

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102521\  
 Data File : VL037889.D  
 Acq On : 25 Oct 2021 10:37  
 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: Oct 27 12:00:37 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A

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

QLast Update : Mon Oct 04 17:43:54 2021

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 10/27/2021  
 Supervised By : Mahesh Dadoda 10/27/2021

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1540639  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 4616283  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3963563m | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2859644  | 10.32    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.20% |

#### Target Compounds

|                                |      |     |          |        | Ovalue     |
|--------------------------------|------|-----|----------|--------|------------|
| 2) Dichlorodifluoromethane     | 3.05 | 85  | 1737564m | 7.061  | ppbv       |
| 3) Chlorodifluoromethane       | 3.00 | 51  | 2641194  | 8.922  | ppbv 99    |
| 4) Chloromethane               | 3.15 | 50  | 1023830  | 9.443  | ppbv 100   |
| 5) Vinyl Chloride              | 3.26 | 62  | 1014727  | 10.209 | ppbv 95    |
| 6) Bromomethane                | 3.48 | 94  | 490858   | 9.130  | ppbv 95    |
| 7) Chloroethane                | 3.56 | 64  | 354094   | 9.689  | ppbv 99    |
| 8) Dichlorotetrafluoroethane   | 3.20 | 85  | 2272456  | 9.343  | ppbv 98    |
| 9) Propene                     | 3.01 | 41  | 969480   | 8.901  | ppbv 99    |
| 10) Heptane                    | 8.13 | 43  | 2441640  | 9.870  | ppbv 100   |
| 11) Trichlorofluoromethane     | 3.96 | 101 | 2075676  | 9.454  | ppbv 98    |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49 | 101 | 1570407  | 9.440  | ppbv 100   |
| 13) Ethanol                    | 3.61 | 45  | 99090m   | 11.124 | ppbv       |
| 14) Bromoethene                | 3.74 | 108 | 711264   | 9.724  | ppbv 96    |
| 15) Acetone                    | 3.85 | 43  | 1492751  | 10.793 | ppbv 100   |
| 16) 1,3-Butadiene              | 3.33 | 39  | 934167   | 9.283  | ppbv 96    |
| 17) tert-Butyl alcohol         | 4.29 | 59  | 1455439  | 10.218 | ppbv 99    |
| 18) 1,1-Dichloroethene         | 4.30 | 96  | 702467   | 9.292  | ppbv 99    |
| 19) Isopropyl Alcohol          | 3.97 | 45  | 868841   | 10.098 | ppbv # 95  |
| 20) Methylene Chloride         | 4.35 | 84  | 599332   | 8.577  | ppbv 99    |
| 21) Allyl Chloride             | 4.42 | 41  | 1140155  | 9.306  | ppbv 98    |
| 22) trans-1,2-Dichloroethene   | 4.89 | 96  | 735459   | 9.676  | ppbv 99    |
| 23) Vinyl Acetate              | 5.08 | 43  | 2054121  | 9.911  | ppbv 99    |
| 24) 1,1-Dichloroethane         | 5.01 | 63  | 1438419  | 9.534  | ppbv 98    |
| 25) Ethyl Acetate              | 5.68 | 43  | 3773411  | 9.723  | ppbv 99    |
| 26) Hexane                     | 5.69 | 57  | 1757418  | 9.196  | ppbv 97    |
| 27) Carbon Disulfide           | 4.56 | 76  | 1845047  | 10.894 | ppbv 98    |
| 28) Methyl tert-Butyl Ether    | 5.04 | 73  | 1491756  | 9.376  | ppbv 100   |
| 29) Chloroform                 | 5.75 | 83  | 2536877  | 9.287  | ppbv 97    |
| 30) Cyclohexane                | 7.13 | 84  | 1499088  | 9.251  | ppbv 98    |
| 31) cis-1,2-Dichloroethene     | 5.56 | 61  | 1638941  | 9.447  | ppbv 99    |
| 32) 1,1,1-Trichloroethane      | 6.52 | 97  | 2439156  | 9.418  | ppbv 99    |
| 34) 2-Butanone                 | 5.25 | 43  | 1703550  | 9.141  | ppbv 99    |
| 35) Carbon Tetrachloride       | 7.02 | 117 | 2507206  | 9.563  | ppbv 99    |
| 36) Benzene                    | 6.90 | 78  | 3685653  | 9.348  | ppbv 99    |
| 37) 1,2-Dichloroethane         | 6.31 | 62  | 1745597  | 9.402  | ppbv 99    |
| 38) Trichloroethene            | 7.84 | 130 | 1486881  | 9.545  | ppbv 96    |
| 39) 1,2-Dichloropropane        | 7.62 | 63  | 1436218  | 9.684  | ppbv 96    |
| 40) 1,4-Dioxane                | 7.84 | 88  | 264116   | 7.117  | ppbv # 100 |
| 41) Tetrahydrofuran            | 6.06 | 42  | 830643   | 9.102  | ppbv 97    |
| 42) Bromodichloromethane       | 7.80 | 83  | 2657531  | 9.745  | ppbv 97    |
| 43) Methyl Methacrylate        | 8.02 | 69  | 1325568  | 10.293 | ppbv 98    |

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 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/27/2021  
 Supervised By : Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 12:00:37 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Oct 04 17:43:54 2021  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.87  | 57   | 6136407  | 9.263  | ppbv   | 99       |
| 45) t-1,3-Dichloropropene     | 9.28  | 75   | 906627   | 10.231 | ppbv   | 100      |
| 46) cis-1,3-Dichloropropene   | 8.71  | 75   | 1261456  | 10.270 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 9.48  | 97   | 1511639  | 9.376  | ppbv   | 98       |
| 48) Dibromochloromethane      | 10.31 | 129  | 2387757  | 10.389 | ppbv   | 99       |
| 49) Bromoform                 | 13.04 | 173  | 1922690  | 10.933 | ppbv   | 97       |
| 50) 4-Methyl-2-Pentanone      | 8.75  | 43   | 2434197  | 10.034 | ppbv   | 100      |
| 51) 2-Hexanone                | 10.14 | 43   | 1154662  | 10.661 | ppbv # | 98       |
| 52) Tetrachloroethene         | 11.23 | 164  | 1356045  | 8.840  | ppbv   | 98       |
| 53) Toluene                   | 9.81  | 91   | 4278939  | 9.792  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.61 | 107  | 2086927  | 9.583  | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 12.13 | 131  | 1619533  | 9.870  | ppbv   | 98       |
| 57) Chlorobenzene             | 12.15 | 112  | 3160142  | 9.719  | ppbv   | 97       |
| 58) Ethyl Benzene             | 12.71 | 91   | 5490042  | 10.315 | ppbv   | 98       |
| 59) m/p-Xylene                | 13.00 | 91   | 9255777m | 20.260 | ppbv   |          |
| 60) o-Xylene                  | 13.69 | 91   | 4322591  | 9.873  | ppbv   | 99       |
| 61) Styrene                   | 13.53 | 104  | 2385630  | 11.265 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.67 | 105  | 5950103  | 9.743  | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.68 | 83   | 3160816  | 9.355  | ppbv   | 99       |
| 64) n-propylbenzene           | 15.56 | 120  | 1612946  | 10.591 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.74 | 119  | 5345205  | 9.946  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.99 | 91   | 288356   | 10.872 | ppbv # | 99       |
| 67) sec-Butylbenzene          | 17.29 | 105  | 7499168  | 10.203 | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.65 | 119  | 6310638  | 10.620 | ppbv   | 100      |
| 70) n-Butylbenzene            | 18.55 | 91   | 6389396  | 11.319 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 15.45 | 91   | 4381979  | 10.161 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.84 | 105  | 5234115  | 10.528 | ppbv   | 98       |
| 73) 1,3,5-Trimethylbenzene    | 16.00 | 105  | 4722284  | 10.457 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.76 | 105  | 4960143  | 10.460 | ppbv   | 93       |
| 75) 1,3-Dichlorobenzene       | 17.00 | 146  | 3051980  | 10.388 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 17.14 | 146  | 2991128  | 10.673 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.82 | 146  | 2958729  | 10.484 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 23.37 | 225  | 2210326  | 9.592  | ppbv   | 99       |
| 79) Naphthalene               | 22.19 | 128  | 3737924  | 12.871 | ppbv   | 97       |
| 80) Naphthalene, 2-methyl-    | 24.97 | 142  | 967726   | 12.410 | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 21.92 | 180  | 2248436  | 12.105 | ppbv   | 100      |

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

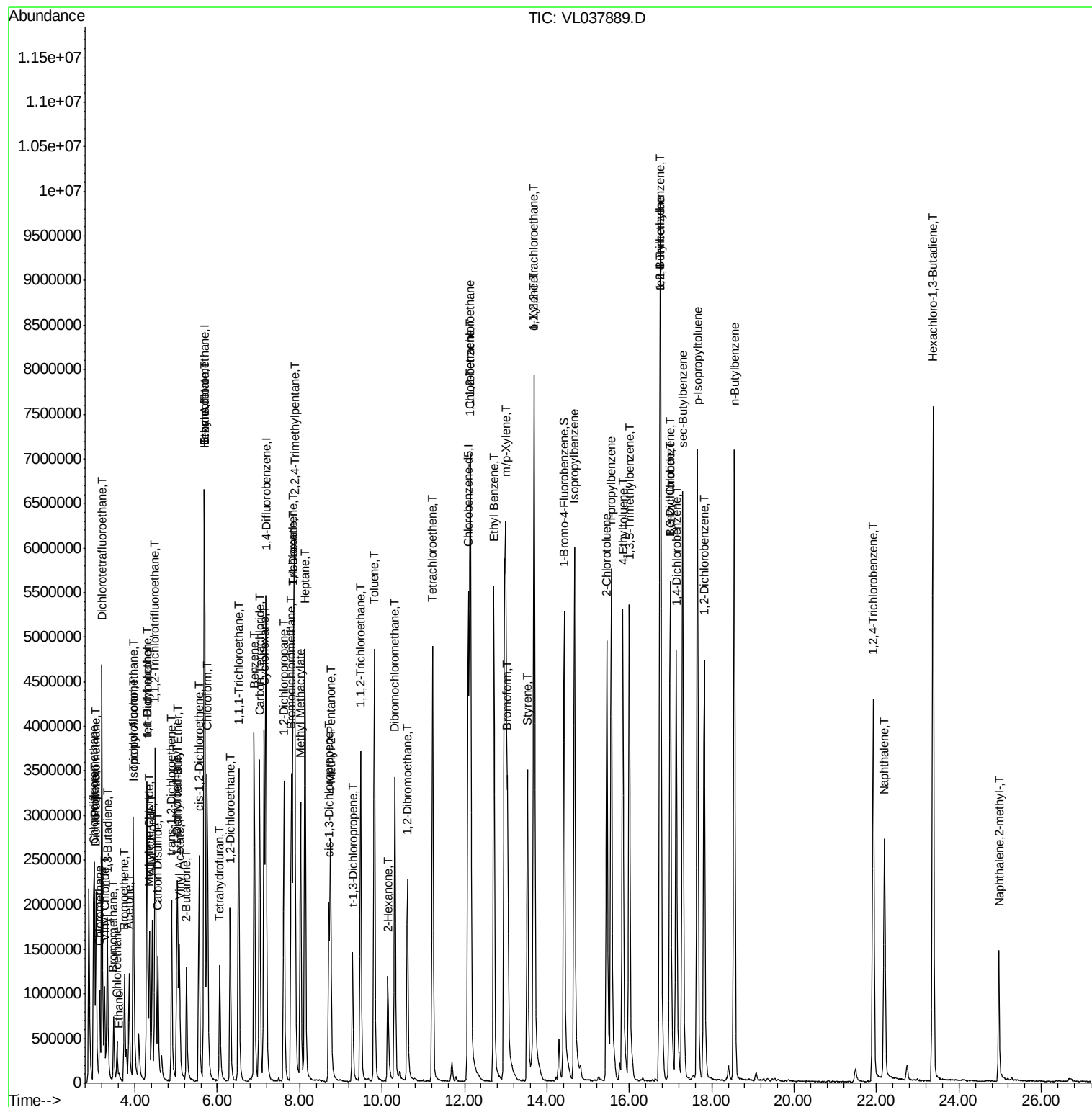
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102521\  
Data File : VL037889.D  
Acq On : 25 Oct 2021 10:37  
Operator : SY/AP  
Sample : VSTDCCC010  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

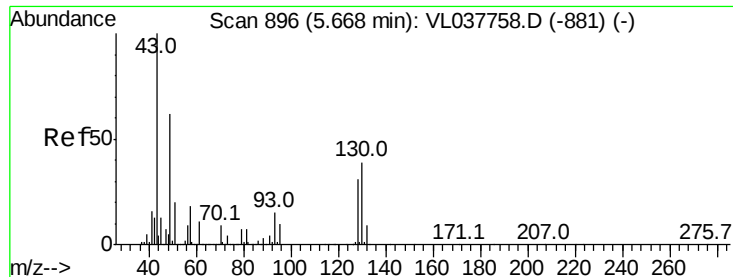
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Manual Integrations  
APPROVED

Quant Time: Oct 27 12:00:37 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
QLast Update : Mon Oct 04 17:43:54 2021  
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

49 100

128 55.

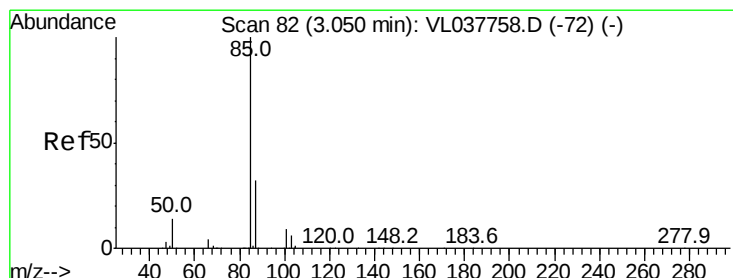
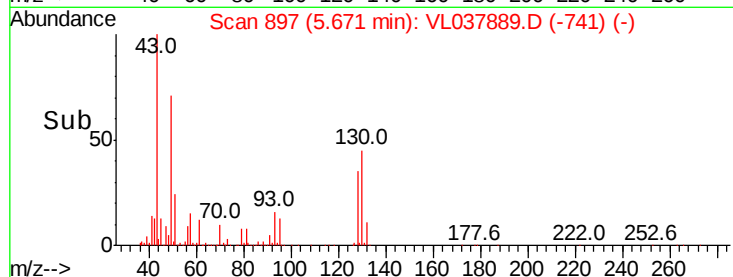
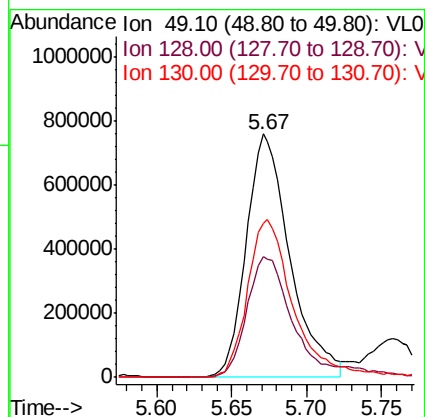
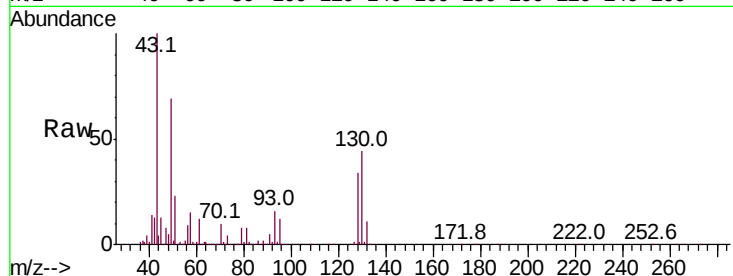
130 68.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 7.061 ppbv m

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037889.D

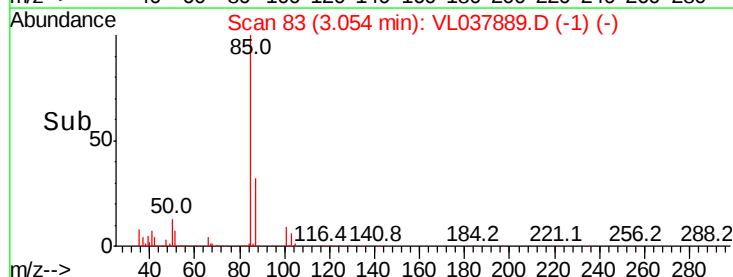
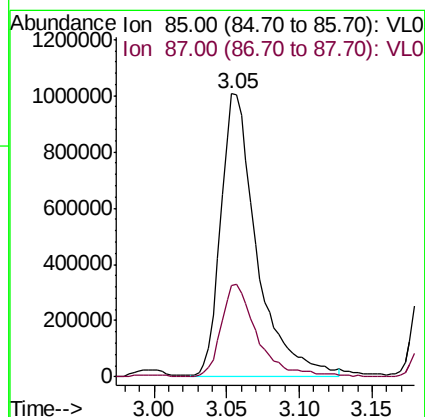
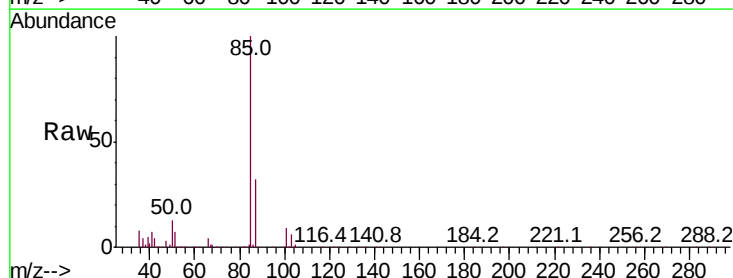
Acq: 25 Oct 2021 10:37

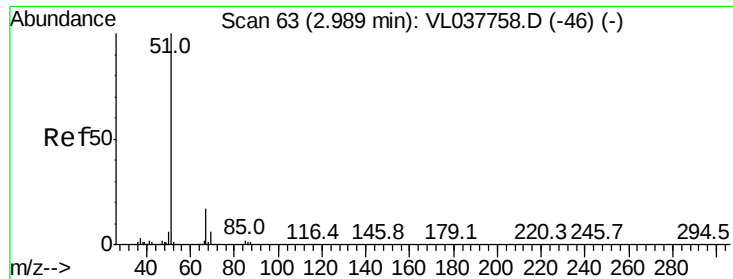
Tgt Ion: 85 Resp: 1737564

Ion Ratio Lower Upper

85 100

87 32.2 25.7 38.5





#3

Chlorodifluoromethane

Concen: 8.922 ppbv

RT: 3.00 Instrument :

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

51 100

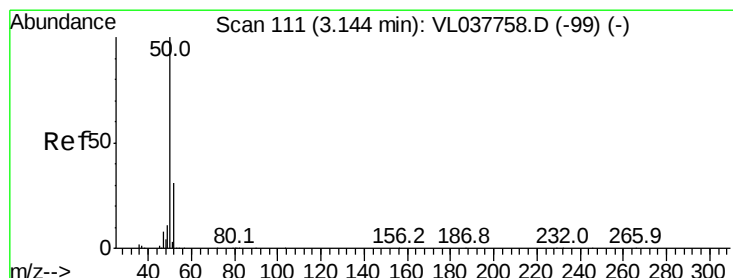
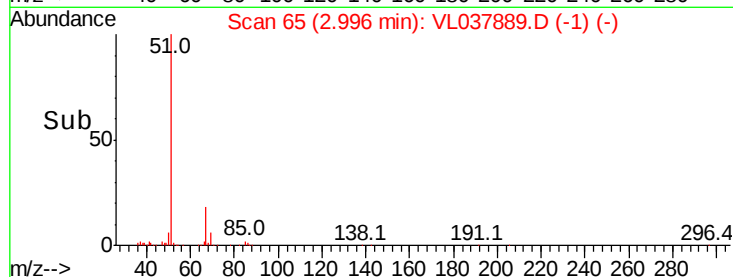
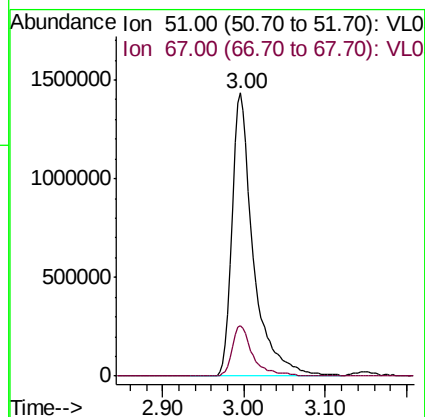
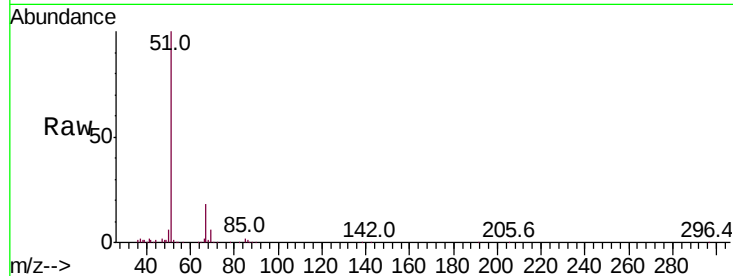
67 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 9.443 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037889.D

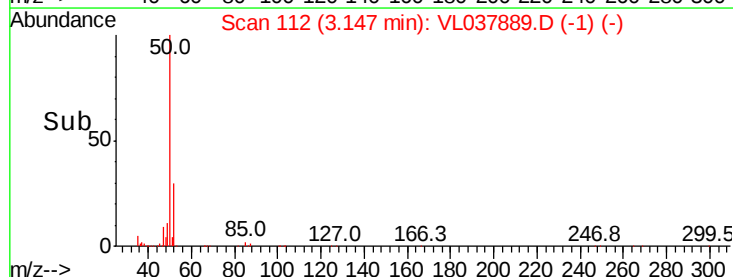
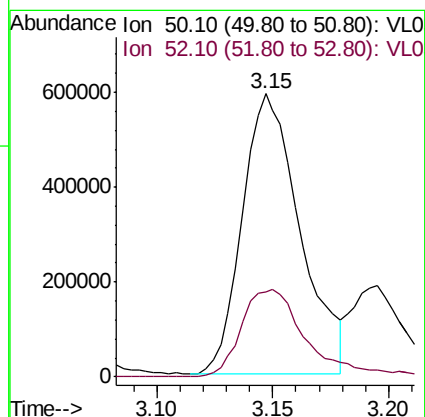
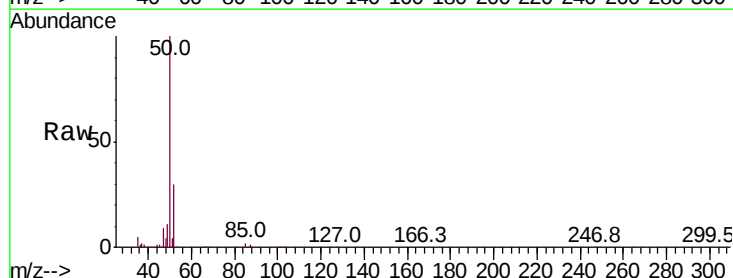
Acq: 25 Oct 2021 10:37

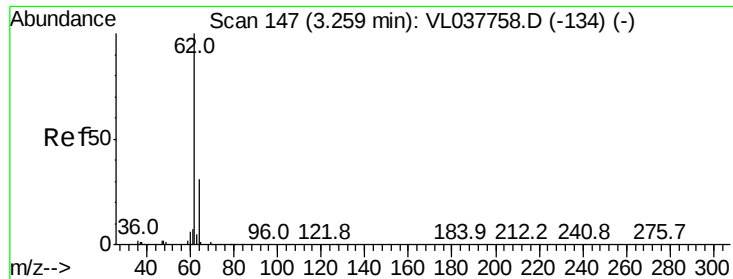
Tgt Ion: 50 Resp: 1023830

Ion Ratio Lower Upper

50 100

52 30.5 24.4 36.6





#5

Vinyl Chloride

Concen: 10.209 ppbv

RT: 3.26 Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

62 100

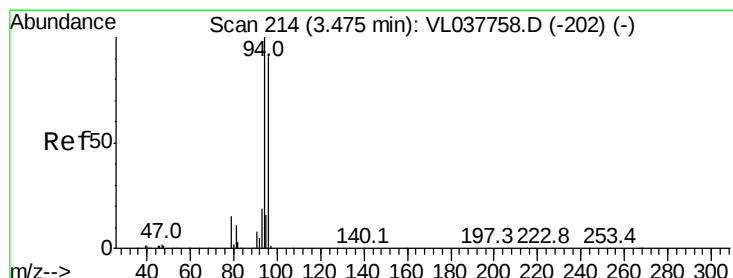
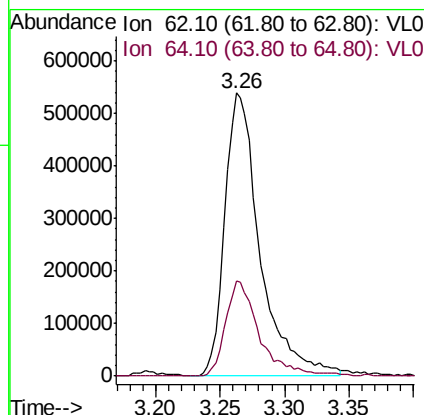
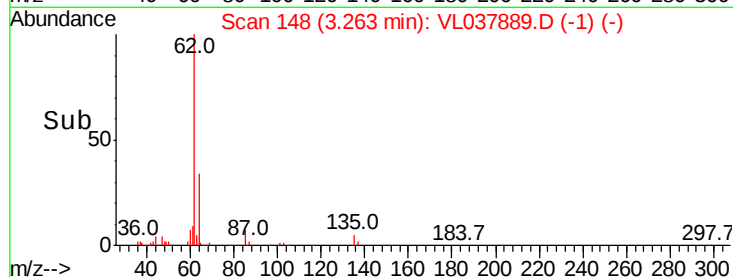
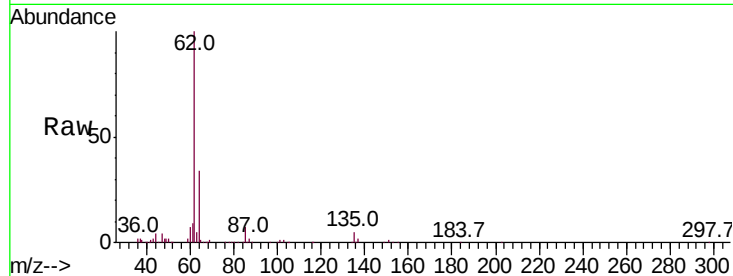
64 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 9.130 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL037889.D

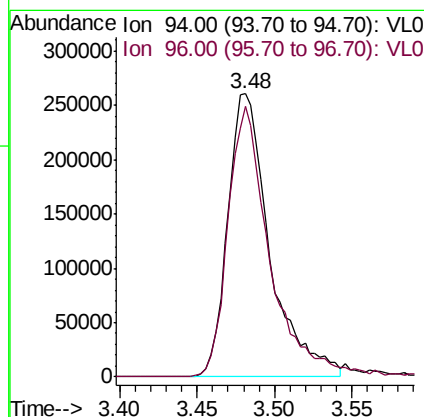
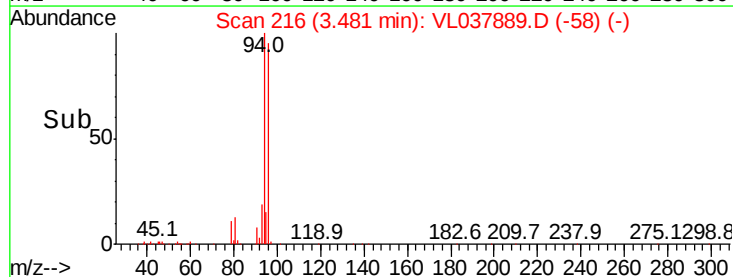
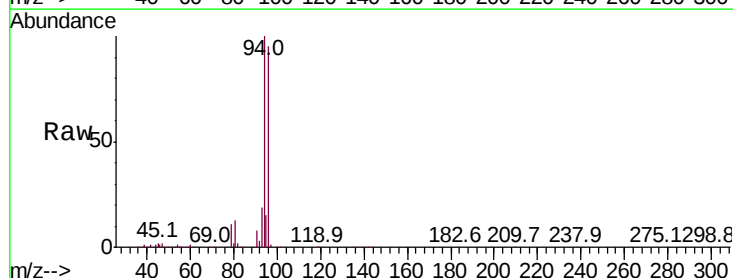
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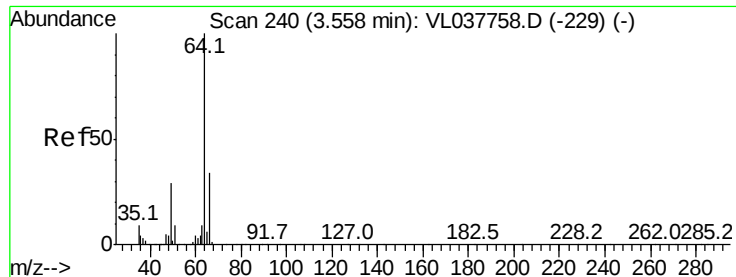
Tgt Ion: 94 Resp: 490858

Ion Ratio Lower Upper

94 100

96 95.2 72.5 108.7





#7

Chloroethane

Concen: 9.689 ppbv

RT: 3.56 Instrument :

