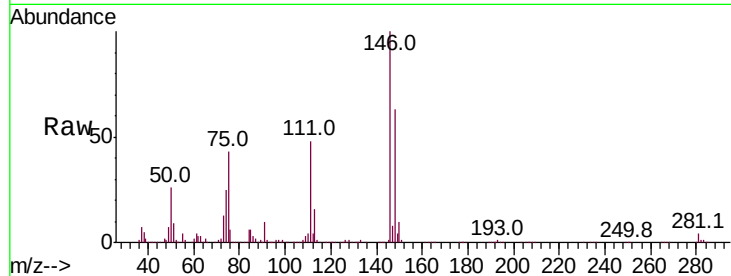


#75  
 1,3-Dichlorobenzene  
 Concen: 8.907 ppbv  
 RT: 16.99 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampled : VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion:1  
 Ion Rati  
 146 100  
 111 48.  
 148 63.

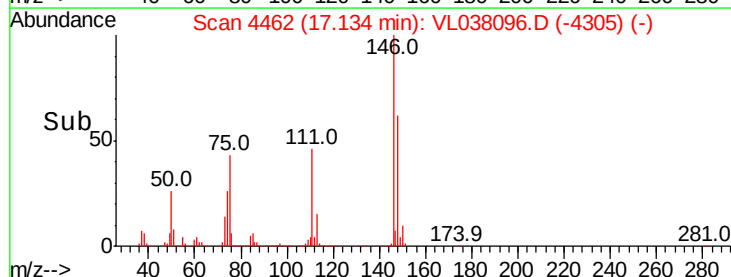
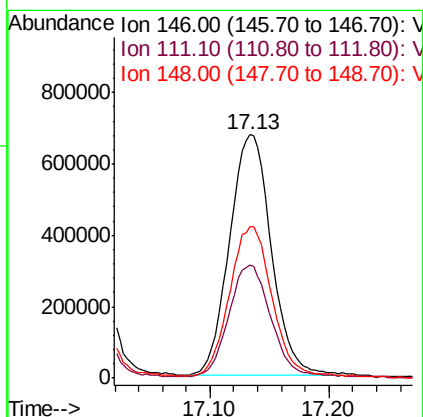
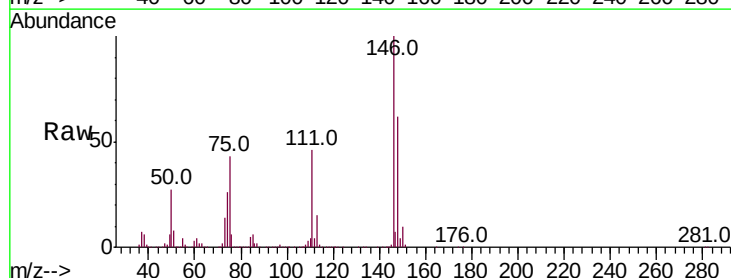
Manual Integrations  
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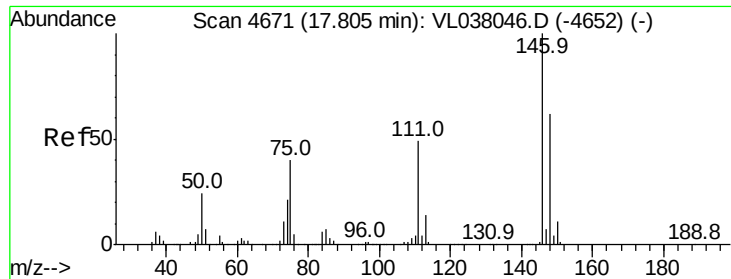
Reviewed By :Semsettin Yesilyurt 11/25/2021  
 Supervised By :Mahesh Dadoda 11/29/2021



#76  
 1,4-Dichlorobenzene  
 Concen: 8.563 ppbv  
 RT: 17.13 min Scan# 4462  
 Delta R.T. 0.00 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion:146 Resp: 1636169  
 Ion Ratio Lower Upper  
 146 100  
 111 48.4 23.8 71.5  
 148 65.2 33.2 99.6



