

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL032422\  
 Data File : VL038765.D  
 Acq On : 25 Mar 2022 14:19  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 10:42:38 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) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.70  | 49   | 838616   | 10.00 | ppbv  | 0.04     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2287614  | 10.00 | ppbv  | 0.04     |
| 55) Chlorobenzene-d5    | 12.12 | 117  | 2122148m | 10.00 | ppbv  | 0.04     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.45  | 95    | 1670232  | 10.27    | ppbv | 0.04    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.70% |

#### Target Compounds

|                                |      |     |         |       |        | Qvalue |
|--------------------------------|------|-----|---------|-------|--------|--------|
| 2) Dichlorodifluoromethane     | 3.07 | 85  | 953972  | 8.46  | ppbv   | 99     |
| 3) Chlorodifluoromethane       | 3.01 | 51  | 796310  | 8.99  | ppbv   | 97     |
| 4) Chloromethane               | 3.16 | 50  | 435353  | 8.95  | ppbv   | 100    |
| 5) Vinyl Chloride              | 3.28 | 62  | 467224  | 9.46  | ppbv   | 96     |
| 6) Bromomethane                | 3.50 | 94  | 276901  | 10.51 | ppbv   | 99     |
| 7) Chloroethane                | 3.58 | 64  | 159133  | 9.73  | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane   | 3.21 | 85  | 1121790 | 9.97  | ppbv   | 99     |
| 9) Propene                     | 3.03 | 41  | 334476  | 7.82  | ppbv   | 98     |
| 10) Heptane                    | 8.15 | 43  | 898881  | 8.79  | ppbv   | 97     |
| 11) Trichlorofluoromethane     | 3.97 | 101 | 1105083 | 11.11 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.51 | 101 | 838433  | 10.95 | ppbv   | 98     |
| 13) Ethanol                    | 3.64 | 45  | 25409m  | 5.39  | ppbv   |        |
| 14) Bromoethene                | 3.76 | 108 | 371116  | 10.90 | ppbv   | 96     |
| 15) Acetone                    | 3.87 | 43  | 739733  | 10.22 | ppbv   | 100    |
| 16) 1,3-Butadiene              | 3.35 | 39  | 400566  | 9.75  | ppbv   | 98     |
| 17) tert-Butyl alcohol         | 4.31 | 59  | 804098  | 12.72 | ppbv   | 99     |
| 18) 1,1-Dichloroethene         | 4.31 | 96  | 364206  | 10.58 | ppbv   | 98     |
| 19) Isopropyl Alcohol          | 3.99 | 45  | 390820  | 9.74  | ppbv # | 98     |
| 20) Methylene Chloride         | 4.37 | 84  | 308526  | 10.12 | ppbv   | 99     |
| 21) Allyl Chloride             | 4.44 | 41  | 571159  | 10.97 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene   | 4.91 | 96  | 390942  | 10.95 | ppbv   | 100    |
| 23) Vinyl Acetate              | 5.10 | 43  | 522952  | 7.46  | ppbv # | 99     |
| 24) 1,1-Dichloroethane         | 5.04 | 63  | 732927  | 10.62 | ppbv   | 99     |
| 25) Ethyl Acetate              | 5.70 | 43  | 1831172 | 10.05 | ppbv   | 99     |
| 26) Hexane                     | 5.72 | 57  | 727535  | 8.92  | ppbv   | 91     |
| 27) Carbon Disulfide           | 4.58 | 76  | 953863  | 11.92 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether    | 5.06 | 73  | 671570  | 11.05 | ppbv   | 99     |
| 29) Chloroform                 | 5.78 | 83  | 1223044 | 9.37  | ppbv   | 100    |
| 30) Cyclohexane                | 7.16 | 84  | 637673  | 8.99  | ppbv   | 95     |
| 31) cis-1,2-Dichloroethene     | 5.57 | 61  | 730244  | 9.52  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane      | 6.54 | 97  | 1200198 | 9.52  | ppbv   | 99     |
| 34) 2-Butanone                 | 5.27 | 43  | 936866  | 10.35 | ppbv   | 97     |
| 35) Carbon Tetrachloride       | 7.05 | 117 | 1280684 | 9.65  | ppbv   | 99     |
| 36) Benzene                    | 6.92 | 78  | 1547525 | 8.77  | ppbv   | 99     |
| 37) 1,2-Dichloroethane         | 6.34 | 62  | 839041  | 9.34  | ppbv   | 99     |
| 38) Trichloroethene            | 7.87 | 130 | 659825  | 8.92  | ppbv   | 99     |
| 39) 1,2-Dichloropropane        | 7.64 | 63  | 582709  | 8.44  | ppbv   | 99     |
| 40) 1,4-Dioxane                | 7.86 | 88  | 147446m | 6.15  | ppbv   |        |
| 41) Tetrahydrofuran            | 6.08 | 42  | 569525  | 8.45  | ppbv   | 97     |
| 42) Bromodichloromethane       | 7.82 | 83  | 1278396 | 9.49  | ppbv   | 99     |
| 43) Methyl Methacrylate        | 8.04 | 69  | 657944  | 10.04 | ppbv   | 96     |

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 Acq On : 25 Mar 2022 14:19  
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 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 10:42:38 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL032122A

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:

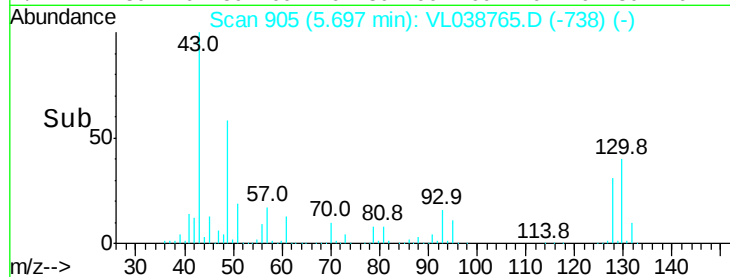
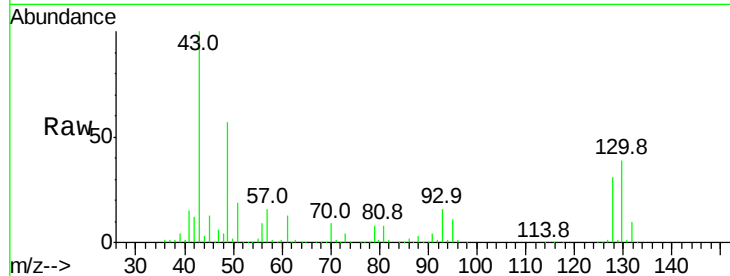
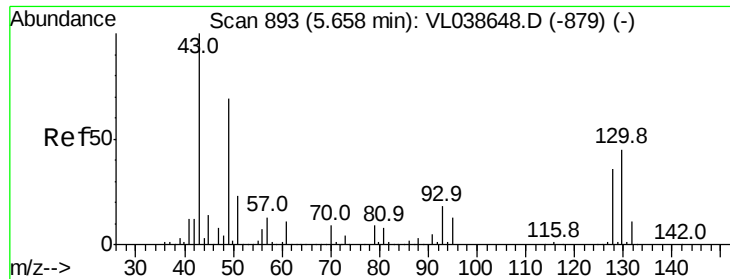
QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.90  | 57   | 2515383  | 8.49  | ppbv   | 100      |
| 45) t-1,3-Dichloropropene     | 9.31  | 75   | 718661   | 10.78 | ppbv   | 99       |
| 46) cis-1,3-Dichloropropene   | 8.73  | 75   | 899795   | 9.98  | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.50  | 97   | 647875   | 8.79  | ppbv   | 99       |
| 48) Dibromochloromethane      | 10.33 | 129  | 1147948  | 9.95  | ppbv   | 99       |
| 49) Bromoform                 | 13.07 | 173  | 954702   | 10.15 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.77  | 43   | 1460264  | 8.67  | ppbv   | 98       |
| 51) 2-Hexanone                | 10.16 | 43   | 1112238  | 9.20  | ppbv # | 100      |
| 52) Tetrachloroethene         | 11.26 | 164  | 563907   | 8.73  | ppbv   | 98       |
| 53) Toluene                   | 9.84  | 91   | 1792777  | 9.45  | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 10.64 | 107  | 964490   | 9.59  | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 12.16 | 131  | 854672   | 9.71  | ppbv   | 99       |
| 57) Chlorobenzene             | 12.18 | 112  | 1335407  | 8.72  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.74 | 91   | 2279689  | 9.19  | ppbv   | 99       |
| 59) m/p-Xylene                | 13.03 | 91   | 3980524m | 18.34 | ppbv   |          |
| 60) o-Xylene                  | 13.72 | 91   | 1899653  | 9.22  | ppbv   | 100      |
| 61) Styrene                   | 13.56 | 104  | 1118193  | 10.01 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.70 | 105  | 2911627  | 9.40  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.71 | 83   | 1318648  | 8.26  | ppbv   | 98       |
| 64) n-propylbenzene           | 15.59 | 120  | 770048   | 9.47  | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.77 | 119  | 2602487  | 9.35  | ppbv   | 98       |
| 66) Benzyl Chloride           | 17.01 | 91   | 571088   | 10.84 | ppbv   | 100      |
| 67) sec-Butylbenzene          | 17.32 | 105  | 3691795  | 9.27  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.68 | 119  | 3049932  | 9.39  | ppbv   | 99       |
| 70) n-Butylbenzene            | 18.58 | 91   | 3148449  | 9.40  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 15.48 | 91   | 2125298  | 9.24  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.87 | 105  | 2284927  | 9.39  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 16.03 | 105  | 1995969  | 9.01  | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.79 | 105  | 2180814  | 9.03  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 17.02 | 146  | 1313430  | 8.54  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 17.17 | 146  | 1289474  | 8.43  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.84 | 146  | 1272071  | 8.35  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 23.40 | 225  | 965449   | 6.86  | ppbv   | 99       |
| 79) Naphthalene               | 22.23 | 128  | 1723527  | 9.34  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.99 | 142  | 436008   | 8.82  | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.95 | 180  | 985916   | 7.81  | ppbv   | 99       |

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





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.70 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:

Ion Ratio

49 100

128 56.

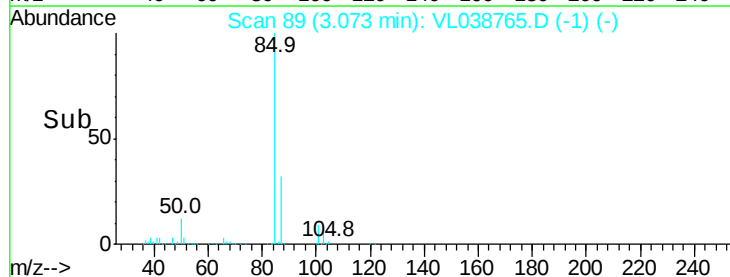
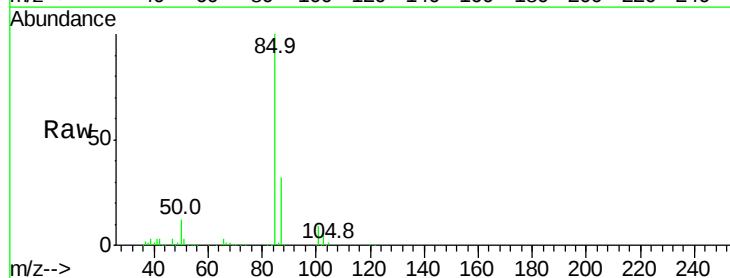
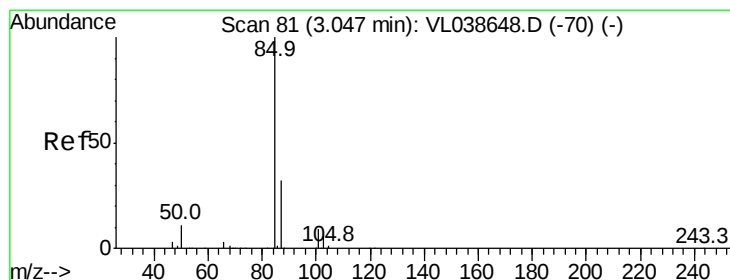
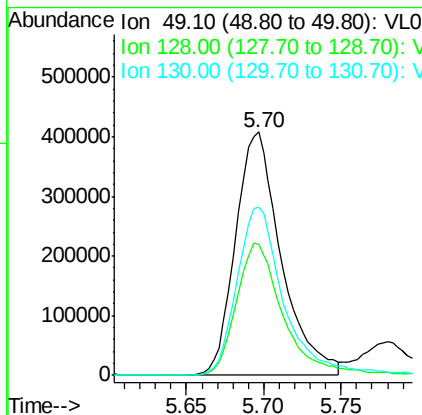
130 72.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 8.46 ppbv

RT: 3.07 min Scan# 89

Delta R.T. 0.03 min

Lab File: VL038765.D

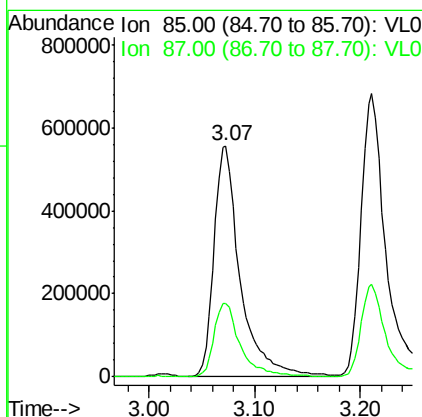
Acq: 25 Mar 2022 14:19

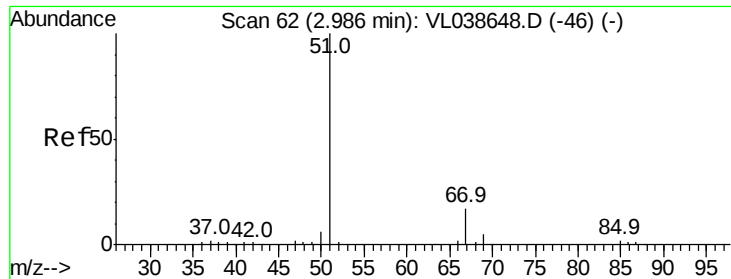
Tgt Ion: 85 Resp: 953972

Ion Ratio Lower Upper

85 100

87 31.8 26.0 39.0





#3

Chlorodifluoromethane

Concen: 8.99 ppbv

RT: 3.01

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

51 100

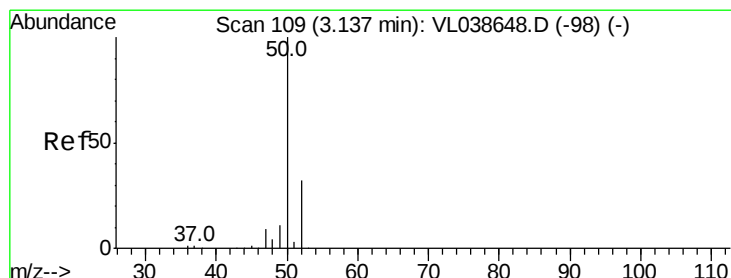
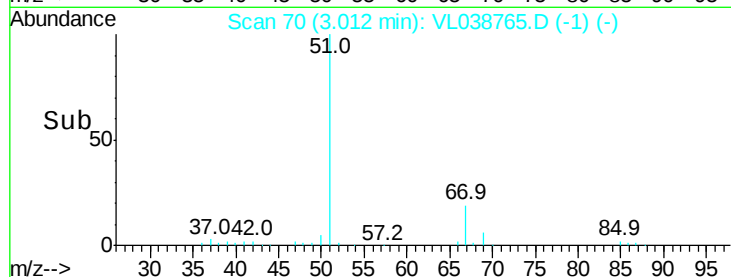
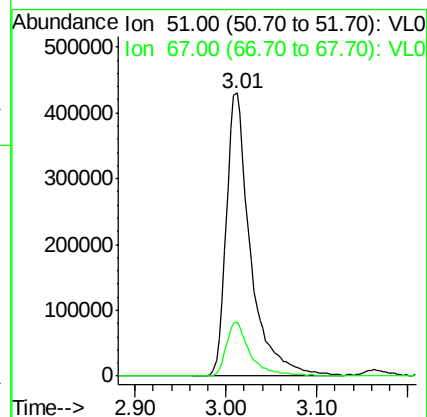
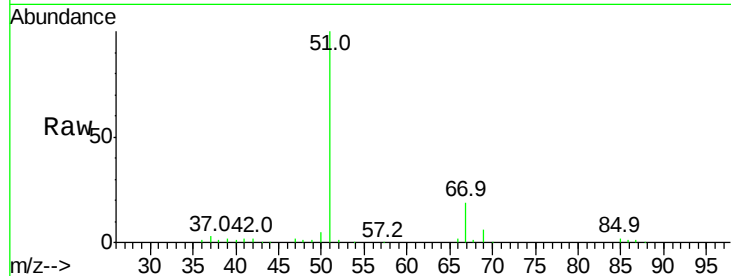
67 19.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 8.95 ppbv

RT: 3.16 min Scan# 117

Delta R.T. 0.03 min

Lab File: VL038765.D

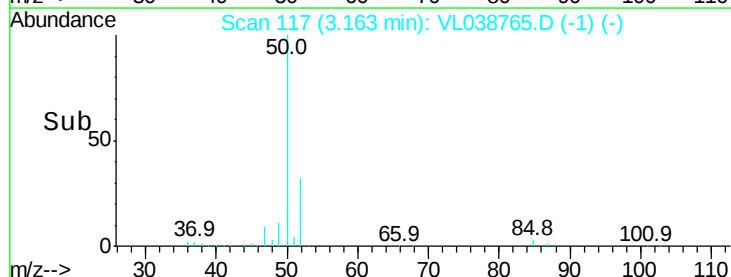
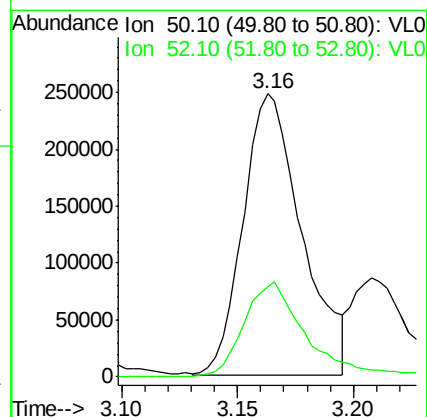
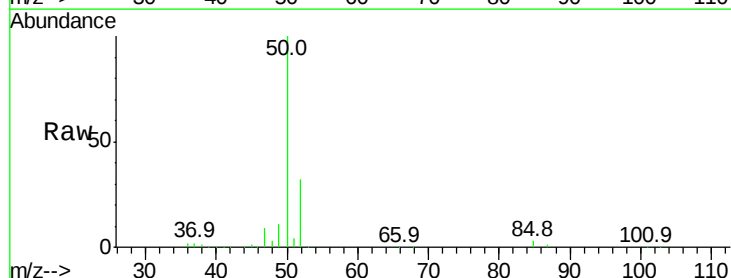
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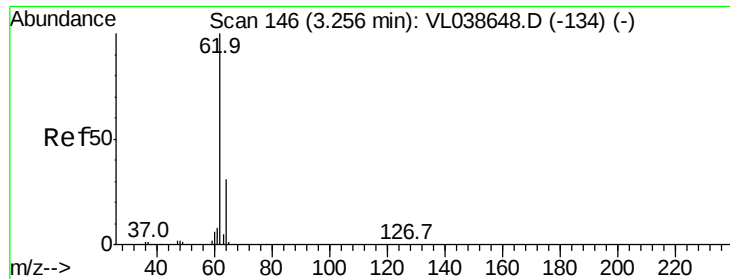
Tgt Ion: 50 Resp: 435353

Ion Ratio Lower Upper

50 100

52 31.8 25.5 38.3



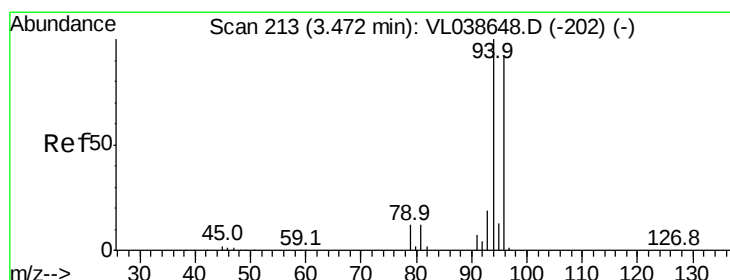
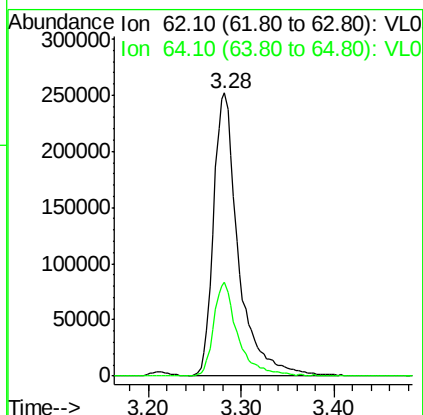
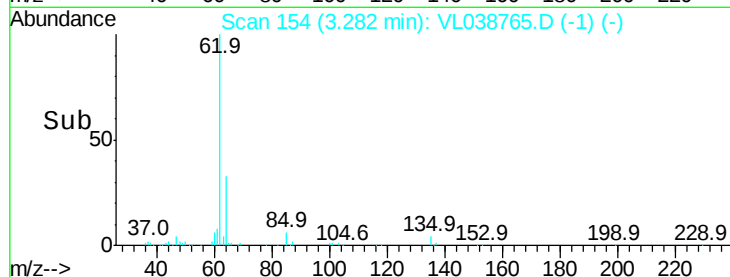
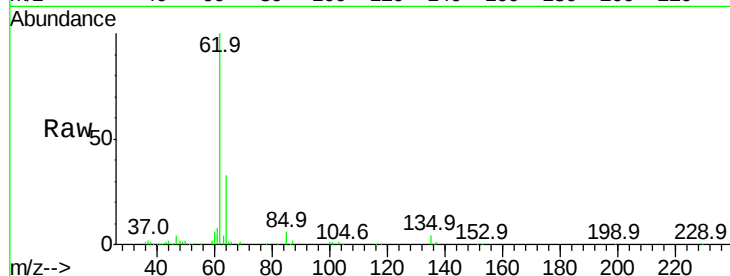


#5  
 Vinyl Chloride  
 Concen: 9.46 ppbv  
 RT: 3.28  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:  
 Ion Ratio  
 62 100  
 64 33.

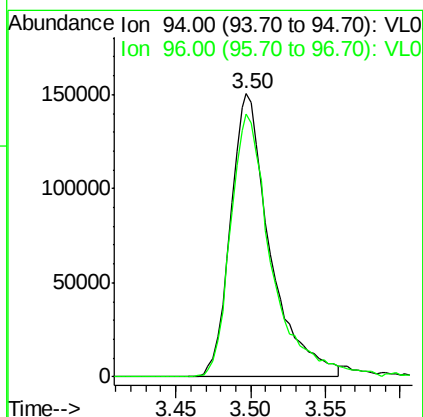
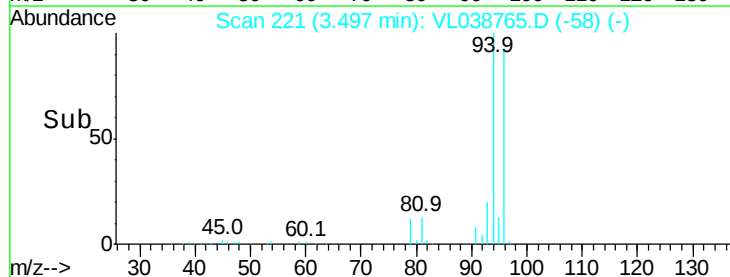
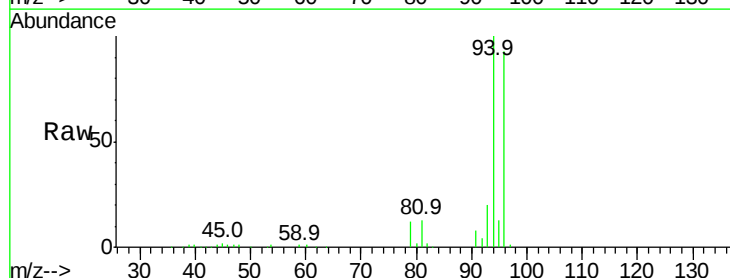
Manual Integrations  
 APPROVED

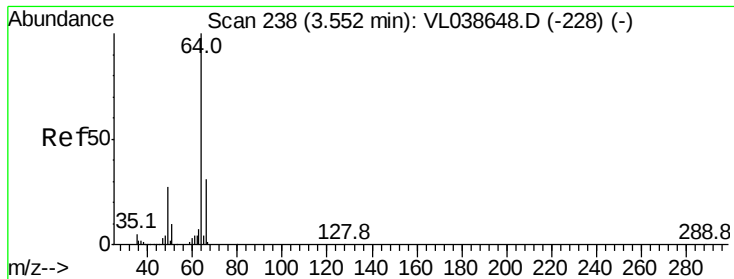
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#6  
 Bromomethane  
 Concen: 10.51 ppbv  
 RT: 3.50 min Scan# 221  
 Delta R.T. 0.03 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 94 Resp: 276901  
 Ion Ratio Lower Upper  
 94 100  
 96 92.7 73.3 109.9





#7

Chloroethane

Concen: 9.73 ppbv

RT: 3.58 Instrument: MSVOA\_L

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

Tgt Ion: 64

Ion Ratio 100

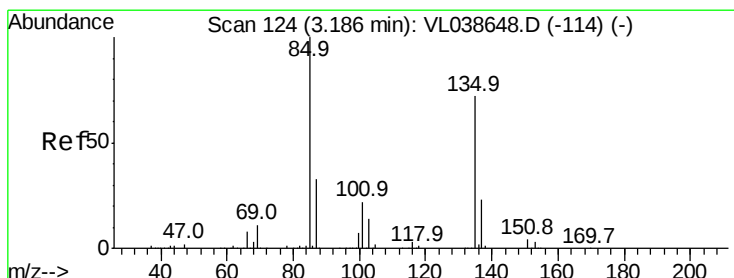
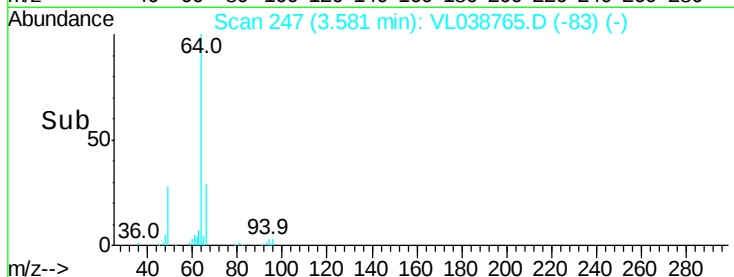
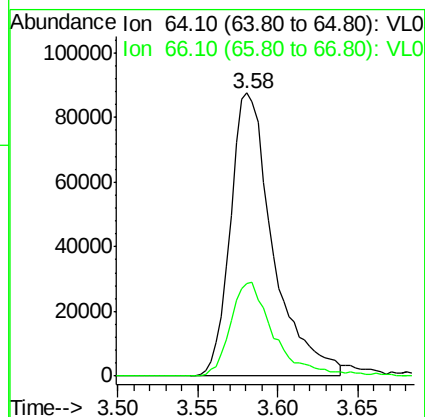
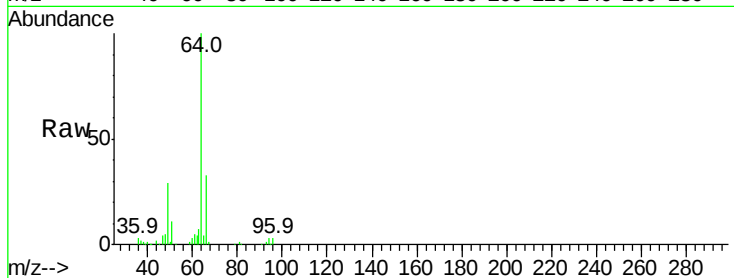
66 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#8

Dichlorotetrafluoroethane

Concen: 9.97 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.03 min

Lab File: VL038765.D

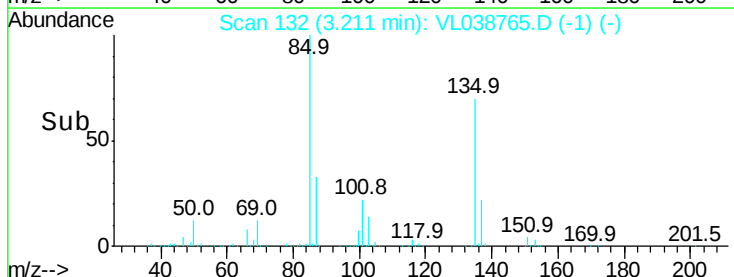
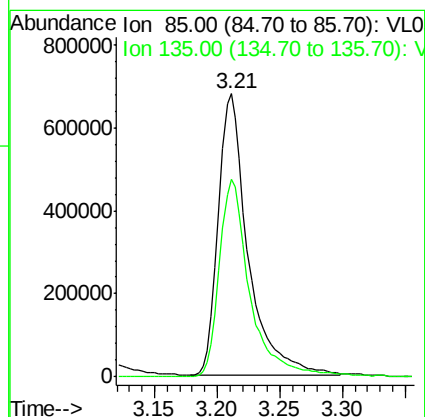
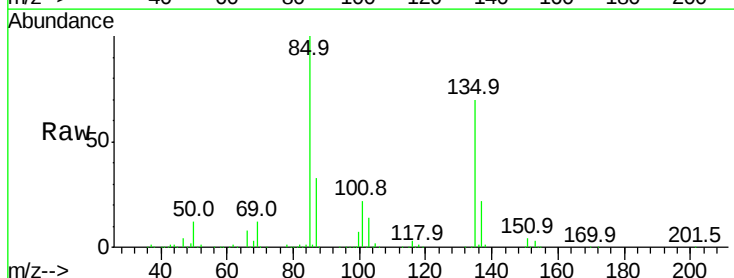
Acq: 25 Mar 2022 14:19