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

64 100

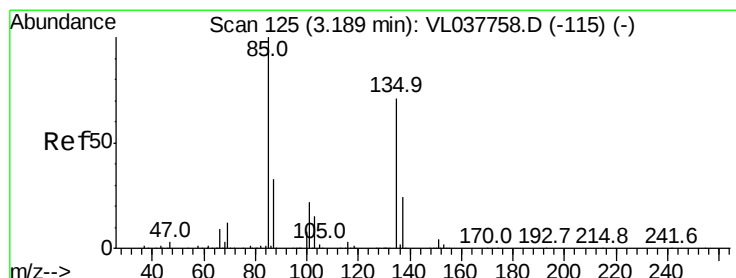
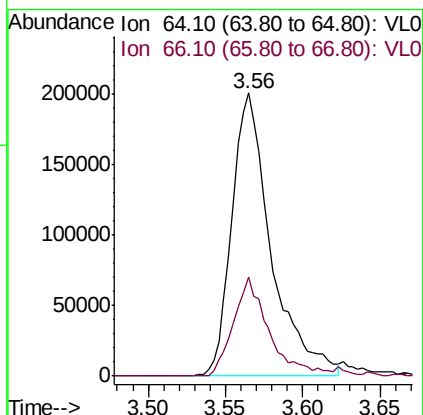
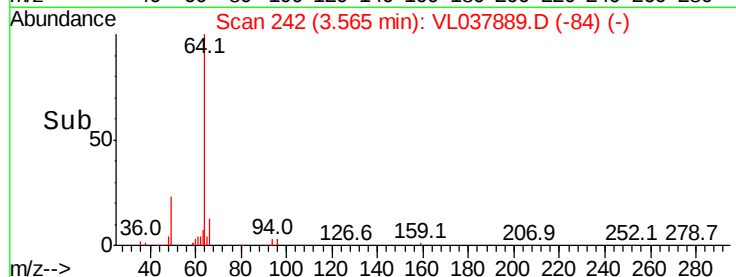
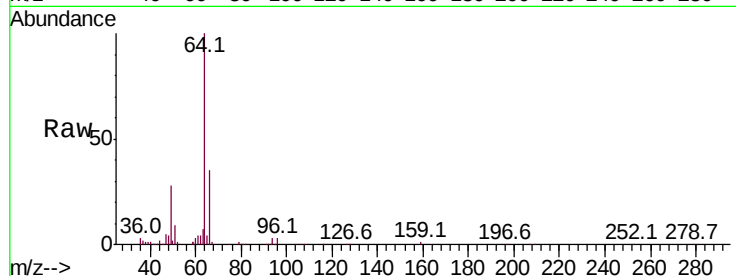
66 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 9.343 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL037889.D

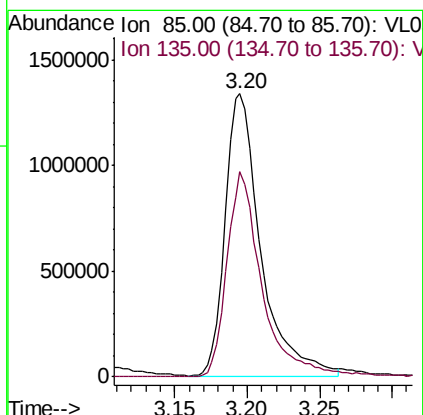
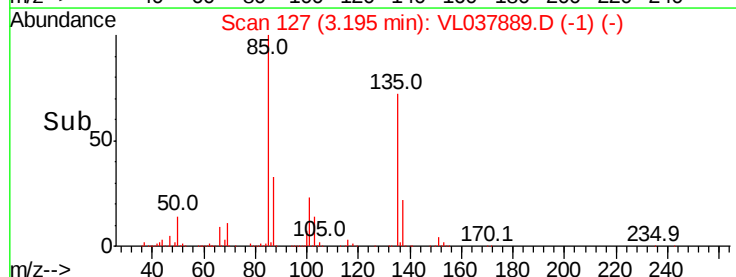
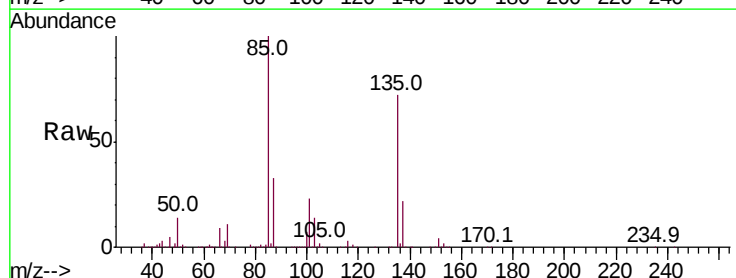
Acq: 25 Oct 2021 10:37

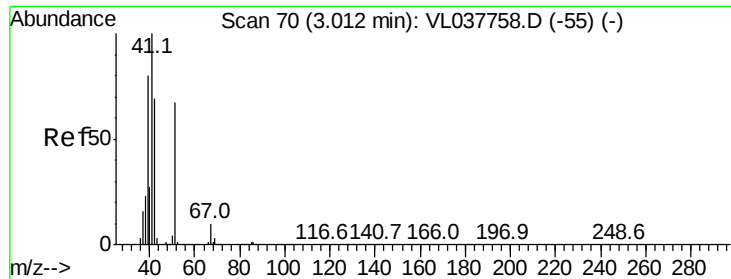
Tgt Ion: 85 Resp: 2272456

Ion Ratio Lower Upper

85 100

135 72.9 59.5 89.3



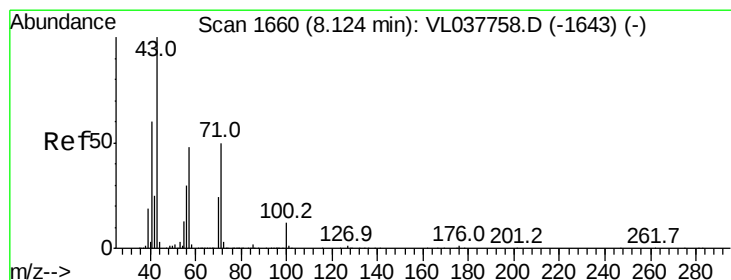
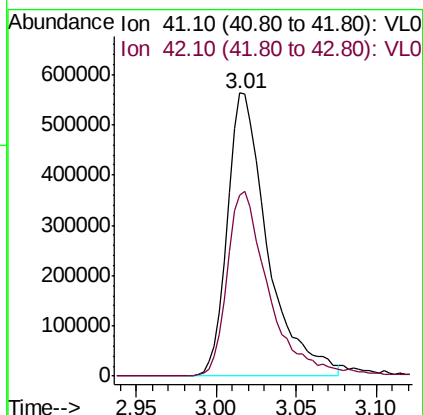
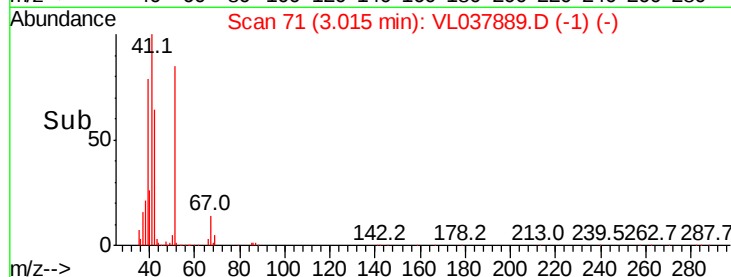
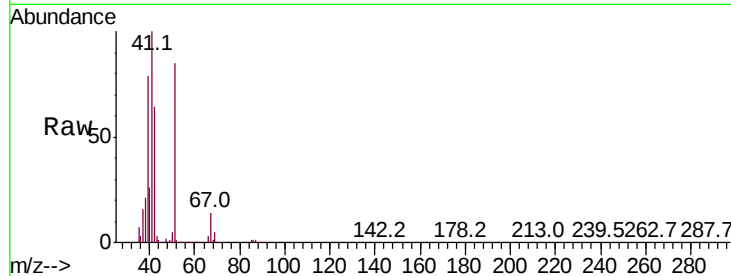


#9  
 Propene  
 Concen: 8.901 ppbv  
 RT: 3.01  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:  
 Ion Ratio  
 41 100  
 42 68.

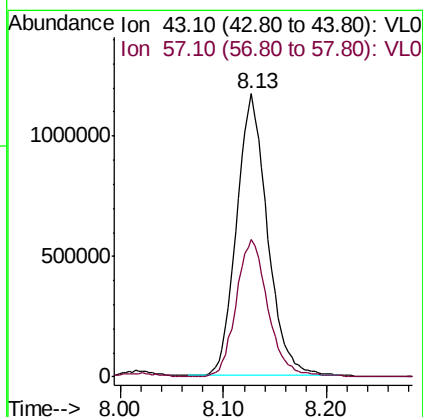
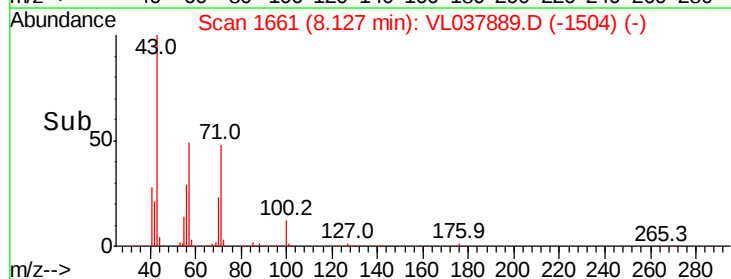
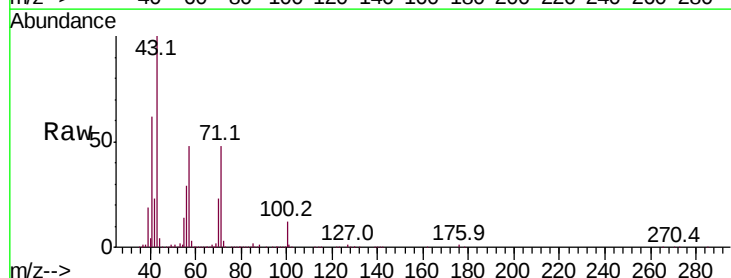
Manual Integrations  
 APPROVED

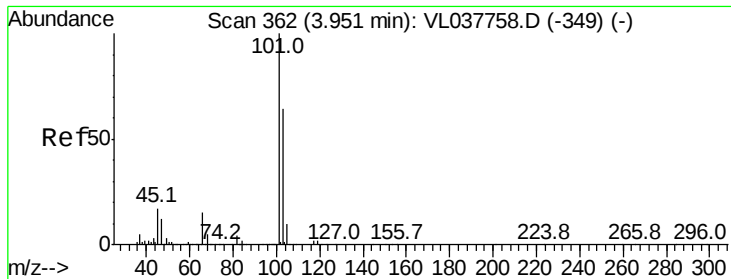
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#10  
 Heptane  
 Concen: 9.870 ppbv  
 RT: 8.13 min Scan# 1661  
 Delta R.T. 0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion: 43 Resp: 2441640  
 Ion Ratio Lower Upper  
 43 100  
 57 50.3 40.0 60.0



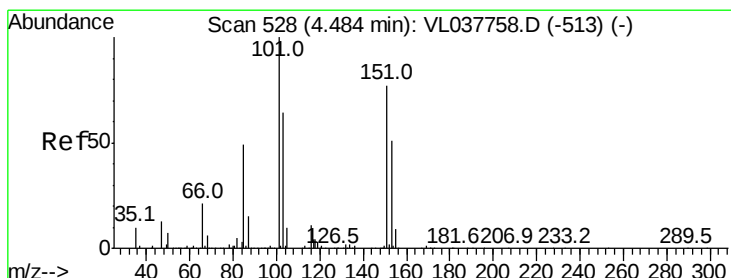
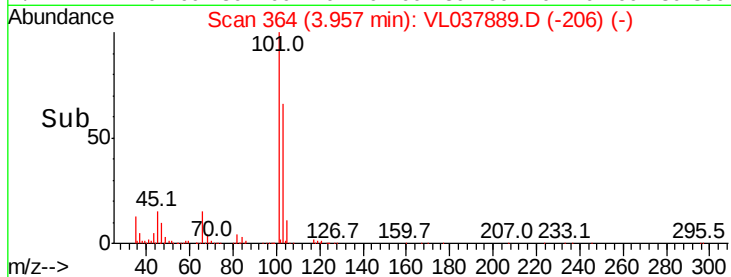
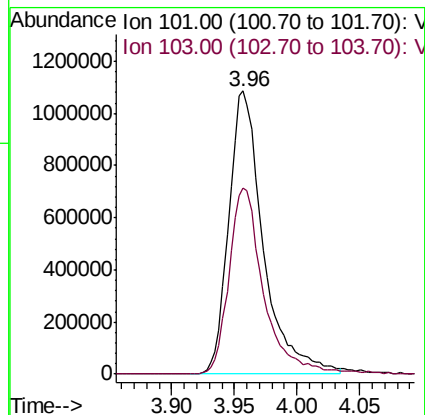
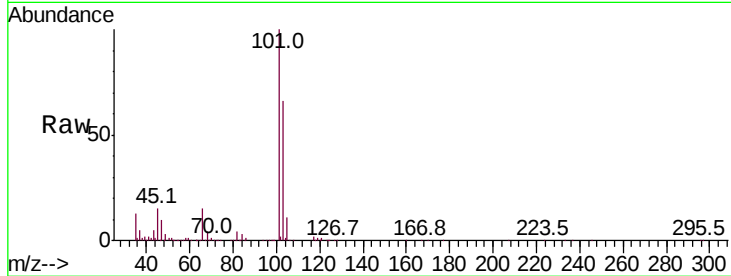


#11  
 Trichlorofluoromethane  
 Concen: 9.454 ppbv  
 RT: 3.96  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:1  
 Ion Rati  
 101 100  
 103 65.

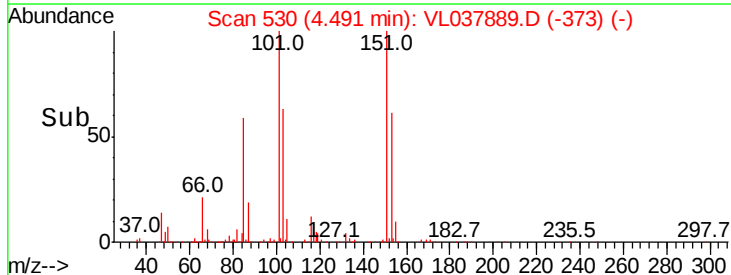
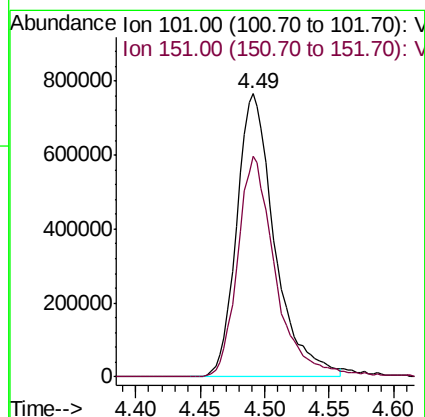
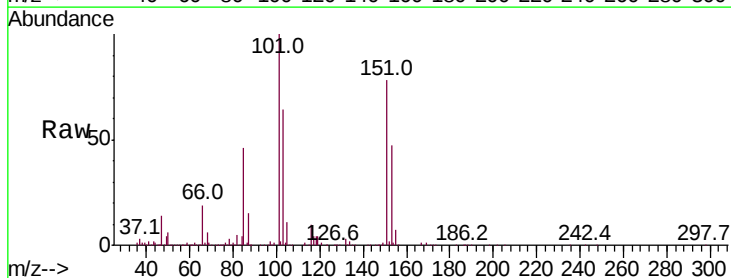
Manual Integrations  
 APPROVED

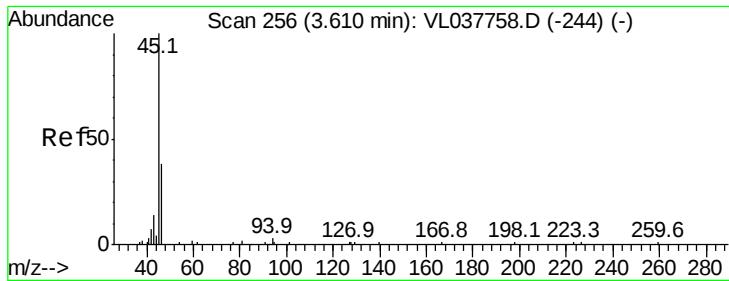
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.440 ppbv  
 RT: 4.49 min Scan# 530  
 Delta R.T. 0.01 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion:101 Resp: 1570407  
 Ion Ratio Lower Upper  
 101 100  
 151 78.3 62.9 94.3



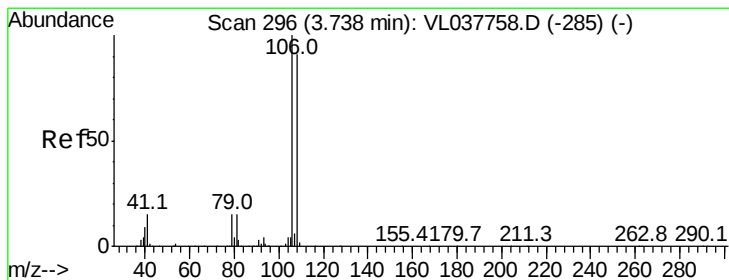
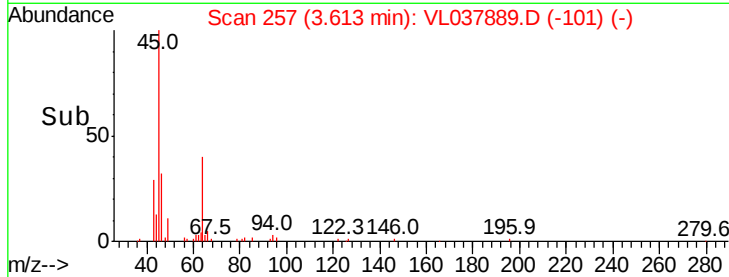
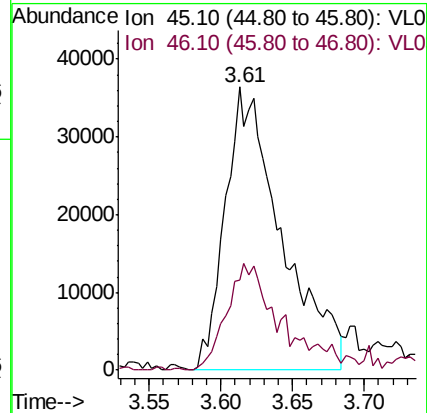
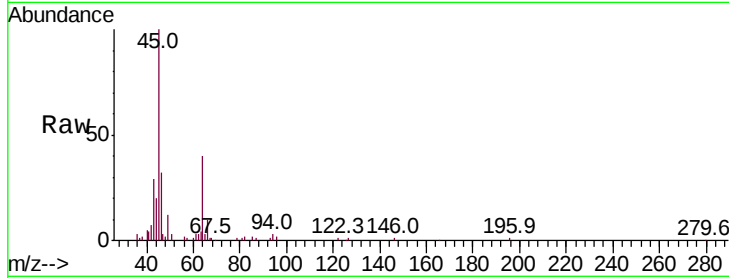


#13  
Ethanol  
Concen: 11.124 ppbv m  
RT: 3.61  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 10:37

Tot Ion:  
Ion Ratio  
45 100  
46 43.

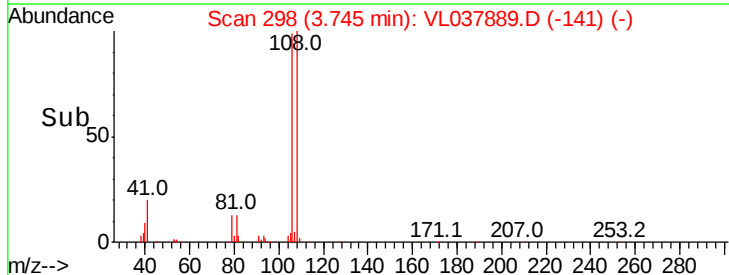
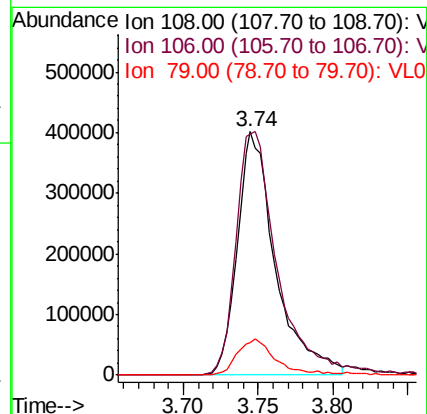
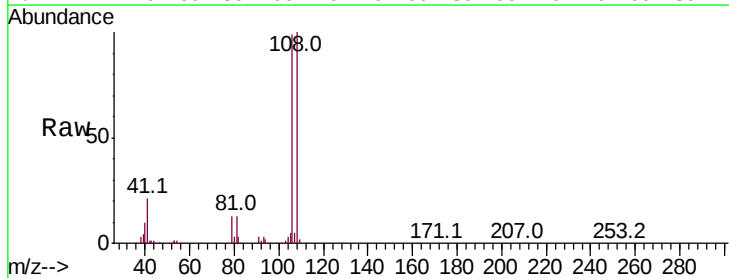
Manual Integrations  
APPROVED

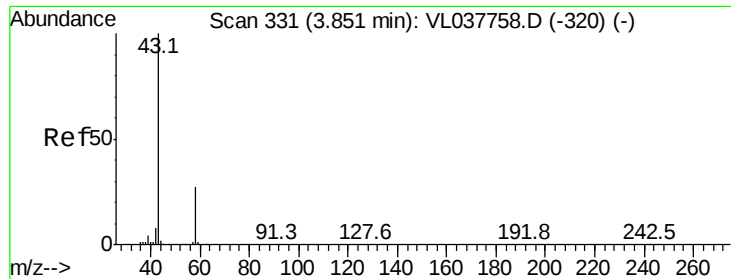
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#14  
Bromoethene  
Concen: 9.724 ppbv  
RT: 3.74 min Scan# 298  
Delta R.T.: 0.01 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion:108 Resp: 711264  
Ion Ratio Lower Upper  
108 100  
106 110.6 91.9 137.9  
79 15.9 13.9 20.9





#15

Acetone

Concen: 10.793 ppbv

RT: 3.85

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

43 100

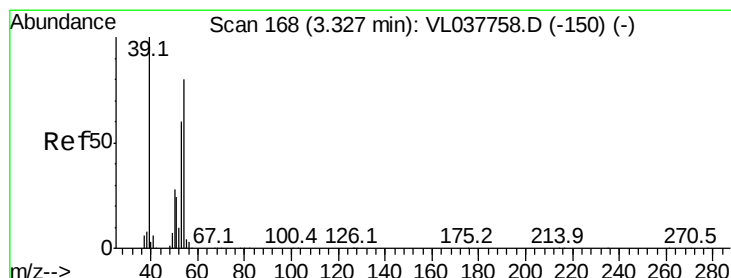
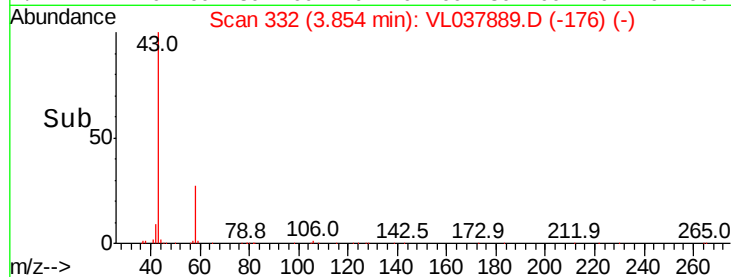
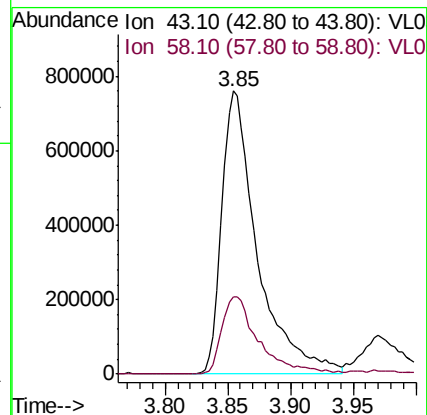
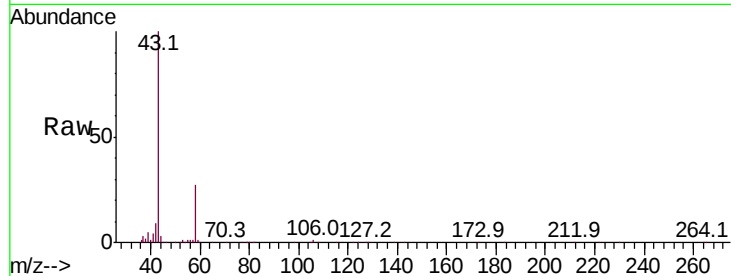
58 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#16

1,3-Butadiene

Concen: 9.283 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL037889.D

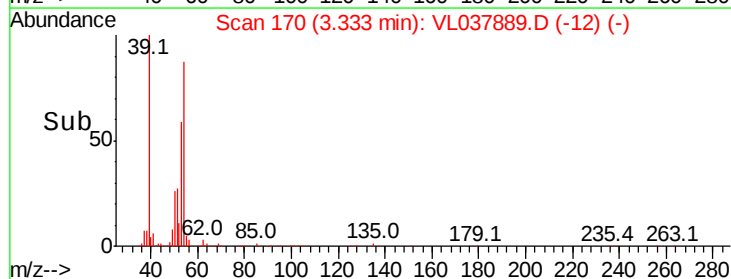
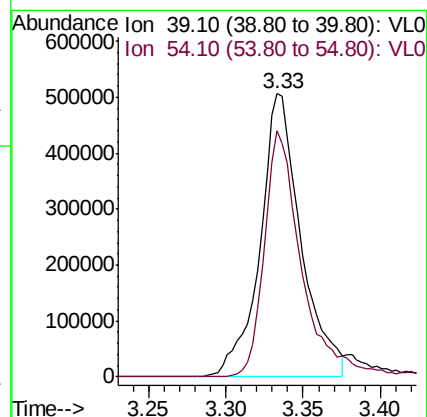
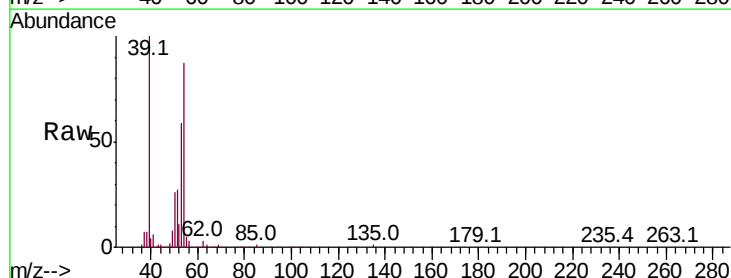
Acq: 25 Oct 2021 10:37

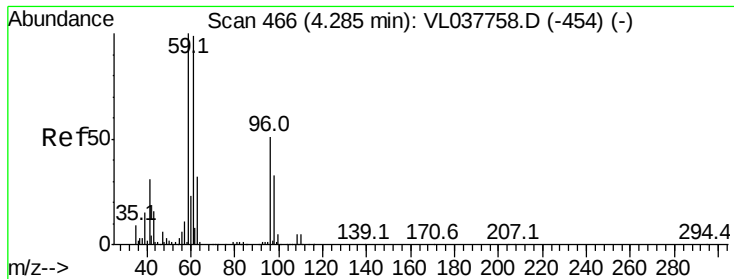
Tgt Ion: 39 Resp: 934167

Ion Ratio Lower Upper

39 100

54 80.7 61.7 92.5





#17

tert-Butyl alcohol

Concen: 10.218 ppbv

RT: 4.29 Instrument :

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

59 100

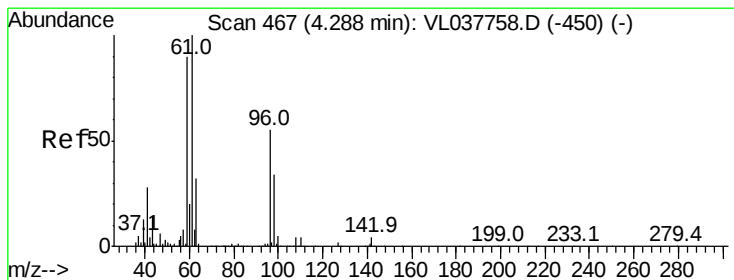
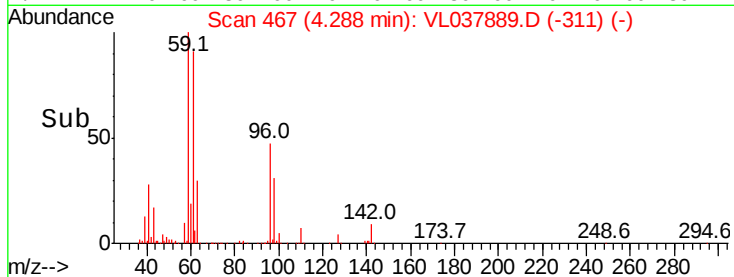
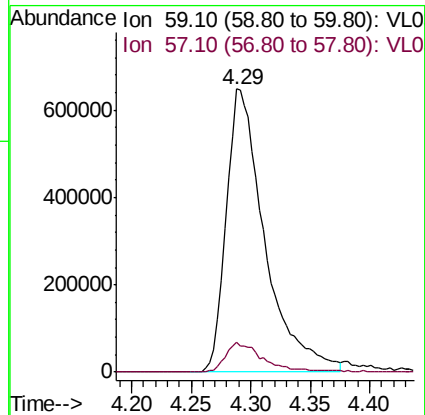
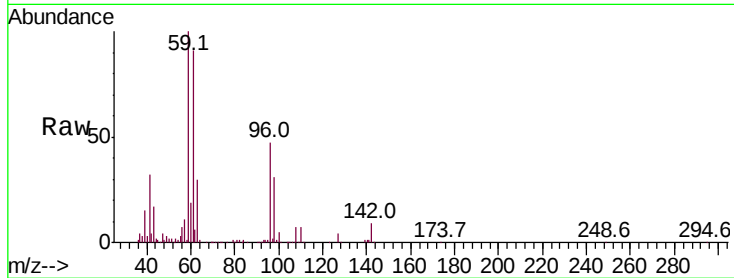
57 11.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 9.292 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