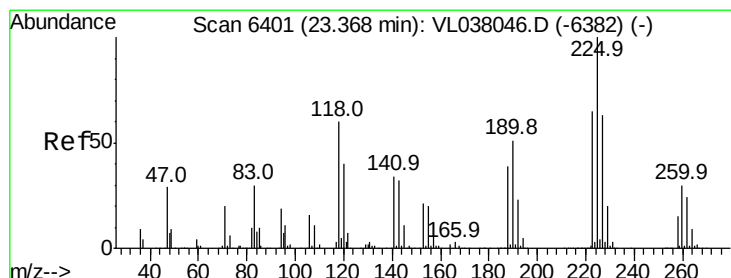
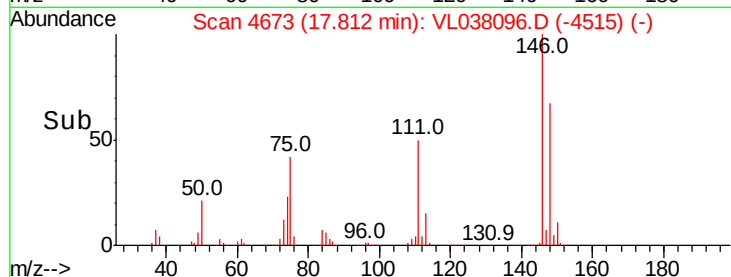
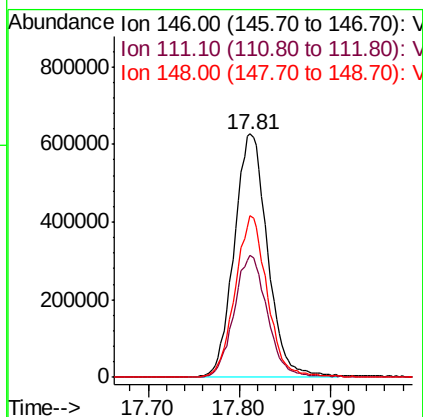
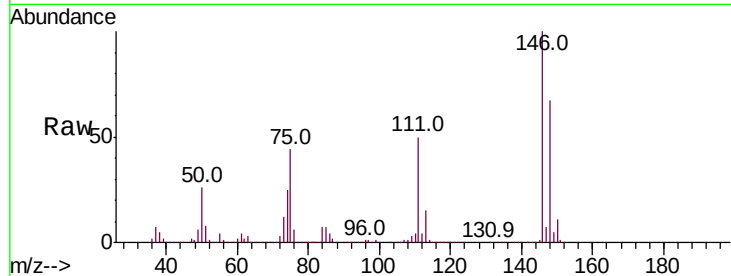


#77  
 1,2-Dichlorobenzene  
 Concen: 8.617 ppbv  
 RT: 17.81 min  
 Delta R.T.: 0.00 min  
 Lab File: VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion: 1  
 Ion Ratio  
 146 100  
 111 50.0  
 148 64.0