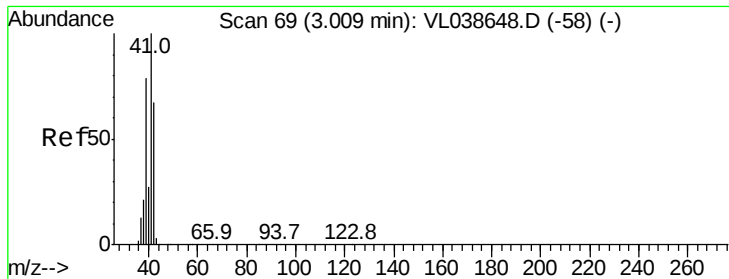
Tgt Ion: 85 Resp: 1121790

Ion Ratio Lower Upper

85 100

135 72.9 57.8 86.6





#9

Propene

Concen: 7.82 ppbv

RT: 3.03

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

41 100

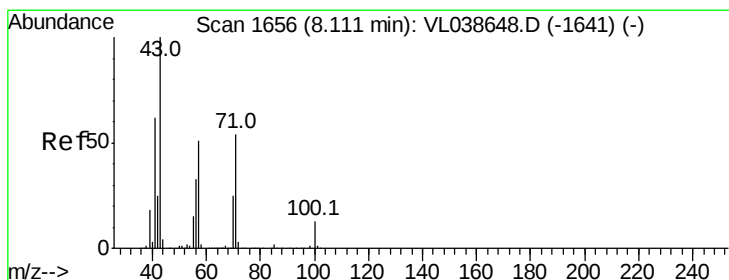
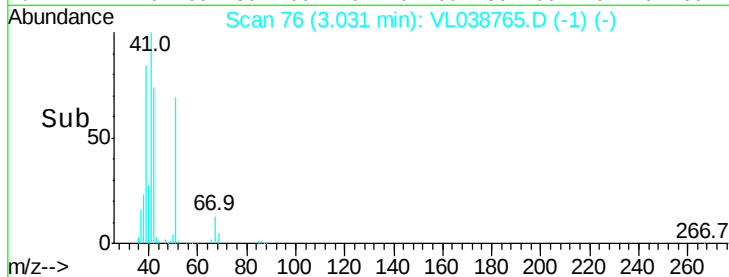
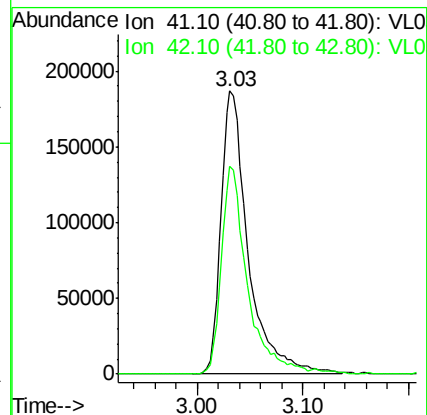
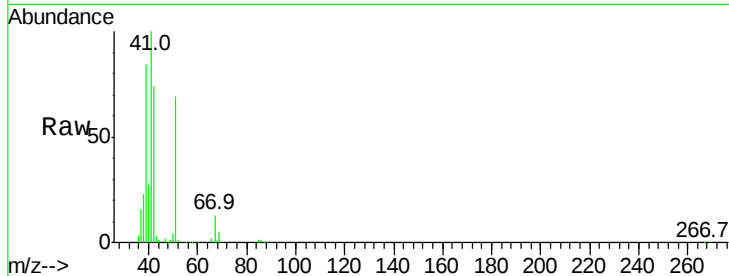
42 71.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#10

Heptane

Concen: 8.79 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. 0.04 min

Lab File: VL038765.D

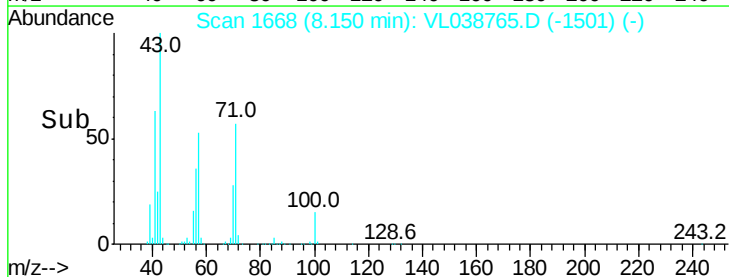
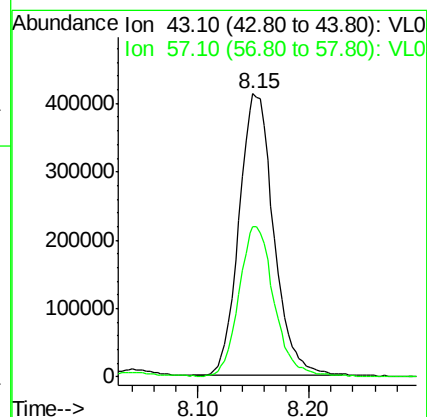
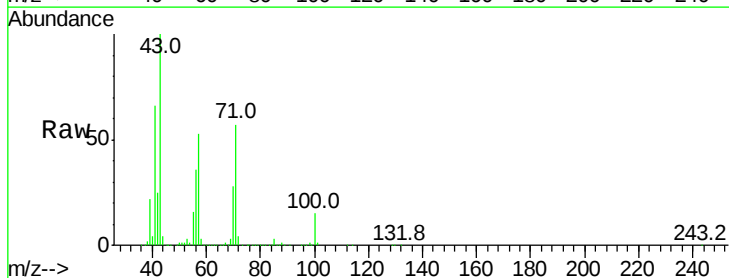
Acq: 25 Mar 2022 14:19

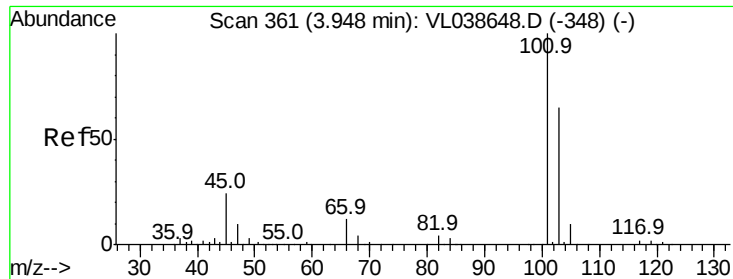
Tgt Ion: 43 Resp: 898881

Ion Ratio Lower Upper

43 100

57 53.8 41.4 62.2



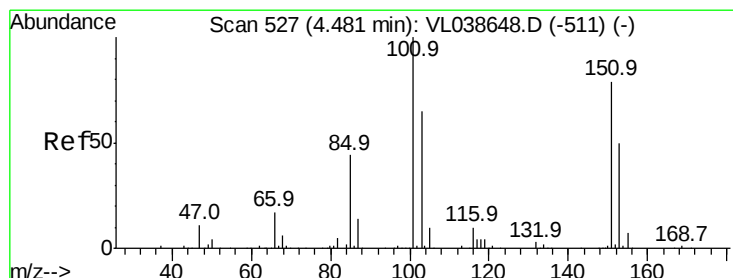
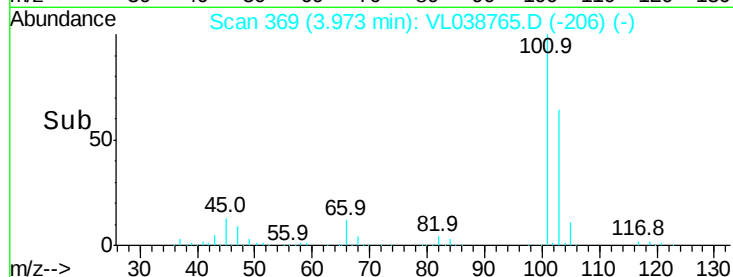
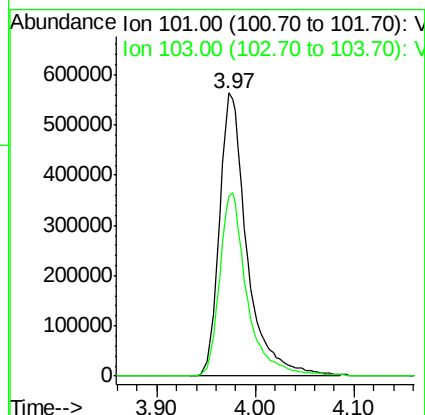
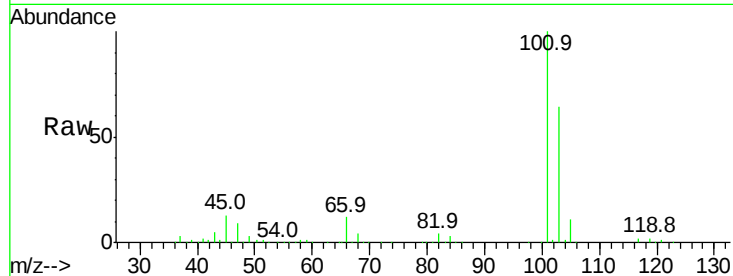


#11  
 Trichlorofluoromethane  
 Concen: 11.11 ppbv  
 RT: 3.97  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:1  
 Ion Rati  
 101 100  
 103 63.

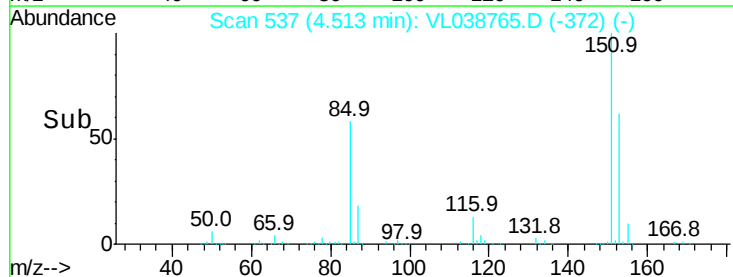
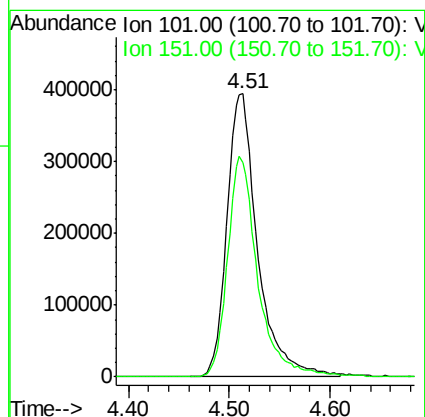
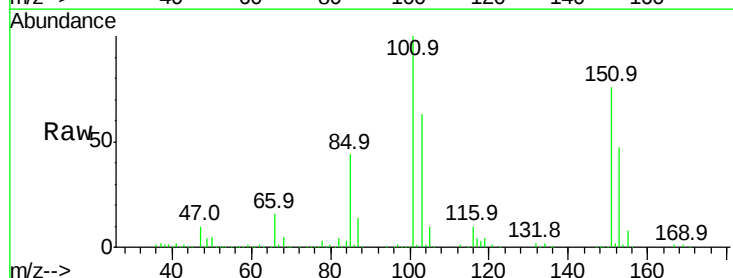
Manual Integrations  
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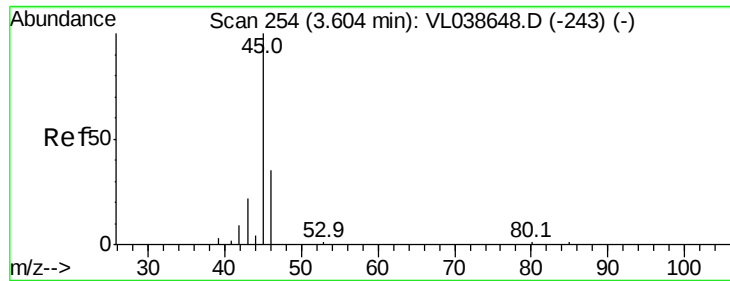
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.95 ppbv  
 RT: 4.51 min Scan# 537  
 Delta R.T. 0.03 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion:101 Resp: 838433  
 Ion Ratio Lower Upper  
 101 100  
 151 77.1 62.9 94.3





#13

Ethanol

Concen: 5.39 ppbv m

RT: 3.64 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:

Ion Ratio

45 100

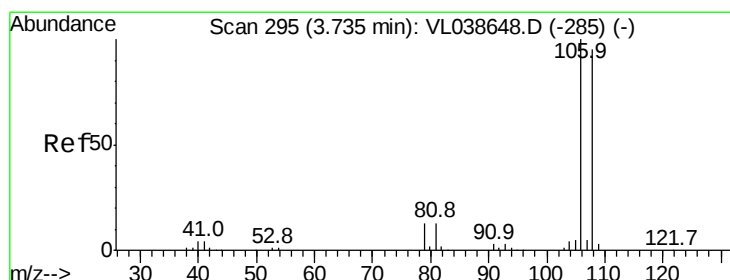
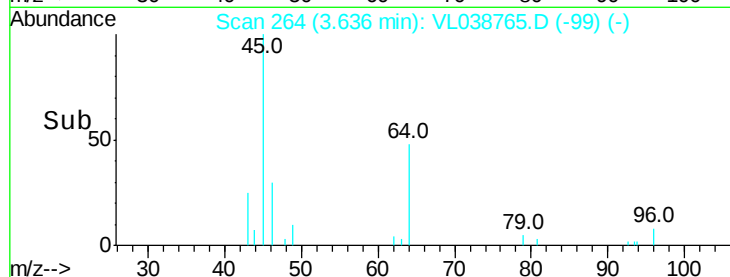
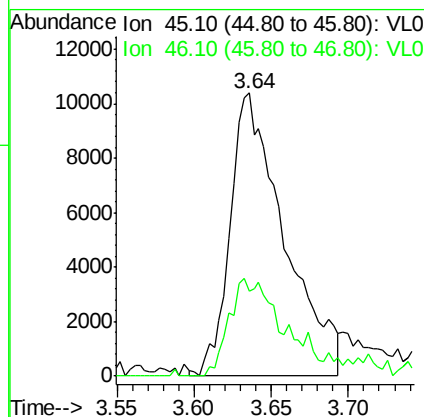
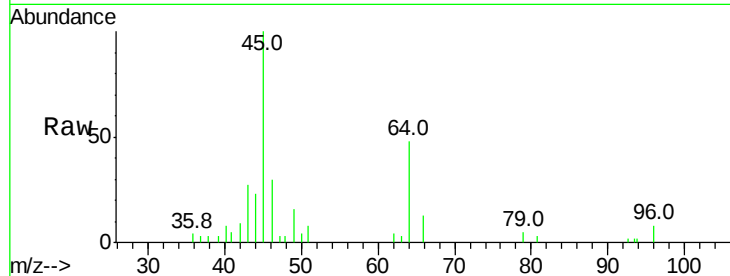
46 40.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#14

Bromoethene

Concen: 10.90 ppbv

RT: 3.76 min Scan# 304

Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

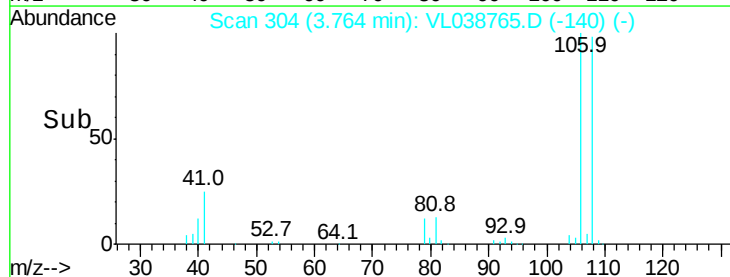
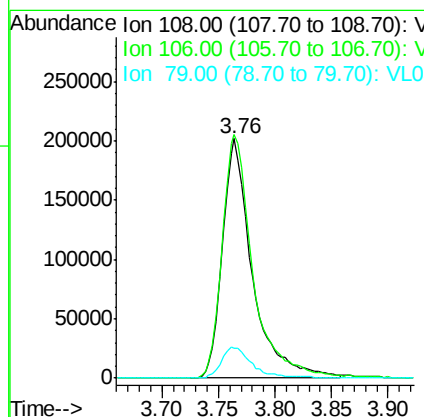
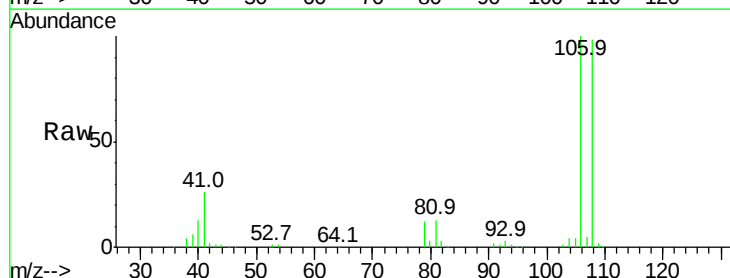
Tgt Ion:108 Resp: 371116

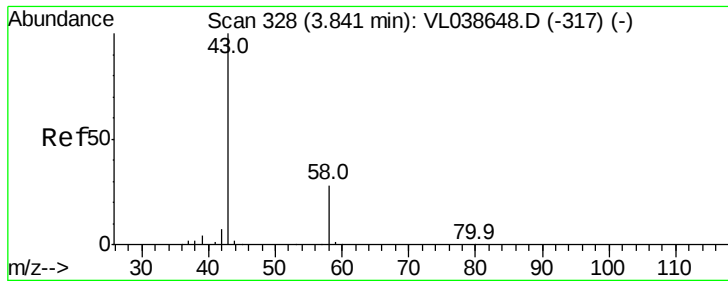
Ion Ratio Lower Upper

108 100

106 105.6 88.3 132.5

79 13.9 11.2 16.8



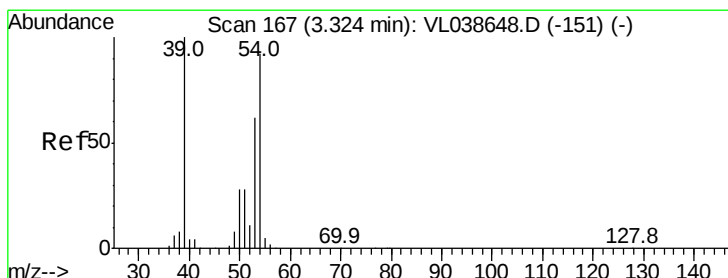
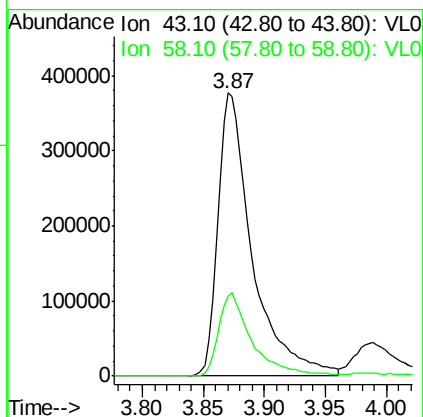
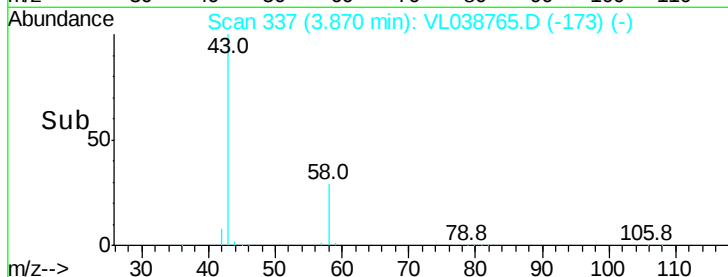
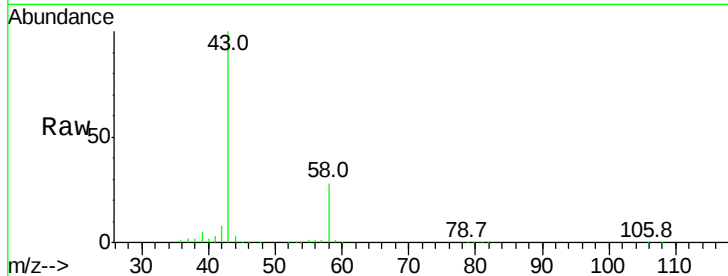


#15  
Acetone  
Concen: 10.22 ppbv  
RT: 3.87  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion:  
Ion Ratio  
43 100  
58 29.

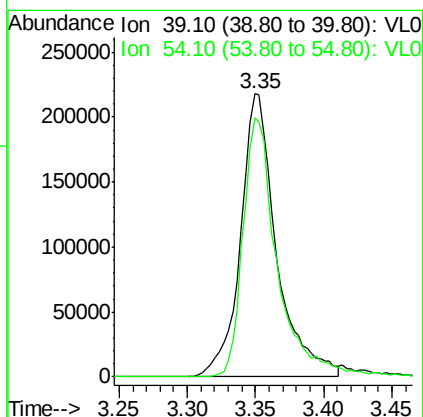
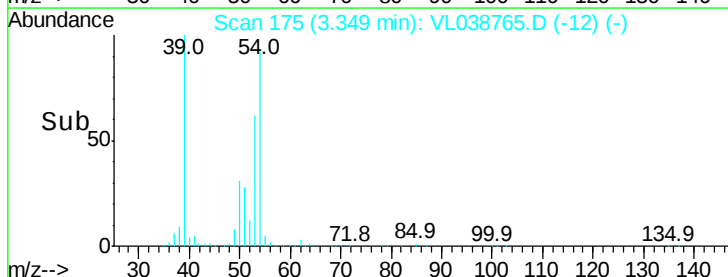
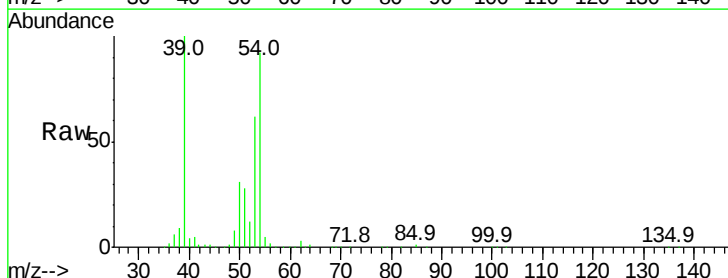
Manual Integrations  
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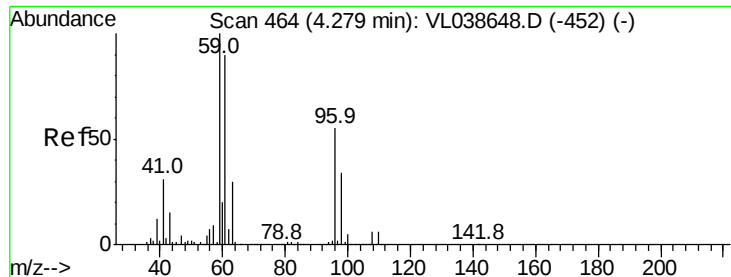
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#16  
1,3-Butadiene  
Concen: 9.75 ppbv  
RT: 3.35 min Scan# 175  
Delta R.T. 0.03 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 39 Resp: 400566  
Ion Ratio Lower Upper  
39 100  
54 88.3 69.1 103.7



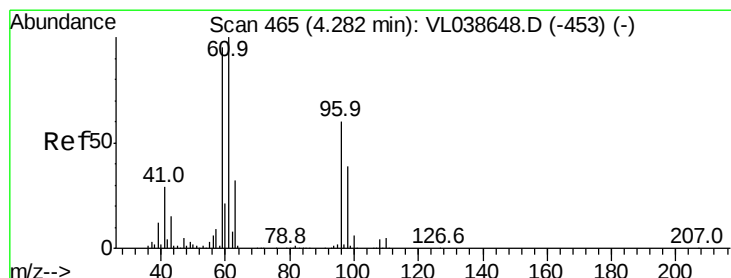
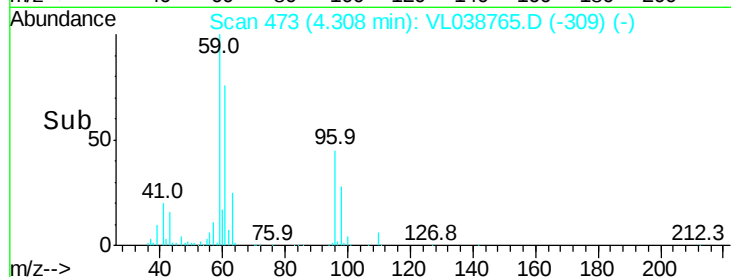
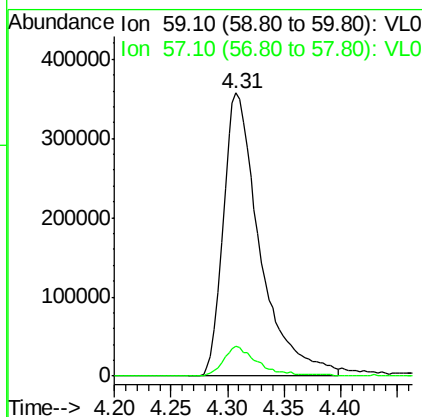
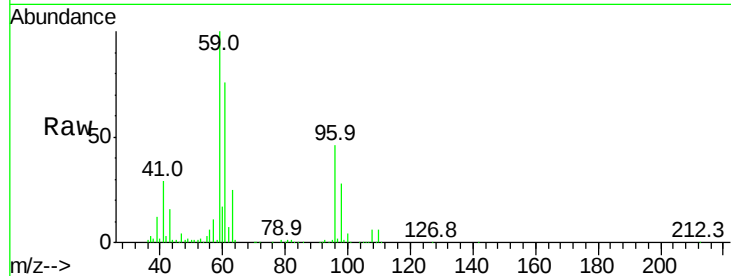


#17  
 tert-Butyl alcohol  
 Concen: 12.72 ppbv  
 RT: 4.31 min  
 Instrument: MSVOA\_1  
 Delta R.T.: 0.03 min  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:  
 Ion Ratio  
 59 100  
 57 10.

