

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\  
 Data File : VL037856.D  
 Acq On : 18 Oct 2021 17:33  
 Operator : SY/AP  
 Sample : M4068-14 0.5 LOQ  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 LOQ-AIR-02-QT4-2021

Manual Integrations  
 APPROVED

Quant Time: Oct 19 09:16:03 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 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1270787  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3808287  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 3121429  | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2285127  | 10.47    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.70% |

#### Target Compounds

|                                |      |     |         |              | Ovalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 2) Dichlorodifluoromethane     | 3.06 | 85  | 137812  | 0.679 ppbv   | 91     |
| 3) Chlorodifluoromethane       | 3.00 | 51  | 140009  | 0.573 ppbv   | 99     |
| 4) Chloromethane               | 3.15 | 50  | 50780   | 0.568 ppbv   | 98     |
| 5) Vinyl Chloride              | 3.27 | 62  | 46139   | 0.563 ppbv   | 99     |
| 6) Bromomethane                | 3.48 | 94  | 27338m  | 0.616 ppbv   |        |
| 7) Chloroethane                | 3.57 | 64  | 18078m  | 0.600 ppbv   |        |
| 8) Dichlorotetrafluoroethane   | 3.20 | 85  | 111418  | 0.555 ppbv   | 92     |
| 9) Propene                     | 3.02 | 41  | 47804m  | 0.532 ppbv   |        |
| 10) Heptane                    | 8.13 | 43  | 89735m  | 0.440 ppbv   |        |
| 11) Trichlorofluoromethane     | 3.96 | 101 | 98562   | 0.544 ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49 | 101 | 77100   | 0.562 ppbv   | 97     |
| 13) Ethanol                    | 3.63 | 45  | 8582m   | 1.168 ppbv   |        |
| 14) Bromoethene                | 3.75 | 108 | 29994   | 0.497 ppbv # | 89     |
| 15) Acetone                    | 3.87 | 43  | 74958m  | 0.657 ppbv   |        |
| 16) 1,3-Butadiene              | 3.33 | 39  | 47434m  | 0.571 ppbv   |        |
| 17) tert-Butyl alcohol         | 4.32 | 59  | 66447m  | 0.566 ppbv   |        |
| 18) 1,1-Dichloroethene         | 4.29 | 96  | 35089m  | 0.563 ppbv   |        |
| 19) Isopropyl Alcohol          | 4.00 | 45  | 38858m  | 0.548 ppbv   |        |
| 20) Methylene Chloride         | 4.35 | 84  | 53723m  | 0.932 ppbv   |        |
| 21) Allyl Chloride             | 4.42 | 41  | 55373m  | 0.548 ppbv   |        |
| 22) trans-1,2-Dichloroethene   | 4.89 | 96  | 36445m  | 0.581 ppbv   |        |
| 23) Vinyl Acetate              | 5.09 | 43  | 101883m | 0.596 ppbv   |        |
| 24) 1,1-Dichloroethane         | 5.02 | 63  | 75225m  | 0.604 ppbv   |        |
| 25) Ethyl Acetate              | 5.70 | 43  | 175049m | 0.547 ppbv   |        |
| 26) Hexane                     | 5.70 | 57  | 78277   | 0.497 ppbv # | 89     |
| 27) Carbon Disulfide           | 4.56 | 76  | 65383   | 0.468 ppbv # | 90     |
| 28) Methyl tert-Butyl Ether    | 5.05 | 73  | 72382m  | 0.552 ppbv   |        |
| 29) Chloroform                 | 5.75 | 83  | 125448  | 0.557 ppbv   | 86     |
| 30) Cyclohexane                | 7.13 | 84  | 69412m  | 0.519 ppbv   |        |
| 31) cis-1,2-Dichloroethene     | 5.56 | 61  | 68192m  | 0.477 ppbv   |        |
| 32) 1,1,1-Trichloroethane      | 6.52 | 97  | 109252  | 0.511 ppbv   | 96     |
| 34) 2-Butanone                 | 5.27 | 43  | 76305m  | 0.496 ppbv   |        |
| 35) Carbon Tetrachloride       | 7.02 | 117 | 104388  | 0.483 ppbv   | 93     |
| 36) Benzene                    | 6.89 | 78  | 147405  | 0.453 ppbv   | 92     |
| 37) 1,2-Dichloroethane         | 6.31 | 62  | 79663m  | 0.520 ppbv   |        |
| 38) Trichloroethene            | 7.83 | 130 | 64334m  | 0.501 ppbv   |        |
| 39) 1,2-Dichloropropane        | 7.62 | 63  | 62563m  | 0.511 ppbv   |        |
| 40) 1,4-Dioxane                | 7.89 | 88  | 16064m  | 0.525 ppbv   |        |
| 41) Tetrahydrofuran            | 6.09 | 42  | 31797m  | 0.422 ppbv   |        |
| 42) Bromodichloromethane       | 7.79 | 83  | 114435m | 0.509 ppbv   |        |
| 43) Methyl Methacrylate        | 8.03 | 69  | 41525m  | 0.391 ppbv   |        |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\  
 Data File : VL037856.D  
 Acq On : 18 Oct 2021 17:33  
 Operator : SY/AP  
 Sample : M4068-14 0.5 LOQ  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 LOQ-AIR-02-QT4-2021

Manual Integrations  
 APPROVED

Quant Time: Oct 19 09:16:03 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 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|-------|--------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.88  | 57   | 253351   | 0.464 | ppbv   | 92       |
| 45) t-1,3-Dichloropropene     | 9.29  | 75   | 24799m   | 0.339 | ppbv   |          |
| 46) cis-1,3-Dichloropropene   | 8.70  | 75   | 41084m   | 0.405 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 9.48  | 97   | 66470m   | 0.500 | ppbv   |          |
| 48) Dibromochloromethane      | 10.31 | 129  | 81105m   | 0.428 | ppbv   |          |
| 49) Bromoform                 | 13.05 | 173  | 59648m   | 0.411 | ppbv   |          |
| 50) 4-Methyl-2-Pentanone      | 8.78  | 43   | 73376m   | 0.367 | ppbv   |          |
| 51) 2-Hexanone                | 10.17 | 43   | 30558m   | 0.342 | ppbv   |          |
| 52) Tetrachloroethene         | 11.23 | 164  | 54881    | 0.434 | ppbv   | 95       |
| 53) Toluene                   | 9.81  | 91   | 141675   | 0.393 | ppbv   | 96       |
| 54) 1,2-Dibromoethane         | 10.61 | 107  | 76552    | 0.426 | ppbv   | 81       |
| 56) 1,1,1,2-Tetrachloroethane | 12.12 | 131  | 71439m   | 0.553 | ppbv   |          |
| 57) Chlorobenzene             | 12.15 | 112  | 139948   | 0.547 | ppbv # | 86       |
| 58) Ethyl Benzene             | 12.72 | 91   | 169531   | 0.404 | ppbv   | 99       |
| 59) m/p-Xylene                | 13.00 | 91   | 336758m  | 0.936 | ppbv   |          |
| 60) o-Xylene                  | 13.70 | 91   | 153568   | 0.445 | ppbv   | 96       |
| 61) Styrene                   | 13.54 | 104  | 48172    | 0.289 | ppbv   | 90       |
| 62) Isopropylbenzene          | 14.67 | 105  | 243980m  | 0.507 | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 13.69 | 83   | 150345m  | 0.565 | ppbv   |          |
| 64) n-propylbenzene           | 15.57 | 120  | 58608m   | 0.489 | ppbv   |          |
| 65) tert-Butylbenzene         | 16.75 | 119  | 206759m  | 0.489 | ppbv   |          |
| 66) Benzyl Chloride           | 17.01 | 91   | 9668m    | 0.463 | ppbv   |          |
| 67) sec-Butylbenzene          | 17.29 | 105  | 288302   | 0.498 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 17.65 | 119  | 216001m  | 0.462 | ppbv   |          |
| 70) n-Butylbenzene            | 18.55 | 91   | 187865   | 0.423 | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 15.46 | 91   | 153695m  | 0.453 | ppbv   |          |
| 72) 4-Ethyltoluene            | 15.84 | 105  | 176355m  | 0.450 | ppbv   |          |
| 73) 1,3,5-Trimethylbenzene    | 16.00 | 105  | 172872m  | 0.486 | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene    | 16.76 | 105  | 184316   | 0.494 | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 17.00 | 146  | 124669m  | 0.539 | ppbv   |          |
| 76) 1,4-Dichlorobenzene       | 17.14 | 146  | 102751   | 0.466 | ppbv   | 91       |
| 77) 1,2-Dichlorobenzene       | 17.82 | 146  | 116632m  | 0.525 | ppbv   |          |
| 78) Hexachloro-1,3-Butadiene  | 23.38 | 225  | 116599m  | 0.643 | ppbv   |          |
| 79) Naphthalene               | 22.21 | 128  | 72589m   | 0.317 | ppbv   |          |
| 80) Naphthalene,2-methyl-     | 24.96 | 142  | 7736     | 0.126 | ppbv   | 90       |
| 81) 1,2,4-Trichlorobenzene    | 21.93 | 180  | 62602m   | 0.428 | ppbv   |          |

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

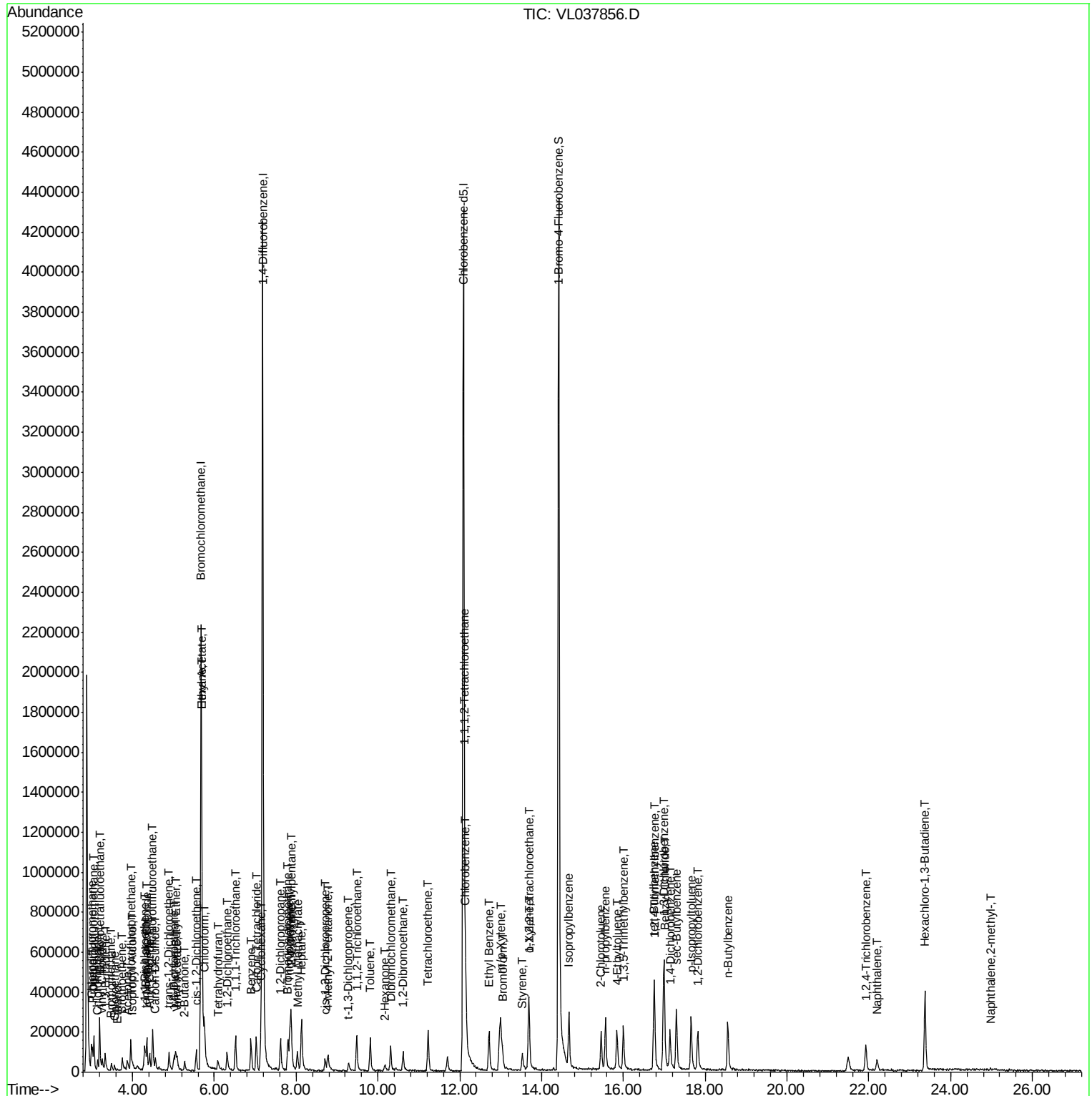
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Data File : VL037856.D  
Acq On : 18 Oct 2021 17:33  
Operator : SY/AP  
Sample : M4068-14 0.5 LOQ  
Misc : 400mL/MSVOA L  
ALS Vial : 1 Sample Multiplier: 1

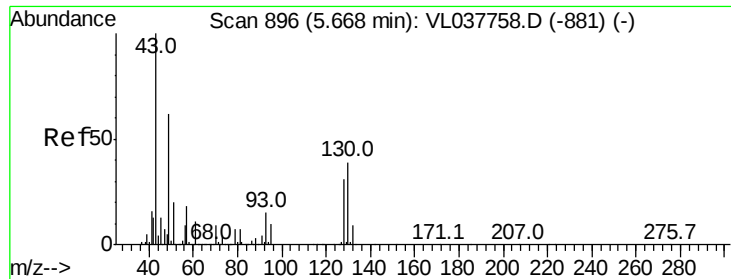
Instrument :  
MSVOA\_L  
ClientSampleId :  
LOQ-AIR-02-QT4-2021

Quant Time: Oct 19 09:16:03 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

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

49 100

128 53.

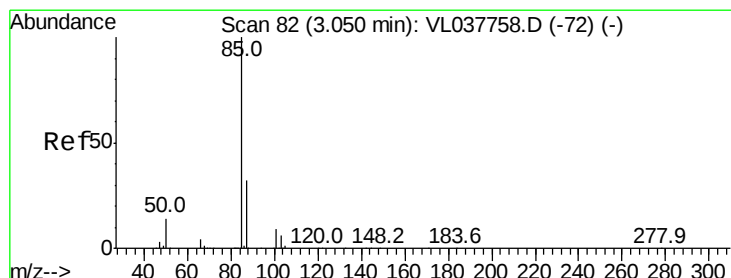
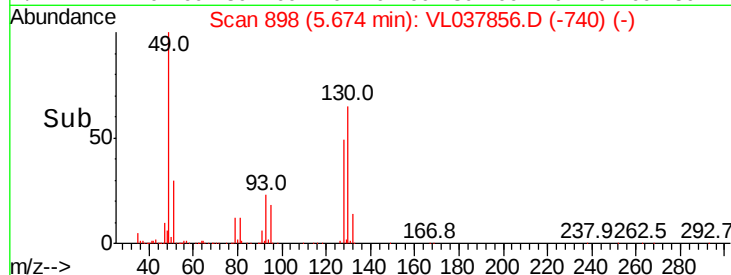
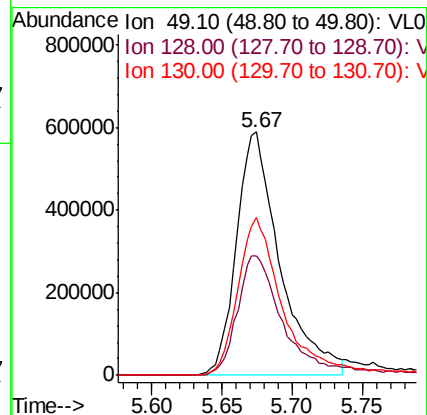
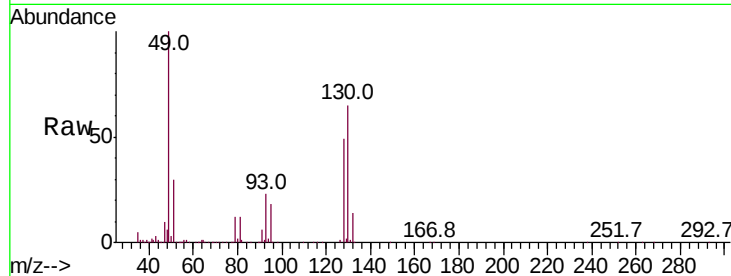
130 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#2

Dichlorodifluoromethane

Concen: 0.679 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037856.D

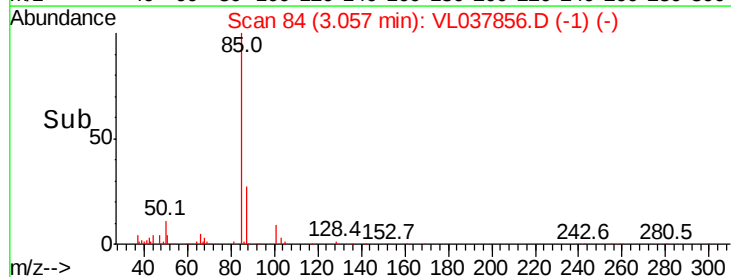
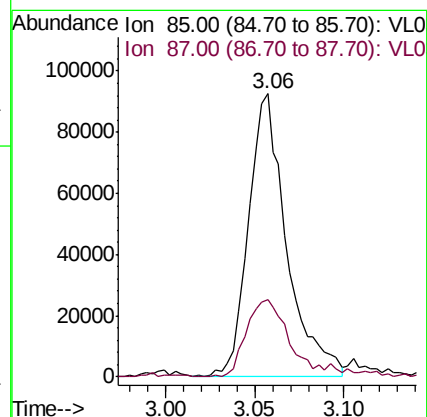
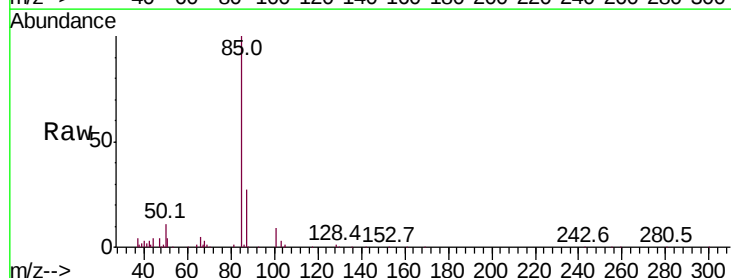
Acq: 18 Oct 2021 17:33

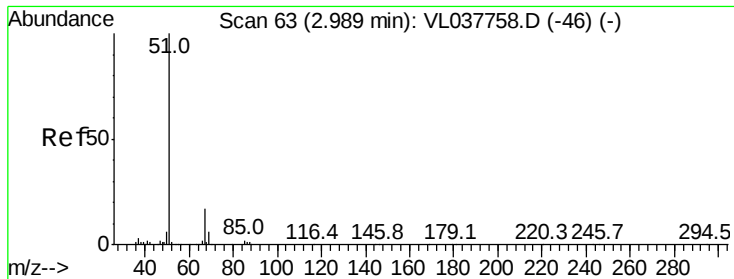
Tgt Ion: 85 Resp: 137812

Ion Ratio Lower Upper

85 100

87 27.3 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.573 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

