

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\  
 Data File : VL038794.D  
 Acq On : 30 Mar 2022 12:18  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Quant Time: Mar 31 04:08:35 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Mar 21 17:09:26 2022  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 845140   | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2276939  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 2090882m | 10.00 | ppbv  | -0.01    |

## System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 1579019  | 9.85     | ppbv | -0.01  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.50% |

## Target Compounds

|                                | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.04 | 85   | 925245   | 8.144  | ppbv   | 100    |
| 3) Chlorodifluoromethane       | 2.98 | 51   | 897594   | 10.056 | ppbv   | 99     |
| 4) Chloromethane               | 3.13 | 50   | 492432   | 10.048 | ppbv   | 100    |
| 5) Vinyl Chloride              | 3.25 | 62   | 491598   | 9.872  | ppbv   | 100    |
| 6) Bromomethane                | 3.47 | 94   | 286689   | 10.800 | ppbv   | 100    |
| 7) Chloroethane                | 3.55 | 64   | 171803   | 10.422 | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane   | 3.18 | 85   | 1176570  | 10.372 | ppbv   | 98     |
| 9) Propene                     | 3.01 | 41   | 419829   | 9.742  | ppbv   | 100    |
| 10) Heptane                    | 8.11 | 43   | 1062688  | 10.316 | ppbv   | 98     |
| 11) Trichlorofluoromethane     | 3.94 | 101  | 1115967  | 11.129 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101  | 883741   | 11.449 | ppbv   | 98     |
| 13) Ethanol                    | 3.61 | 45   | 39273m   | 8.262  | ppbv   |        |
| 14) Bromoethene                | 3.73 | 108  | 384799   | 11.217 | ppbv   | 97     |
| 15) Acetone                    | 3.84 | 43   | 760985   | 10.435 | ppbv   | 100    |
| 16) 1,3-Butadiene              | 3.32 | 39   | 424936   | 10.268 | ppbv   | 97     |
| 17) tert-Butyl alcohol         | 4.27 | 59   | 850598   | 13.355 | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.28 | 96   | 398193   | 11.483 | ppbv   | 96     |
| 19) Isopropyl Alcohol          | 3.96 | 45   | 447323   | 11.064 | ppbv   | 99     |
| 20) Methylene Chloride         | 4.33 | 84   | 336291   | 10.948 | ppbv   | 100    |
| 21) Allyl Chloride             | 4.40 | 41   | 618522   | 11.785 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene   | 4.87 | 96   | 438010   | 12.178 | ppbv   | 98     |
| 23) Vinyl Acetate              | 5.06 | 43   | 899868   | 12.743 | ppbv   | 100    |
| 24) 1,1-Dichloroethane         | 5.00 | 63   | 796884   | 11.459 | ppbv   | 99     |
| 25) Ethyl Acetate              | 5.66 | 43   | 1885696  | 10.272 | ppbv   | 100    |
| 26) Hexane                     | 5.67 | 57   | 836671   | 10.180 | ppbv   | 99     |
| 27) Carbon Disulfide           | 4.54 | 76   | 1031195  | 12.790 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether    | 5.02 | 73   | 749475   | 12.242 | ppbv   | 99     |
| 29) Chloroform                 | 5.74 | 83   | 1361574  | 10.347 | ppbv   | 98     |
| 30) Cyclohexane                | 7.11 | 84   | 735092   | 10.287 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene     | 5.54 | 61   | 779837   | 10.091 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane      | 6.49 | 97   | 1369813  | 10.786 | ppbv   | 99     |
| 34) 2-Butanone                 | 5.23 | 43   | 914358   | 10.146 | ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.00 | 117  | 1439892  | 10.899 | ppbv   | 99     |
| 36) Benzene                    | 6.87 | 78   | 1808609  | 10.292 | ppbv   | 100    |
| 37) 1,2-Dichloroethane         | 6.29 | 62   | 947876   | 10.604 | ppbv   | 100    |
| 38) Trichloroethene            | 7.82 | 130  | 793709   | 10.782 | ppbv   | 98     |
| 39) 1,2-Dichloropropane        | 7.59 | 63   | 689322   | 10.034 | ppbv   | 99     |
| 40) 1,4-Dioxane                | 7.82 | 88   | 172947   | 7.249  | ppbv # | 13     |
| 41) Tetrahydrofuran            | 6.03 | 42   | 683608   | 10.192 | ppbv   | 97     |
| 42) Bromodichloromethane       | 7.77 | 83   | 1466772  | 10.944 | ppbv   | 100    |
| 43) Methyl Methacrylate        | 8.00 | 69   | 721105   | 11.053 | ppbv   | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\  
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 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

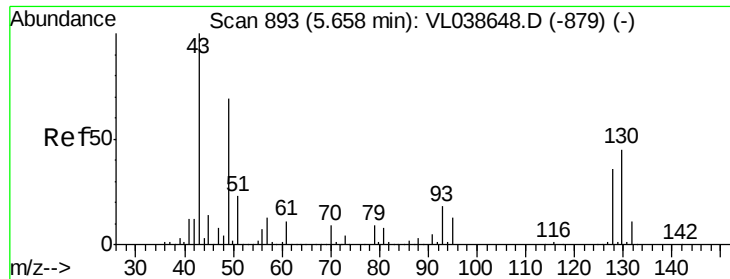
Reviewed By : Semsettin Yesilyurt 04/02/2022  
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Mar 31 04:08:35 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Mar 21 17:09:26 2022  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.85  | 57   | 2910549  | 9.864  | ppbv   | 100      |
| 45) t-1,3-Dichloropropene     | 9.26  | 75   | 836862   | 12.616 | ppbv   | 100      |
| 46) cis-1,3-Dichloropropene   | 8.68  | 75   | 1042432  | 11.621 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.46  | 97   | 748642   | 10.207 | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.28 | 129  | 1308610  | 11.390 | ppbv   | 99       |
| 49) Bromoform                 | 13.02 | 173  | 1079433  | 11.528 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.72  | 43   | 1747286  | 10.429 | ppbv   | 99       |
| 51) 2-Hexanone                | 10.11 | 43   | 1340054  | 11.135 | ppbv # | 99       |
| 52) Tetrachloroethene         | 11.20 | 164  | 668773   | 10.400 | ppbv   | 96       |
| 53) Toluene                   | 9.79  | 91   | 2070911  | 10.968 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.59 | 107  | 1113507  | 11.118 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.10 | 131  | 914330   | 10.548 | ppbv   | 99       |
| 57) Chlorobenzene             | 12.13 | 112  | 1531631  | 10.156 | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.69 | 91   | 2692443  | 11.015 | ppbv   | 100      |
| 59) m/p-Xylene                | 12.98 | 91   | 4525926m | 21.167 | ppbv   |          |
| 60) o-Xylene                  | 13.67 | 91   | 2149339  | 10.587 | ppbv   | 100      |
| 61) Styrene                   | 13.51 | 104  | 1295639  | 11.768 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.64 | 105  | 3157751  | 10.346 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.65 | 83   | 1400319  | 8.905  | ppbv   | 98       |
| 64) n-propylbenzene           | 15.54 | 120  | 834413   | 10.419 | ppbv   | 93       |
| 65) tert-Butylbenzene         | 16.72 | 119  | 2804364  | 10.226 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.97 | 91   | 721358   | 13.891 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 17.27 | 105  | 3989887  | 10.173 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.63 | 119  | 3350482  | 10.467 | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.53 | 91   | 3490593  | 10.572 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.43 | 91   | 2297185  | 10.141 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.82 | 105  | 2656123  | 11.083 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 15.97 | 105  | 2313229  | 10.593 | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.74 | 105  | 2464328  | 10.360 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.97 | 146  | 1543786  | 10.190 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.11 | 146  | 1507082  | 10.002 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.79 | 146  | 1505073  | 10.028 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.35 | 225  | 1288944  | 9.292  | ppbv   | 99       |
| 79) Naphthalene               | 22.17 | 128  | 2378958  | 13.090 | ppbv   | 99       |
| 80) Naphthalene, 2-methyl-    | 24.95 | 142  | 559735   | 11.486 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.90 | 180  | 1393534  | 11.201 | ppbv   | 98       |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

49 100

128 53.

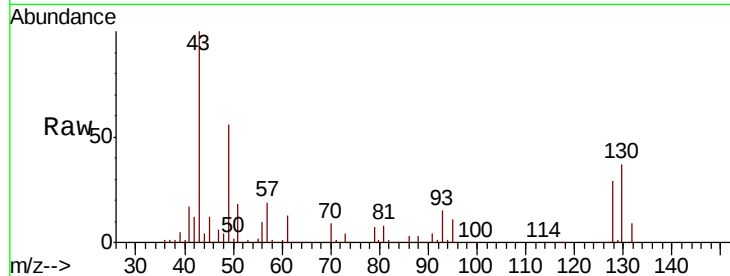
130 69.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

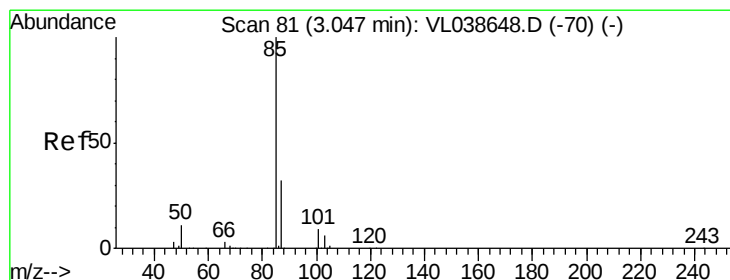
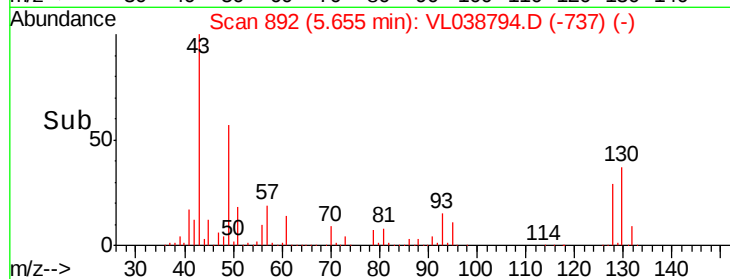
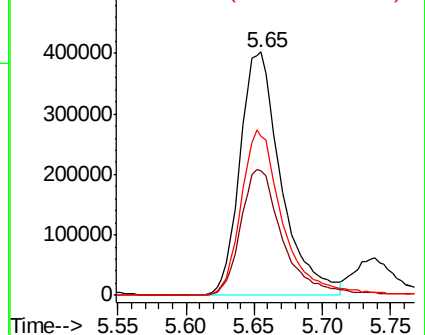
Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.144 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL038794.D

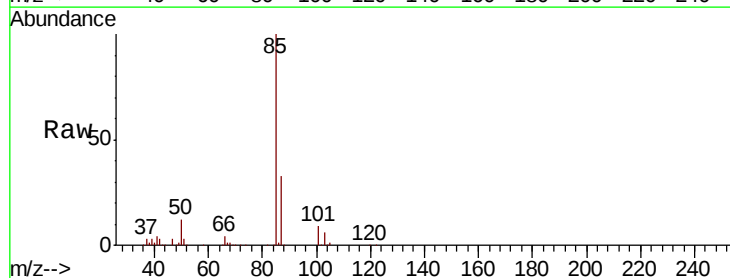
Acq: 30 Mar 2022 12:18

Tgt Ion: 85 Resp: 925245

Ion Ratio Lower Upper

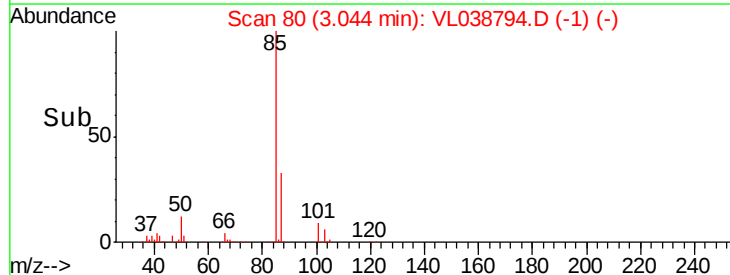
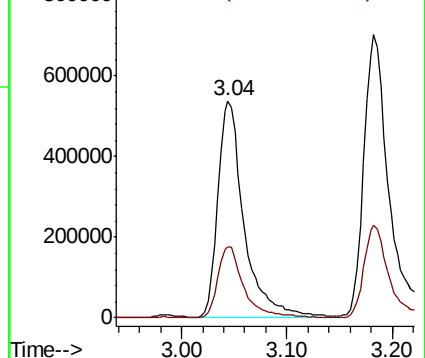
85 100

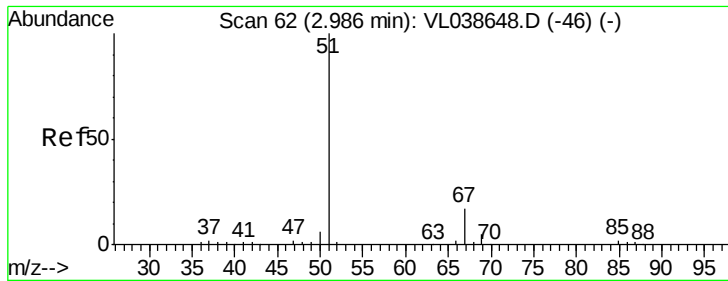
87 32.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.056 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

51 100

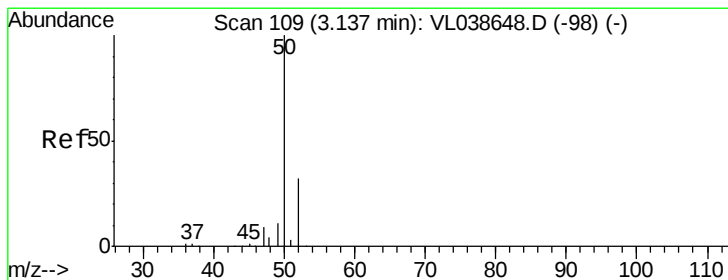
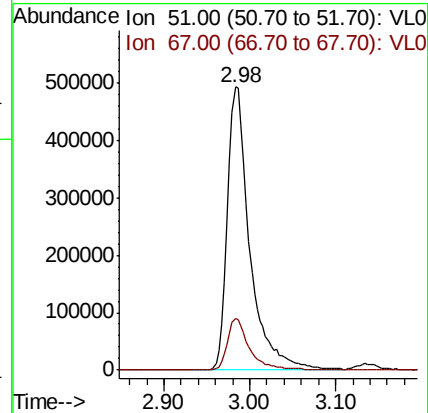
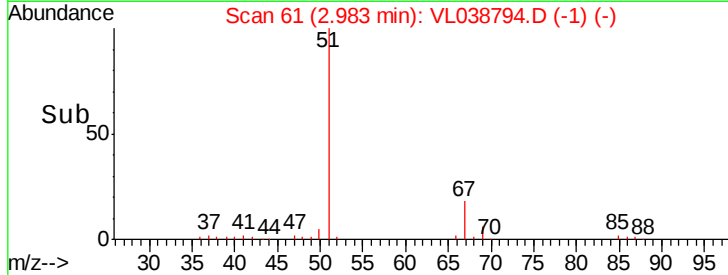
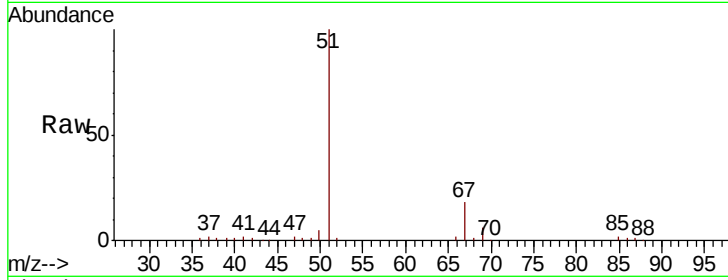
67 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#4

Chloromethane

Concen: 10.048 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL038794.D

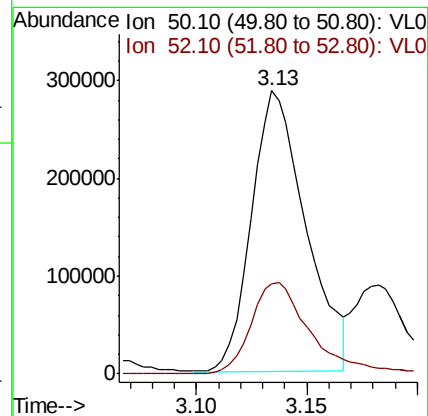
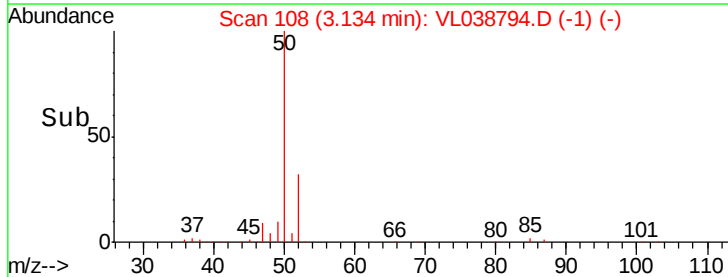
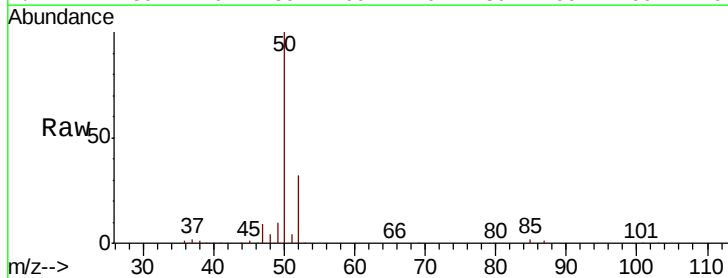
Acq: 30 Mar 2022 12:18

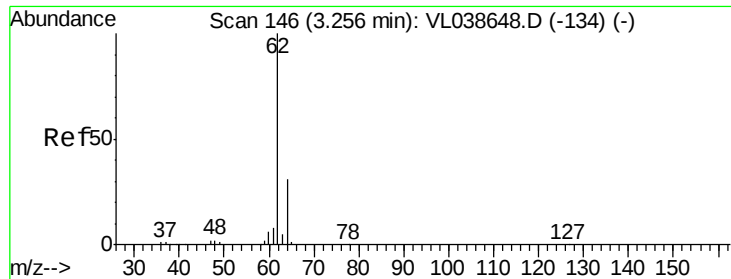
Tgt Ion: 50 Resp: 492432

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3





#5

Vinyl Chloride

Concen: 9.872 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

62 100

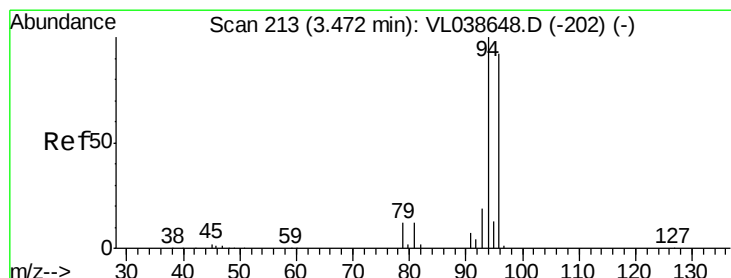
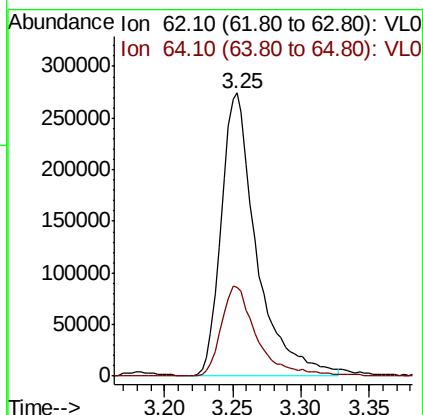
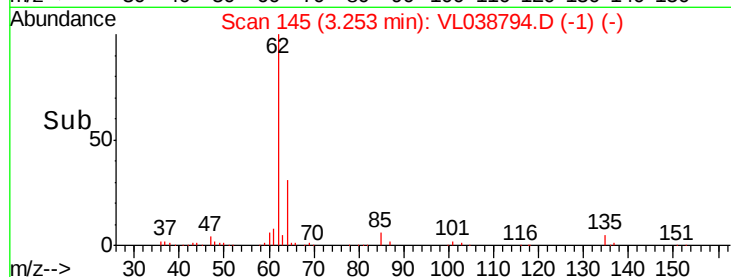
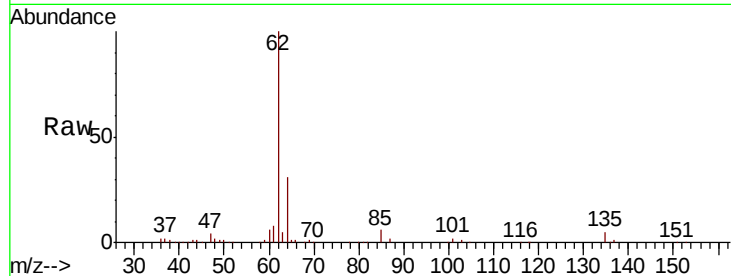
64 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#6

Bromomethane

Concen: 10.800 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL038794.D

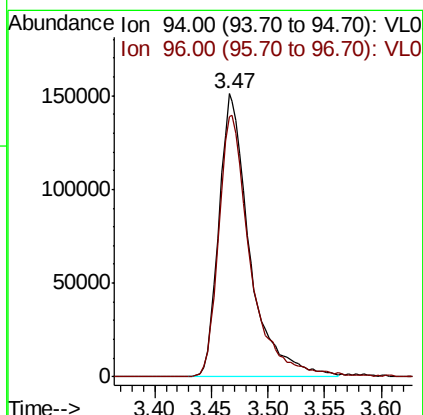
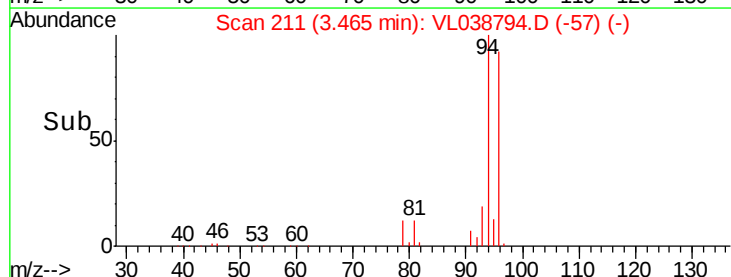
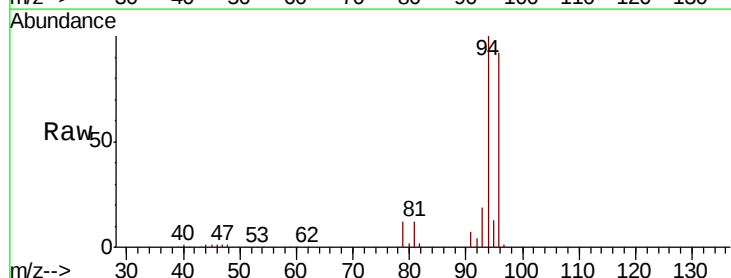
Acq: 30 Mar 2022 12:18

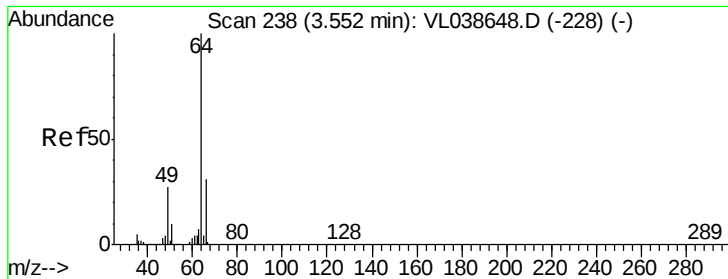
Tgt Ion: 94 Resp: 286689

Ion Ratio Lower Upper

94 100

96 91.9 73.3 109.9





#7

Chloroethane

Concen: 10.422 ppbv

RT: 3.55 Instrument: MSVOA\_L

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

64 100

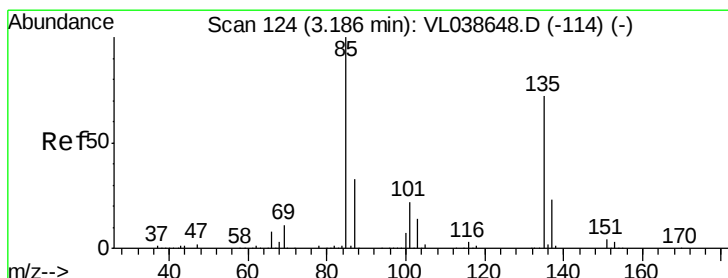
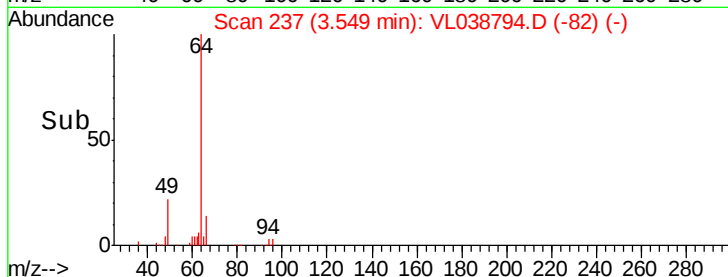
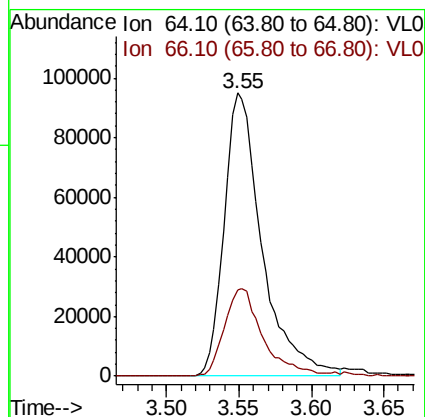
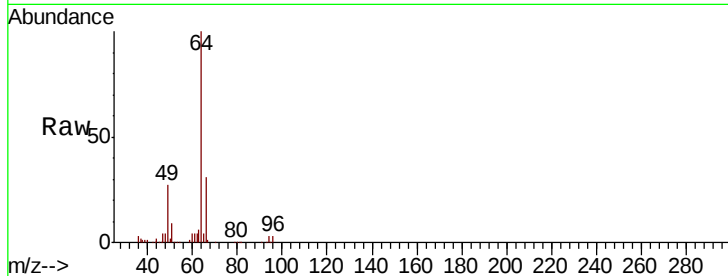
66 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#8

Dichlorotetrafluoroethane

Concen: 10.372 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL038794.D

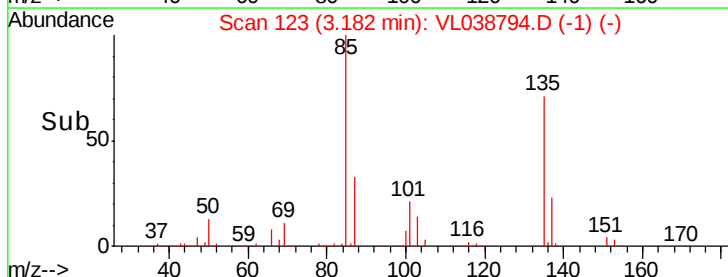
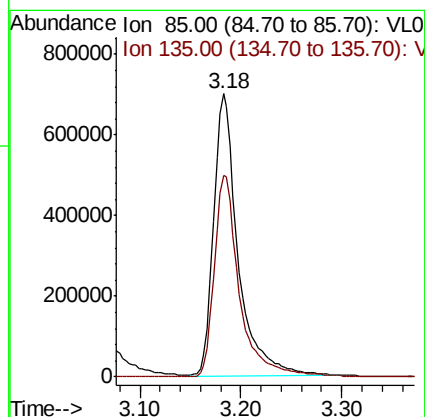
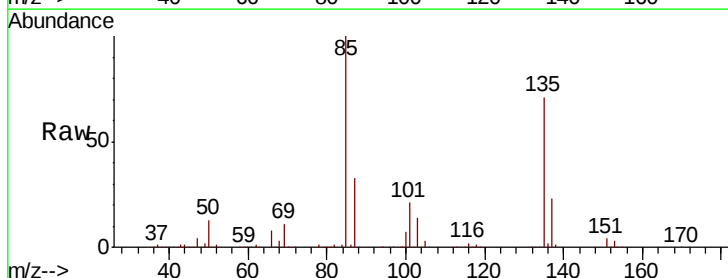
Acq: 30 Mar 2022 12:18

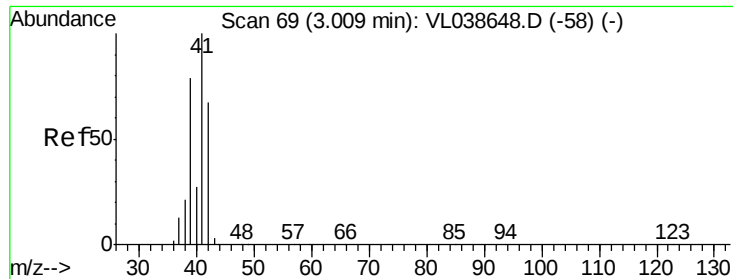
Tgt Ion: 85 Resp: 1176570

Ion Ratio Lower Upper

85 100

135 74.2 57.8 86.6



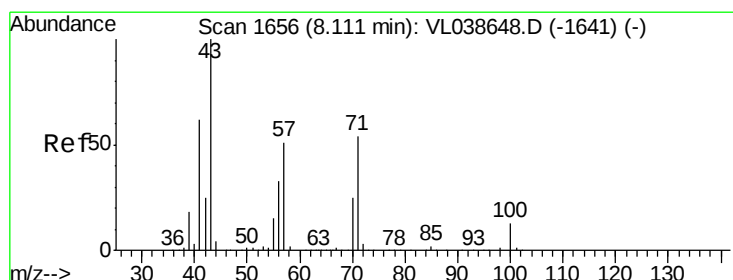
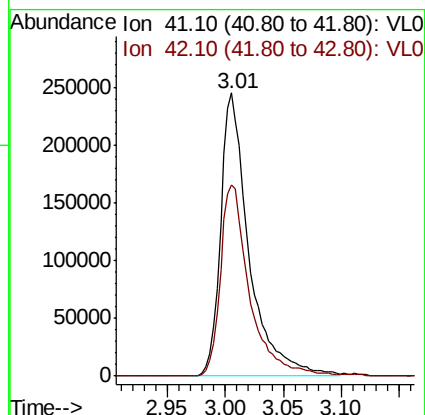
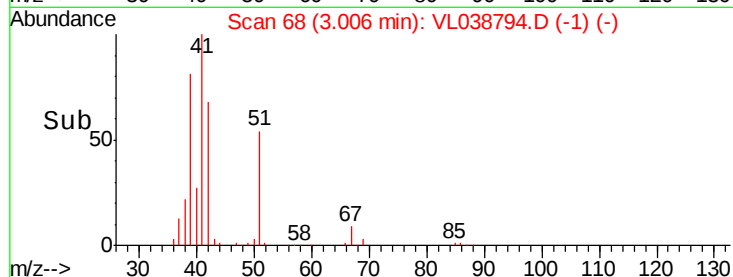
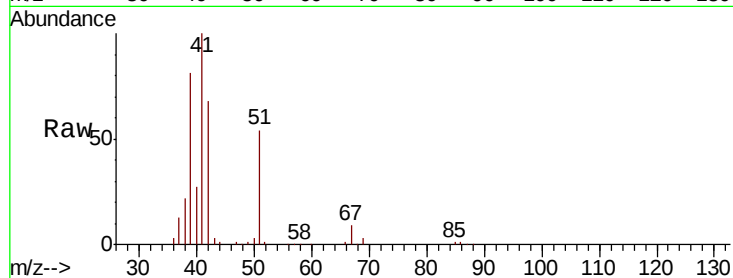


#9  
 Propene  
 Concen: 9.742 ppbv  
 RT: 3.01  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 41 100  
 42 69.