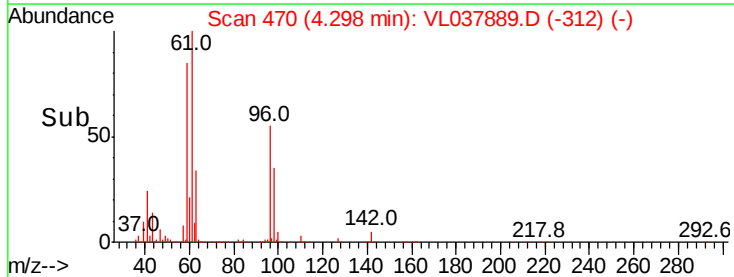
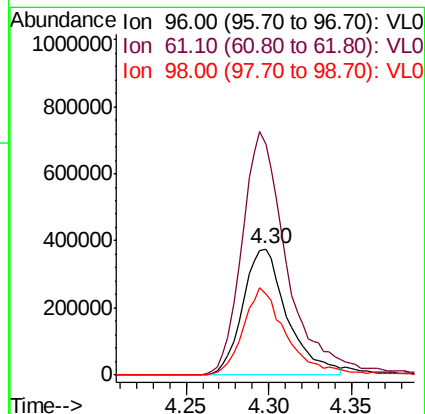
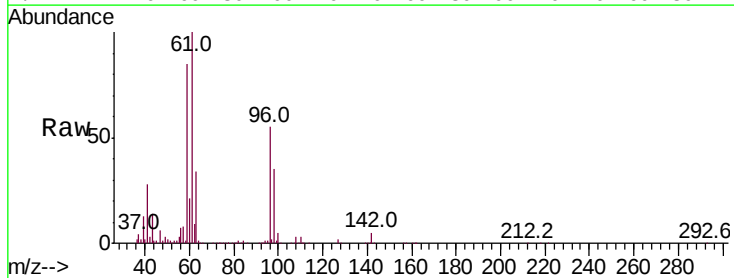
Tgt Ion: 96 Resp: 702467

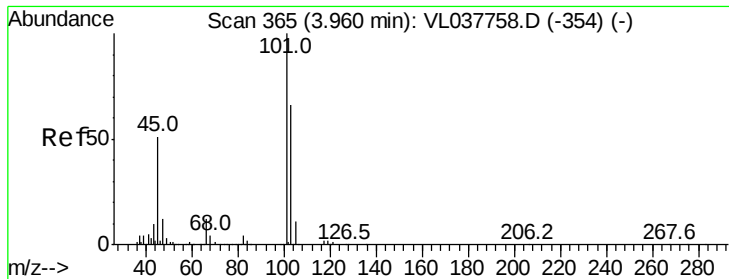
Ion Ratio Lower Upper

96 100

61 183.0 146.2 219.4

98 64.3 50.0 75.0





#19

Isopropyl Alcohol

Concen: 10.098 ppbv

RT: 3.97

Delta R.T. MSVOA.L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

45 100

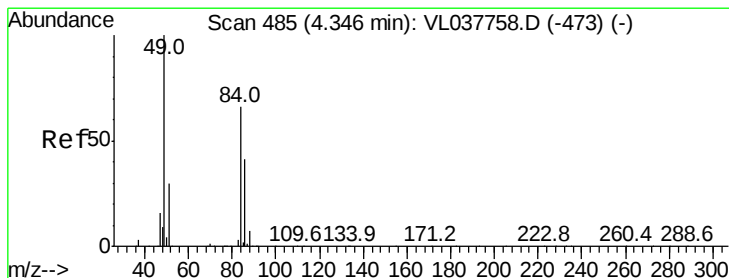
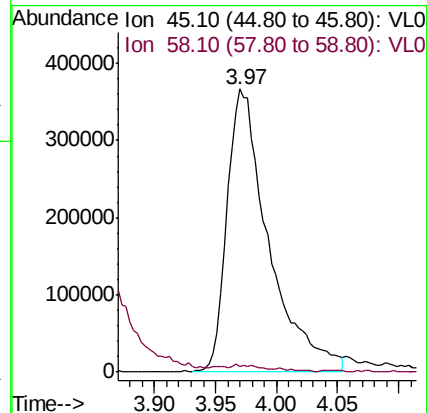
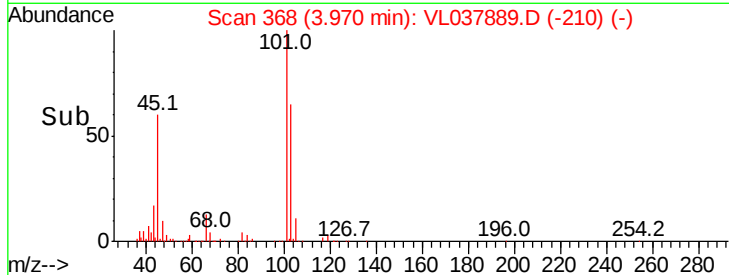
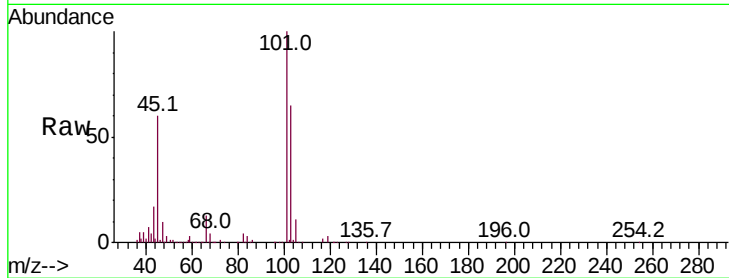
58 3.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 8.577 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion: 84 Resp: 599332

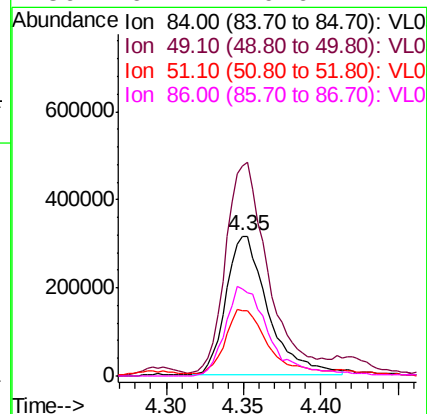
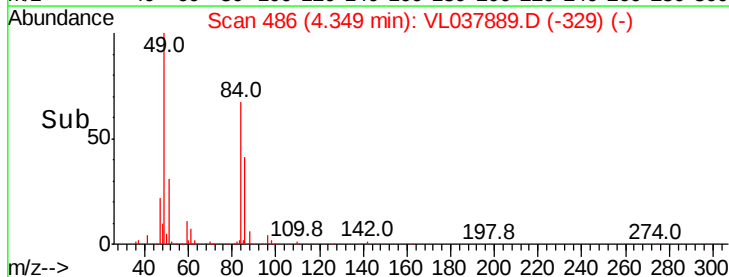
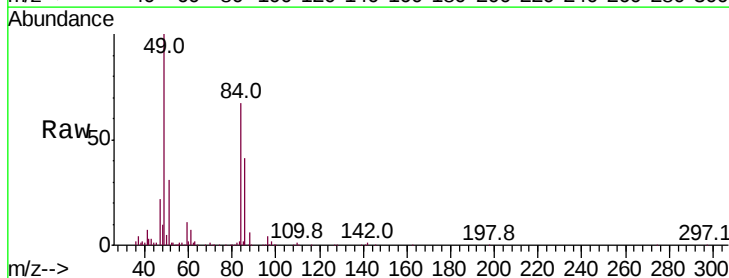
Ion Ratio Lower Upper

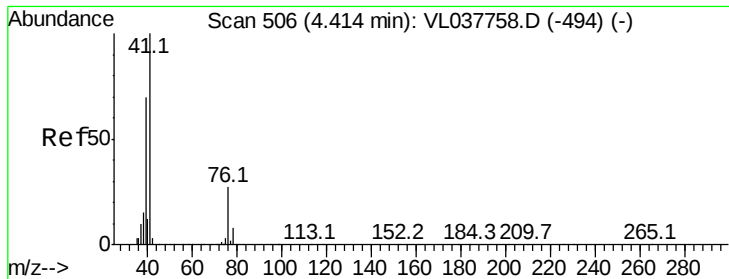
84 100

49 148.5 120.7 181.1

51 45.0 36.2 54.4

86 62.1 49.6 74.4





#21

Allvl Chloride

Concen: 9.306 ppbv

RT: 4.42

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

VSTDCCC010

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

41 100

76 29.

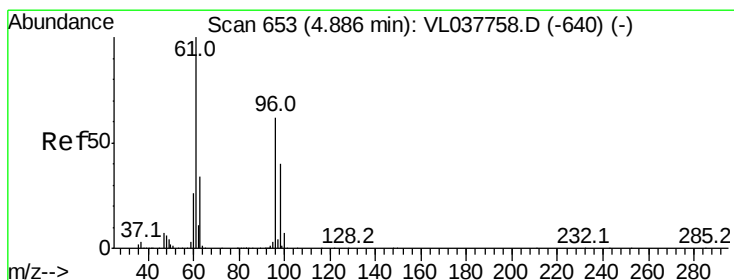
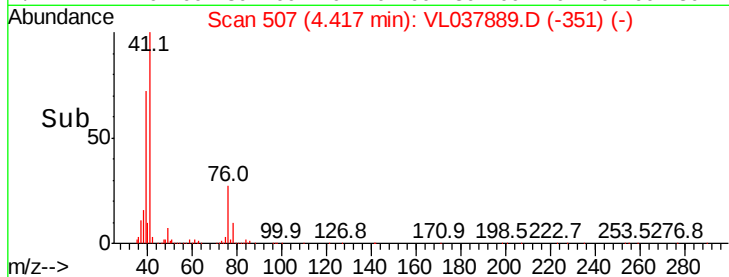
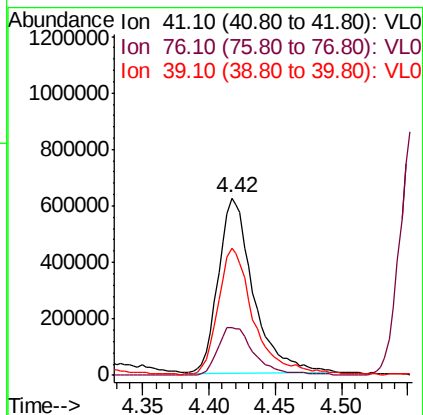
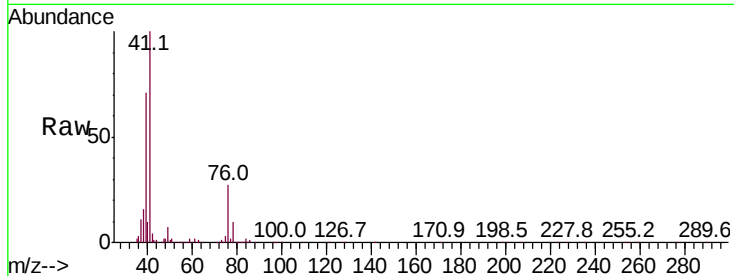
39 73.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#22

trans-1,2-Dichloroethene

Concen: 9.676 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.01 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

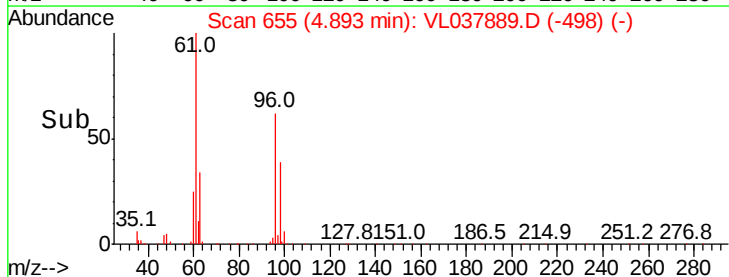
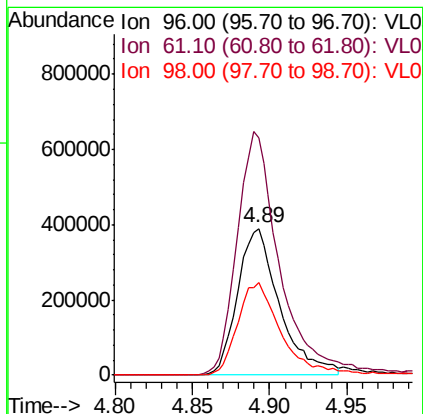
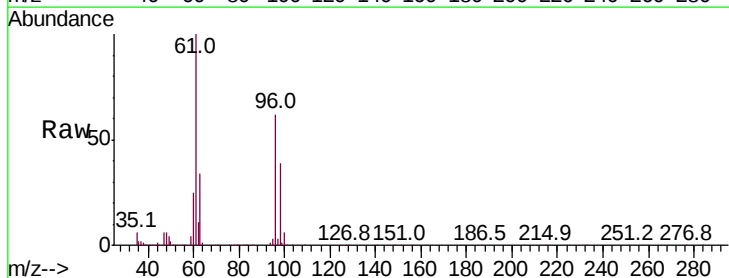
Tgt Ion: 96 Resp: 735459

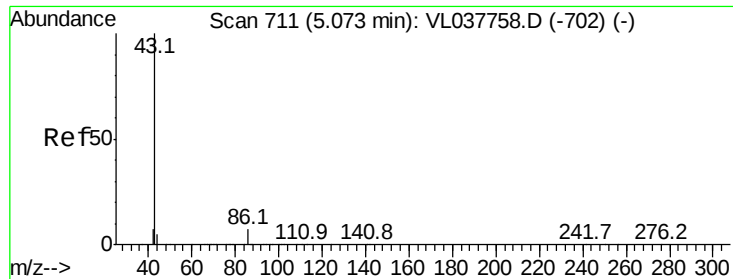
Ion Ratio Lower Upper

96 100

61 161.7 129.0 193.6

98 63.6 51.7 77.5





#23

Vinyl Acetate

Concen: 9.911 ppbv

RT: 5.08 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

43 100

86 6.

42 9.

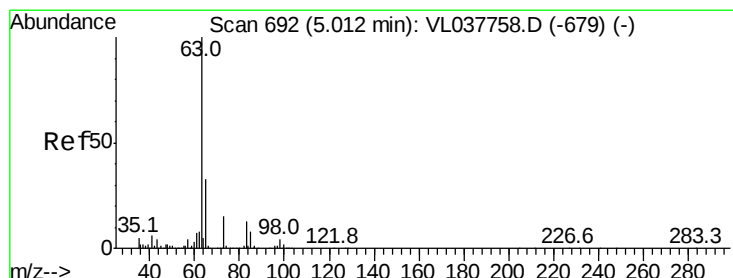
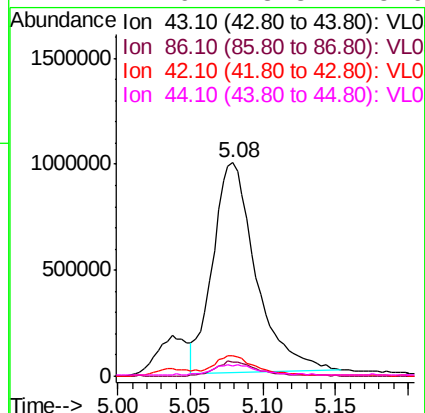
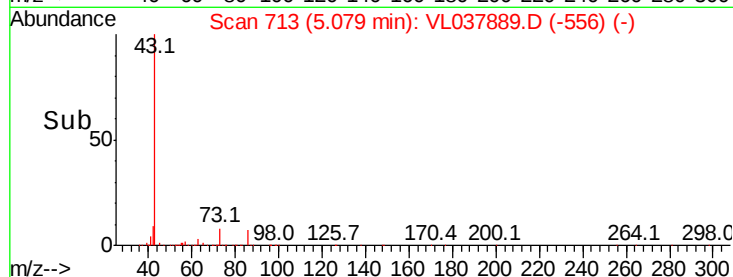
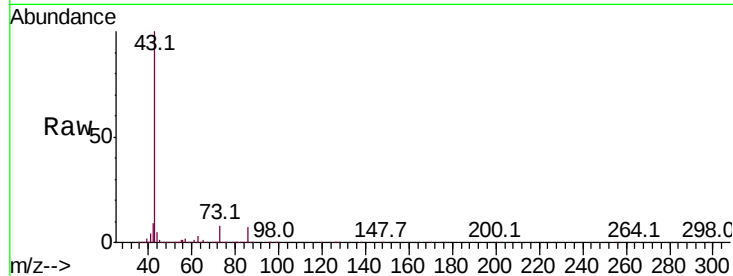
44 4.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#24

1,1-Dichloroethane

Concen: 9.534 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion: 63 Resp: 1438419

Ion Ratio Lower Upper

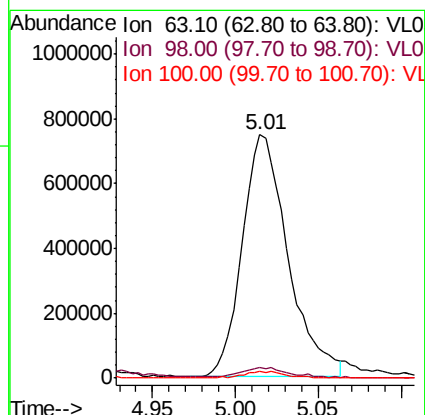
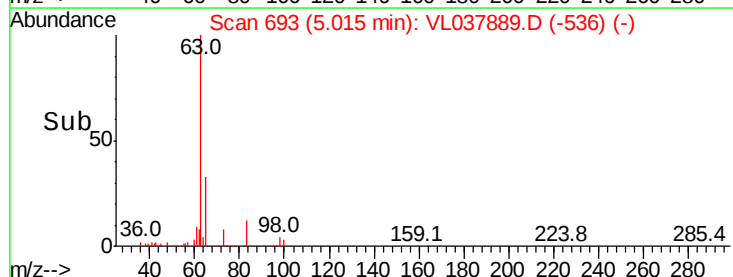
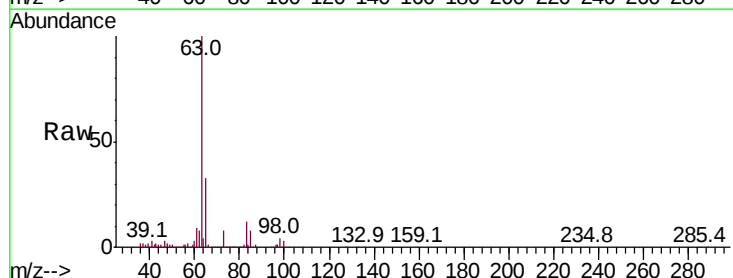
63 100

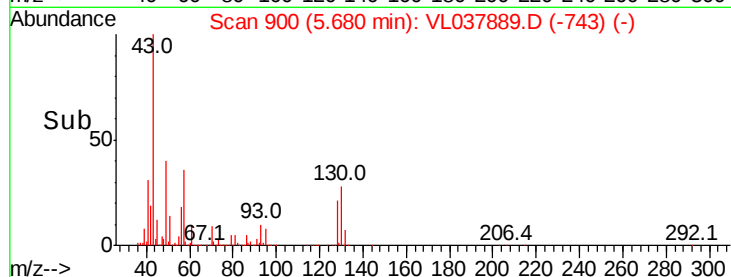
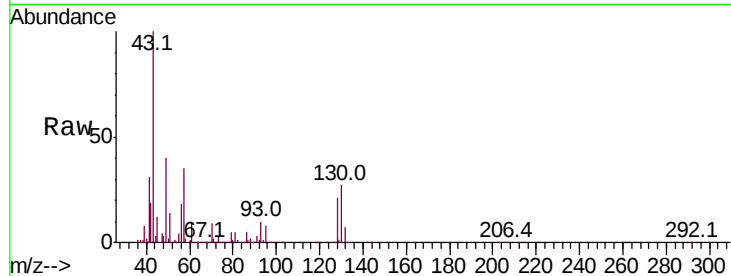
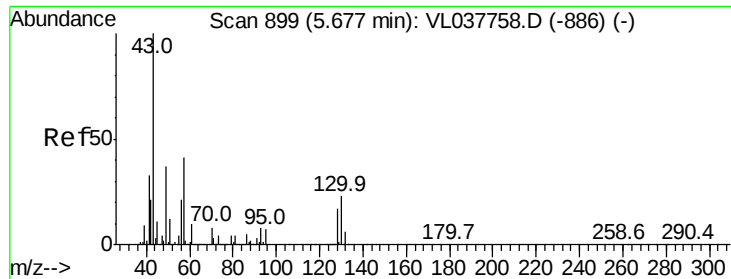
98 3.9

100 2.9

2.3 6.9

1.1 3.1

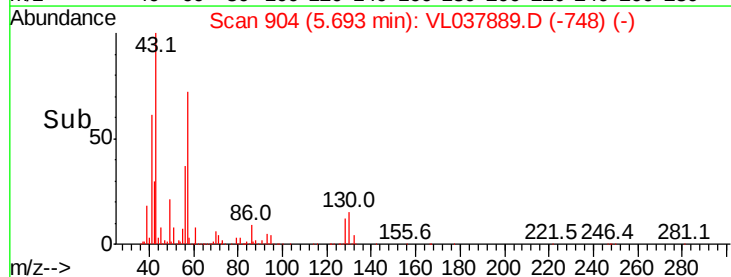
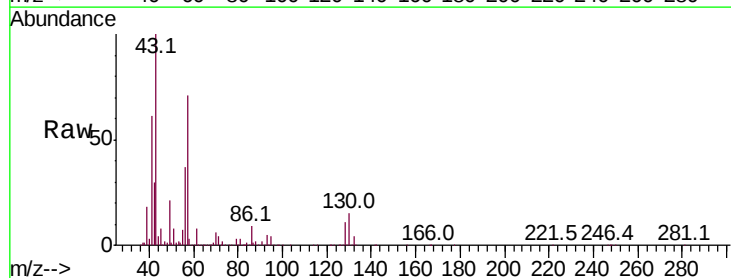
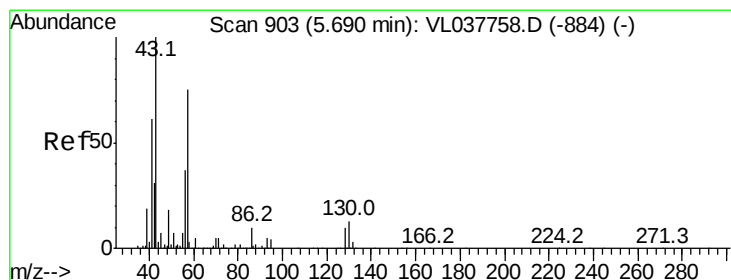
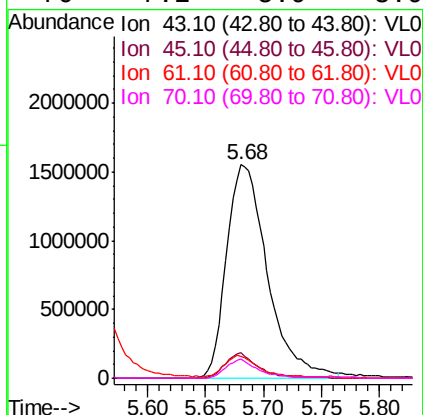




#25  
Ethyl Acetate  
Concen: 9.723 ppbv  
RT: 5.68  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 25 Oct 2021 10:37

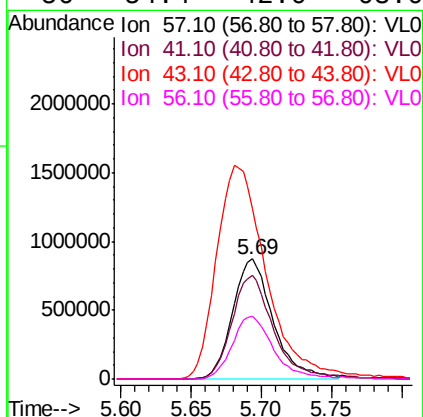
Tot Ion: Manual Integrations  
Ion Ratio APPROVED  
43 100  
45 9.  
61 9.  
70 7.2 5.9 8.9

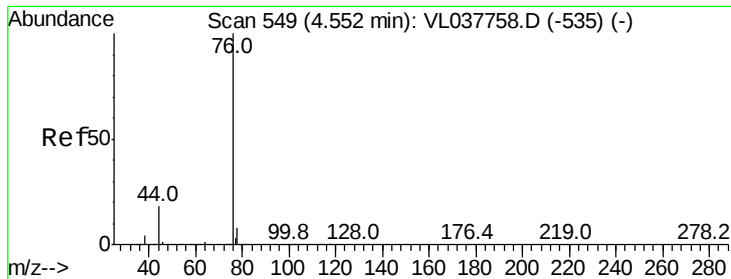
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#26  
Hexane  
Concen: 9.196 ppbv  
RT: 5.69 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 57 Resp: 1757418  
Ion Ratio Lower Upper  
57 100  
41 90.3 69.6 104.4  
43 218.6 171.4 257.0  
56 54.4 42.0 63.0





#27

Carbon Disulfide

Concen: 10.894 ppbv

RT: 4.56 Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

76 100

44 17.