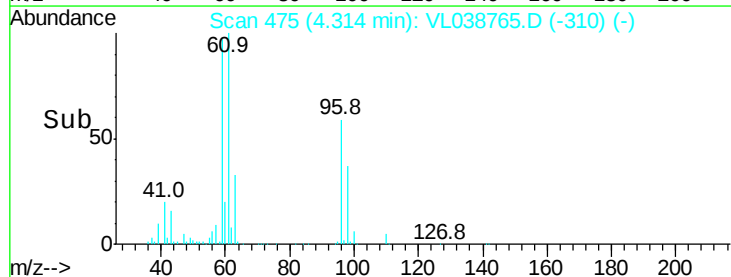
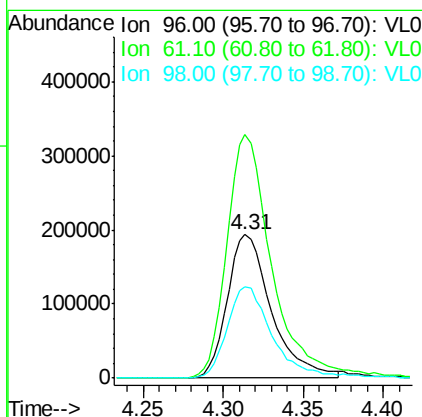
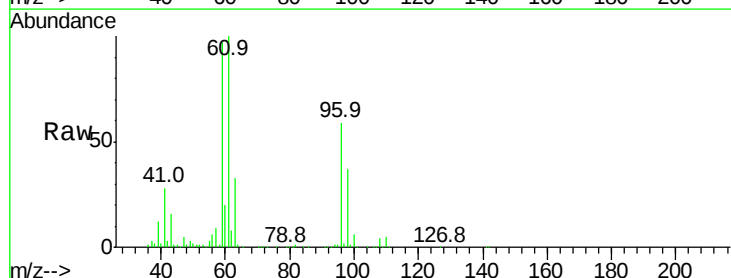
Manual Integrations  
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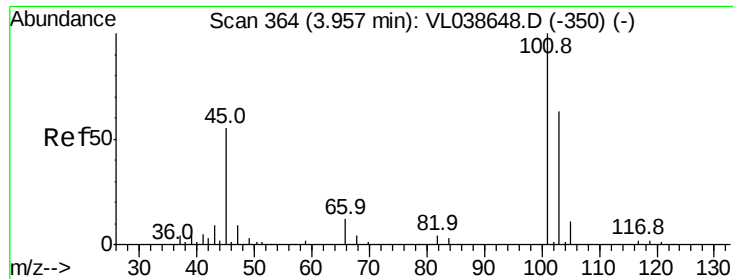
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#18  
 1,1-Dichloroethene  
 Concen: 10.58 ppbv  
 RT: 4.31 min Scan# 475  
 Delta R.T.: 0.03 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 96 Resp: 364206  
 Ion Ratio Lower Upper  
 96 100  
 61 169.3 132.4 198.6  
 98 63.5 51.6 77.4





#19

Isopropyl Alcohol

Concen: 9.74 ppbv

RT: 3.99

Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

45 100

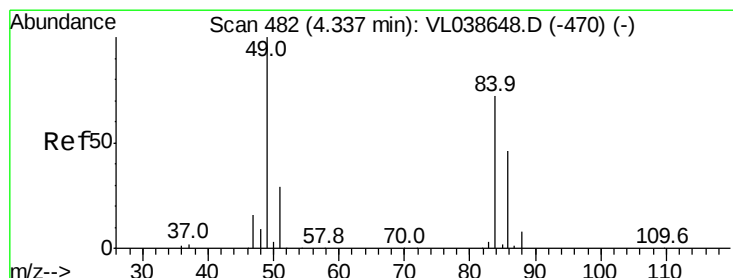
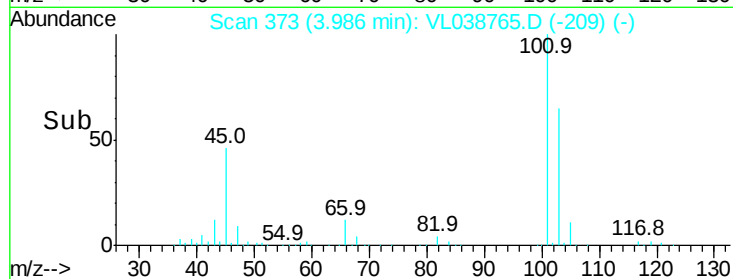
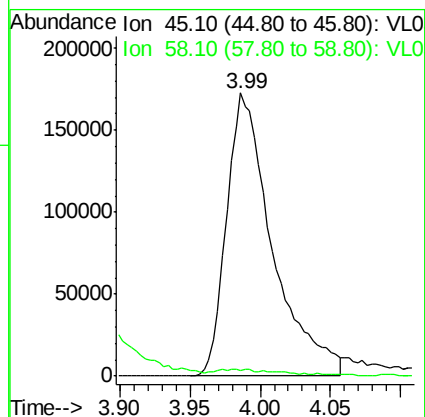
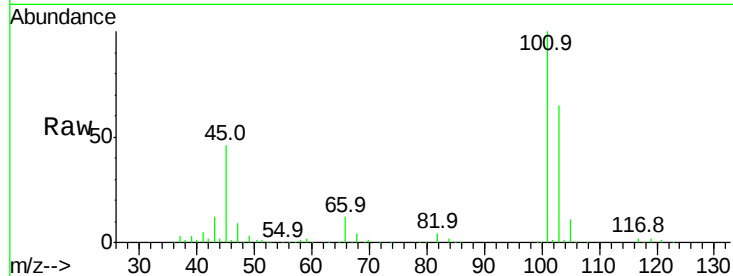
58 3.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#20

Methylene Chloride

Concen: 10.12 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion: 84 Resp: 308526

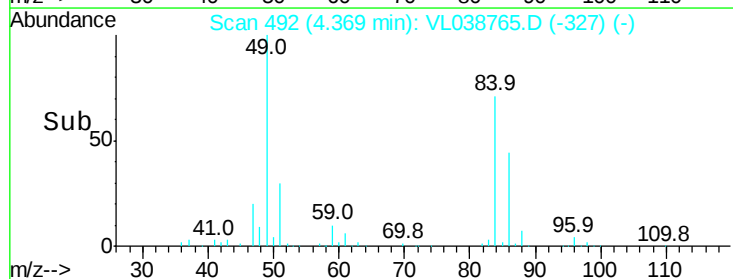
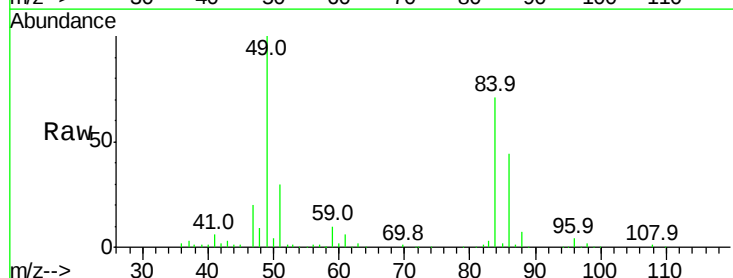
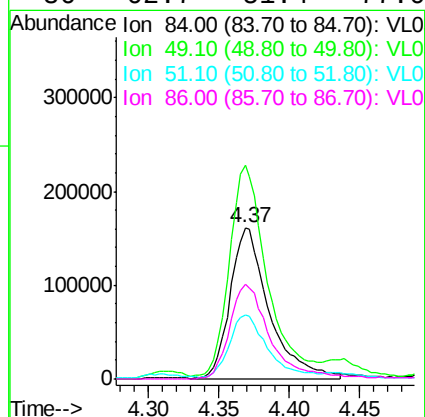
Ion Ratio Lower Upper

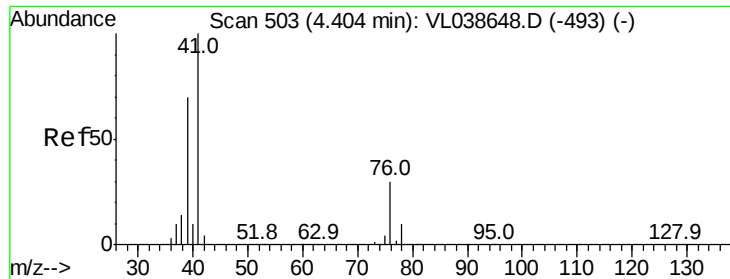
84 100

49 139.8 111.2 166.8

51 40.7 32.8 49.2

86 62.7 51.4 77.0



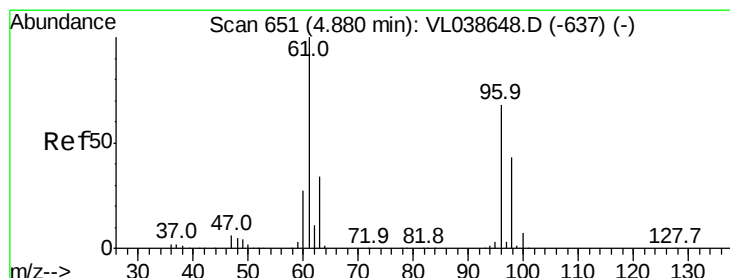
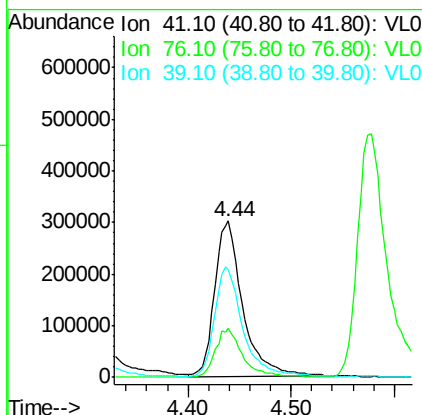
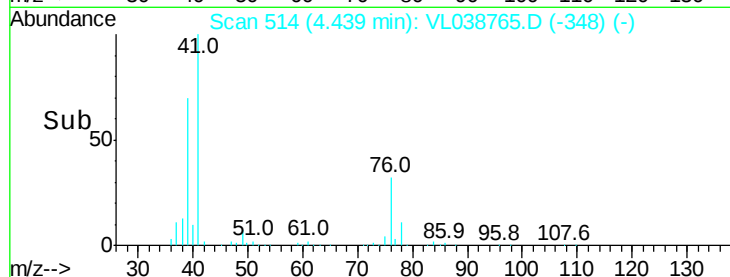
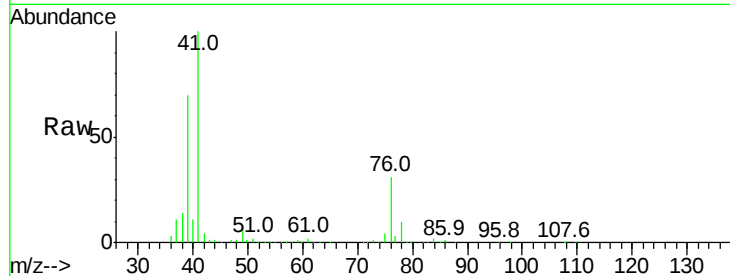


#21  
 Allyl Chloride  
 Concen: 10.97 ppbv  
 RT: 4.44  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:  
 Ion Ratio  
 41 100  
 76 31.  
 39 70.

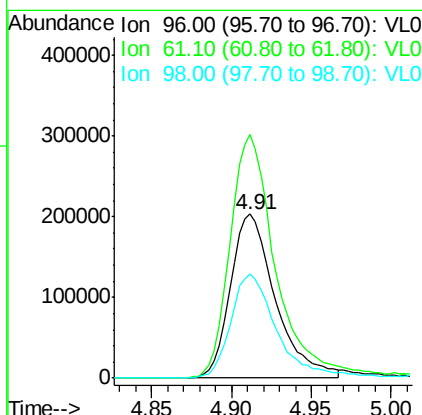
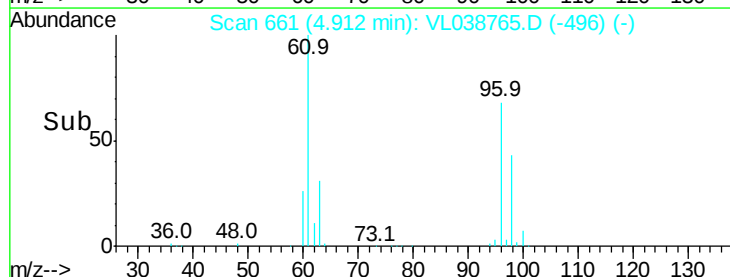
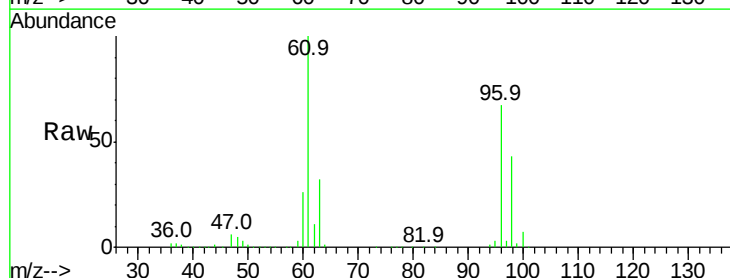
Manual Integrations  
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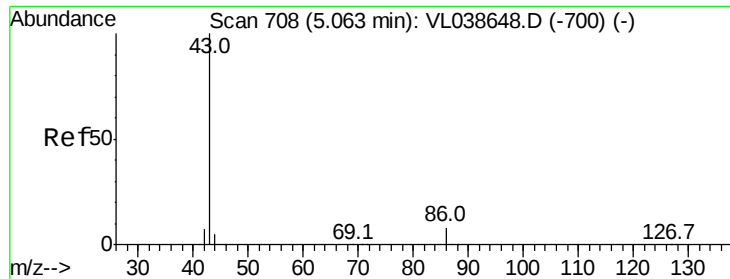
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.95 ppbv  
 RT: 4.91 min Scan# 661  
 Delta R.T. 0.03 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 96 Resp: 390942  
 Ion Ratio Lower Upper  
 96 100  
 61 148.3 118.3 177.5  
 98 63.5 51.3 76.9





#23

Vinyl Acetate

Concen: 7.46 ppbv

RT: 5.10

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:

Ion Ratio

43 100

86 7.

42 8.

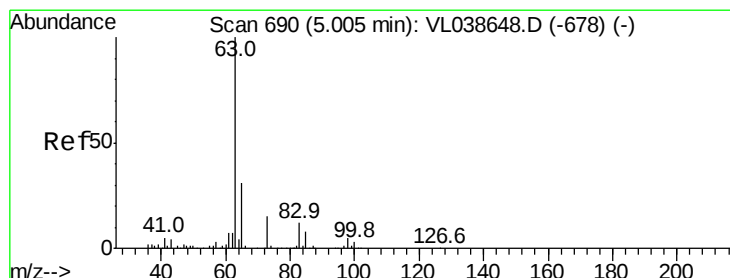
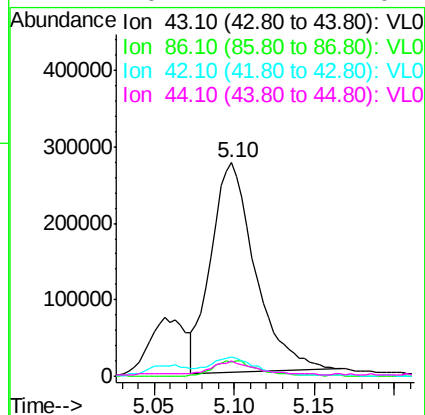
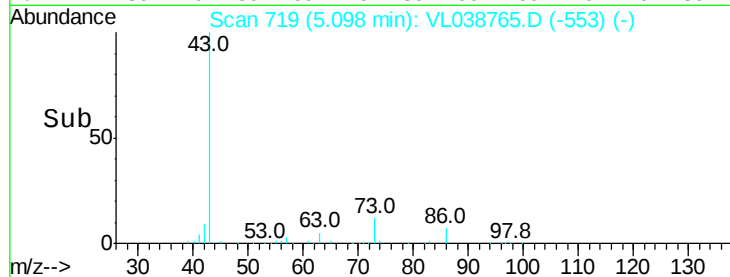
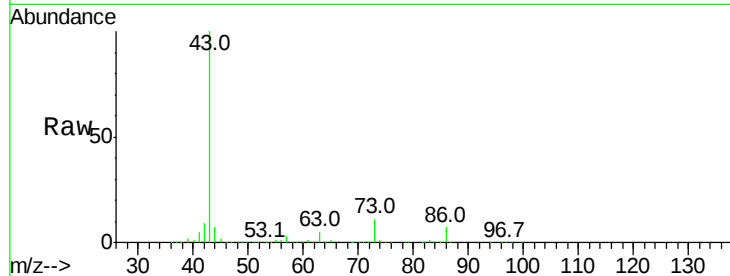
44 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#24

1,1-Dichloroethane

Concen: 10.62 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.03 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion: 63 Resp: 732927

Ion Ratio Lower Upper

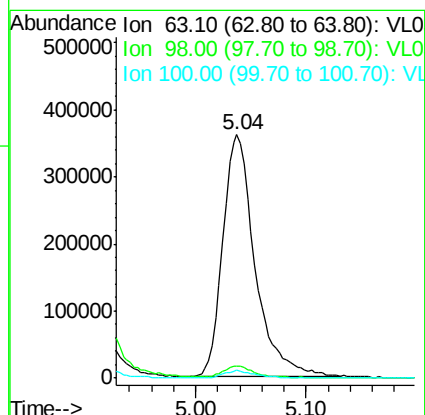
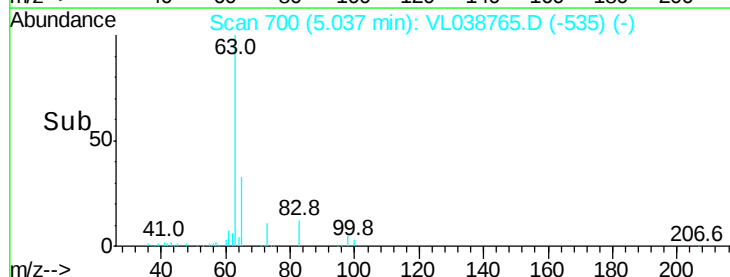
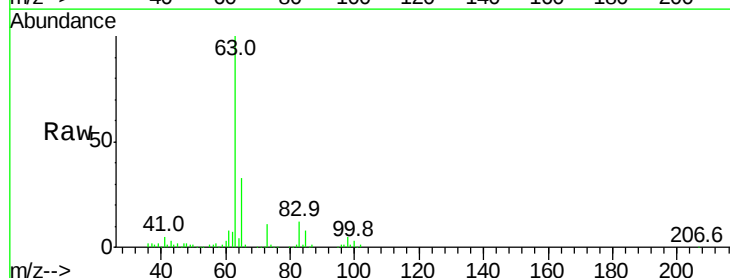
63 100

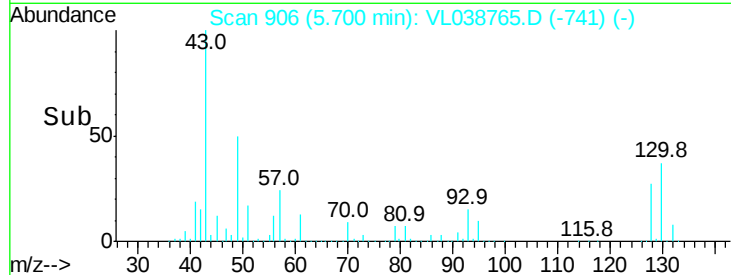
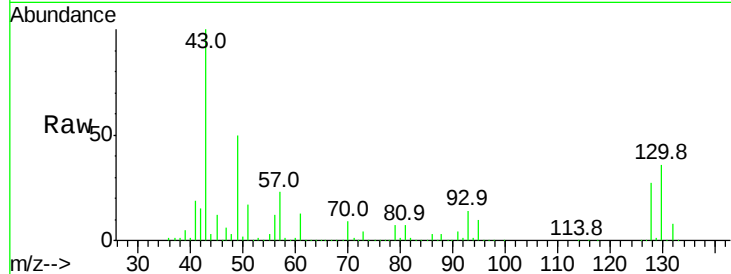
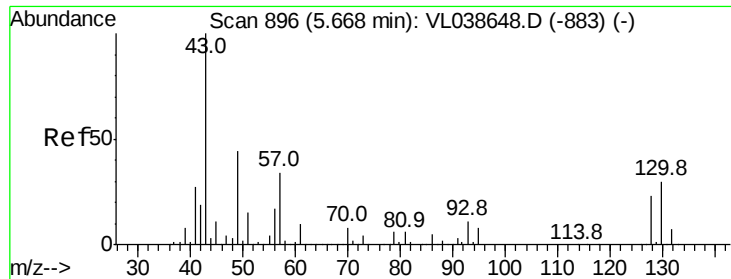
98 4.5

100 3.1

2.5 7.5

1.4 4.2



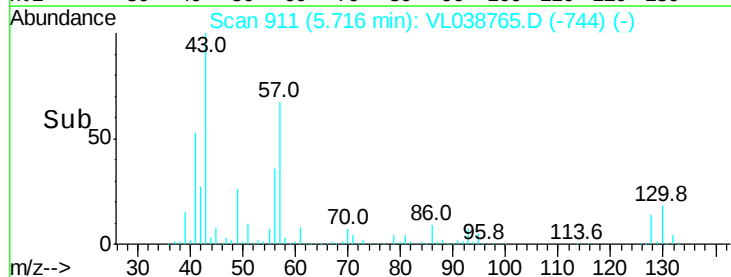
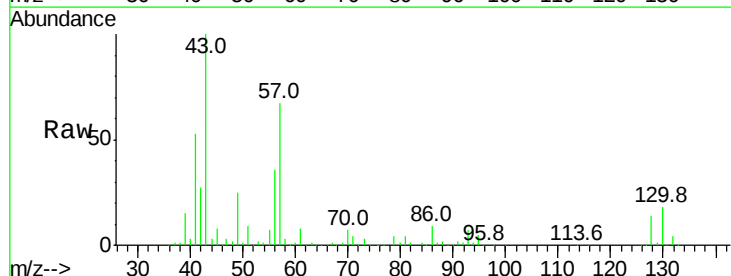
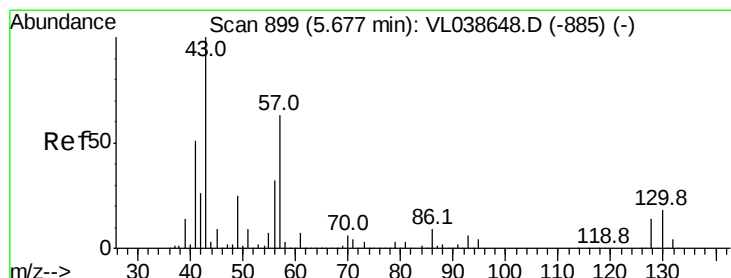
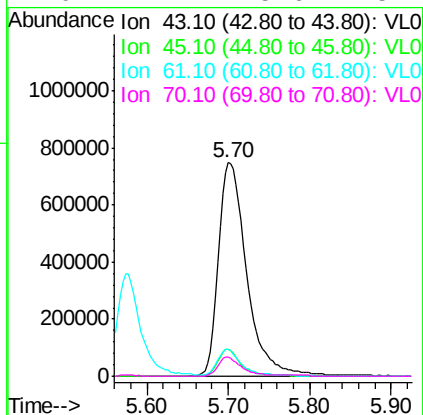


#25  
Ethyl Acetate  
Concen: 10.05 ppbv  
RT: 5.70  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion: 43  
Ion Ratio: 100  
45 10.  
61 10.  
70 7.7 5.6 8.4

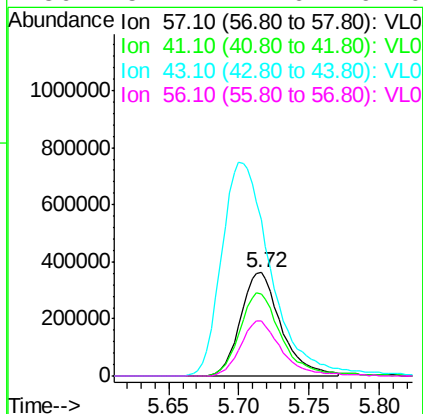
Manual Integrations  
APPROVED

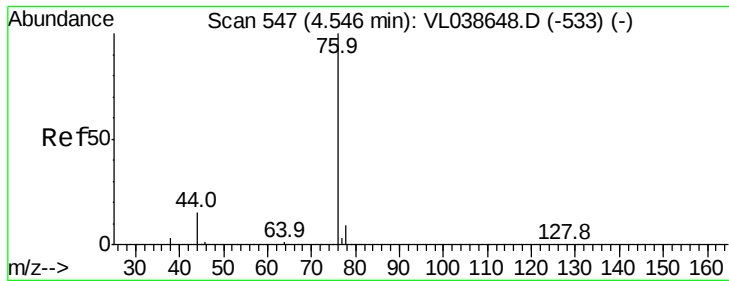
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#26  
Hexane  
Concen: 8.92 ppbv  
RT: 5.72 min Scan# 911  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 57 Resp: 727535  
Ion Ratio Lower Upper  
57 100  
41 84.6 67.0 100.4  
43 253.8 184.2 276.2  
56 54.7 42.6 64.0



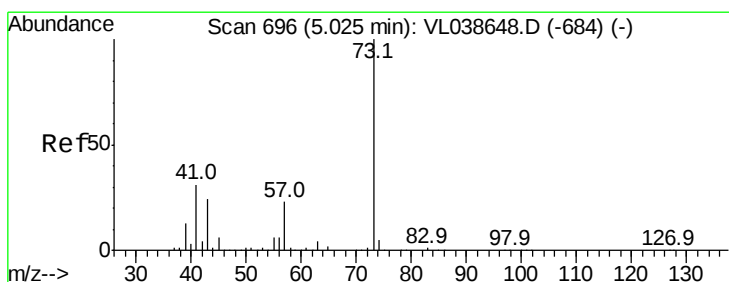
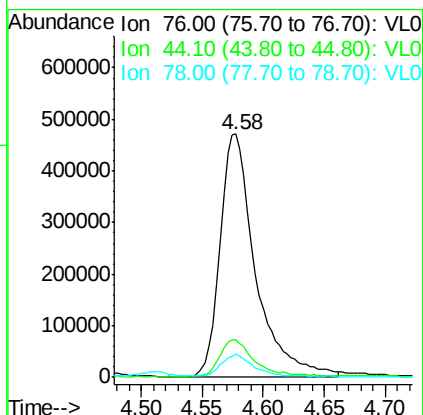
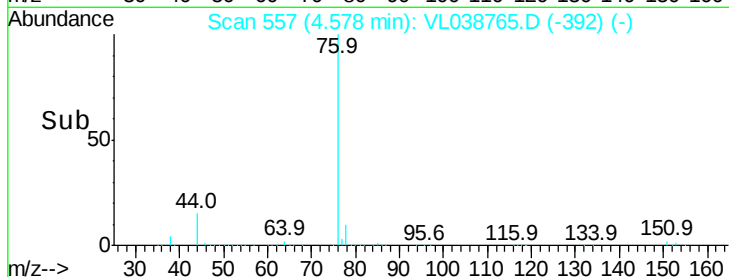
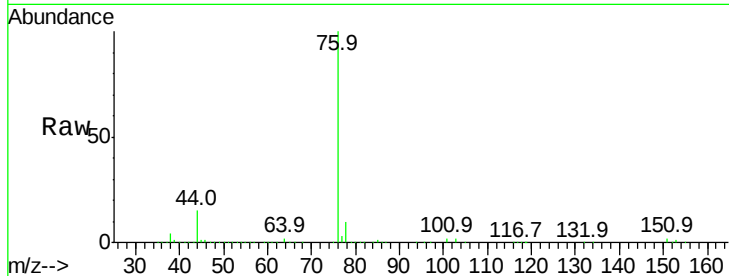


#27  
Carbon Disulfide  
Concen: 11.92 ppbv  
RT: 4.58  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Mar 2022 14:19

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

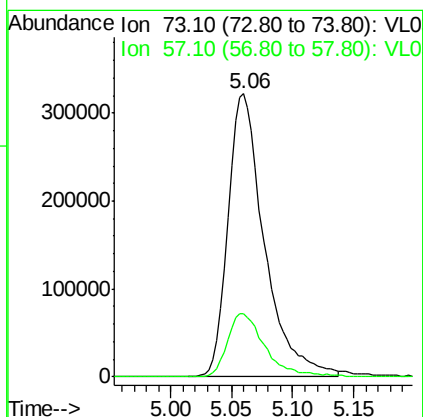
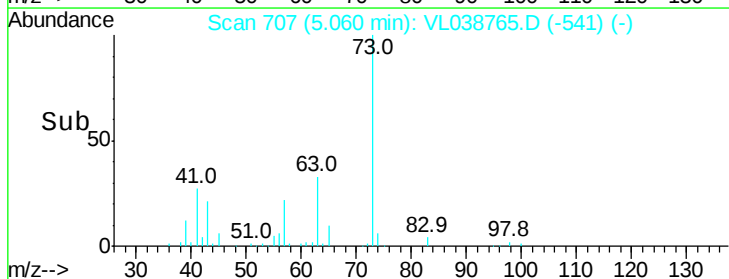
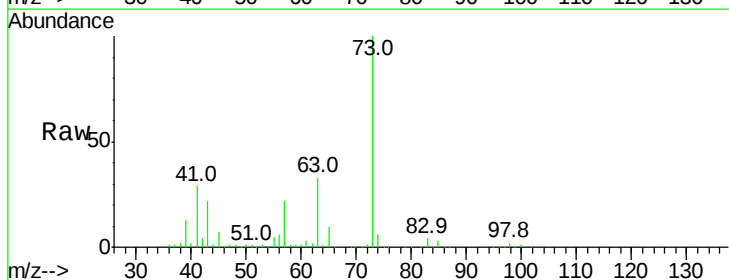
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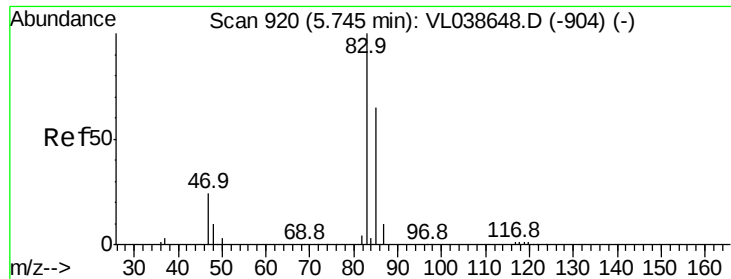
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#28  
Methyl tert-Butyl Ether  
Concen: 11.05 ppbv  
RT: 5.06 min Scan# 707  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 73 Resp: 671570  
Ion Ratio Lower Upper  
73 100  
57 23.4 19.2 28.8



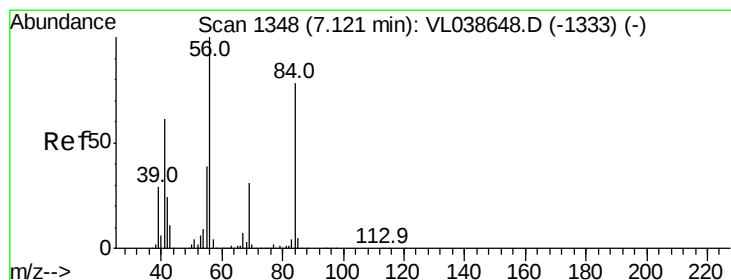
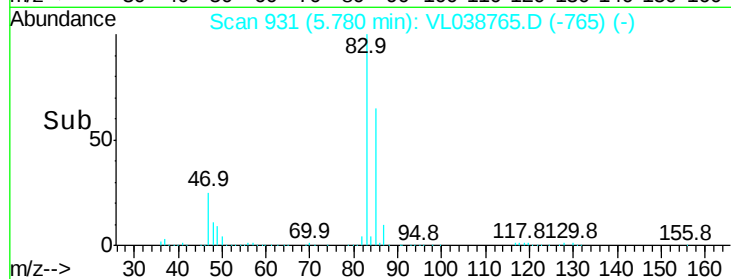
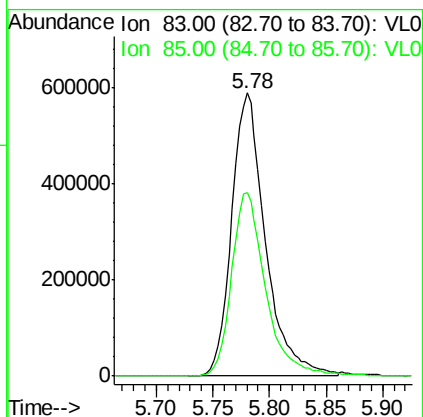
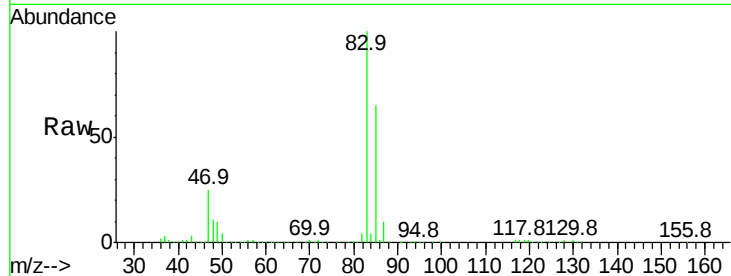


#29  
Chloroform  
Concen: 9.37 ppbv  
RT: 5.78  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion:  
Ion Ratio  
83 100  
85 64.