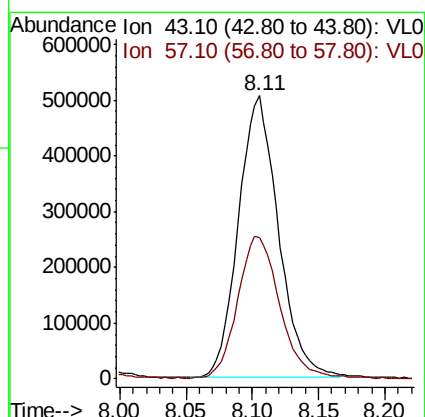
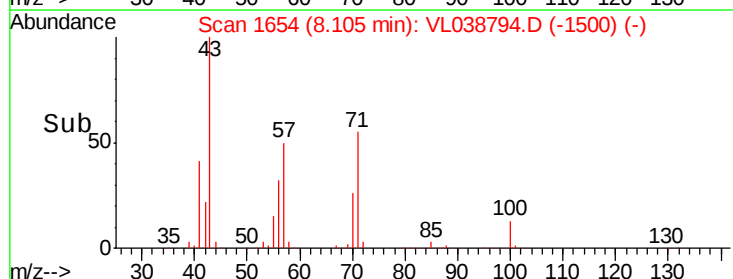
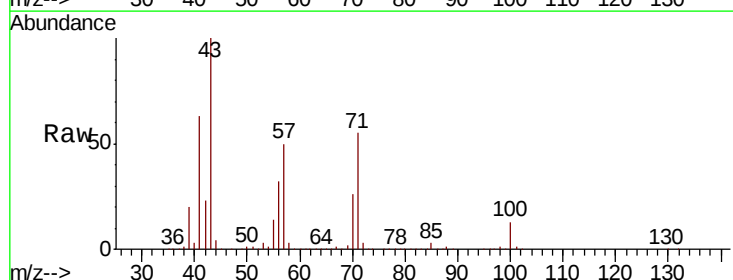
Manual Integrations  
 APPROVED

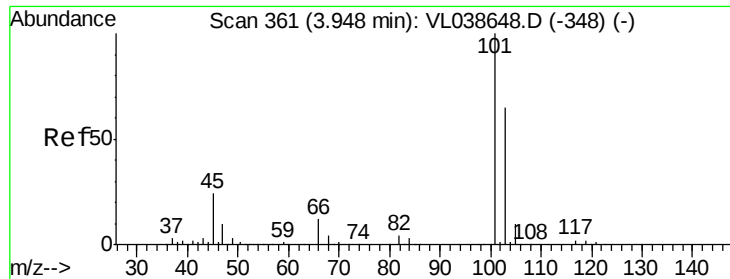
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#10  
 Heptane  
 Concen: 10.316 ppbv  
 RT: 8.11 min Scan# 1654  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion: 43 Resp: 1062688  
 Ion Ratio Lower Upper  
 43 100  
 57 53.4 41.4 62.2



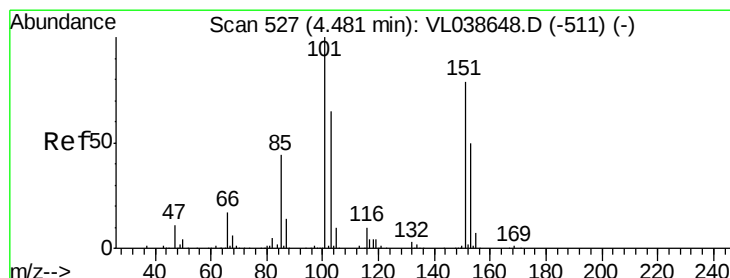
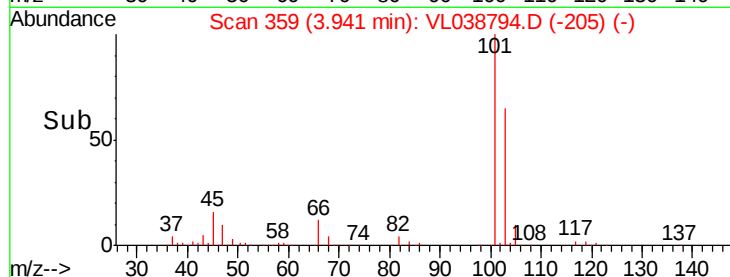
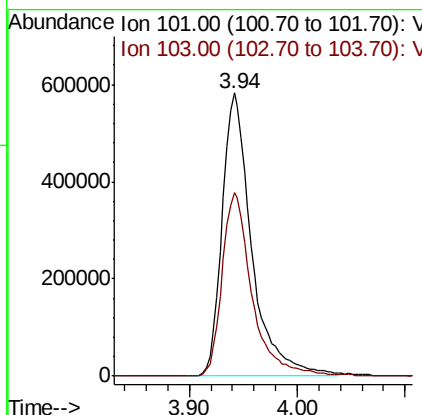
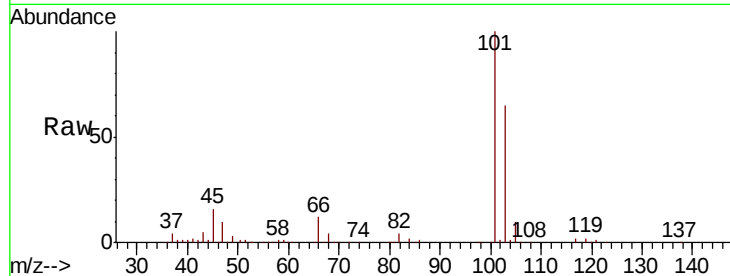


#11  
 Trichlorofluoromethane  
 Concen: 11.129 ppbv  
 RT: 3.94 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:1  
 Ion Rati  
 101 100  
 103 65.

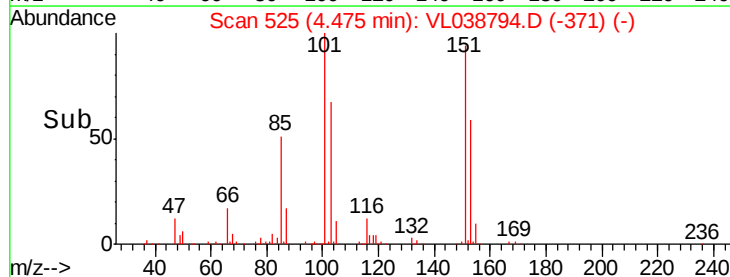
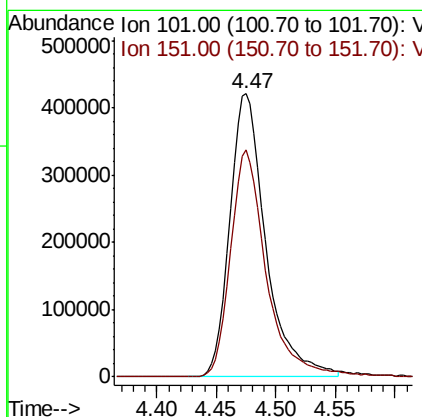
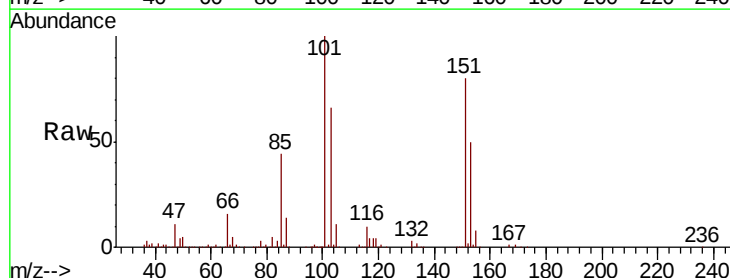
Manual Integrations  
 APPROVED

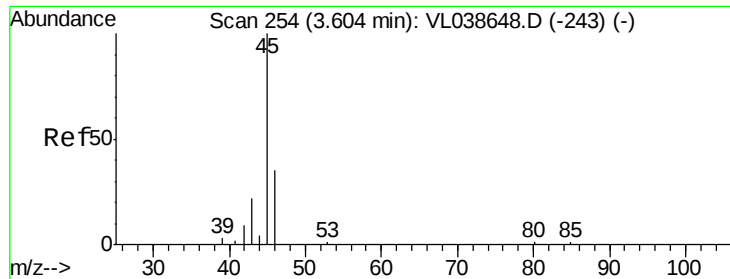
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 11.449 ppbv  
 RT: 4.47 min Scan# 525  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:101 Resp: 883741  
 Ion Ratio Lower Upper  
 101 100  
 151 80.1 62.9 94.3





#13

Ethanol

Concen: 8.262 ppbv m

RT: 3.61 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

45 100

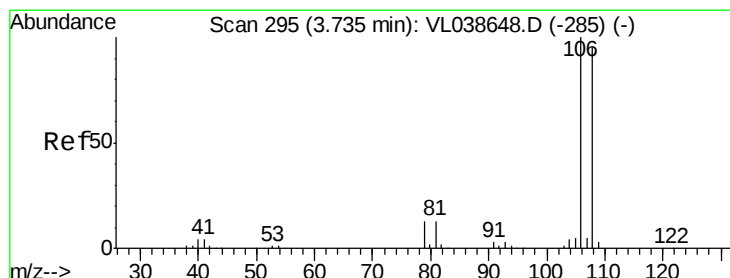
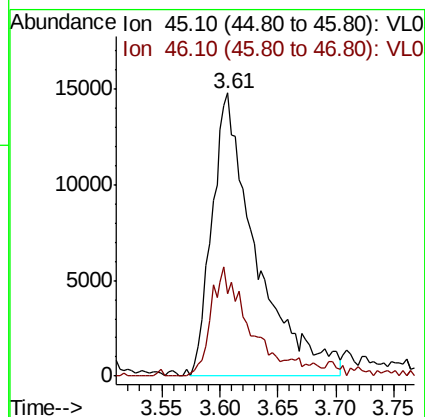
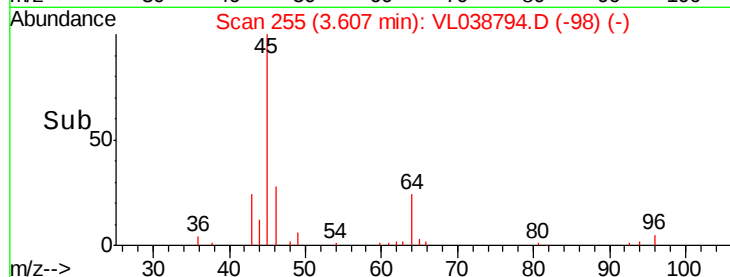
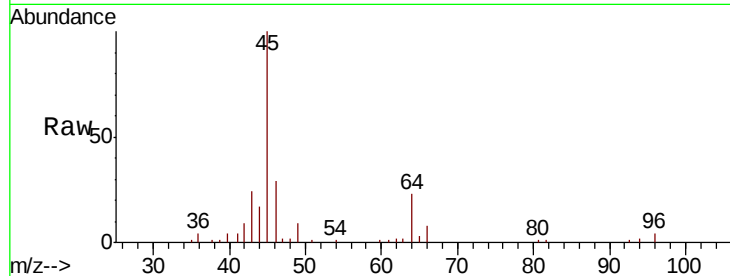
46 36.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#14

Bromoethene

Concen: 11.217 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

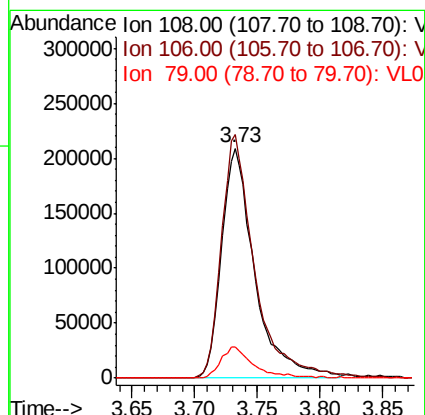
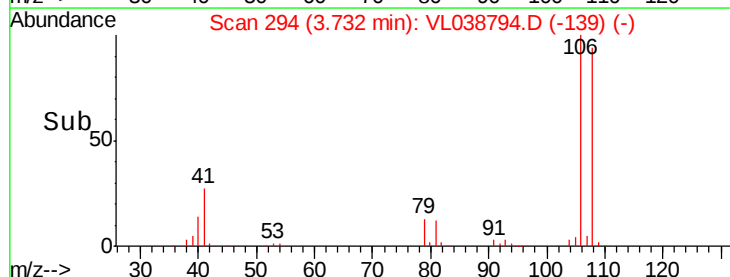
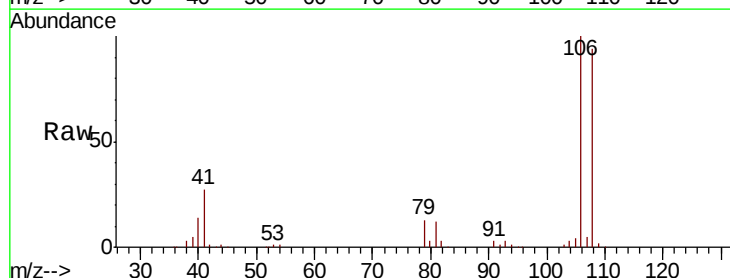
Tgt Ion:108 Resp: 384799

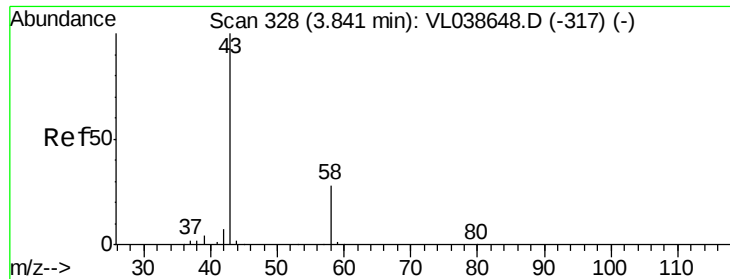
Ion Ratio Lower Upper

108 100

106 106.9 88.3 132.5

79 14.1 11.2 16.8



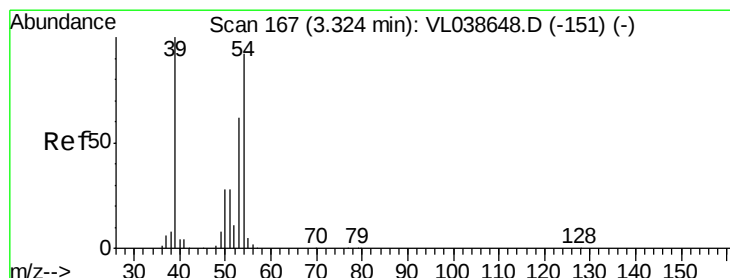
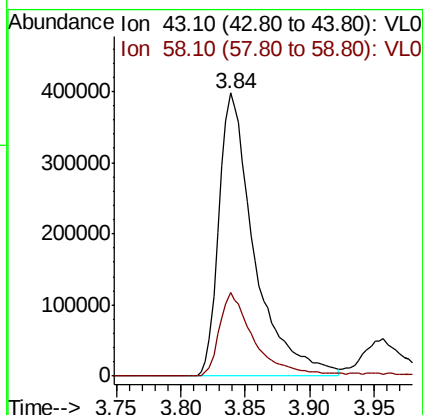
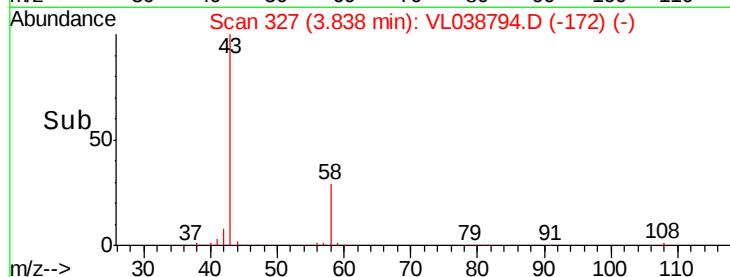
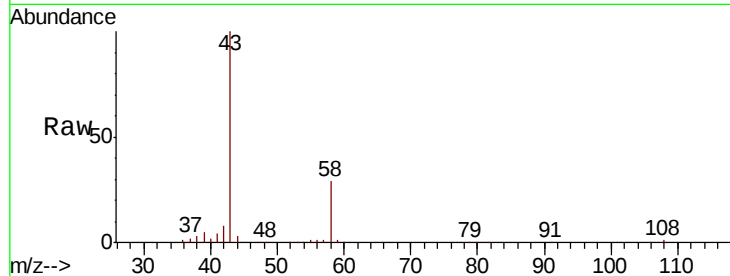


#15  
Acetone  
Concen: 10.435 ppbv  
RT: 3.84  
Instrument : MSVOA\_L  
Delta R.T. :  
Lab File: ClientSampleId :  
VSTDCCC010  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
43 100  
58 29.

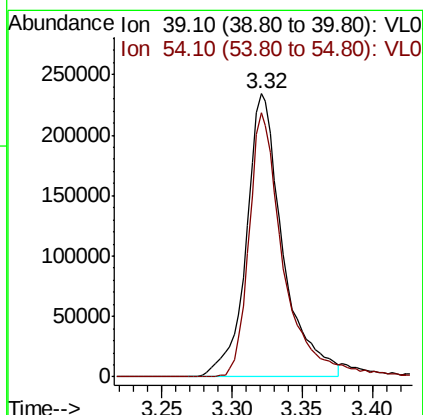
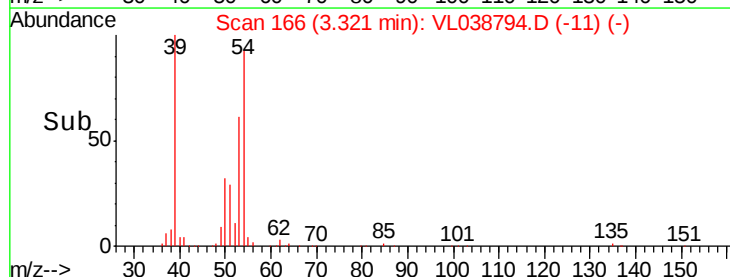
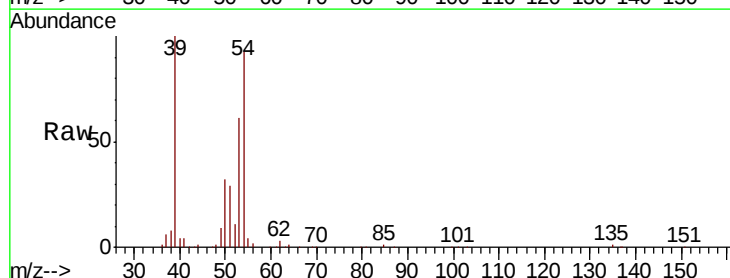
Manual Integrations  
APPROVED

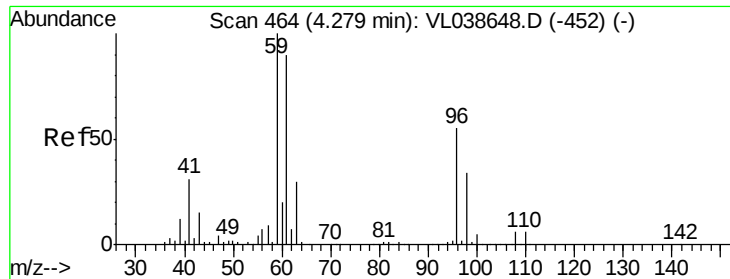
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#16  
1,3-Butadiene  
Concen: 10.268 ppbv  
RT: 3.32 min Scan# 166  
Delta R.T. -0.00 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 39 Resp: 424936  
Ion Ratio Lower Upper  
39 100  
54 89.1 69.1 103.7





#17

tert-Butyl alcohol

Concen: 13.355 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

59 100

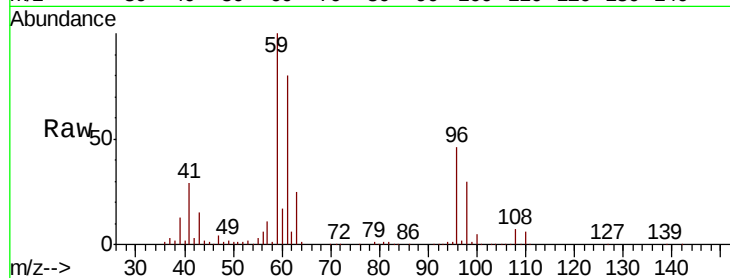
57 10.

Manual Integrations

APPROVED

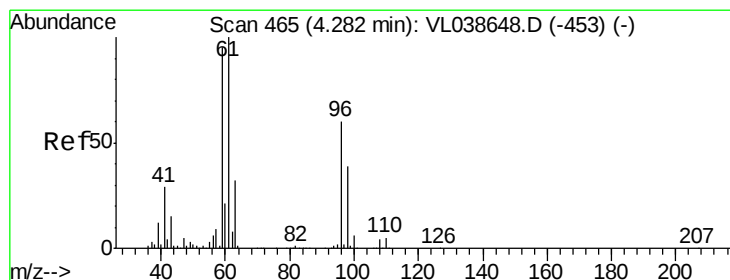
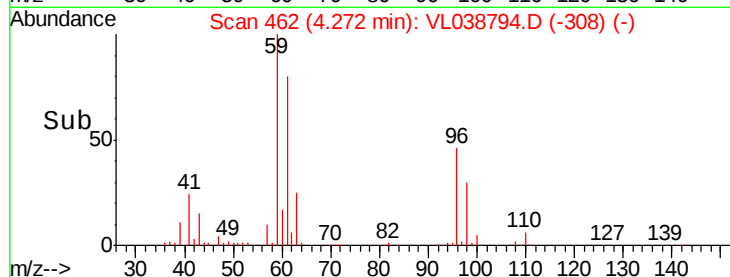
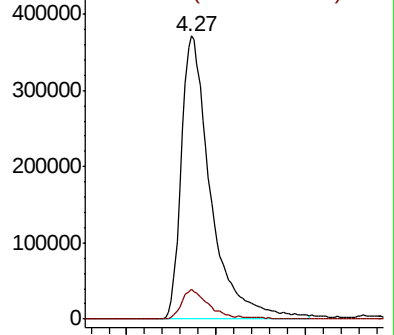
Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 11.483 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

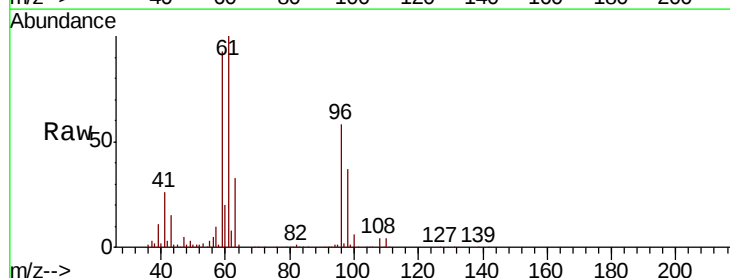
Tgt Ion: 96 Resp: 398193

Ion Ratio Lower Upper

96 100

61 172.1 132.4 198.6

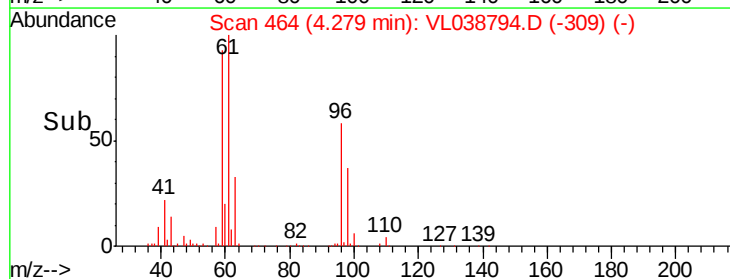
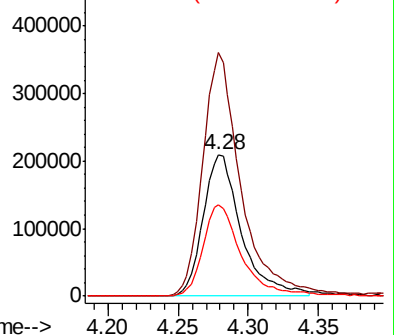
98 64.6 51.6 77.4

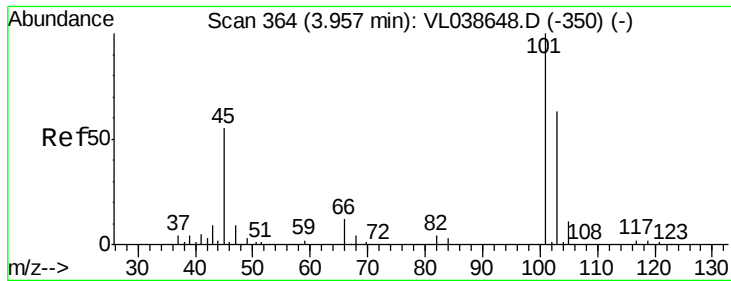


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



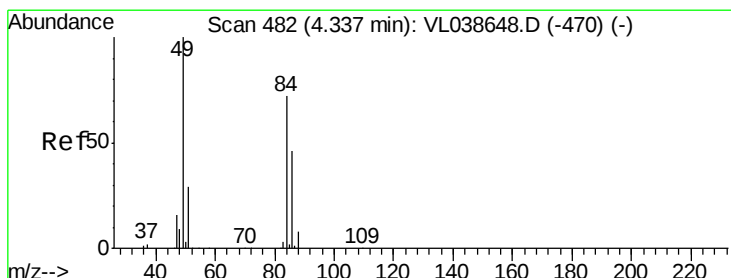
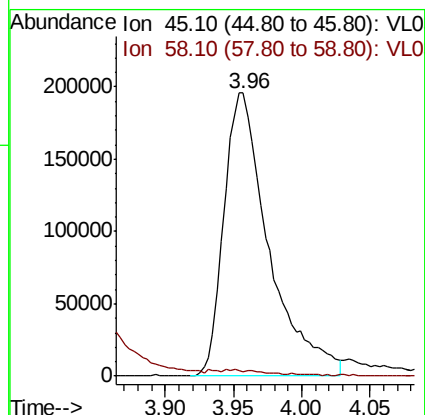
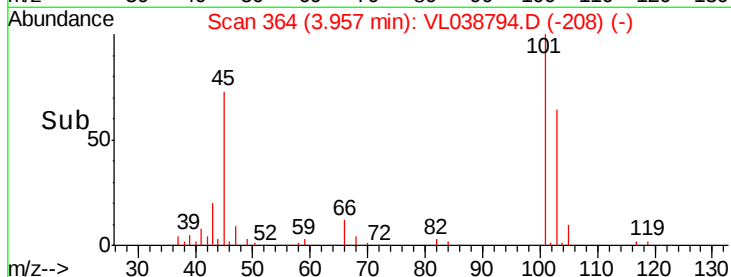
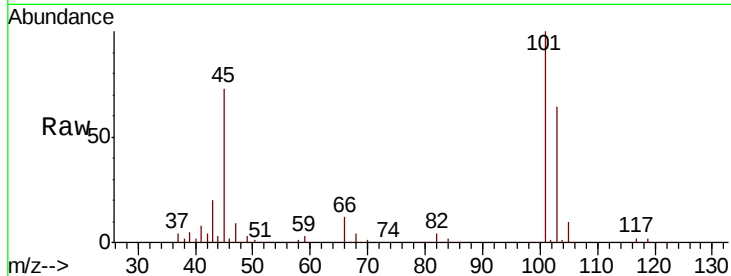


#19  
Isopropyl Alcohol  
Concen: 11.064 ppbv  
RT: 3.96  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
45 100  
58 3.