51 100

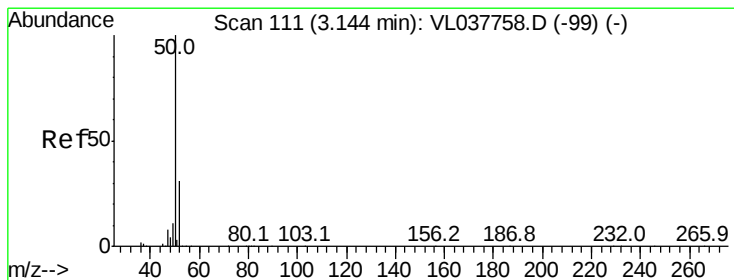
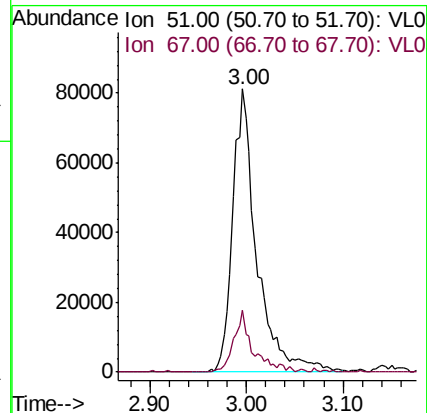
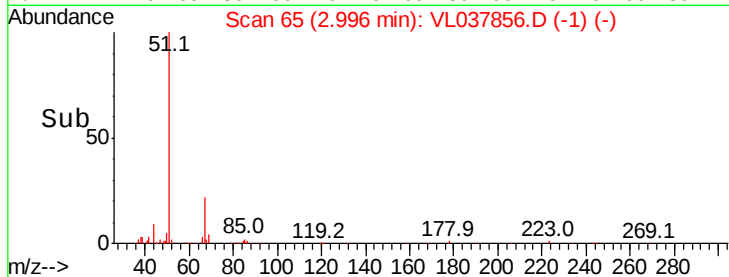
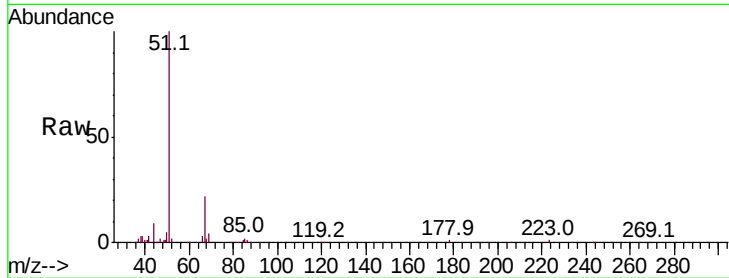
67 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#4

Chloromethane

Concen: 0.568 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037856.D

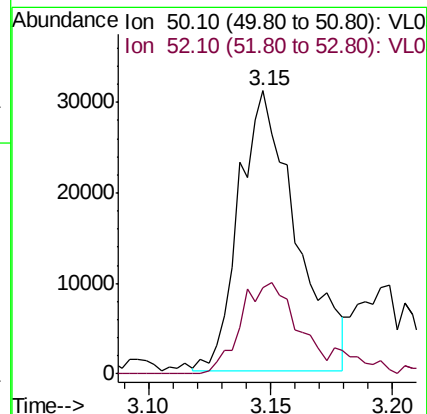
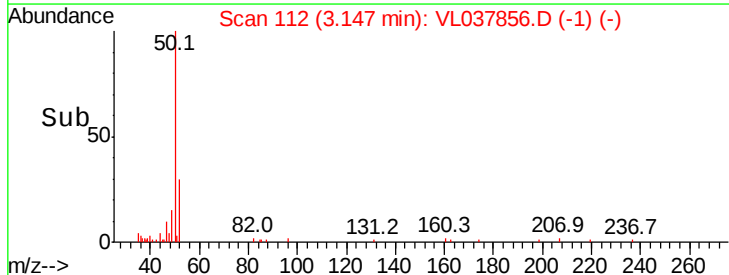
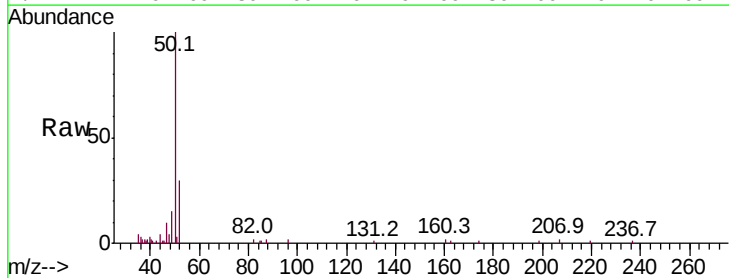
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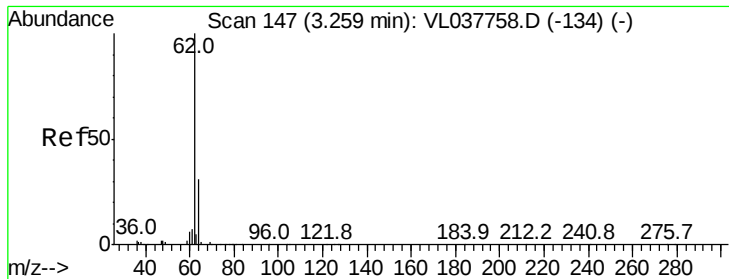
Tgt Ion: 50 Resp: 50780

Ion Ratio Lower Upper

50 100

52 31.5 24.4 36.6





#5

Vinyl Chloride

Concen: 0.563 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

62 100

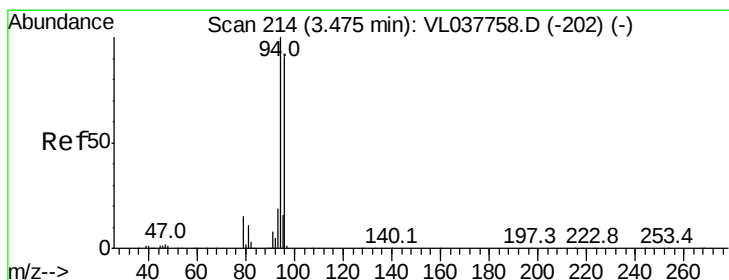
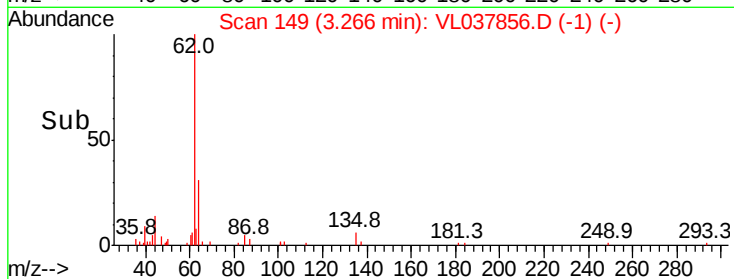
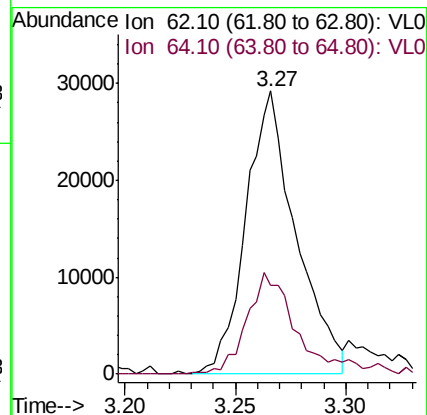
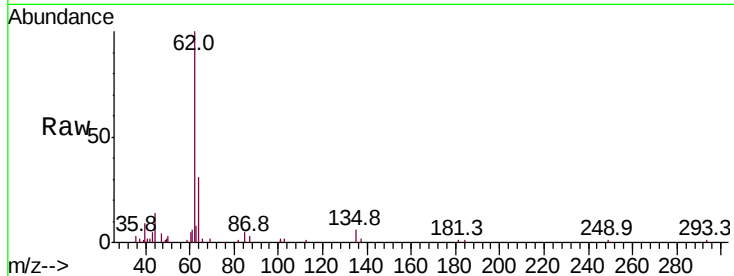
64 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#6

Bromomethane

Concen: 0.616 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037856.D

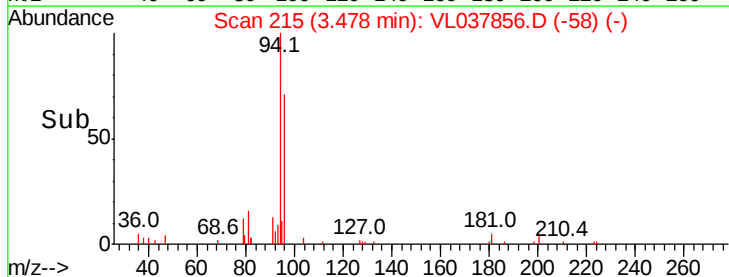
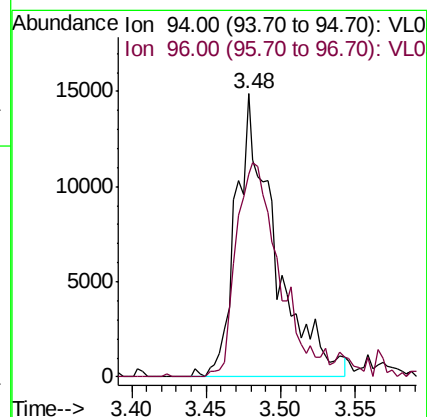
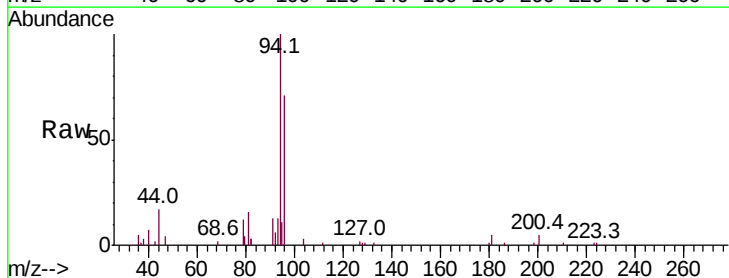
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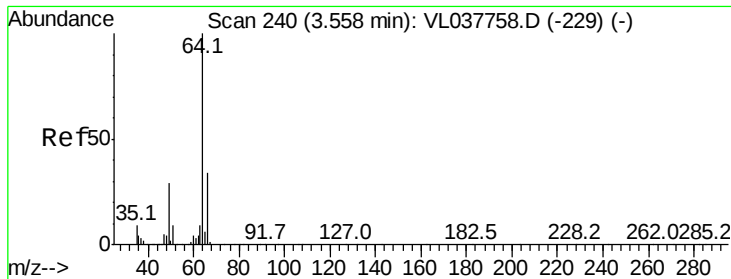
Tgt Ion: 94 Resp: 27338

Ion Ratio Lower Upper

94 100

96 71.5 72.5 108.7#





#7

Chloroethane

Concen: 0.600 ppbv m

RT: 3.57 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

64 100

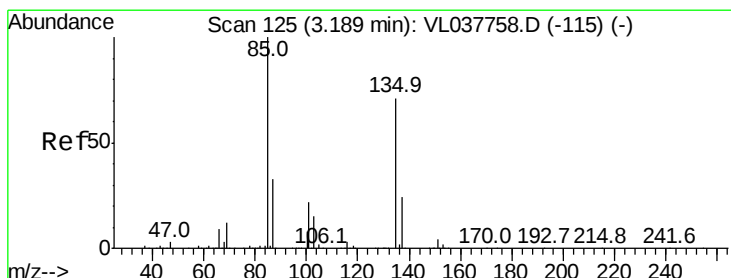
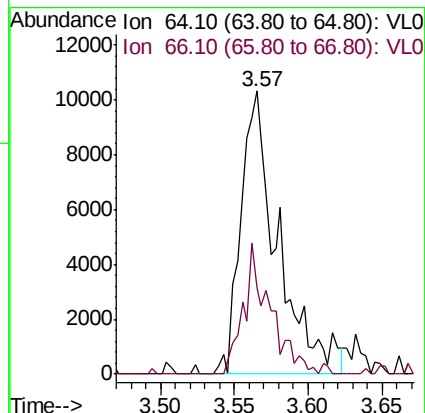
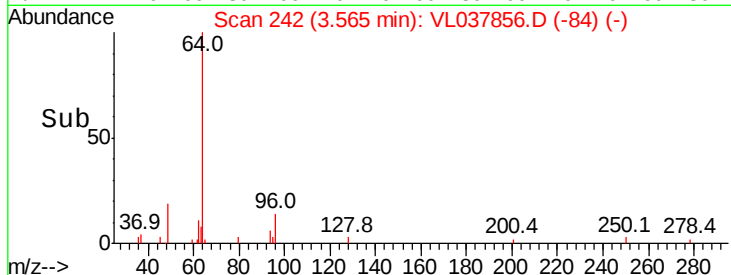
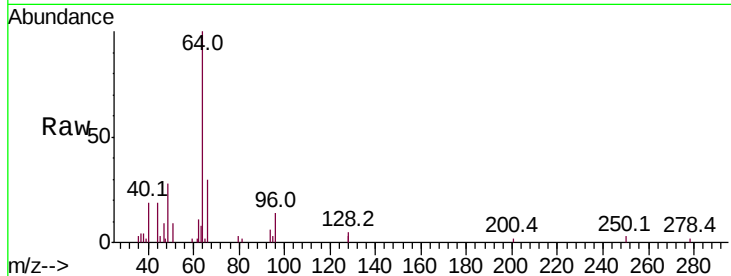
66 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#8

Dichlorotetrafluoroethane

Concen: 0.555 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL037856.D

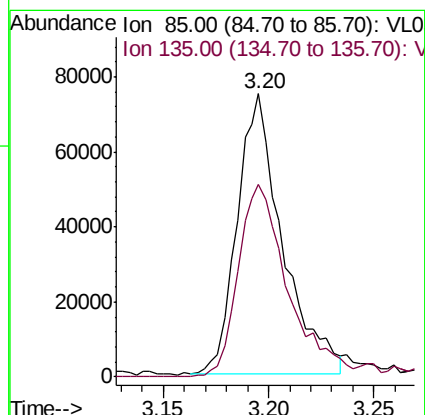
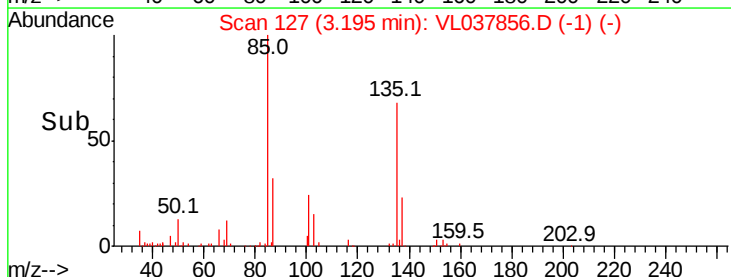
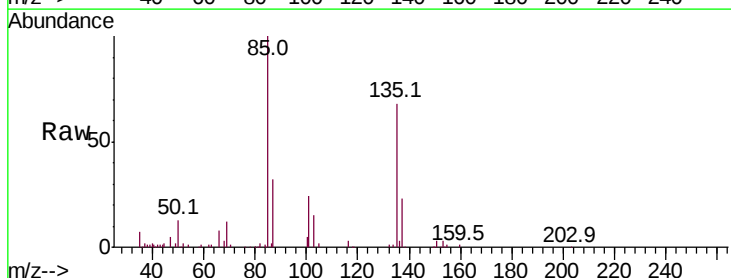
Acq: 18 Oct 2021 17:33

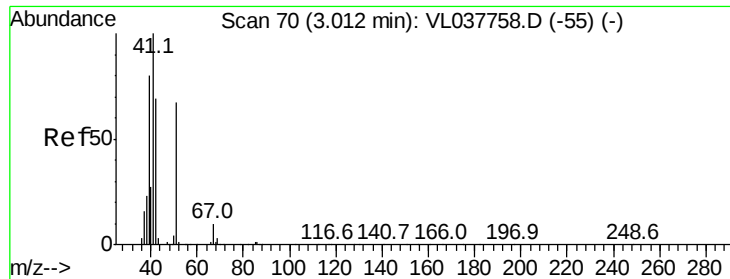
Tgt Ion: 85 Resp: 111418

Ion Ratio Lower Upper

85 100

135 80.9 59.5 89.3





#9

Propene

Concen: 0.532 ppbv m

RT: 3.02

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

41 100

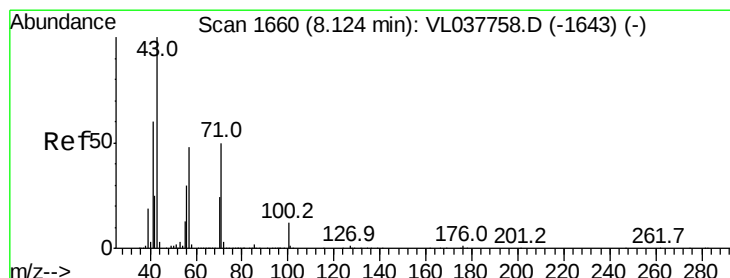
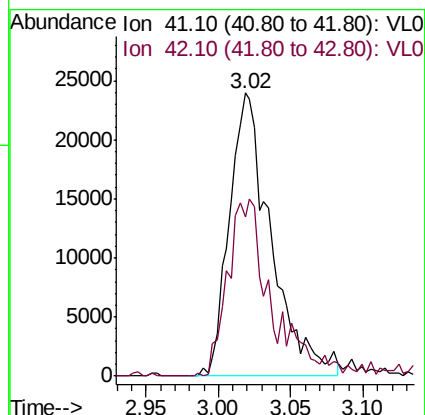
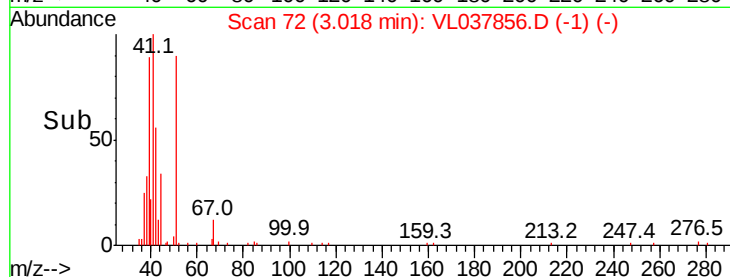
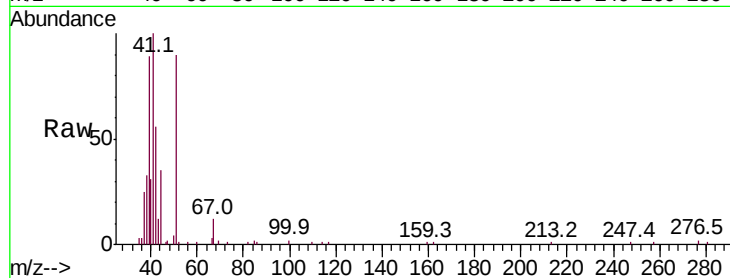
42 68.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#10

Heptane

Concen: 0.440 ppbv m

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL037856.D

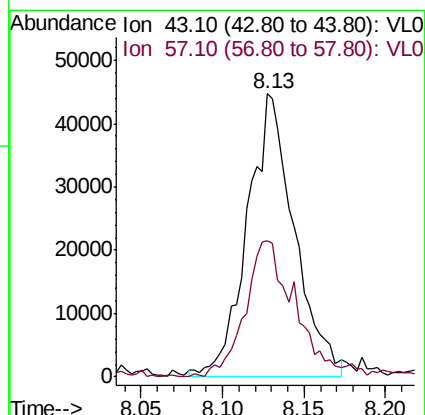
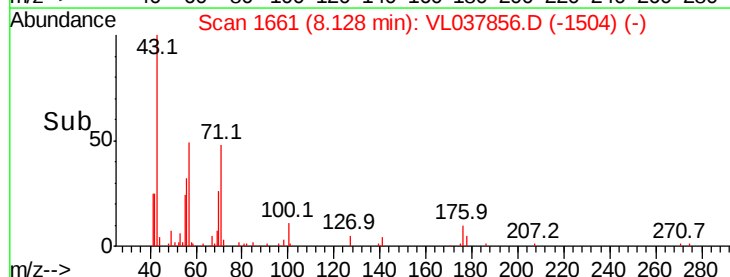
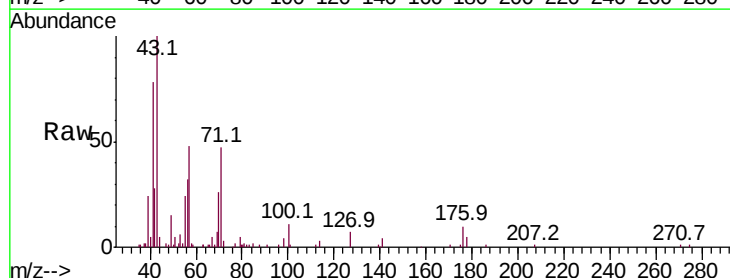
Acq: 18 Oct 2021 17:33

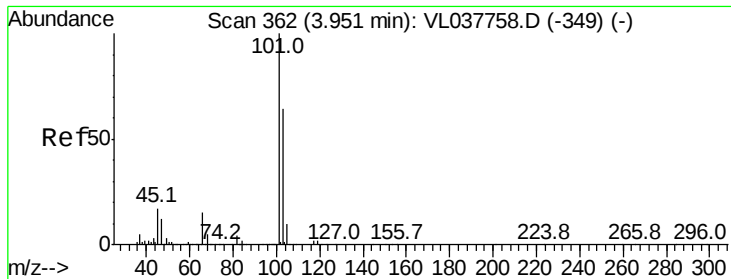
Tgt Ion: 43 Resp: 89735

Ion Ratio Lower Upper

43 100

57 52.7 40.0 60.0



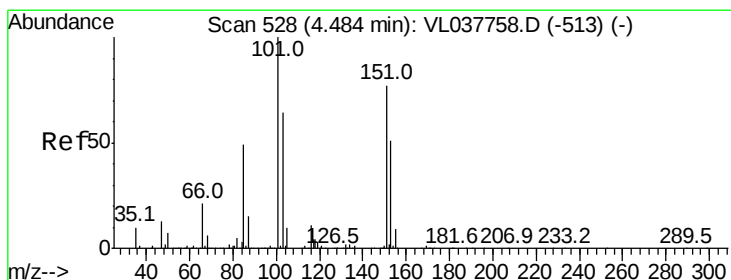
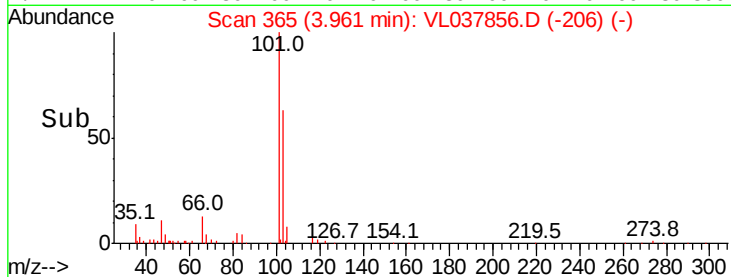
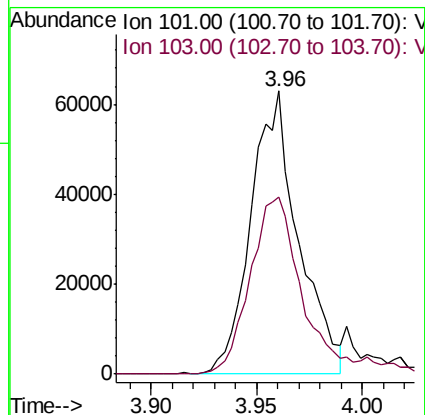
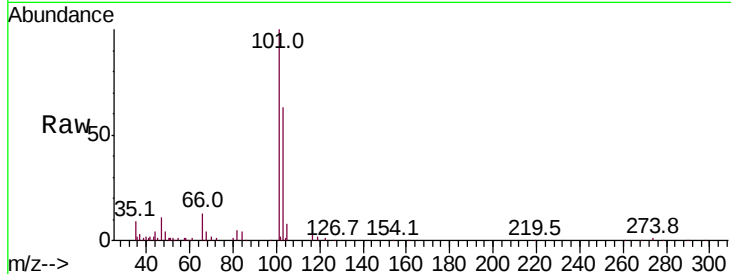


#11  
 Trichlorofluoromethane  
 Concen: 0.544 ppbv  
 RT: 3.96  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 18 Oct 2021 17:33

Tot Ion:1  
 Ion Rati  
 101 100  
 103 62.