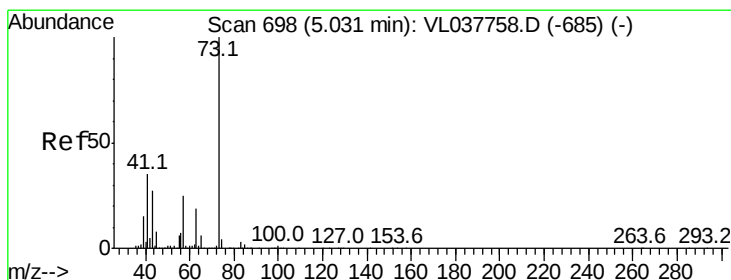
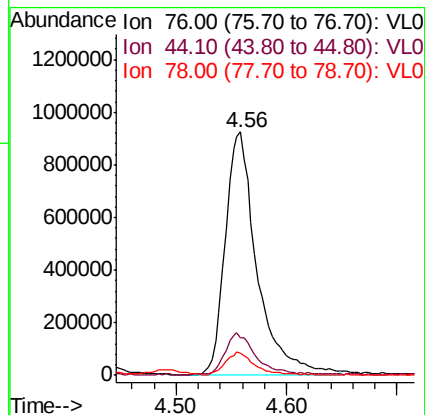
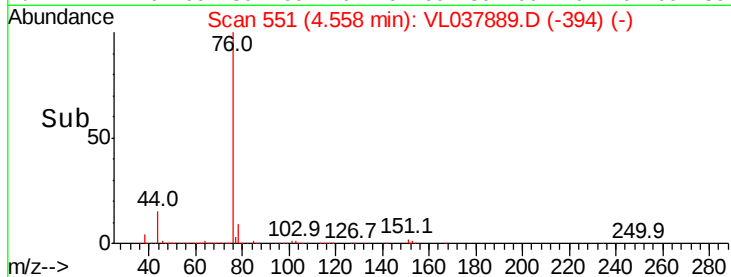
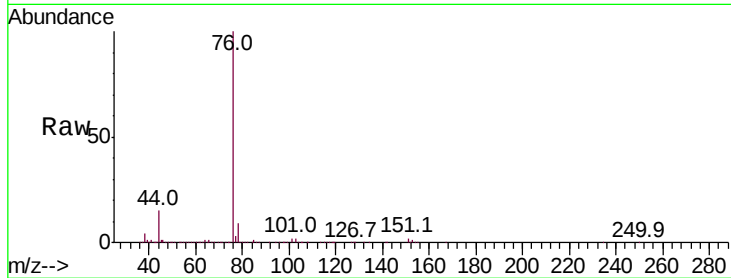
78 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#28

Methyl tert-Butyl Ether

Concen: 9.376 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL037889.D

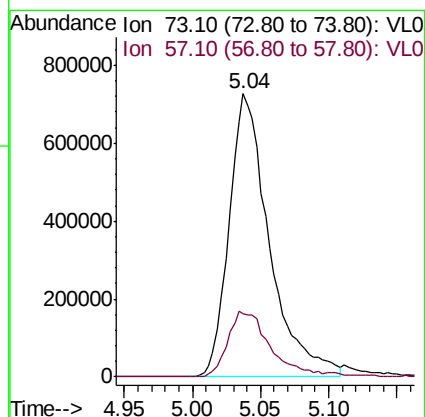
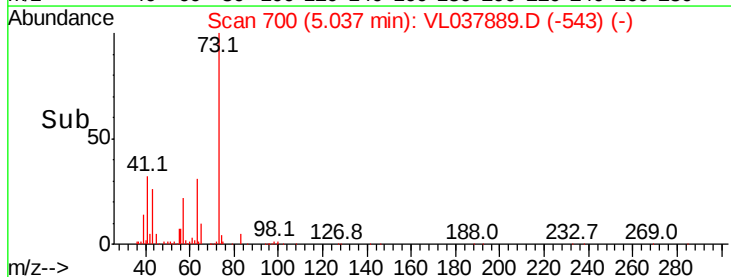
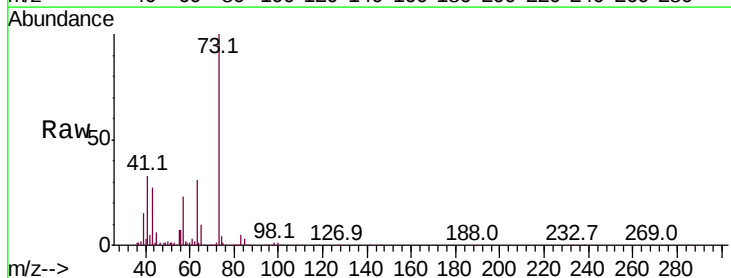
Acq: 25 Oct 2021 10:37

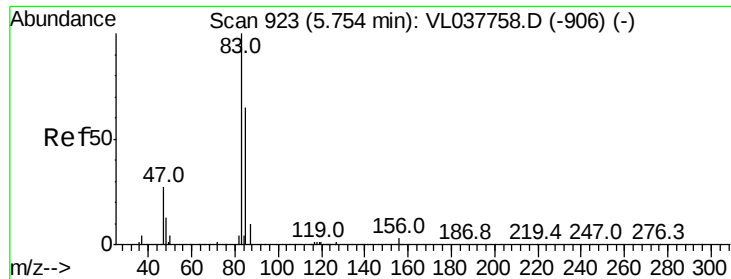
Tgt Ion: 73 Resp: 1491756

Ion Ratio Lower Upper

73 100

57 25.3 20.4 30.6



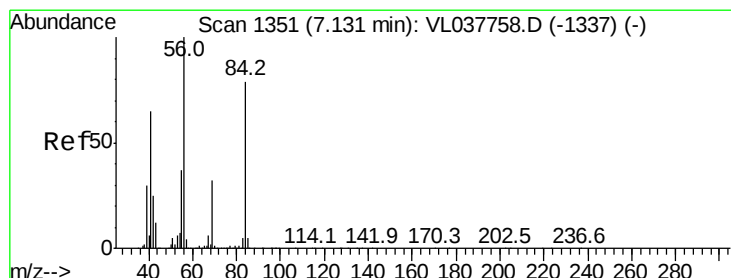
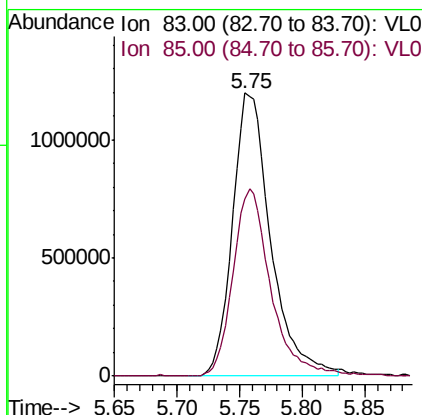
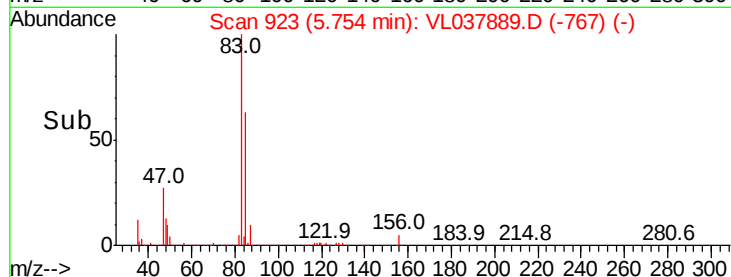
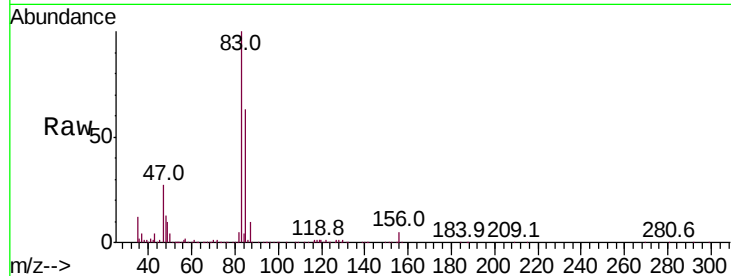


#29  
Chloroform  
Concen: 9.287 ppbv  
RT: 5.75  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 25 Oct 2021 10:37

Tot Ion:  
Ion Ratio  
83 100  
85 62.

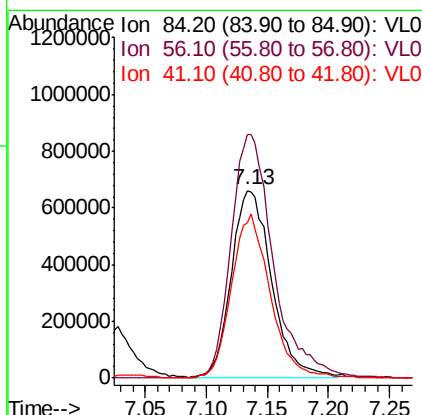
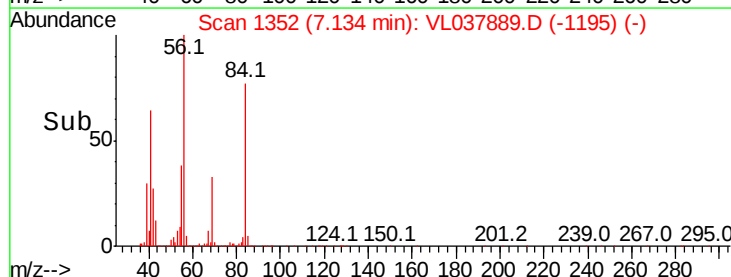
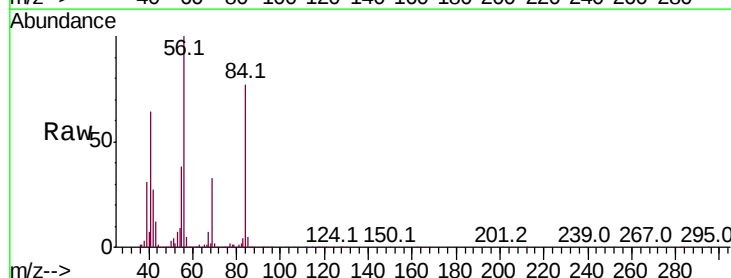
Manual Integrations  
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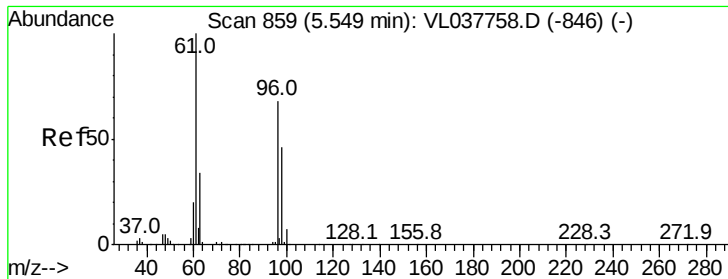
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#30  
Cyclohexane  
Concen: 9.251 ppbv  
RT: 7.13 min Scan# 1352  
Delta R.T. 0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 84 Resp: 1499088  
Ion Ratio Lower Upper  
84 100  
56 138.8 113.0 169.4  
41 84.2 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 9.447 ppbv

RT: 5.56 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

61 100

96 67.

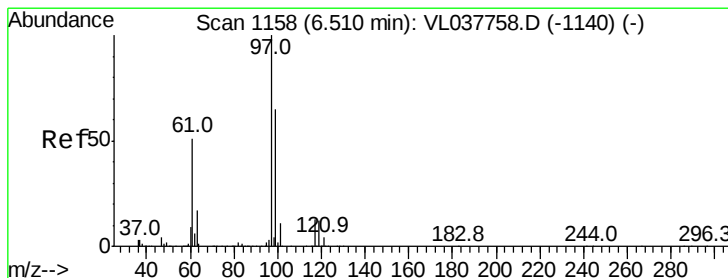
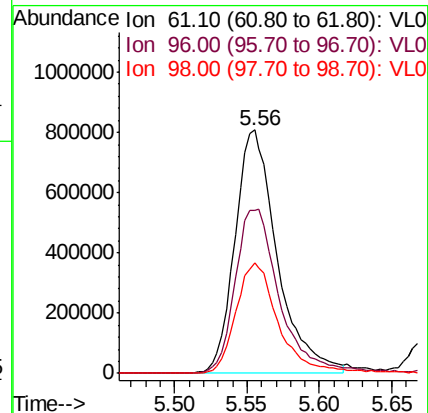
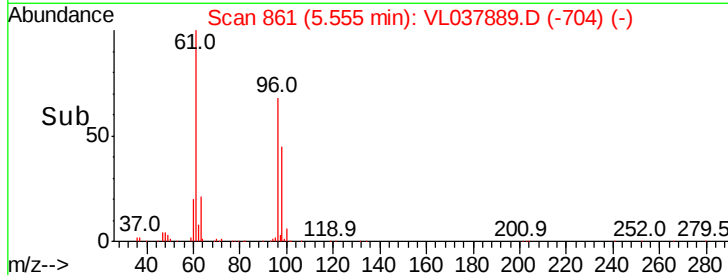
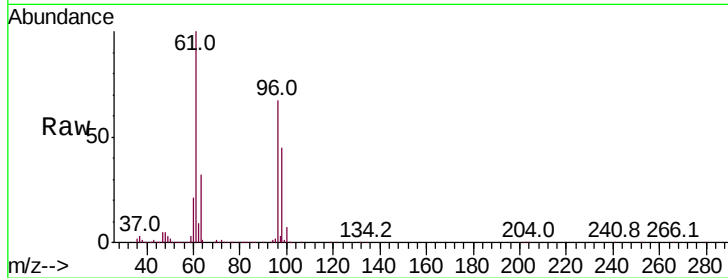
98 45.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 9.418 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

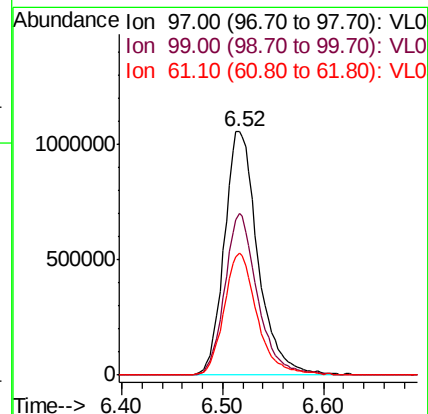
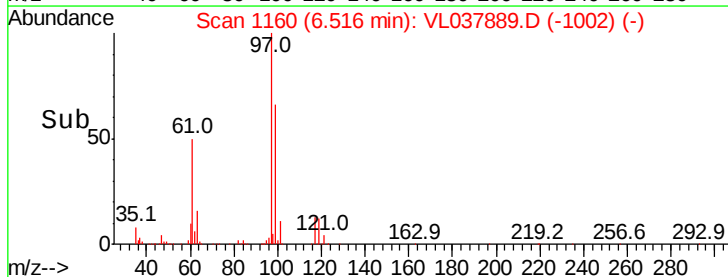
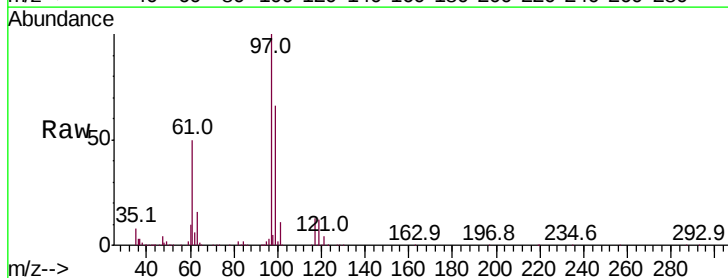
Tgt Ion: 97 Resp: 2439156

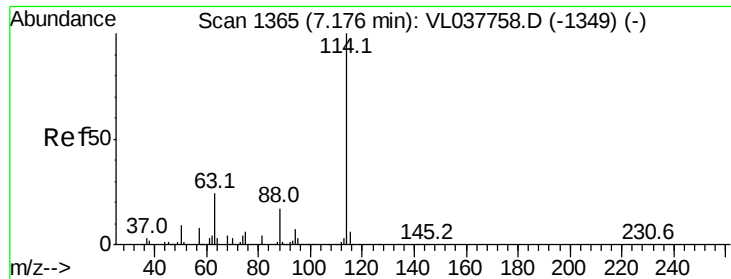
Ion Ratio Lower Upper

97 100

99 65.1 52.6 78.8

61 49.4 40.2 60.4



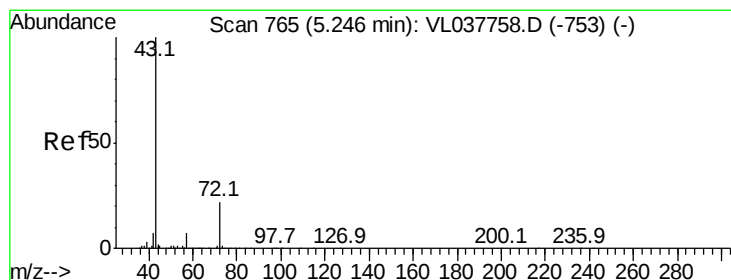
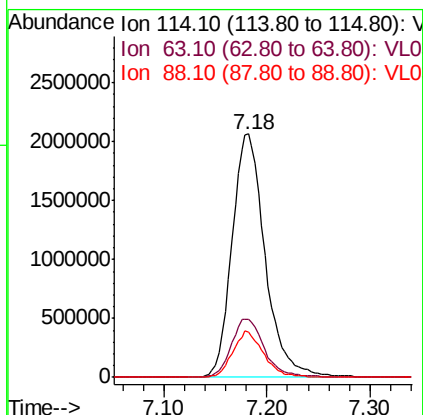
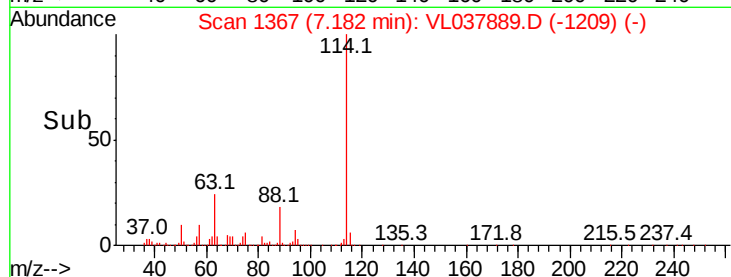
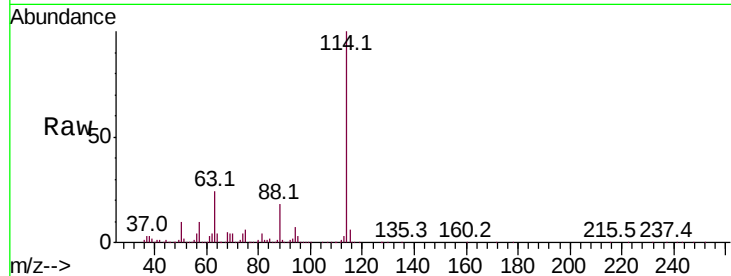


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.18  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:1  
 Ion Rati  
 114 100  
 63 24.  
 88 17.

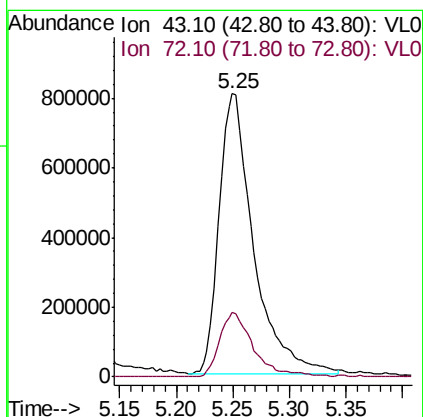
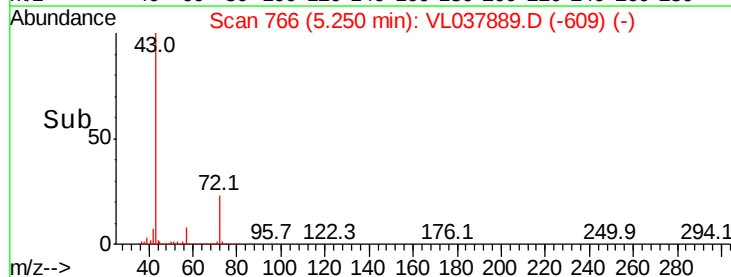
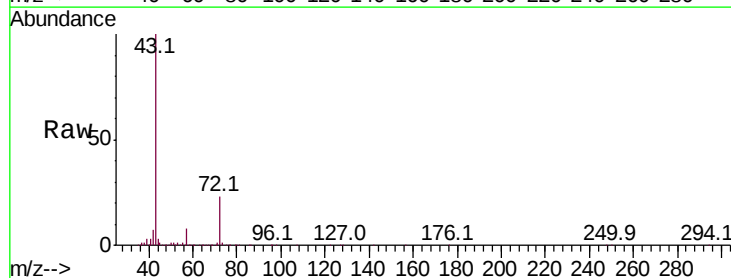
Manual Integrations  
 APPROVED

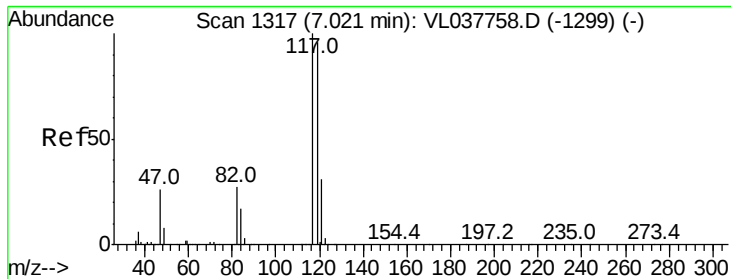
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#34  
 2-Butanone  
 Concen: 9.141 ppbv  
 RT: 5.25 min Scan# 766  
 Delta R.T. 0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion: 43 Resp: 1703550  
 Ion Ratio Lower Upper  
 43 100  
 72 23.1 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.563 ppbv

RT: 7.02

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37

Tot Ion:1

Ion Rati

117 100

119 94.

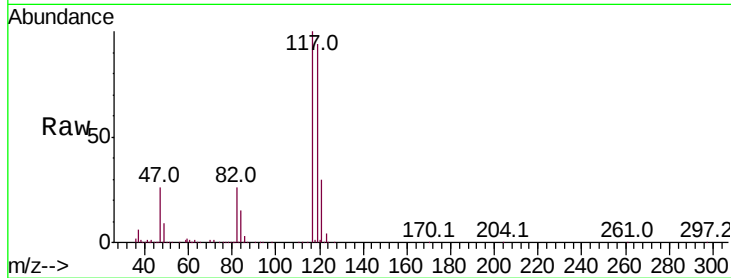
121 30.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

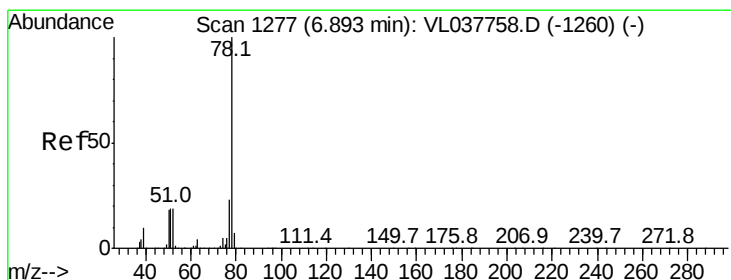
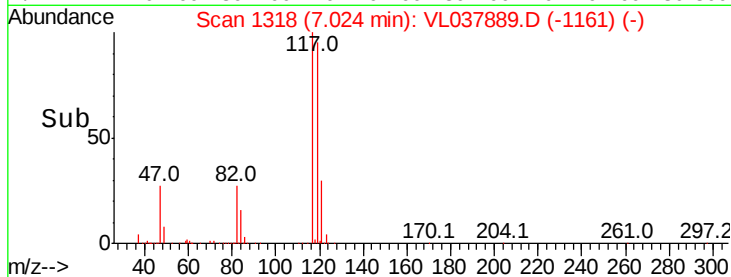
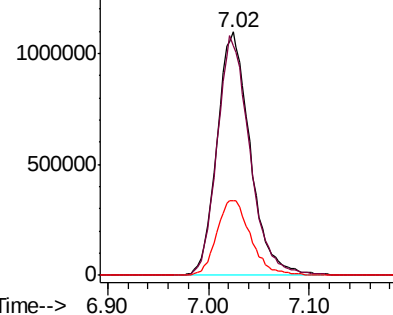
Supervised By :Mahesh Dadoda 10/27/2021



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: 9.348 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

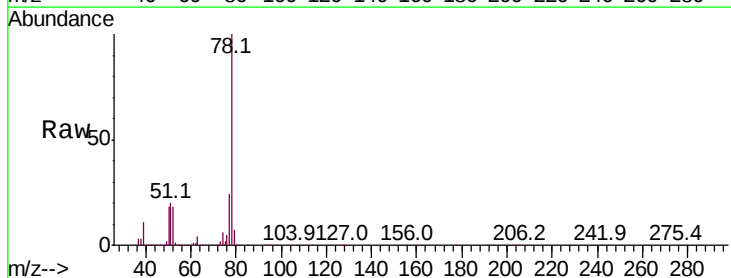
Tgt Ion: 78 Resp: 3685653

Ion Ratio Lower Upper

78 100

77 24.1 18.8 28.2

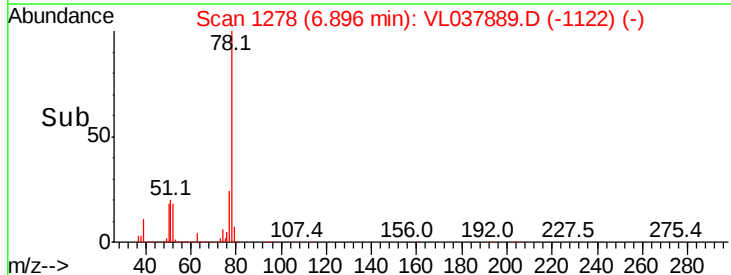
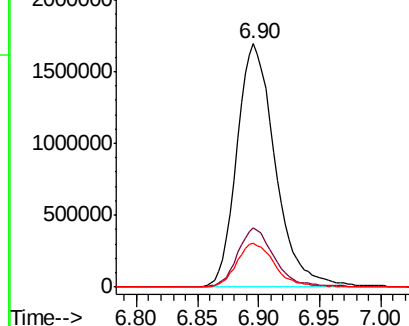
50 17.9 14.7 22.1

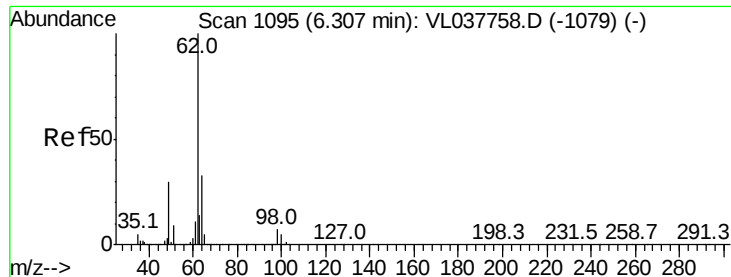


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.402 ppbv

RT: 6.31

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

62 100

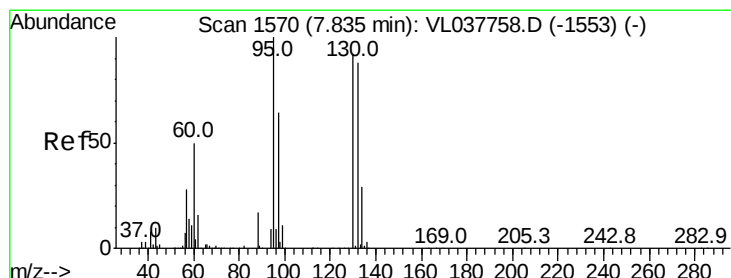
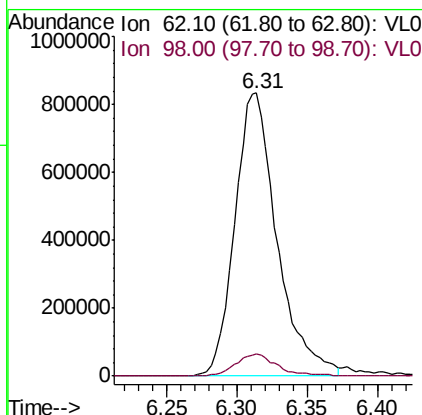
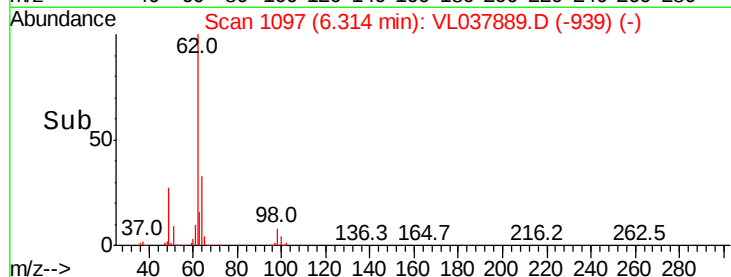
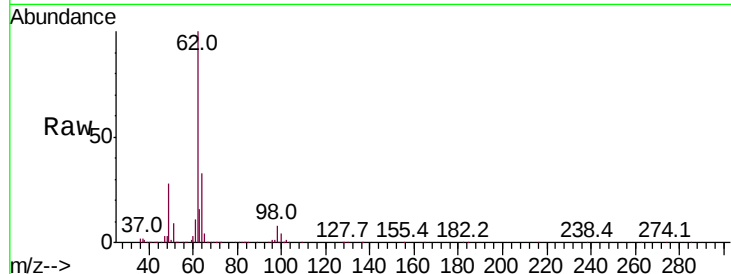
98 8.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#38

Trichloroethene

Concen: 9.545 ppbv

RT: 7.84 min Scan# 1571

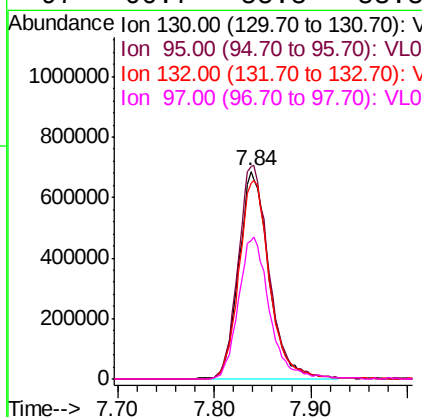
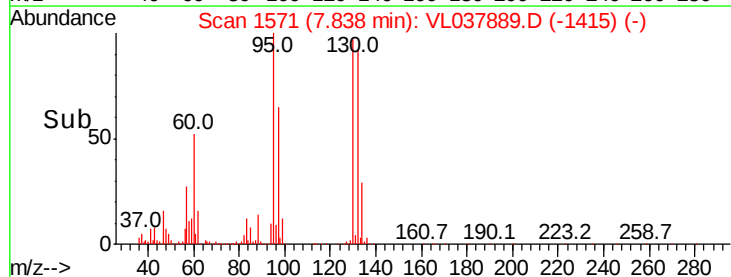
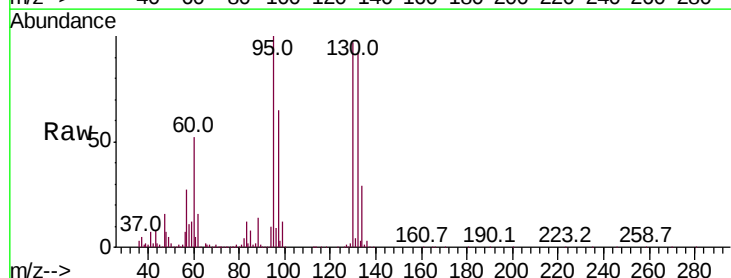
Delta R.T. 0.00 min

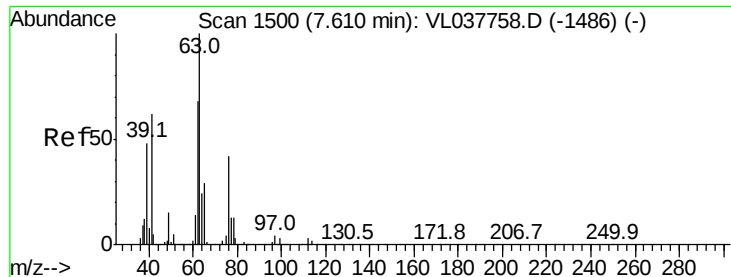
Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion:130 Resp: 1486881

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 102.7 | 87.4  | 131.0 |
| 132 | 94.6  | 76.8  | 115.2 |
| 97  | 66.7  | 55.8  | 83.8  |



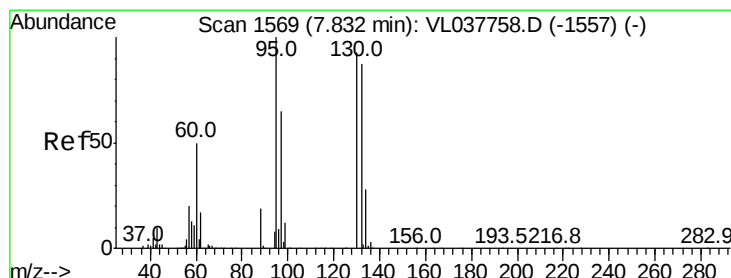
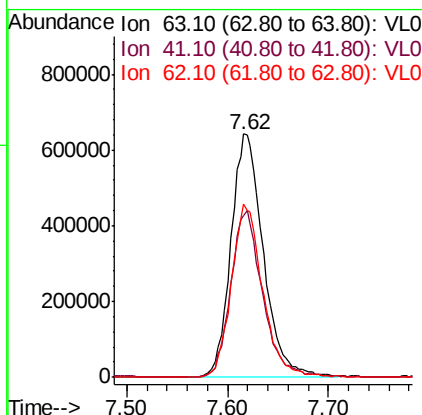
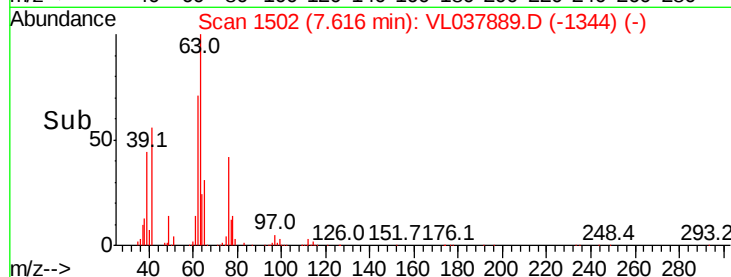
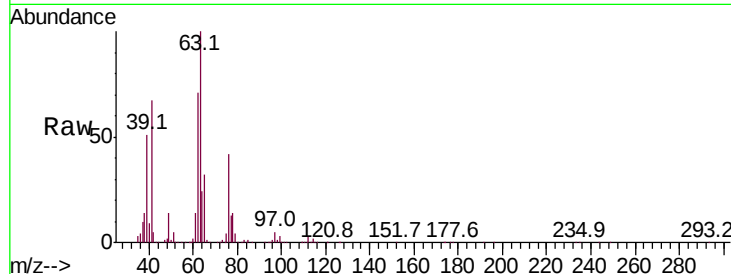


#39  
 1,2-Dichloropropane  
 Concen: 9.684 ppbv  
 RT: 7.62  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:  
 Ion Ratio  
 63 100  
 41 66.  
 62 71.