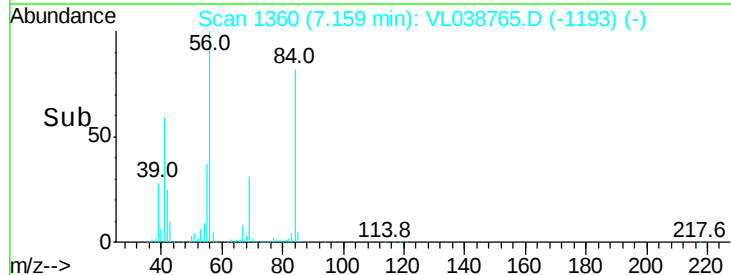
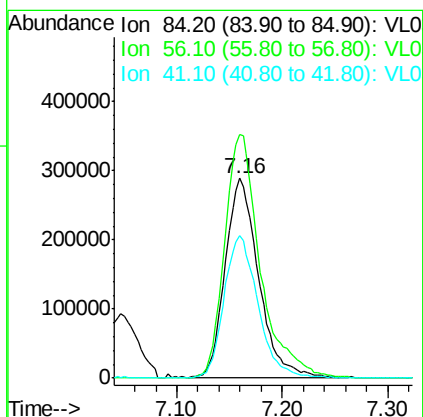
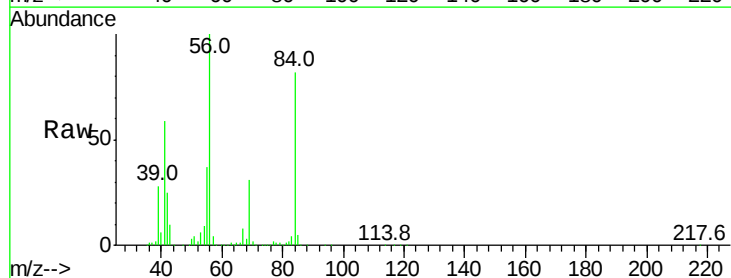
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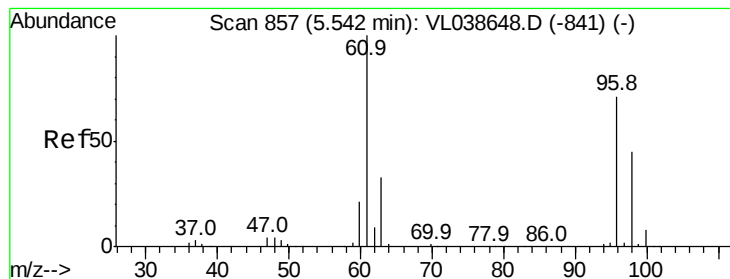
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#30  
Cyclohexane  
Concen: 8.99 ppbv  
RT: 7.16 min Scan# 1360  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 84 Resp: 637673  
Ion Ratio Lower Upper  
84 100  
56 129.8 108.2 162.4  
41 72.7 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 9.52 ppbv

RT: 5.57 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:

Ion Ratio

61 100

96 68.

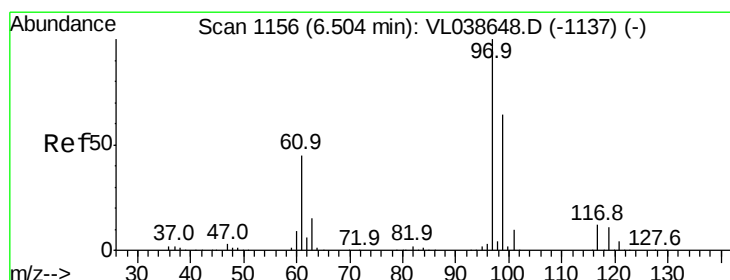
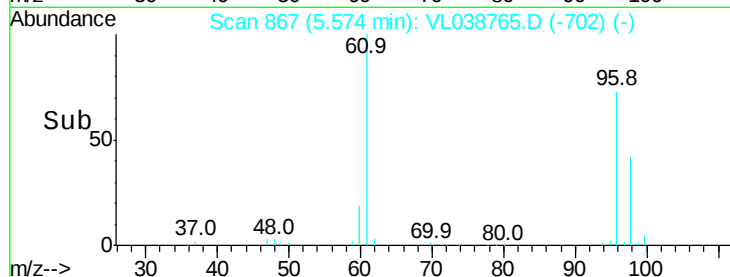
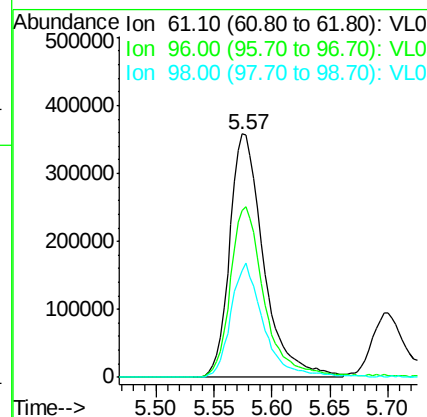
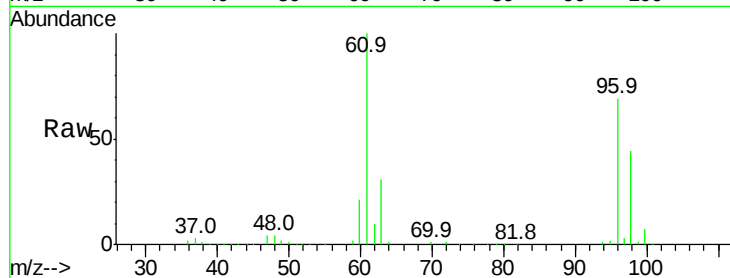
98 43.

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#32

1,1,1-Trichloroethane

Concen: 9.52 ppbv

RT: 6.54 min Scan# 1168

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

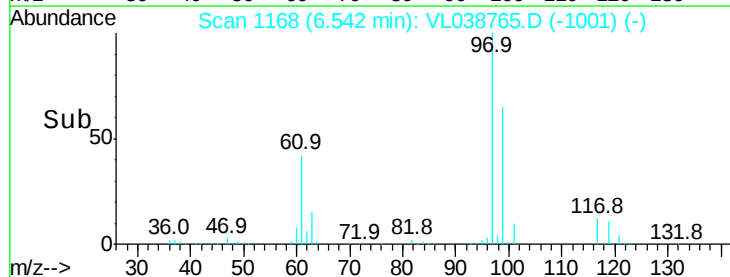
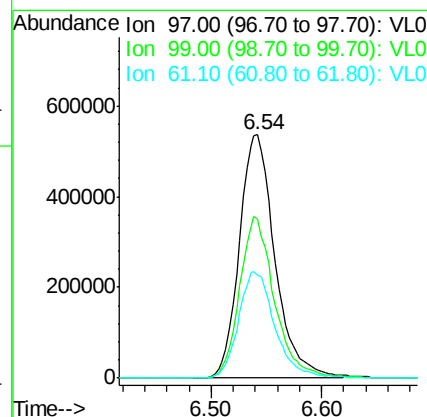
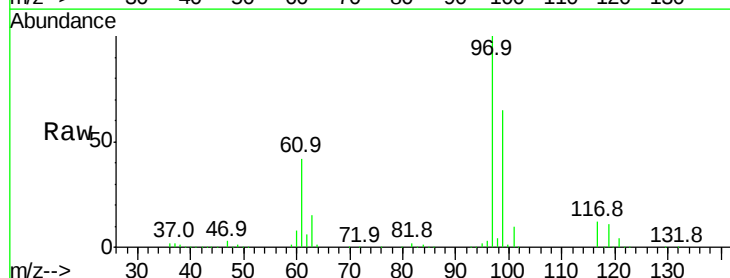
Tgt Ion: 97 Resp: 1200198

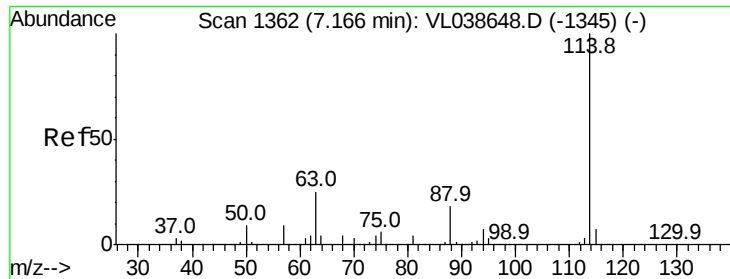
Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.8

61 44.9 36.7 55.1



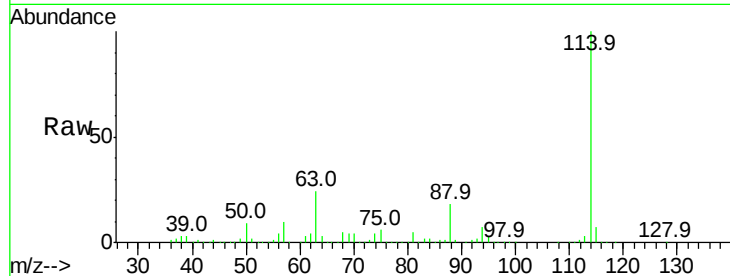


#33  
 1,4-Difluorobenzene  
 Concen: 10.00 ppbv  
 RT: 7.20 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

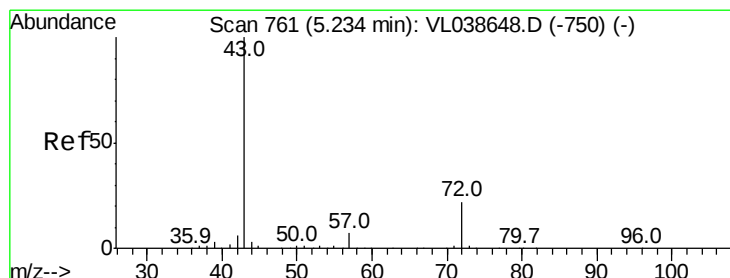
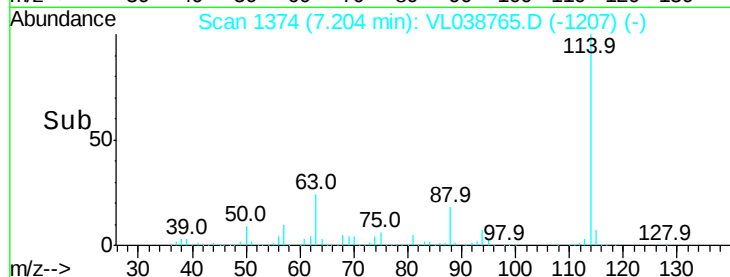
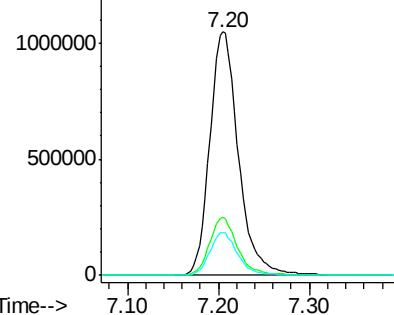
Tgt Ion: 114.10  
 Ion Ratio: 100  
 114 100  
 63 23.6  
 88 17.8

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 Supervised By : Mahesh Dadoda 03/28/2022

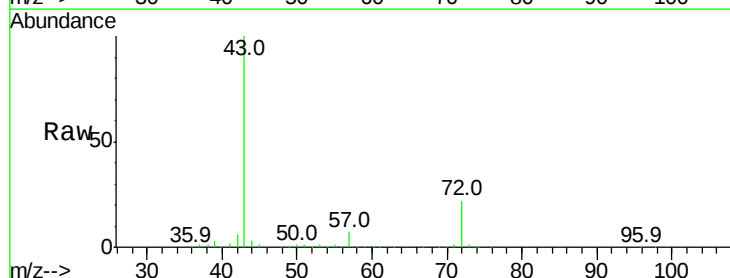


Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0

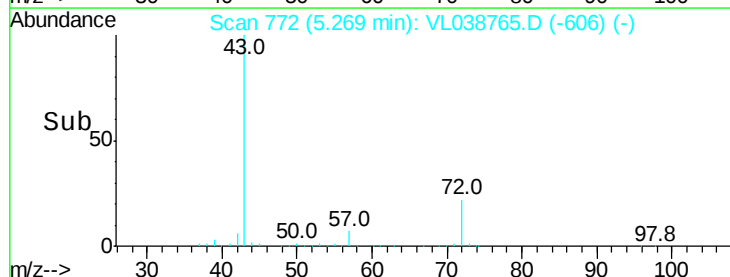
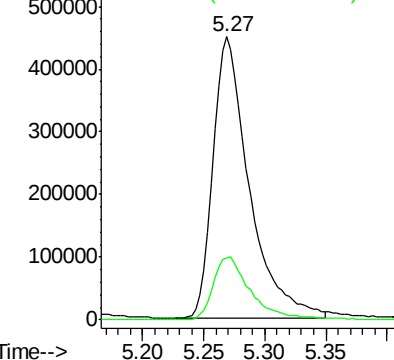


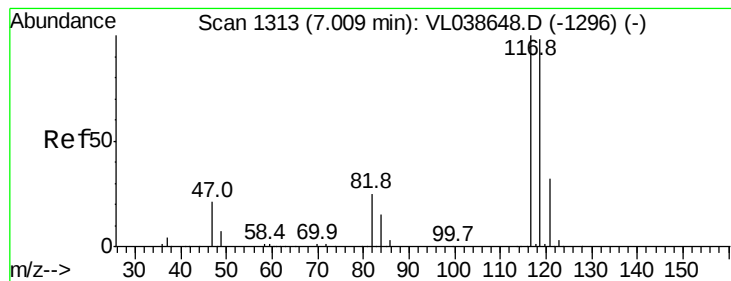
#34  
 2-Butanone  
 Concen: 10.35 ppbv  
 RT: 5.27 min Scan# 772  
 Delta R.T.: 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 936866  
 Ion Ratio Lower Upper  
 43 100  
 72 23.6 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0  
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.65 ppbv

RT: 7.05

Delta R.T. MSVOA\_L

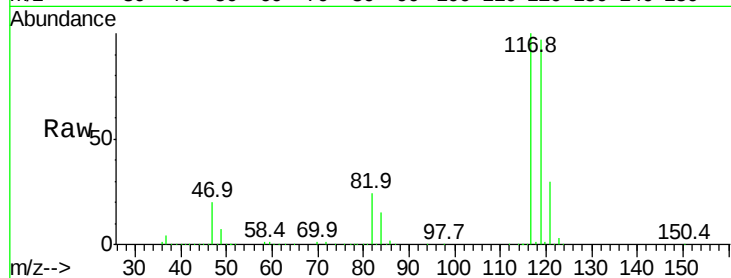
Lab File: ClientSampleId :

Acq: 25 Mar 2022 14:19

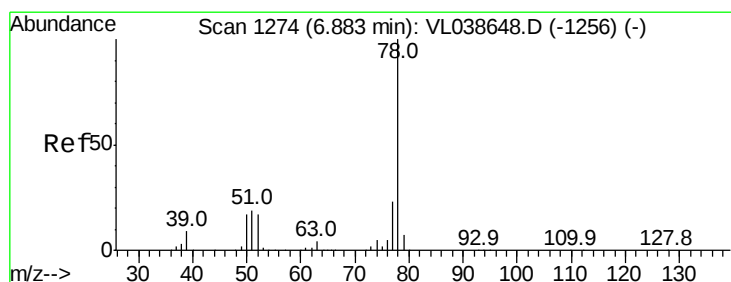
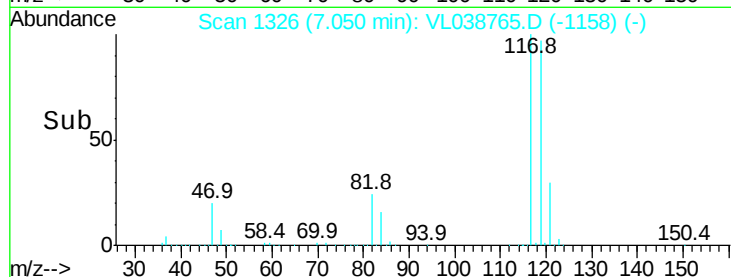
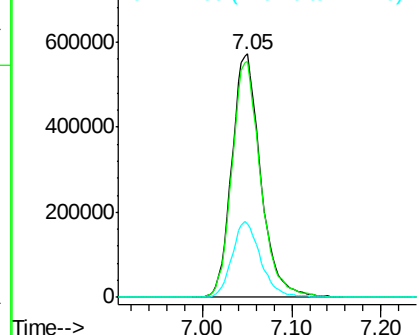
Tgt Ion: 117  
Ion Ratio: 100  
117 100  
119 96.  
121 30.

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Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.77 ppbv

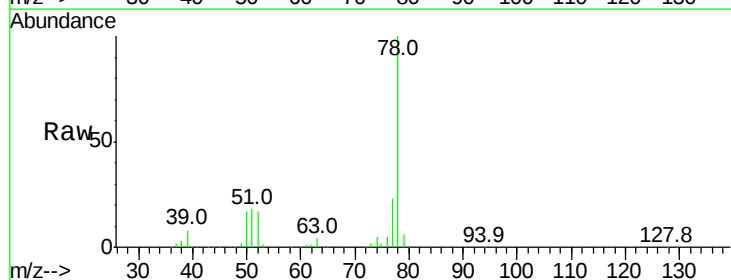
RT: 6.92 min Scan# 1286

Delta R.T. 0.04 min

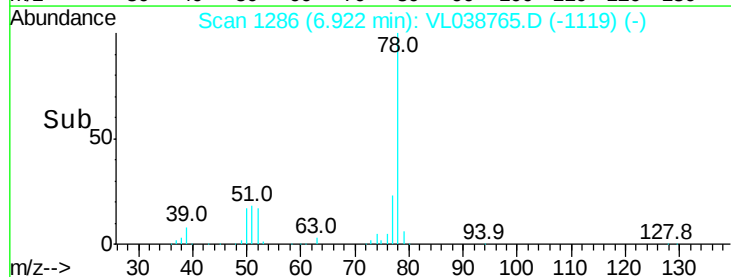
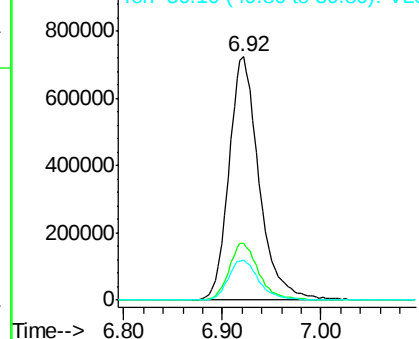
Lab File: VL038765.D

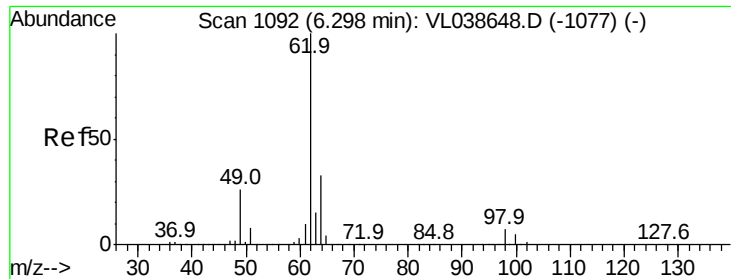
Acq: 25 Mar 2022 14:19

Tgt Ion: 78 Resp: 1547525  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.1 27.1  
50 16.6 13.6 20.4



Abundance Ion 78.10 (77.80 to 78.80): VL0  
Ion 77.10 (76.80 to 77.80): VL0  
Ion 50.10 (49.80 to 50.80): VL0



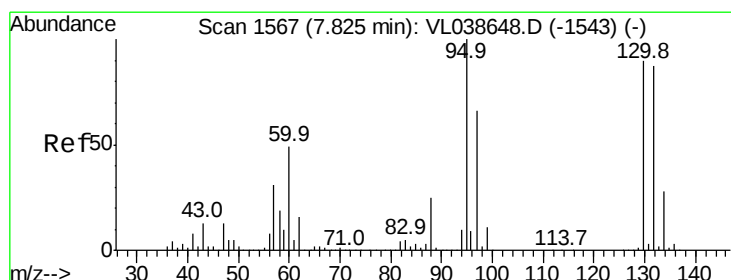
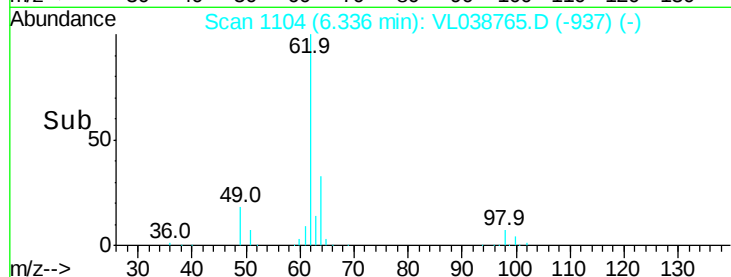
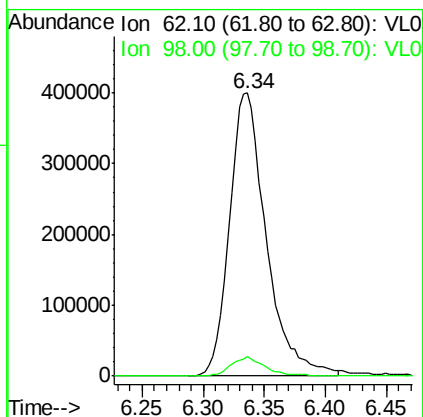
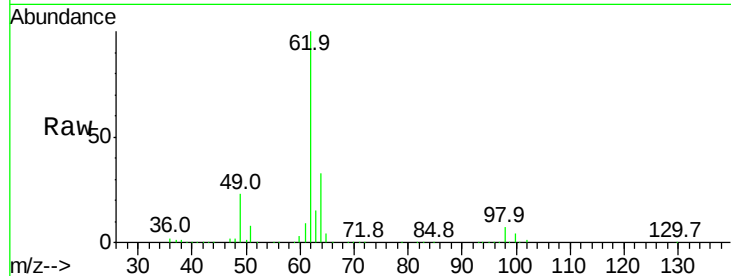


#37  
 1,2-Dichloroethane  
 Concen: 9.34 ppbv  
 RT: 6.34  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:  
 Ion Ratio  
 62 100  
 98 6.

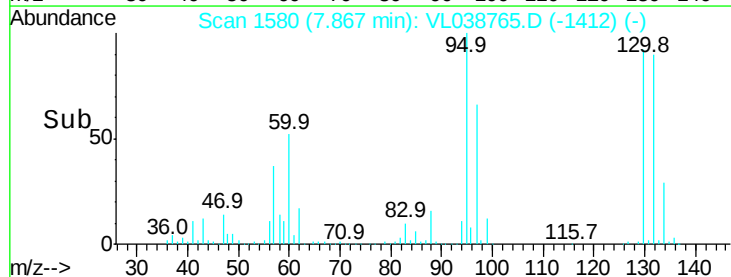
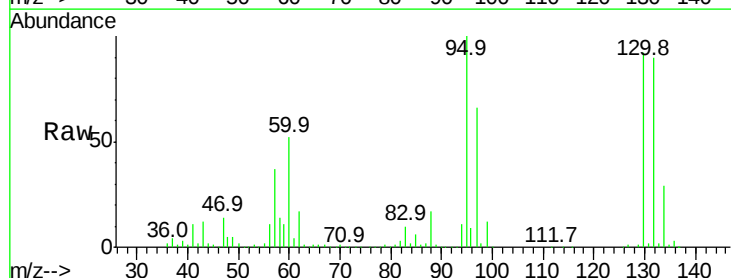
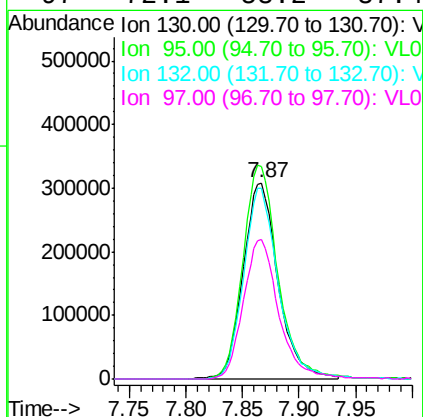
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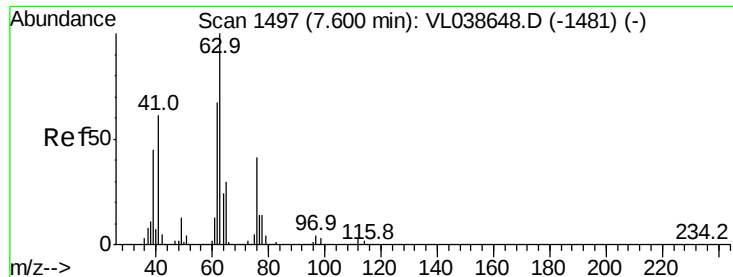
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#38  
 Trichloroethene  
 Concen: 8.92 ppbv  
 RT: 7.87 min Scan# 1580  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion:130 Resp: 659825  
 Ion Ratio Lower Upper  
 130 100  
 95 109.8 88.9 133.3  
 132 98.8 77.4 116.0  
 97 72.1 58.2 87.4



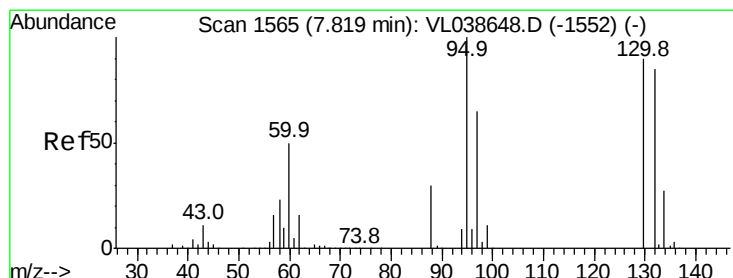
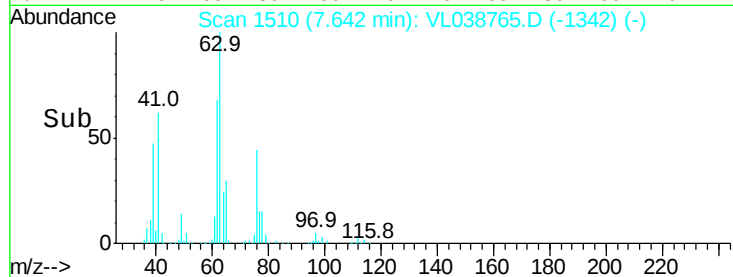
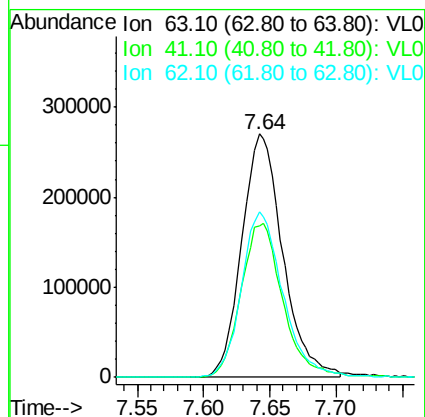
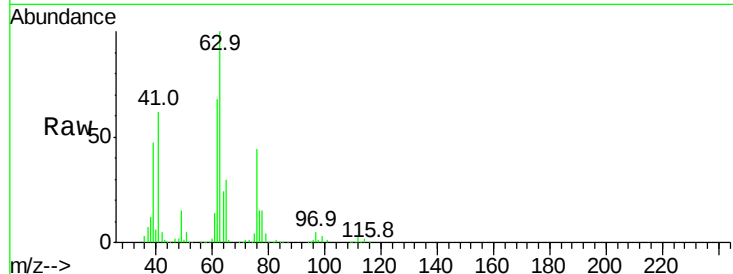


#39  
 1,2-Dichloropropane  
 Concen: 8.44 ppbv  
 RT: 7.64  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:  
 Ion Ratio  
 63 100  
 41 62.  
 62 68.