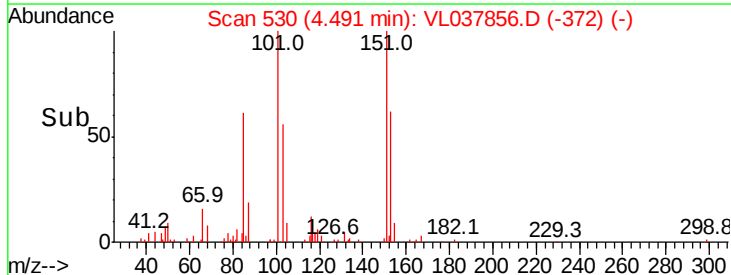
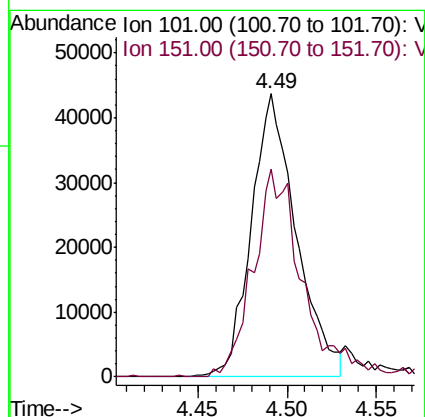
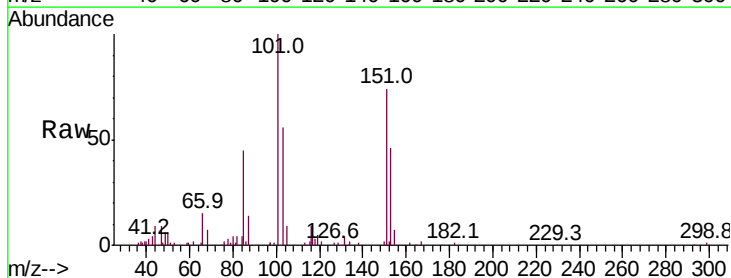
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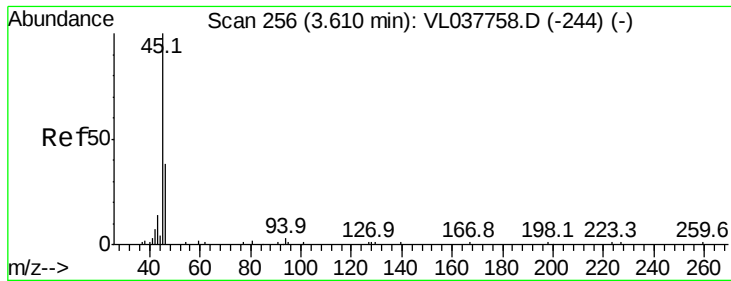
Reviewed By :Semsettin Yesilyurt 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.562 ppbv  
 RT: 4.49 min Scan# 530  
 Delta R.T. 0.01 min  
 Lab File: VL037856.D  
 Acq: 18 Oct 2021 17:33

Tgt Ion:101 Resp: 77100  
 Ion Ratio Lower Upper  
 101 100  
 151 81.0 62.9 94.3



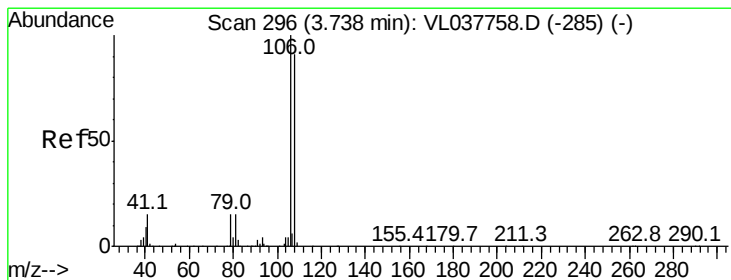
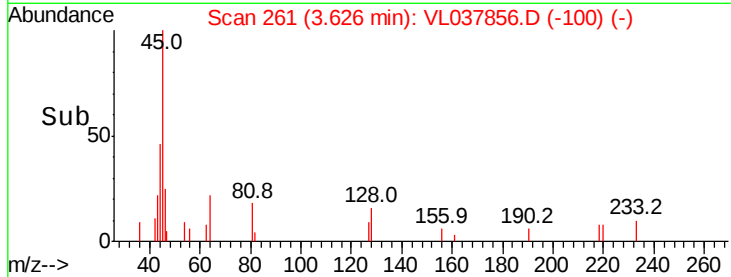
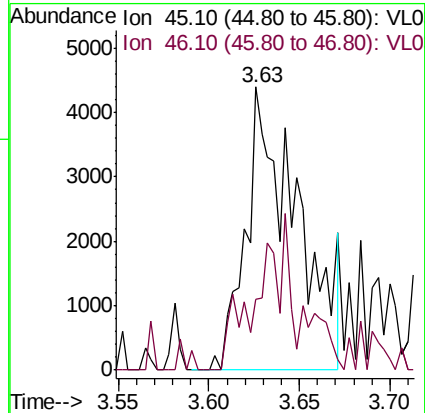
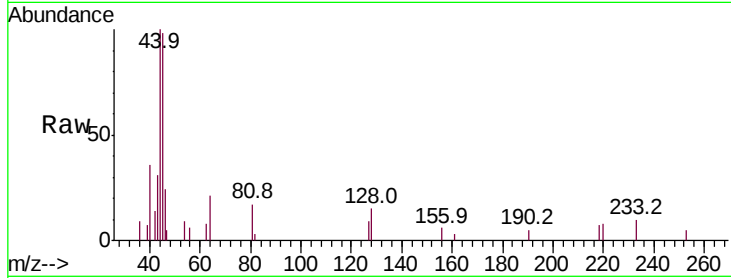


#13  
Ethanol  
Concen: 1.168 ppbv m  
RT: 3.63  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 18 Oct 2021 17:33

Tot Ion:  
Ion Ratio  
45 100  
46 0.

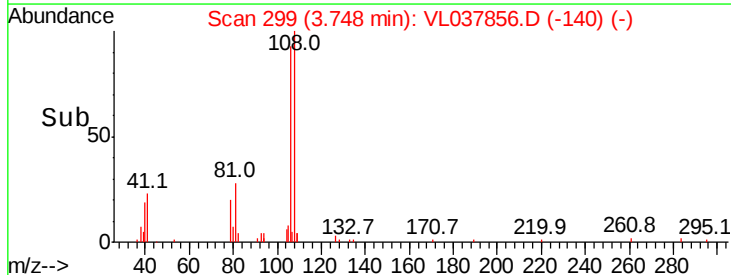
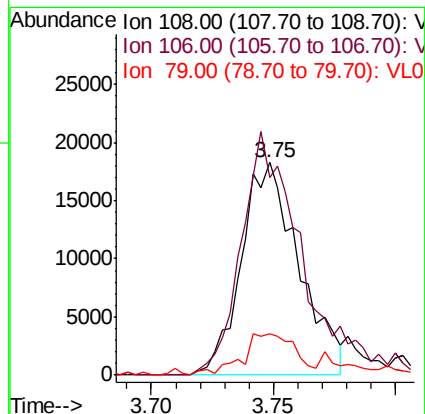
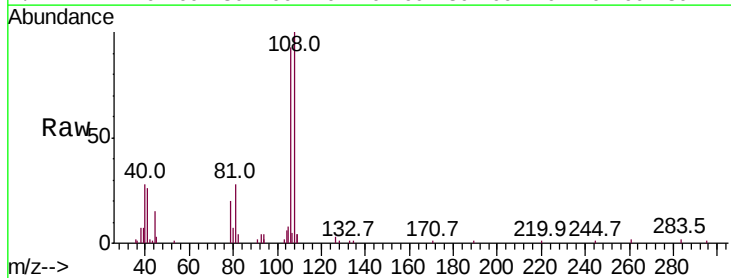
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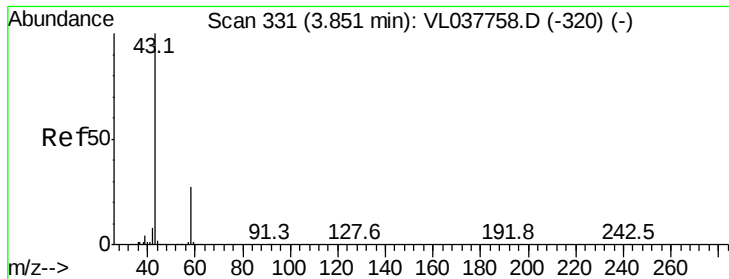
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#14  
Bromoethene  
Concen: 0.497 ppbv  
RT: 3.75 min Scan# 299  
Delta R.T. 0.01 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion:108 Resp: 29994  
Ion Ratio Lower Upper  
108 100  
106 126.0 91.9 137.9  
79 24.7 13.9 20.9#





#15

Acetone

Concen: 0.657 ppbv m

RT: 3.87

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

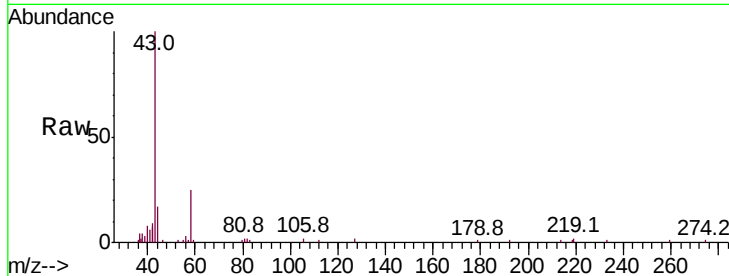
Acq: 18 Oct 2021 17:33

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021

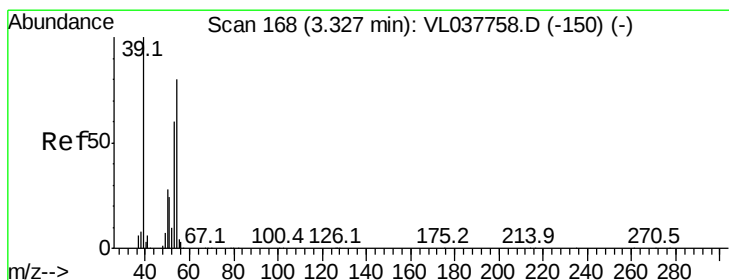
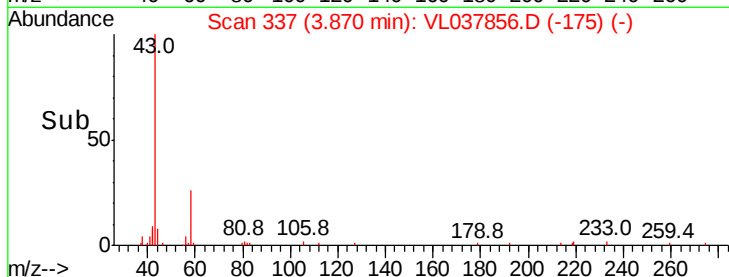
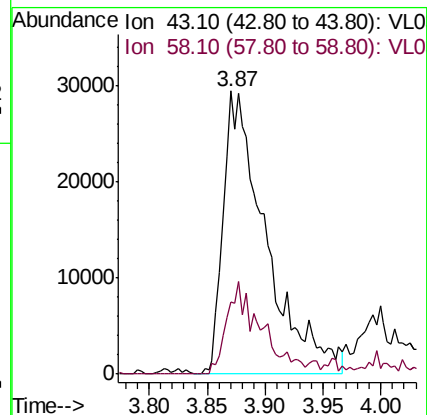


Tot Ion:

Ion Ratio

43 100

58 0.



#16

1,3-Butadiene

Concen: 0.571 ppbv m

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL037856.D

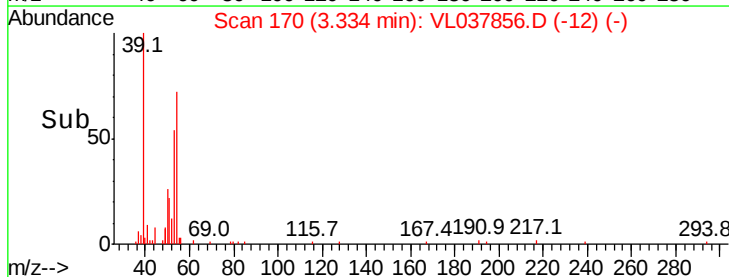
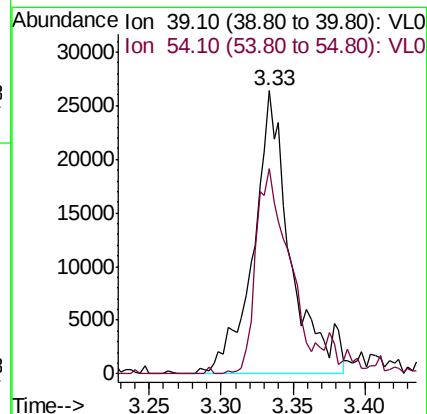
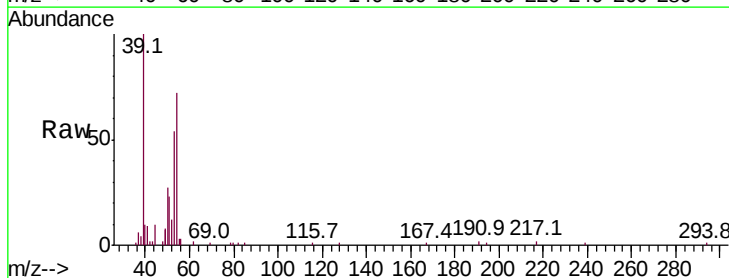
Acq: 18 Oct 2021 17:33

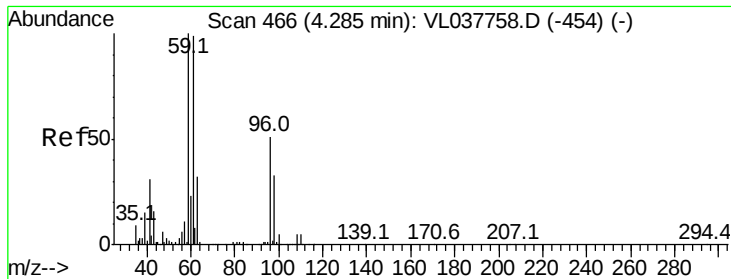
Tgt Ion: 39 Resp: 47434

Ion Ratio Lower Upper

39 100

54 74.6 61.7 92.5





#17

tert-Butyl alcohol

Concen: 0.566 ppbv m

RT: 4.32 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

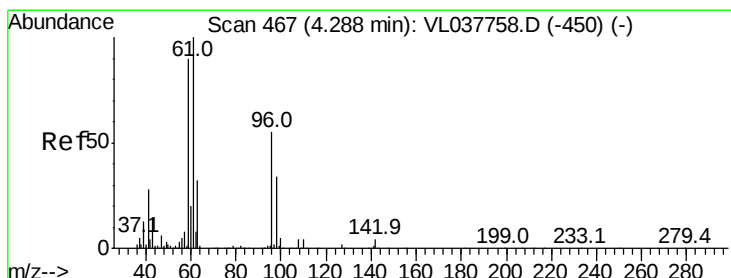
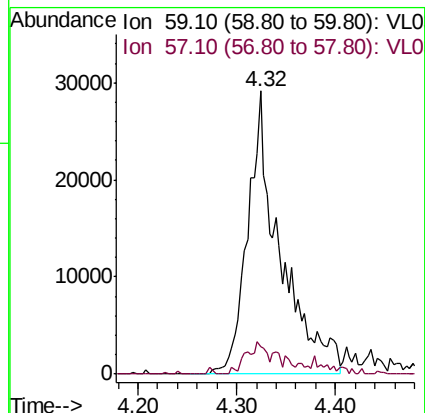
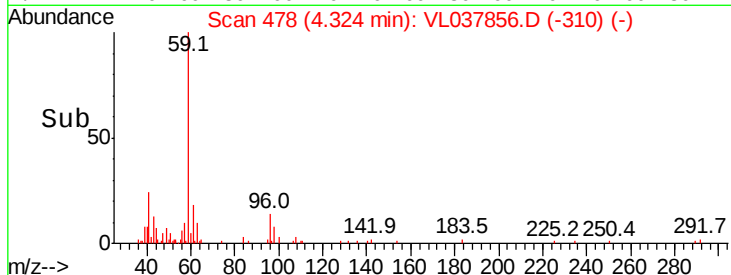
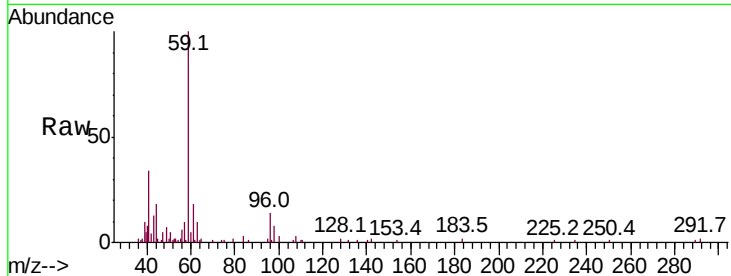
Acq: 18 Oct 2021 17:33