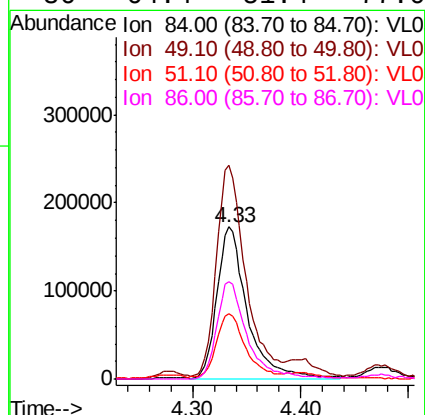
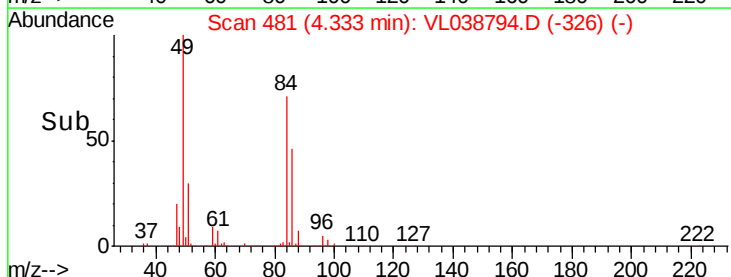
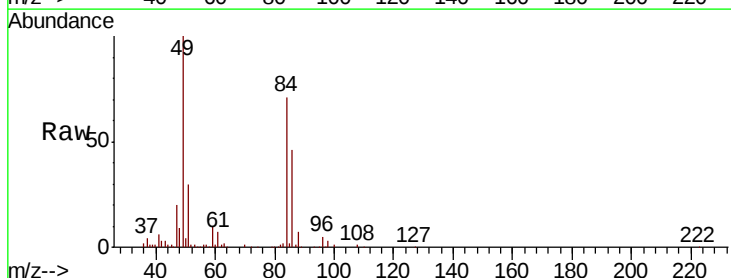
Manual Integrations  
APPROVED

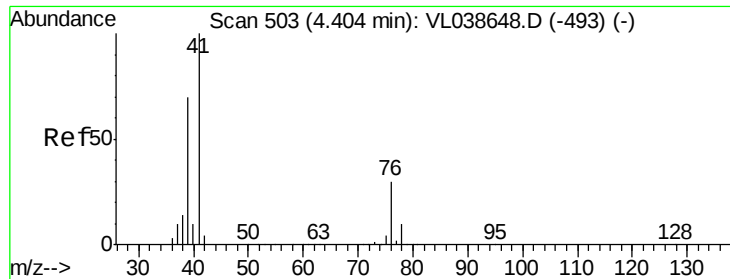
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#20  
Methylene Chloride  
Concen: 10.948 ppbv  
RT: 4.33 min Scan# 481  
Delta R.T. -0.00 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 84 Resp: 336291  
Ion Ratio Lower Upper  
84 100  
49 138.8 111.2 166.8  
51 41.8 32.8 49.2  
86 64.4 51.4 77.0





#21

Allvl Chloride

Concen: 11.785 ppbv

RT: 4.40 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

41 100

76 31.

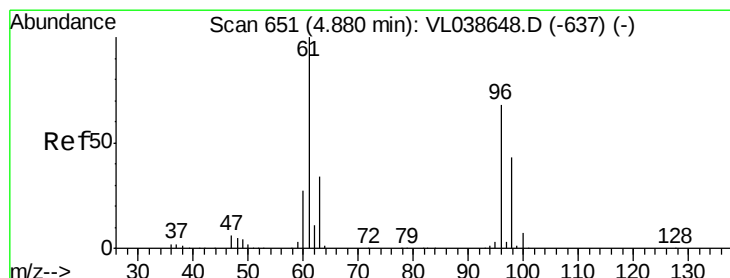
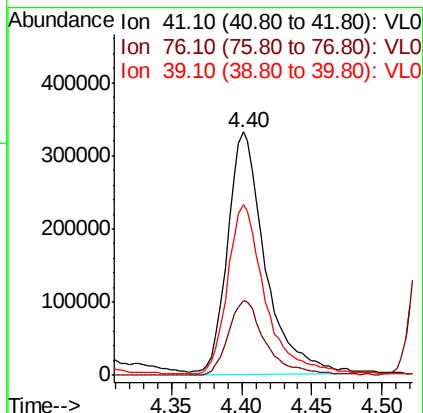
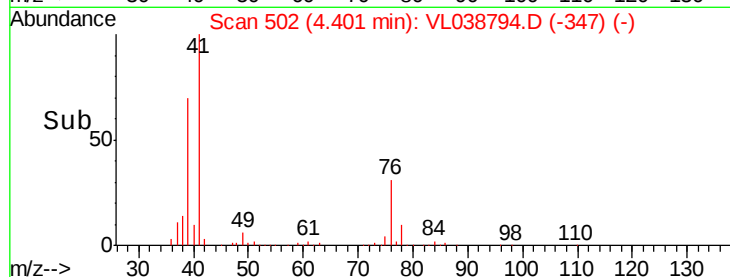
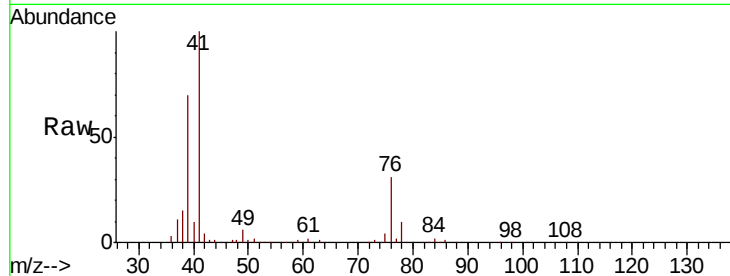
39 70.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#22

trans-1,2-Dichloroethene

Concen: 12.178 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

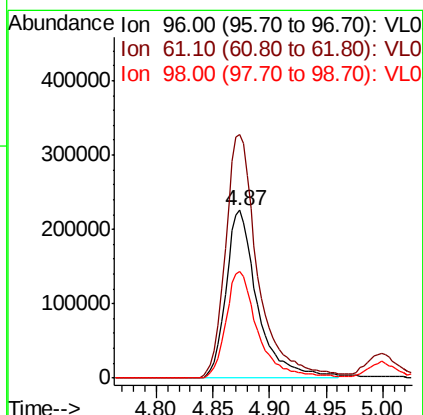
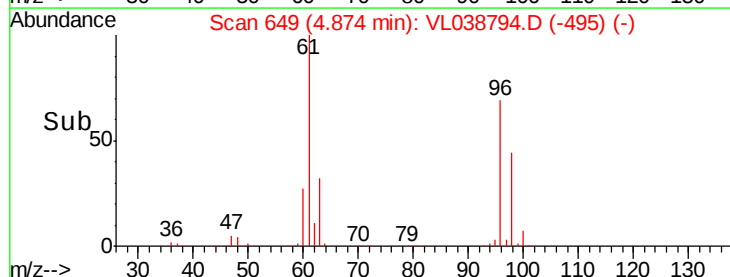
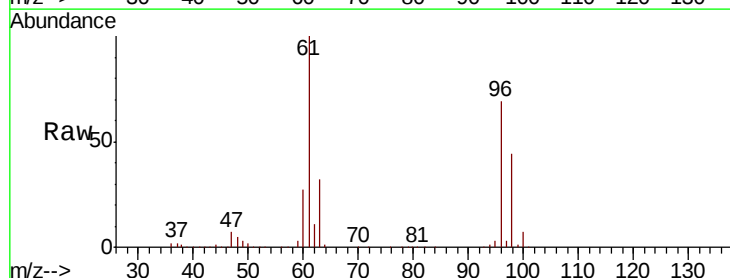
Tgt Ion: 96 Resp: 438010

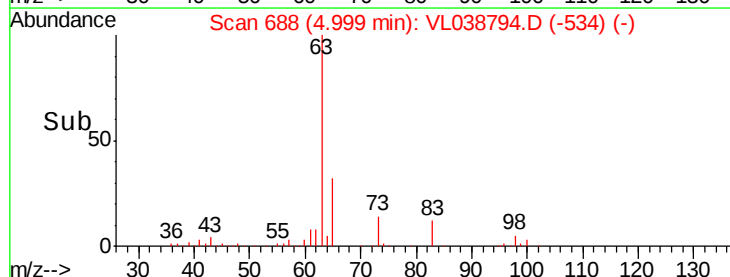
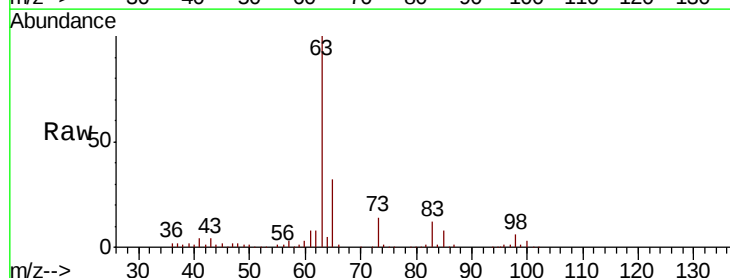
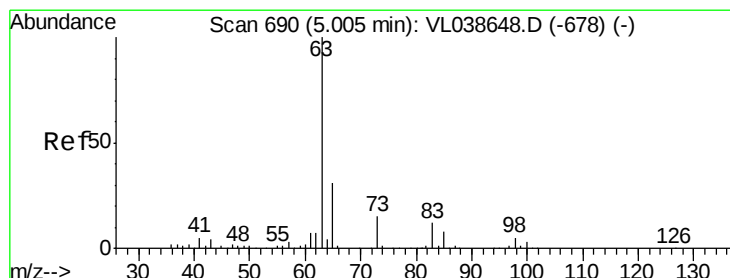
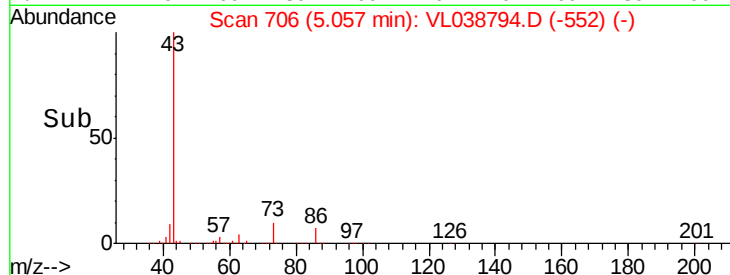
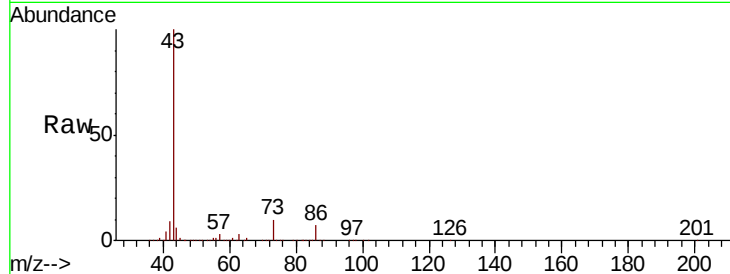
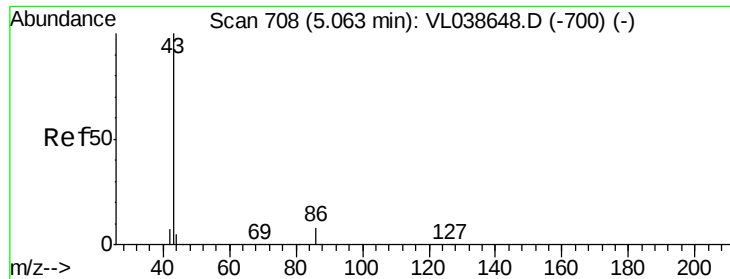
Ion Ratio Lower Upper

96 100

61 145.1 118.3 177.5

98 63.6 51.3 76.9





#23

Vinyl Acetate

Concen: 12.743 ppbv

RT: 5.06

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

43 100

86 6.

42 8.

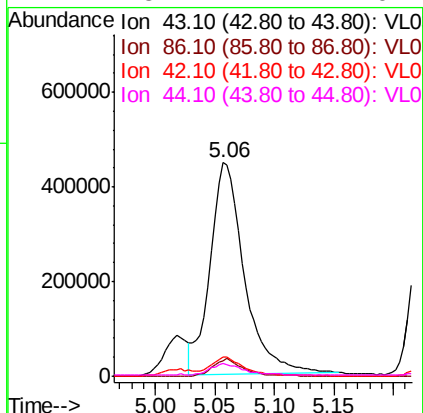
44 5.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#24

1,1-Dichloroethane

Concen: 11.459 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion: 63 Resp: 796884

Ion Ratio Lower Upper

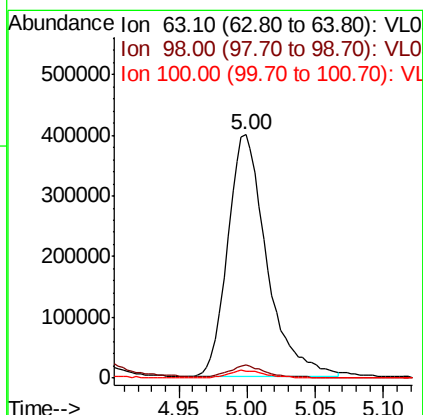
63 100

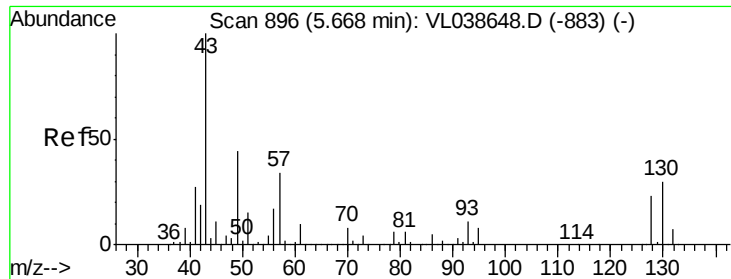
98 5.3

100 2.9

2.5 7.5

1.4 4.2



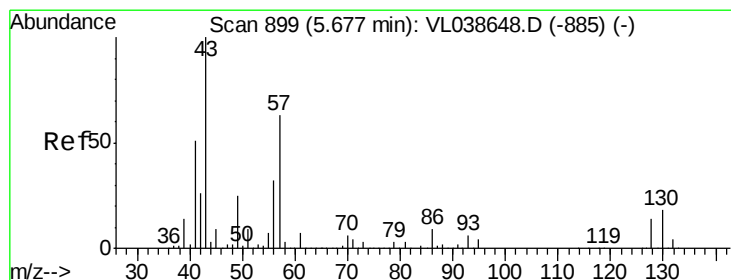
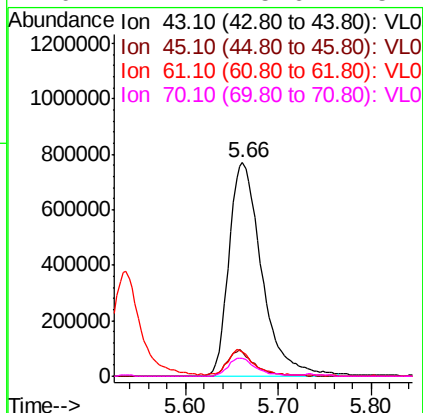
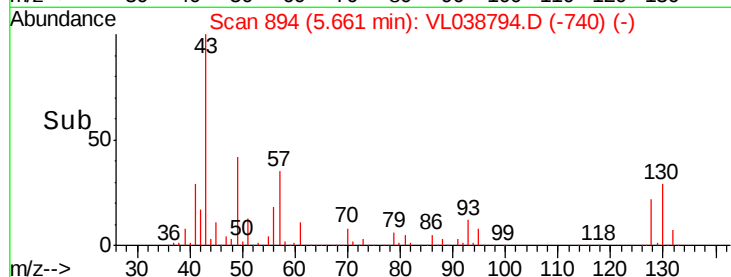
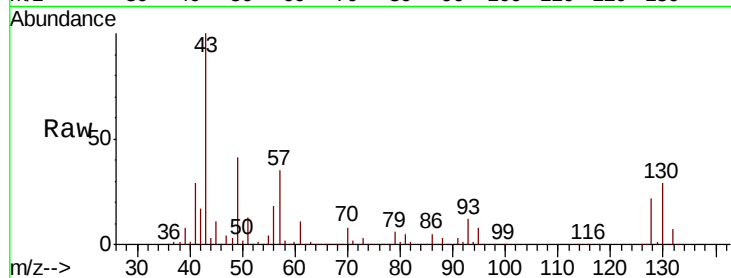


#25  
Ethyl Acetate  
Concen: 10.272 ppbv  
RT: 5.66 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
43 100  
45 10.  
61 10.  
70 7.2 5.6 8.4

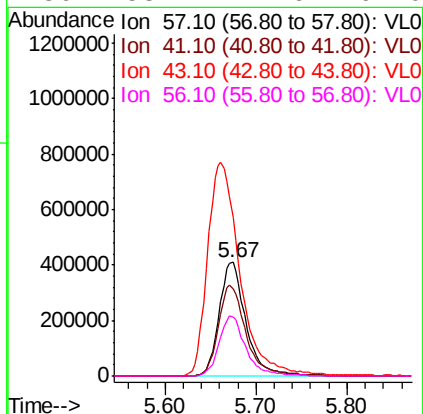
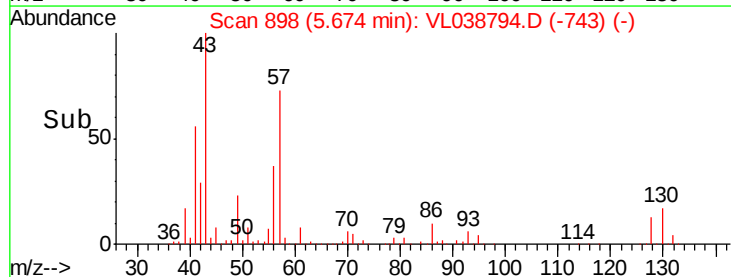
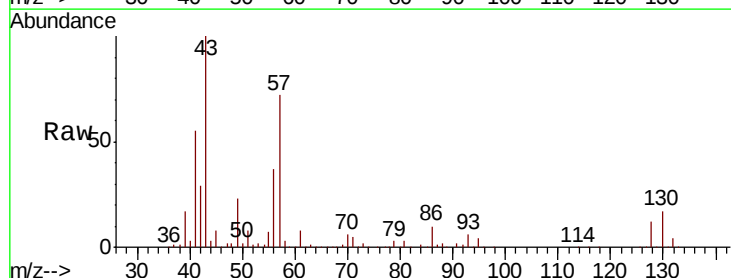
Manual Integrations  
APPROVED

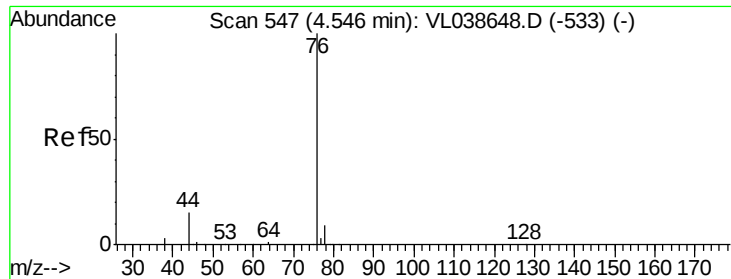
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#26  
Hexane  
Concen: 10.180 ppbv  
RT: 5.67 min Scan# 898  
Delta R.T.: -0.00 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 57 Resp: 836671  
Ion Ratio Lower Upper  
57 100  
41 83.0 67.0 100.4  
43 227.1 184.2 276.2  
56 53.1 42.6 64.0



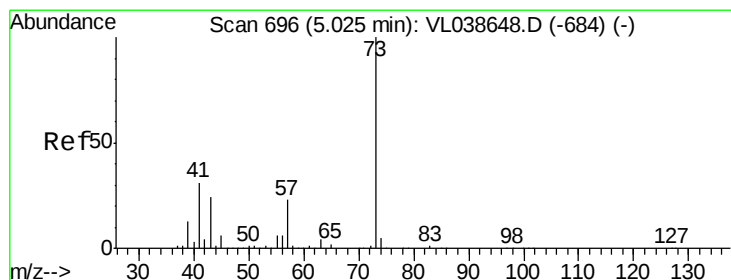
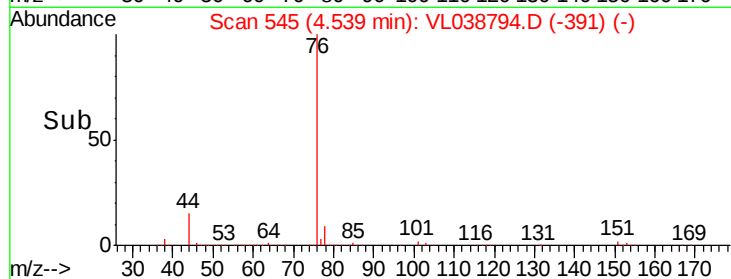
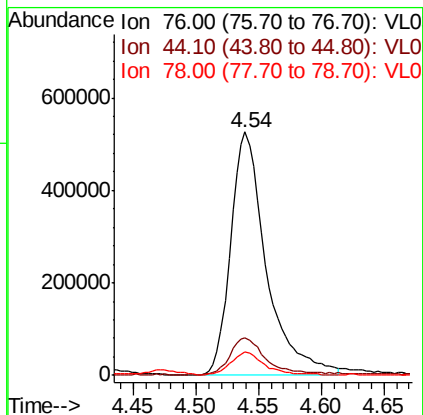
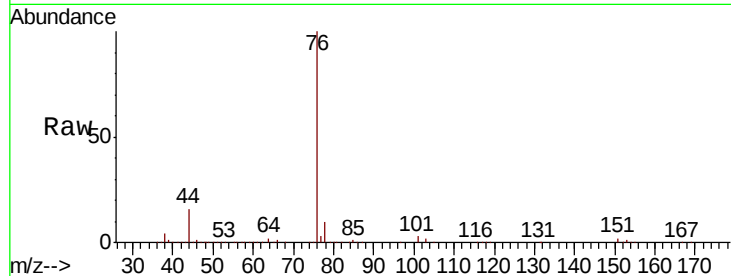


#27  
Carbon Disulfide  
Concen: 12.790 ppbv  
RT: 4.54  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
76 100  
44 15.  
78 9.

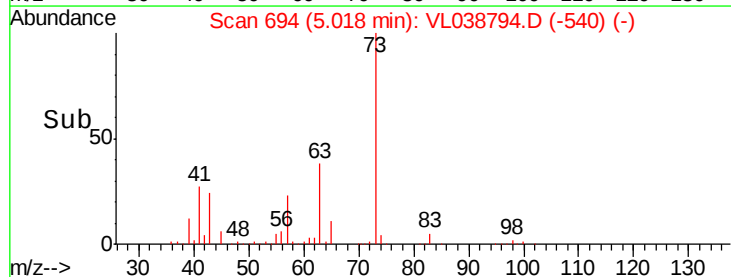
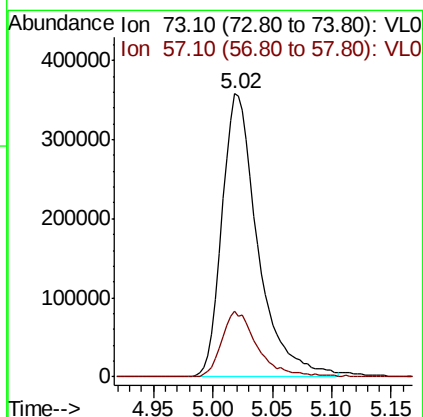
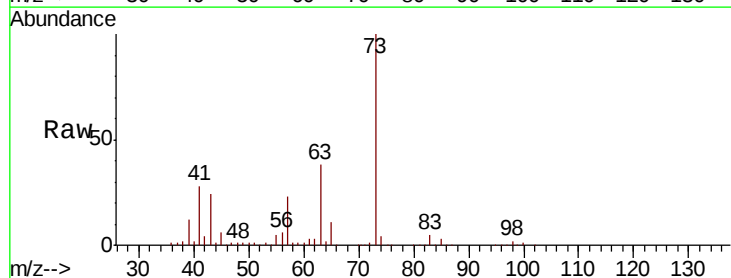
Manual Integrations  
APPROVED

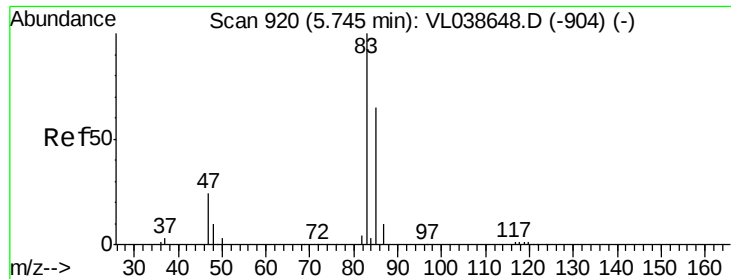
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#28  
Methyl tert-Butyl Ether  
Concen: 12.242 ppbv  
RT: 5.02 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 73 Resp: 749475  
Ion Ratio Lower Upper  
73 100  
57 23.3 19.2 28.8



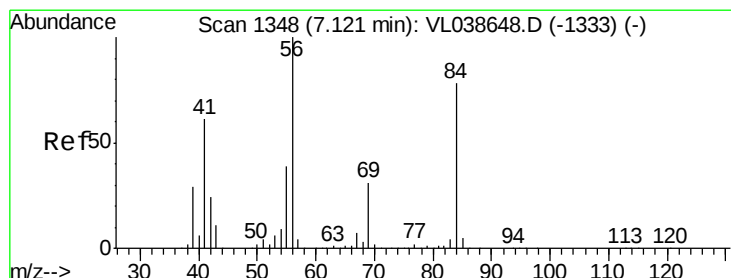
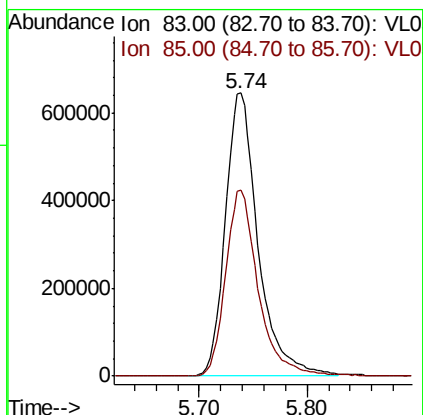
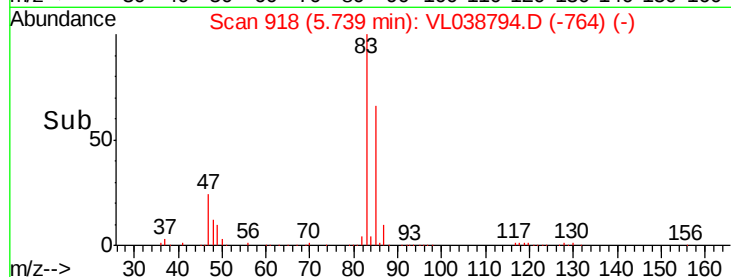
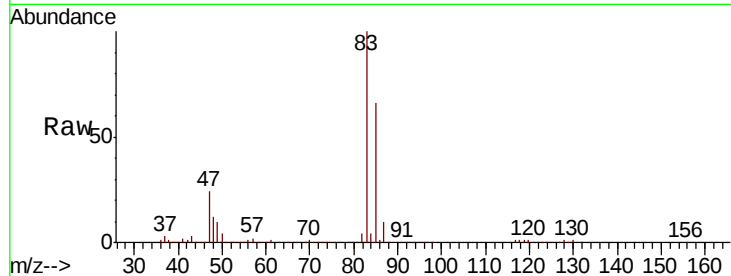


#29  
Chloroform  
Concen: 10.347 ppbv  
RT: 5.74  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
83 100  
85 65.