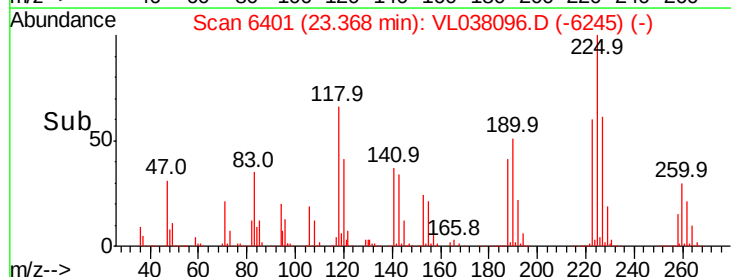
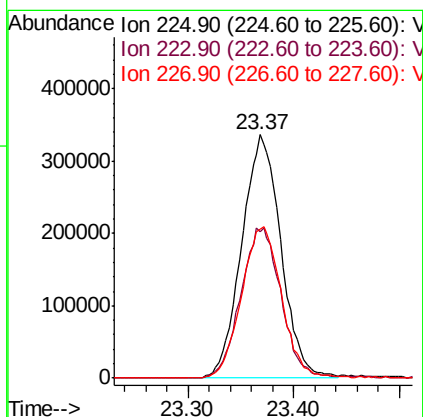
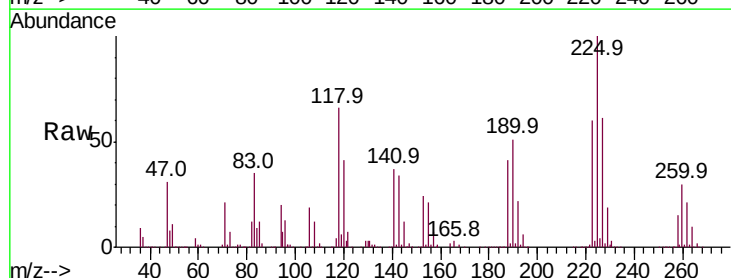
Manual Integrations  
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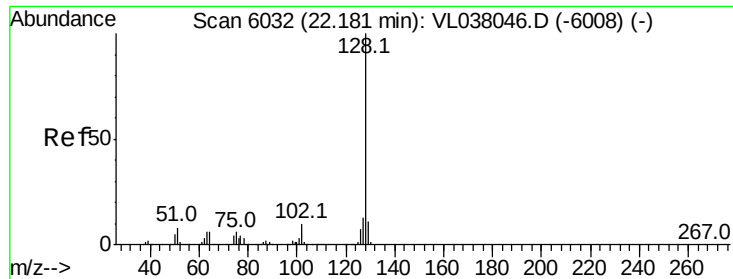
Reviewed By : Semsettin Yesilyurt 11/25/2021  
 Supervised By : Mahesh Dadoda 11/29/2021



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 7.573 ppbv  
 RT: 23.37 min Scan# 6401  
 Delta R.T.: 0.00 min  
 Lab File: VL038096.D  
 Acq: 23 Nov 2021 12:31

Tgt Ion: 225 Resp: 869307  
 Ion Ratio Lower Upper  
 225 100  
 223 63.9 52.3 78.5  
 227 64.1 52.4 78.6



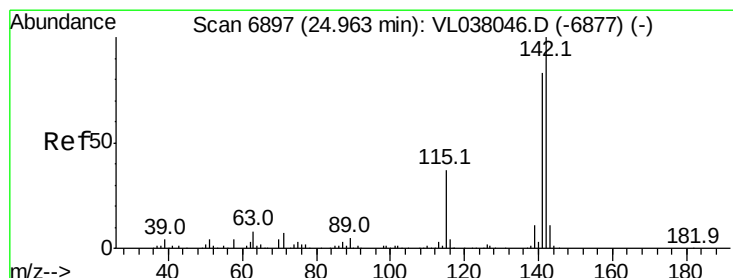
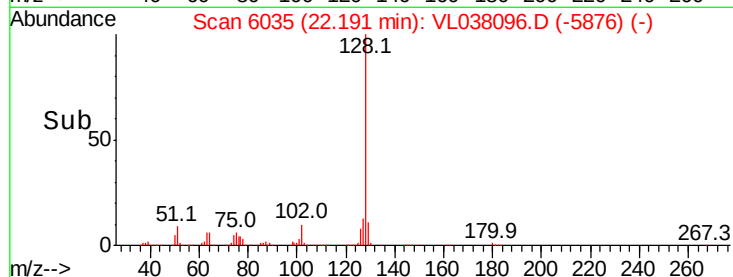
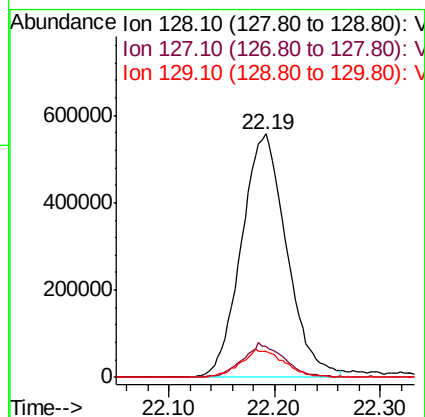
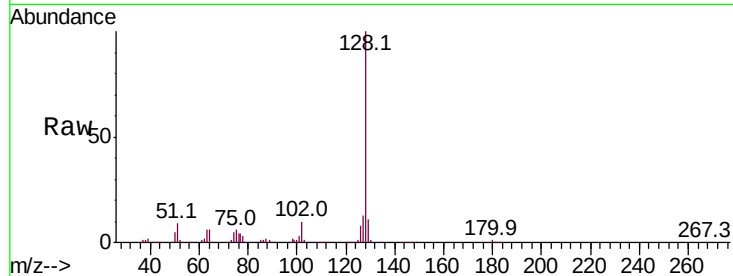