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#18

1,1-Dichloroethene

Concen: 0.563 ppbv m

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

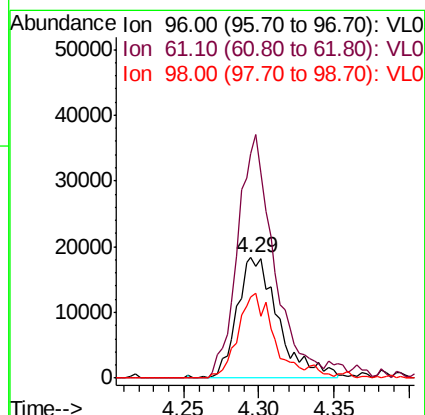
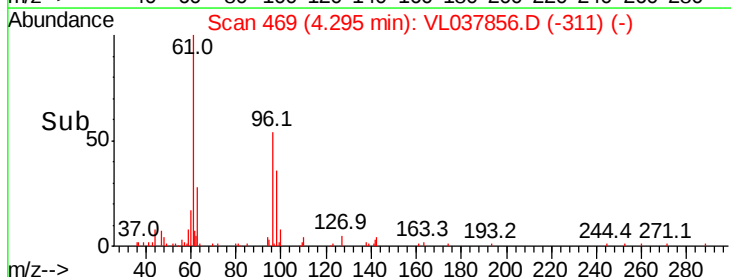
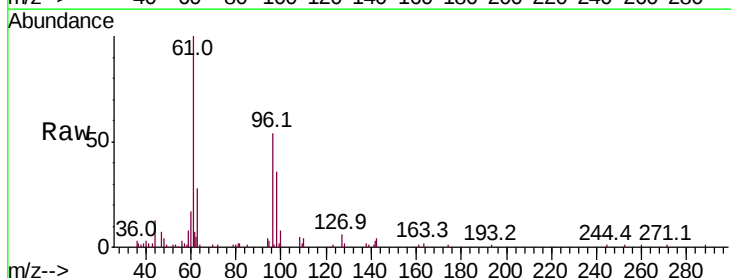
Tgt Ion: 96 Resp: 35089

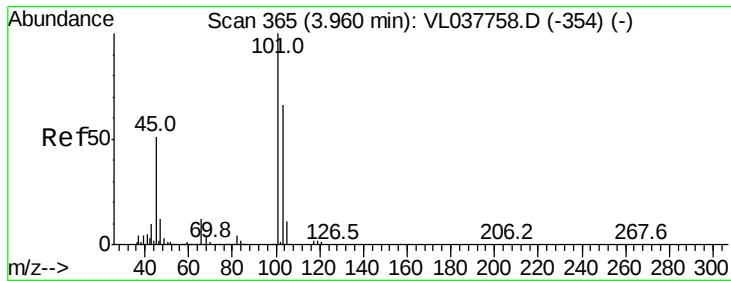
Ion Ratio Lower Upper

96 100

61 186.5 146.2 219.4

98 67.5 50.0 75.0





#19

Isopropyl Alcohol

Concen: 0.548 ppbv m

RT: 4.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

45 100

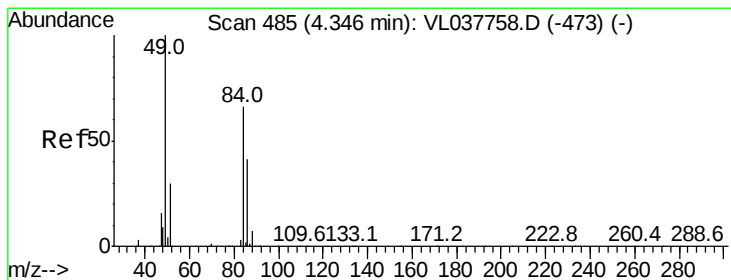
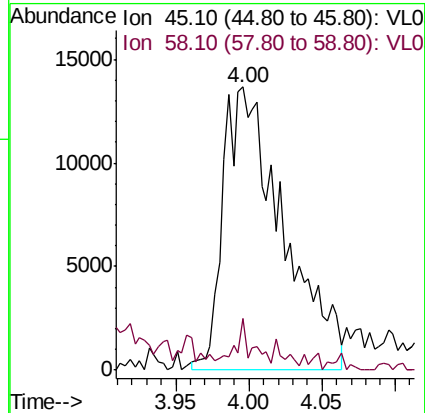
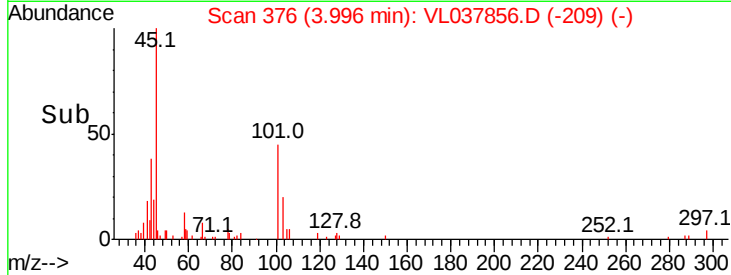
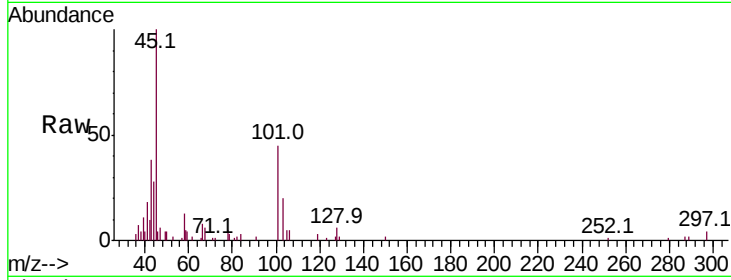
58 4.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#20

Methylene Chloride

Concen: 0.932 ppbv m

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

Tgt Ion: 84 Resp: 53723

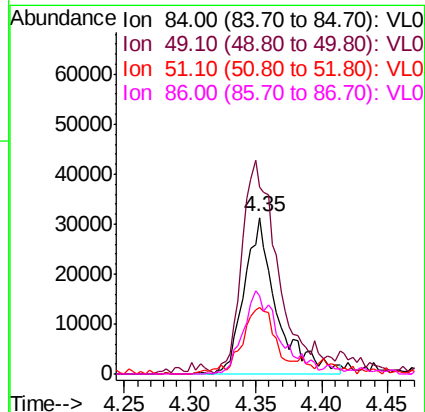
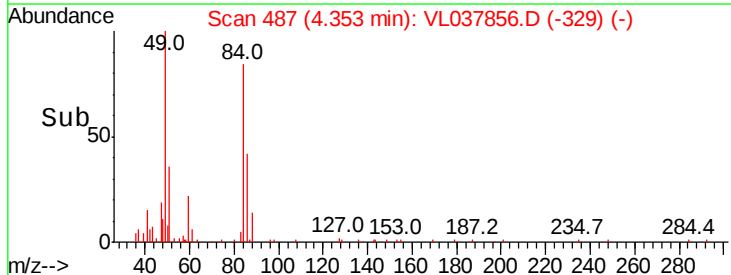
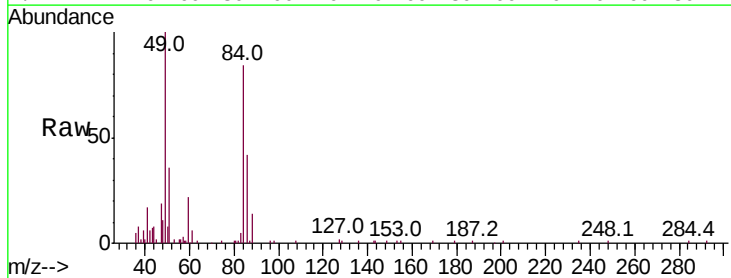
Ion Ratio Lower Upper

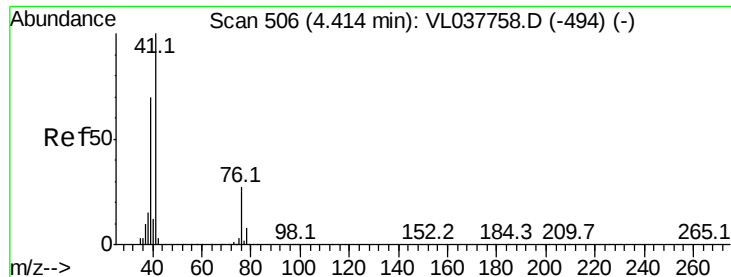
84 100

49 119.3 120.7 181.1#

51 42.7 36.2 54.4

86 50.1 49.6 74.4



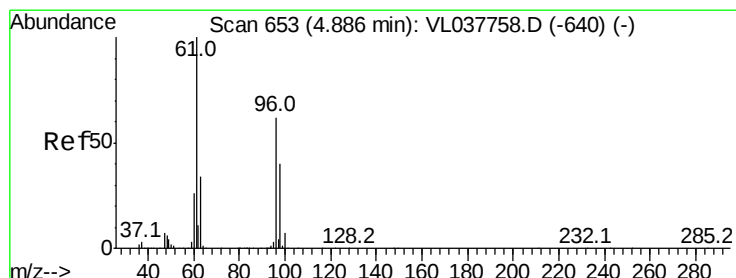
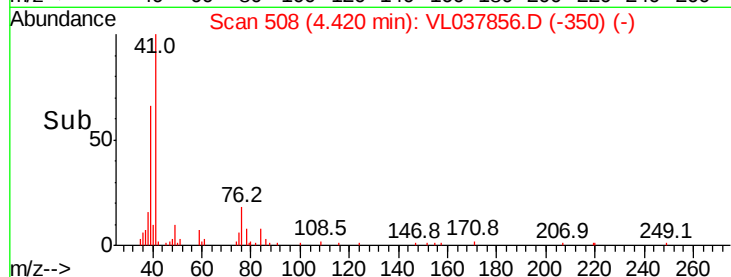
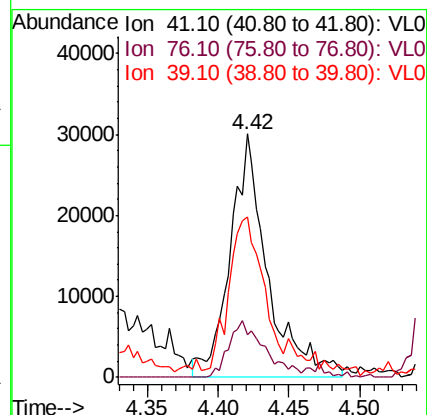
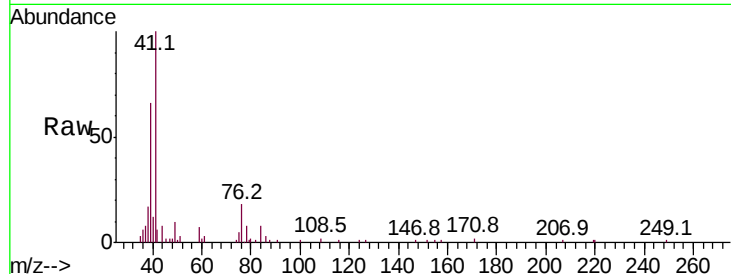


#21  
Allvl Chloride  
Concen: 0.548 ppbv m  
RT: 4.42  
Instrument: MSVOA\_1  
Delta R.T.  
Lab File: ClientSampleId :  
Acq: 18 Oct 2021 17:33

Tot Ion:  
Ion Ratio  
41 100  
76 24.  
39 75.

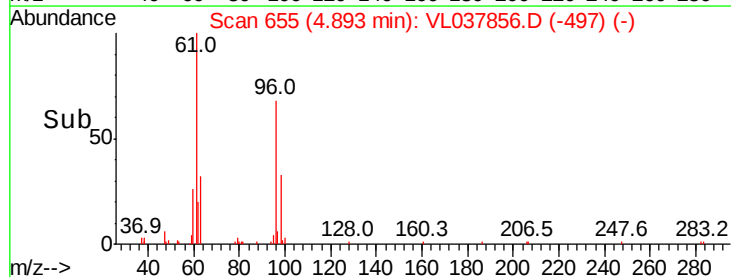
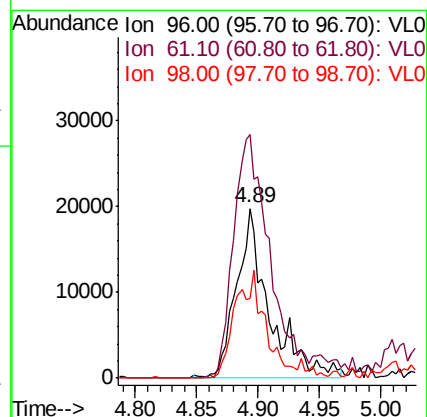
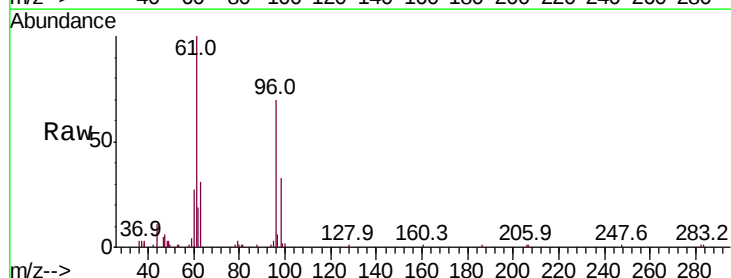
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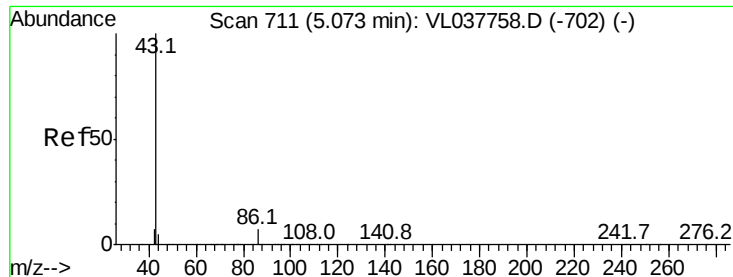
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#22  
trans-1,2-Dichloroethene  
Concen: 0.581 ppbv m  
RT: 4.89 min Scan# 655  
Delta R.T. 0.01 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion: 96 Resp: 36445  
Ion Ratio Lower Upper  
96 100  
61 143.2 129.0 193.6  
98 46.7 51.7 77.5#





#23

Vinyl Acetate

Concen: 0.596 ppbv m

RT: 5.09 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

43 100

86 6.

42 5.

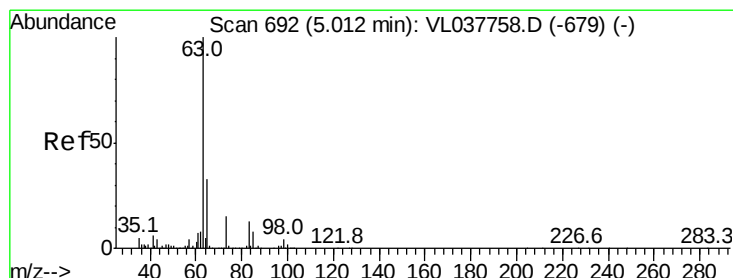
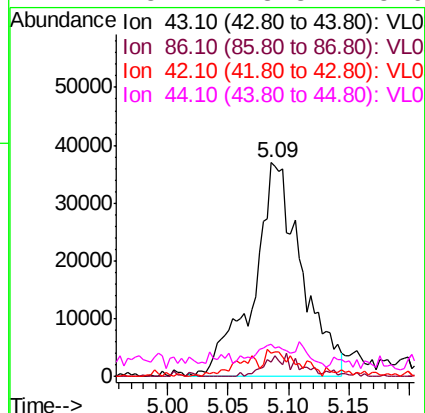
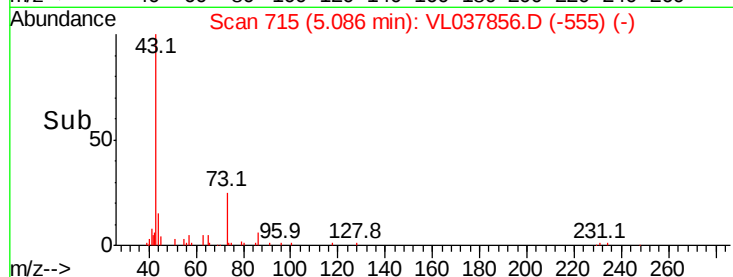
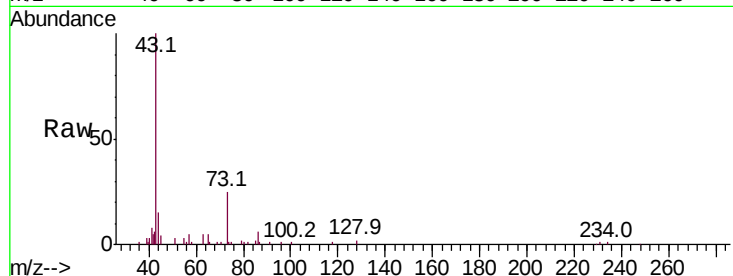
44 15.2 3.8 5.6#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#24

1,1-Dichloroethane

Concen: 0.604 ppbv m

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

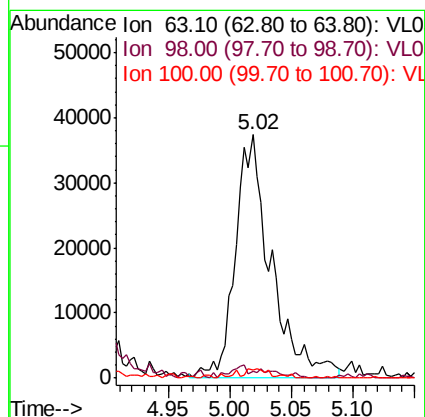
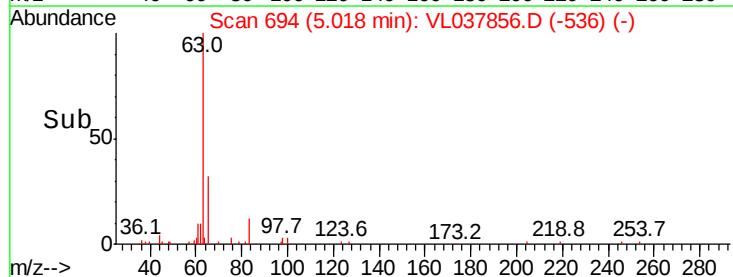
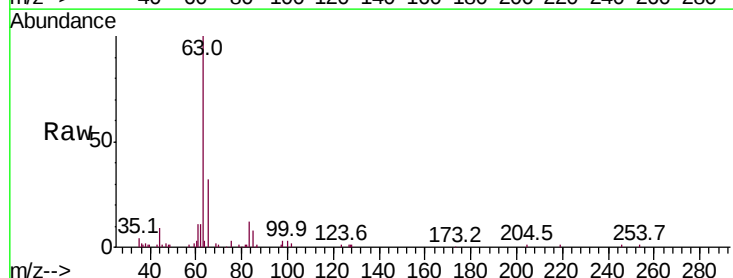
Tgt Ion: 63 Resp: 75225

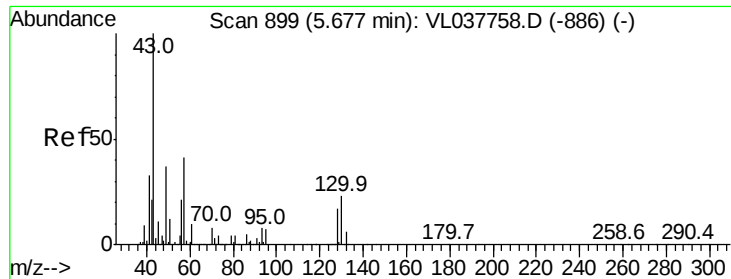
Ion Ratio Lower Upper

63 100

98 2.8 2.3 6.9

100 3.3 1.1 3.1#



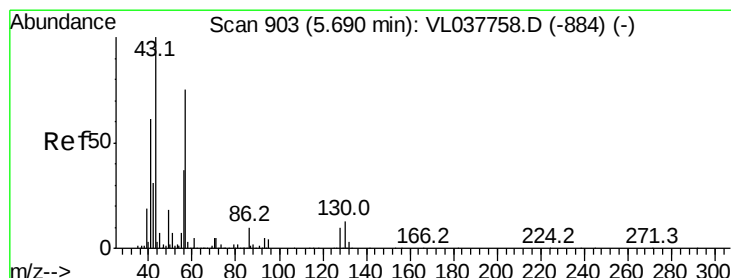
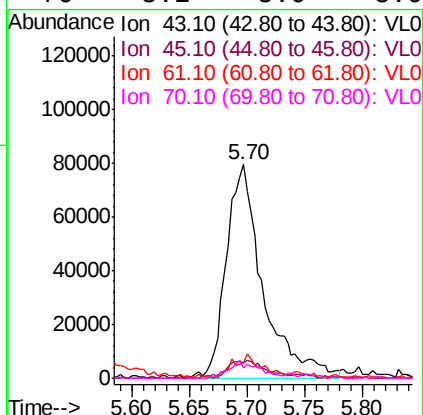
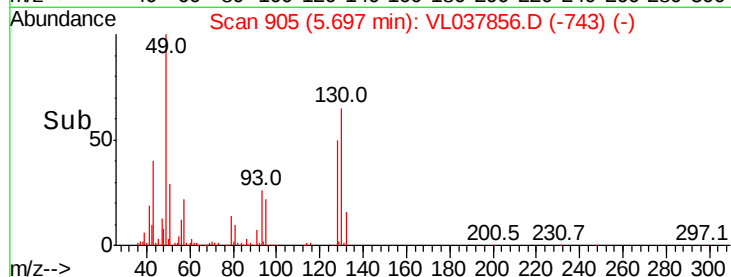
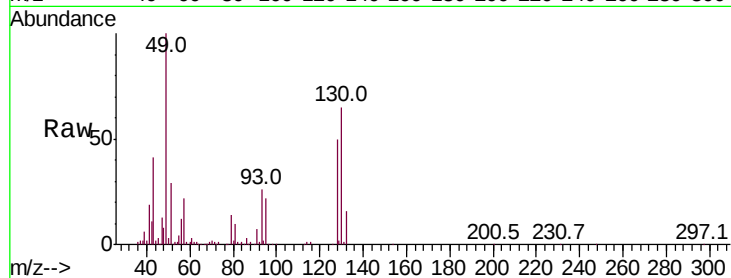