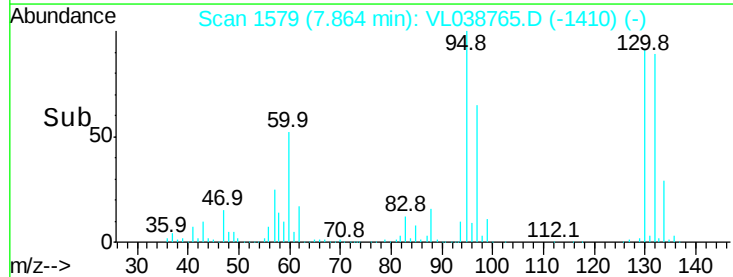
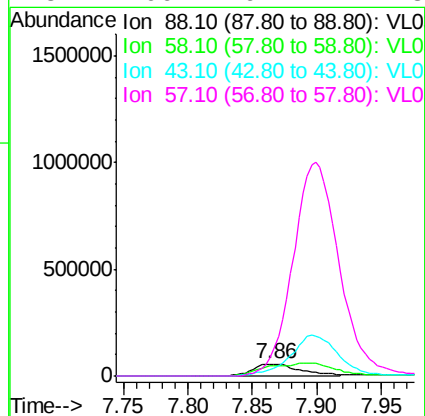
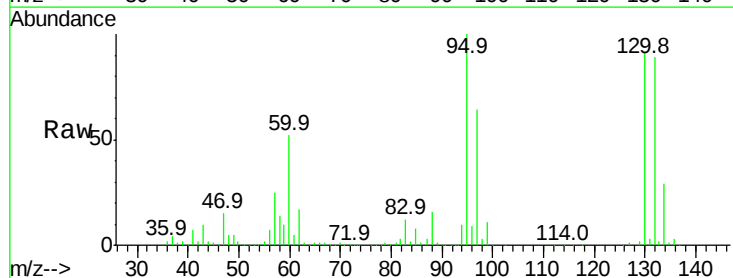
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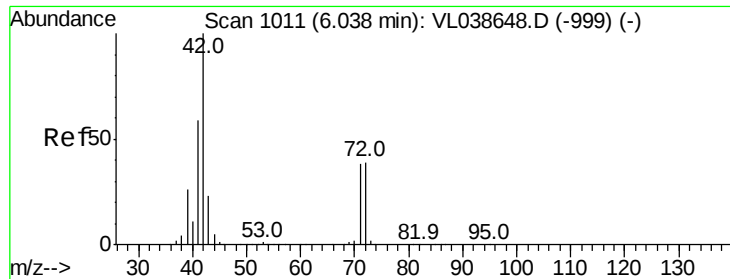
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#40  
 1,4-Dioxane  
 Concen: 6.15 ppbv m  
 RT: 7.86 min Scan# 1579  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 88 Resp: 147446  
 Ion Ratio Lower Upper  
 88 100  
 58 159.9 105.6 158.4#  
 43 344.8 201.9 302.9#  
 57 1709.2 942.1 1413.1#





#41

Tetrahydrofuran

Concen: 8.45 ppbv

RT: 6.08

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

42 100

72 42.

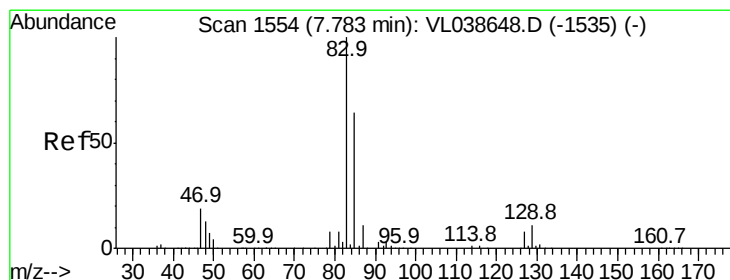
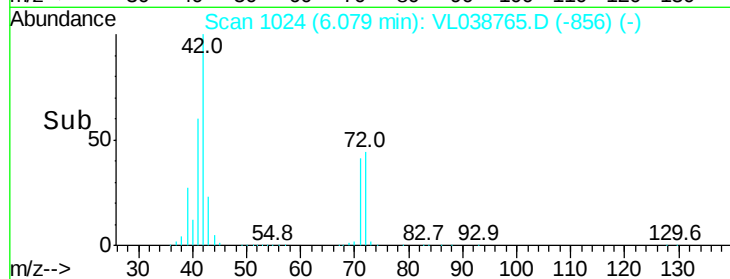
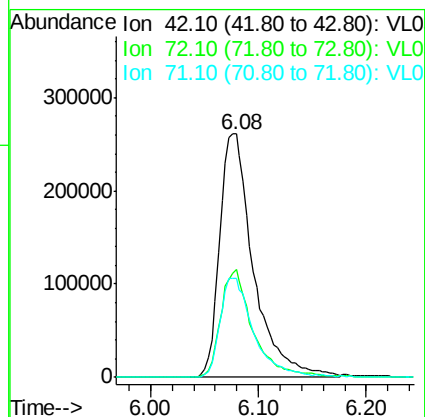
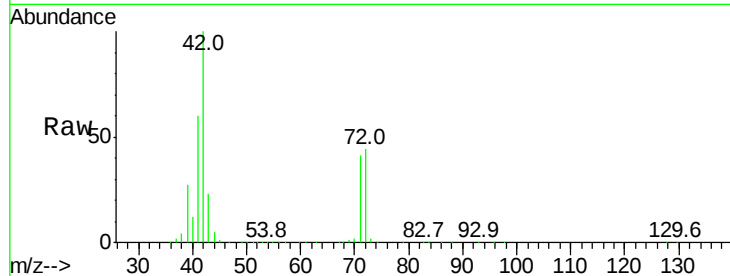
71 41.

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#42

Bromodichloromethane

Concen: 9.49 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

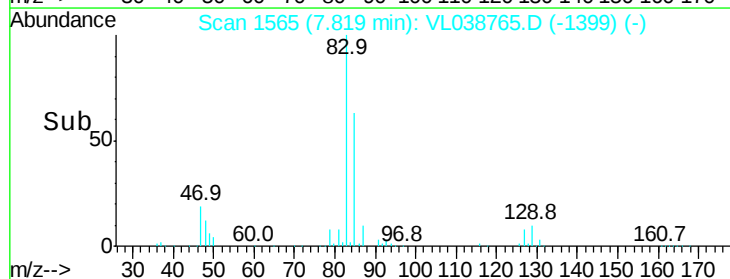
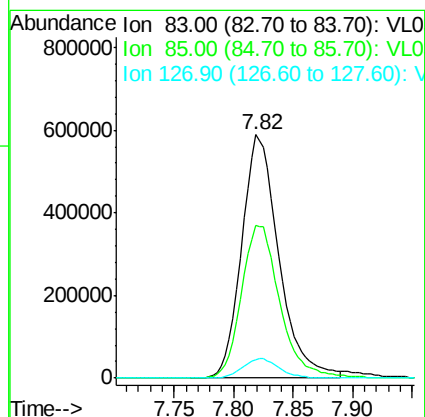
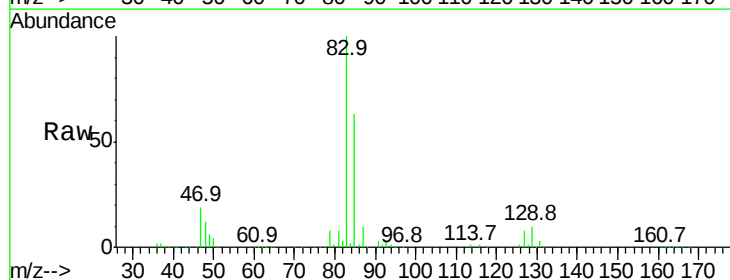
Tgt Ion: 83 Resp: 1278396

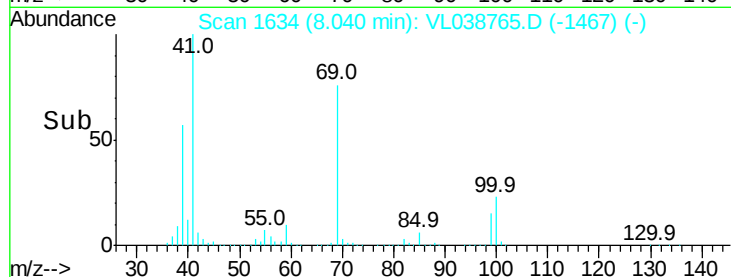
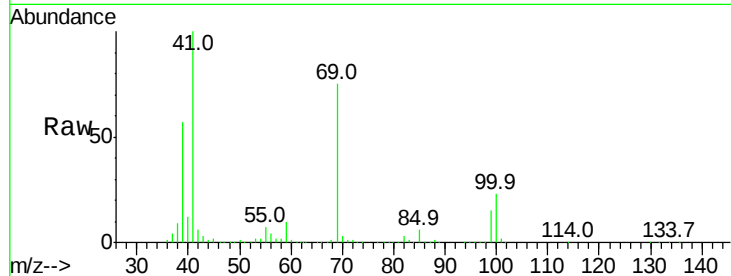
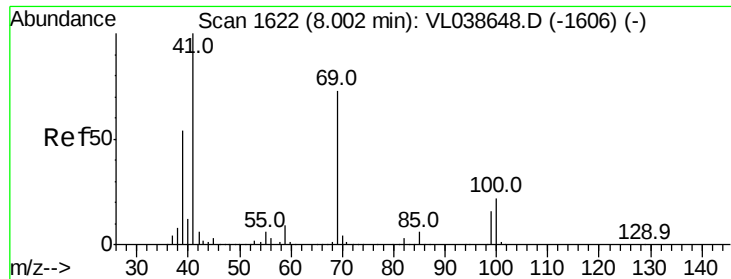
Ion Ratio Lower Upper

83 100

85 62.9 51.1 76.7

127 7.8 6.5 9.7





#43

Methyl Methacrylate

Concen: 10.04 ppbv

RT: 8.04

Instrument: MSVOA\_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

69 100

41 132.

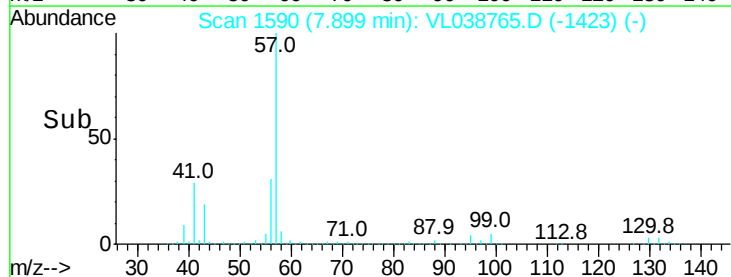
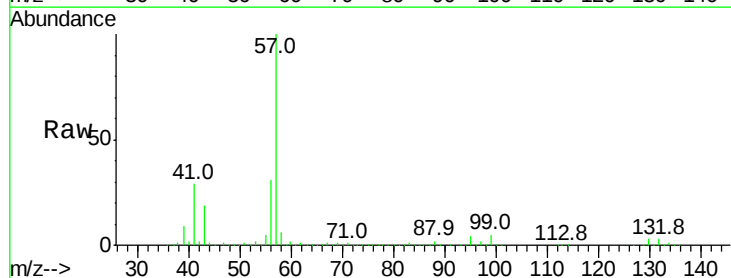
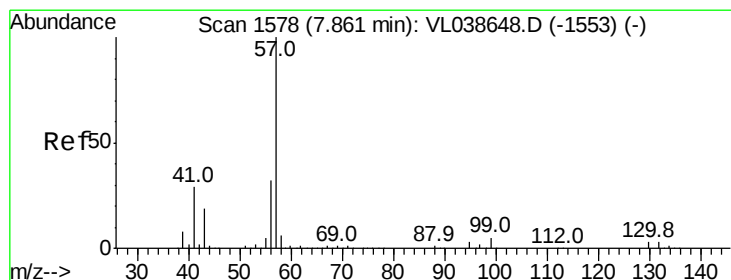
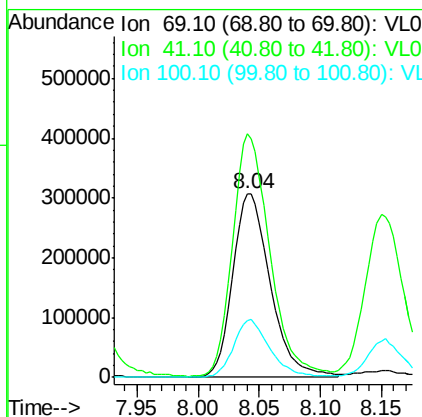
100 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#44

2,2,4-Trimethylpentane

Concen: 8.49 ppbv

RT: 7.90 min Scan# 1590

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

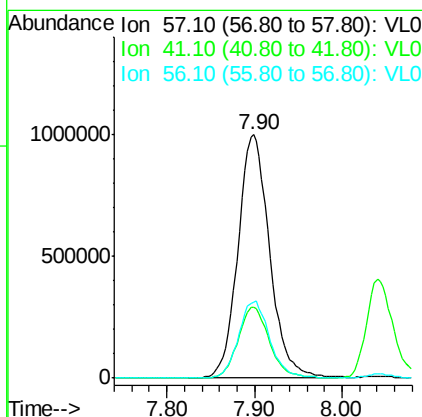
Tgt Ion: 57 Resp: 2515383

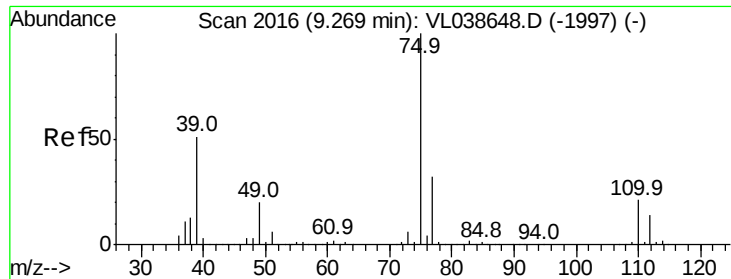
Ion Ratio Lower Upper

57 100

41 28.8 23.0 34.4

56 31.2 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.78 ppbv

RT: 9.31

Instrument: MSVOA\_L

Delta R.T.:

ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

75 100

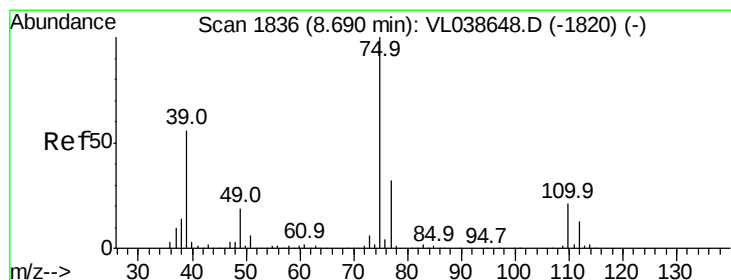
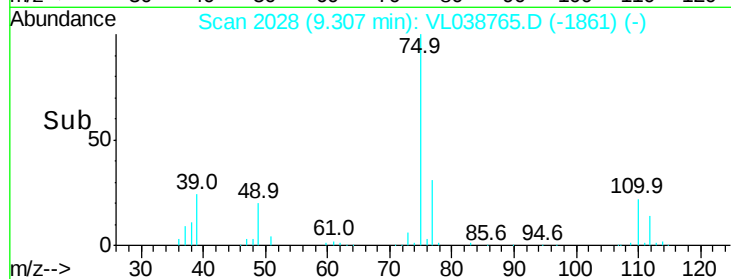
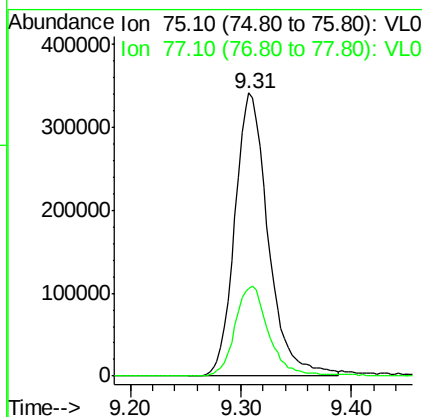
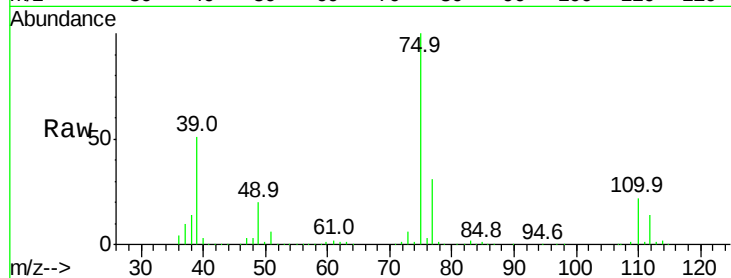
77 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#46

cis-1,3-Dichloropropene

Concen: 9.98 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

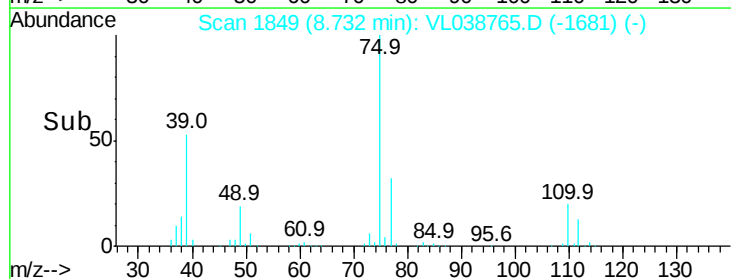
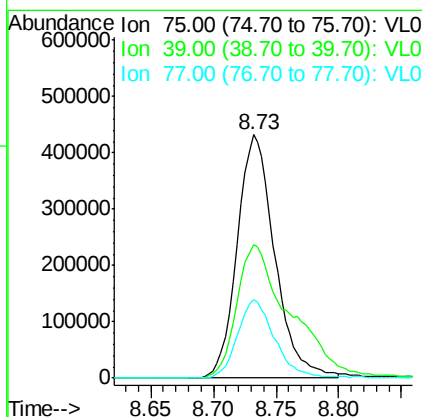
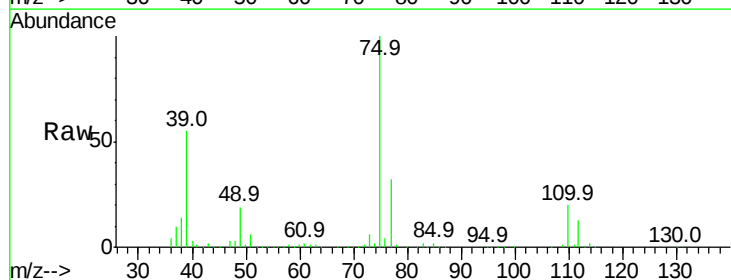
Tgt Ion: 75 Resp: 899795

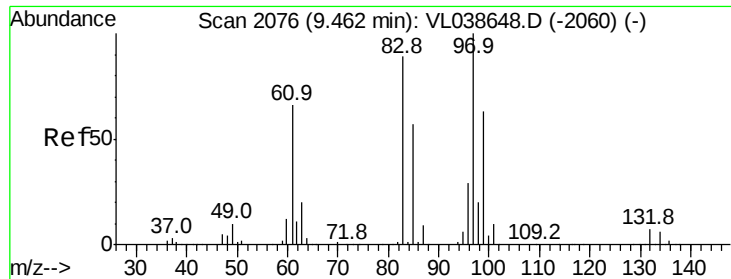
Ion Ratio Lower Upper

75 100

39 54.9 44.8 67.2

77 32.5 25.4 38.0



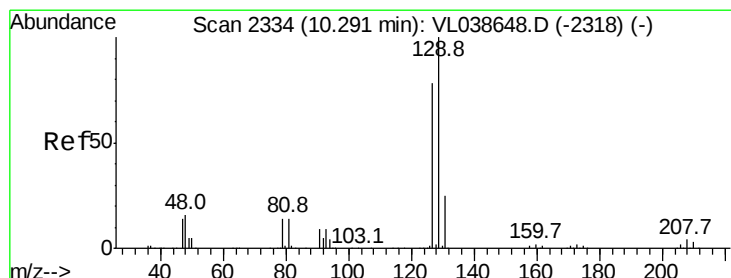
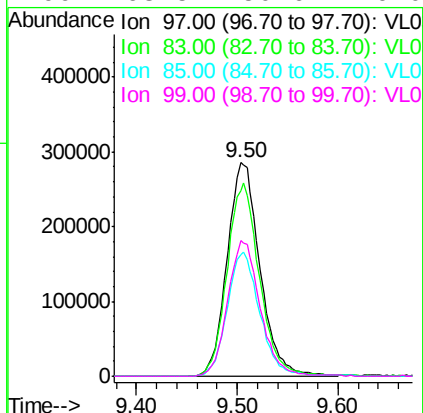
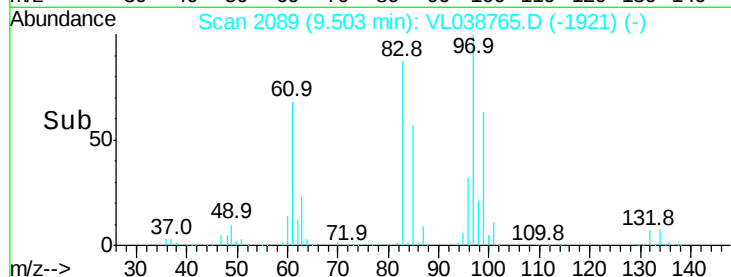
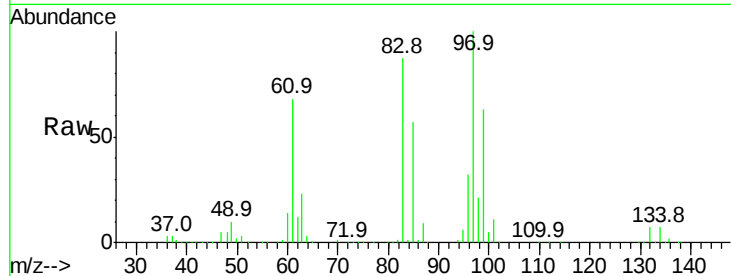


#47  
 1,1,2-Trichloroethane  
 Concen: 8.79 ppbv  
 RT: 9.50 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 97.00 (96.70 to 97.70): VL0  
 Ion Ratio 100  
 97 100  
 83 86.5  
 85 56.5  
 99 63.5 50.6 76.0

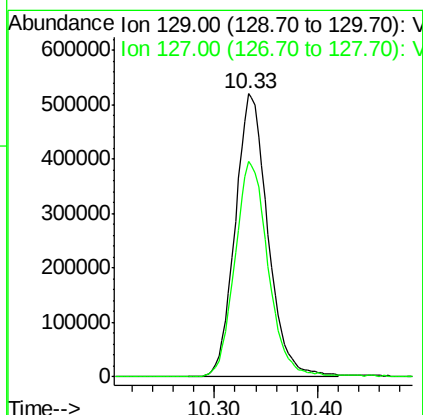
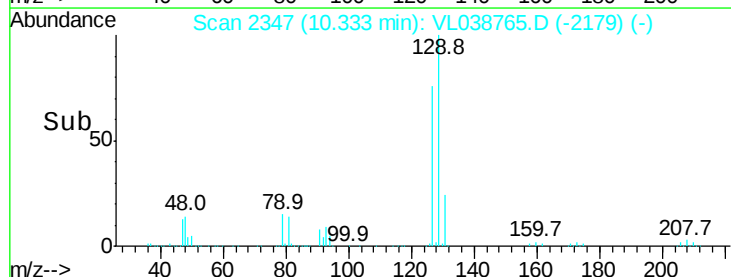
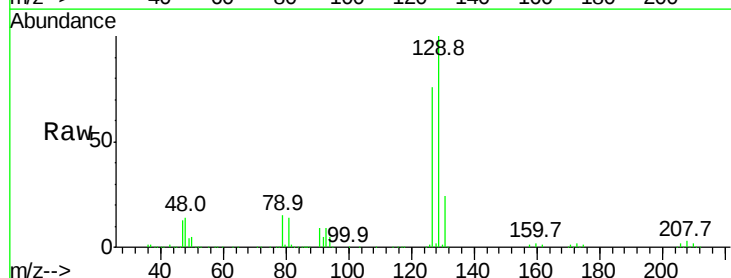
Manual Integrations  
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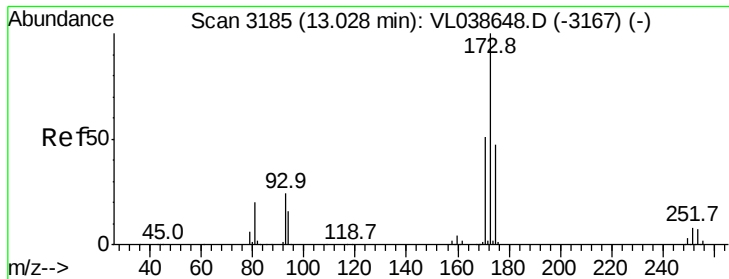
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#48  
 Dibromochloromethane  
 Concen: 9.95 ppbv  
 RT: 10.33 min Scan# 2347  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 129.00 (128.70 to 129.70): VL0  
 Ion Ratio 100  
 129 100  
 127 78.2 39.5 118.5





#49

Bromoform

Concen: 10.15 ppbv

RT: 13.07

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Mar 2022 14:19

Tgt Ion:1

Ion Ratio

173 100

175 51.