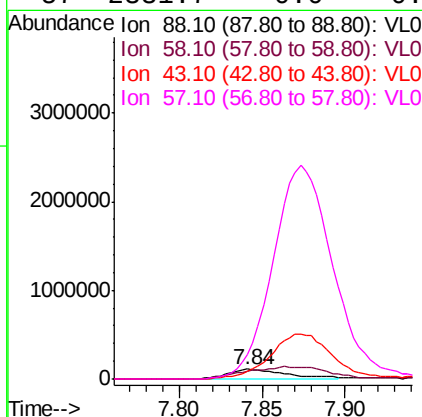
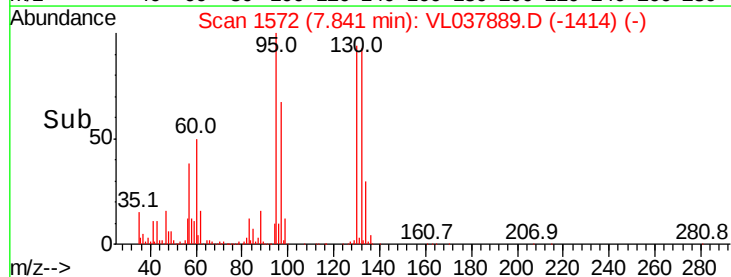
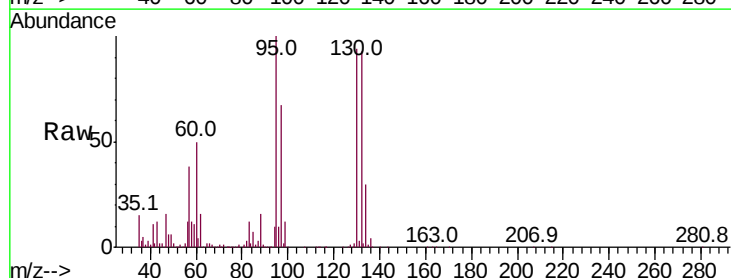
Manual Integrations  
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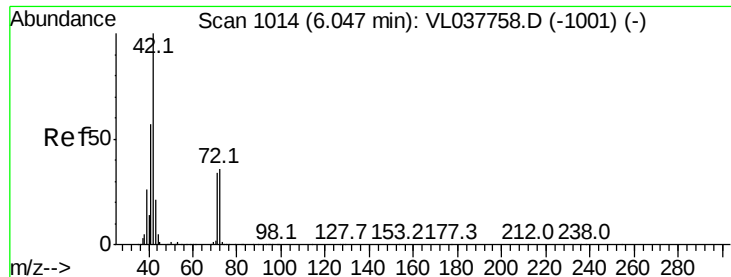
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#40  
 1,4-Dioxane  
 Concen: 7.117 ppbv  
 RT: 7.84 min Scan# 1572  
 Delta R.T. 0.01 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion: 88 Resp: 264116  
 Ion Ratio Lower Upper  
 88 100  
 58 194.1 0.0 0.0#  
 43 501.1 0.0 0.0#  
 57 2331.7 0.0 0.0#



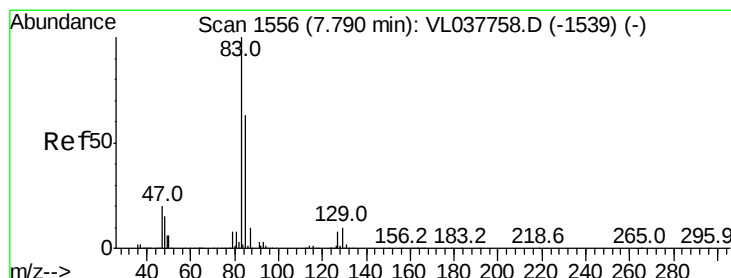
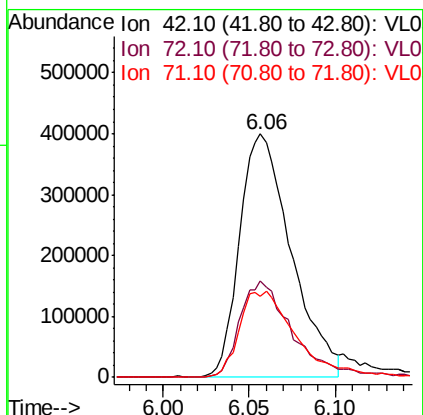
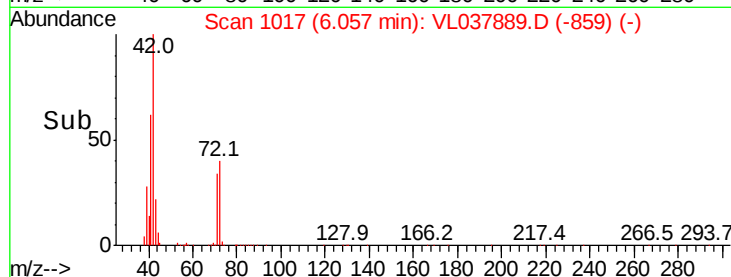
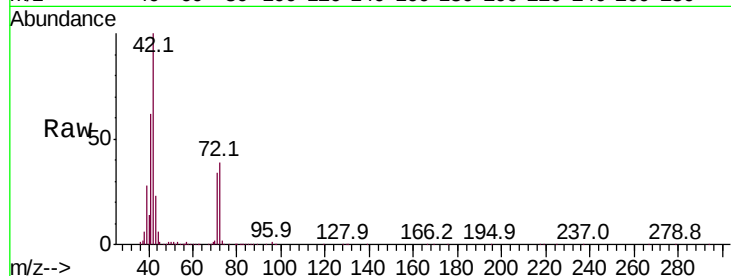


#41  
Tetrahydrofuran  
Concen: 9.102 ppbv  
RT: 6.06  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Oct 2021 10:37

Tot Ion:  
Ion Ratio  
42 100  
72 41.  
71 40.

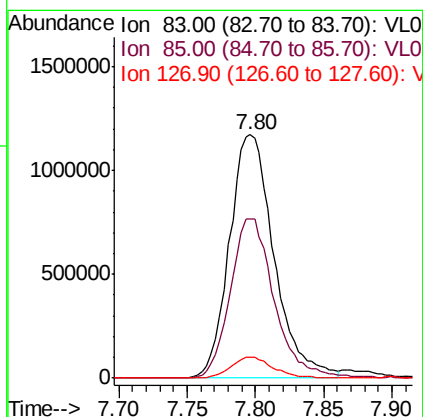
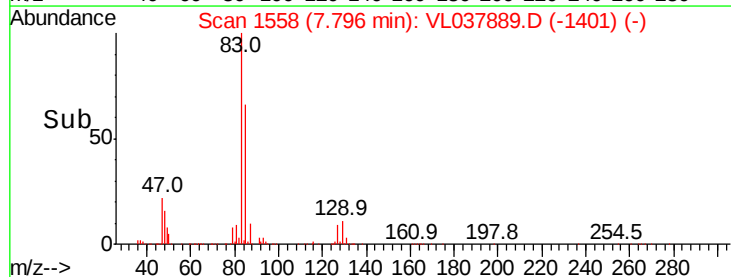
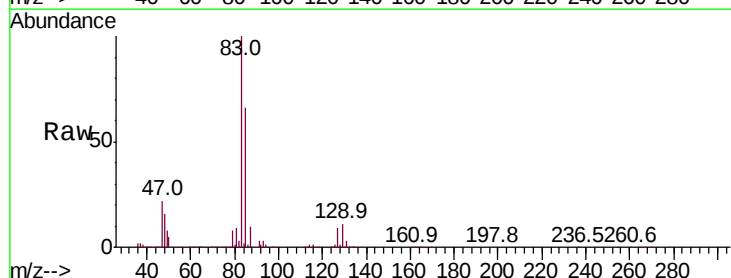
Manual Integrations  
APPROVED

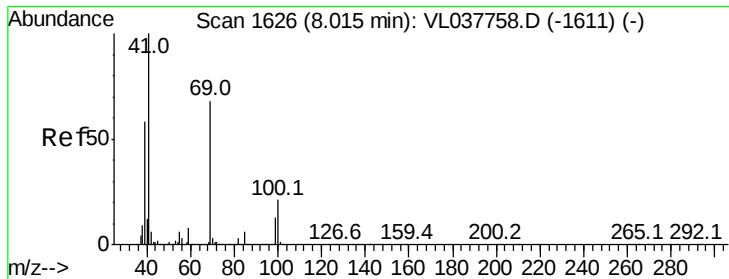
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#42  
Bromodichloromethane  
Concen: 9.745 ppbv  
RT: 7.80 min Scan# 1558  
Delta R.T. 0.01 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 83 Resp: 2657531  
Ion Ratio Lower Upper  
83 100  
85 65.5 50.6 75.8  
127 8.6 6.2 9.4





#43

Methyl Methacrylate

Concen: 10.293 ppbv

RT: 8.02

Instrument: MSVOA\_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDCCC010

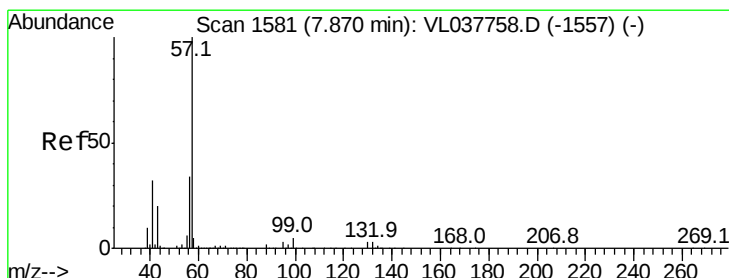
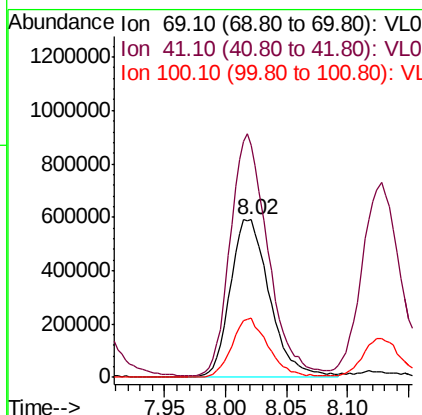
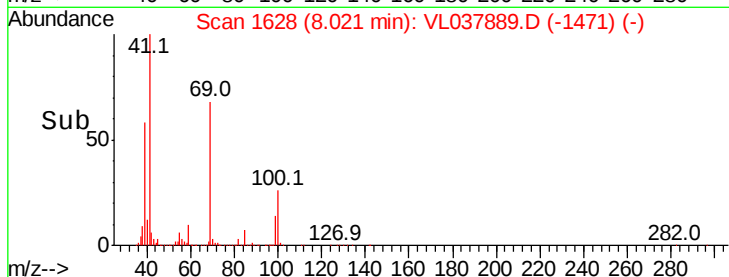
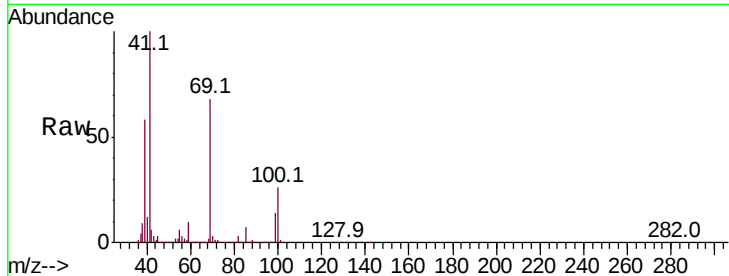
Acq: 25 Oct 2021 10:37

Tot Ion:

| Ion | Ratio |
|-----|-------|
| 69  | 100   |
| 41  | 148.  |
| 100 | 35.   |

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#44

2,2,4-Trimethylpentane

Concen: 9.263 ppbv

RT: 7.87 min Scan# 1582

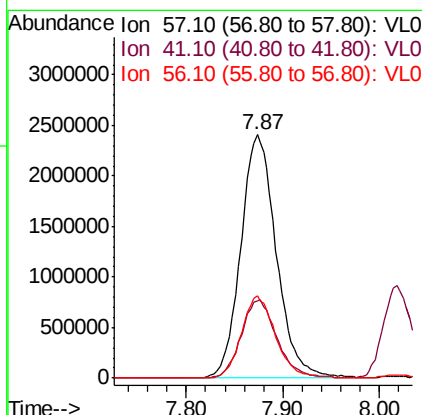
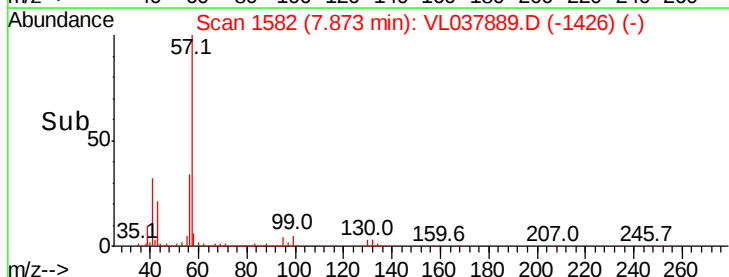
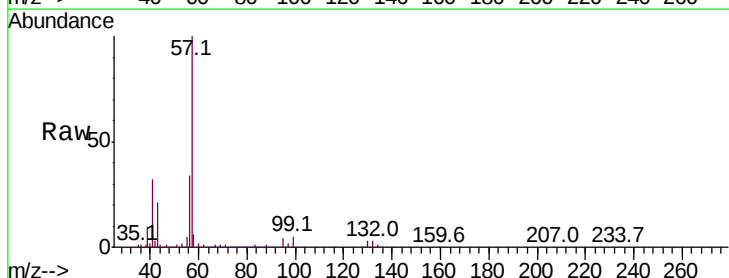
Delta R.T. 0.00 min

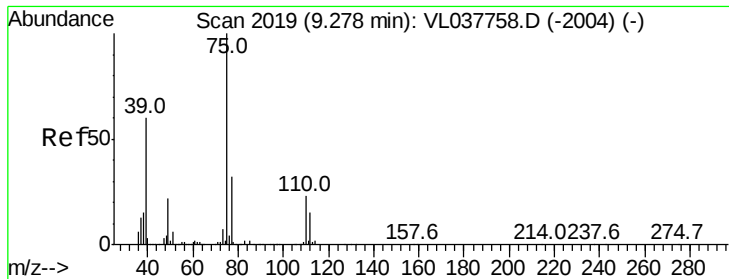
Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion: 57 Resp: 6136407

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 32.4  | 25.6  | 38.4  |
| 56  | 32.6  | 25.5  | 38.3  |





#45

t-1,3-Dichloropropene

Concen: 10.231 ppbv

RT: 9.28 Instrument : MSVOA\_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

75 100

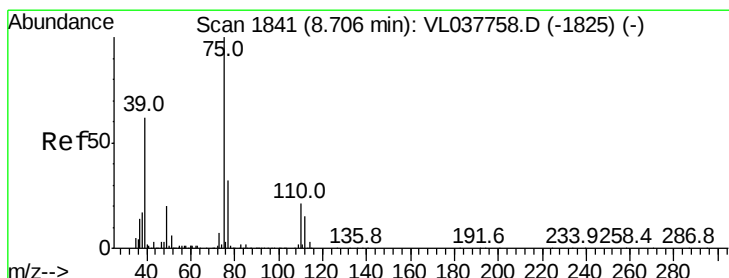
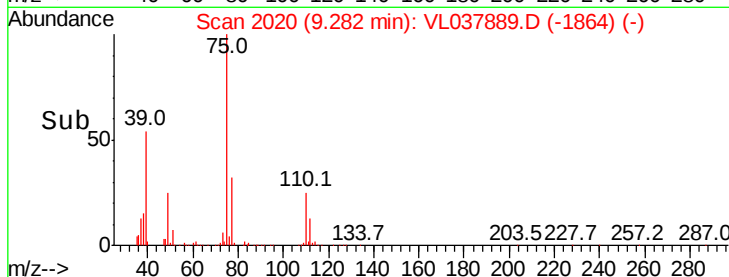
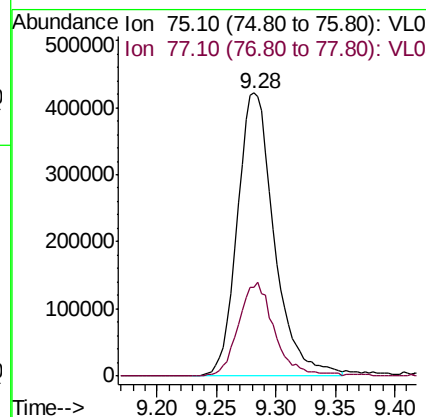
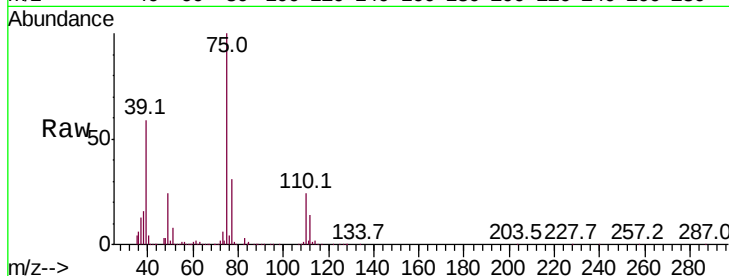
77 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#46

cis-1,3-Dichloropropene

Concen: 10.270 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

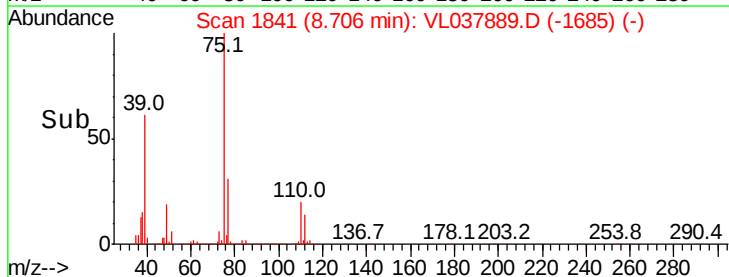
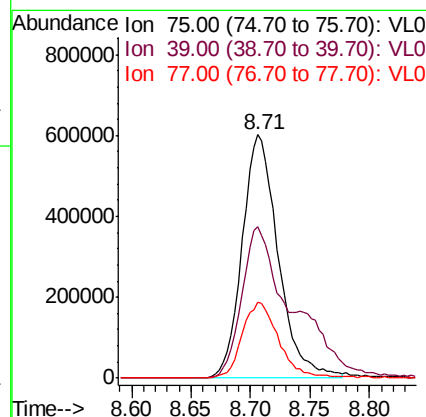
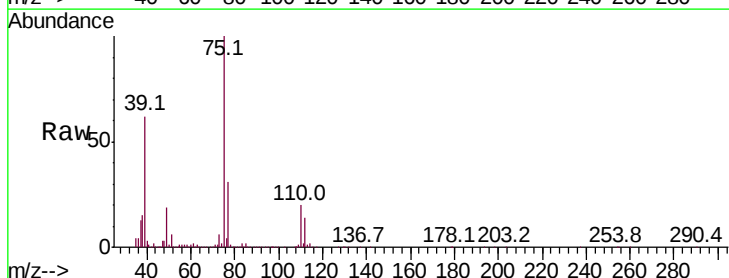
Tgt Ion: 75 Resp: 1261456

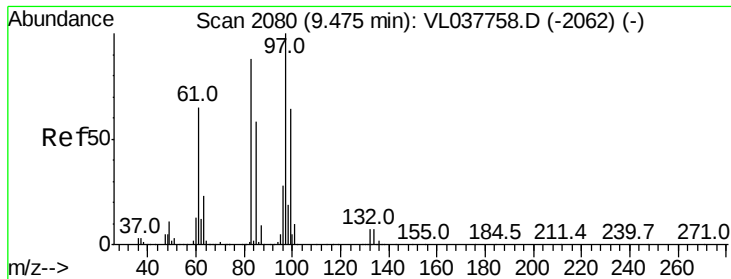
Ion Ratio Lower Upper

75 100

39 62.2 49.9 74.9

77 31.2 25.9 38.9



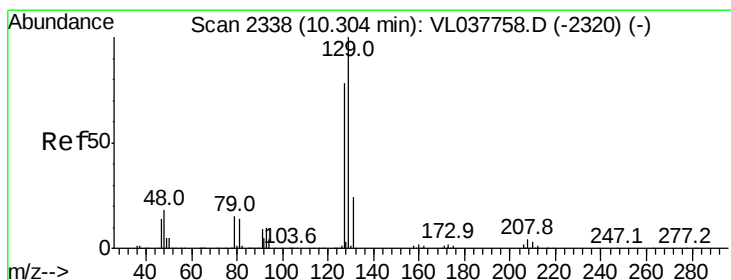
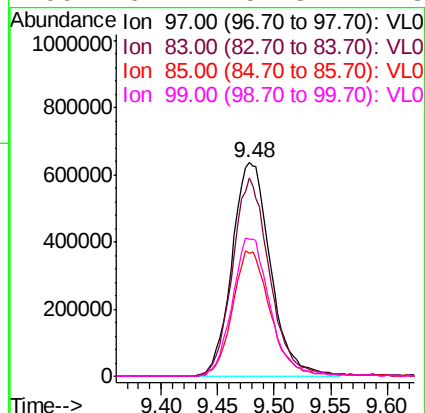
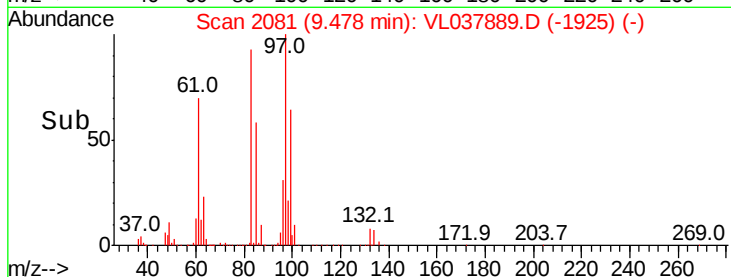
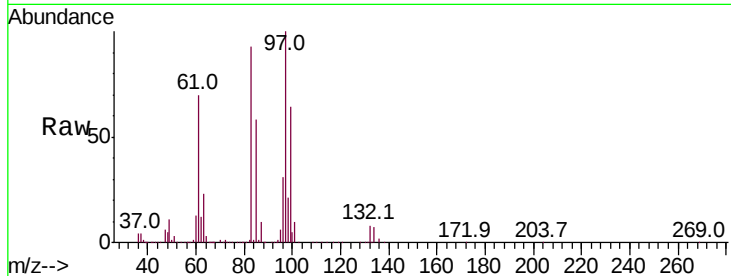


#47  
 1,1,2-Trichloroethane  
 Concen: 9.376 ppbv  
 RT: 9.48  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Client Sample ID:  
 Lab File: VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:  
 Ion Ratio  
 97 100  
 83 93.  
 85 57.  
 99 64.1 51.5 77.3

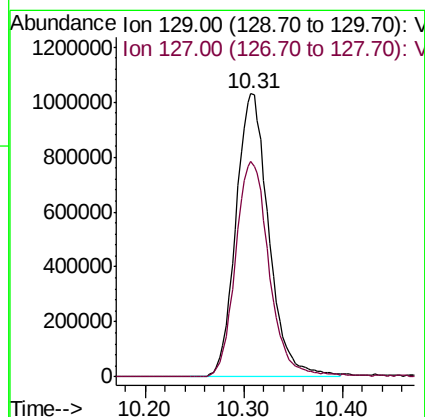
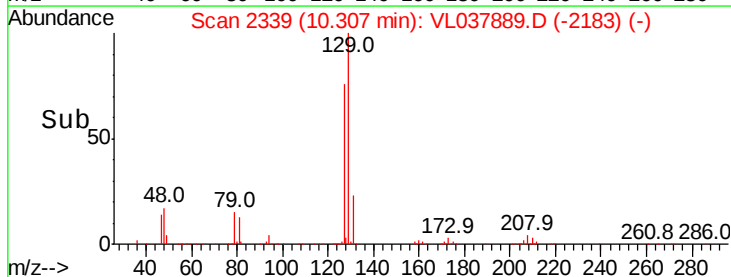
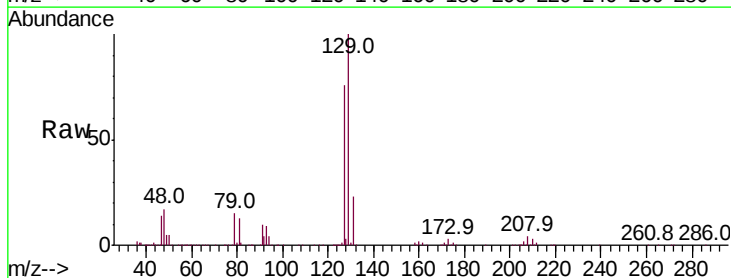
Manual Integrations  
 APPROVED

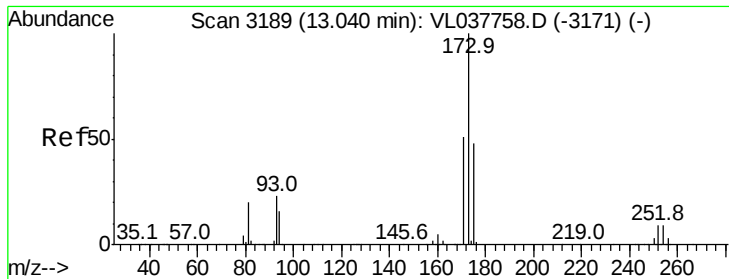
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#48  
 Dibromochloromethane  
 Concen: 10.389 ppbv  
 RT: 10.31 min Scan# 2339  
 Delta R.T. 0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion:129 Resp: 2387757  
 Ion Ratio Lower Upper  
 129 100  
 127 78.5 39.5 118.5





#49

Bromoform

Concen: 10.933 ppbv

RT: 13.04

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

Tot Ion:1

Ion Rati

173 100

175 52.