#25  
Ethyl Acetate  
Concen: 0.547 ppbv m  
RT: 5.70 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 18 Oct 2021 17:33

Tot Ion:  
Ion Ratio  
43 100  
45 9.  
61 9.  
70 8.2 5.9 8.9

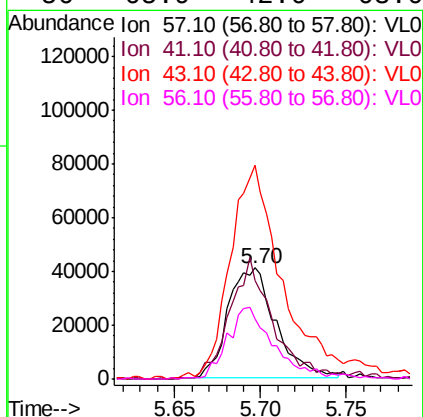
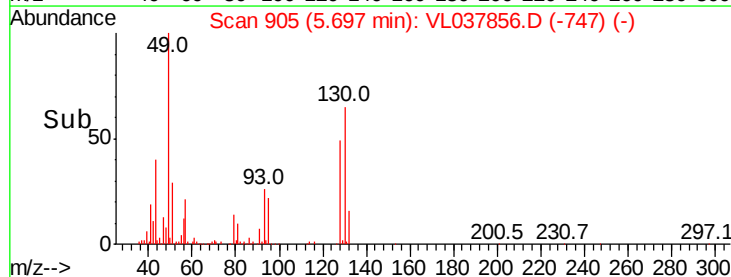
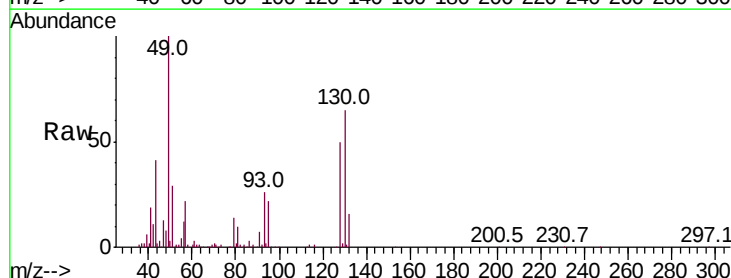
Manual Integrations  
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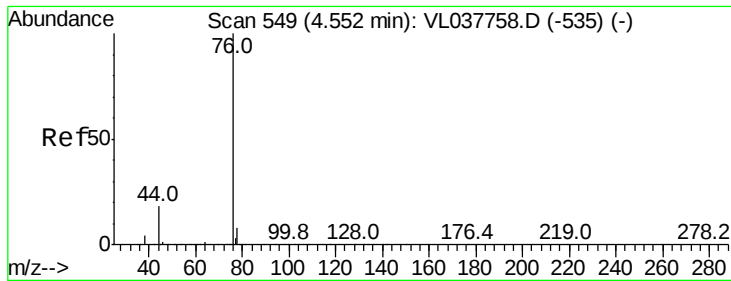
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#26  
Hexane  
Concen: 0.497 ppbv  
RT: 5.70 min Scan# 905  
Delta R.T.: 0.01 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion: 57 Resp: 78277  
Ion Ratio Lower Upper  
57 100  
41 104.7 69.6 104.4#  
43 223.9 171.4 257.0  
56 65.9 42.0 63.0#





#27

Carbon Disulfide

Concen: 0.468 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

76 100

44 22.

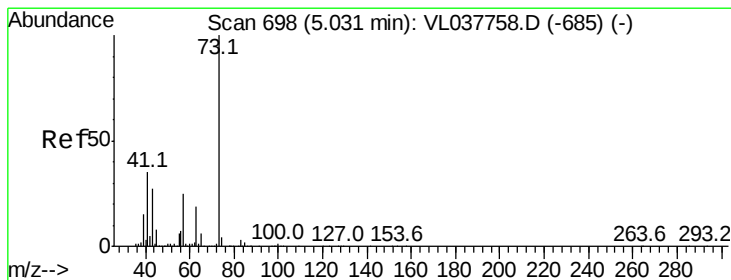
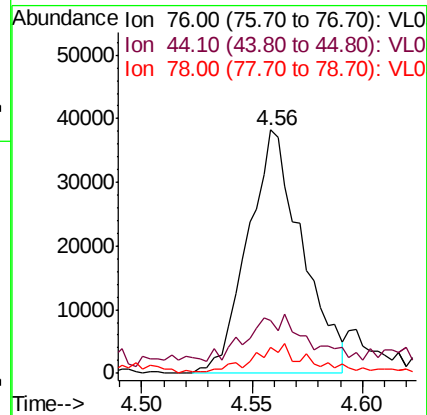
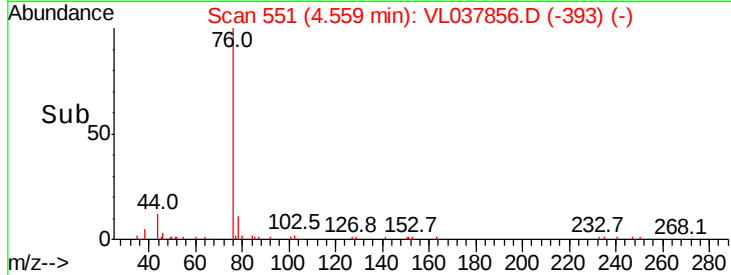
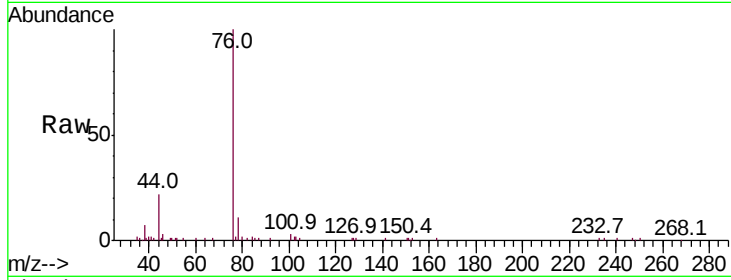
78 13.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#28

Methyl tert-Butyl Ether

Concen: 0.552 ppbv m

RT: 5.05 min Scan# 705

Delta R.T. 0.02 min

Lab File: VL037856.D

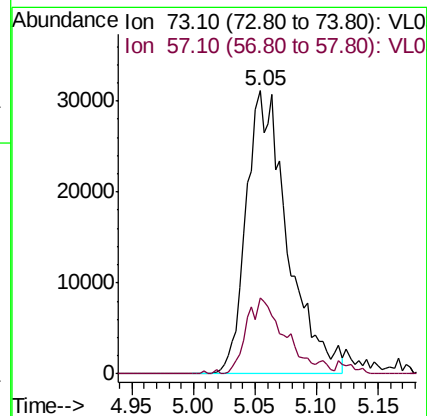
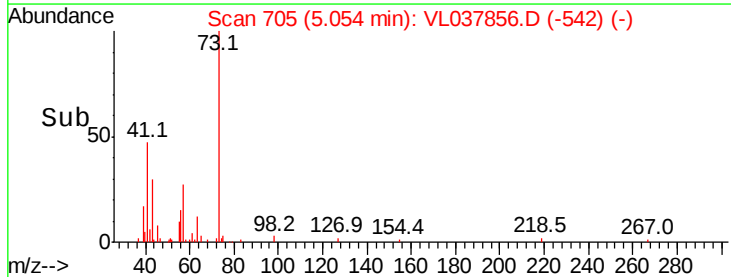
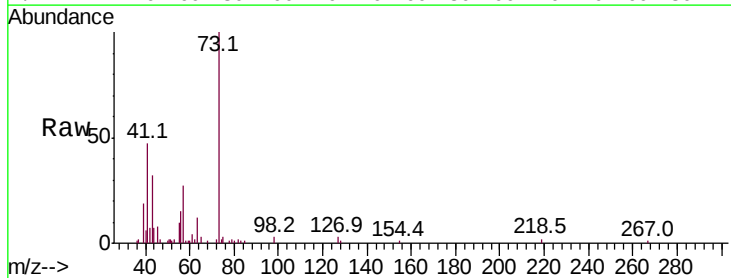
Acq: 18 Oct 2021 17:33

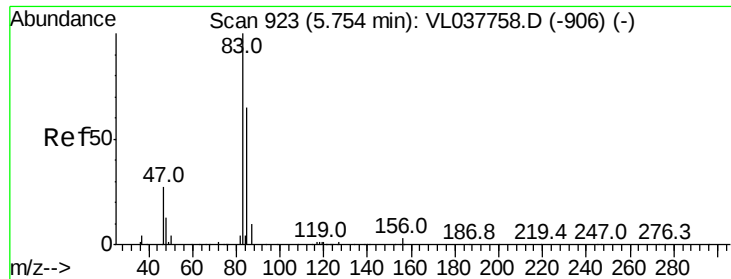
Tgt Ion: 73 Resp: 72382

Ion Ratio Lower Upper

73 100

57 27.4 20.4 30.6



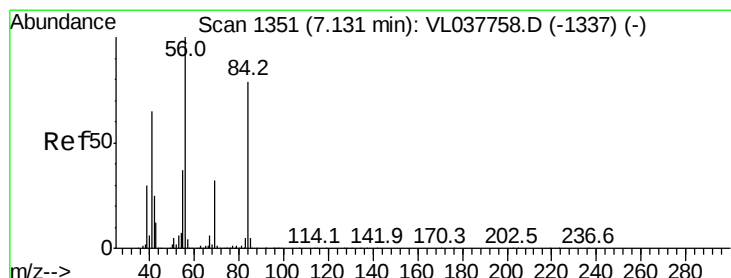
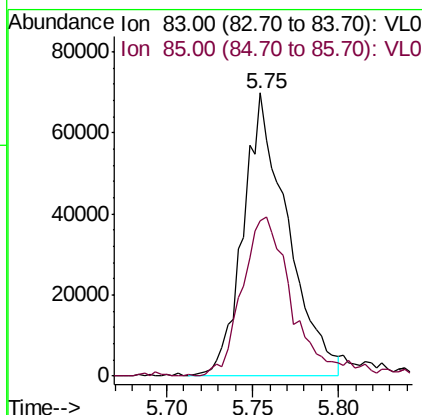
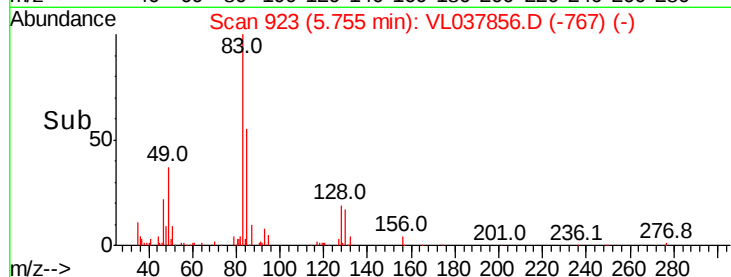
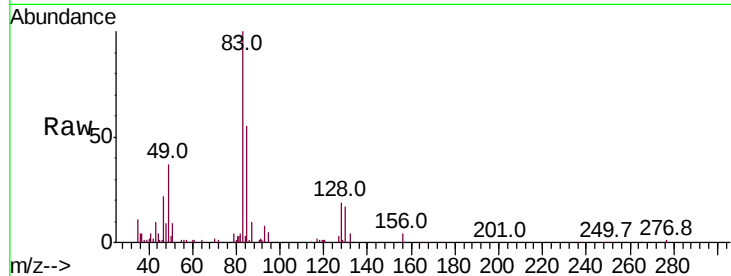


#29  
Chloroform  
Concen: 0.557 ppbv  
RT: 5.75  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 18 Oct 2021 17:33

Tot Ion:  
Ion Ratio  
83 100  
85 54.

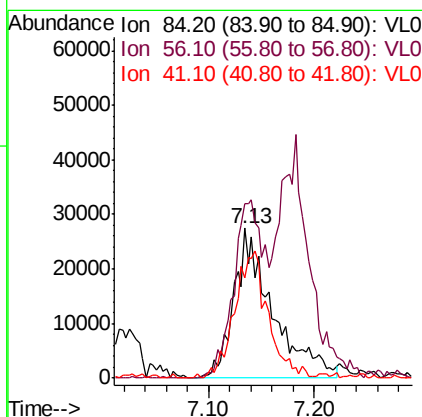
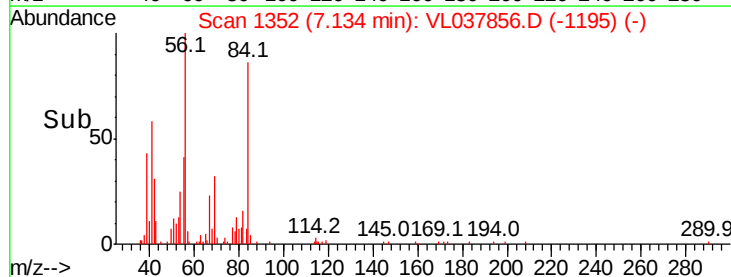
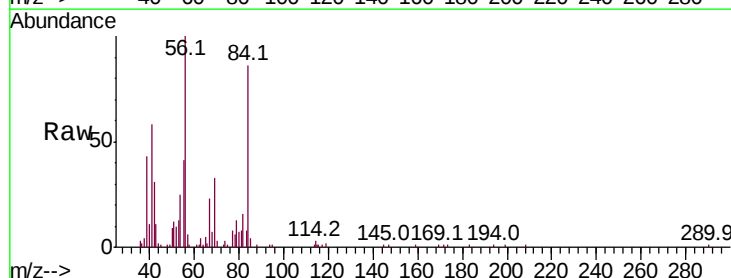
Manual Integrations  
APPROVED

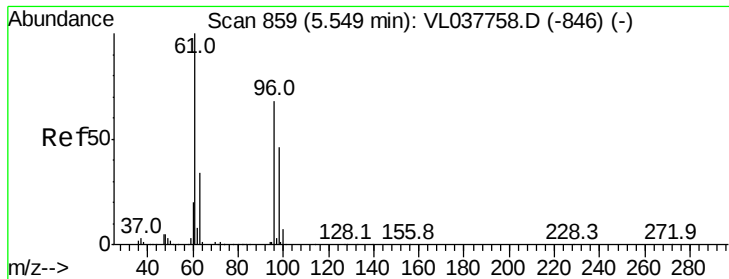
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#30  
Cyclohexane  
Concen: 0.519 ppbv m  
RT: 7.13 min Scan# 1352  
Delta R.T. 0.00 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion: 84 Resp: 69412  
Ion Ratio Lower Upper  
84 100  
56 99.0 113.0 169.4#  
41 74.7 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 0.477 ppbv m

RT: 5.56 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

61 100

96 59.

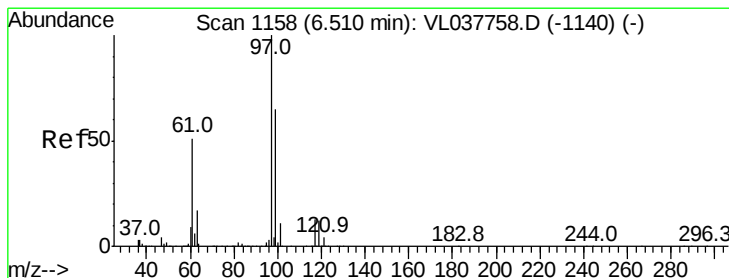
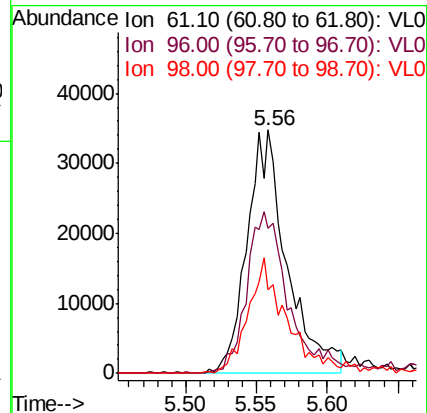
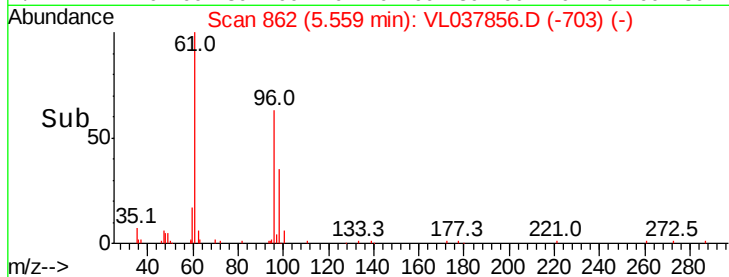
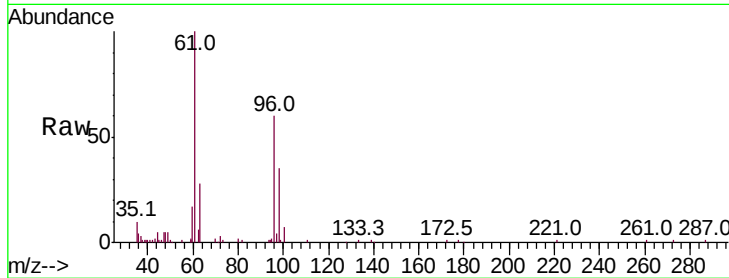
98 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#32

1,1,1-Trichloroethane

Concen: 0.511 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

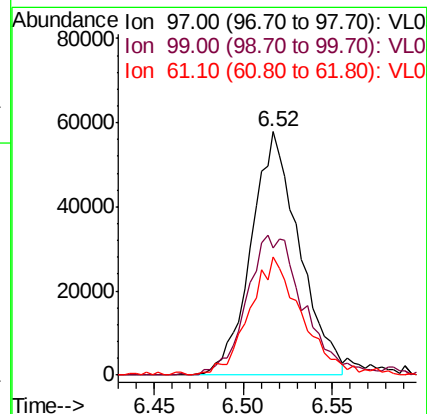
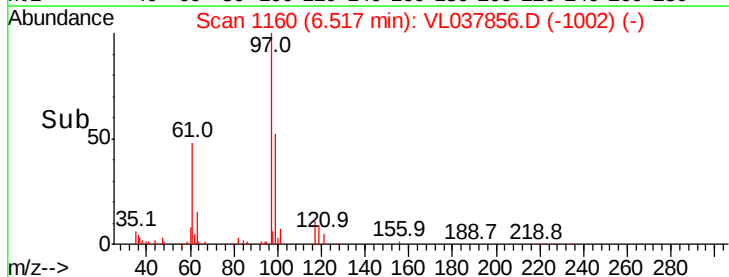
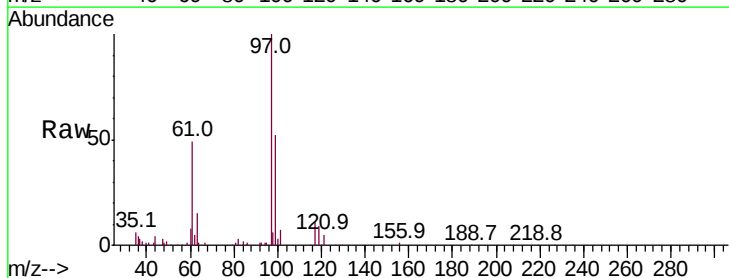
Tgt Ion: 97 Resp: 109252

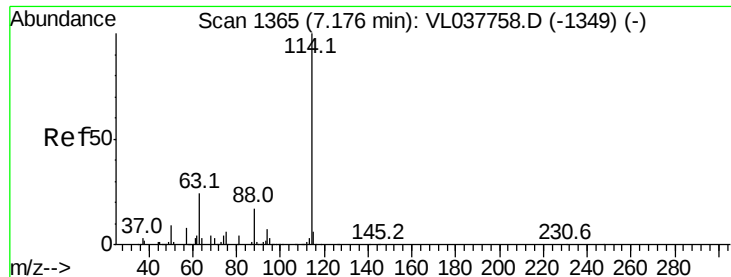
Ion Ratio Lower Upper

97 100

99 68.8 52.6 78.8

61 53.7 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA\_1

Delta R.T.

ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 18 Oct 2021 17:33

Tot Ion: 1

Ion Ratio

114 100

63 24.

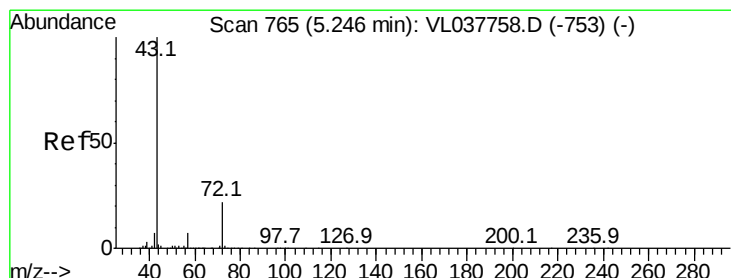
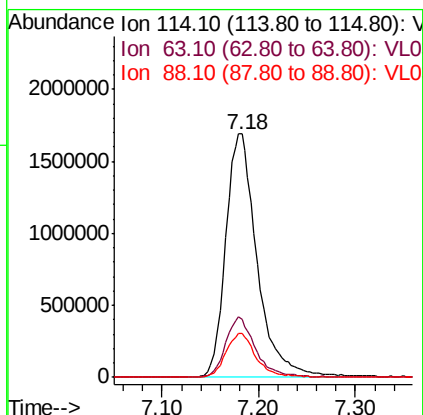
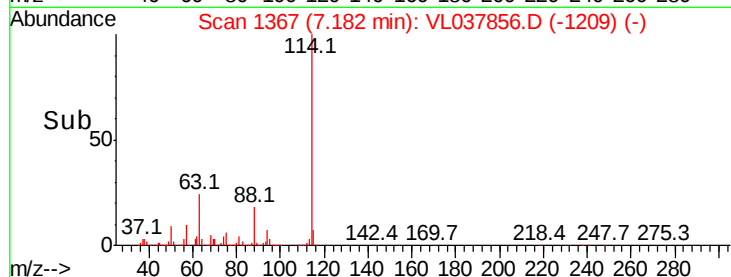
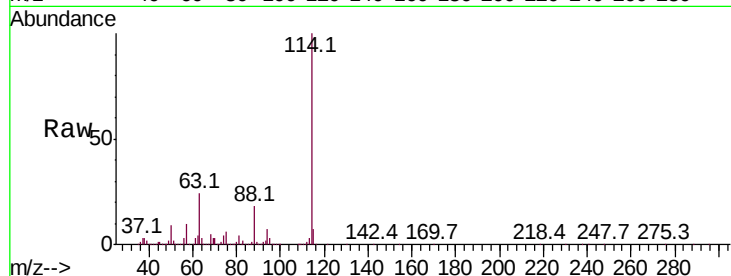
88 17.

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 10/25/2021

Supervised By : Mahesh Dadoda 10/27/2021



#34

2-Butanone

Concen: 0.496 ppbv m

RT: 5.27 min Scan# 772

Delta R.T. 0.02 min

Lab File: VL037856.D

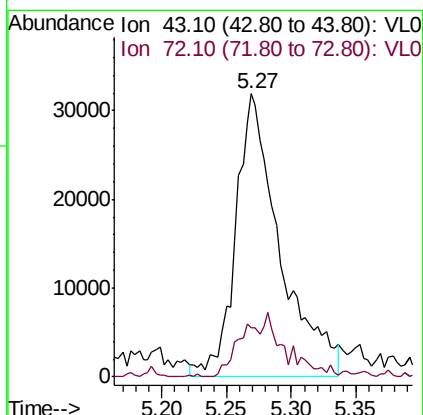
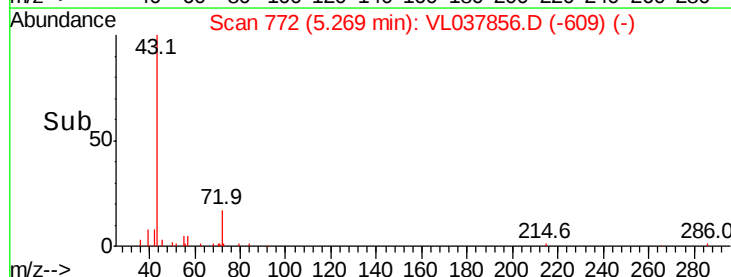
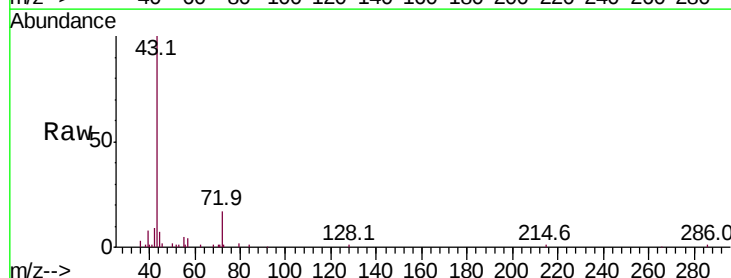
Acq: 18 Oct 2021 17:33

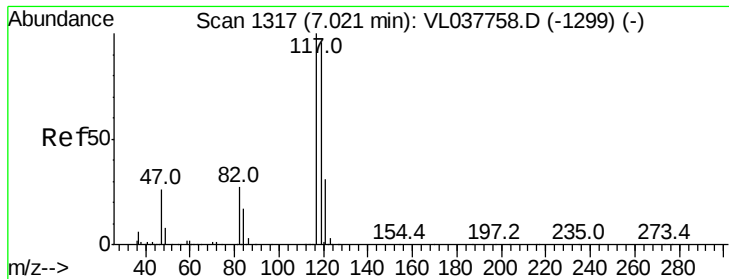
Tgt Ion: 43 Resp: 76305

Ion Ratio Lower Upper

43 100

72 23.2 18.2 27.2



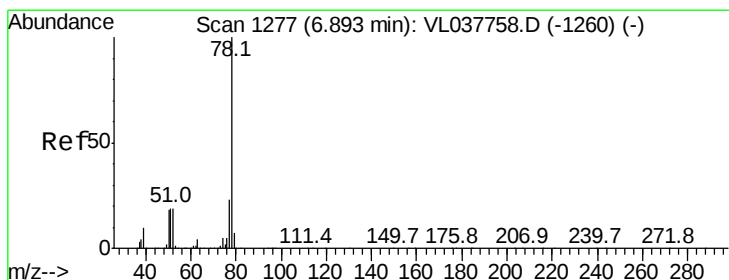
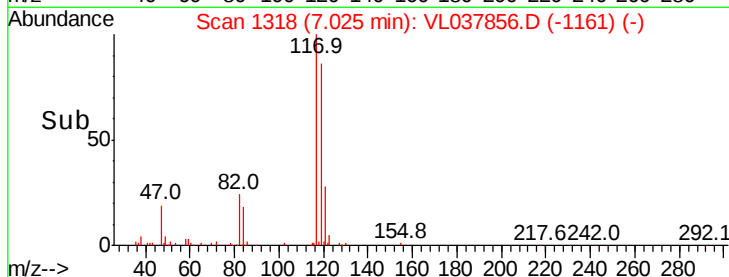
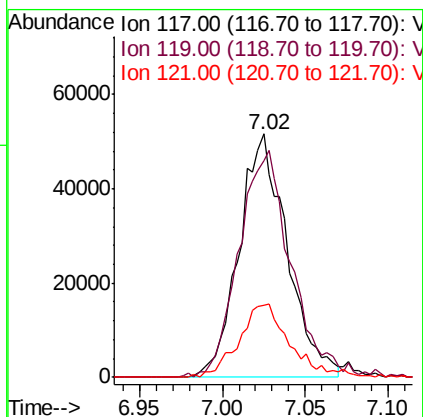
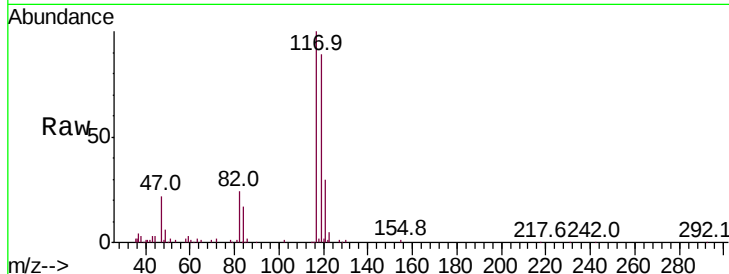


#35  
Carbon Tetrachloride  
Concen: 0.483 ppbv  
RT: 7.02  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 18 Oct 2021 17:33

Tot Ion:1  
Ion Rati  
117 100  
119 87.  
121 29.

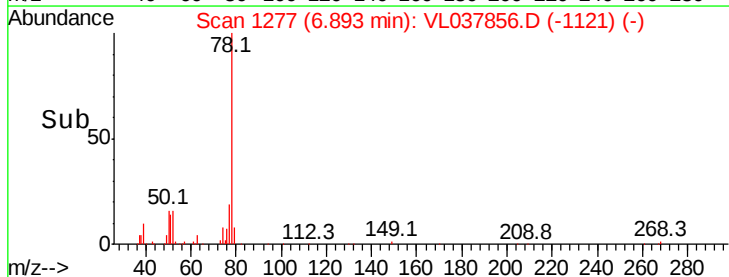
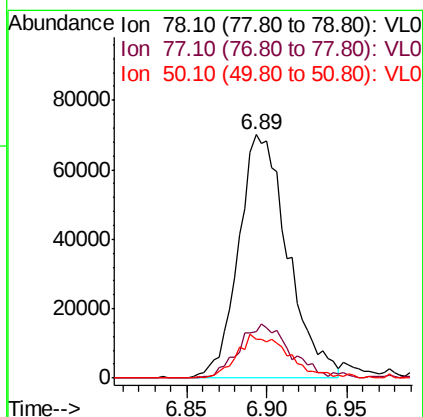
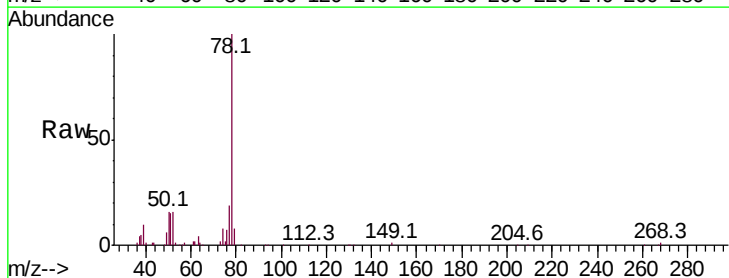
Manual Integrations  
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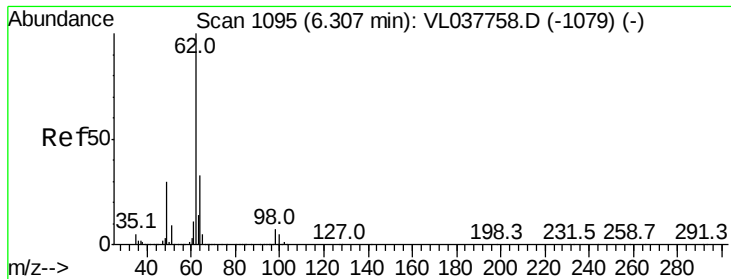
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#36  
Benzene  
Concen: 0.453 ppbv  
RT: 6.89 min Scan# 1277  
Delta R.T. 0.00 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion: 78 Resp: 147405  
Ion Ratio Lower Upper  
78 100  
77 19.2 18.8 28.2  
50 15.8 14.7 22.1





#37

1,2-Dichloroethane

Concen: 0.520 ppbv m

RT: 6.31 Instrument: MSVOA\_1

Delta R.T. ClientSampleId:

Lab File: LOQ-AIR-02-QT4-2021

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

62 100

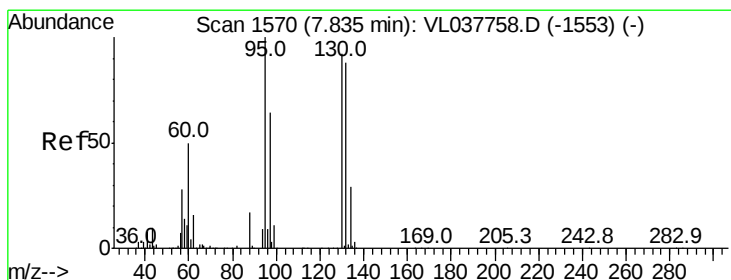
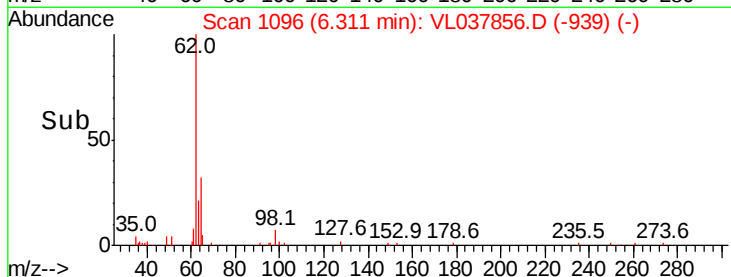
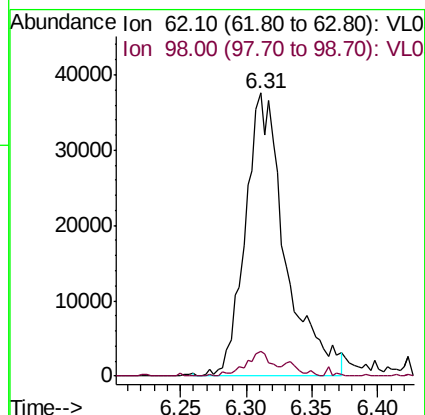
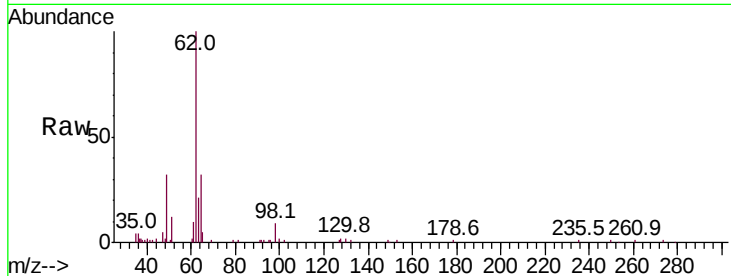
98 7.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#38

Trichloroethene

Concen: 0.501 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

Tgt Ion:130 Resp: 64334

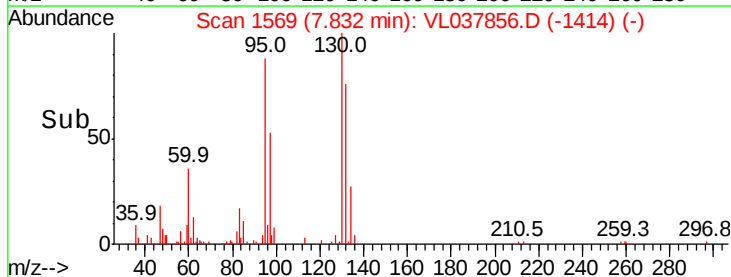
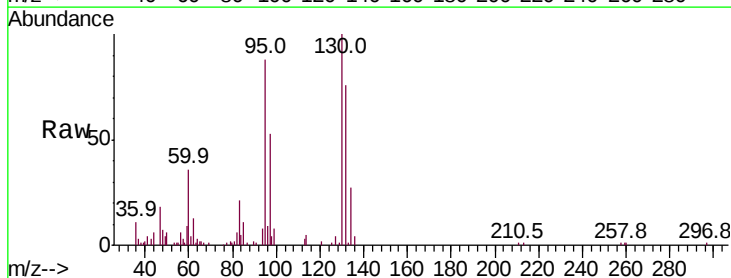
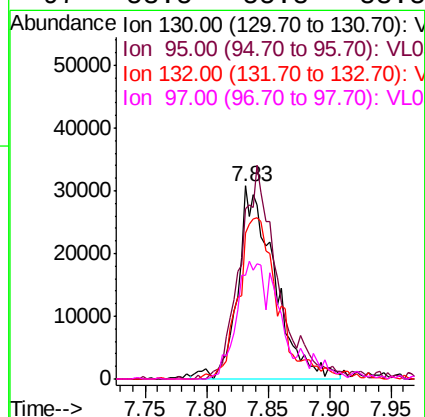
Ion Ratio Lower Upper

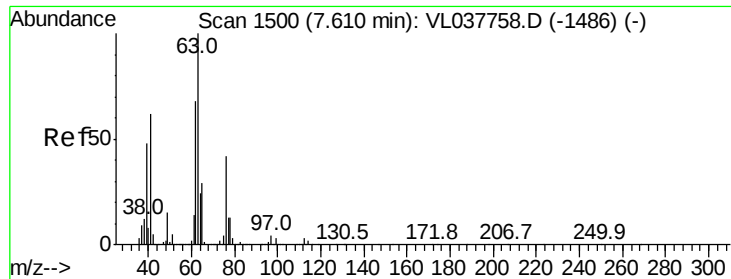
130 100

95 88.3 87.4 131.0

132 76.0 76.8 115.2#

97 53.5 55.8 83.8#





#39

1,2-Dichloropropane

Concen: 0.511 ppbv m

RT: 7.62

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

63 100

41 92.

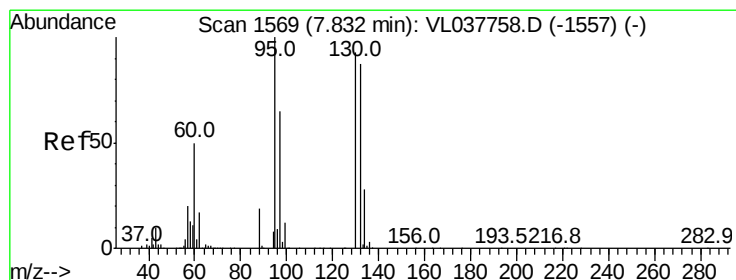
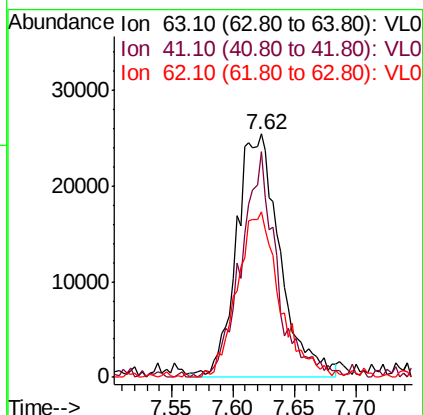
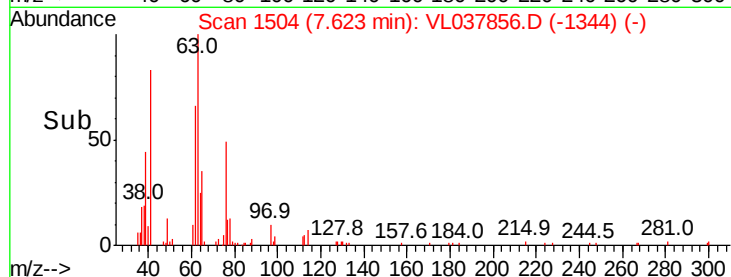
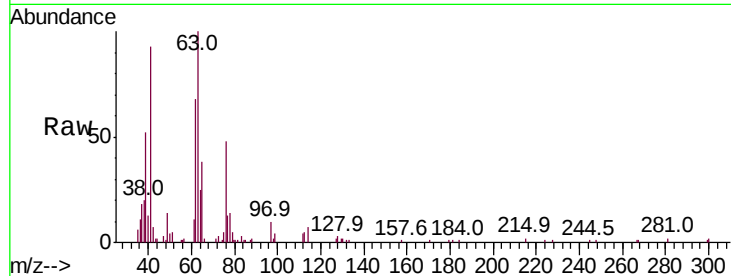
62 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#40

1,4-Dioxane

Concen: 0.525 ppbv m

RT: 7.89 min Scan# 1587

Delta R.T. 0.06 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

Tgt Ion: 88 Resp: 16064

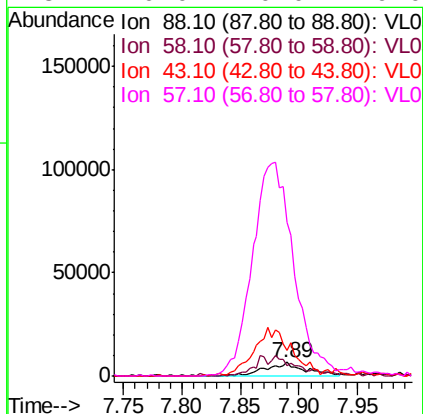
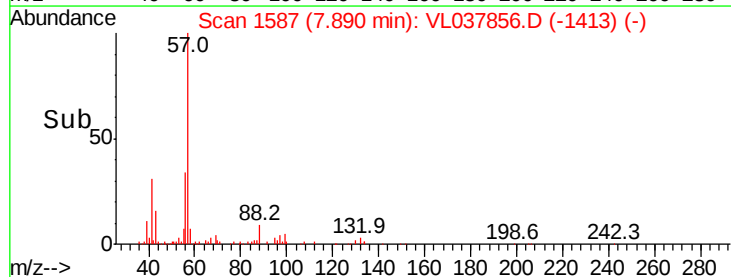
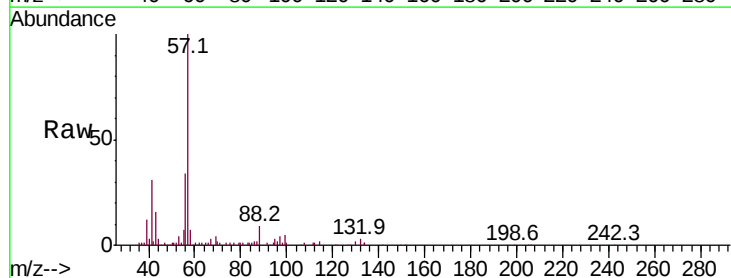
Ion Ratio Lower Upper

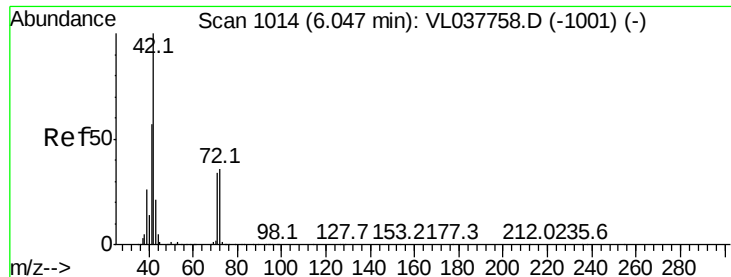
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.422 ppbv m

RT: 6.09

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

42 100

72 39.