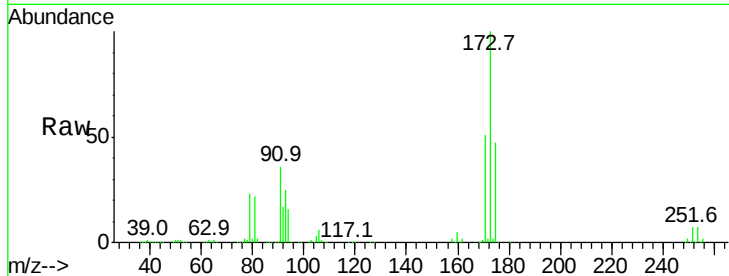
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

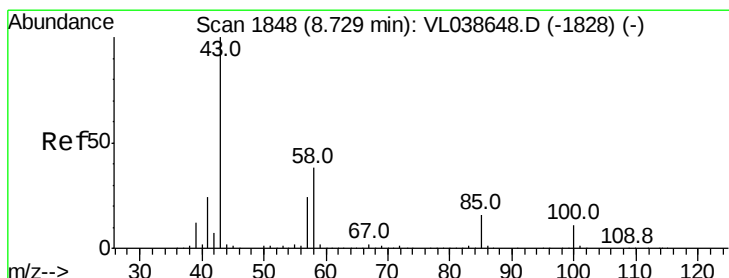
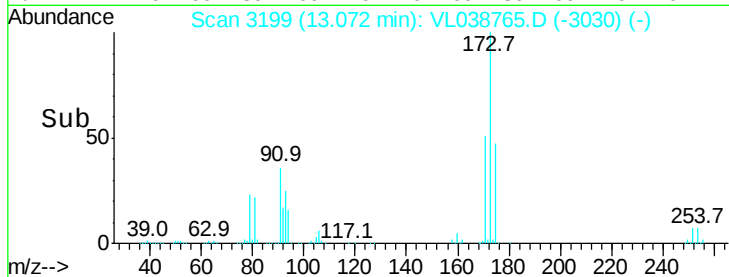
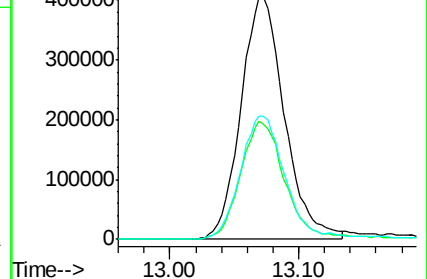
Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.67 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.04 min

Lab File: VL038765.D

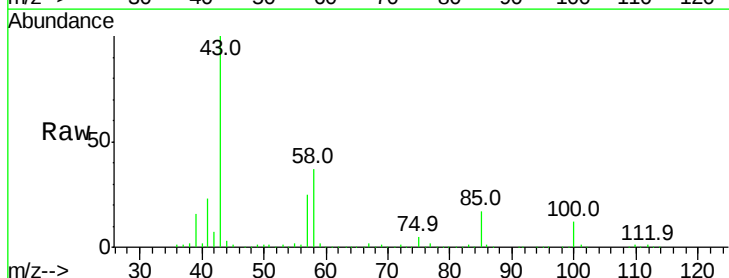
Acq: 25 Mar 2022 14:19

Tgt Ion: 43 Resp: 1460264

Ion Ratio Lower Upper

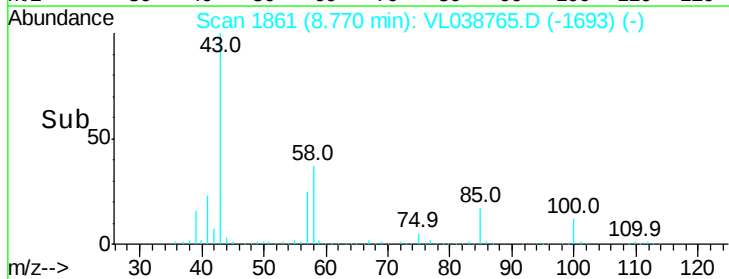
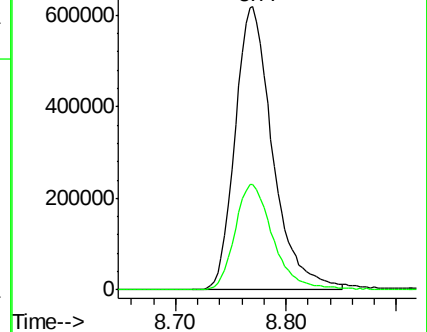
43 100

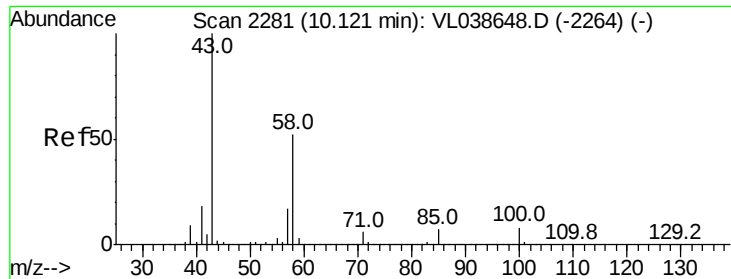
58 38.3 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



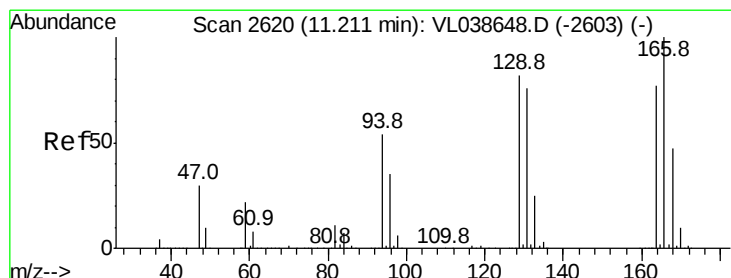
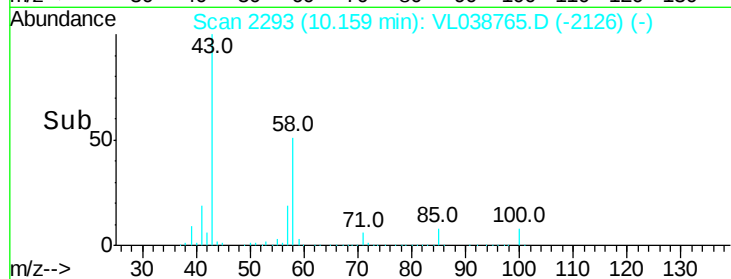
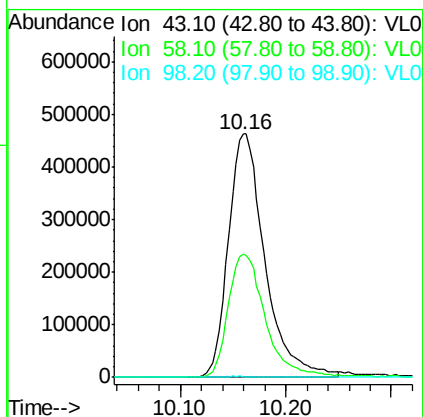
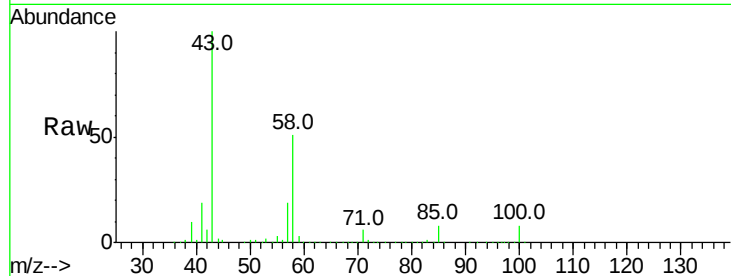


#51  
2-Hexanone  
Concen: 9.20 ppbv  
RT: 10.16 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion:  
Ion Ratio  
43 100  
58 51.  
98 0.

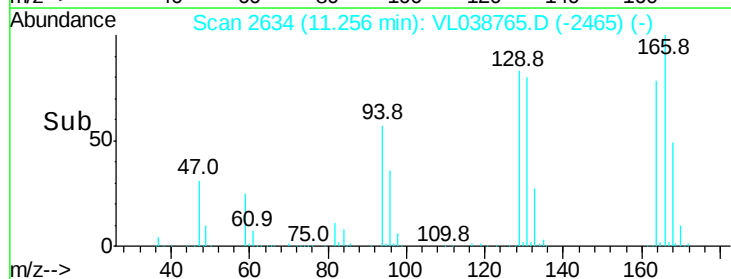
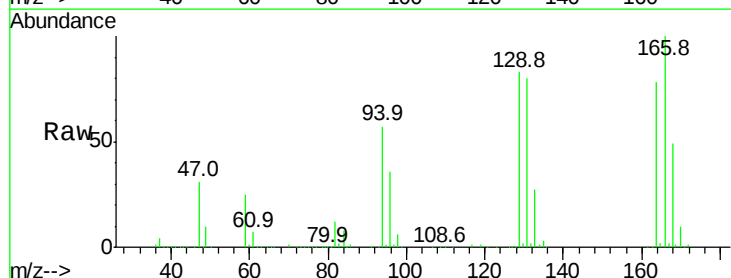
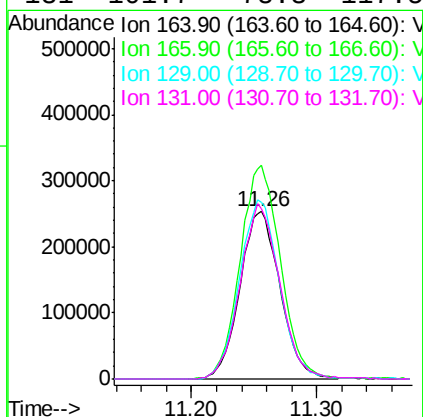
Manual Integrations  
APPROVED

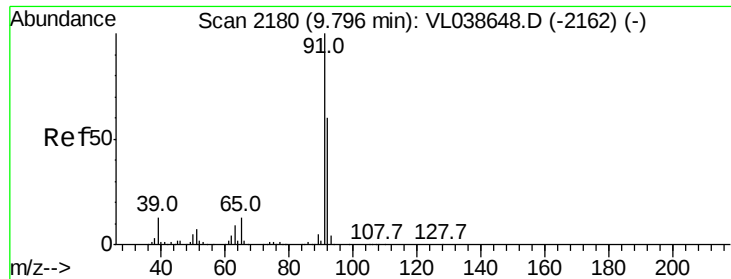
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#52  
Tetrachloroethene  
Concen: 8.73 ppbv  
RT: 11.26 min Scan# 2634  
Delta R.T.: 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion:164 Resp: 563907  
Ion Ratio Lower Upper  
164 100  
166 127.8 103.3 154.9  
129 106.1 85.2 127.8  
131 101.7 78.3 117.5





#53

Toluene

Concen: 9.45 ppbv

RT: 9.84

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

91 100

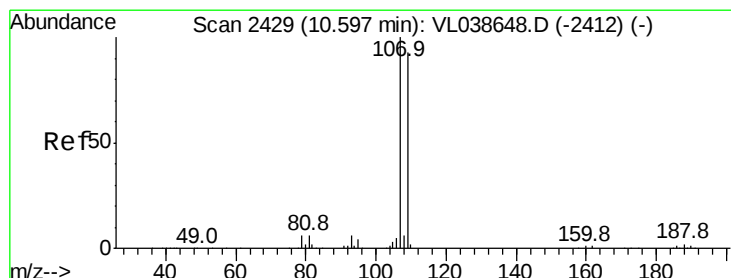
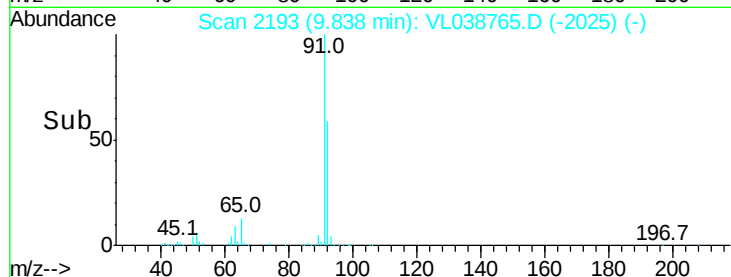
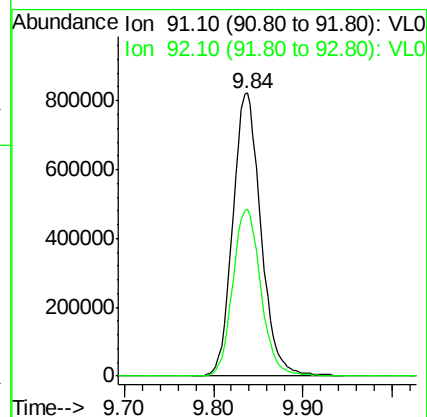
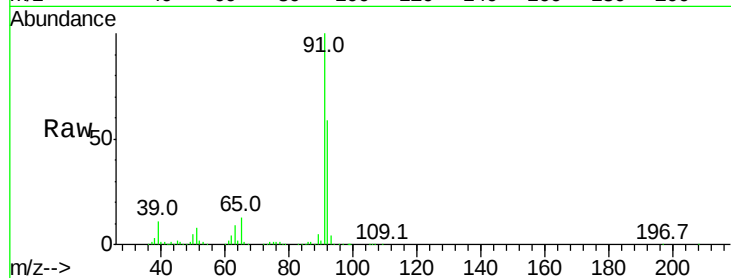
92 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#54

1,2-Dibromoethane

Concen: 9.59 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.04 min

Lab File: VL038765.D

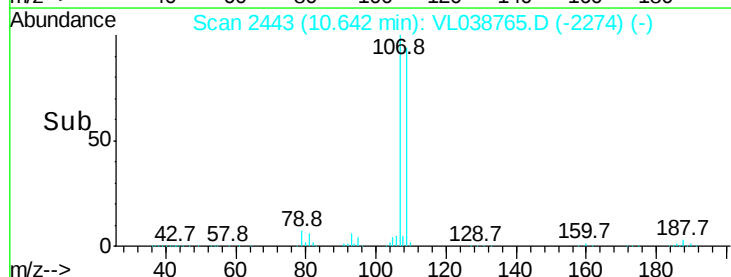
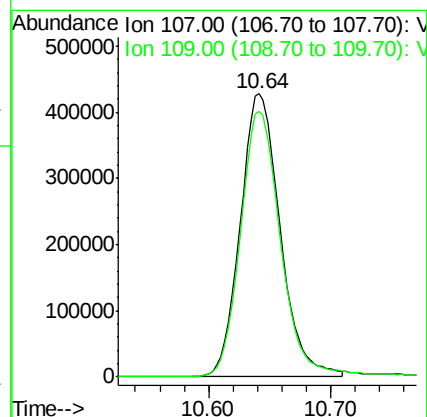
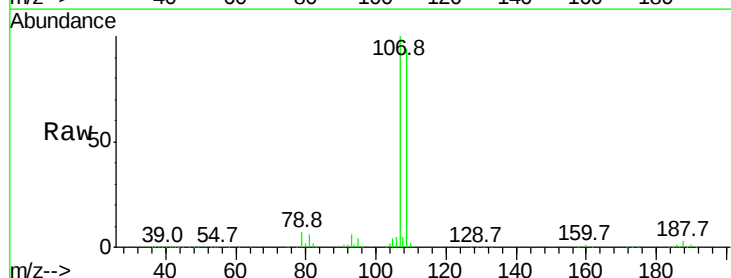
Acq: 25 Mar 2022 14:19

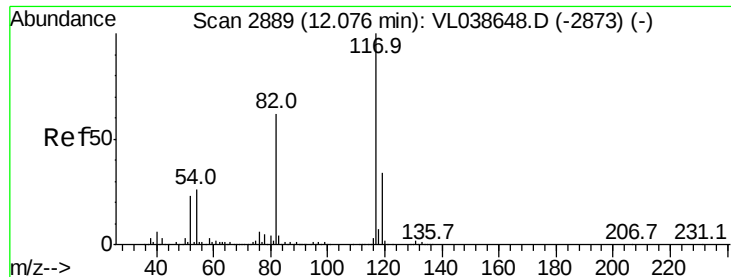
Tgt Ion:107 Resp: 964490

Ion Ratio Lower Upper

107 100

109 93.8 74.1 111.1



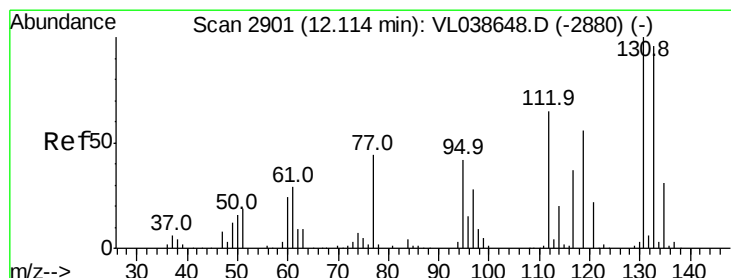
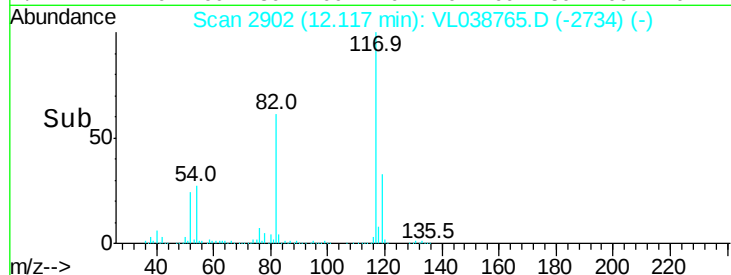
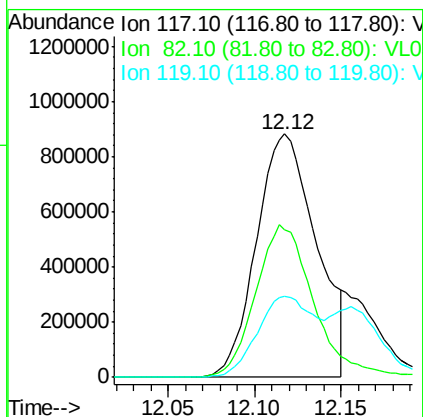
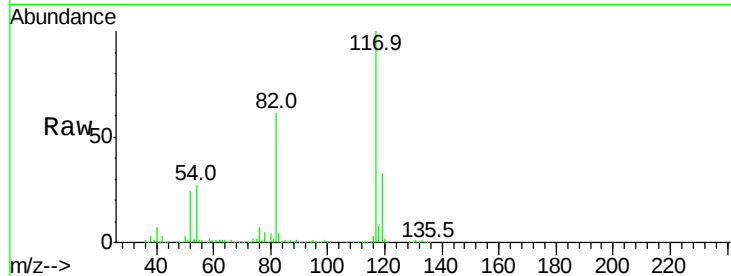


#55  
Chlorobenzene-d5  
Concen: 10.00 ppbv m  
RT: 12.12 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Mar 2022 14:19

Tgt Ion:1  
Ion Rati  
117 100  
82 62.  
119 32.

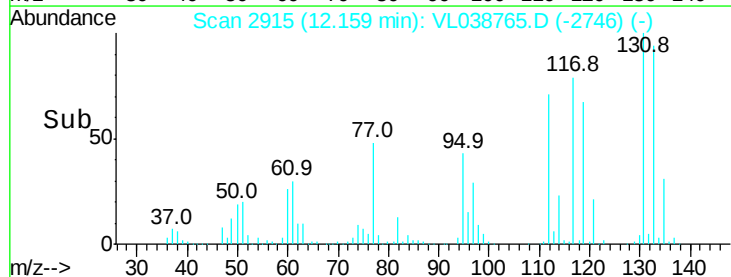
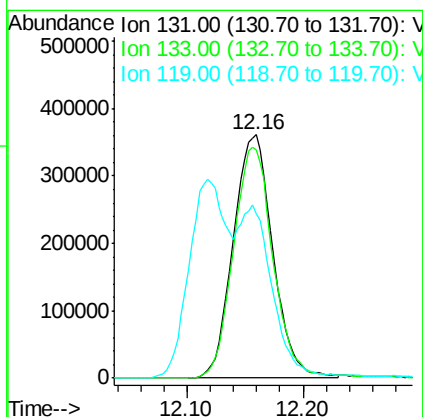
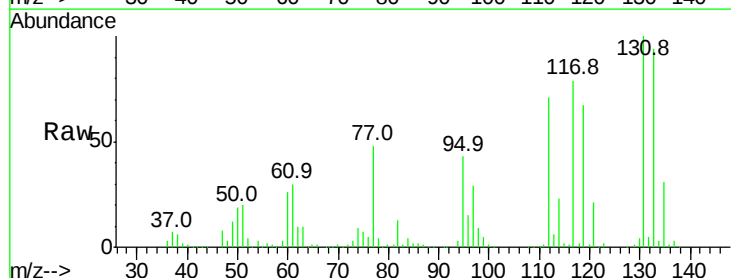
Manual Integrations  
APPROVED

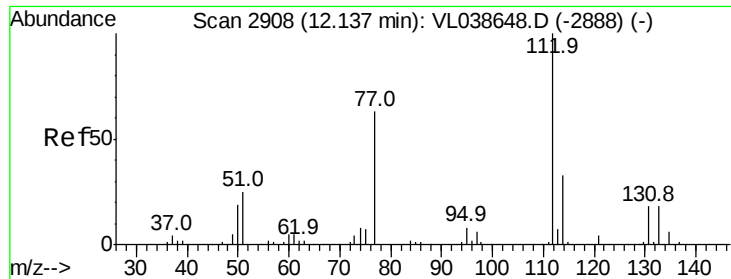
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.71 ppbv  
RT: 12.16 min Scan# 2915  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion:131 Resp: 854672  
Ion Ratio Lower Upper  
131 100  
133 96.2 77.3 115.9  
119 68.1 53.0 79.6



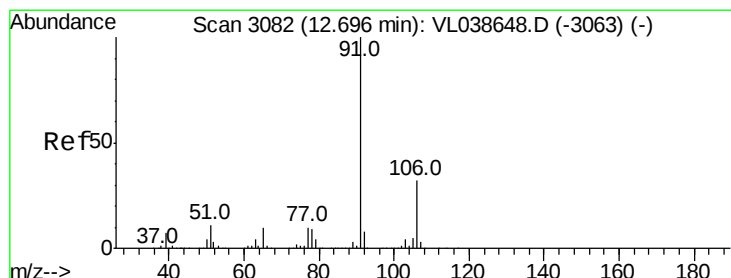
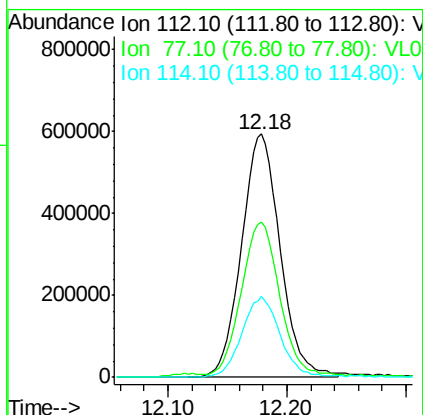
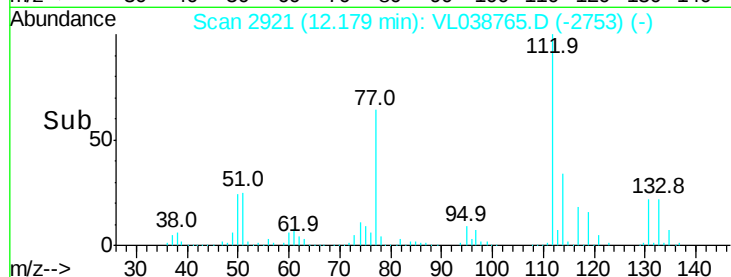
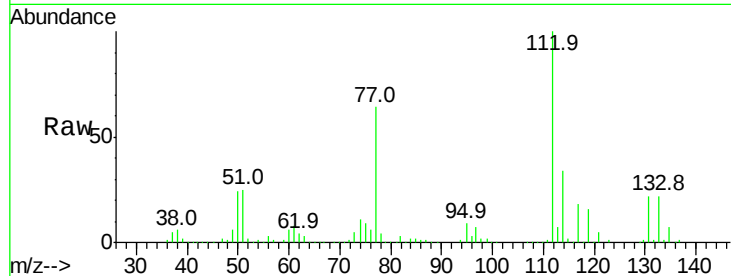


#57  
Chlorobenzene  
Concen: 8.72 ppbv  
RT: 12.18 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion: 112  
Ion Ratio: 100  
77 62.1  
114 33.1

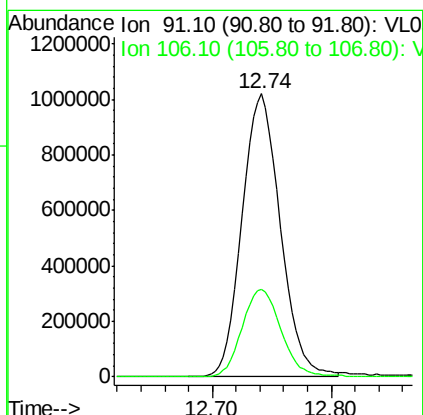
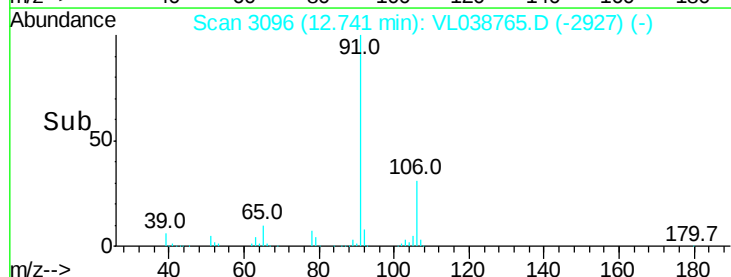
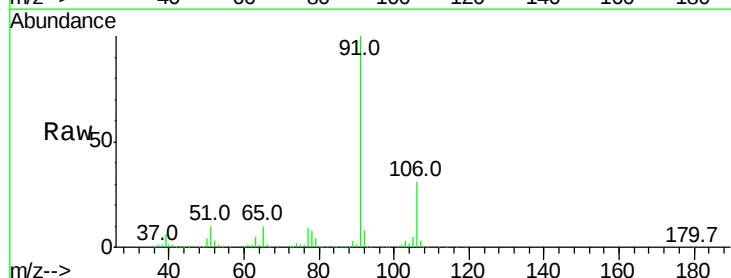
Manual Integrations  
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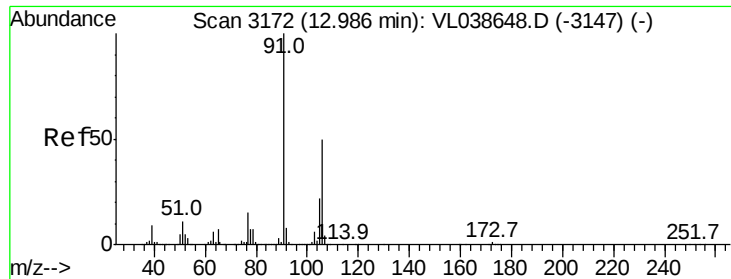
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#58  
Ethyl Benzene  
Concen: 9.19 ppbv  
RT: 12.74 min Scan# 3096  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 2279689  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.4 38.0



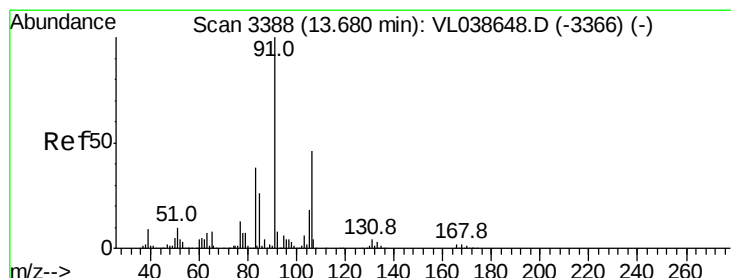
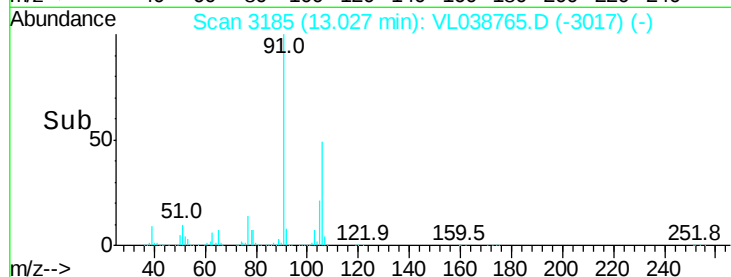
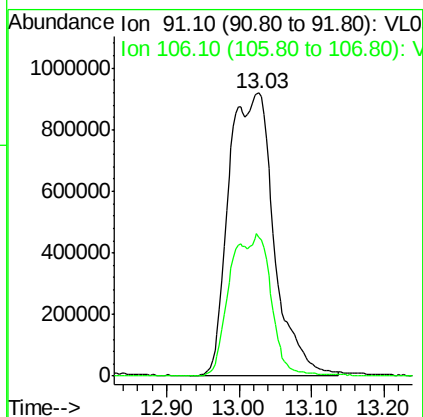
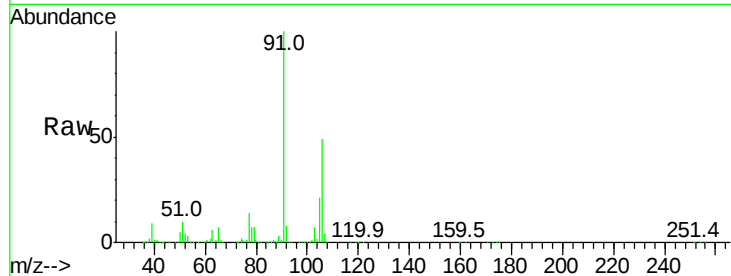


#59  
m/p-Xylene  
Concen: 18.34 ppbv m  
RT: 13.03  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Mar 2022 14:19

Tgt Ion:  
Ion Ratio  
91 100  
106 45.