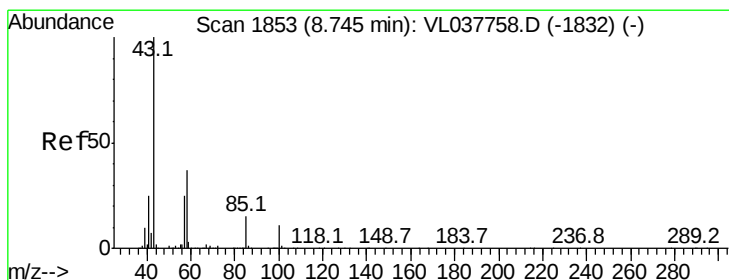
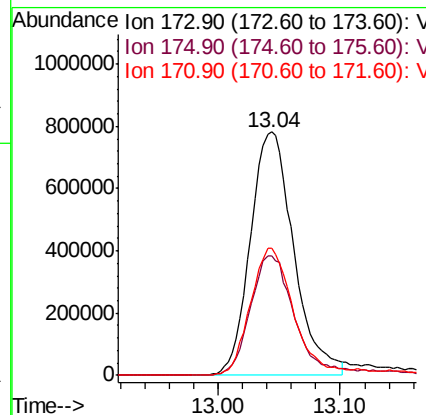
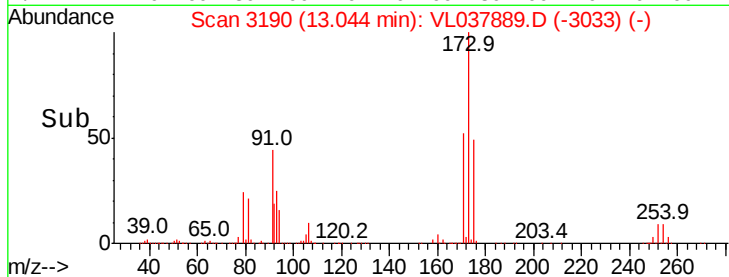
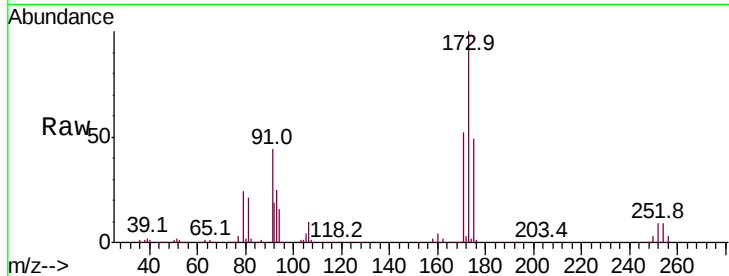
171 55.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#50

4-Methyl-2-Pentanone

Concen: 10.034 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL037889.D

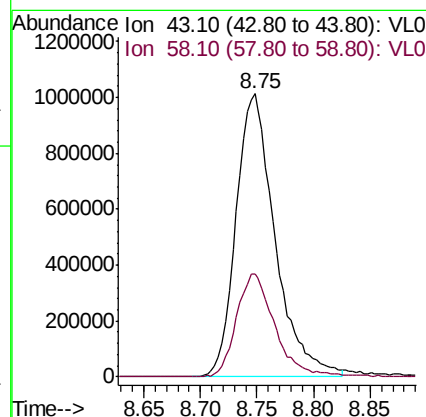
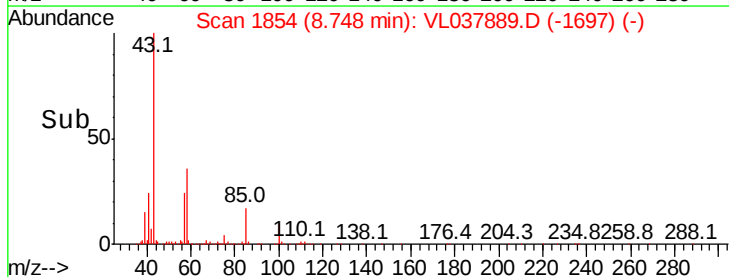
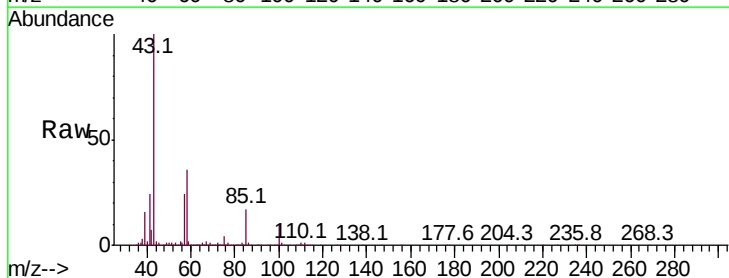
Acq: 25 Oct 2021 10:37

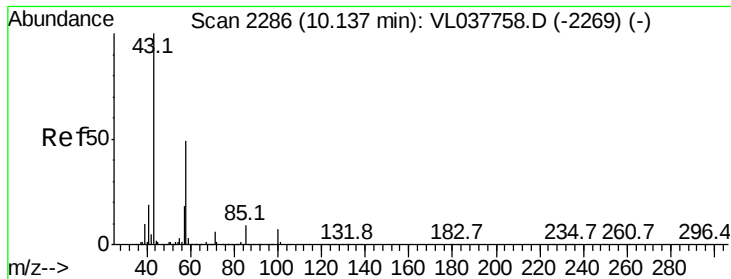
Tgt Ion: 43 Resp: 2434197

Ion Ratio Lower Upper

43 100

58 36.4 29.4 44.0



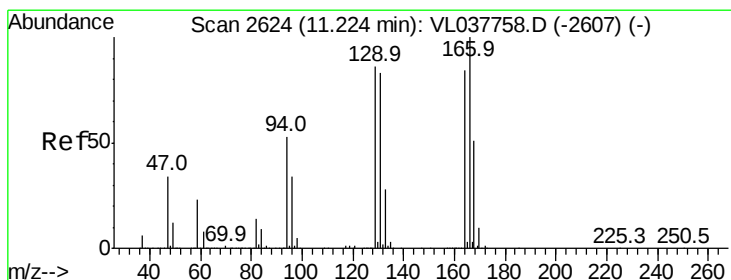
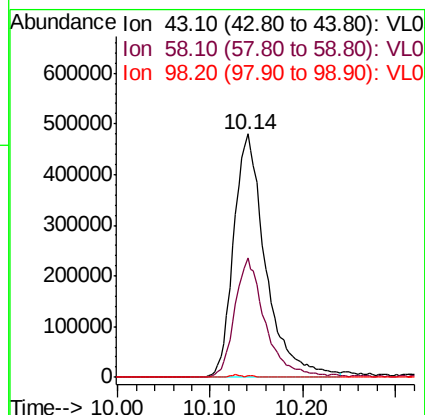
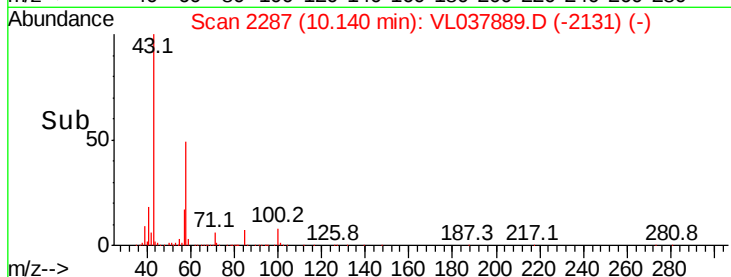
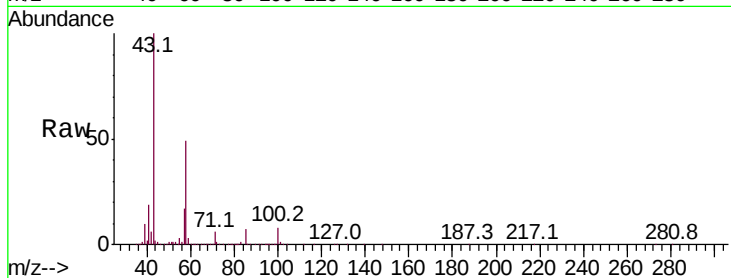


#51  
2-Hexanone  
Concen: 10.661 ppbv  
RT: 10.14 min  
Delta R.T.: 0.00 min  
Lab File: VSTDCCC010  
Acq: 25 Oct 2021 10:37

Tot Ion:  
Ion Ratio  
43 100  
58 47.1  
98 0.0

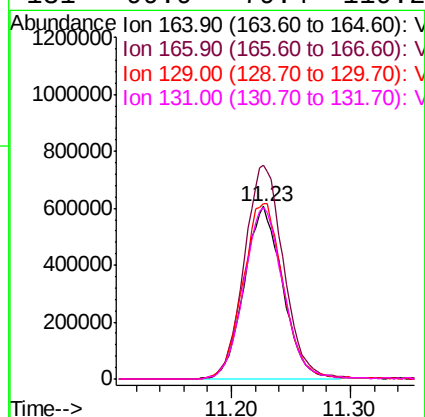
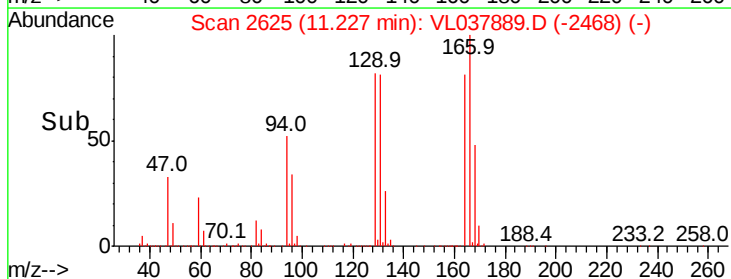
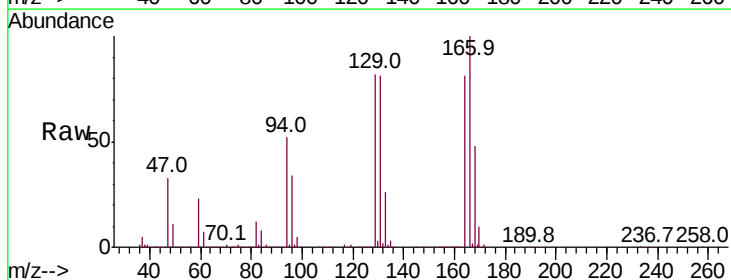
Manual Integrations  
APPROVED

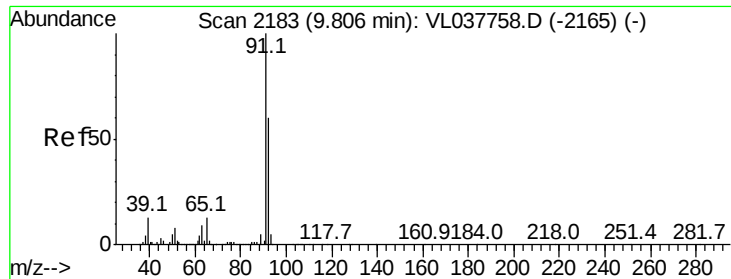
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#52  
Tetrachloroethene  
Concen: 8.840 ppbv  
RT: 11.23 min Scan# 2625  
Delta R.T.: 0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion:164 Resp: 1356045  
Ion Ratio Lower Upper  
164 100  
166 124.0 95.4 143.2  
129 101.8 82.2 123.4  
131 99.9 79.4 119.2





#53

Toluene

Concen: 9.792 ppbv

RT: 9.81 Instrument :

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37 VSTDCCC010

Tot Ion:

Ion Ratio

91 100

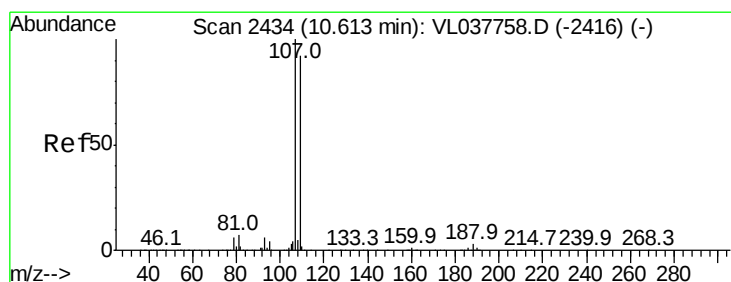
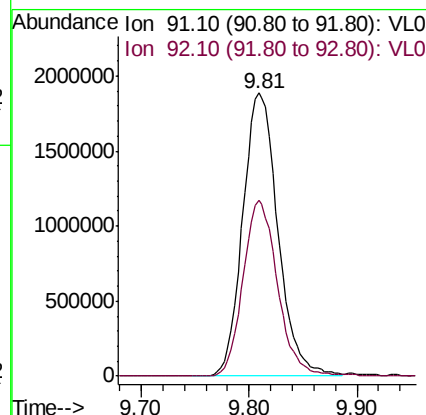
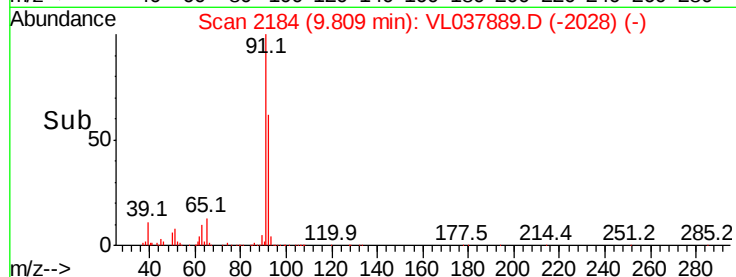
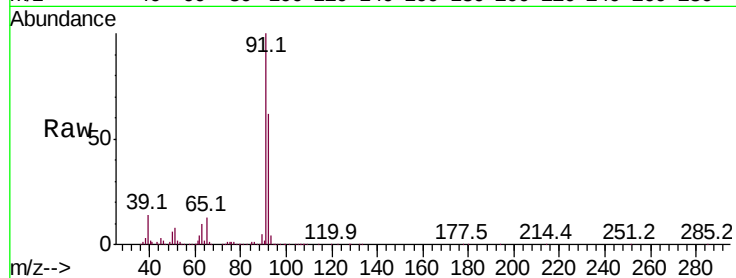
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 9.583 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037889.D

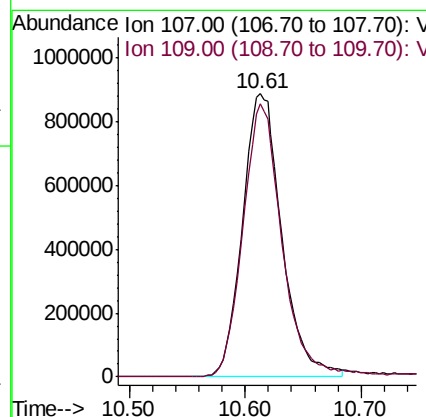
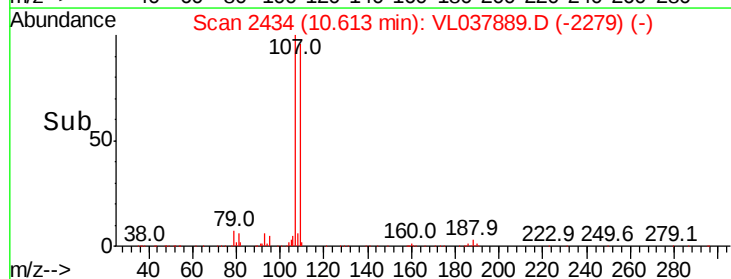
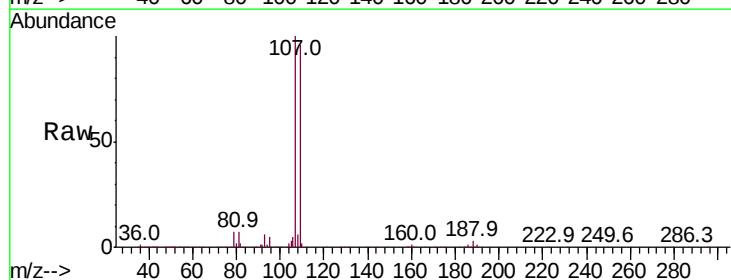
Acq: 25 Oct 2021 10:37

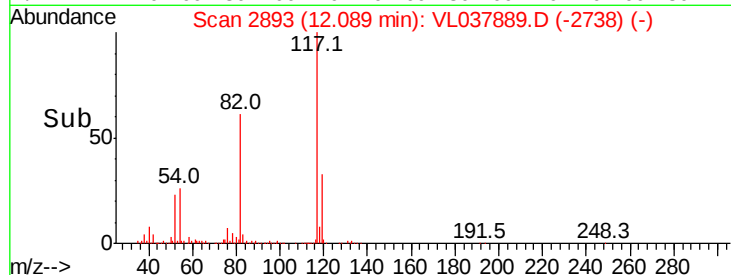
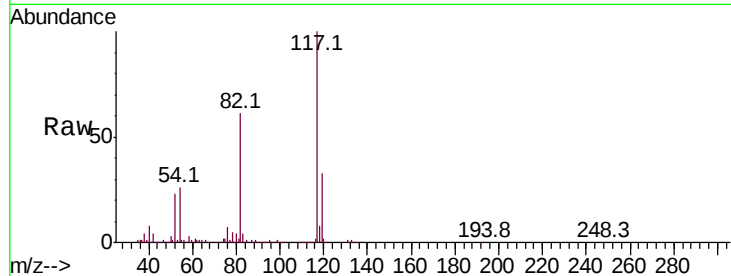
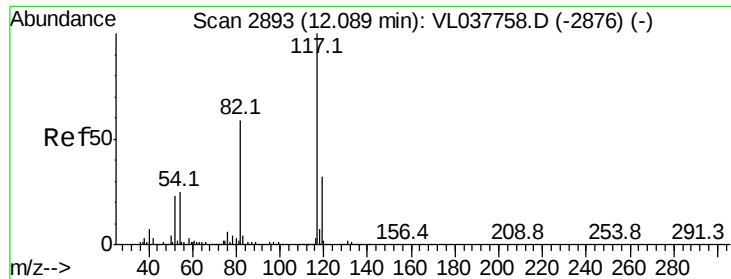
Tgt Ion:107 Resp: 2086927

Ion Ratio Lower Upper

107 100

109 96.3 73.8 110.6



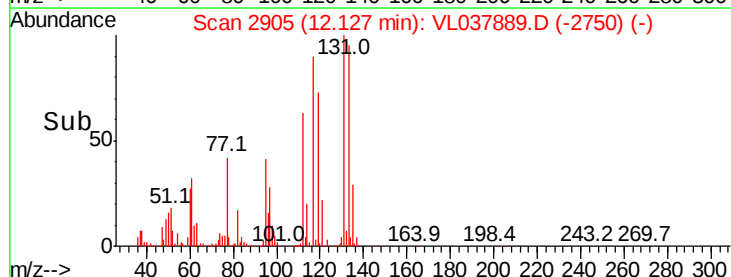
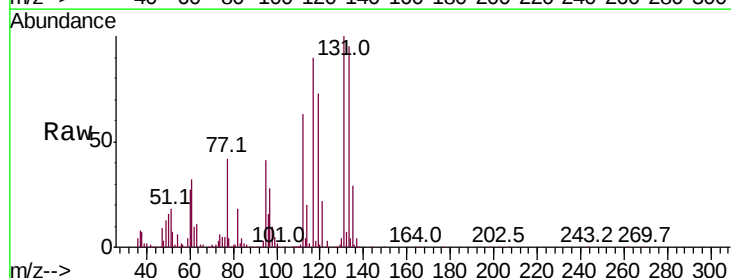
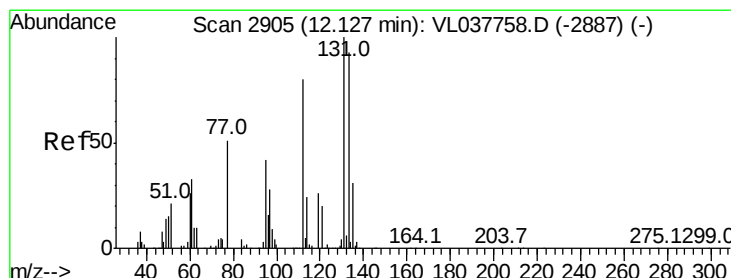
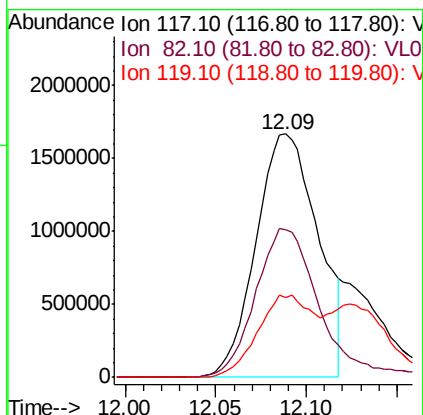


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv m  
RT: 12.09  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 10:37

Tot Ion:1  
Ion Rati  
117 100  
82 66.  
119 32.

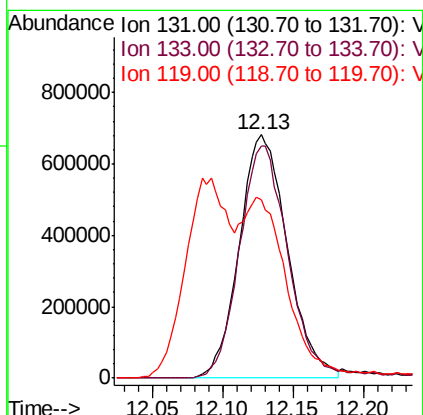
Manual Integrations  
APPROVED

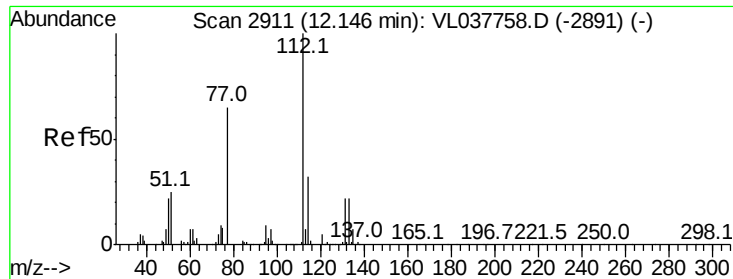
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.870 ppbv  
RT: 12.13 min Scan# 2905  
Delta R.T. -0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion:131 Resp: 1619533  
Ion Ratio Lower Upper  
131 100  
133 99.5 78.5 117.7  
119 67.0 51.7 77.5



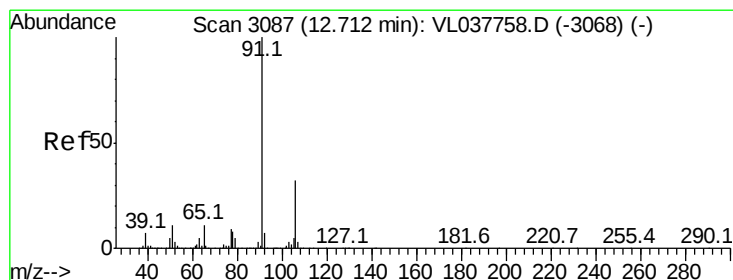
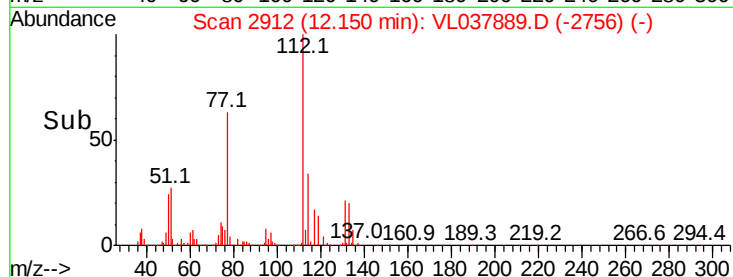
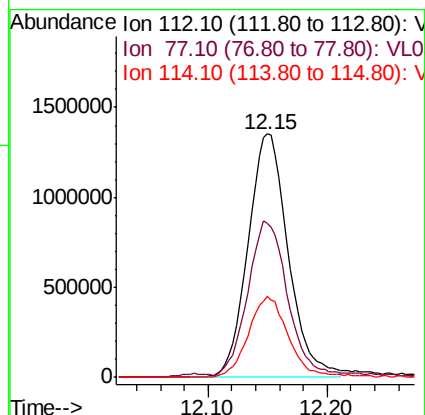
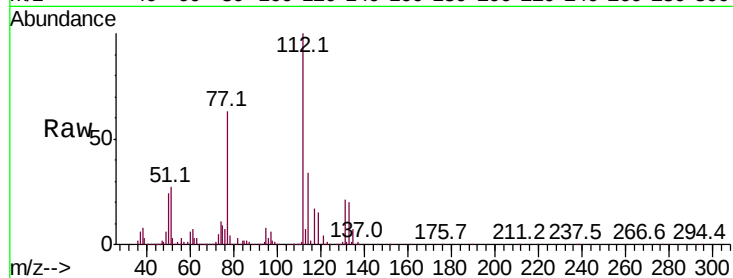


#57  
Chlorobenzene  
Concen: 9.719 ppbv  
RT: 12.15  
Instrument: MSVOA\_L  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 10:37

Tot Ion: 1  
Ion Ratio  
112 100  
77 62.  
114 33.

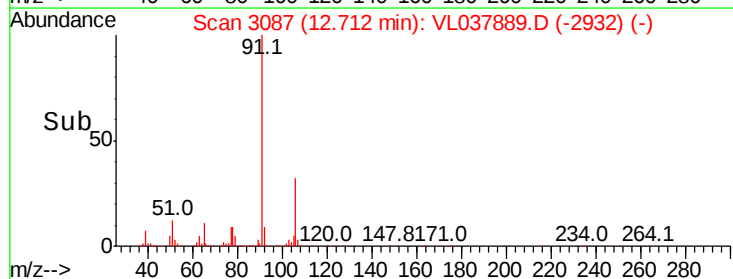
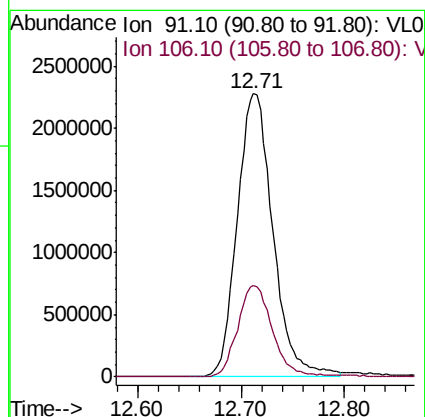
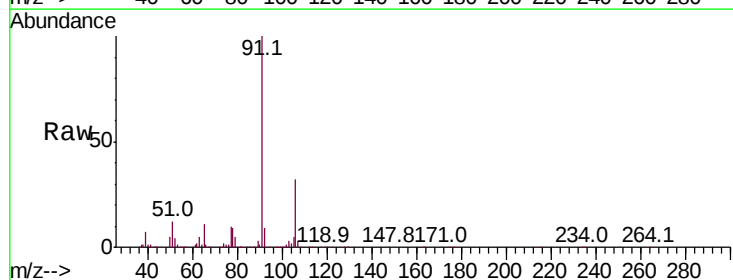
Manual Integrations  
APPROVED

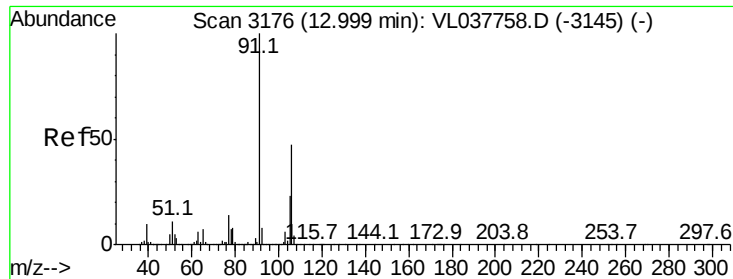
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#58  
Ethyl Benzene  
Concen: 10.315 ppbv  
RT: 12.71 min Scan# 3087  
Delta R.T. -0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 91 Resp: 5490042  
Ion Ratio Lower Upper  
91 100  
106 32.4 25.3 37.9



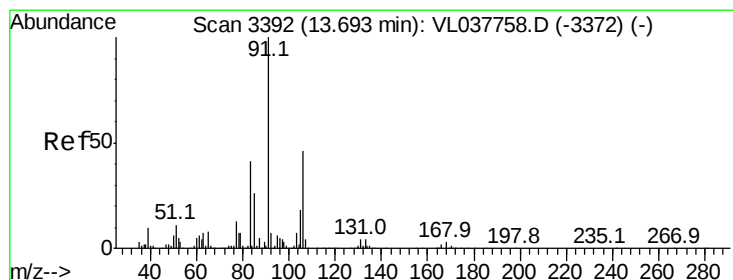
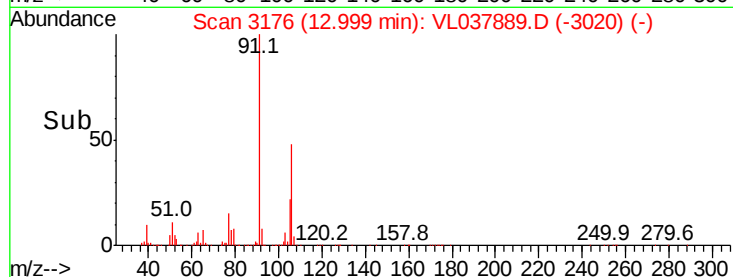
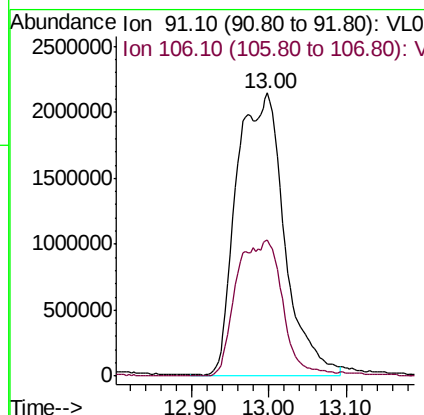
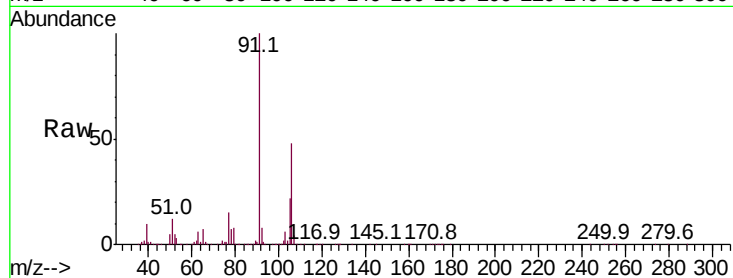


#59  
m/p-Xylene  
Concen: 20.260 ppbv m  
RT: 13.00  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 25 Oct 2021 10:37

Tot Ion:  
Ion Ratio  
91 100  
106 47.