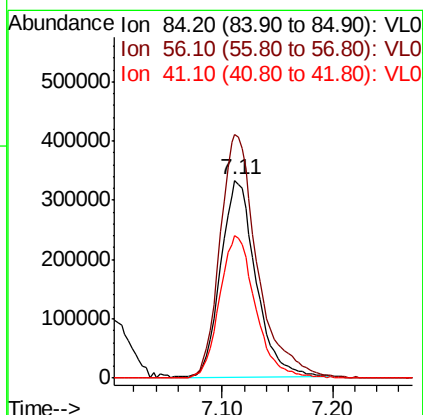
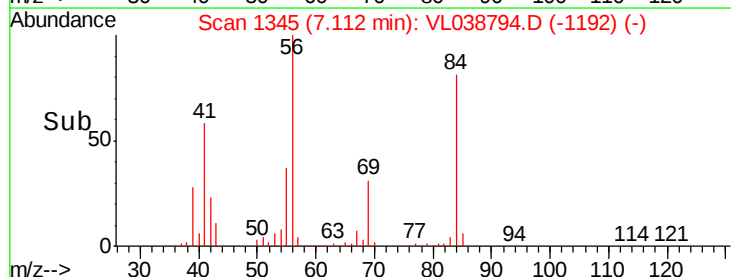
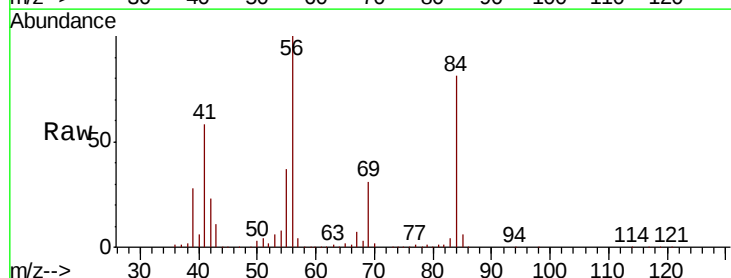
Manual Integrations  
APPROVED

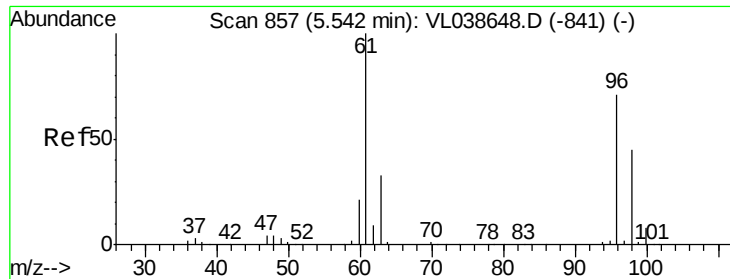
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#30  
Cyclohexane  
Concen: 10.287 ppbv  
RT: 7.11 min Scan# 1345  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 84 Resp: 735092  
Ion Ratio Lower Upper  
84 100  
56 132.1 108.2 162.4  
41 74.2 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.091 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18 VSTDCCC010

Tot Ion:

Ion Ratio

61 100

96 70.

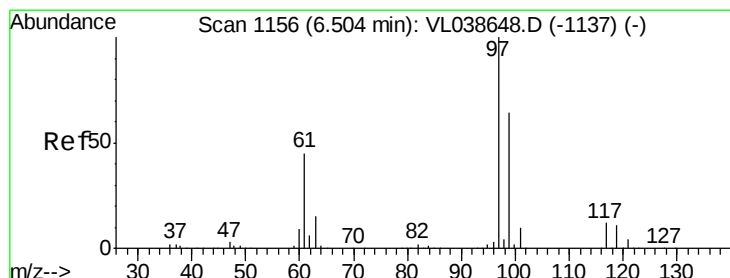
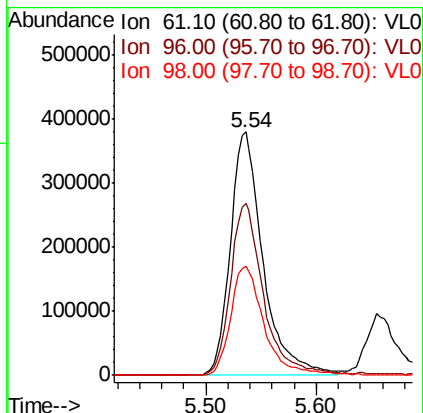
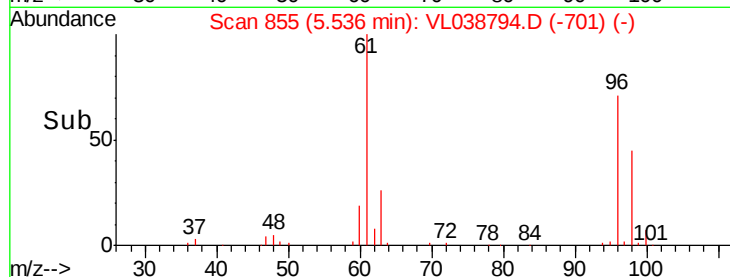
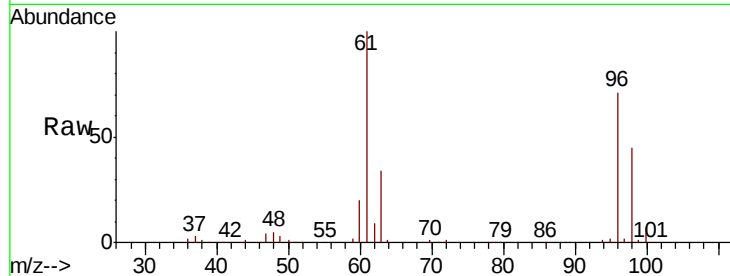
98 44.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#32

1,1,1-Trichloroethane

Concen: 10.786 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

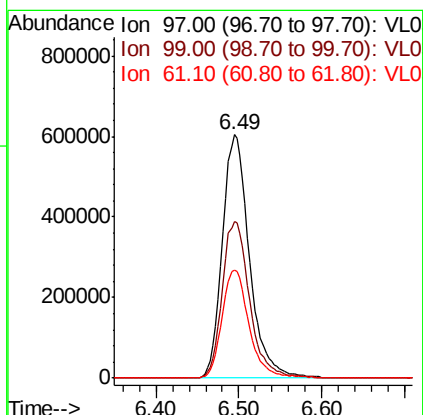
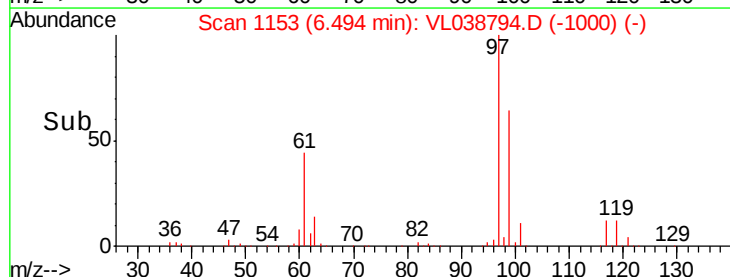
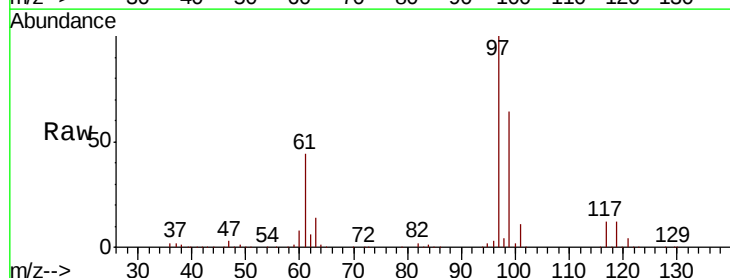
Tgt Ion: 97 Resp: 1369813

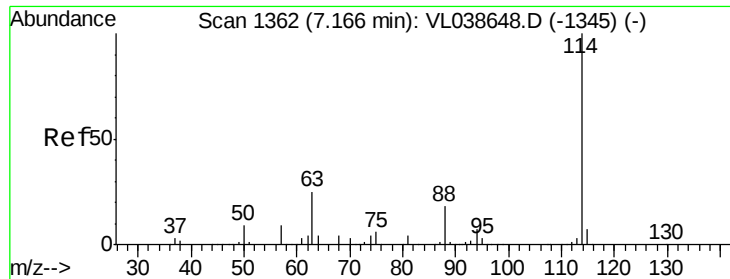
Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

61 44.4 36.7 55.1



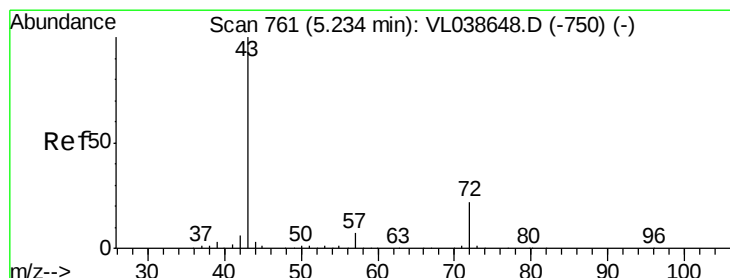
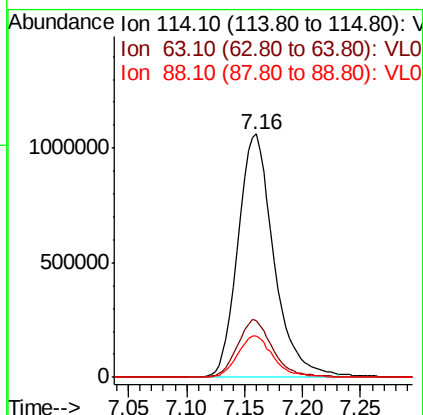
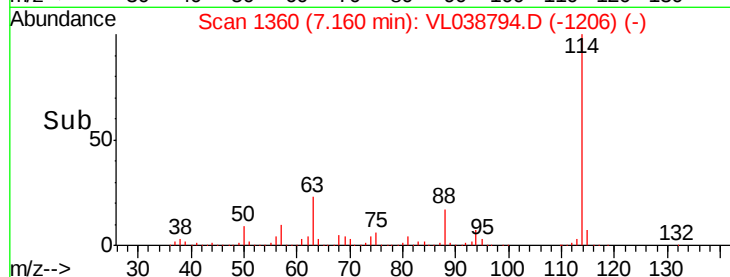
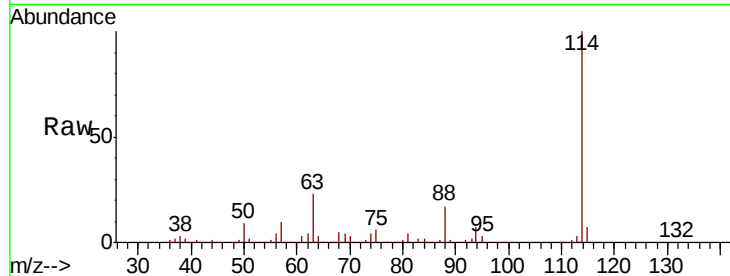


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.16  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion: 1  
 Ion Ratio  
 114 100  
 63 23.  
 88 17.

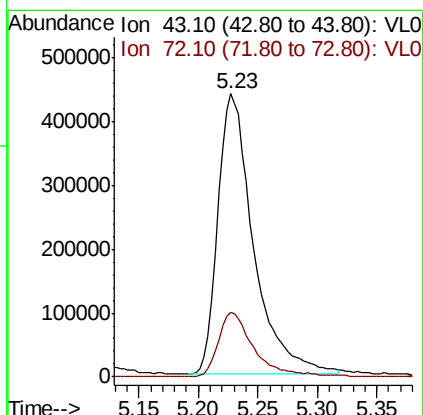
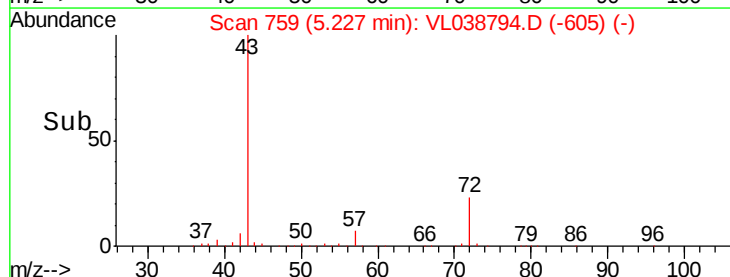
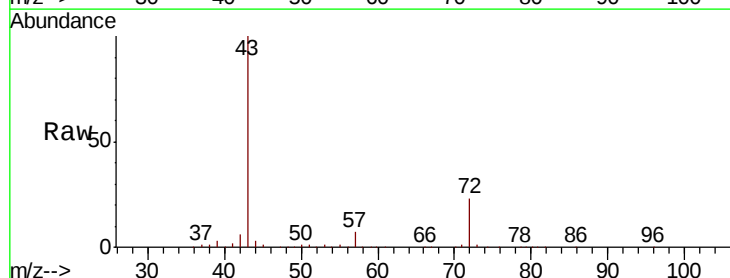
Manual Integrations  
 APPROVED

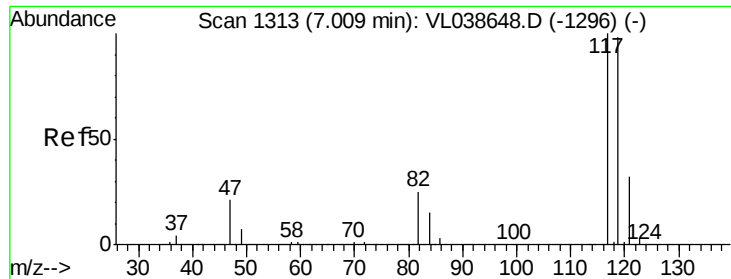
Reviewed By : Semsettin Yesilyurt 04/02/2022  
 Supervised By : Mahesh Dadoda 04/04/2022



#34  
 2-Butanone  
 Concen: 10.146 ppbv  
 RT: 5.23 min Scan# 759  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion: 43 Resp: 914358  
 Ion Ratio Lower Upper  
 43 100  
 72 23.6 17.8 26.8



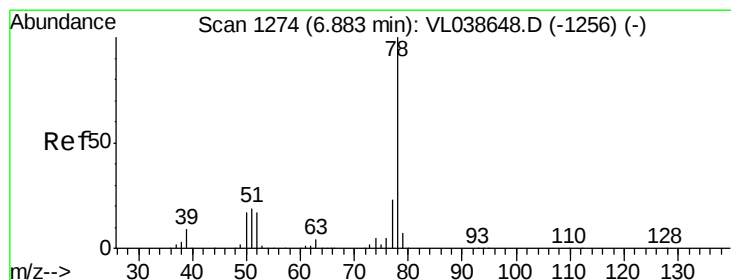
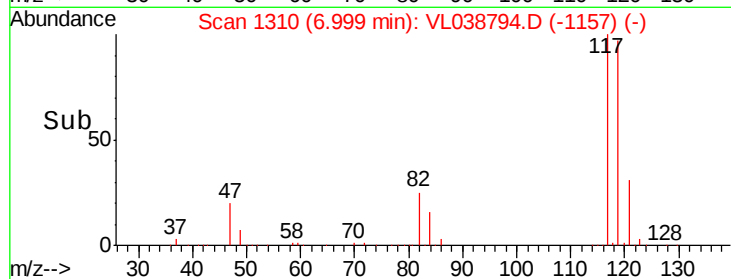
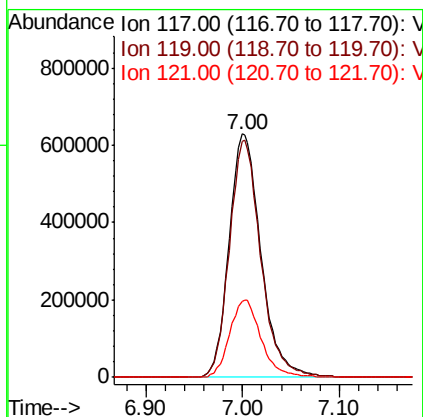
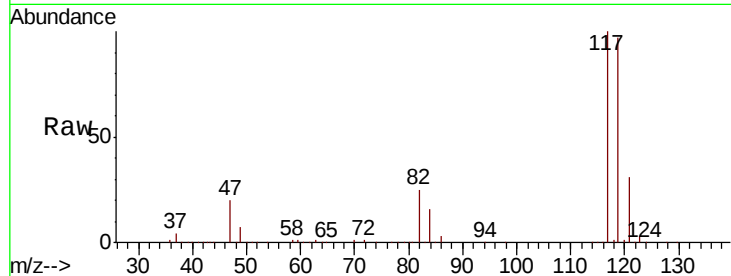


#35  
Carbon Tetrachloride  
Concen: 10.899 ppbv  
RT: 7.00 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 30 Mar 2022 12:18

Tot Ion: 1  
Ion Ratio  
117 100  
119 97.  
121 31.

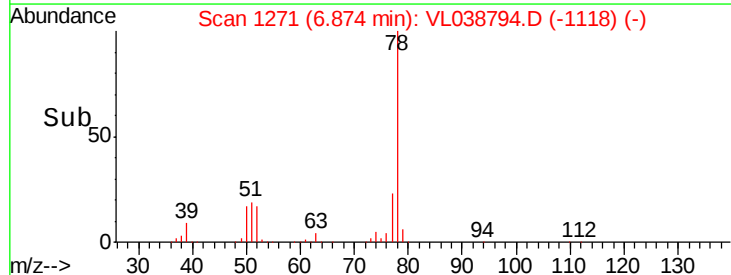
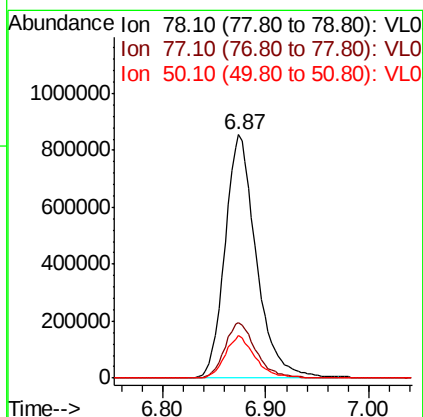
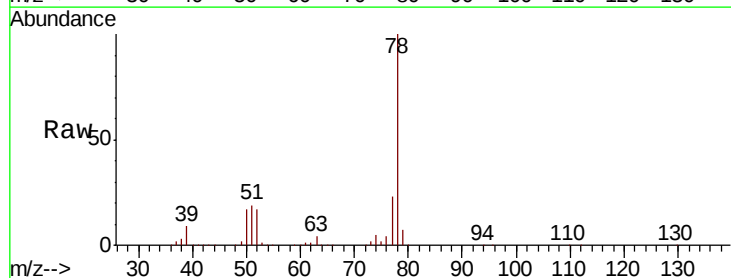
Manual Integrations  
APPROVED

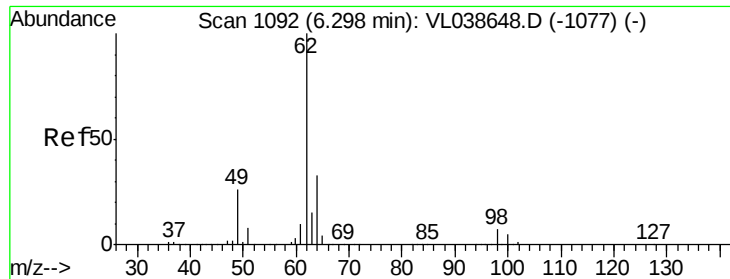
Reviewed By : Semsettin Yesilyurt 04/02/2022  
Supervised By : Mahesh Dadoda 04/04/2022



#36  
Benzene  
Concen: 10.292 ppbv  
RT: 6.87 min Scan# 1271  
Delta R.T.: -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 78 Resp: 1808609  
Ion Ratio Lower Upper  
78 100  
77 22.7 18.1 27.1  
50 17.3 13.6 20.4



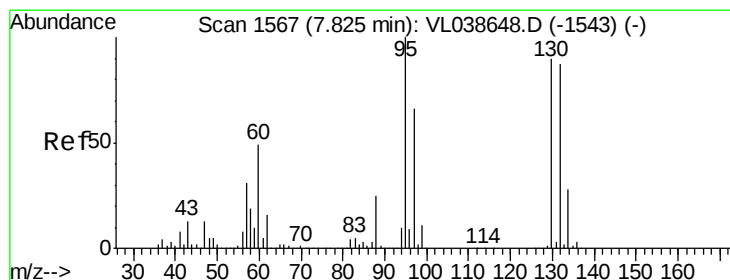
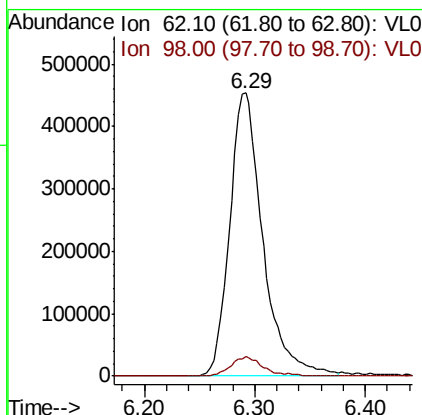
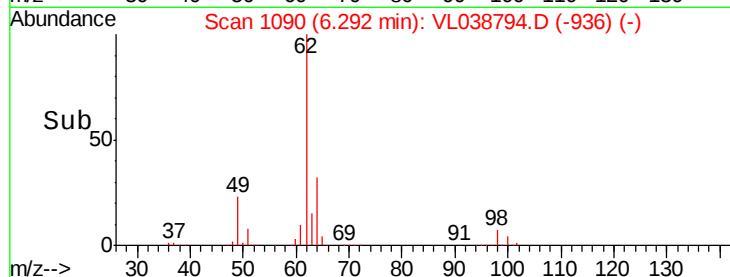
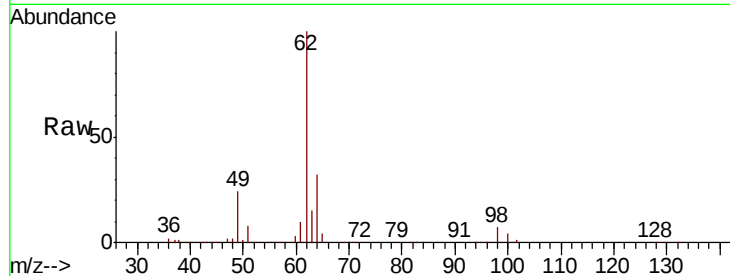


#37  
 1,2-Dichloroethane  
 Concen: 10.604 ppbv  
 RT: 6.29  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 62 100  
 98 7.

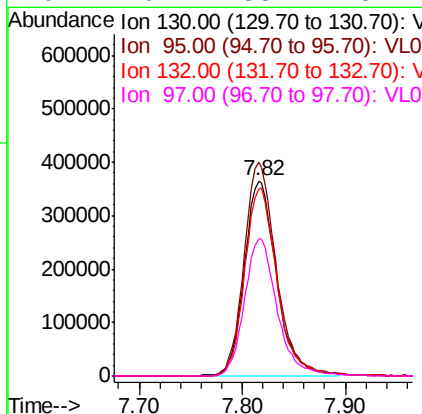
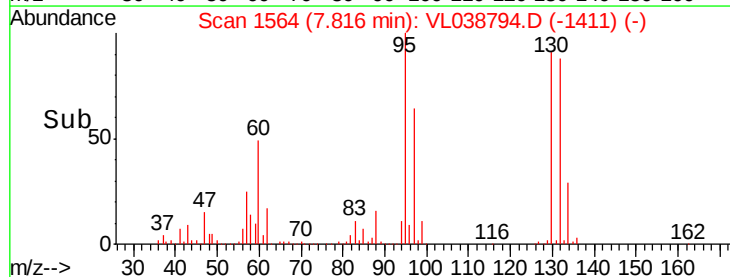
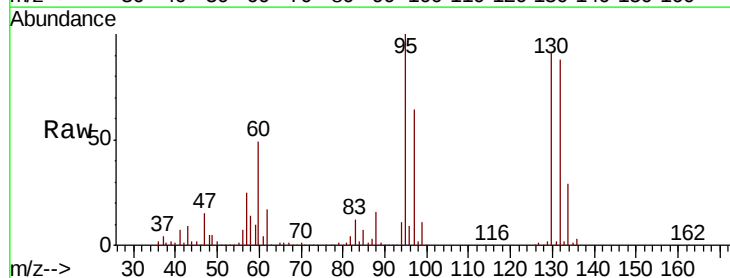
Manual Integrations  
 APPROVED

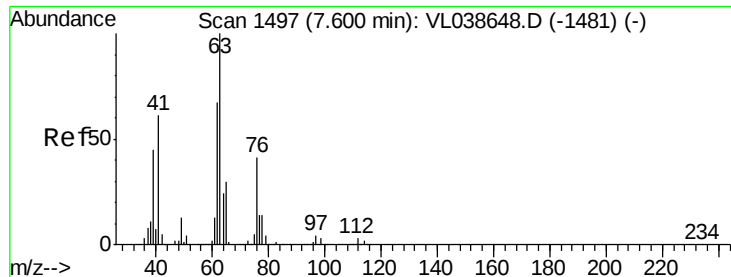
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#38  
 Trichloroethene  
 Concen: 10.782 ppbv  
 RT: 7.82 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:130 Resp: 793709  
 Ion Ratio Lower Upper  
 130 100  
 95 109.7 88.9 133.3  
 132 96.2 77.4 116.0  
 97 70.2 58.2 87.4



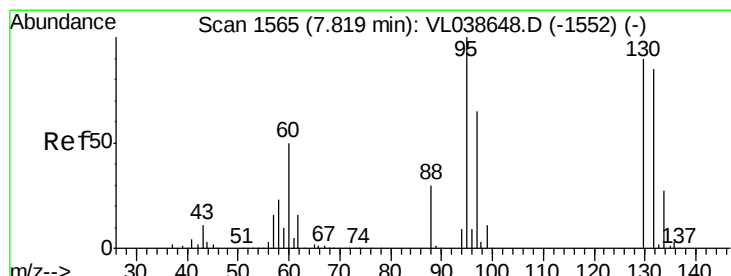
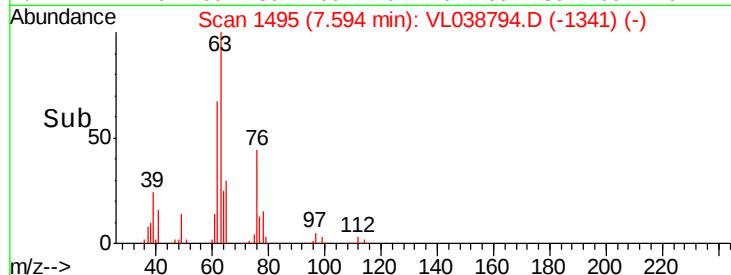
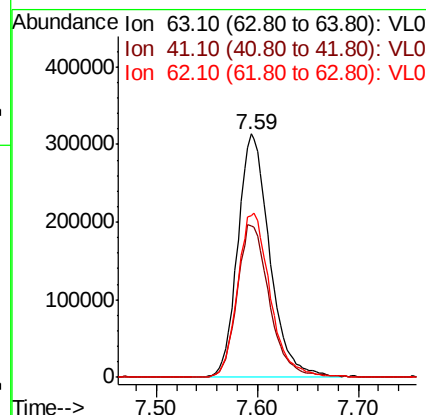
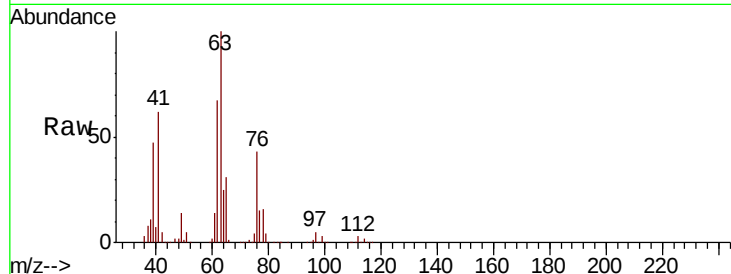


#39  
 1,2-Dichloropropane  
 Concen: 10.034 ppbv  
 RT: 7.59  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 63 100  
 41 62.  
 62 66.