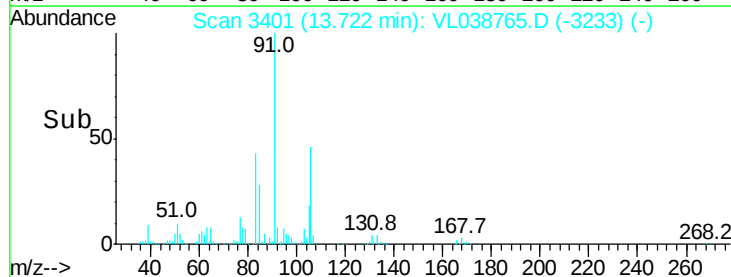
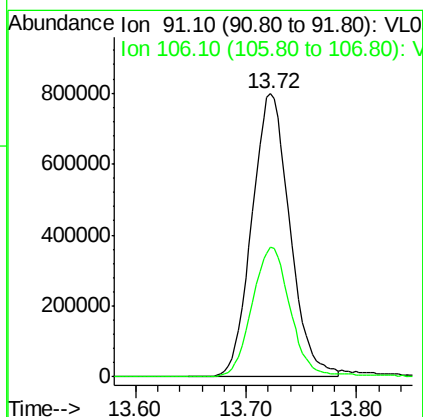
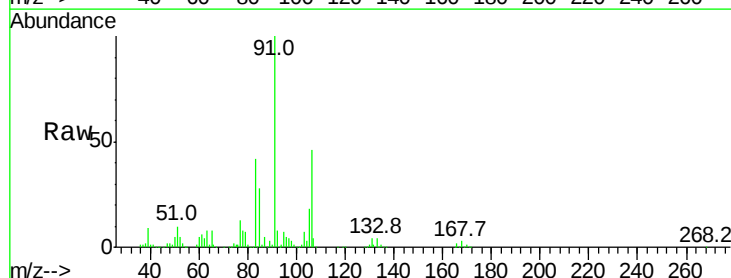
Manual Integrations  
APPROVED

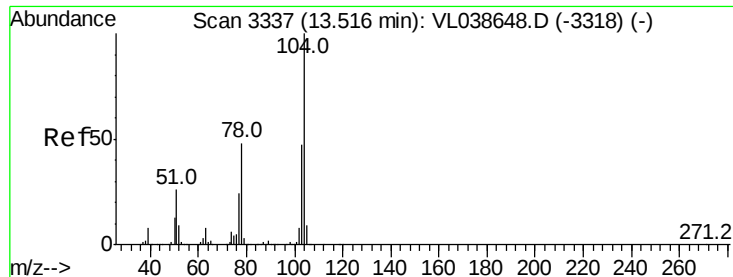
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#60  
o-Xylene  
Concen: 9.22 ppbv  
RT: 13.72 min Scan# 3401  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 1899653  
Ion Ratio Lower Upper  
91 100  
106 47.3 23.5 70.5



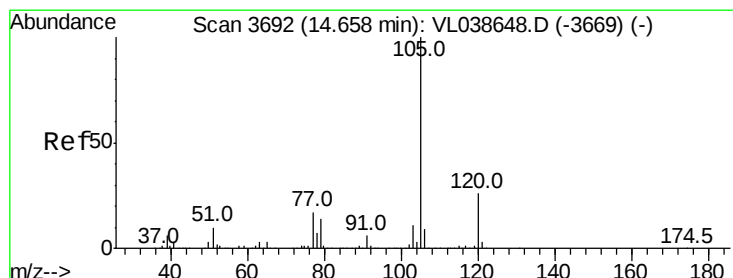
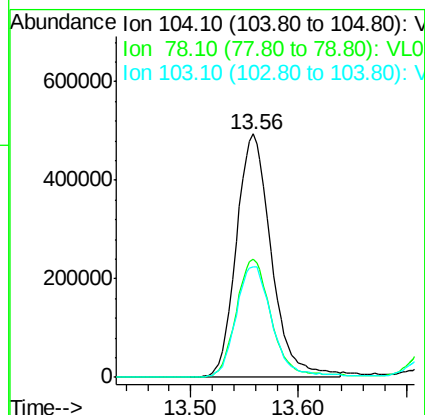
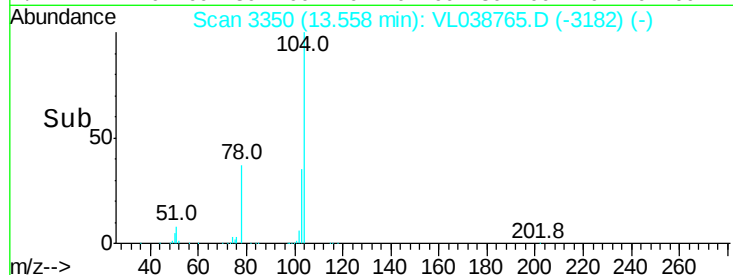
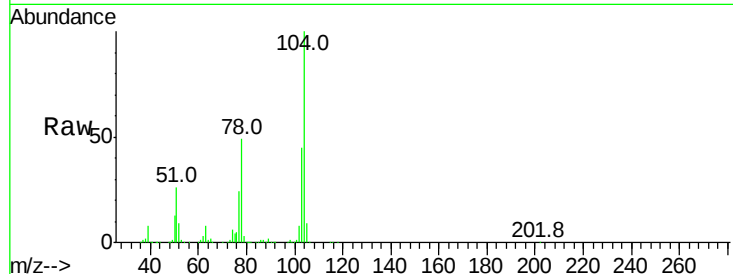


#61  
Styrene  
Concen: 10.01 ppbv  
RT: 13.56 min  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
VSTDCCC010EC  
Acq: 25 Mar 2022 14:19

Tgt Ion:1  
Ion Ratio  
104 100  
78 49.  
103 47.

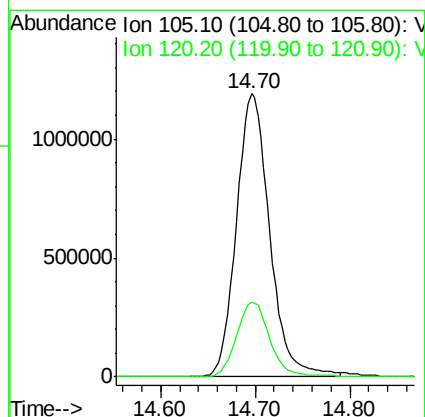
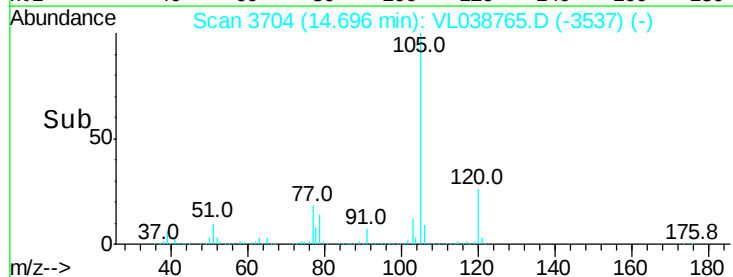
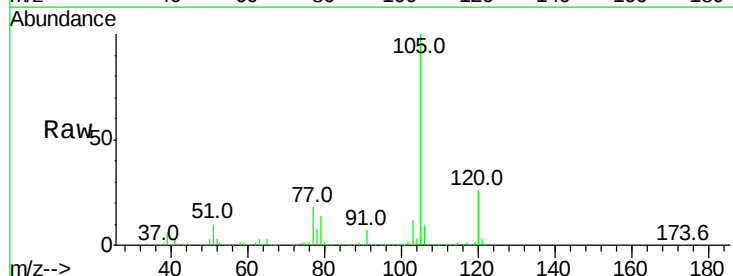
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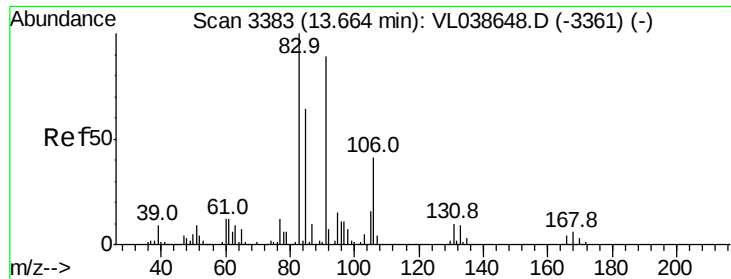
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#62  
Isopropylbenzene  
Concen: 9.40 ppbv  
RT: 14.70 min Scan# 3704  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 2911627  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.2 31.8





#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 8.26 ppbv  
 RT: 13.71 min  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

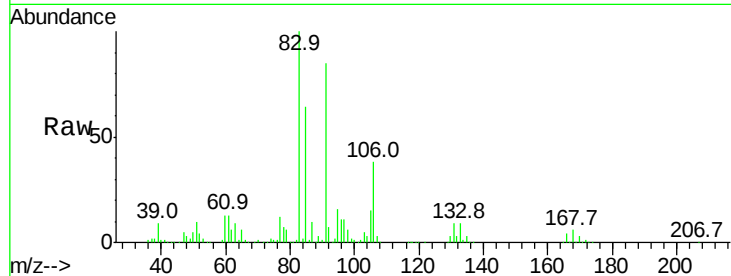
Instrument : MSVOA\_1

ClientSampleId : VSTDCCC010EC

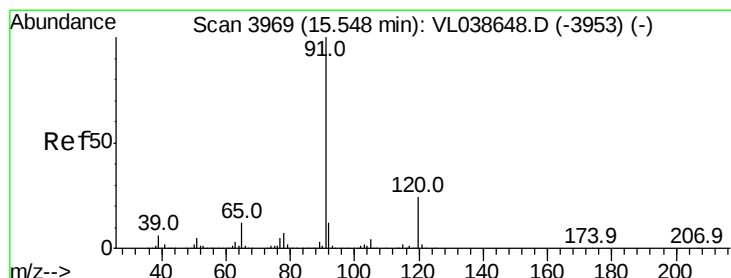
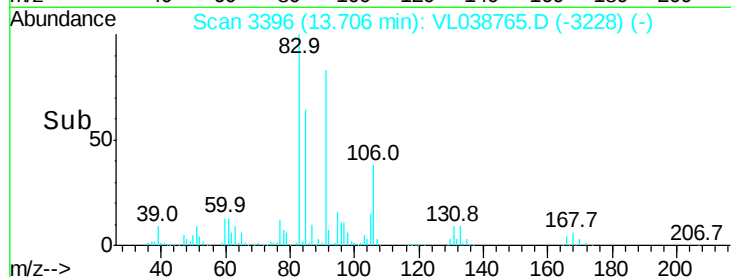
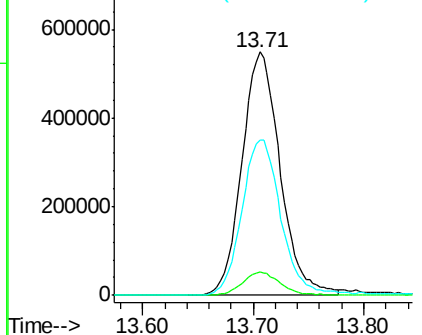
Tgt Ion:  
 Ion Ratio  
 83 100  
 131 9.  
 85 66.

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Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022

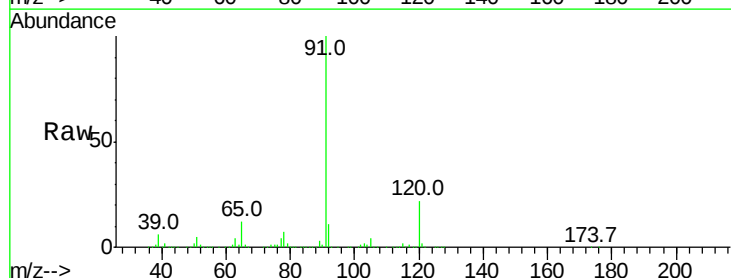


Abundance Ion 83.00 (82.70 to 83.70): VL0  
 Ion 131.00 (130.70 to 131.70): VL0  
 Ion 85.00 (84.70 to 85.70): VL0

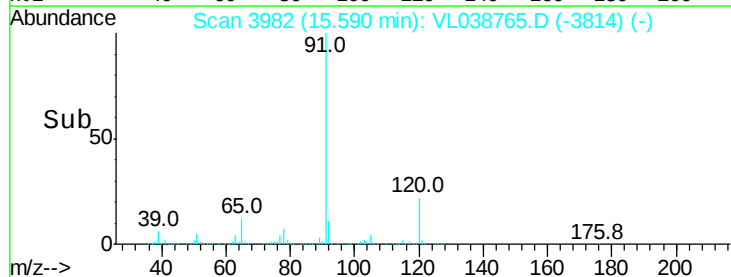
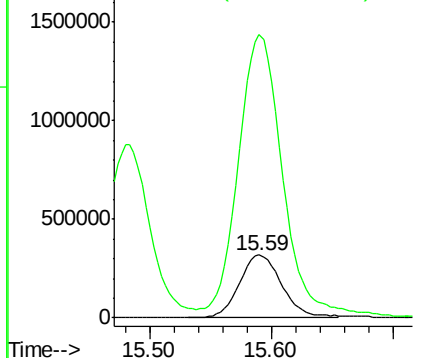


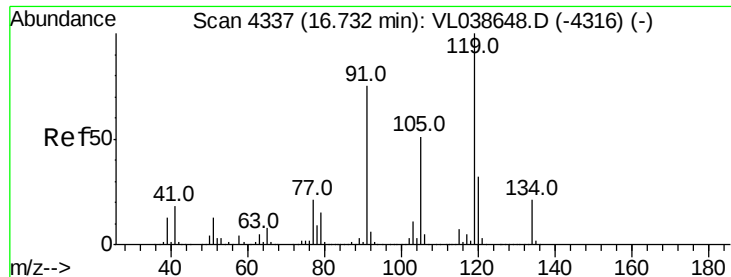
#64  
 n-propylbenzene  
 Concen: 9.47 ppbv  
 RT: 15.59 min Scan# 3982  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 120 Resp: 770048  
 Ion Ratio Lower Upper  
 120 100  
 91 476.1 368.0 552.0



Abundance Ion 120.20 (119.90 to 120.90): VL0  
 Ion 91.10 (90.80 to 91.80): VL0



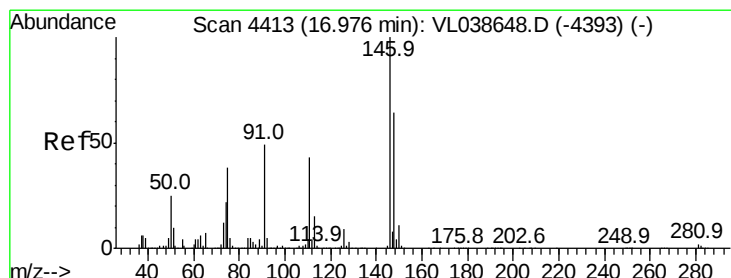
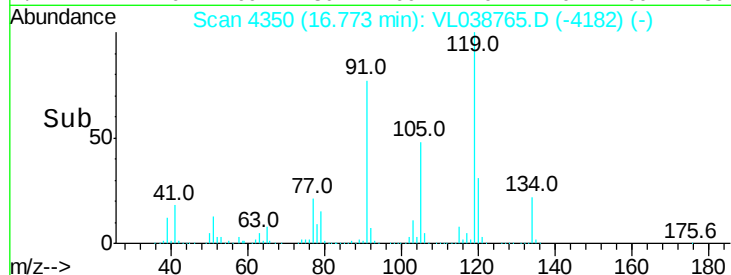
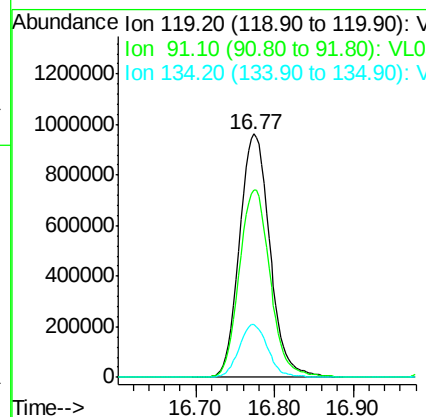
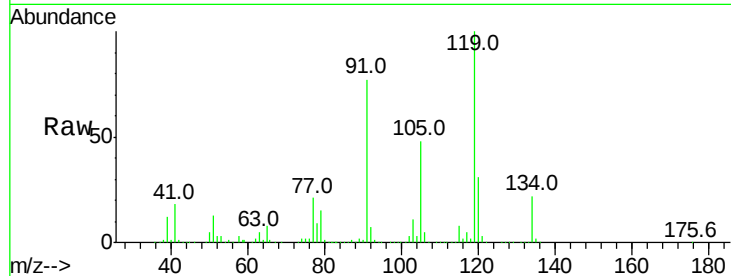


#65  
 tert-Butylbenzene  
 Concen: 9.35 ppbv  
 RT: 16.77 min  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 119.0  
 Ion Ratio: 100  
 91 78.1  
 134 20.0

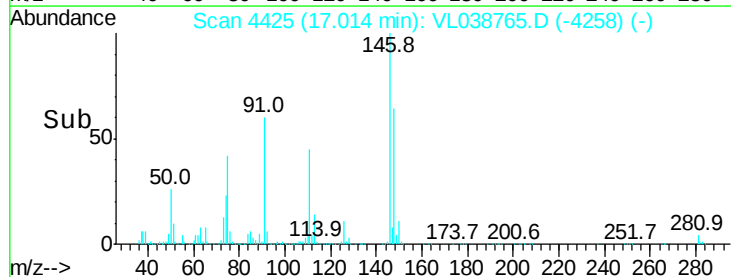
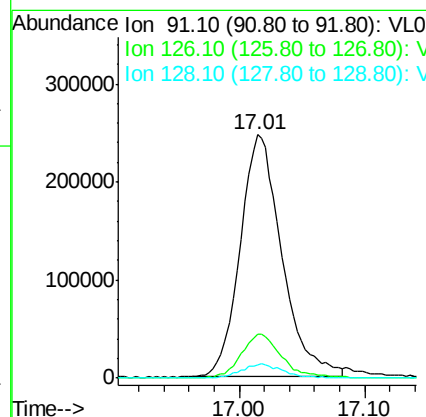
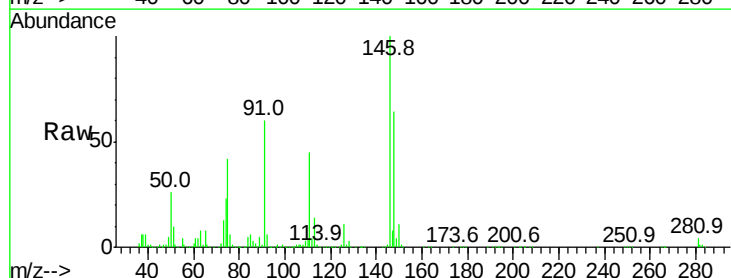
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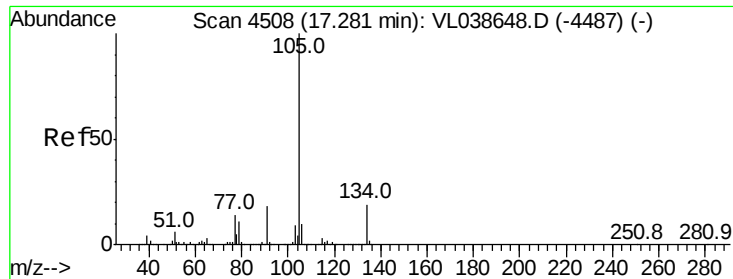
Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022



#66  
 Benzyl Chloride  
 Concen: 10.84 ppbv  
 RT: 17.01 min Scan# 4425  
 Delta R.T.: 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 571088  
 Ion Ratio Lower Upper  
 91 100  
 126 17.9 14.3 21.5  
 128 5.8 4.6 6.8



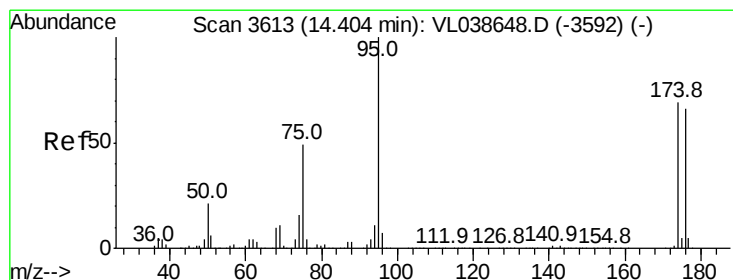
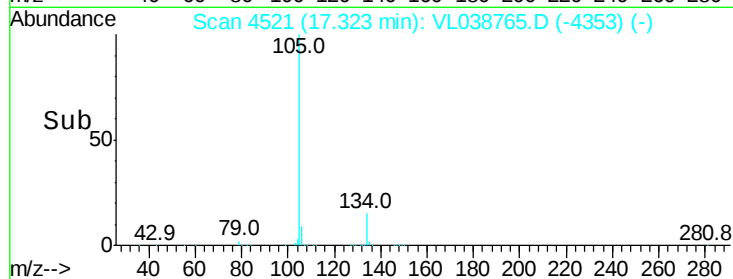
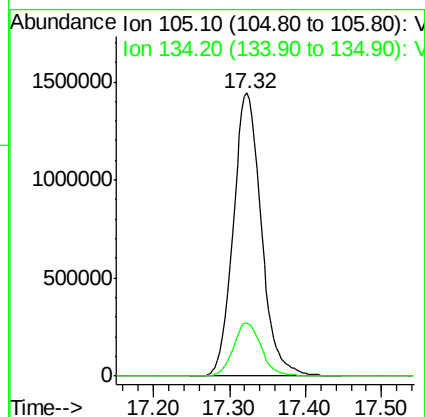
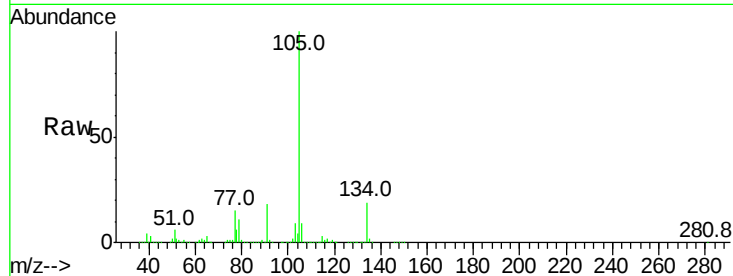


#67  
 sec-Butylbenzene  
 Concen: 9.27 ppbv  
 RT: 17.32 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 105.10  
 Ion Ratio: 100  
 134 18.

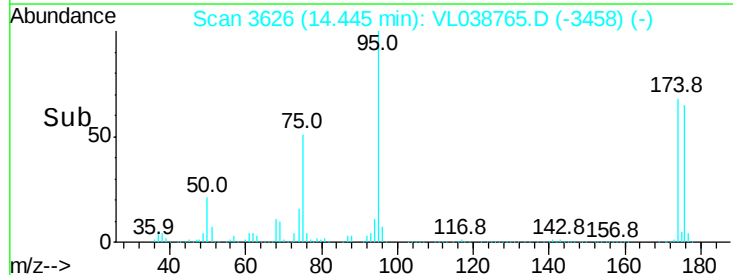
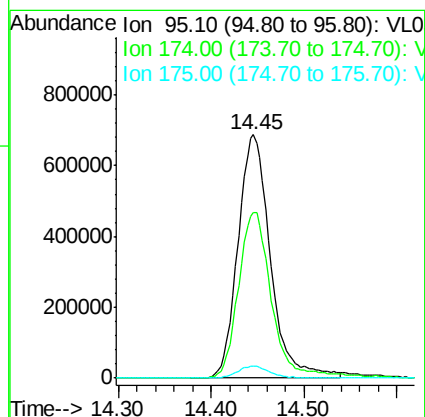
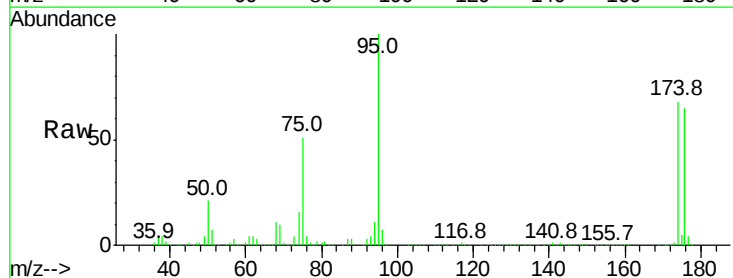
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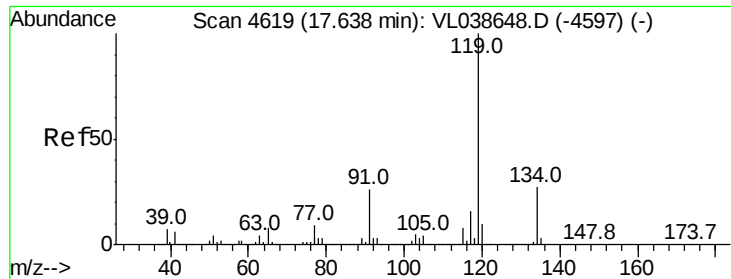
Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.27 ppbv  
 RT: 14.45 min Scan# 3626  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 95 Resp: 1670232  
 Ion Ratio Lower Upper  
 95 100  
 174 70.5 56.1 84.1  
 175 5.0 4.2 6.2



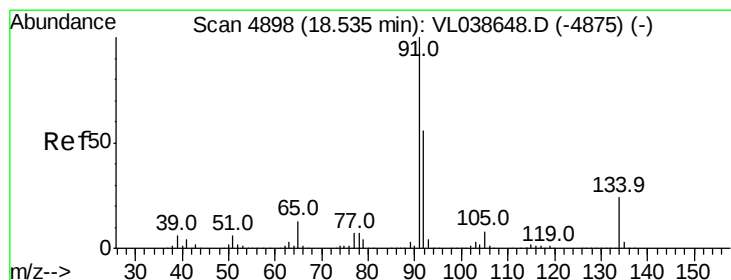
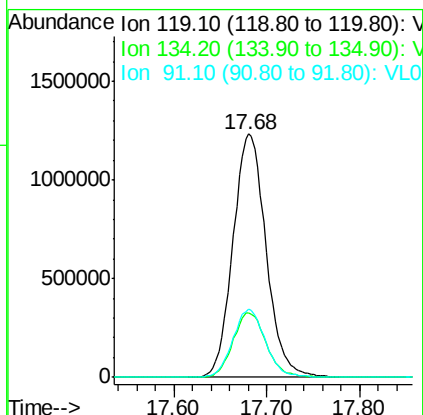
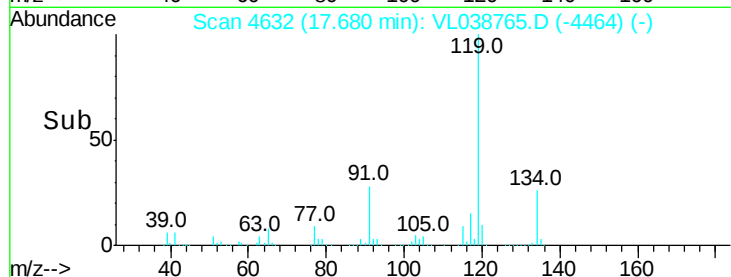
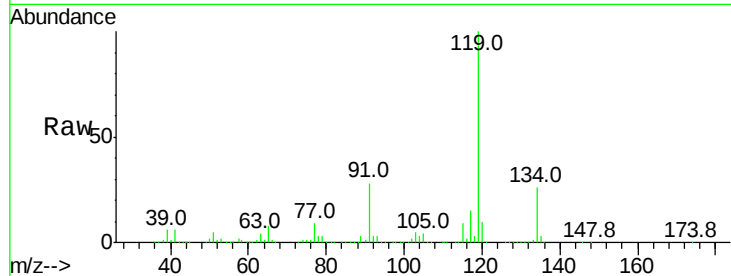


#69  
 p-Isopropyltoluene  
 Concen: 9.39 ppbv  
 RT: 17.68 min  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 119  
 Ion Ratio: 100  
 119 100  
 134 26.1  
 91 27.1

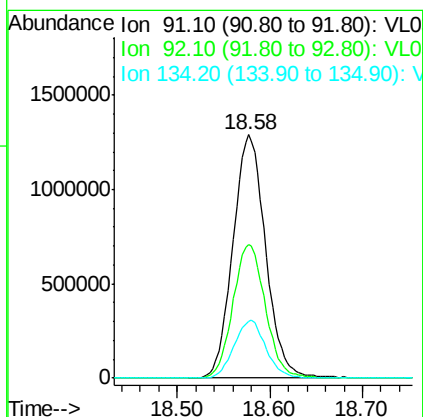
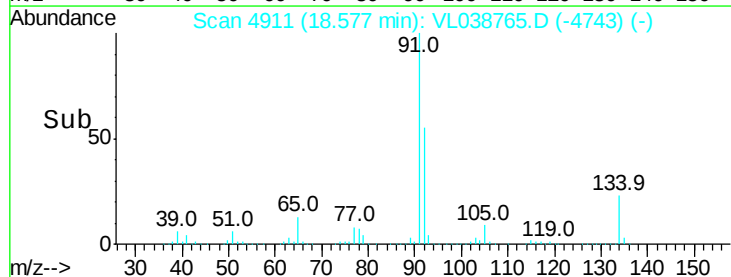
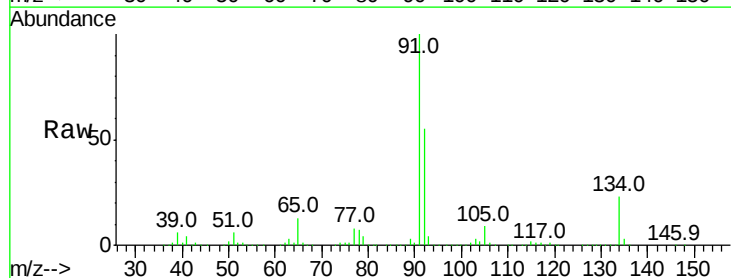
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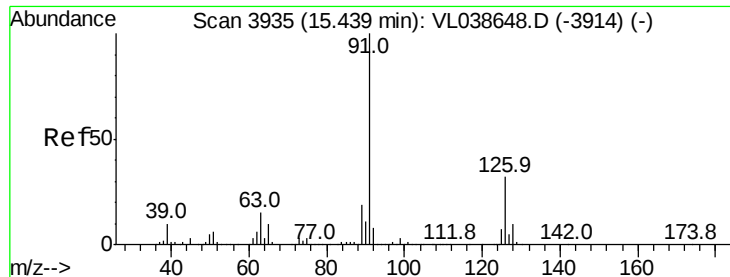
Reviewed By : Semsettin Yesilyurt 03/26/2022  
 Supervised By : Mahesh Dadoda 03/28/2022



#70  
 n-Butylbenzene  
 Concen: 9.40 ppbv  
 RT: 18.58 min Scan# 4911  
 Delta R.T.: 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion: 91 Resp: 3148449  
 Ion Ratio Lower Upper  
 91 100  
 92 54.7 43.9 65.9  
 134 23.3 18.7 28.1