#79  
Naphthalene  
Concen: 9.117 ppbv  
RT: 22.19  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId : VL1123ABS01  
Acq: 23 Nov 2021 12:31

Tot Ion:1  
Ion Rati  
128 100  
127 12.  
129 10.

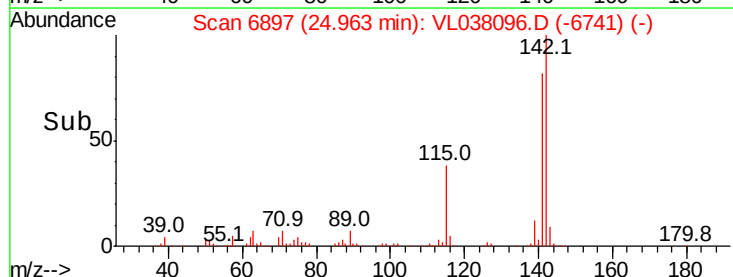
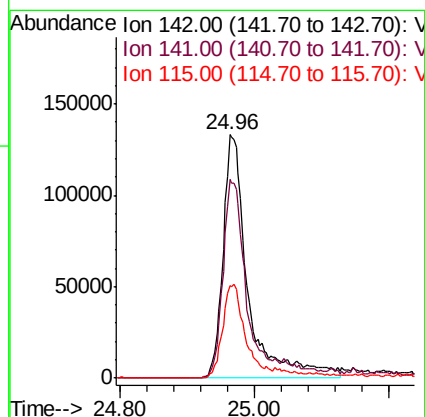
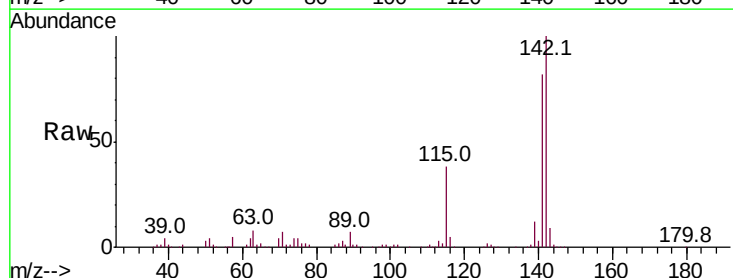
Manual Integrations  
APPROVED

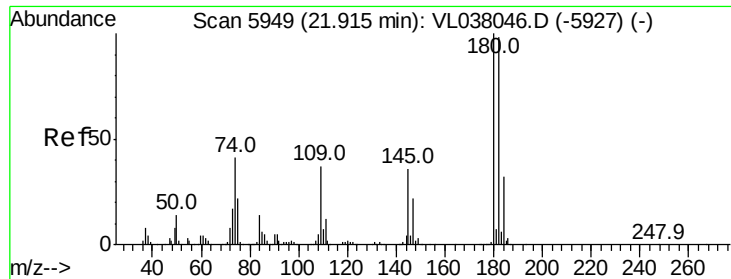
Reviewed By :Semsettin Yesilyurt 11/25/2021  
Supervised By :Mahesh Dadoda 11/29/2021



#80  
Naphthalene, 2-methyl-  
Concen: 8.891 ppbv  
RT: 24.96 min Scan# 6897  
Delta R.T. 0.00 min  
Lab File: VL038096.D  
Acq: 23 Nov 2021 12:31

Tgt Ion:142 Resp: 346886  
Ion Ratio Lower Upper  
142 100  
141 83.3 67.3 100.9  
115 38.5 28.9 43.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.554 ppbv  
 RT: 21.92  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 VL1123ABS01  
 Acq: 23 Nov 2021 12:31

Tot Ion:1  
 Ion Rati  
 180 100  
 182 100.  
 184 31.

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021  
 Supervised By :Mahesh Dadoda 11/29/2021