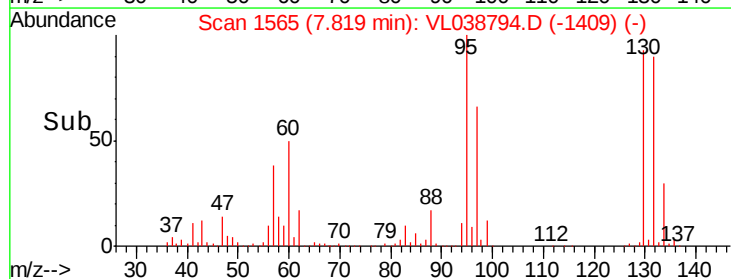
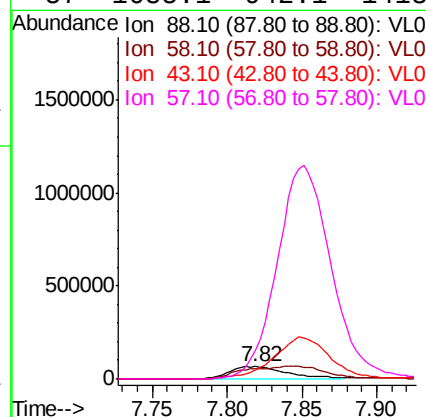
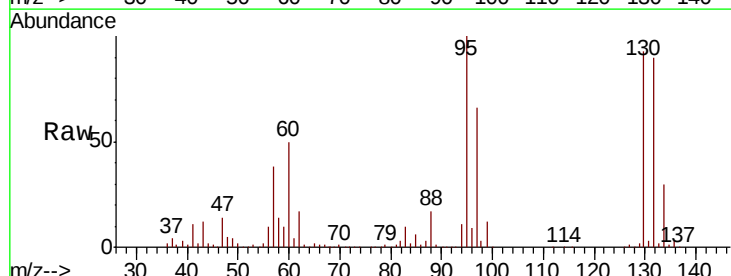
Manual Integrations  
 APPROVED

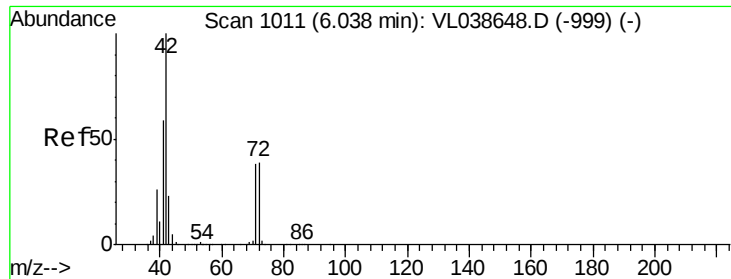
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#40  
 1,4-Dioxane  
 Concen: 7.249 ppbv  
 RT: 7.82 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion: 88 Resp: 172947  
 Ion Ratio Lower Upper  
 88 100  
 58 160.7 105.6 158.4#  
 43 345.3 201.9 302.9#  
 57 1685.1 942.1 1413.1#



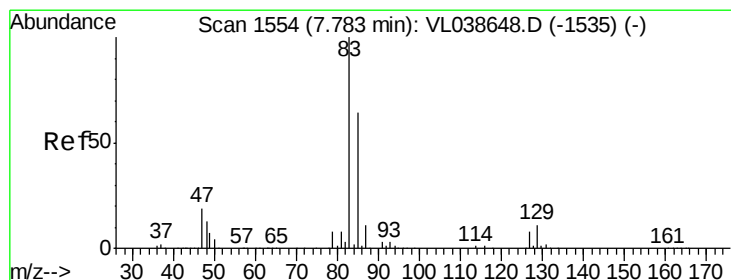
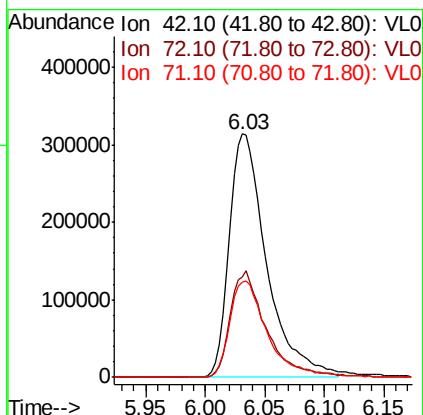
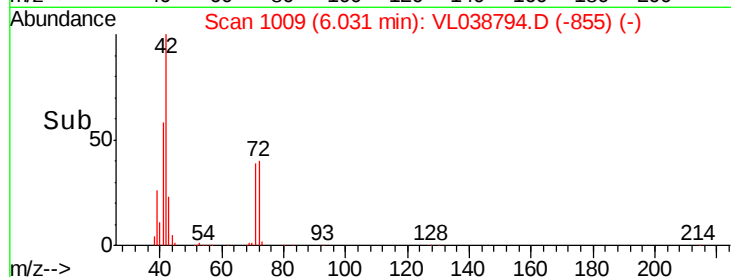
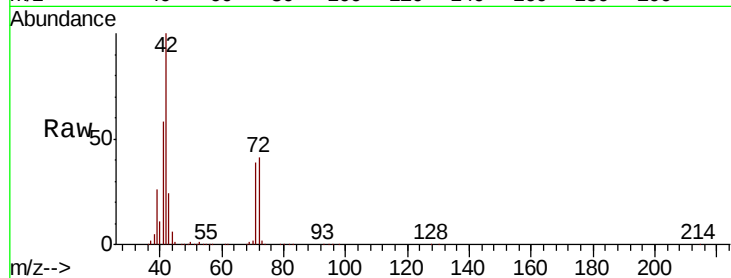


#41  
Tetrahydrofuran  
Concen: 10.192 ppbv  
RT: 6.03  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
42 100  
72 42.  
71 40.

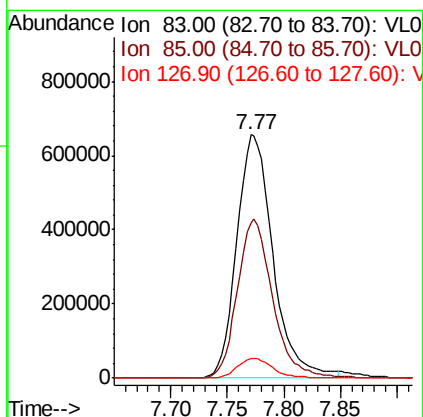
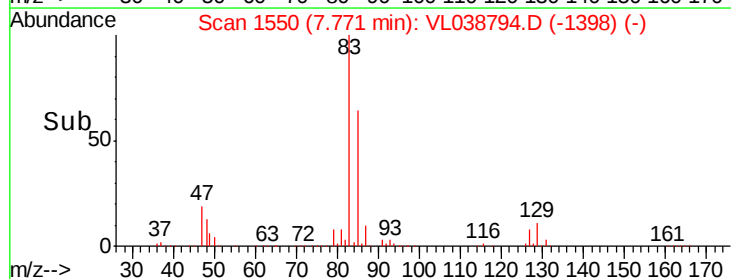
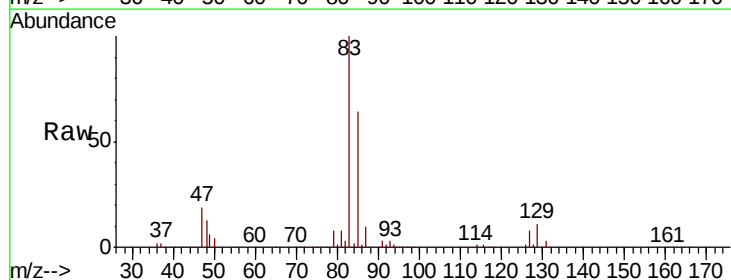
Manual Integrations  
APPROVED

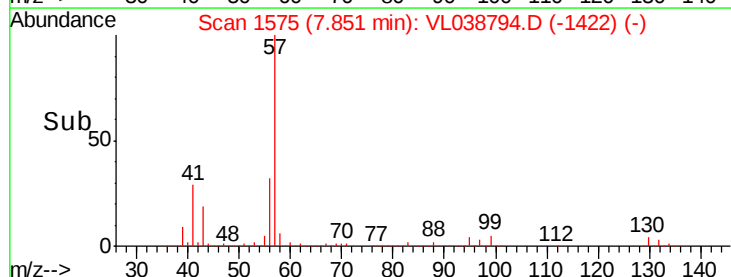
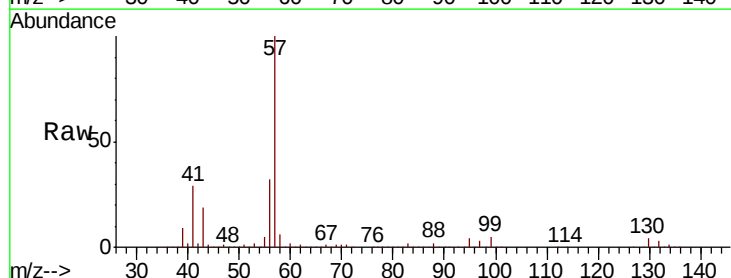
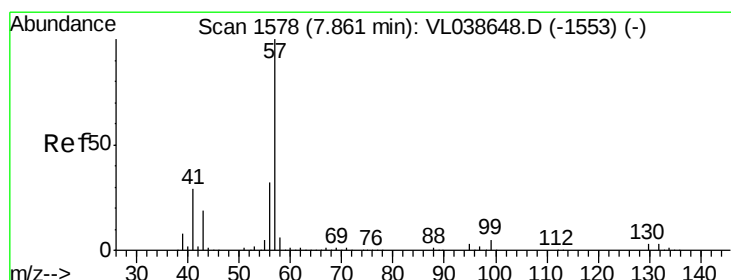
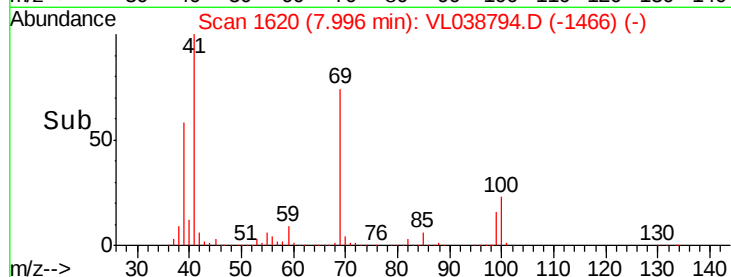
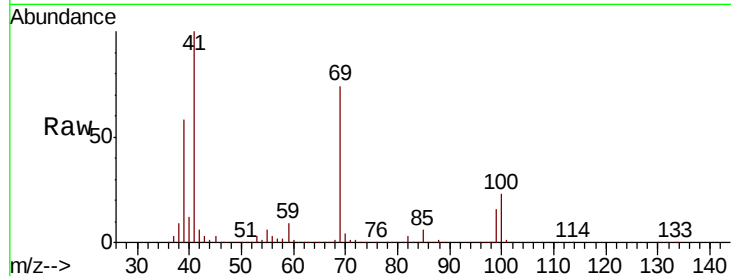
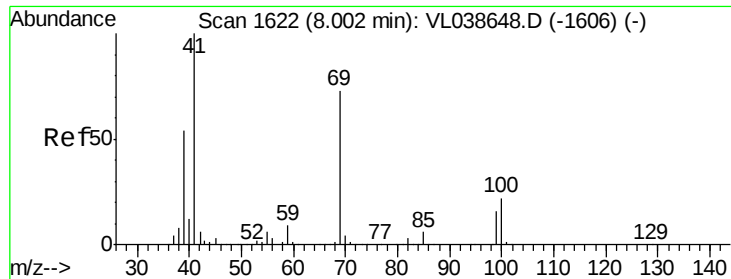
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#42  
Bromodichloromethane  
Concen: 10.944 ppbv  
RT: 7.77 min Scan# 1550  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 83 Resp: 1466772  
Ion Ratio Lower Upper  
83 100  
85 63.8 51.1 76.7  
127 8.1 6.5 9.7





#43

Methyl Methacrylate

Concen: 11.053 ppbv

RT: 8.00

Instrument: MSVOA\_L

Delta R.T.:

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

69 100

41 135.

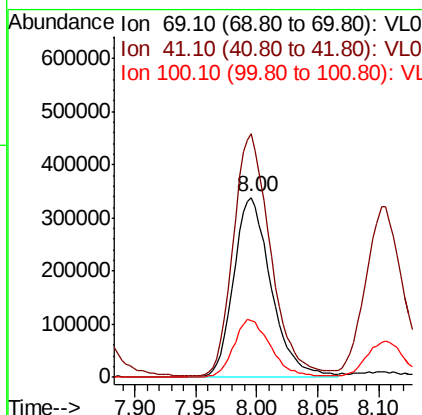
100 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#44

2,2,4-Trimethylpentane

Concen: 9.864 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

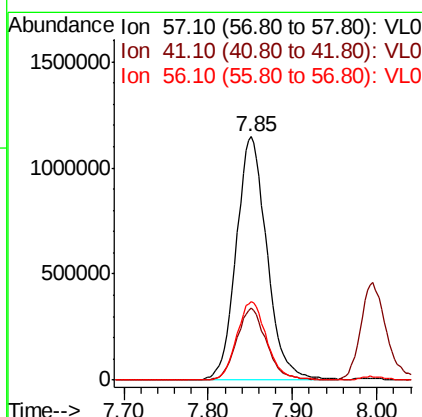
Tgt Ion: 57 Resp: 2910549

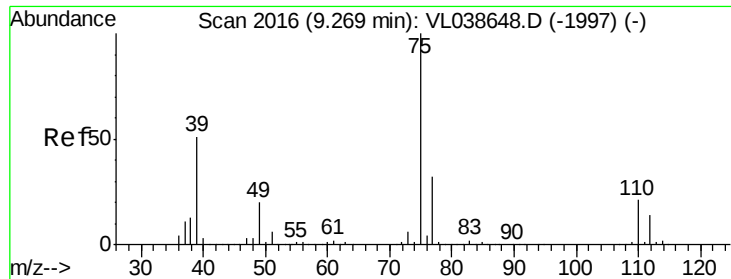
Ion Ratio Lower Upper

57 100

41 28.8 23.0 34.4

56 31.7 25.3 37.9



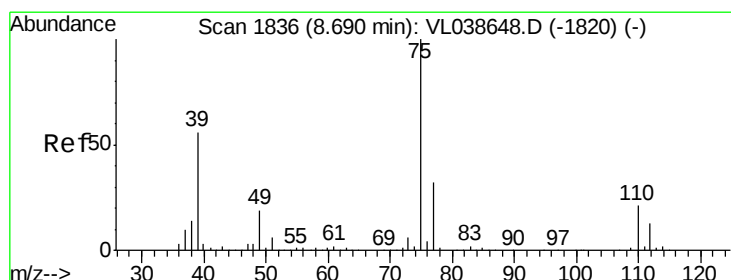
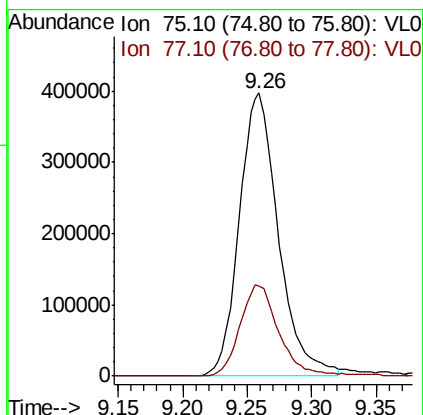
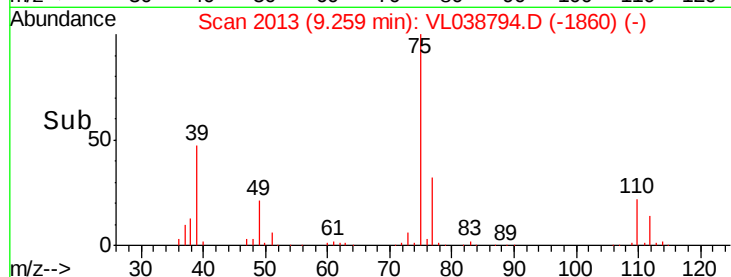
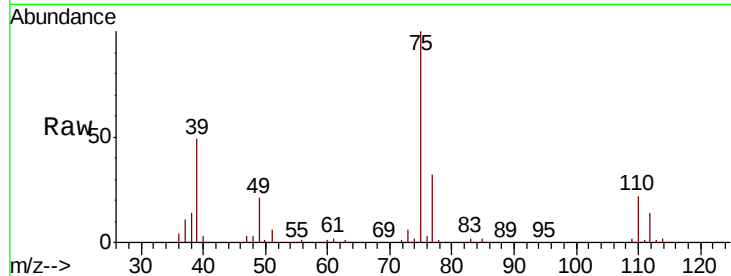


#45  
t-1,3-Dichloropropene  
Concen: 12.616 ppbv  
RT: 9.26  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
75 100  
77 31.

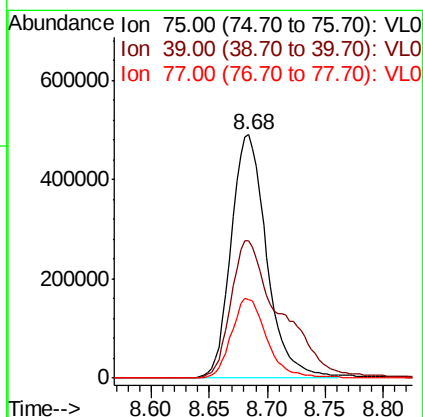
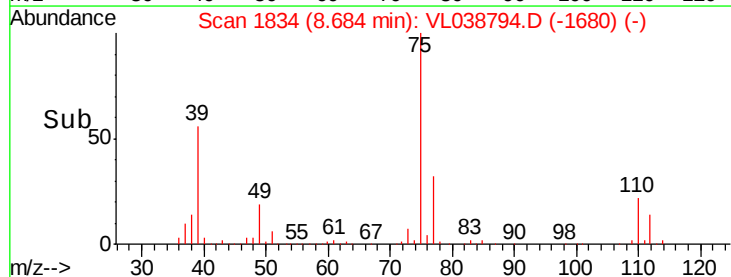
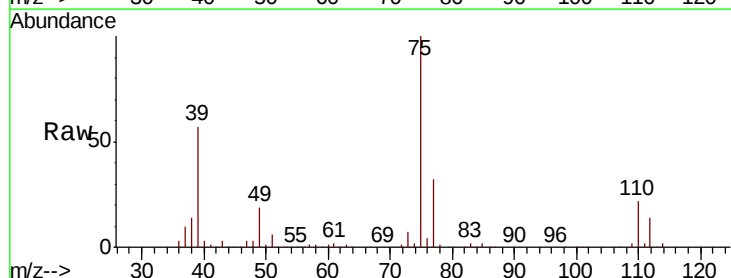
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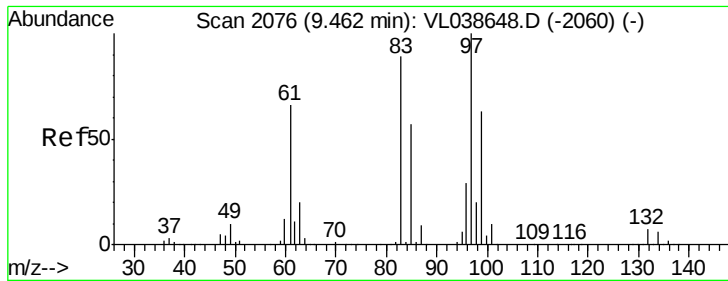
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#46  
cis-1,3-Dichloropropene  
Concen: 11.621 ppbv  
RT: 8.68 min Scan# 1834  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 75 Resp: 1042432  
Ion Ratio Lower Upper  
75 100  
39 56.6 44.8 67.2  
77 32.4 25.4 38.0



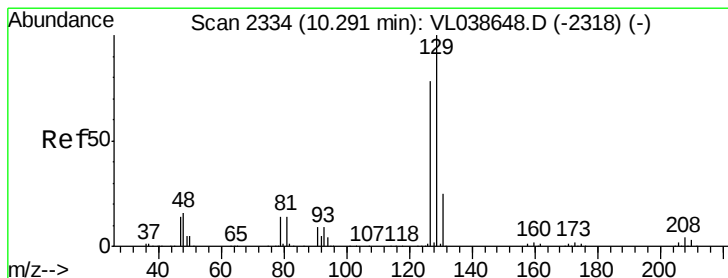
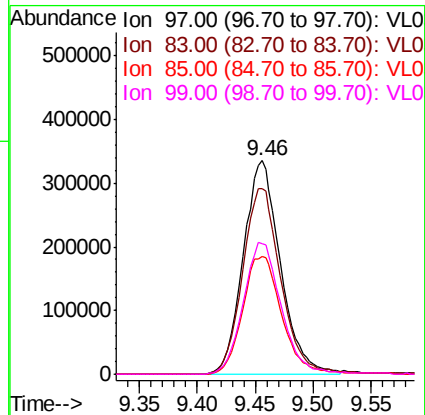
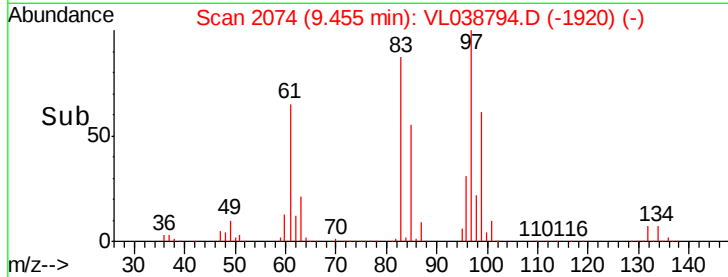
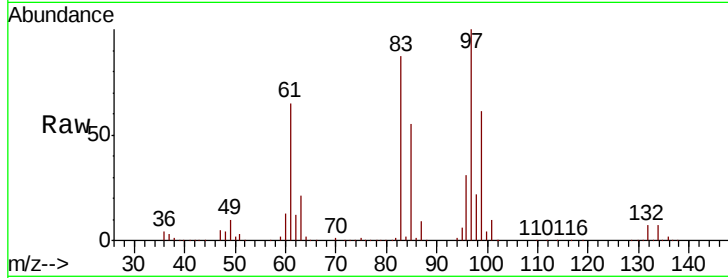


#47  
 1,1,2-Trichloroethane  
 Concen: 10.207 ppbv  
 RT: 9.46 min  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 97 100  
 83 87.  
 85 55.  
 99 61.3 50.6 76.0

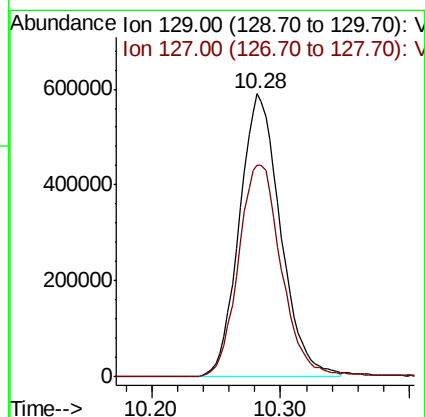
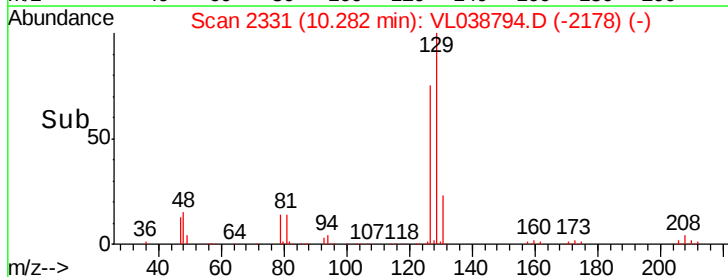
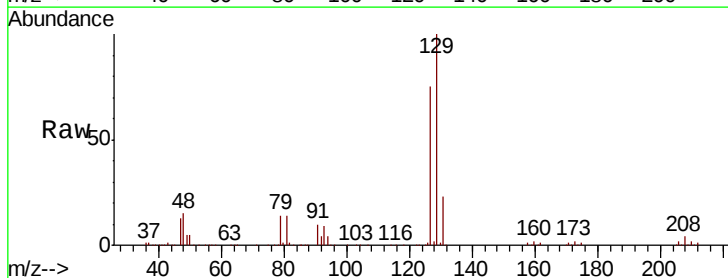
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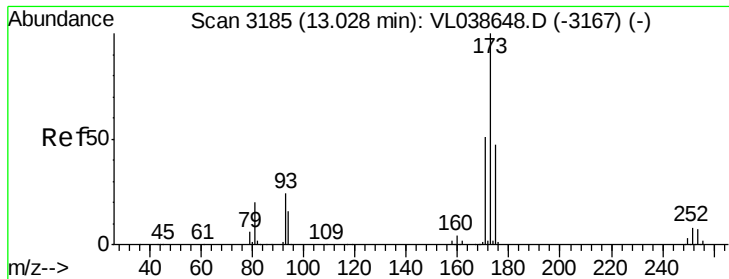
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#48  
 Dibromochloromethane  
 Concen: 11.390 ppbv  
 RT: 10.28 min Scan# 2331  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:129 Resp: 1308610  
 Ion Ratio Lower Upper  
 129 100  
 127 79.6 39.5 118.5





#49

Bromoform

Concen: 11.528 ppbv

RT: 13.02

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

Tot Ion:1

Ion Ratio

173 100

175 51.

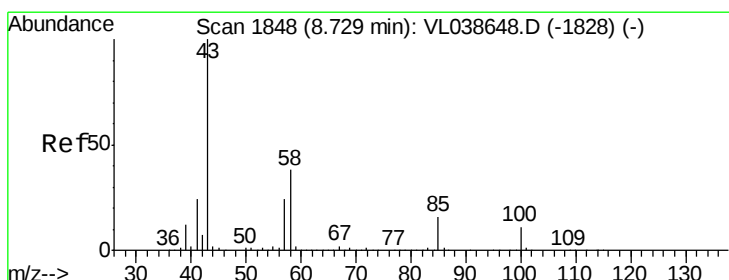
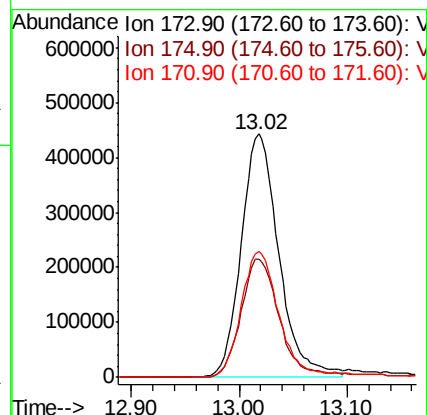
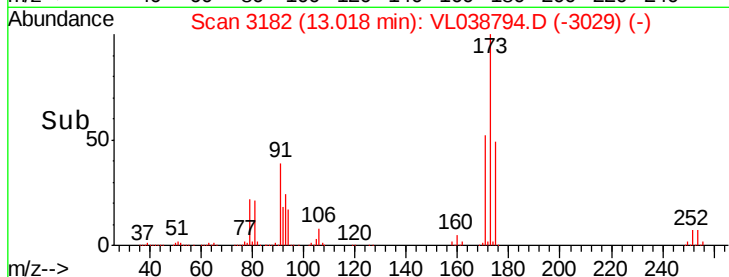
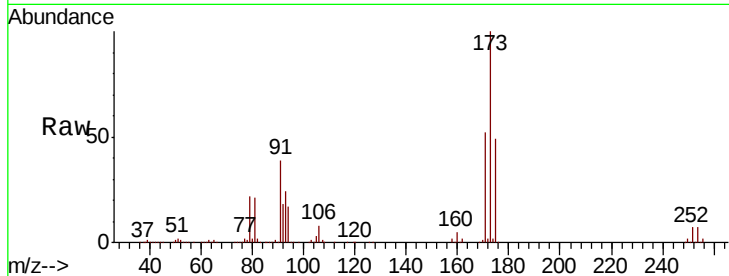
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#50

4-Methyl-2-Pentanone

Concen: 10.429 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL038794.D

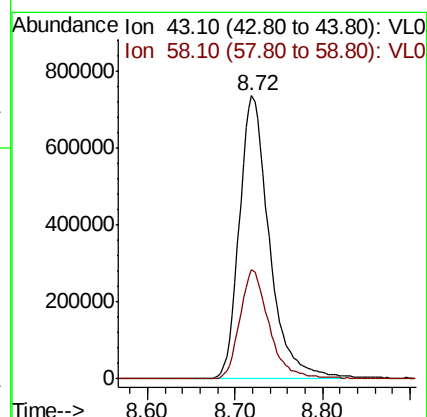
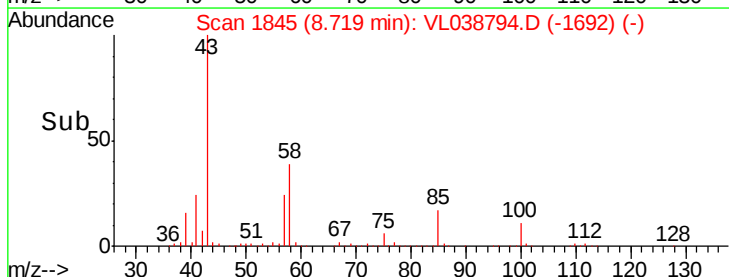
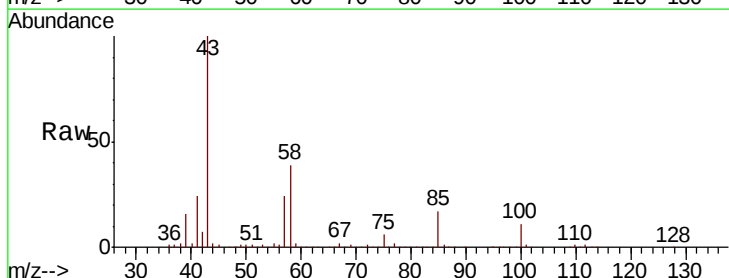
Acq: 30 Mar 2022 12:18

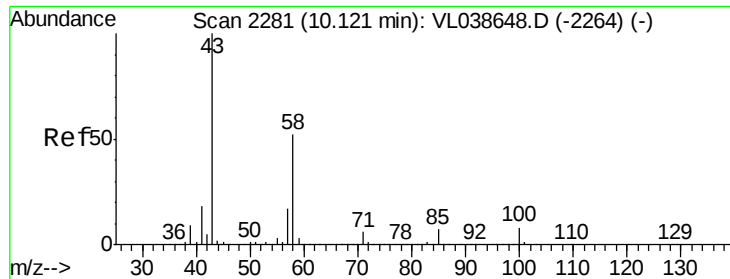
Tgt Ion: 43 Resp: 1747286

Ion Ratio Lower Upper

43 100

58 38.0 29.9 44.9





#51

2-Hexanone

Concen: 11.135 ppbv

RT: 10.11

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

43 100

58 52.