#71

2-Chlorotoluene

Concen: 9.24 ppbv

RT: 15.48

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Mar 2022 14:19

Tgt Ion:

Ion Ratio

91 100

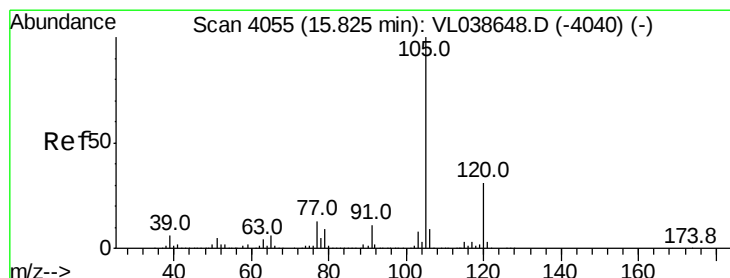
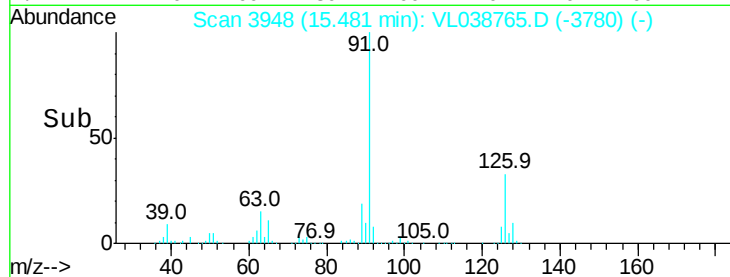
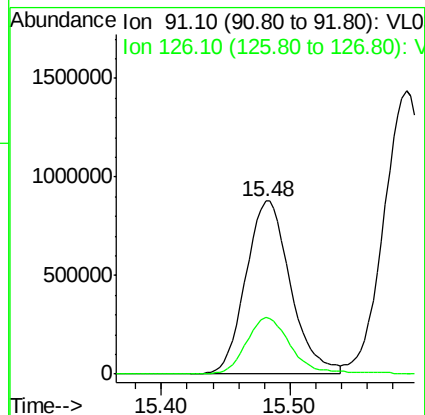
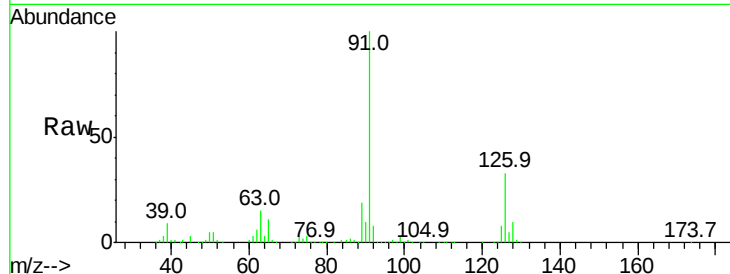
126 33.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#72

4-Ethyltoluene

Concen: 9.39 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.04 min

Lab File: VL038765.D

Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 2284927

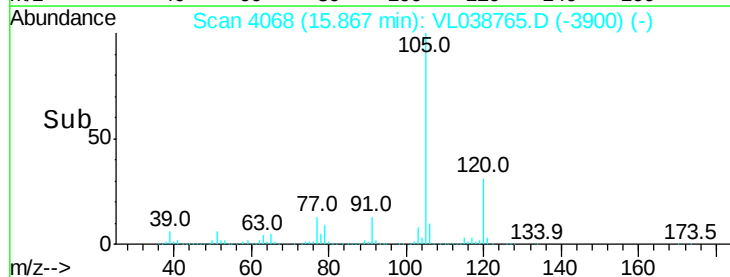
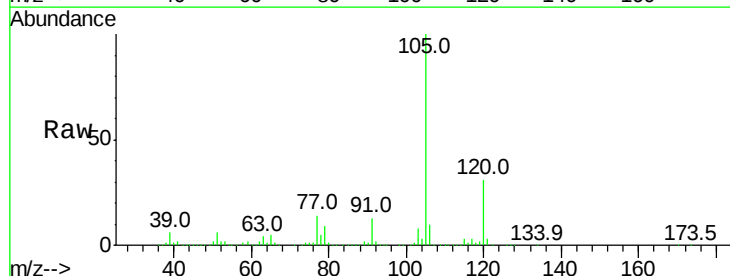
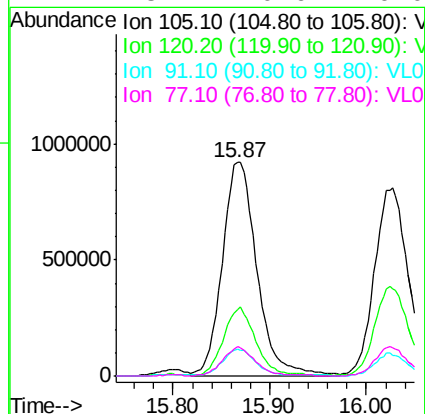
Ion Ratio Lower Upper

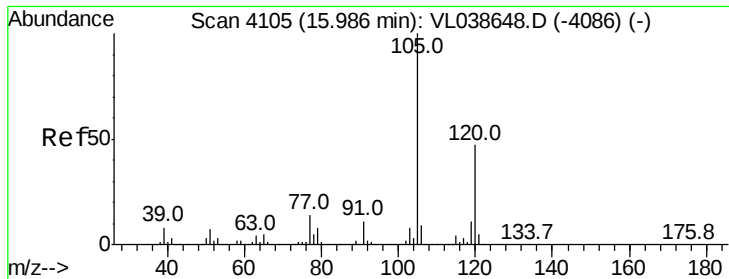
105 100

120 30.5 24.9 37.3

91 11.9 9.8 14.6

77 13.1 10.6 16.0

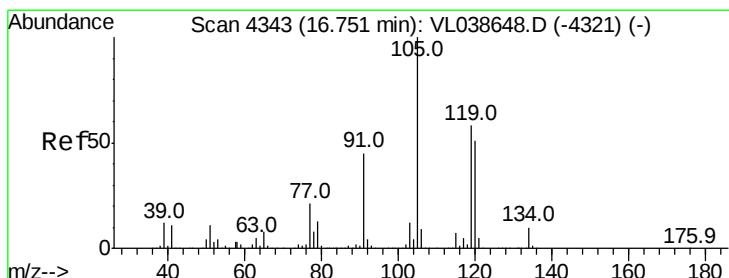
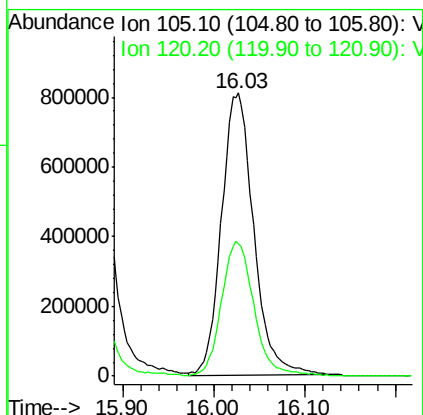
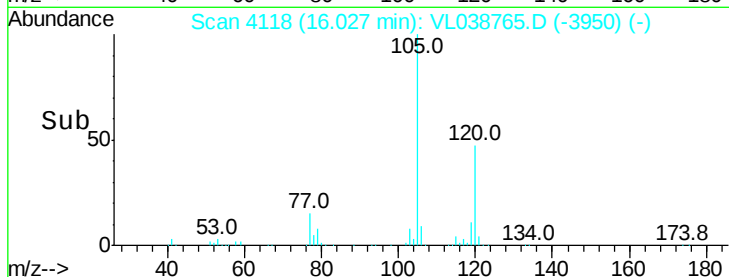
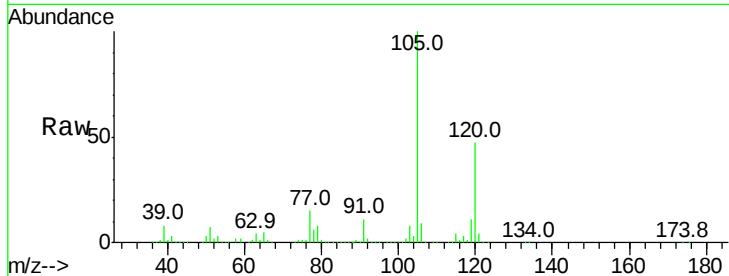




#73  
 1,3,5-Trimethylbenzene  
 Concen: 9.01 ppbv  
 RT: 16.03 min  
 Delta R.T. 0.04 min  
 Lab File: VL038648.D  
 Acq: 25 Mar 2022 14:19

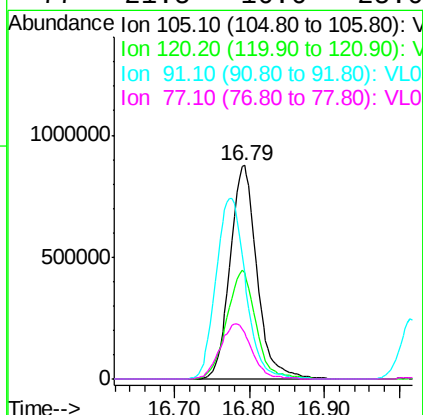
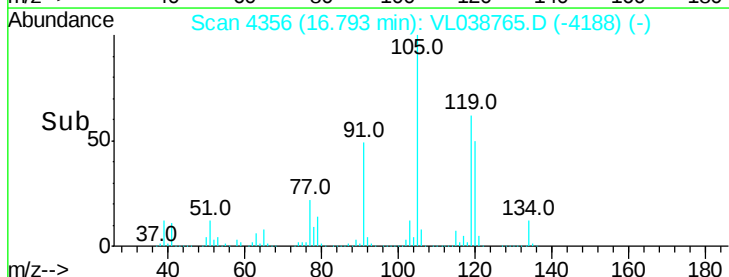
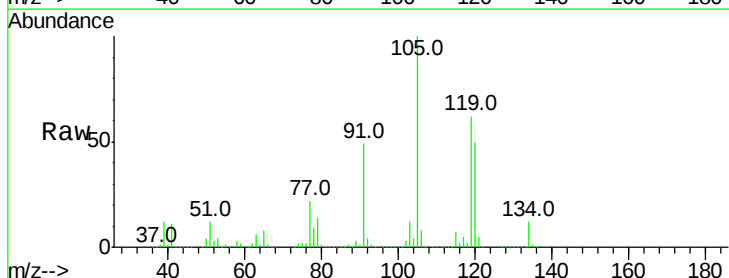
Manual Integrations  
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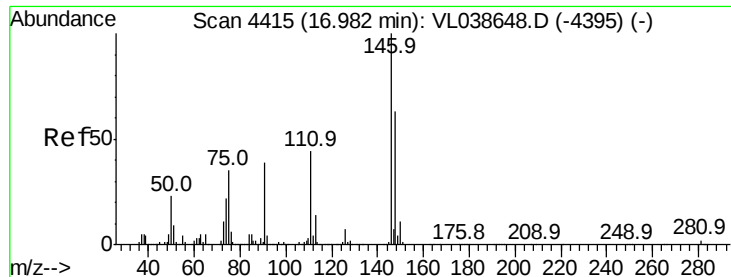
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#74  
 1,2,4-Trimethylbenzene  
 Concen: 9.03 ppbv  
 RT: 16.79 min Scan# 4356  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion:105 Resp: 2180814  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 40.5 60.7  
 91 49.3 35.9 53.9  
 77 21.5 16.6 25.0



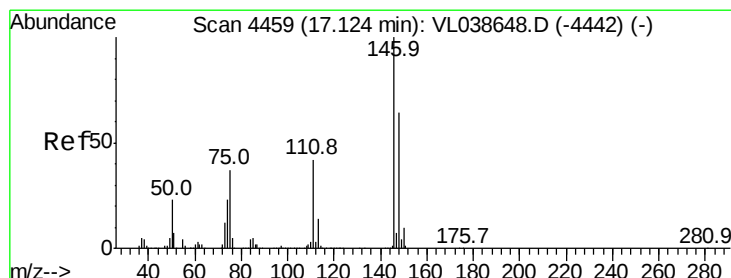
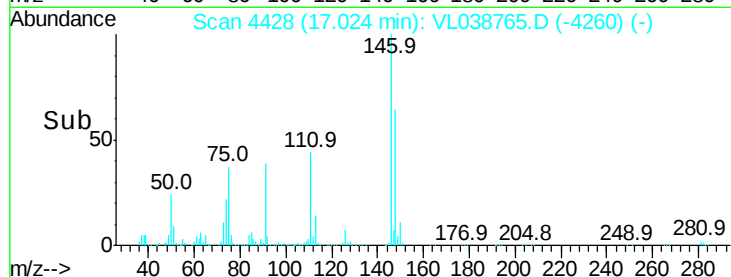
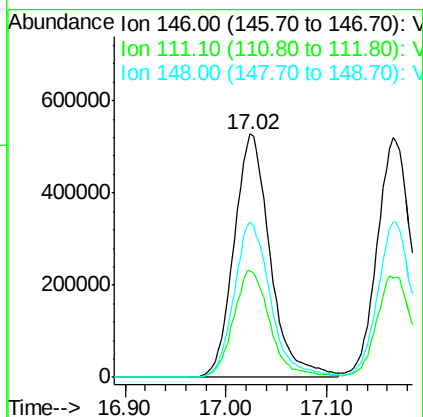
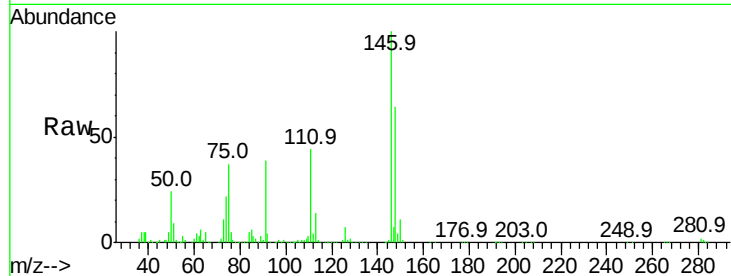


#75  
1,3-Dichlorobenzene  
Concen: 8.54 ppbv  
RT: 17.02 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Mar 2022 14:19 VSTDCCC010EC

Tgt Ion:1  
Ion Rati  
146 100  
111 44.  
148 64.

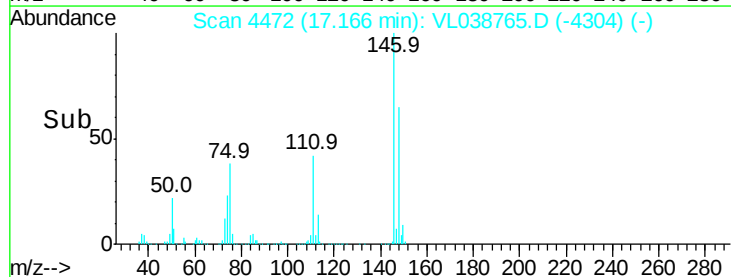
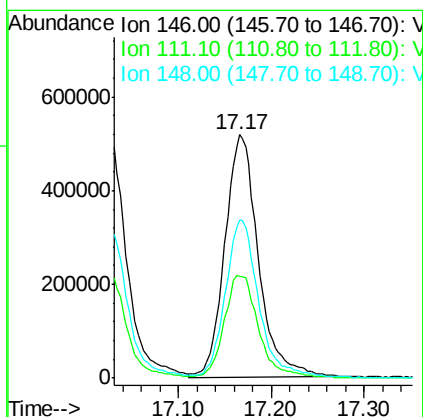
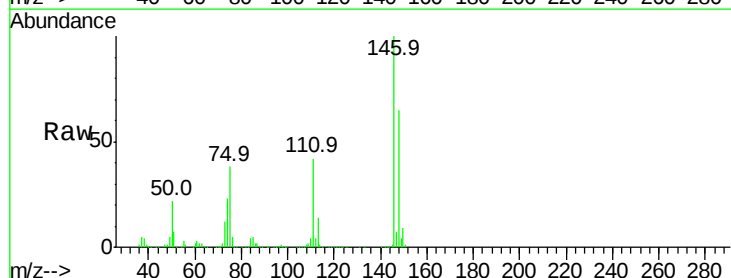
Manual Integrations  
APPROVED

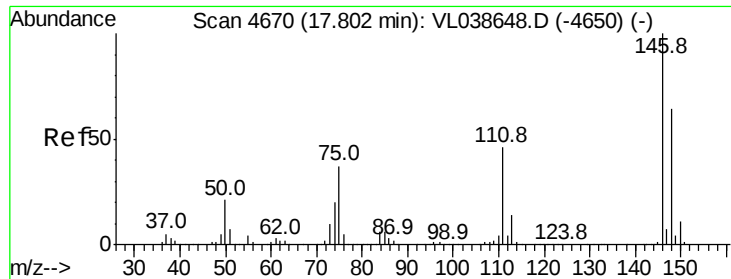
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#76  
1,4-Dichlorobenzene  
Concen: 8.43 ppbv  
RT: 17.17 min Scan# 4472  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion:146 Resp: 1289474  
Ion Ratio Lower Upper  
146 100  
111 43.8 21.4 64.2  
148 65.7 32.1 96.3



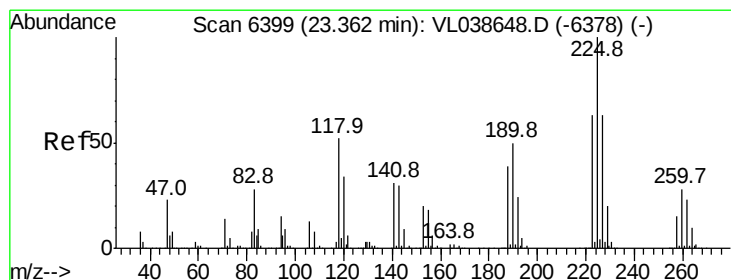
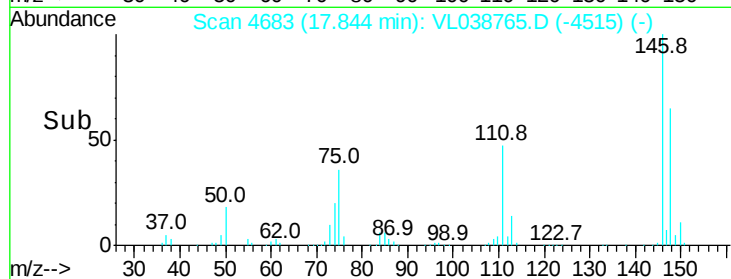
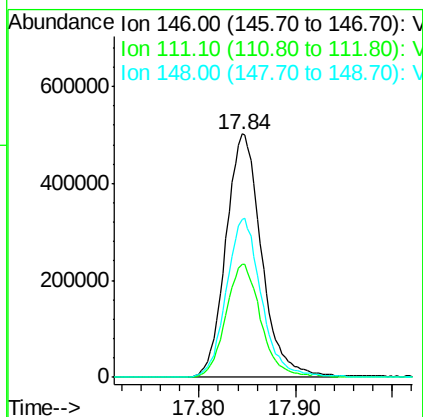
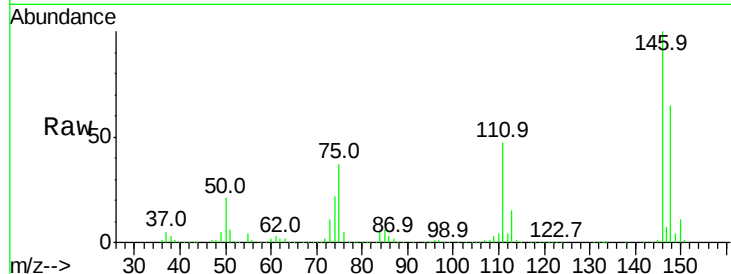


#77  
 1,2-Dichlorobenzene  
 Concen: 8.35 ppbv  
 RT: 17.84 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010EC  
 Acq: 25 Mar 2022 14:19

Tgt Ion:1  
 Ion Rati  
 146 100  
 111 46.  
 148 64.

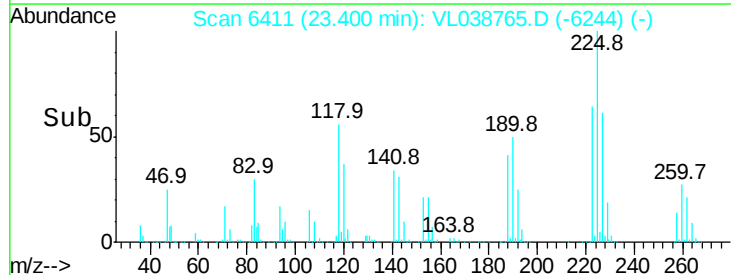
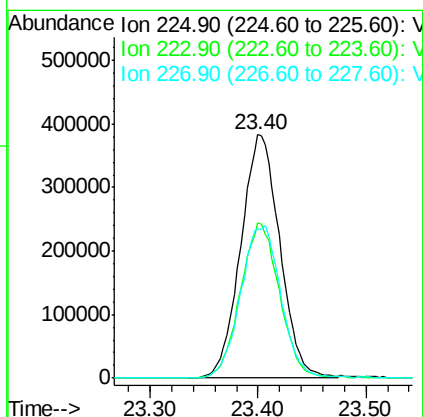
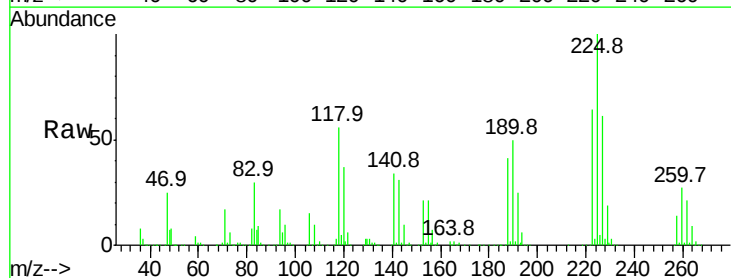
Manual Integrations  
 APPROVED

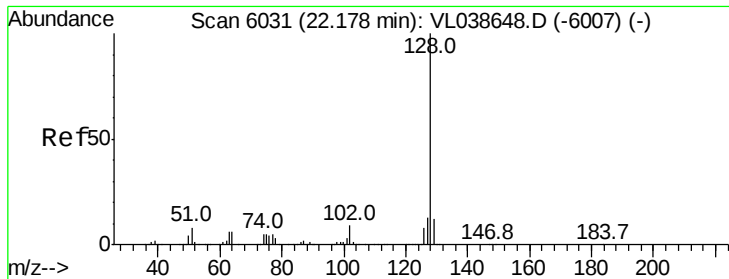
Reviewed By :Semsettin Yesilyurt 03/26/2022  
 Supervised By :Mahesh Dadoda 03/28/2022



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 6.86 ppbv  
 RT: 23.40 min Scan# 6411  
 Delta R.T. 0.04 min  
 Lab File: VL038765.D  
 Acq: 25 Mar 2022 14:19

Tgt Ion:225 Resp: 965449  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 51.0 76.6  
 227 65.0 51.5 77.3



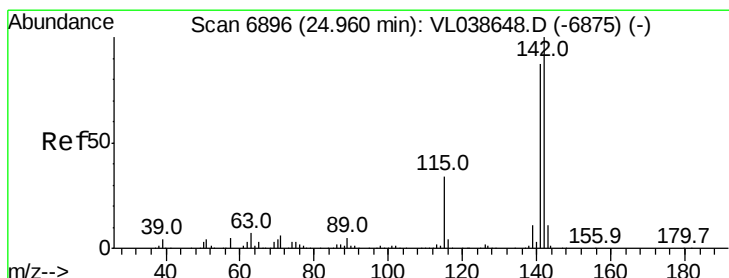
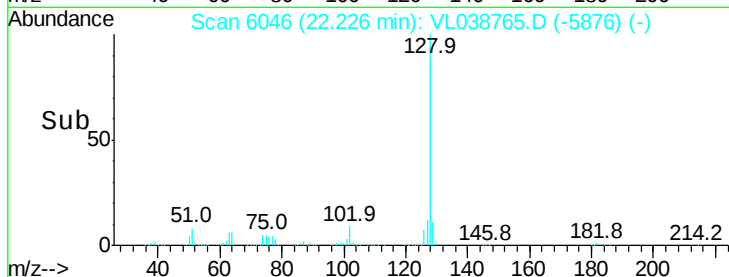
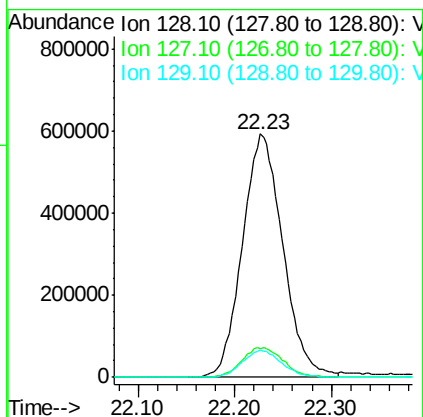
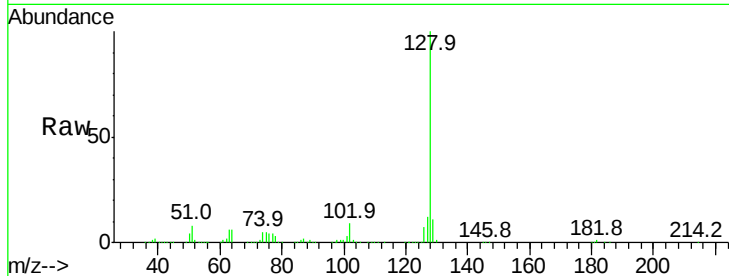


#79  
Naphthalene  
Concen: 9.34 ppbv  
RT: 22.23 min  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Mar 2022 14:19

Tgt Ion:1  
Ion Ratio  
128 100  
127 12.  
129 11.

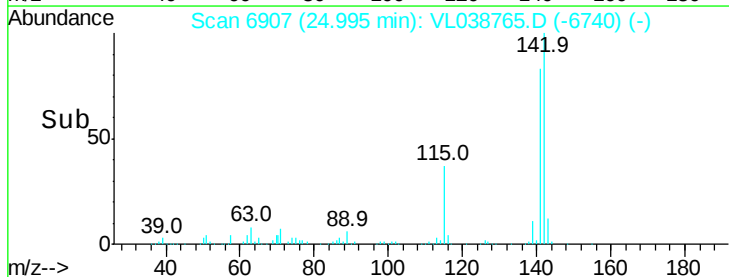
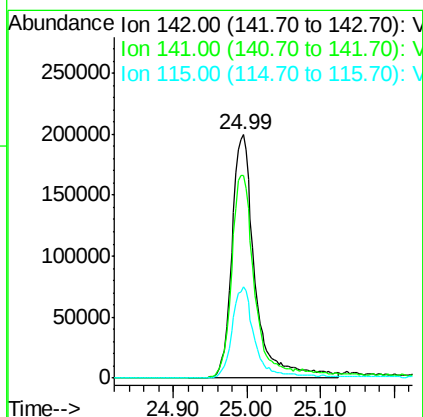
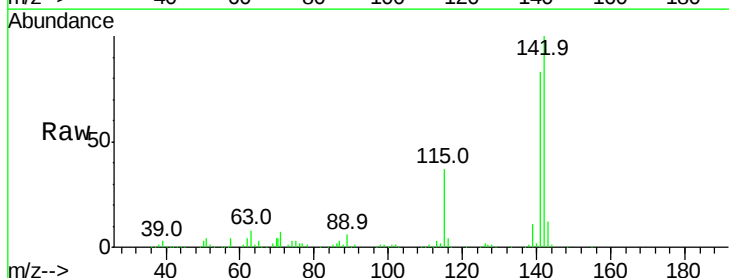
Manual Integrations  
APPROVED

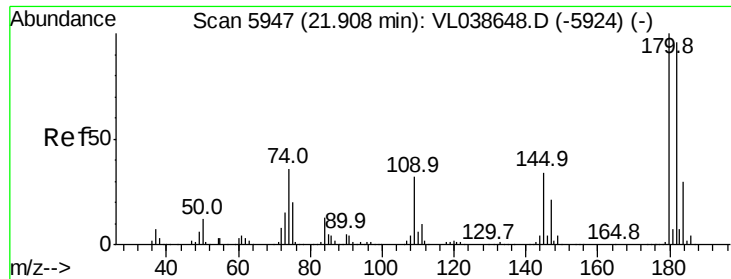
Reviewed By :Semsettin Yesilyurt 03/26/2022  
Supervised By :Mahesh Dadoda 03/28/2022



#80  
Naphthalene, 2-methyl-  
Concen: 8.82 ppbv  
RT: 24.99 min Scan# 6907  
Delta R.T. 0.04 min  
Lab File: VL038765.D  
Acq: 25 Mar 2022 14:19

Tgt Ion:142 Resp: 436008  
Ion Ratio Lower Upper  
142 100  
141 85.5 66.4 99.6  
115 38.1 27.8 41.6





#81

1,2,4-Trichlorobenzene

Concen: 7.81 ppbv

RT: 21.95

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

VSTDCCC010EC

Acq: 25 Mar 2022 14.19

Tgt Ion:1

Ion Rati

180 100

182 99.

184 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022