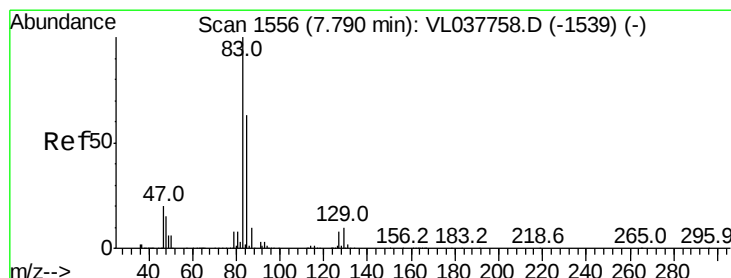
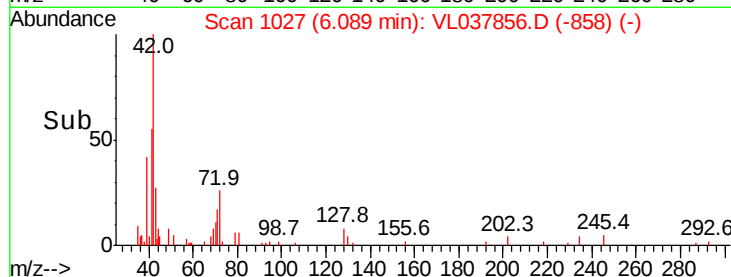
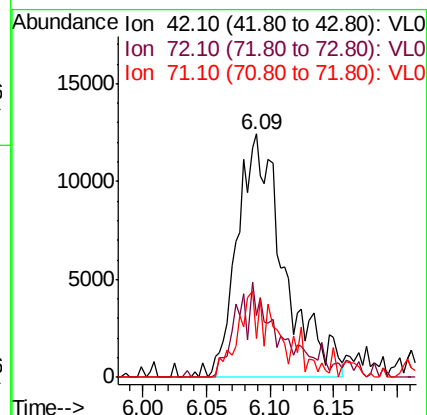
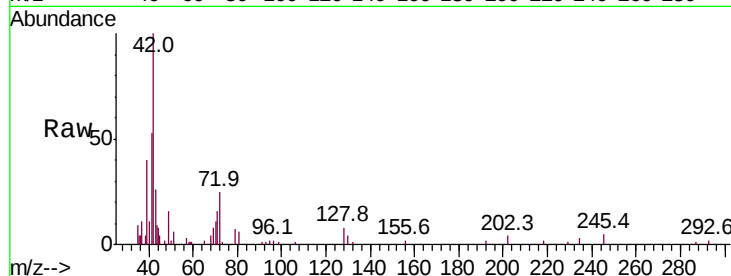
71 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#42

Bromodichloromethane

Concen: 0.509 ppbv m

RT: 7.79 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

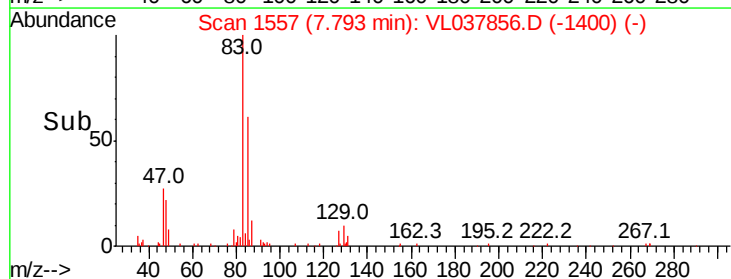
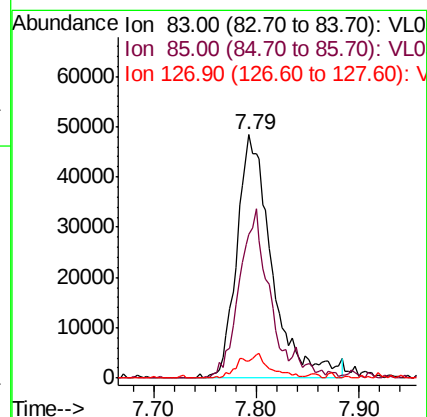
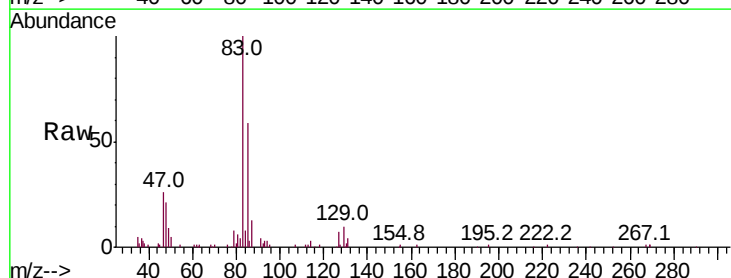
Tgt Ion: 83 Resp: 114435

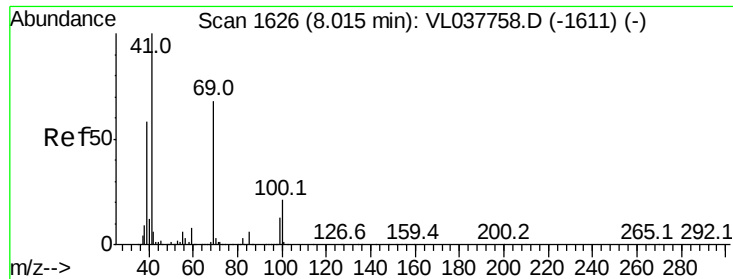
Ion Ratio Lower Upper

83 100

85 59.0 50.6 75.8

127 7.1 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.391 ppbv m

RT: 8.03

Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

69 100

41 148.

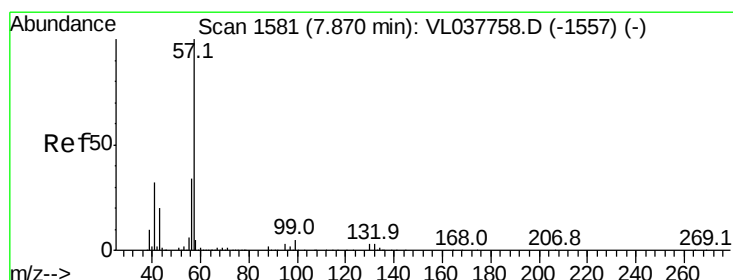
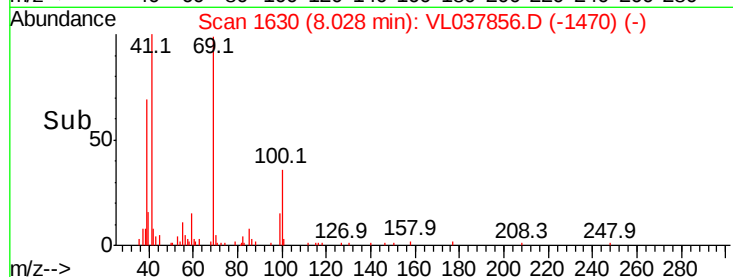
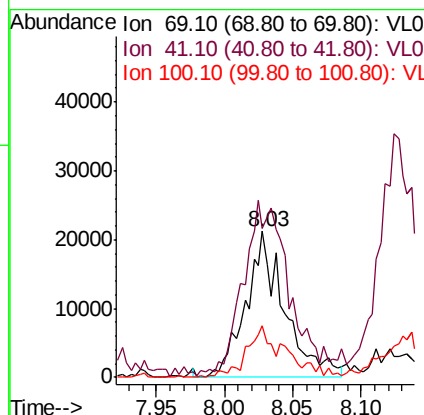
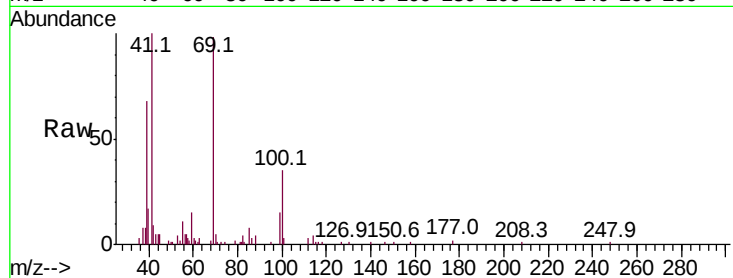
100 35.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#44

2,2,4-Trimethylpentane

Concen: 0.464 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

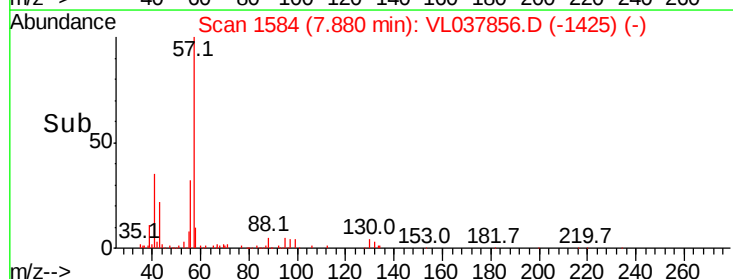
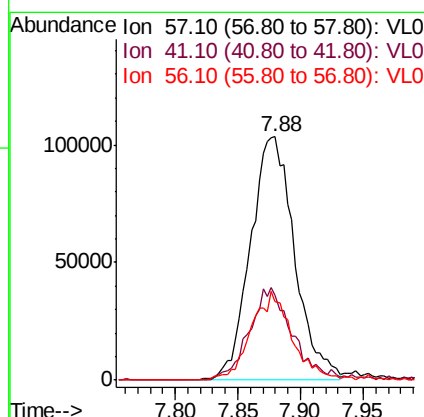
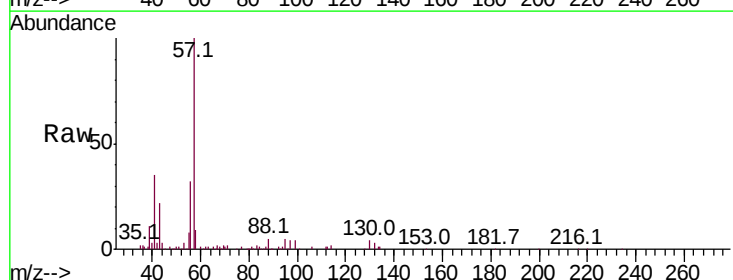
Tgt Ion: 57 Resp: 253351

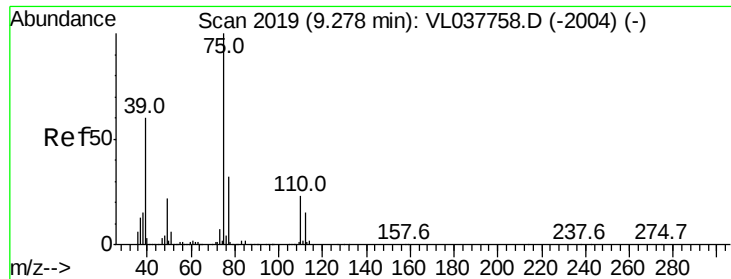
Ion Ratio Lower Upper

57 100

41 37.8 25.6 38.4

56 34.5 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.339 ppbv m

RT: 9.29 Instrument:

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33 LOQ-AIR-02-OT4-2021

Tot Ion:

Ion Ratio

75 100

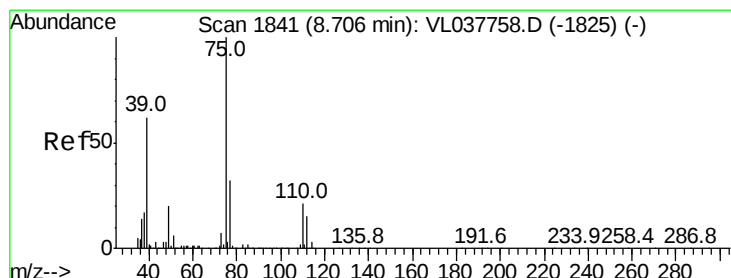
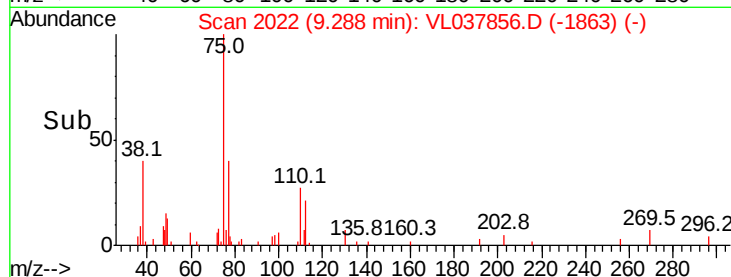
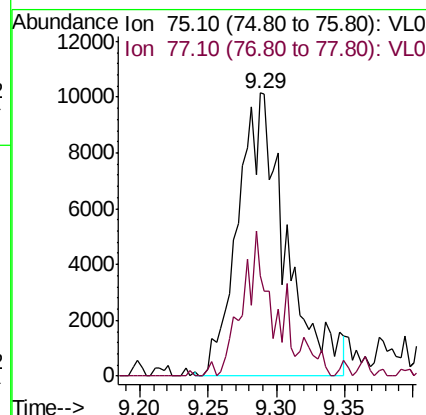
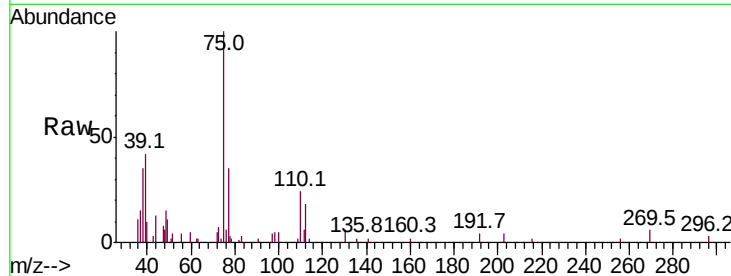
77 35.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#46

cis-1,3-Dichloropropene

Concen: 0.405 ppbv m

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

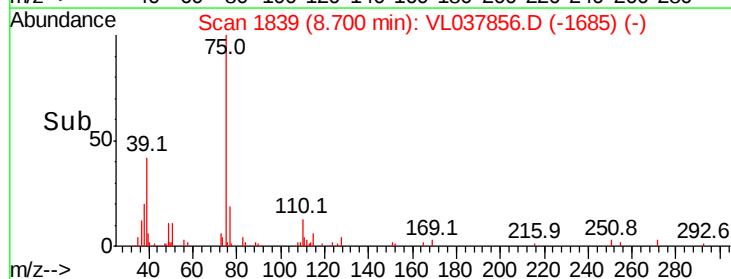
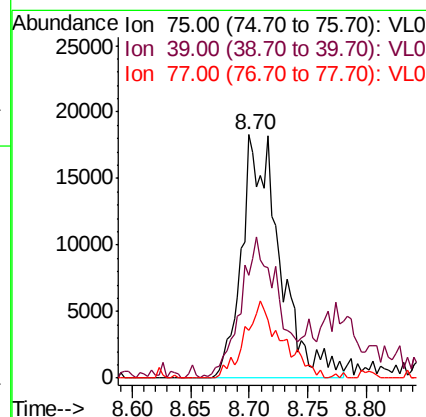
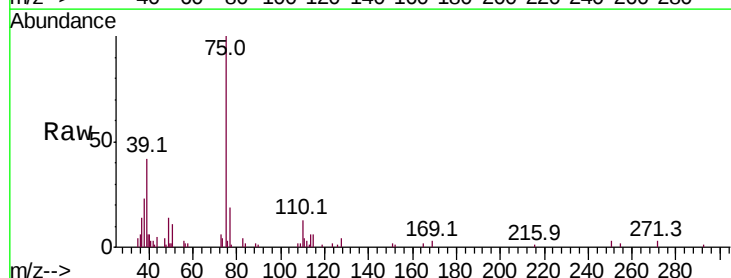
Tgt Ion: 75 Resp: 41084

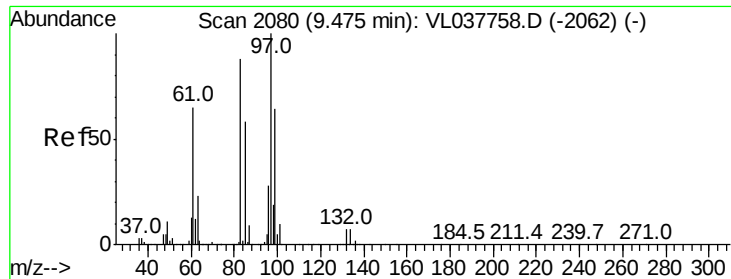
Ion Ratio Lower Upper

75 100

39 42.2 49.9 74.9#

77 19.5 25.9 38.9#



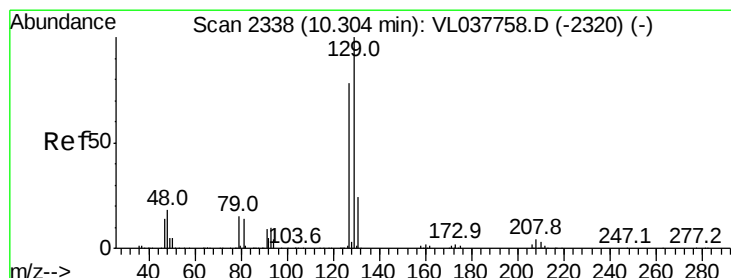
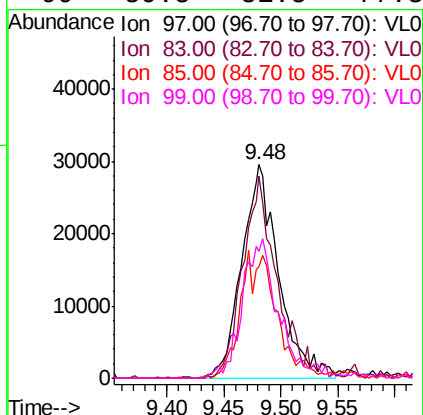
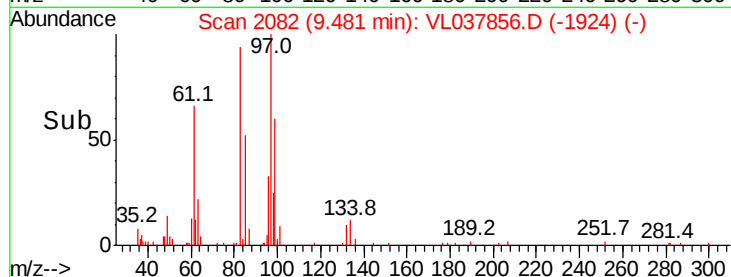
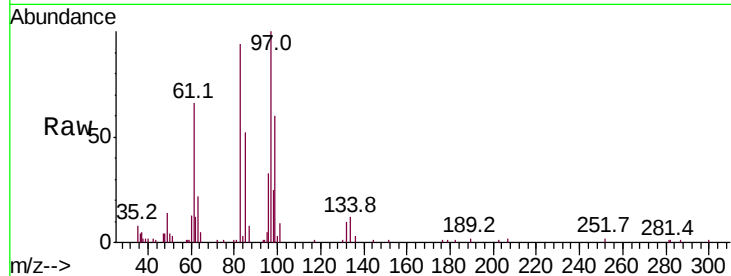