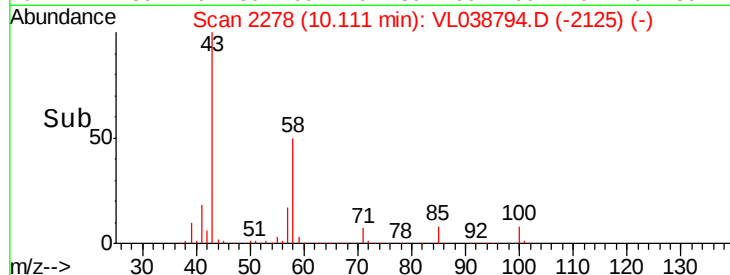
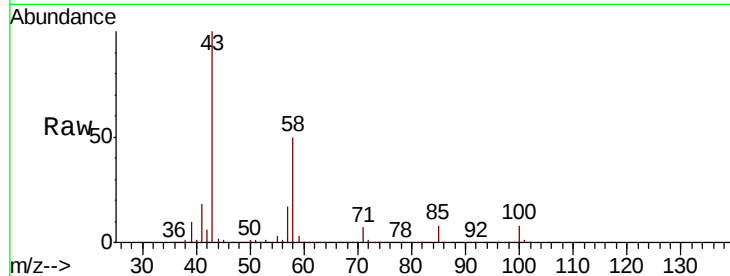
98 0.

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Reviewed By :Semsettin Yesilyurt 04/02/2022

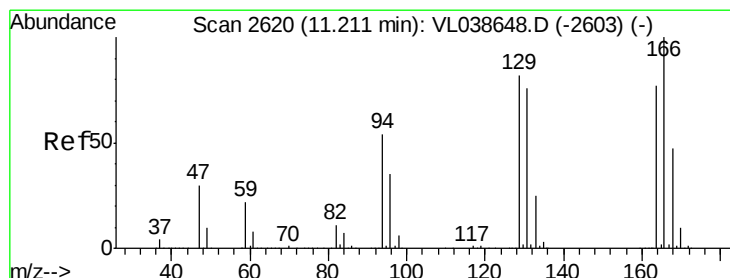
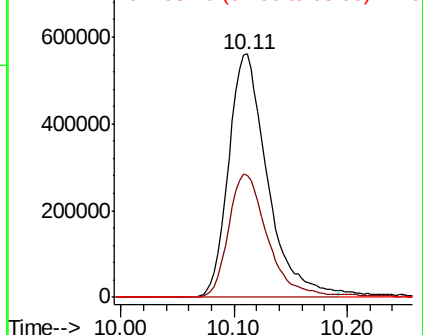
Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.400 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion:164 Resp: 668773

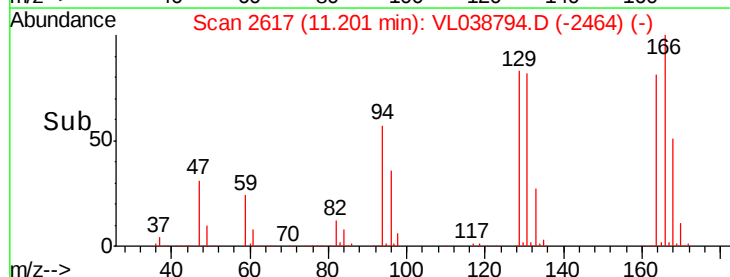
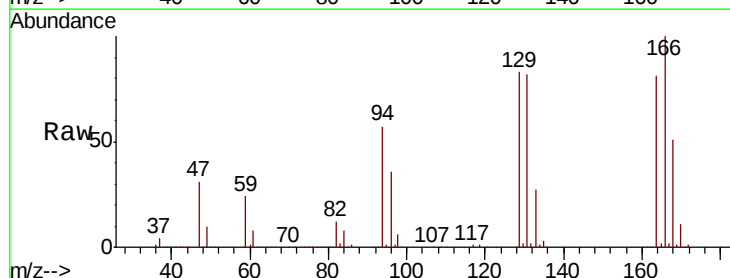
Ion Ratio Lower Upper

164 100

166 124.2 103.3 154.9

129 102.9 85.2 127.8

131 101.3 78.3 117.5

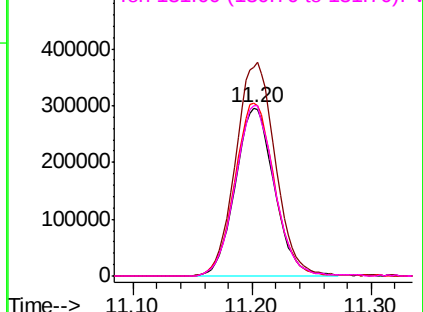


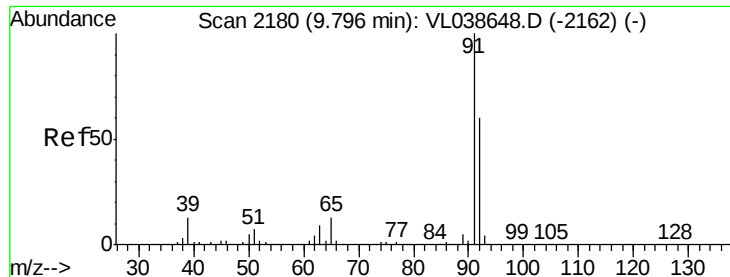
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.968 ppbv

RT: 9.79

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion:

Ion Ratio

91 100

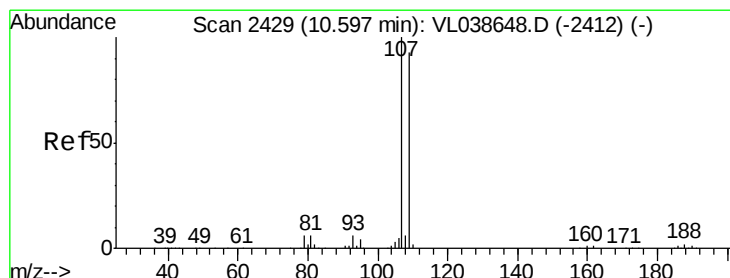
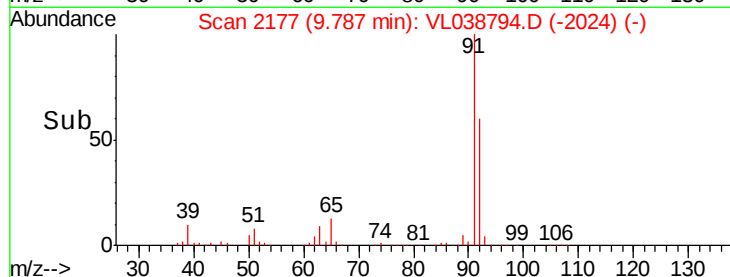
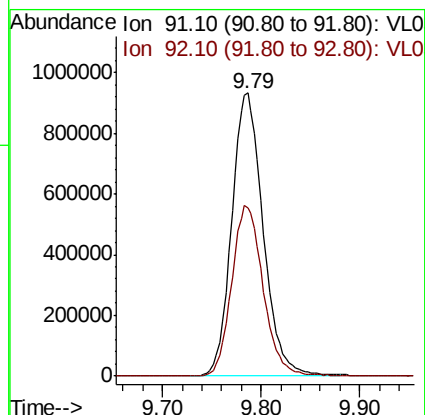
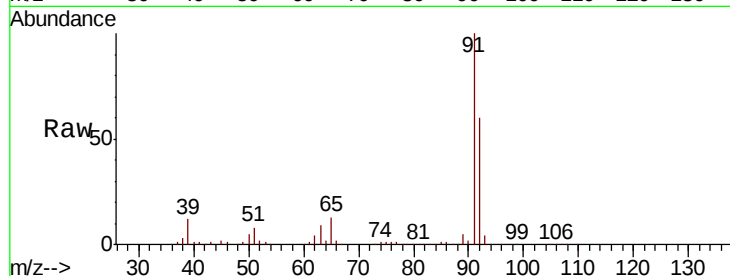
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#54

1,2-Dibromoethane

Concen: 11.118 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038794.D

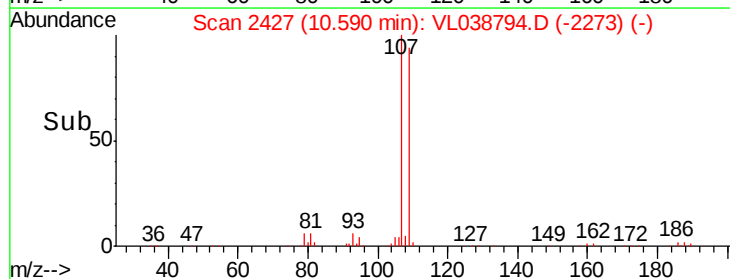
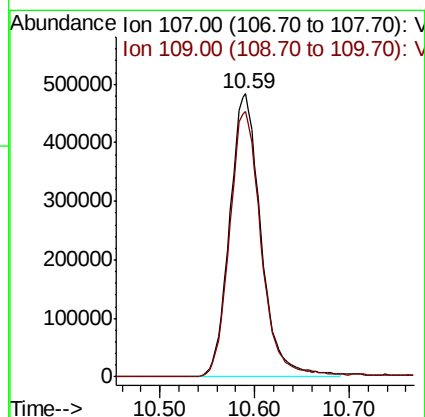
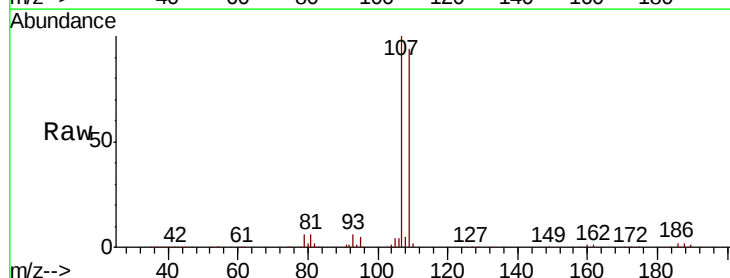
Acq: 30 Mar 2022 12:18

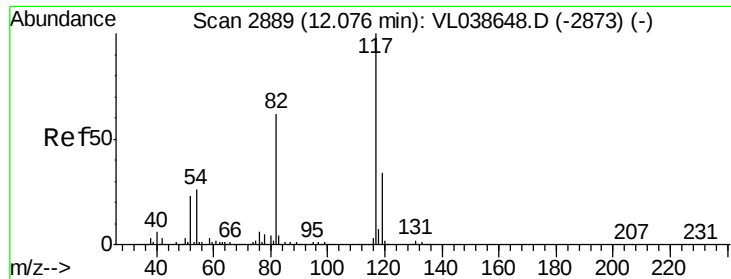
Tgt Ion:107 Resp: 1113507

Ion Ratio Lower Upper

107 100

109 93.8 74.1 111.1



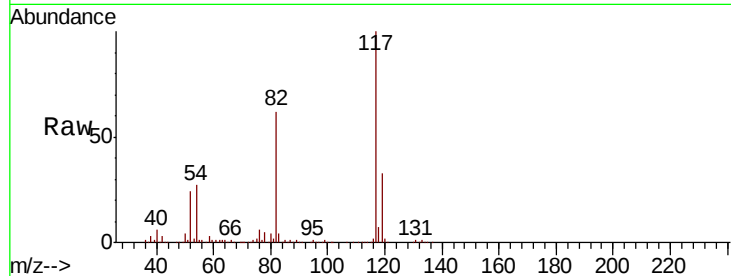


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.06  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 30 Mar 2022 12:18

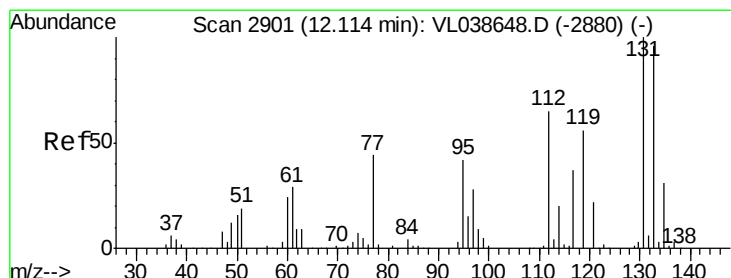
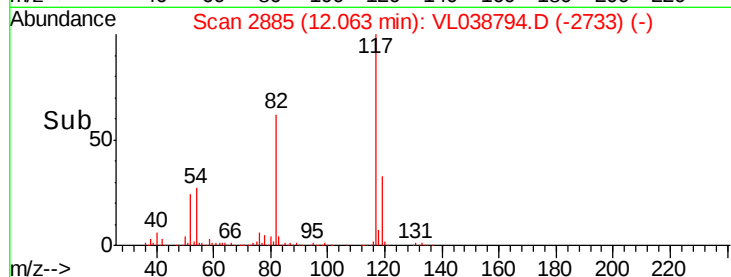
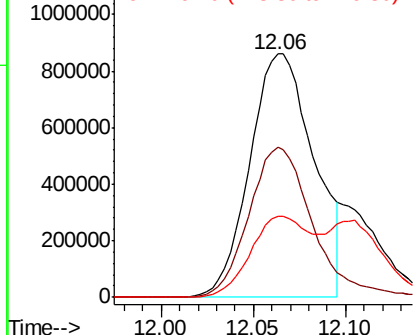
Tot Ion:1  
Ion Rati  
117 100  
82 62.  
119 31.

Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022

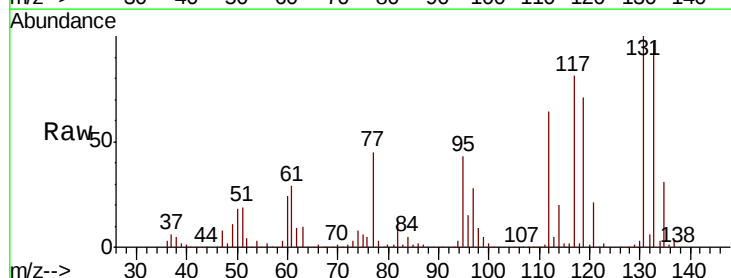


Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V

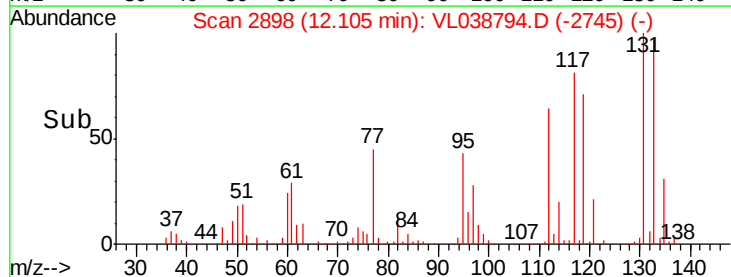
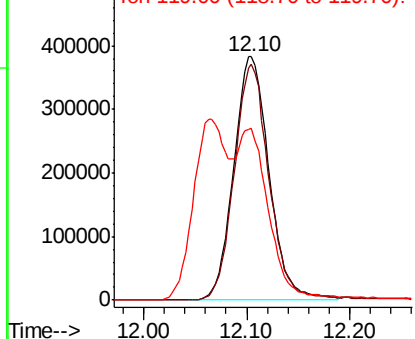


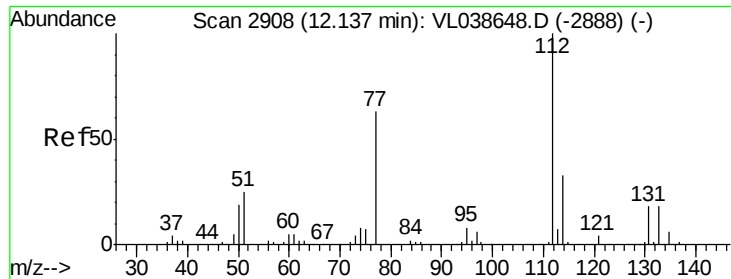
#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.548 ppbv  
RT: 12.10 min Scan# 2898  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion:131 Resp: 914330  
Ion Ratio Lower Upper  
131 100  
133 96.9 77.3 115.9  
119 66.9 53.0 79.6



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



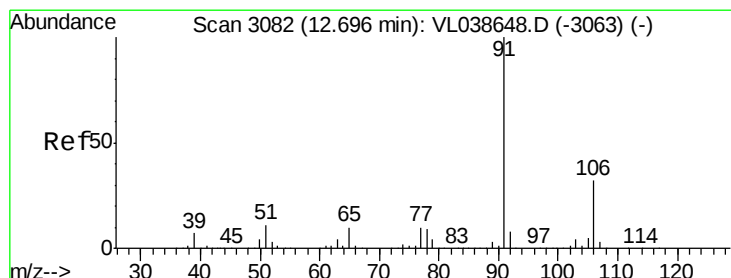
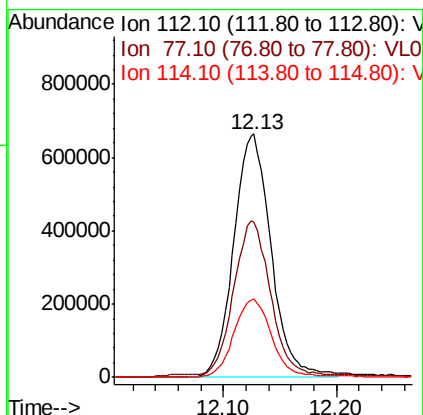
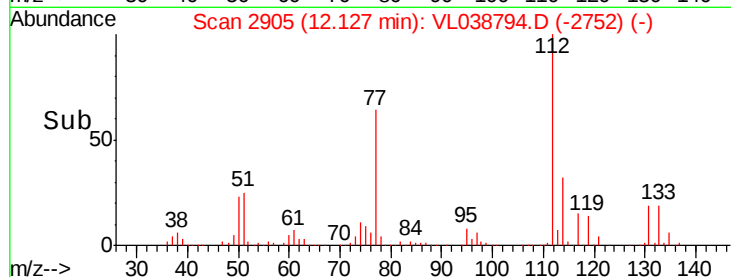
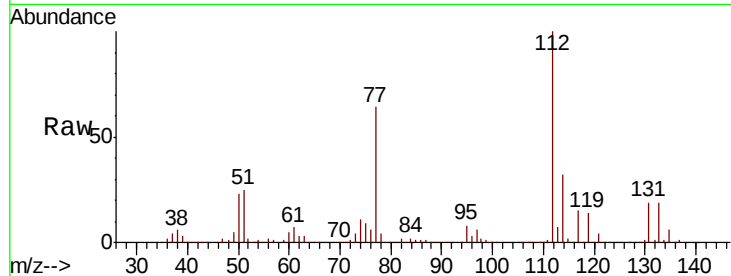


#57  
Chlorobenzene  
Concen: 10.156 ppbv  
RT: 12.13 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010  
Acq: 30 Mar 2022 12:18

Tot Ion: 1  
Ion Ratio  
112 100  
77 62.  
114 32.

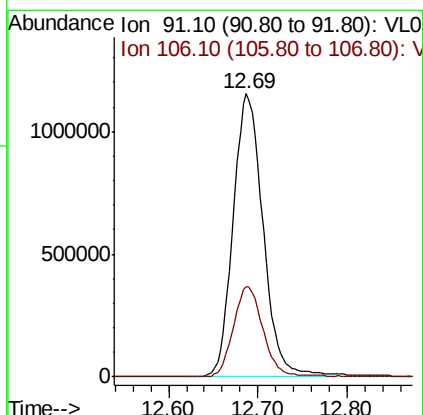
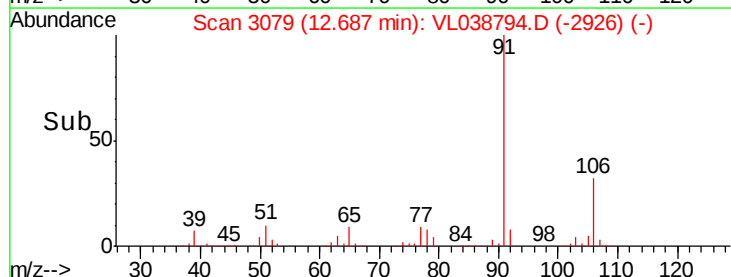
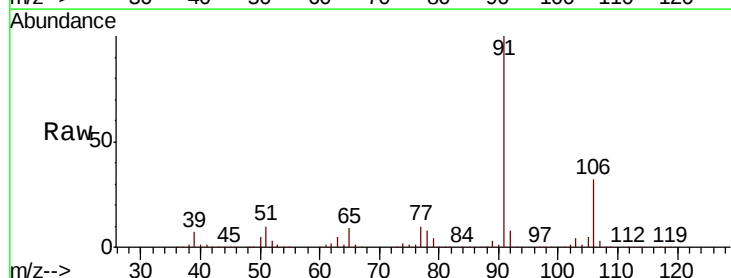
Manual Integrations  
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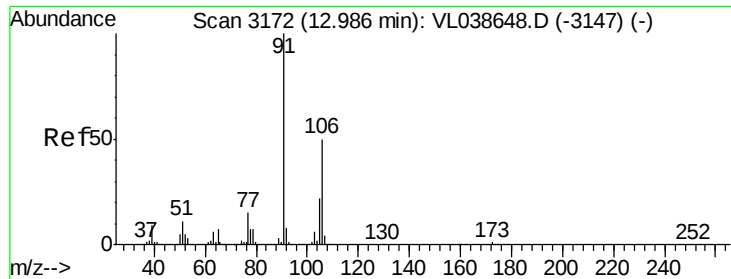
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#58  
Ethyl Benzene  
Concen: 11.015 ppbv  
RT: 12.69 min Scan# 3079  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 2692443  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.4 38.0



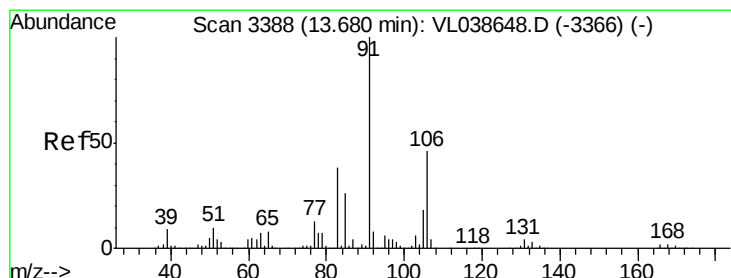
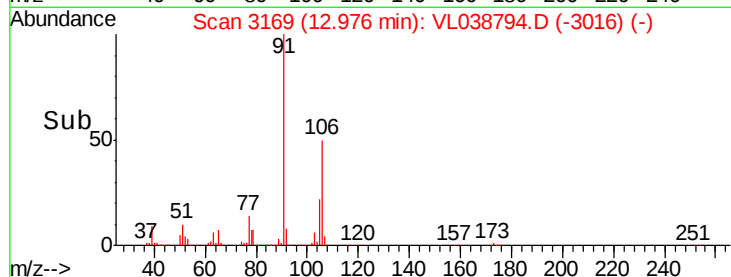
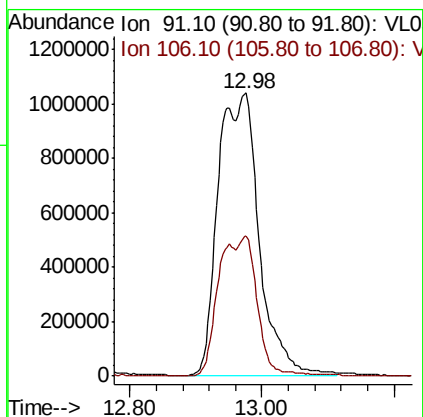
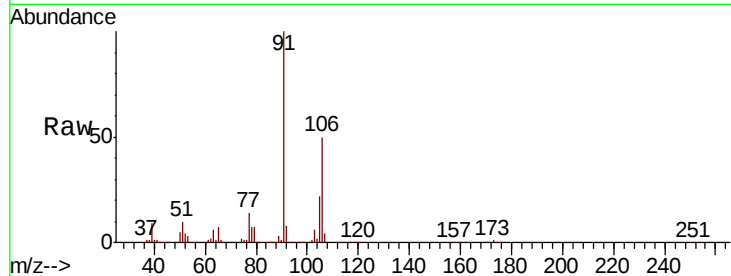


#59  
m/p-Xylene  
Concen: 21.167 ppbv m  
RT: 12.98 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 30 Mar 2022 12:18

Tot Ion:  
Ion Ratio  
91 100  
106 46.

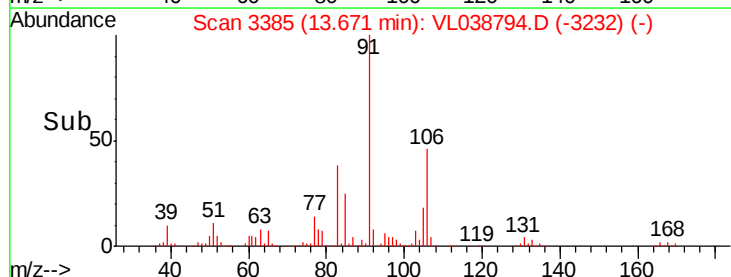
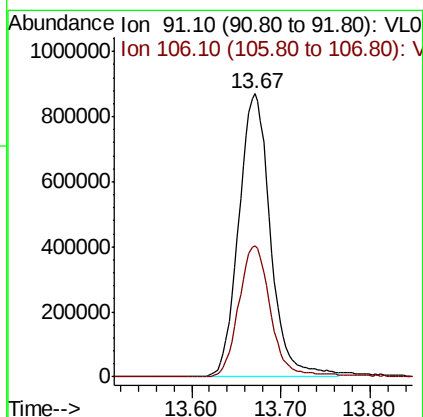
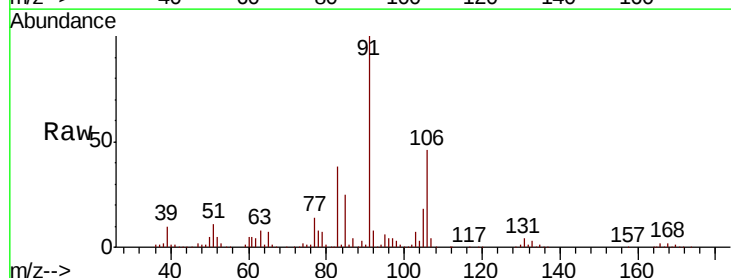
Manual Integrations  
APPROVED

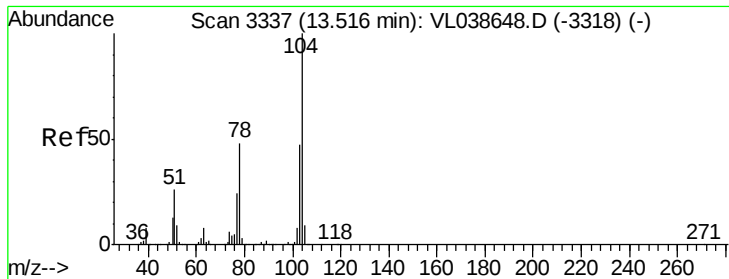
Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



#60  
o-Xylene  
Concen: 10.587 ppbv  
RT: 13.67 min Scan# 3385  
Delta R.T. -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 2149339  
Ion Ratio Lower Upper  
91 100  
106 47.2 23.5 70.5





#61

Stvrene

Concen: 11.768 ppbv

RT: 13.51

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion:1

Ion Rati

104 100

78 49.