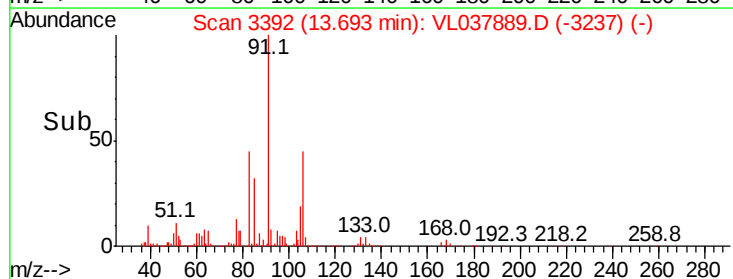
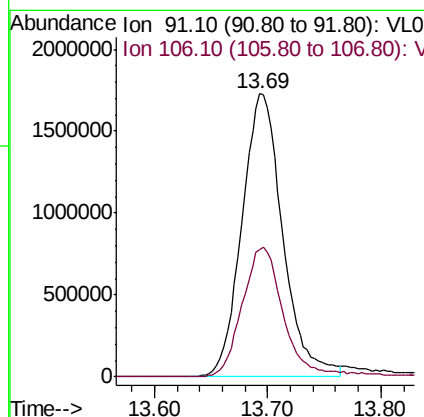
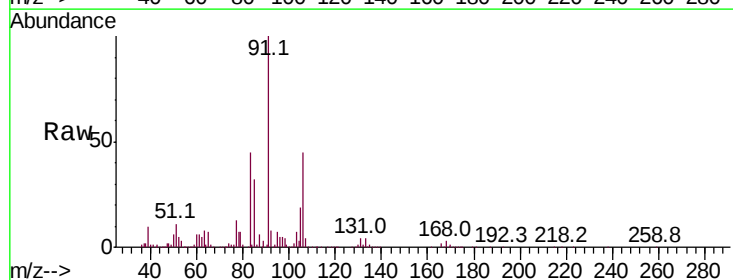
Manual Integrations  
APPROVED

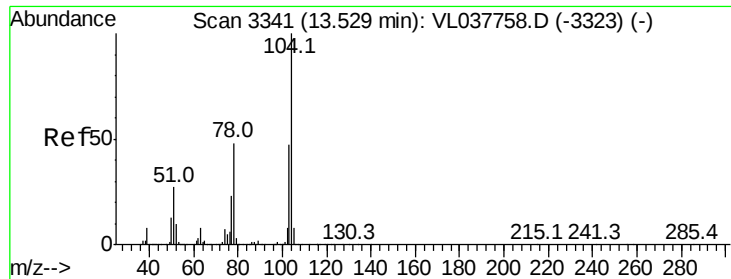
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#60  
o-Xylene  
Concen: 9.873 ppbv  
RT: 13.69 min Scan# 3392  
Delta R.T. -0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 91 Resp: 4322591  
Ion Ratio Lower Upper  
91 100  
106 47.7 23.5 70.5





#61

Stvrene

Concen: 11.265 ppbv

RT: 13.53

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

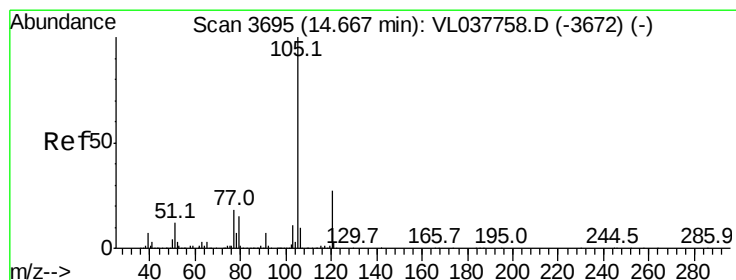
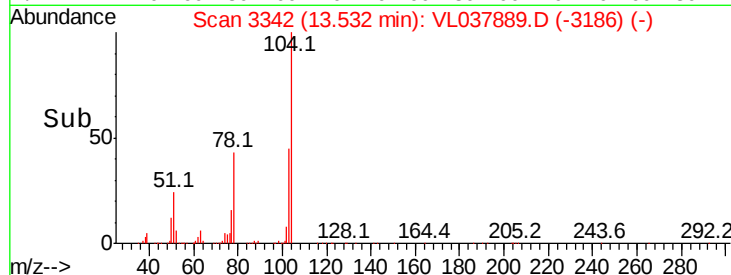
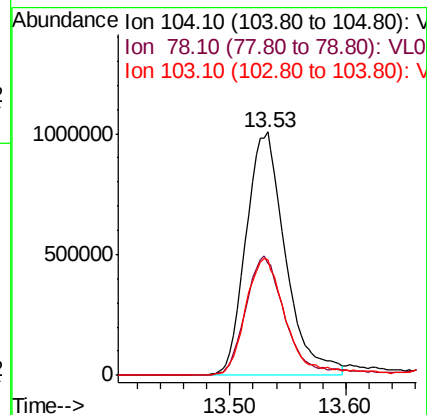
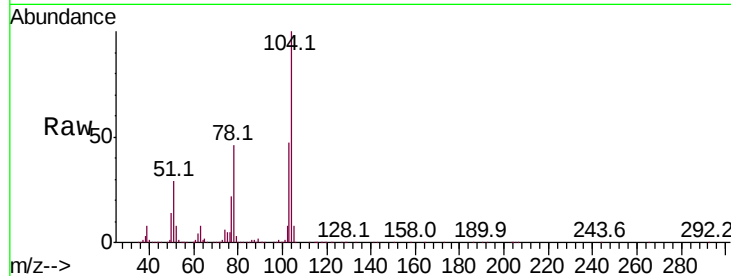
Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:1  
Ion Rati  
104 100  
78 50.  
103 50.



#62

Isopropylbenzene

Concen: 9.743 ppbv

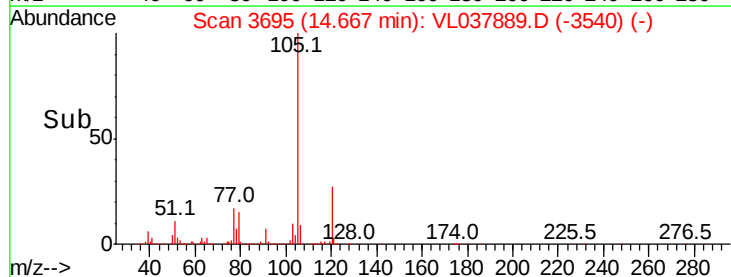
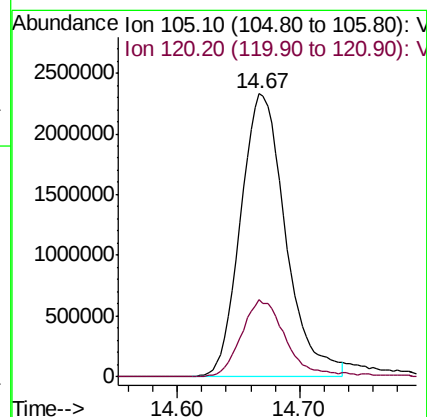
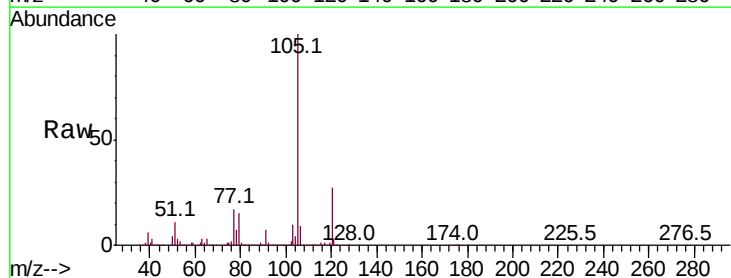
RT: 14.67 min Scan# 3695

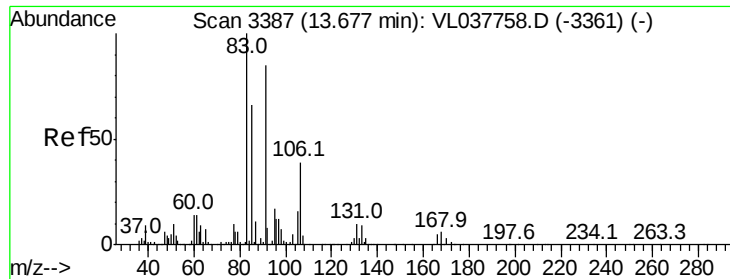
Delta R.T. -0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion:105 Resp: 5950103  
Ion Ratio Lower Upper  
105 100  
120 27.7 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 9.355 ppbv

RT: 13.68

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021

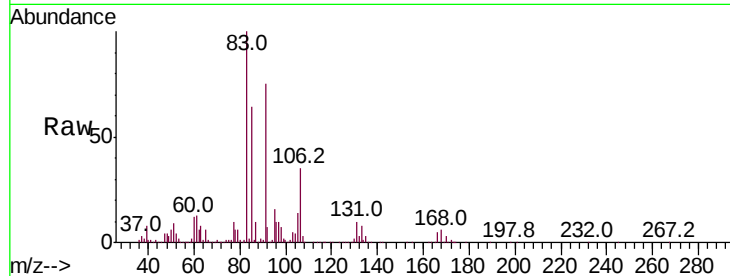
Tot Ion:

Ion Ratio

83 100

131 9.

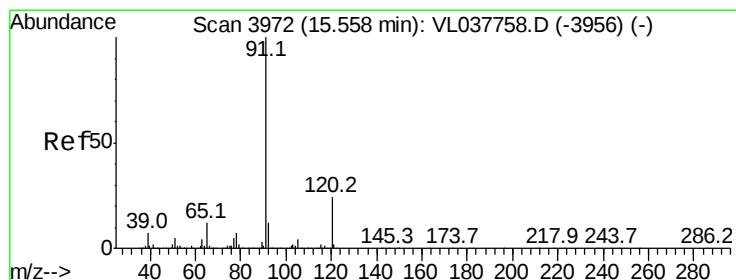
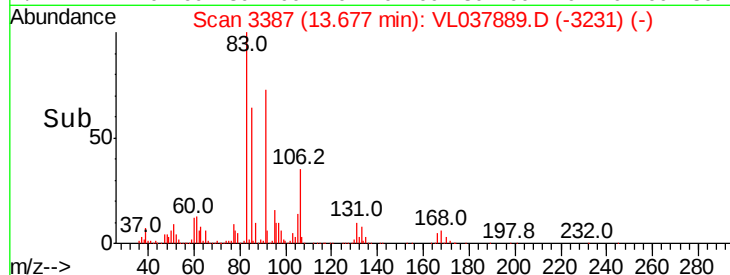
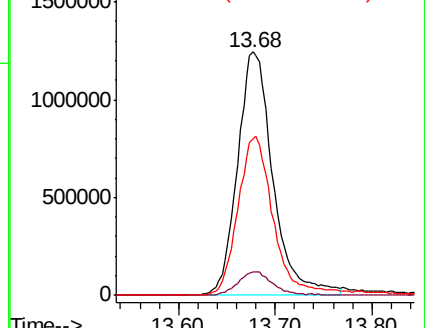
85 67.



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.591 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL037889.D

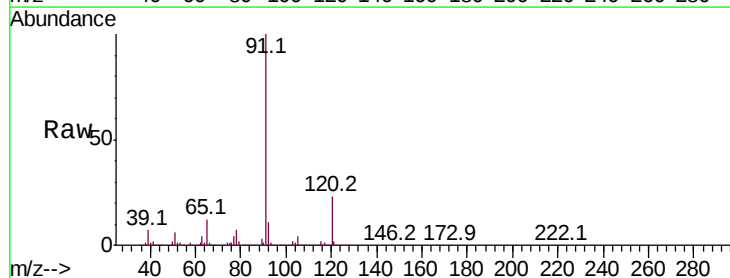
Acq: 25 Oct 2021 10:37

Tgt Ion:120 Resp: 1612946

Ion Ratio Lower Upper

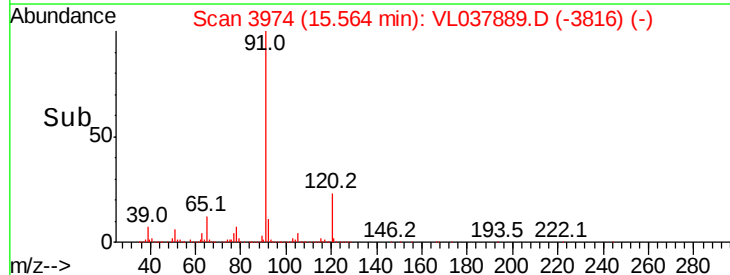
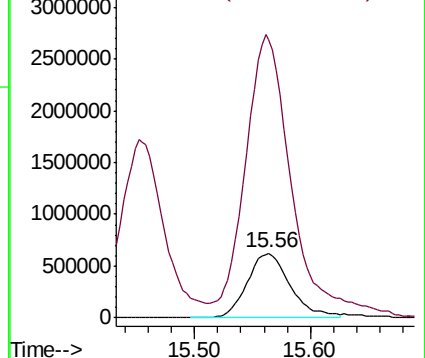
120 100

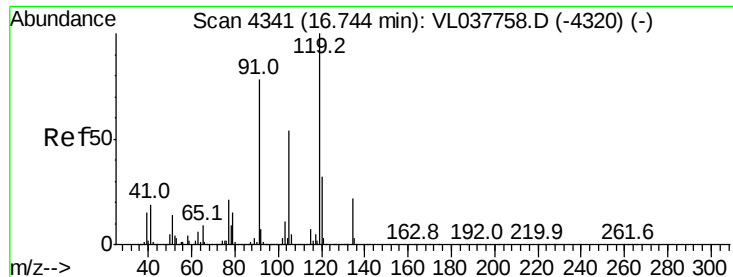
91 476.2 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



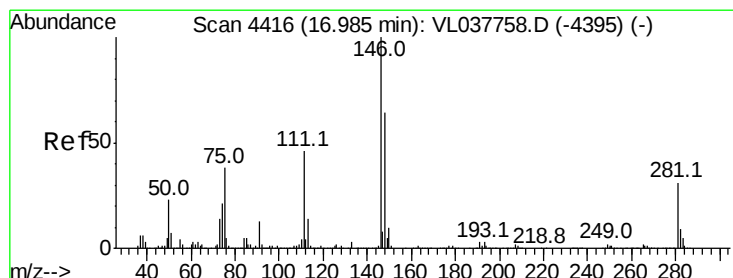
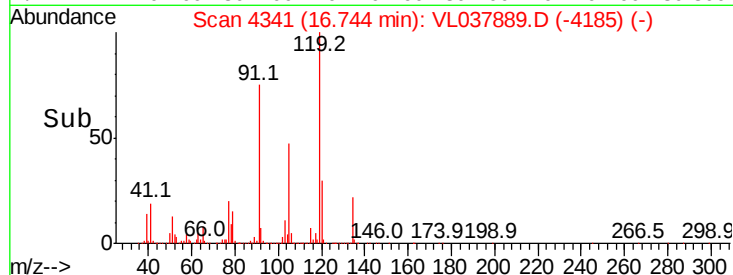
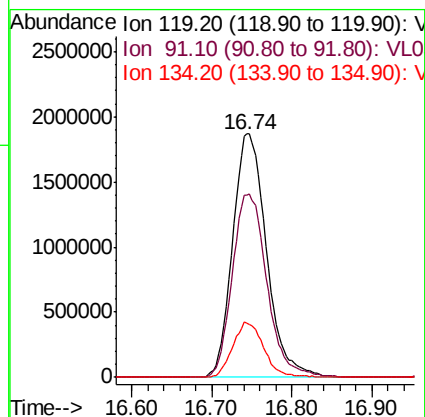
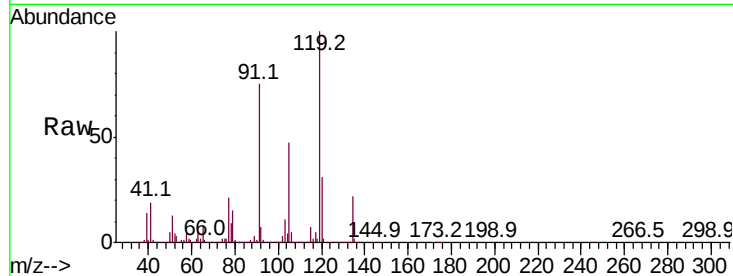


#65  
tert-Butylbenzene  
Concen: 9.946 ppbv  
RT: 16.74 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
VSTDCCC010  
Acq: 25 Oct 2021 10:37

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

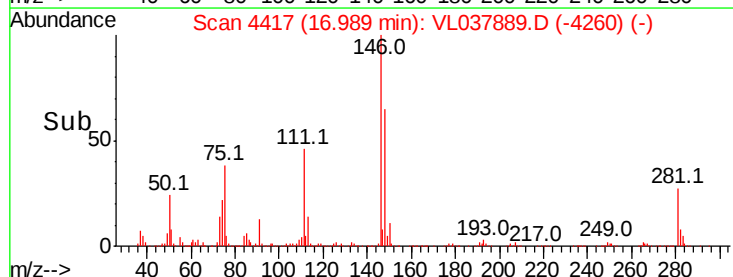
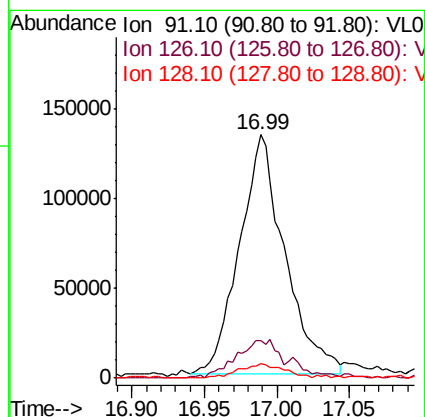
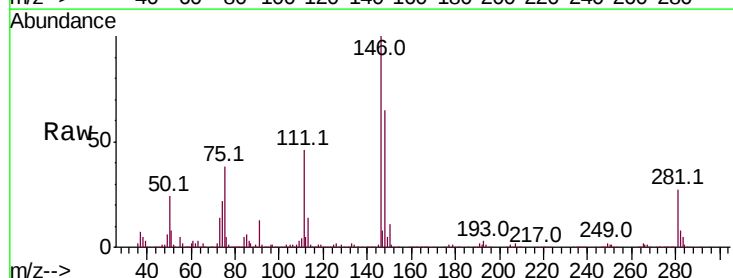
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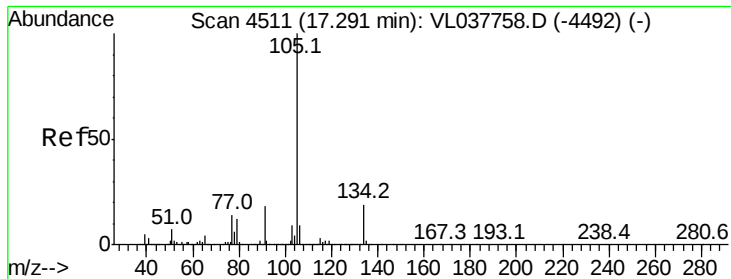
Reviewed By : Semsettin Yesilyurt 10/27/2021  
Supervised By : Mahesh Dadoda 10/27/2021



#66  
Benzyl Chloride  
Concen: 10.872 ppbv  
RT: 16.99 min Scan# 4417  
Delta R.T.: 0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion: 91 Resp: 288356  
Ion Ratio Lower Upper  
91 100  
126 19.0 0.0 0.0#  
128 6.1 5.3 7.9



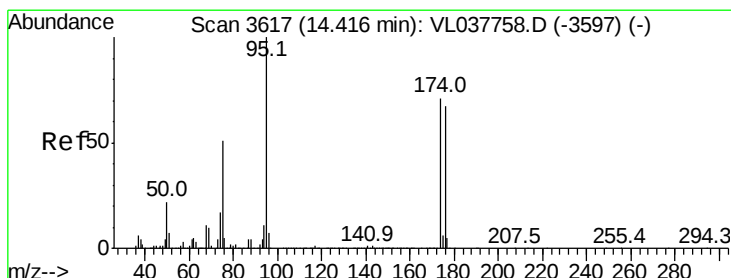
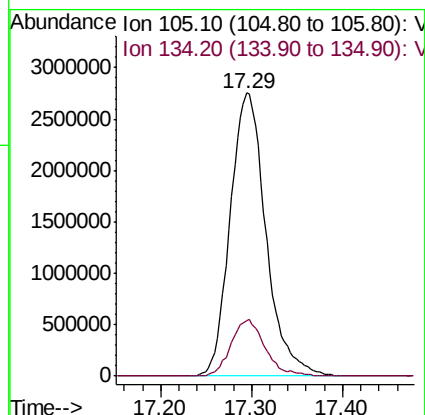
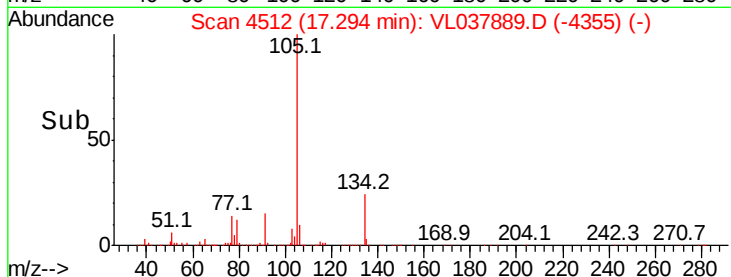
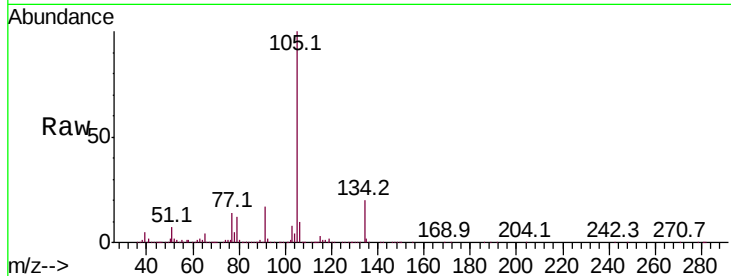


#67  
 sec-Butylbenzene  
 Concen: 10.203 ppbv  
 RT: 17.29  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion:1  
 Ion Rati  
 105 100  
 134 19.

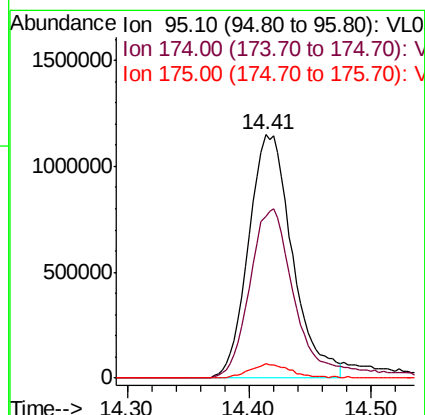
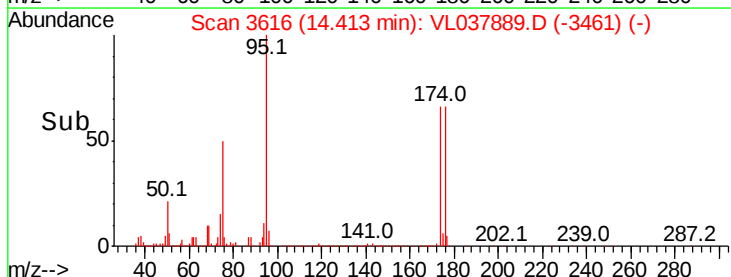
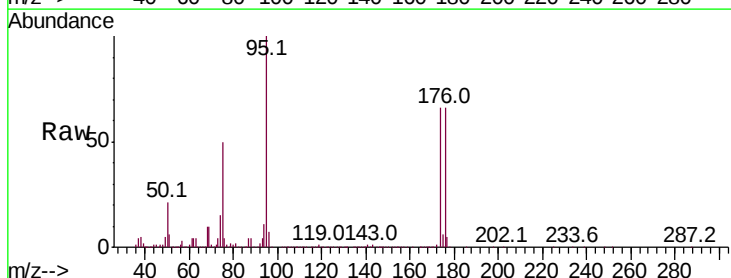
Manual Integrations  
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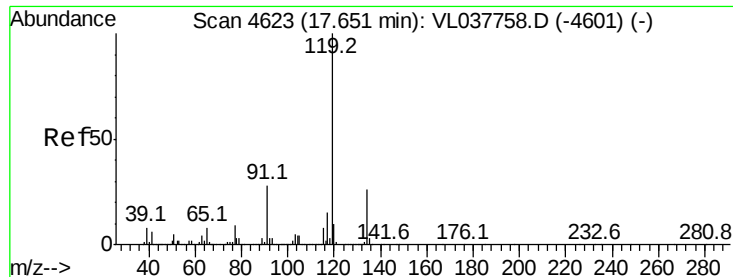
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.317 ppbv  
 RT: 14.41 min Scan# 3616  
 Delta R.T. -0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion: 95 Resp: 2859644  
 Ion Ratio Lower Upper  
 95 100  
 174 74.4 57.8 86.6  
 175 5.9 4.7 7.1



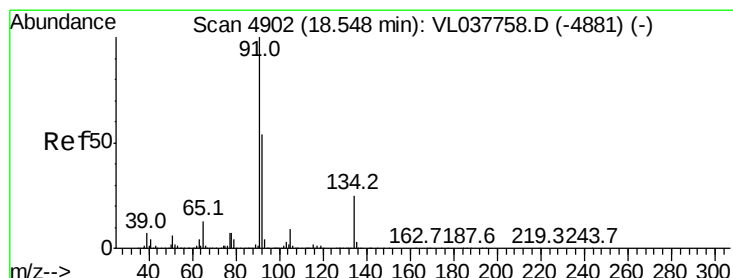
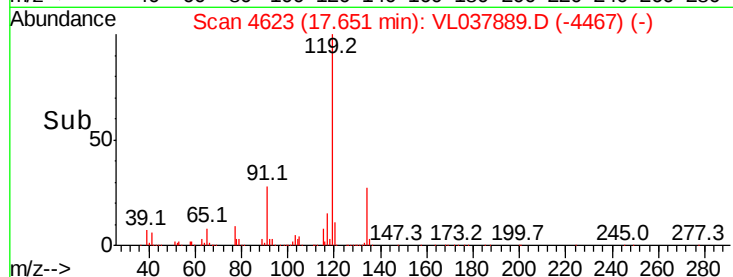
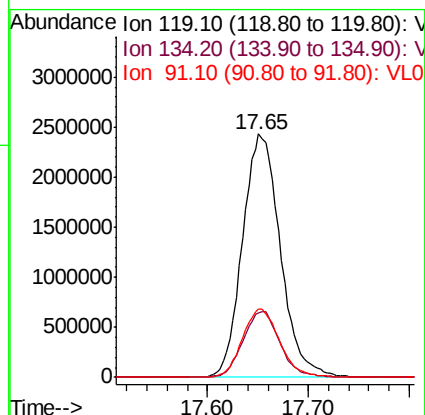
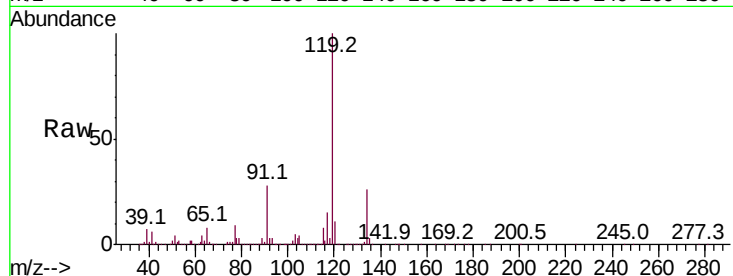


#69  
 p-Isopropyltoluene  
 Concen: 10.620 ppbv  
 RT: 17.65 min  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 25 Oct 2021 10:37

Tot Ion: 1  
 Ion Ratio  
 119 100  
 134 26.  
 91 27.