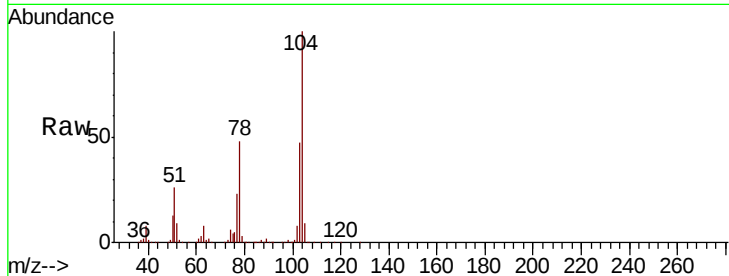
103 47.

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APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

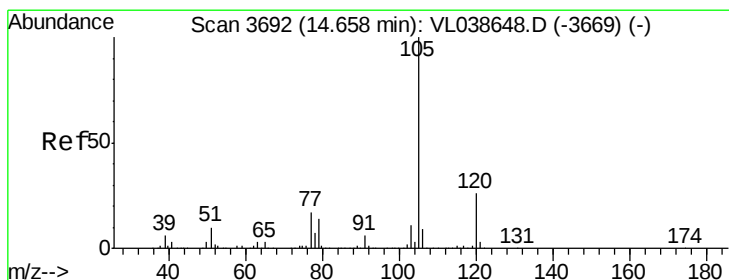
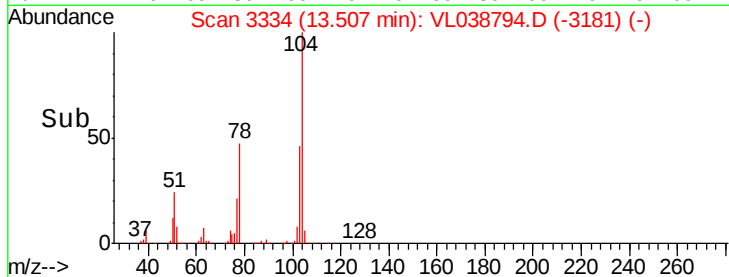
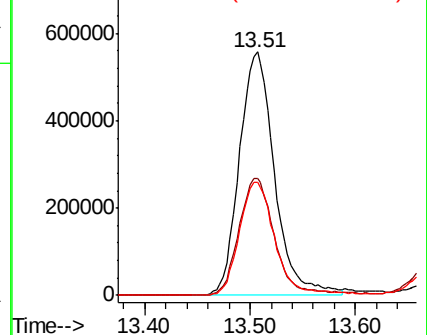
Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.346 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.01 min

Lab File: VL038794.D

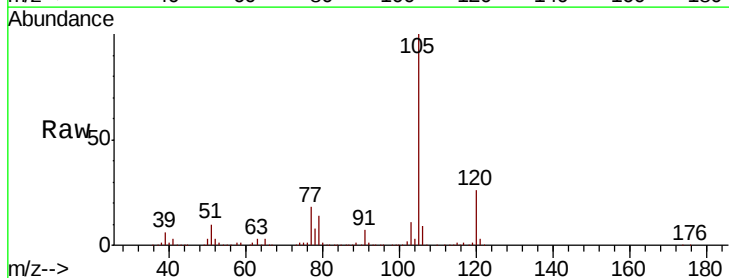
Acq: 30 Mar 2022 12:18

Tgt Ion:105 Resp: 3157751

Ion Ratio Lower Upper

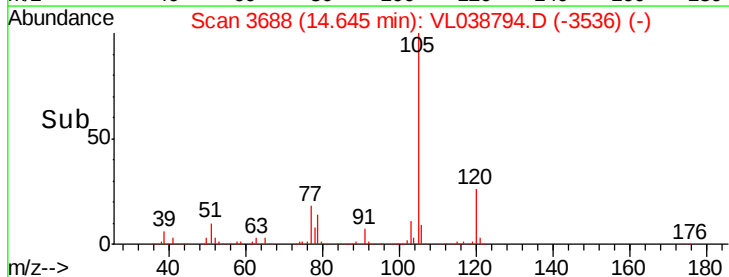
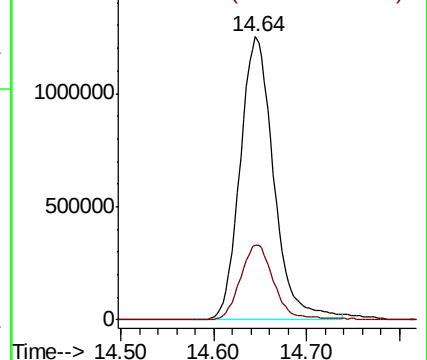
105 100

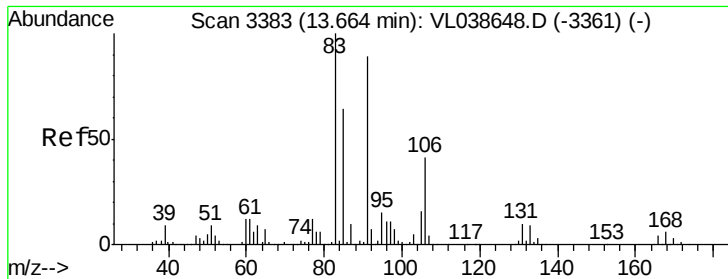
120 26.8 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



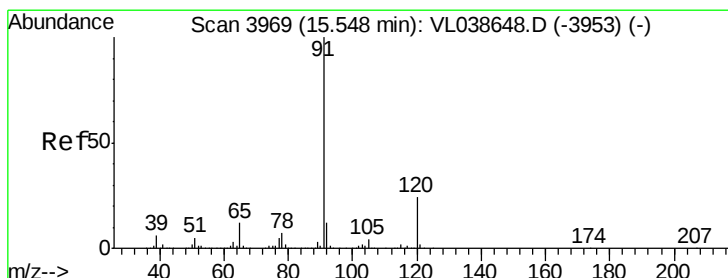
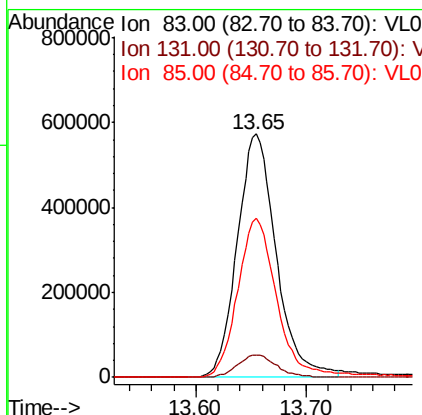
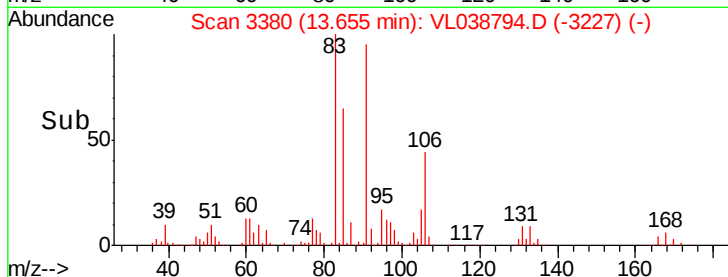
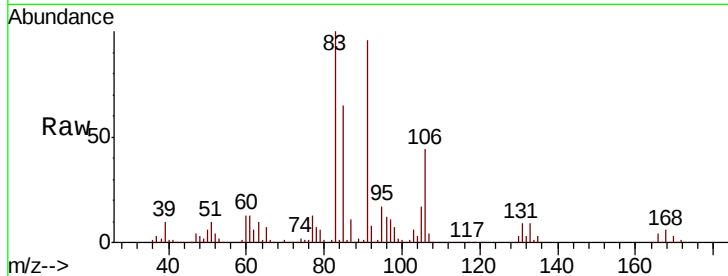


#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 8.905 ppbv  
 RT: 13.65  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 83 100  
 131 9.  
 85 67.

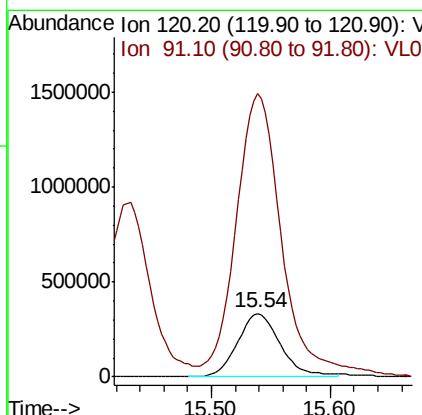
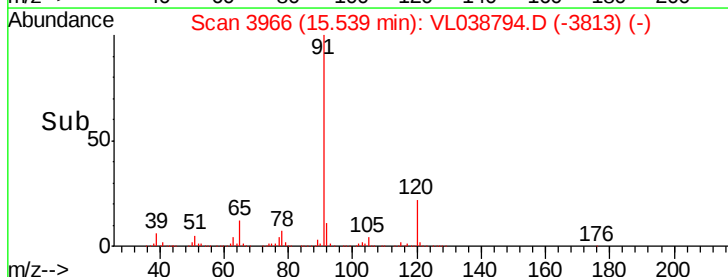
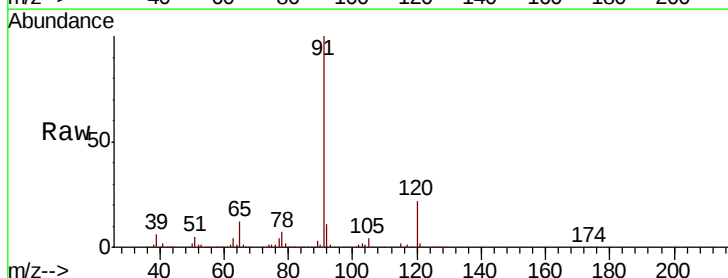
Manual Integrations  
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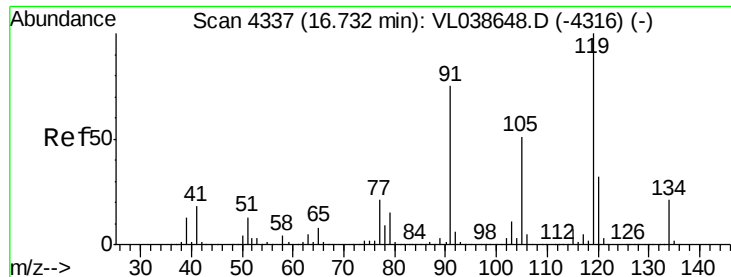
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#64  
 n-propylbenzene  
 Concen: 10.419 ppbv  
 RT: 15.54 min Scan# 3966  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:120 Resp: 834413  
 Ion Ratio Lower Upper  
 120 100  
 91 477.4 368.0 552.0



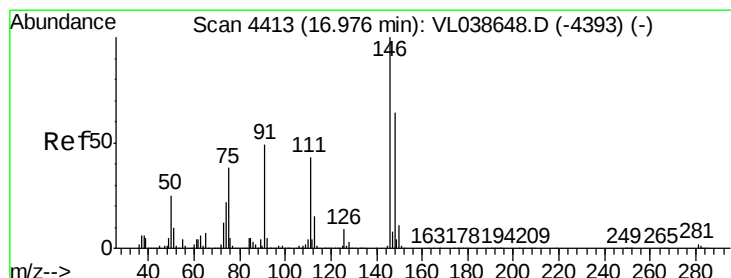
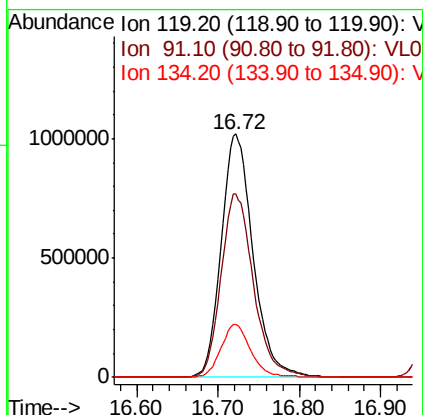
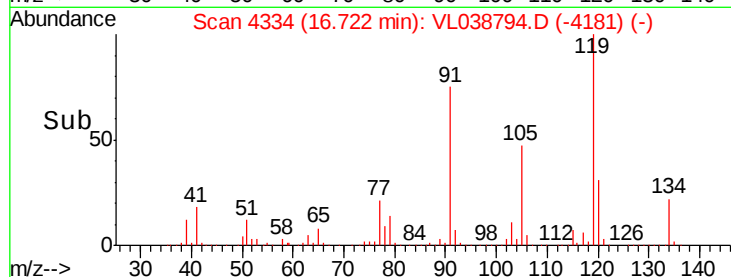
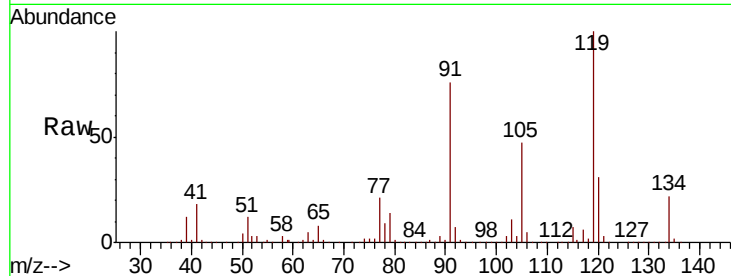


#65  
tert-Butylbenzene  
Concen: 10.226 ppbv  
RT: 16.72 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 30 Mar 2022 12:18

Tot Ion: 1  
Ion Ratio  
119 100  
91 77.  
134 20.

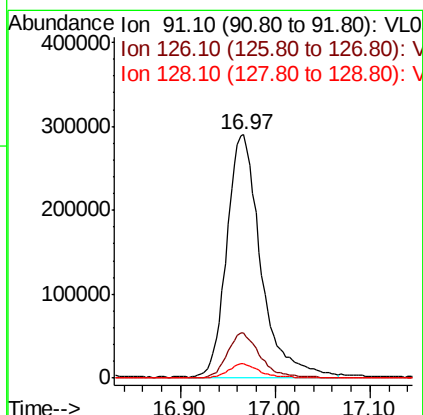
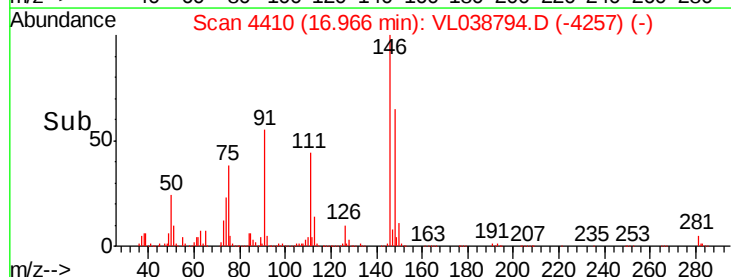
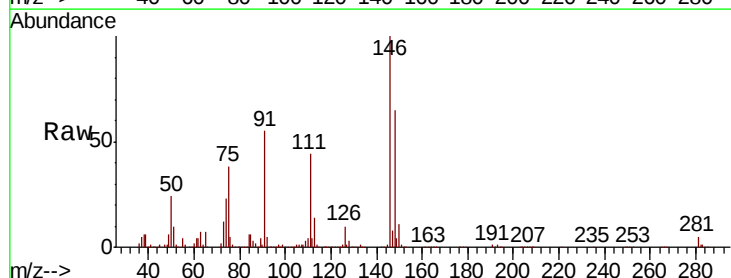
Manual Integrations  
APPROVED

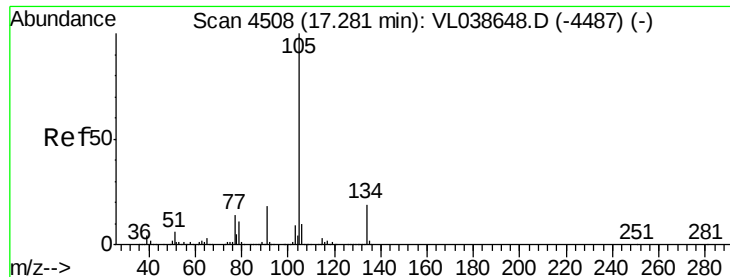
Reviewed By : Semsettin Yesilyurt 04/02/2022  
Supervised By : Mahesh Dadoda 04/04/2022



#66  
Benzyl Chloride  
Concen: 13.891 ppbv  
RT: 16.97 min Scan# 4410  
Delta R.T.: -0.01 min  
Lab File: VL038794.D  
Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 721358  
Ion Ratio Lower Upper  
91 100  
126 18.4 14.3 21.5  
128 5.8 4.6 6.8





#67

sec-Butylbenzene

Concen: 10.173 ppbv

RT: 17.27

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion:1

Ion Ratio

105 100

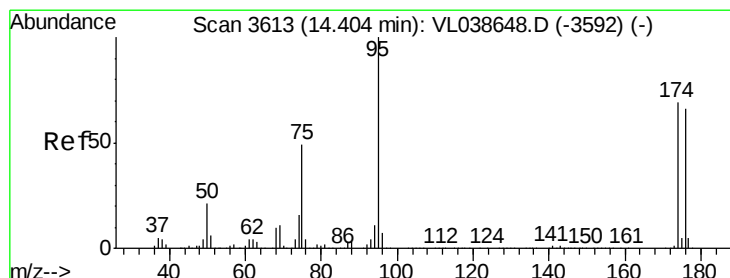
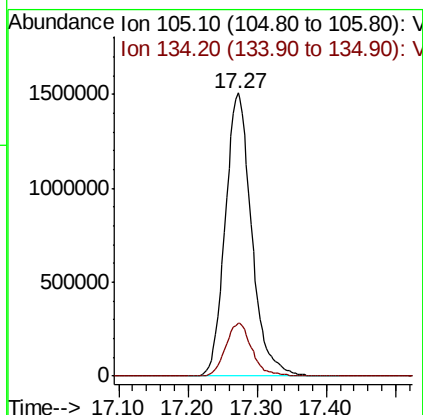
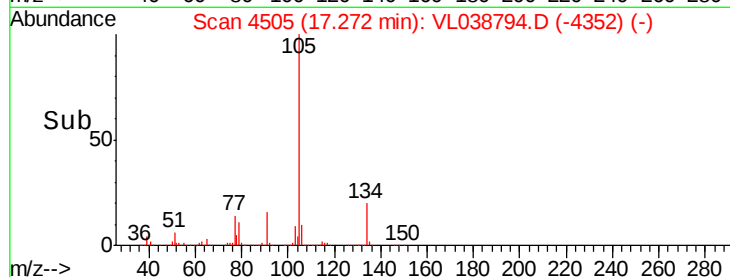
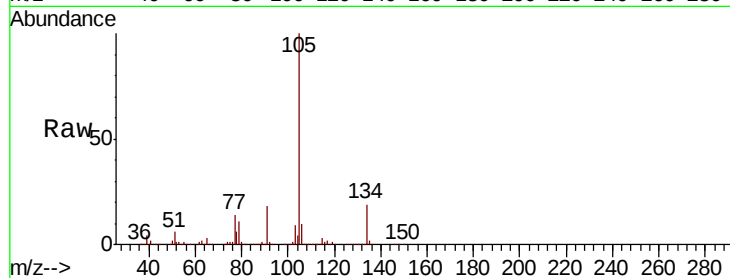
134 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.850 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

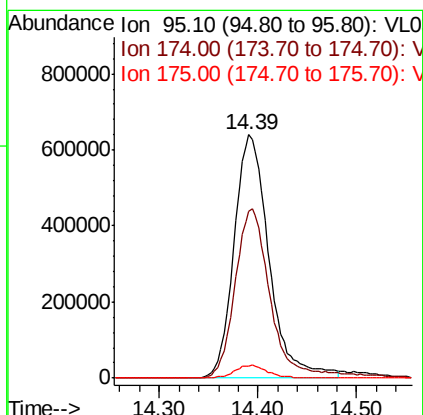
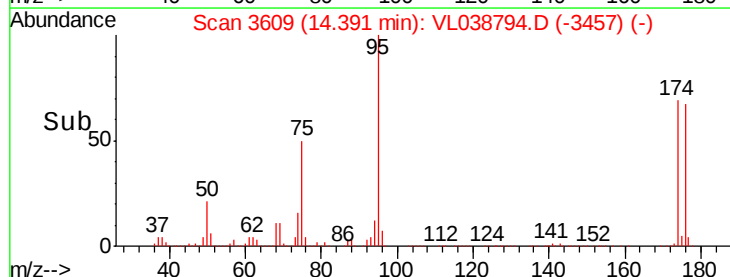
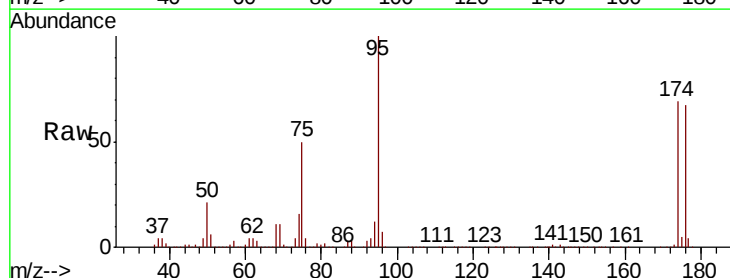
Tgt Ion: 95 Resp: 1579019

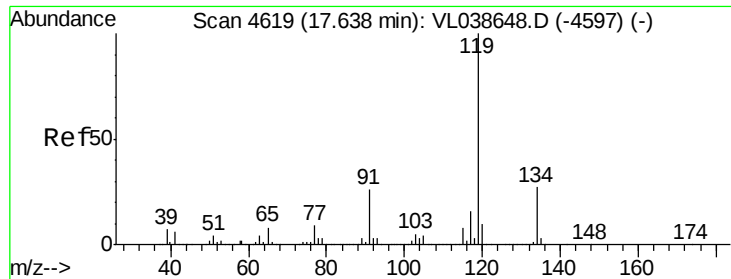
Ion Ratio Lower Upper

95 100

174 71.5 56.1 84.1

175 5.1 4.2 6.2



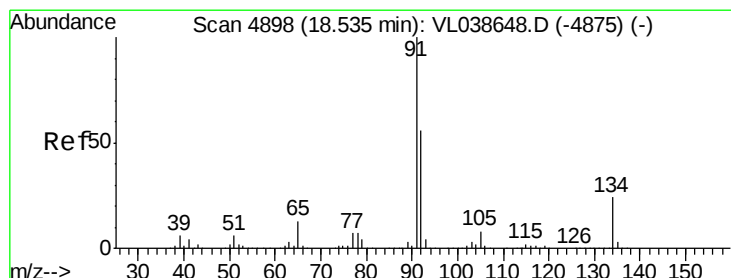
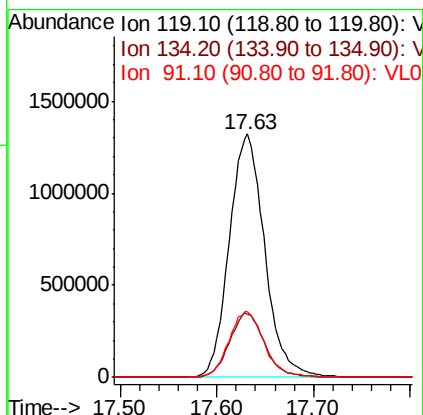
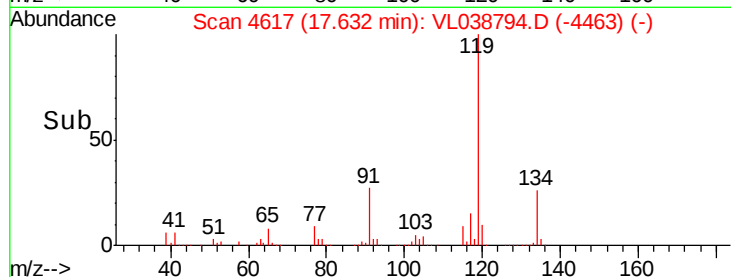
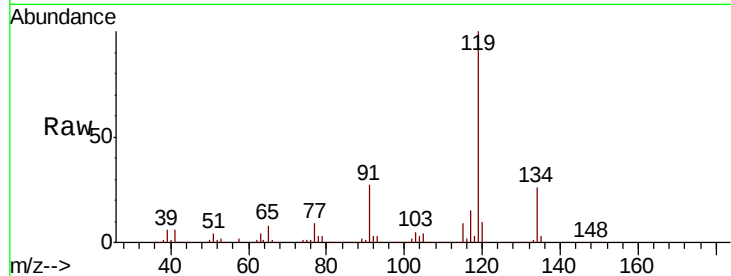


#69  
 p-Isopropyltoluene  
 Concen: 10.467 ppbv  
 RT: 17.63 min  
 Delta R.T.: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 30 Mar 2022 12:18

Tot Ion: 1  
 Ion Ratio  
 119 100  
 134 26.  
 91 26.

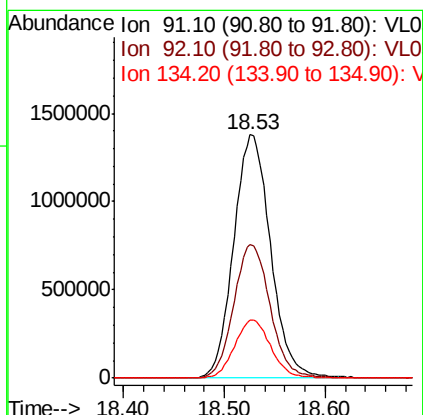
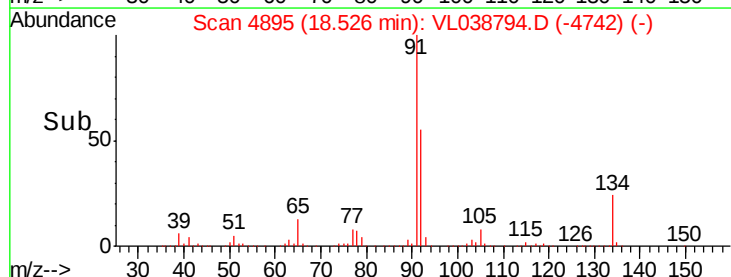
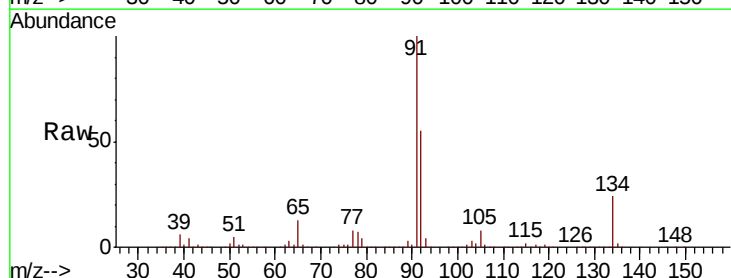
Manual Integrations  
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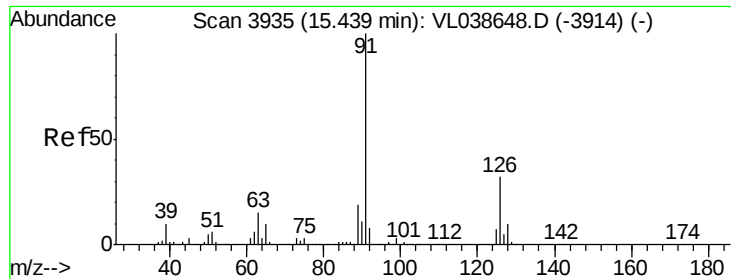
Reviewed By : Semsettin Yesilyurt 04/02/2022  
 Supervised By : Mahesh Dadoda 04/04/2022



#70  
 n-Butylbenzene  
 Concen: 10.572 ppbv  
 RT: 18.53 min Scan# 4895  
 Delta R.T.: -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 3490593  
 Ion Ratio Lower Upper  
 91 100  
 92 54.8 43.9 65.9  
 134 23.6 18.7 28.1



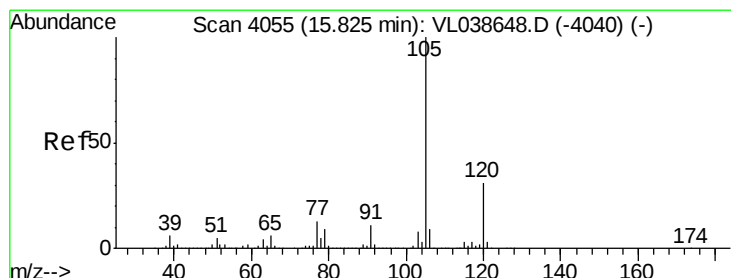
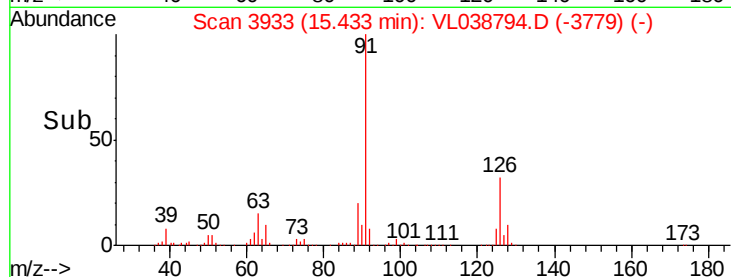
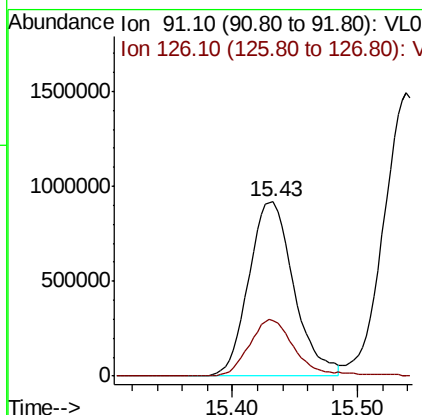
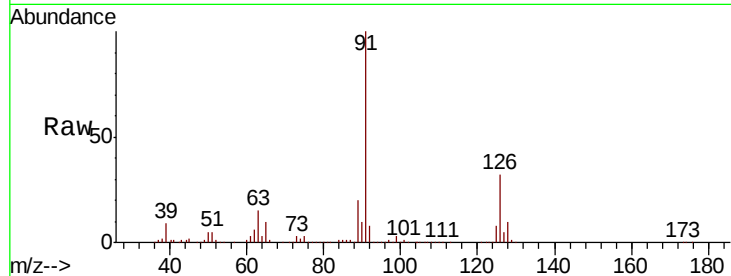


#71  
 2-Chlorotoluene  
 Concen: 10.141 ppbv  
 RT: 15.43 min  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:  
 Ion Ratio  
 91 100  
 126 33.

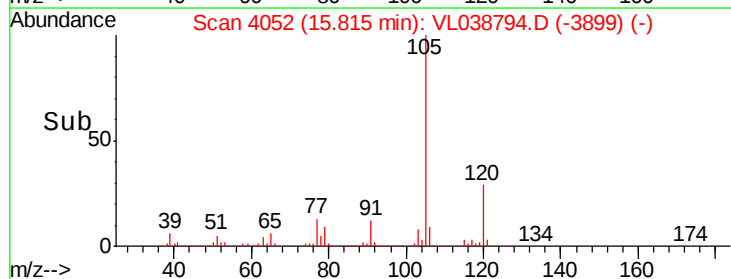
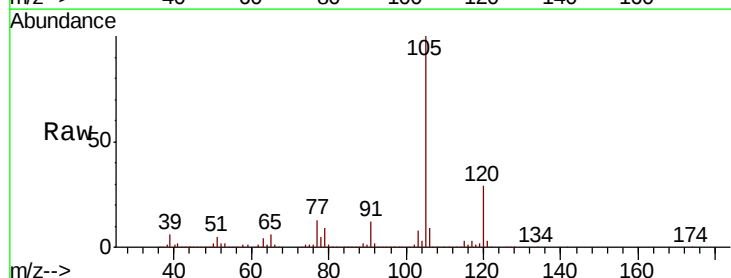
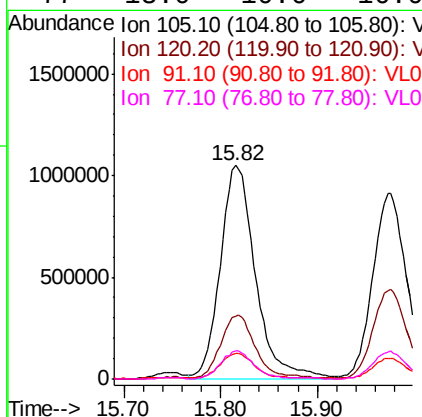
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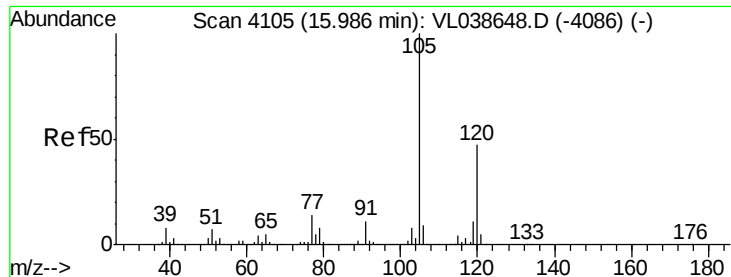
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#72  
 4-Ethyltoluene  
 Concen: 11.083 ppbv  
 RT: 15.82 min Scan# 4052  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:105 Resp: 2656123  
 Ion Ratio Lower Upper  
 105 100  
 120 30.0 24.9 37.3  
 91 11.5 9.8 14.6  
 77 13.0 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 10.593 ppbv

RT: 15.97 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion:1

Ion Ratio

105 100

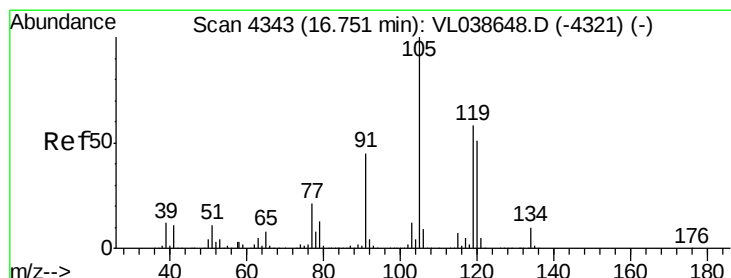
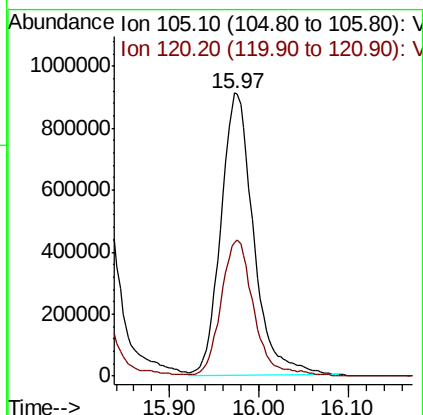
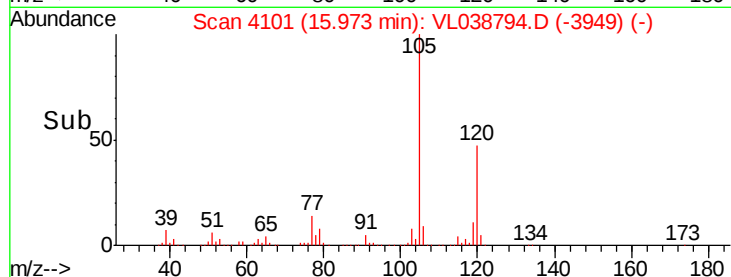
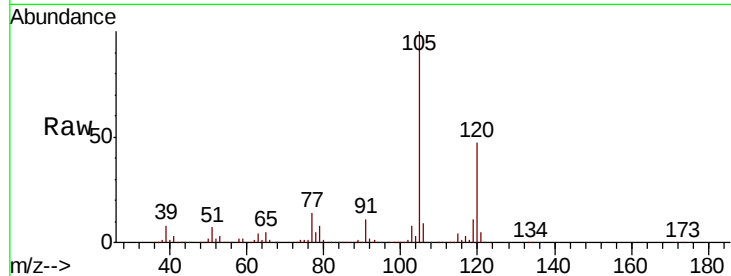
120 47.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022

Supervised By :Mahesh Dadoda 04/04/2022



#74

1,2,4-Trimethylbenzene

Concen: 10.360 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion:105 Resp: 2464328

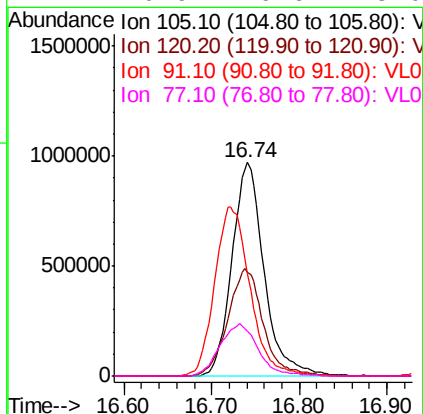
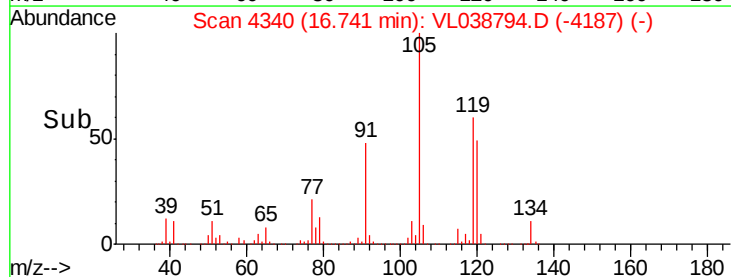
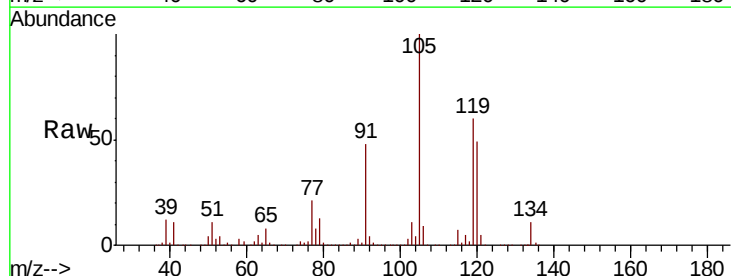
Ion Ratio Lower Upper

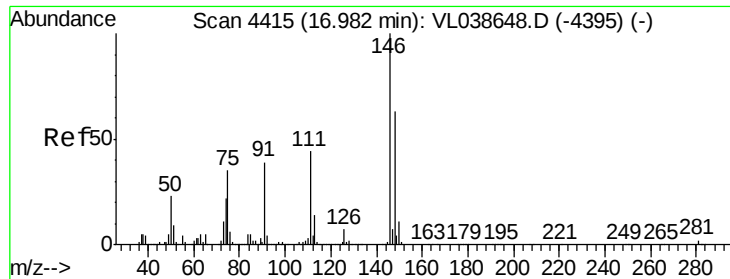
105 100

120 48.7 40.5 60.7

91 47.9 35.9 53.9

77 20.9 16.6 25.0



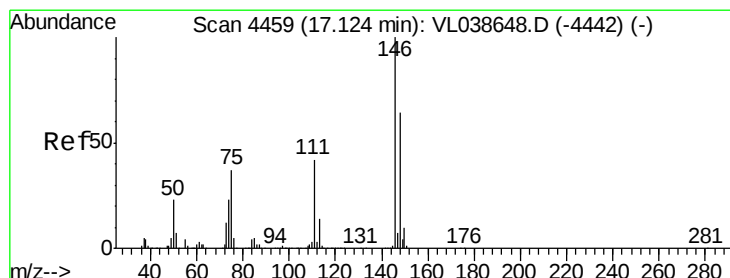
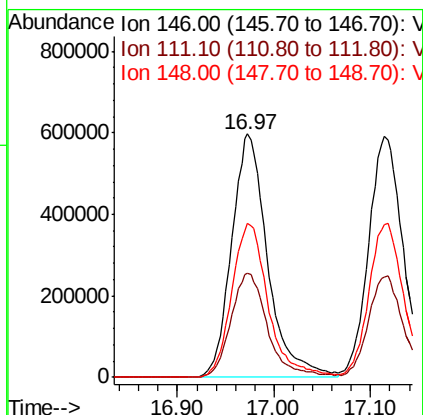
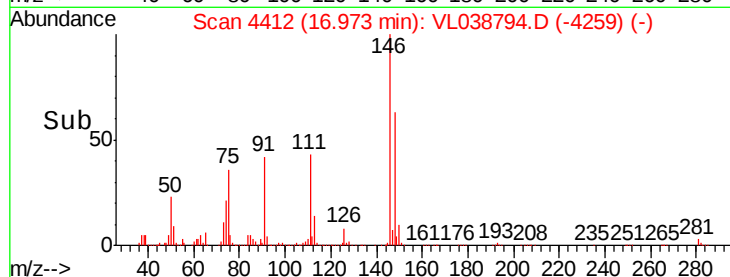
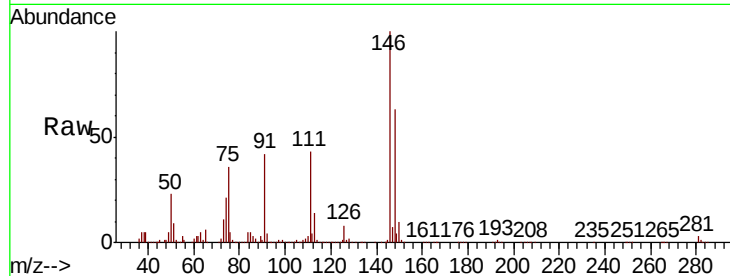


#75  
 1,3-Dichlorobenzene  
 Concen: 10.190 ppbv  
 RT: 16.97  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:1  
 Ion Rati  
 146 100  
 111 43.  
 148 64.

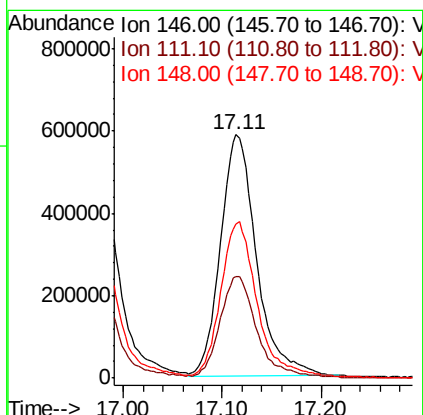
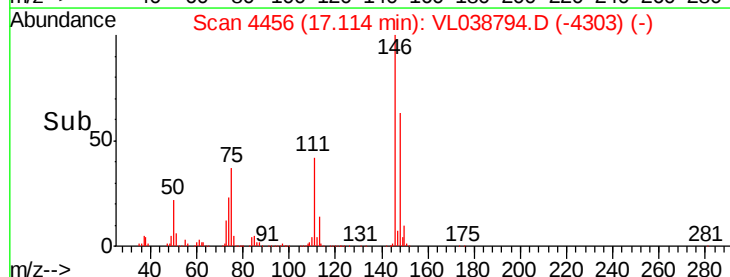
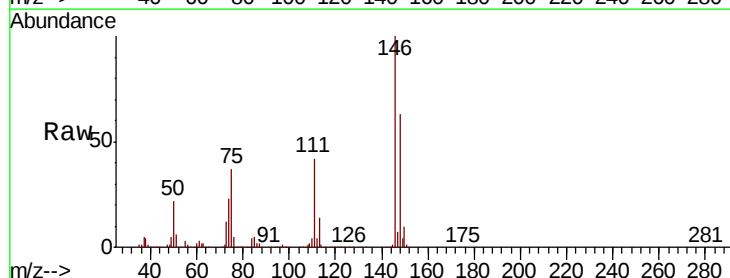
Manual Integrations  
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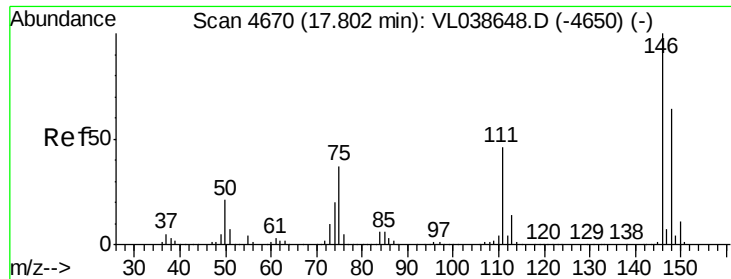
Reviewed By :Semsettin Yesilyurt 04/02/2022  
 Supervised By :Mahesh Dadoda 04/04/2022



#76  
 1,4-Dichlorobenzene  
 Concen: 10.002 ppbv  
 RT: 17.11 min Scan# 4456  
 Delta R.T. -0.01 min  
 Lab File: VL038794.D  
 Acq: 30 Mar 2022 12:18

Tgt Ion:146 Resp: 1507082  
 Ion Ratio Lower Upper  
 146 100  
 111 43.2 21.4 64.2  
 148 65.9 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 10.028 ppbv

RT: 17.79

Delta R.T. MSVOA\_L

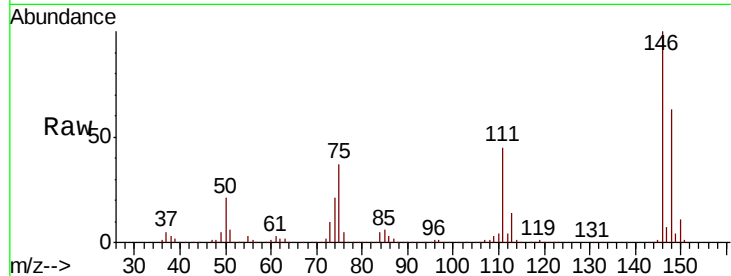
Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

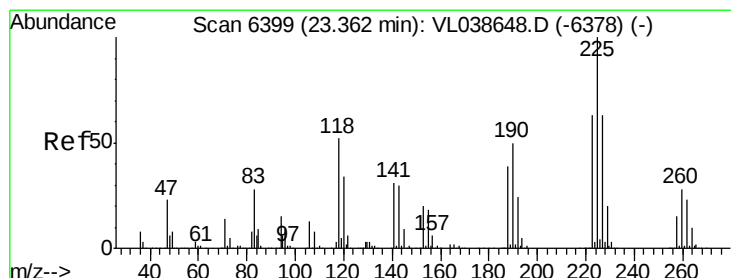
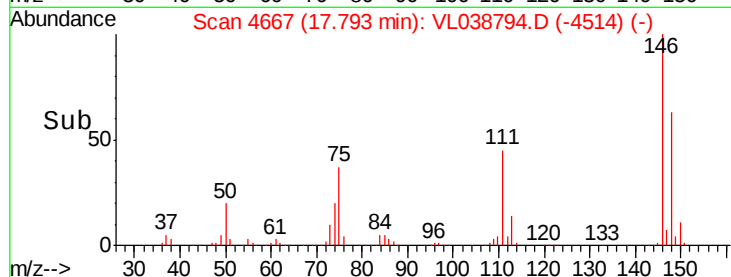
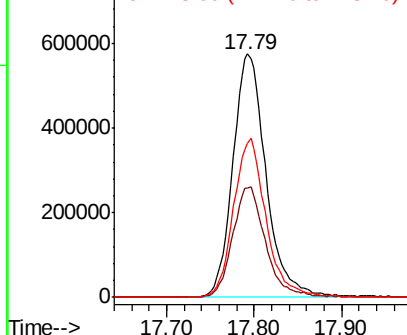
Tot Ion:1  
Ion Rati  
146 100  
111 45.  
148 64.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/02/2022  
Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 146.00 (145.70 to 146.70): V  
Ion 111.10 (110.80 to 111.80): V  
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.292 ppbv

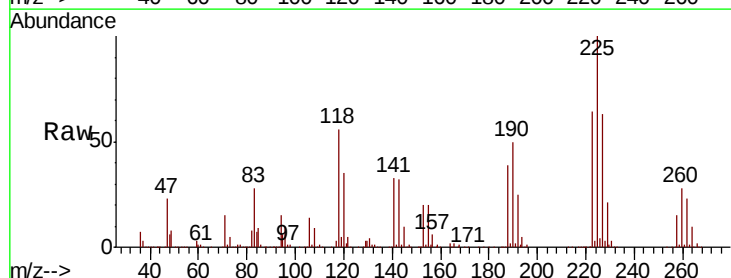
RT: 23.35 min Scan# 6396

Delta R.T. -0.01 min

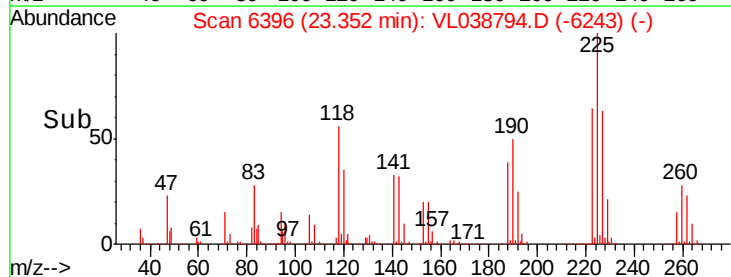
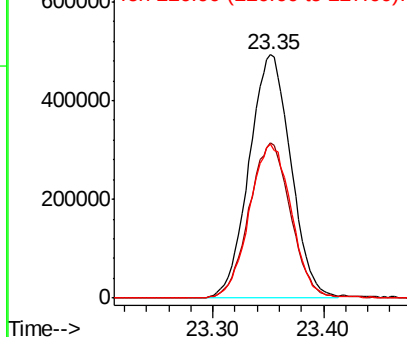
Lab File: VL038794.D

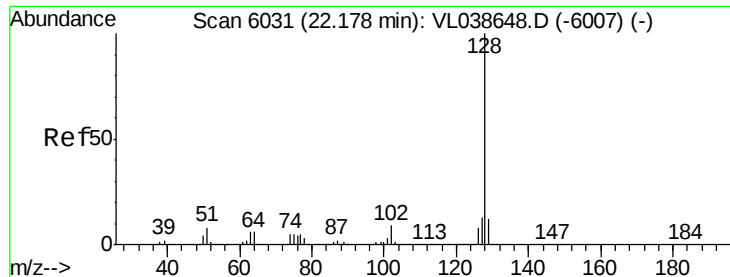
Acq: 30 Mar 2022 12:18

Tgt Ion:225 Resp: 1288944  
Ion Ratio Lower Upper  
225 100  
223 64.5 51.0 76.6  
227 64.7 51.5 77.3



Abundance Ion 224.90 (224.60 to 225.60): V  
Ion 222.90 (222.60 to 223.60): V  
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 13.090 ppbv

RT: 22.17

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

Tot Ion:1

Ion Rati

128 100

127 12.

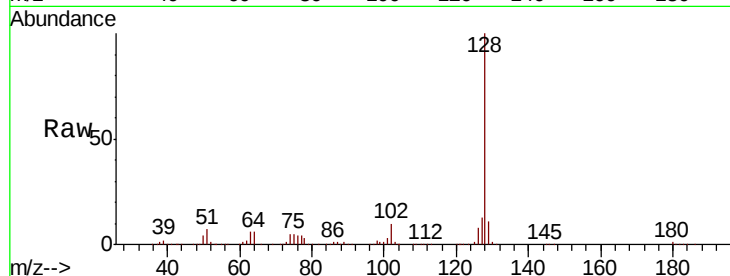
129 11.

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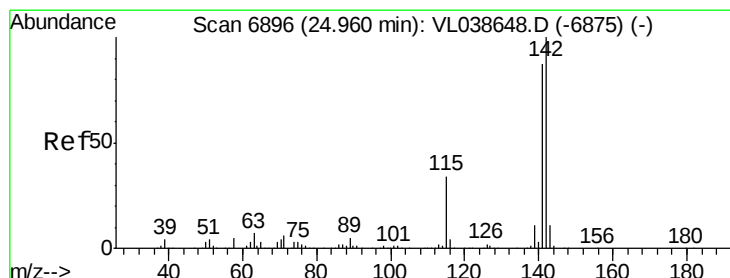
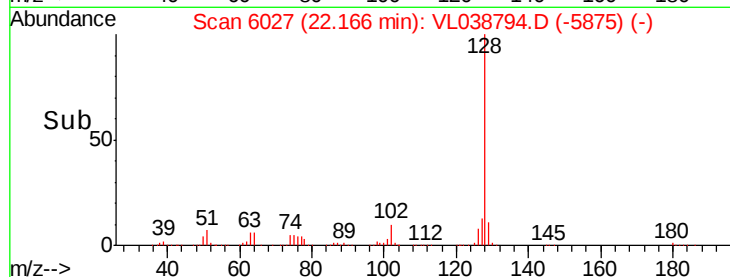
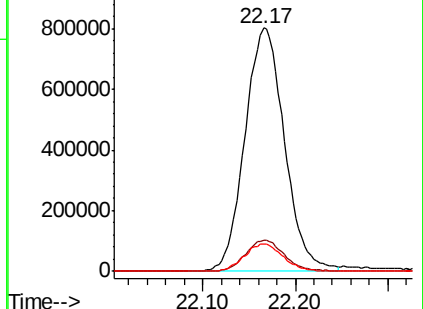
Supervised By :Mahesh Dadoda 04/04/2022



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 11.486 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

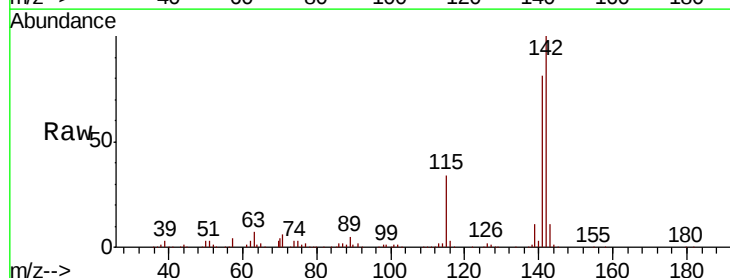
Tgt Ion:142 Resp: 559735

Ion Ratio Lower Upper

142 100

141 82.0 66.4 99.6

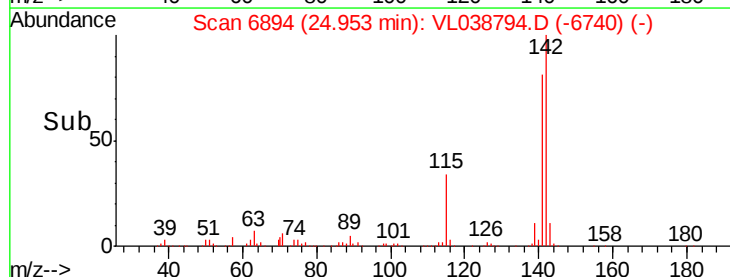
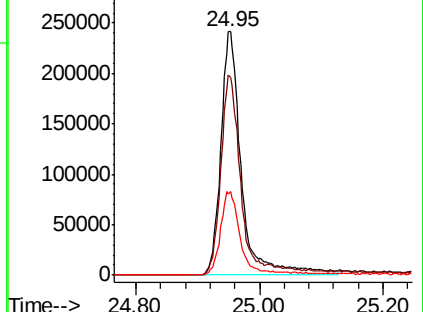
115 33.9 27.8 41.6

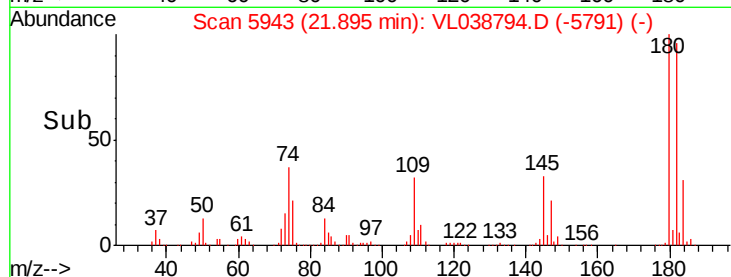
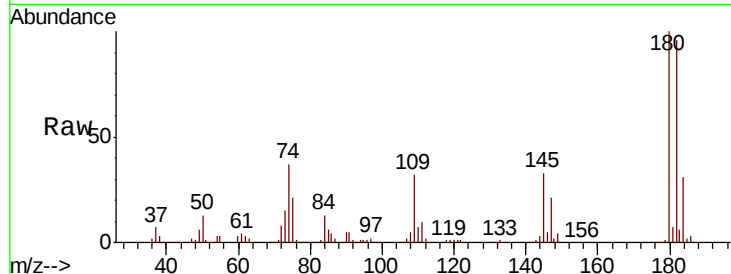
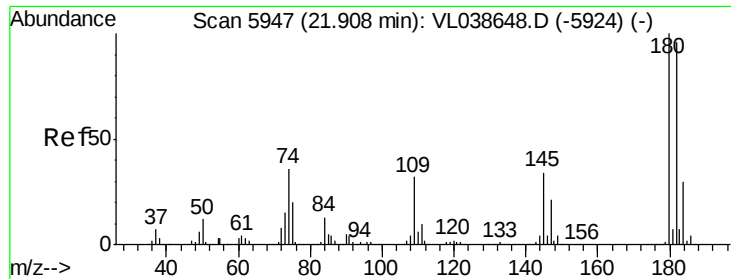


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.201 ppbv  
 RT: 21.90  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 30 Mar 2022 12:18

Tot Ion:1  
 Ion Rati  
 180 100  
 182 96.  
 184 30.

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