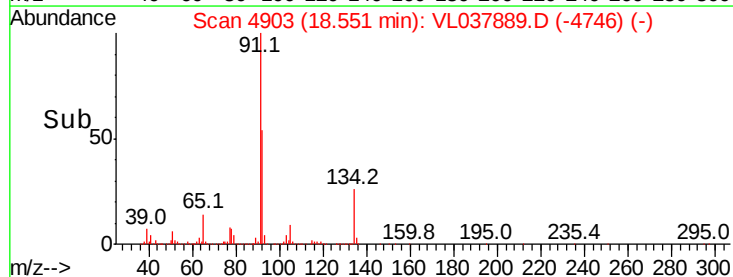
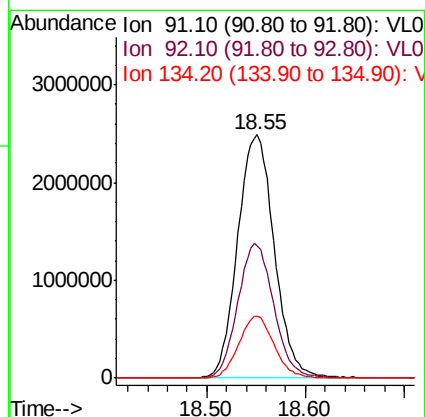
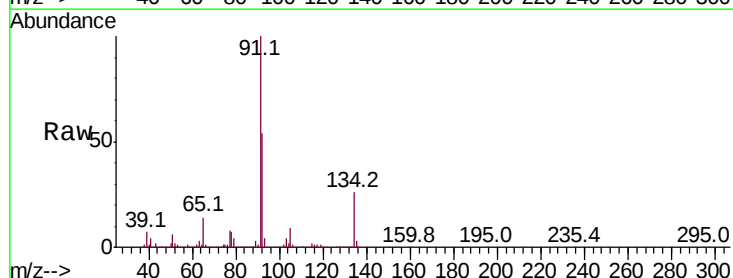
Manual Integrations  
 APPROVED

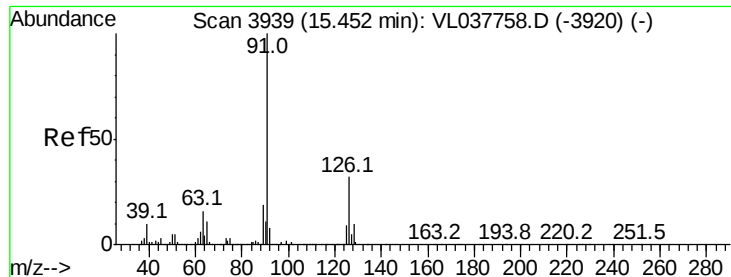
Reviewed By : Semsettin Yesilyurt 10/27/2021  
 Supervised By : Mahesh Dadoda 10/27/2021



#70  
 n-Butylbenzene  
 Concen: 11.319 ppbv  
 RT: 18.55 min Scan# 4903  
 Delta R.T.: 0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion: 91 Resp: 6389396  
 Ion Ratio Lower Upper  
 91 100  
 92 54.8 43.4 65.0  
 134 24.6 19.8 29.6





#71

2-Chlorotoluene

Concen: 10.161 ppbv

RT: 15.45

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37

Tot Ion:

Ion Ratio

91 100

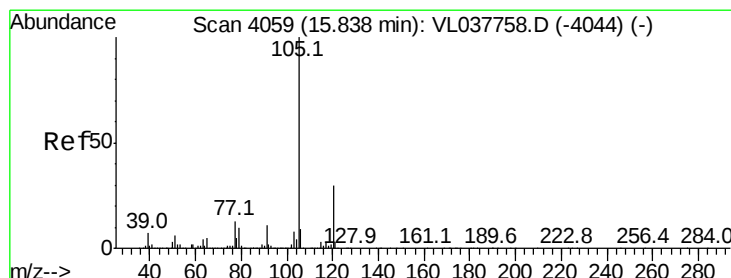
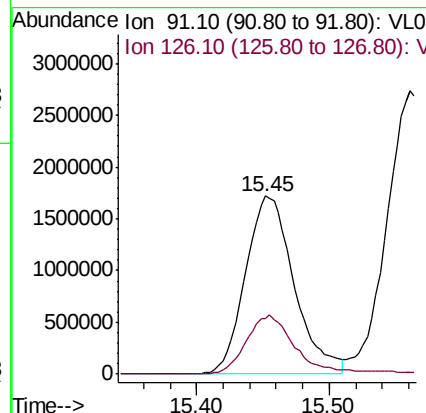
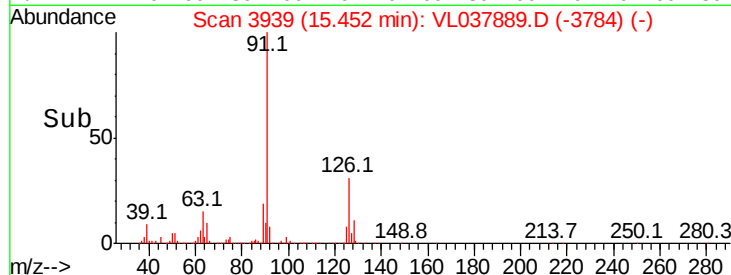
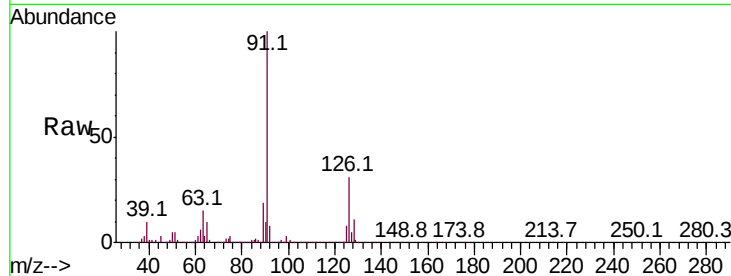
126 34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#72

4-Ethyltoluene

Concen: 10.528 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

Tgt Ion:105 Resp: 5234115

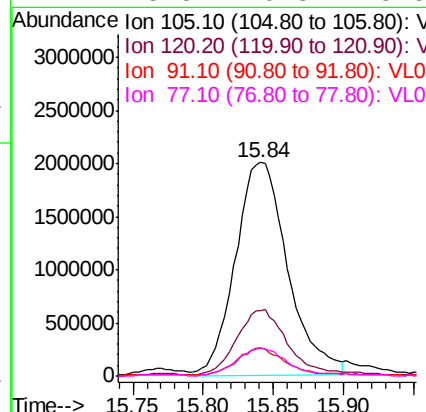
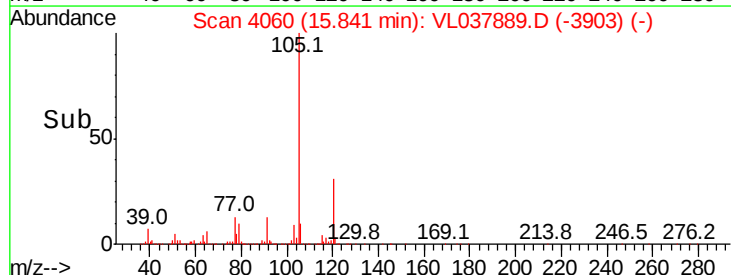
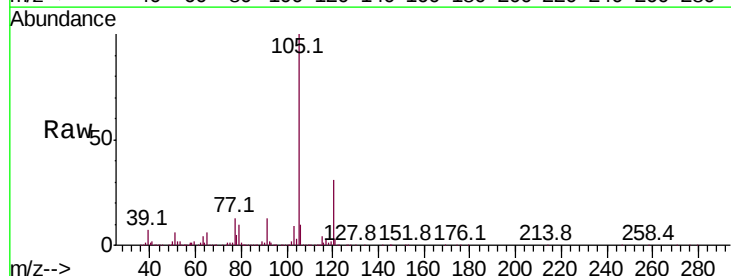
Ion Ratio Lower Upper

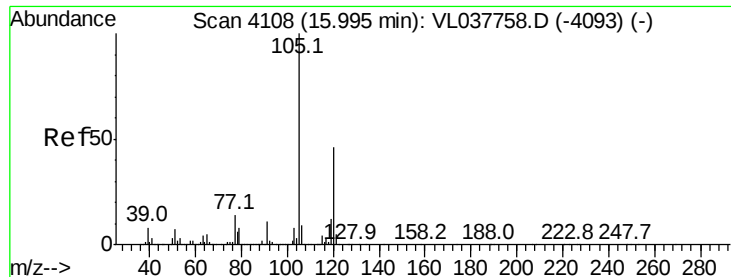
105 100

120 31.3 24.2 36.2

91 12.3 10.4 15.6

77 13.8 10.3 15.5



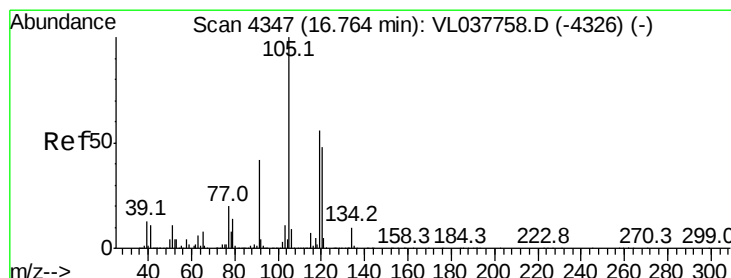
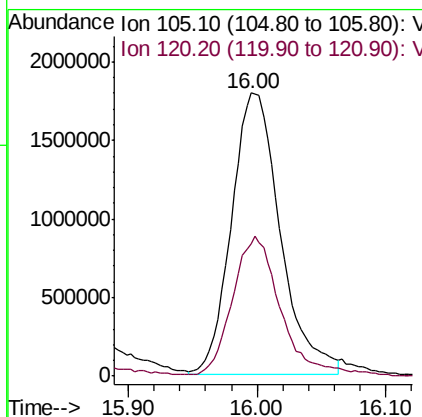
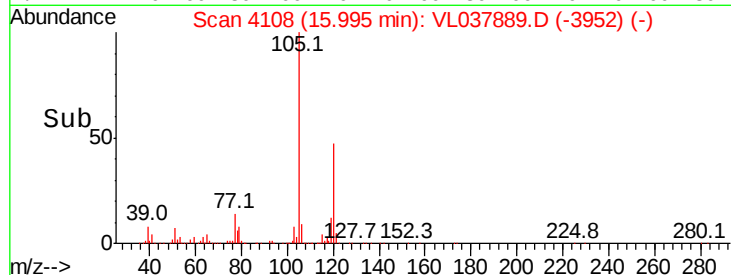
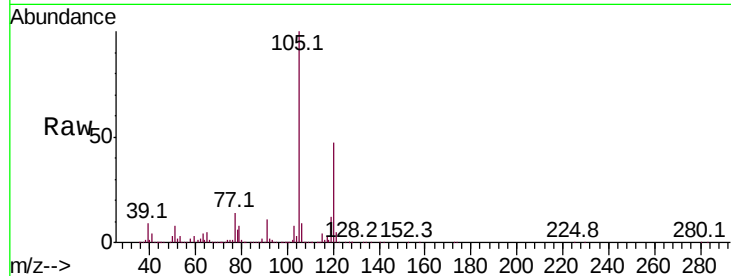


#73  
 1,3,5-Trimethylbenzene  
 Concen: 10.457 ppbv  
 RT: 16.00  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 25 Oct 2021 10:37

Tot Ion:1  
 Ion Rati  
 105 100  
 120 47.

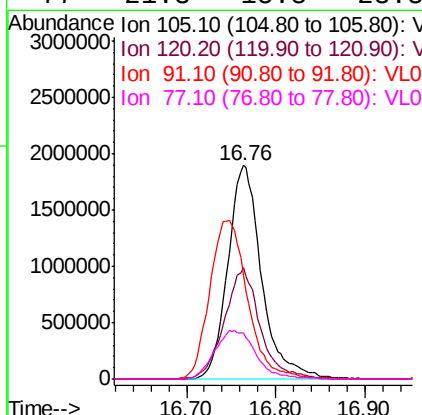
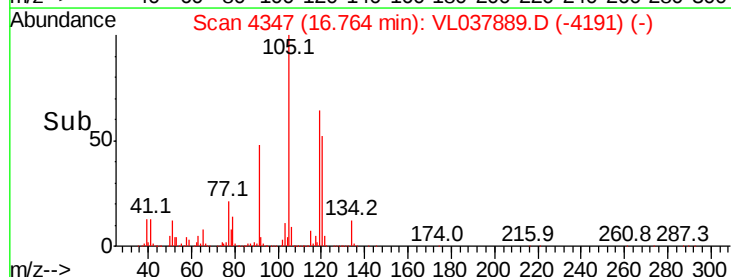
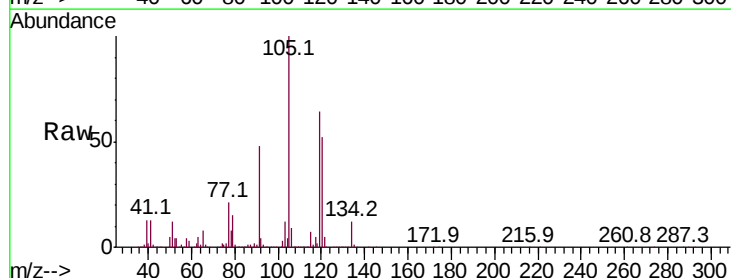
Manual Integrations  
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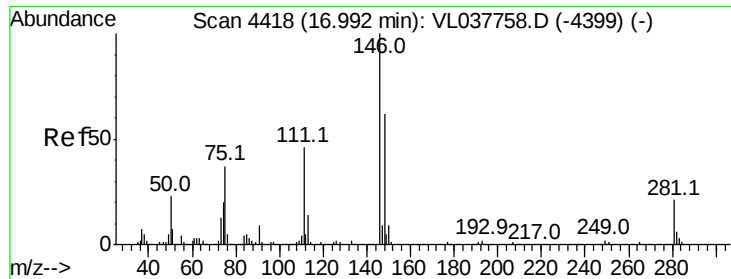
Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#74  
 1,2,4-Trimethylbenzene  
 Concen: 10.460 ppbv  
 RT: 16.76 min Scan# 4347  
 Delta R.T. -0.00 min  
 Lab File: VL037889.D  
 Acq: 25 Oct 2021 10:37

Tgt Ion:105 Resp: 4960143  
 Ion Ratio Lower Upper  
 105 100  
 120 52.2 38.4 57.6  
 91 48.2 34.2 51.2  
 77 21.3 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 10.388 ppbv

RT: 17.00 min

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 25 Oct 2021 10:37

Tot Ion:1

Ion Ratio

146 100

111 45.

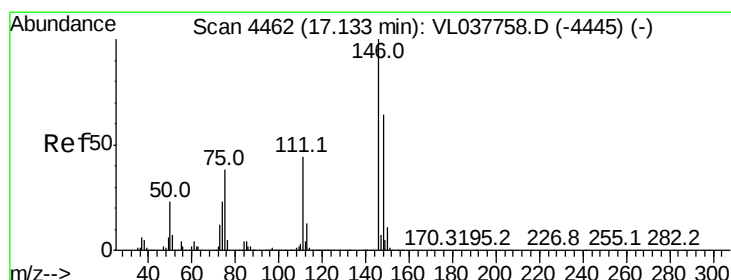
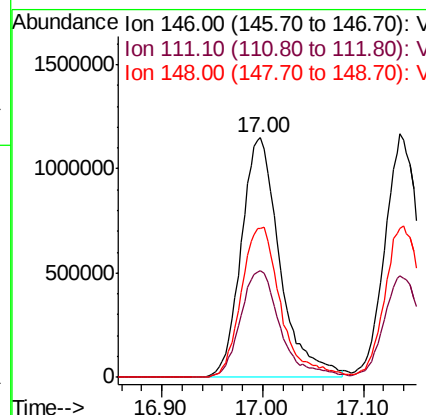
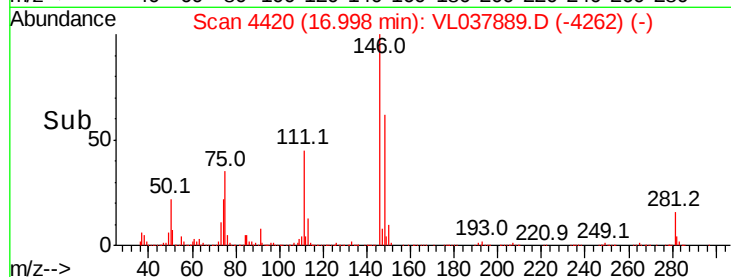
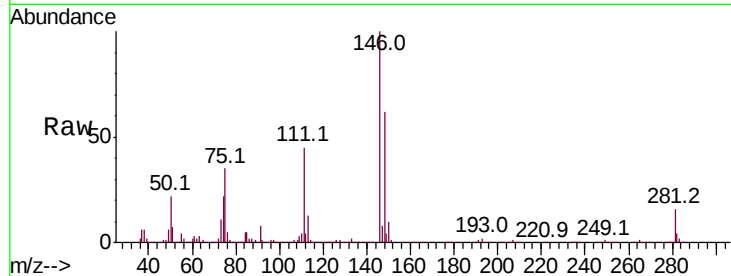
148 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/27/2021

Supervised By :Mahesh Dadoda 10/27/2021



#76

1,4-Dichlorobenzene

Concen: 10.673 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.00 min

Lab File: VL037889.D

Acq: 25 Oct 2021 10:37

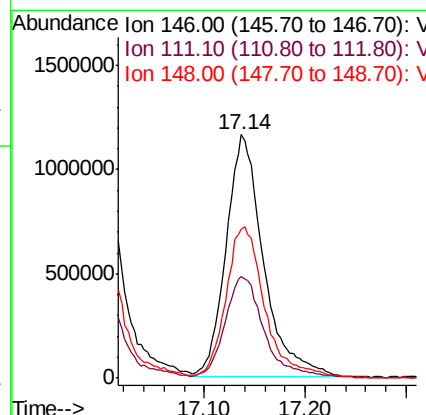
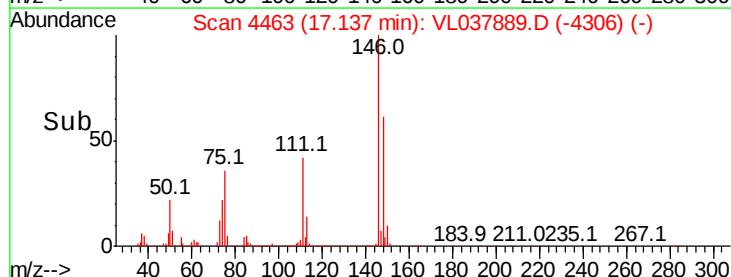
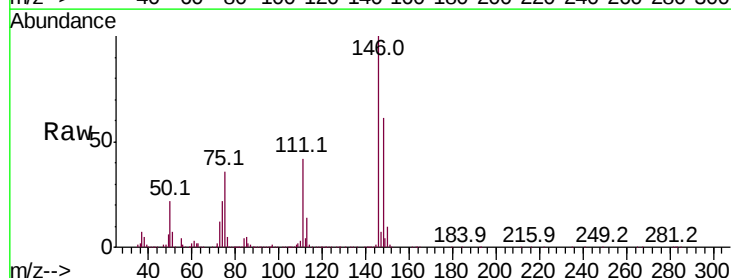
Tgt Ion:146 Resp: 2991128

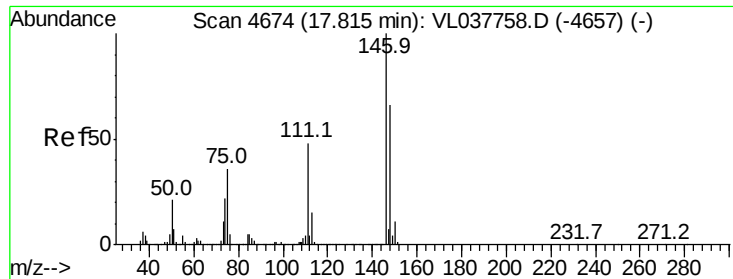
Ion Ratio Lower Upper

146 100

111 44.1 22.4 67.3

148 65.1 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 10.484 ppbv

RT: 17.82

Delta R.T. MSVOA\_L

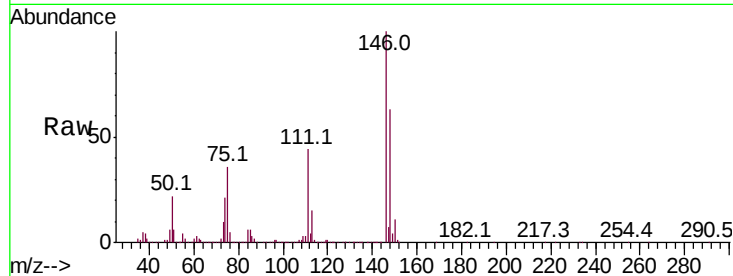
Lab File: ClientSampleId :

Acq: 25 Oct 2021 10:37

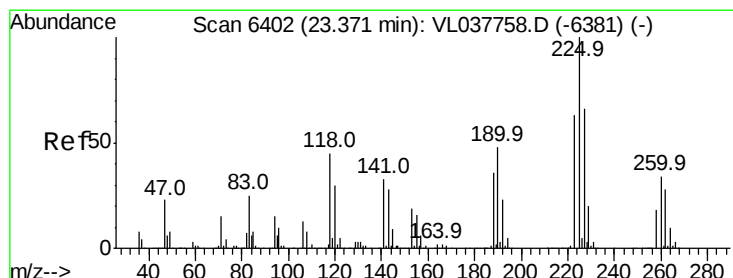
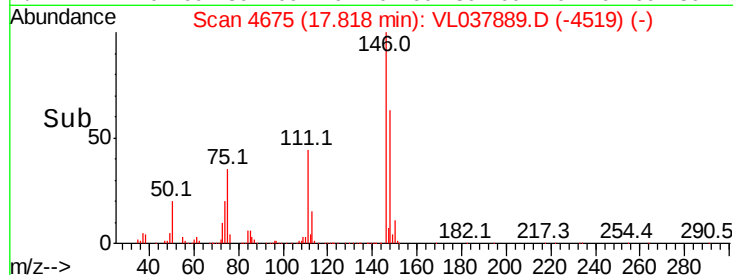
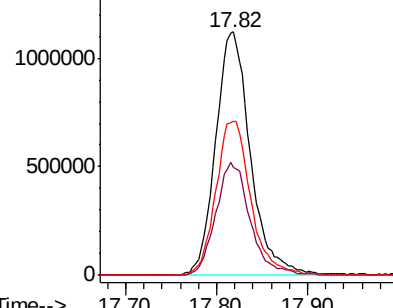
Tot Ion:1  
Ion Rati  
146 100  
111 45.  
148 63.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 146.00 (145.70 to 146.70): V  
1500000 Ion 111.10 (110.80 to 111.80): V  
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.592 ppbv

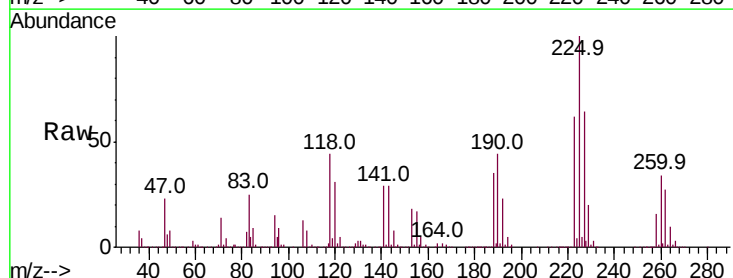
RT: 23.37 min Scan# 6403

Delta R.T. 0.00 min

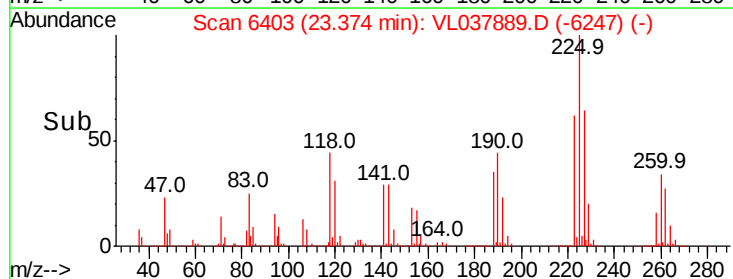
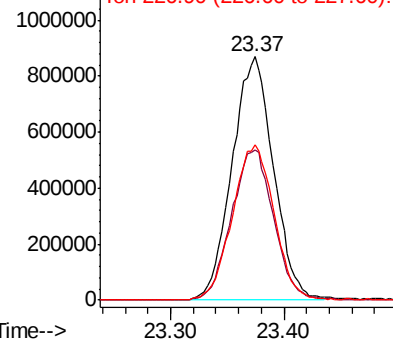
Lab File: VL037889.D

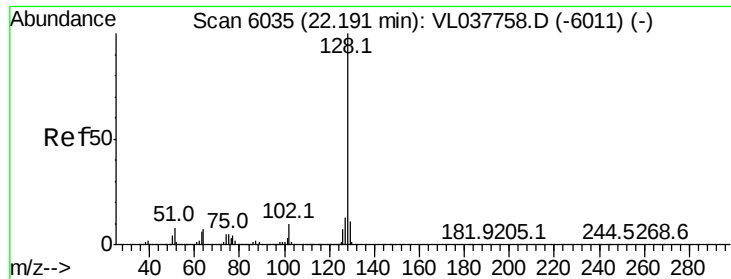
Acq: 25 Oct 2021 10:37

Tgt Ion:225 Resp: 2210326  
Ion Ratio Lower Upper  
225 100  
223 63.3 51.2 76.8  
227 64.2 51.1 76.7



Abundance Ion 224.90 (224.60 to 225.60): V  
1200000 Ion 222.90 (222.60 to 223.60): V  
Ion 226.90 (226.60 to 227.60): V



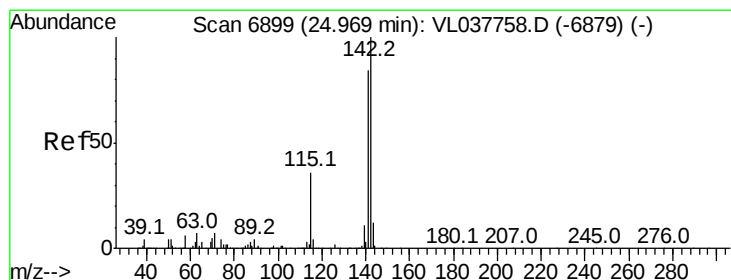
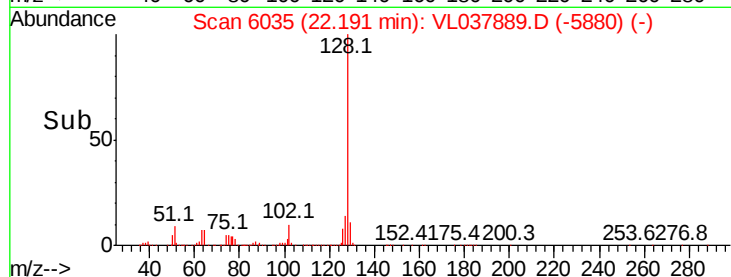
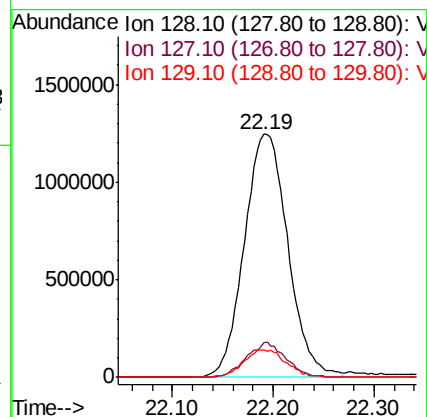


#79  
Naphthalene  
Concen: 12.871 ppbv  
RT: 22.19 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 25 Oct 2021 10:37

Tot Ion:1  
Ion Rati  
128 100  
127 14.  
129 11.

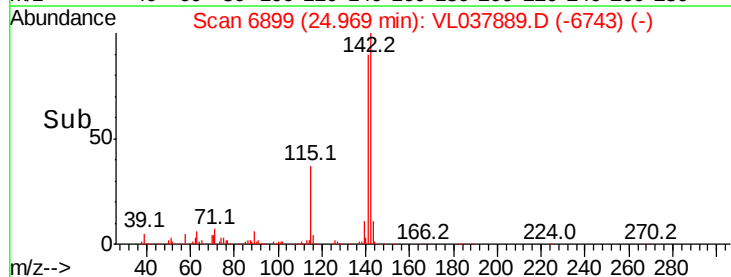
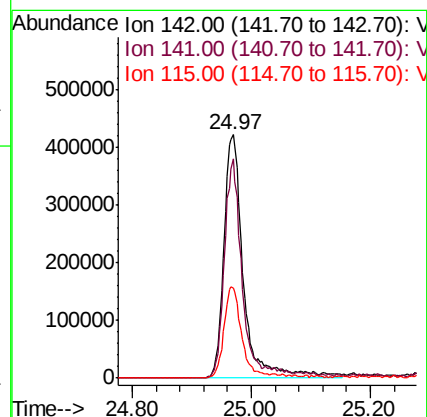
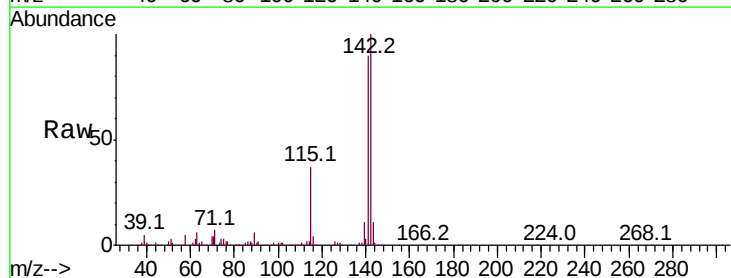
Manual Integrations  
APPROVED

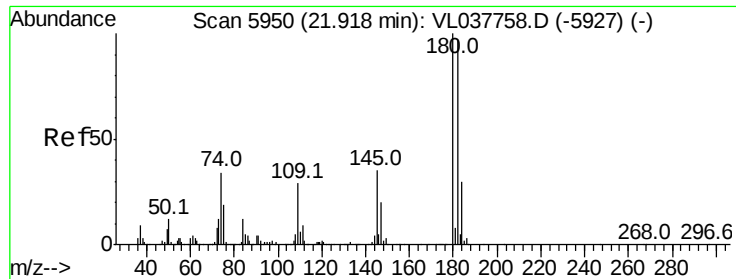
Reviewed By :Semsettin Yesilyurt 10/27/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#80  
Naphthalene, 2-methyl-  
Concen: 12.410 ppbv  
RT: 24.97 min Scan# 6899  
Delta R.T. -0.00 min  
Lab File: VL037889.D  
Acq: 25 Oct 2021 10:37

Tgt Ion:142 Resp: 967726  
Ion Ratio Lower Upper  
142 100  
141 81.9 68.6 102.8  
115 36.0 29.0 43.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 12.105 ppbv  
 RT: 21.92  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 VSTDCCC010  
 Acq: 25 Oct 2021 18:37

Tot Ion:1  
 Ion Rati  
 180 100  
 182 97.  
 184 31.

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021  
 Supervised By :Mahesh Dadoda 10/27/2021