#47  
 1,1,2-Trichloroethane  
 Concen: 0.500 ppbv m  
 RT: 9.48  
 Instrument: MSVOA\_L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 18 Oct 2021 17:33

Tot Ion:  
 Ion Ratio  
 97 100  
 83 94.  
 85 52.  
 99 59.5 51.5 77.3

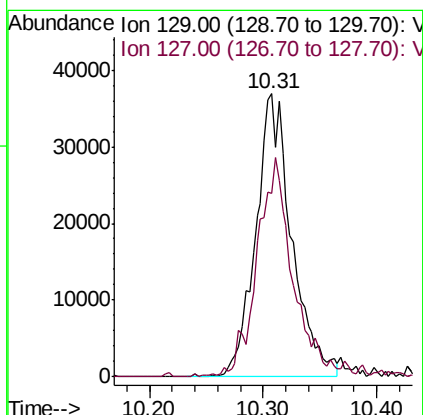
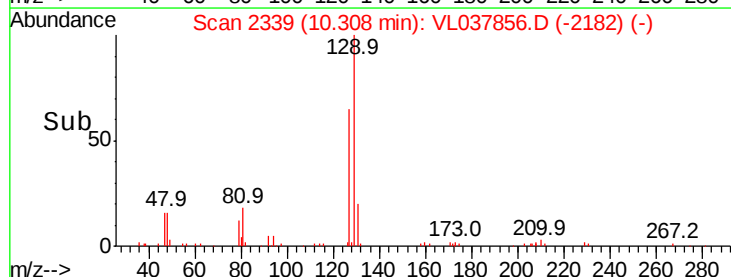
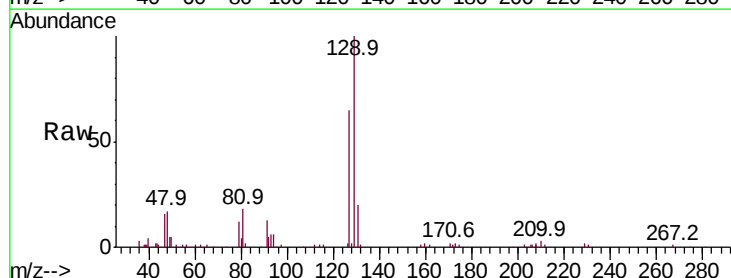
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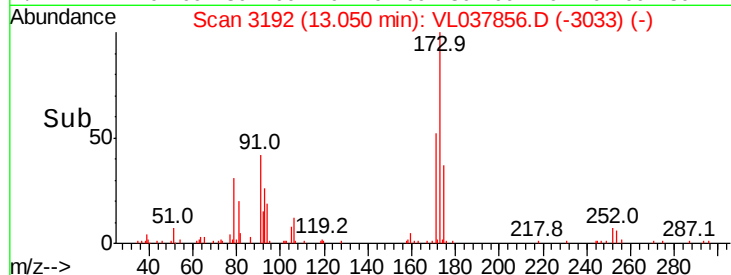
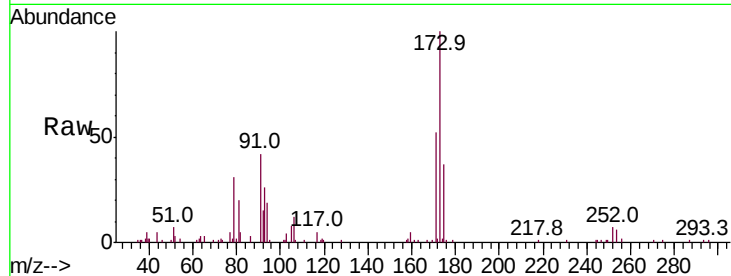
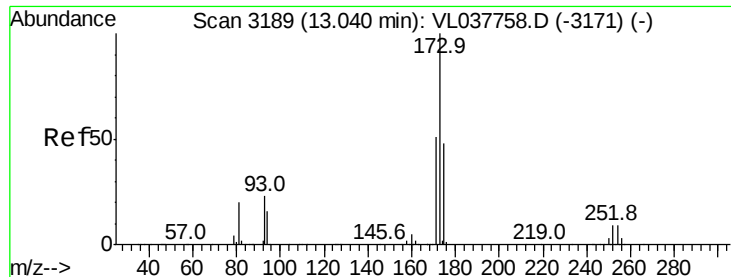
Reviewed By :Semsettin Yesilyurt 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#48  
 Dibromochloromethane  
 Concen: 0.428 ppbv m  
 RT: 10.31 min Scan# 2339  
 Delta R.T. 0.00 min  
 Lab File: VL037856.D  
 Acq: 18 Oct 2021 17:33

Tgt Ion:129 Resp: 81105  
 Ion Ratio Lower Upper  
 129 100  
 127 79.0 39.5 118.5





#49

Bromoform

Concen: 0.411 ppbv m

RT: 13.05

Delta R.T.

Lab File:

Acq: 18 Oct 2021 17:33

Instrument:

MSVOA\_L

ClientSampleId:

LOQ-AIR-02-OT4-2021

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021

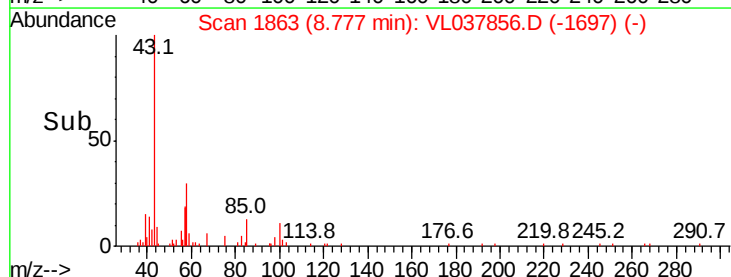
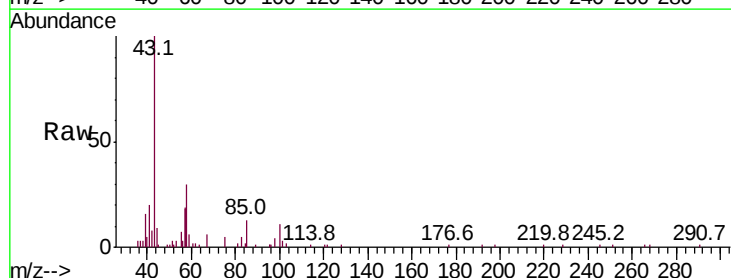
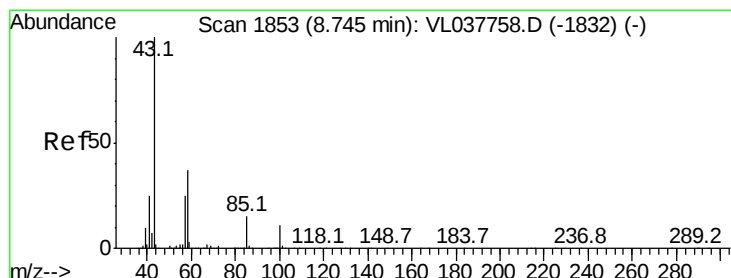
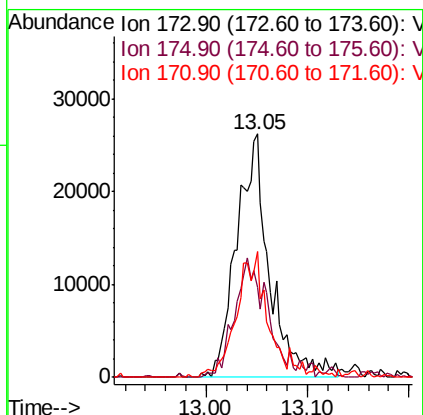
Tot Ion:1

Ion Ratio

173 100

175 0.

171 51.



#50

4-Methyl-2-Pentanone

Concen: 0.367 ppbv m

RT: 8.78 min Scan# 1863

Delta R.T. 0.03 min

Lab File: VL037856.D

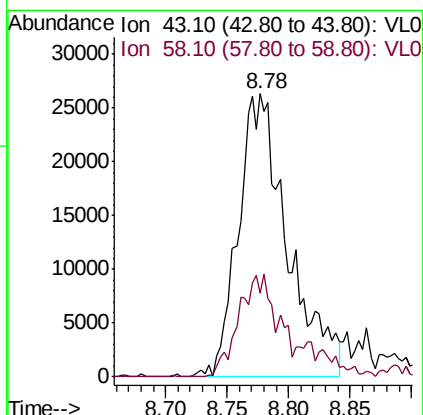
Acq: 18 Oct 2021 17:33

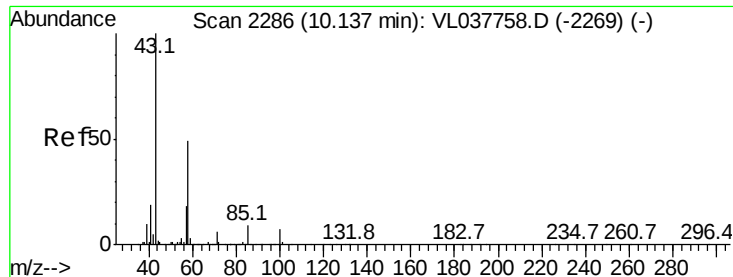
Tgt Ion: 43 Resp: 73376

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#



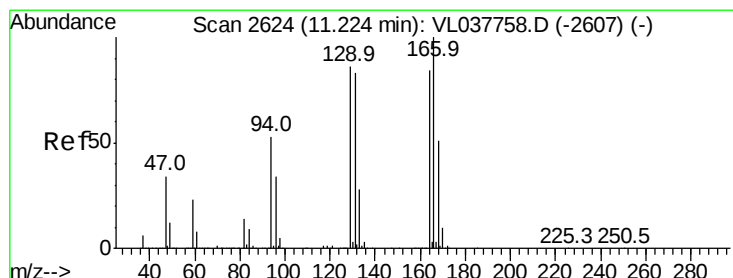
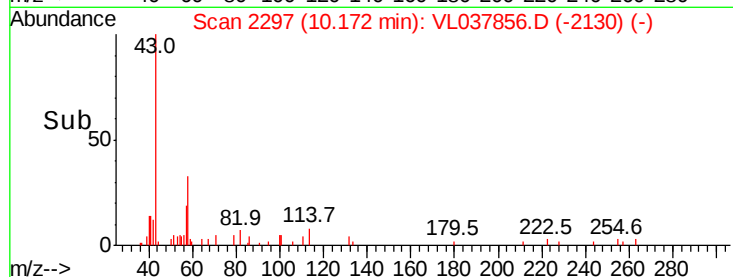
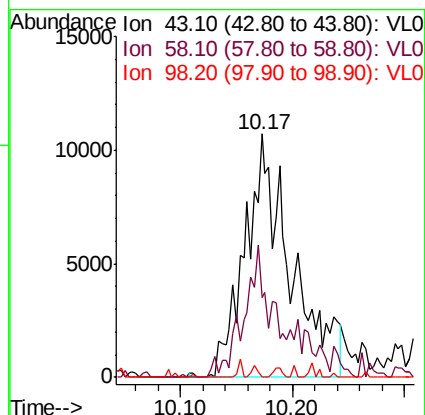
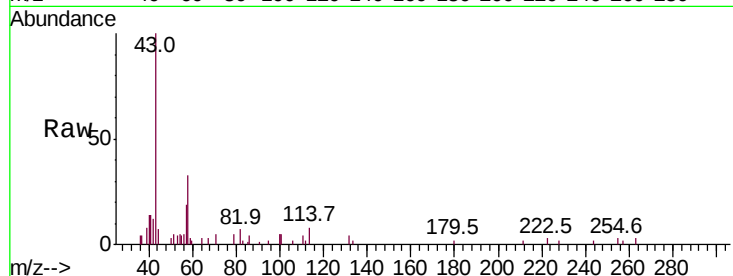


#51  
2-Hexanone  
Concen: 0.342 ppbv m  
RT: 10.17 min  
Instrument: MSVOA\_L  
Delta R.T.: 0.00 min  
Lab File: ClientSampleId :  
Acq: 18 Oct 2021 17:33

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

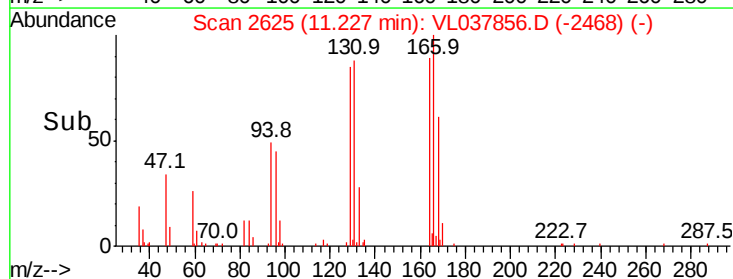
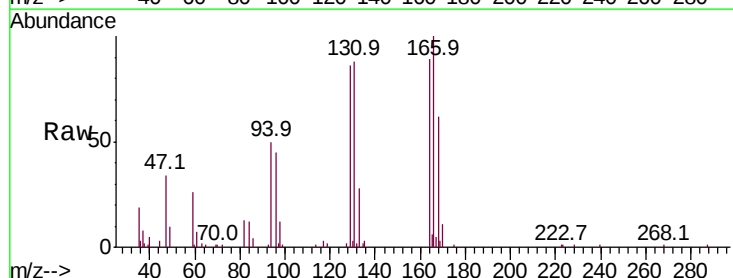
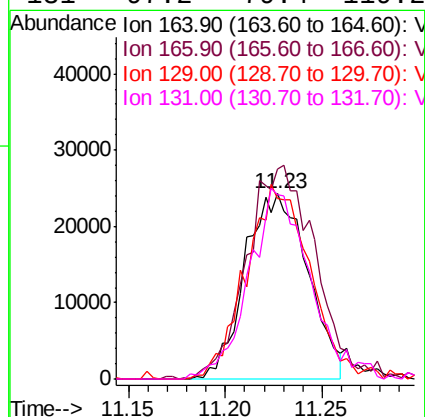
Manual Integrations  
APPROVED

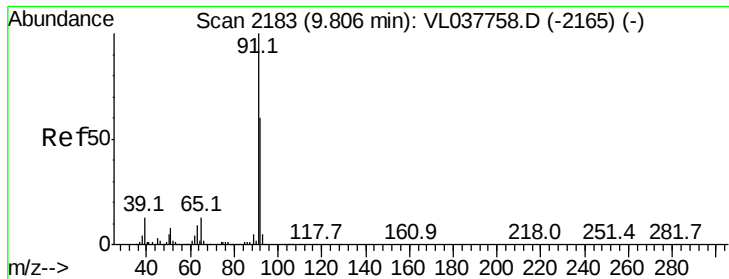
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#52  
Tetrachloroethene  
Concen: 0.434 ppbv  
RT: 11.23 min Scan# 2625  
Delta R.T. 0.00 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion:164 Resp: 54881  
Ion Ratio Lower Upper  
164 100  
166 112.9 95.4 143.2  
129 96.5 82.2 123.4  
131 97.2 79.4 119.2





#53

Toluene

Concen: 0.393 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33 LOQ-AIR-02-OT4-2021

Tot Ion:

Ion Ratio

91 100

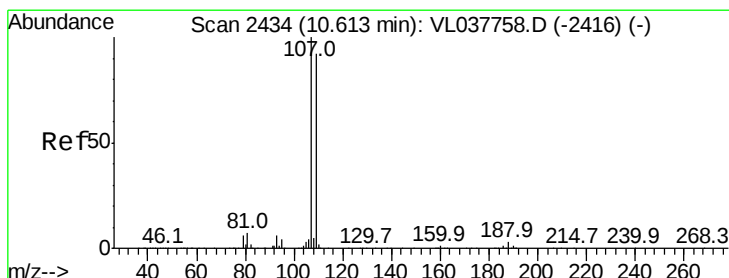
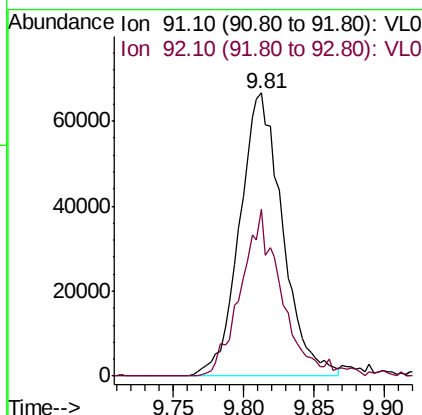
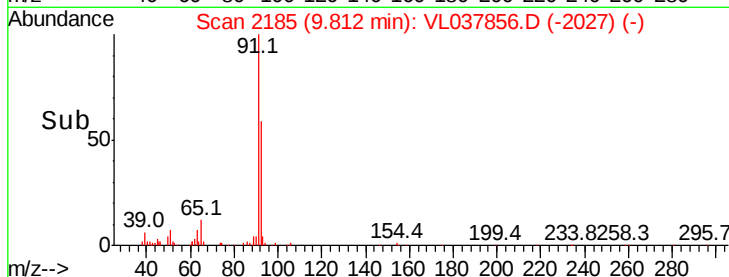
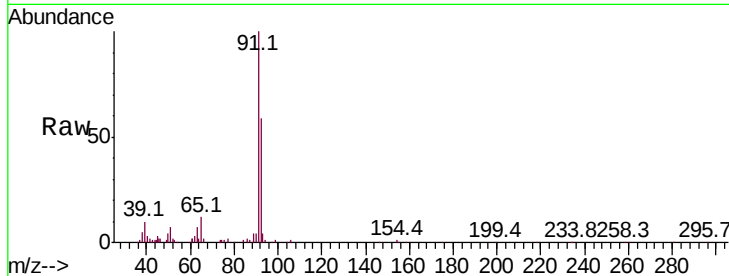
92 57.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#54

1,2-Dibromoethane

Concen: 0.426 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL037856.D

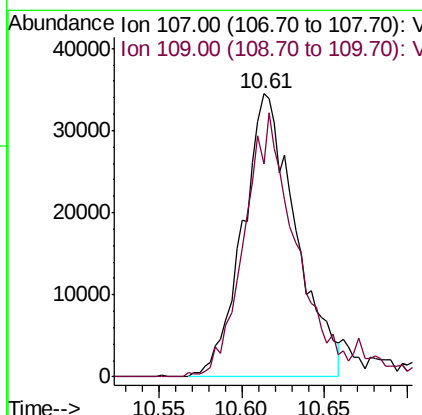
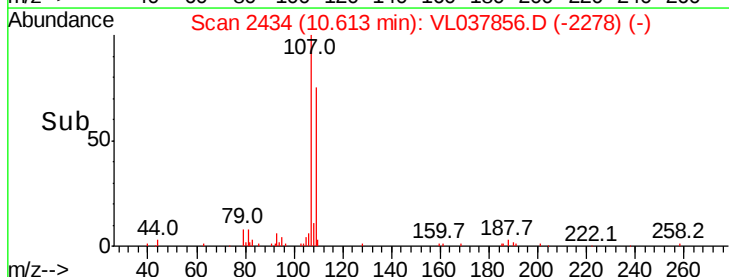
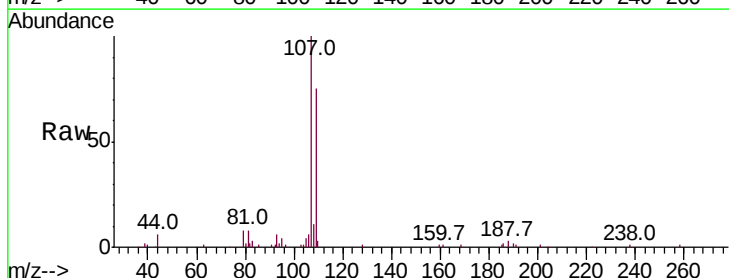
Acq: 18 Oct 2021 17:33

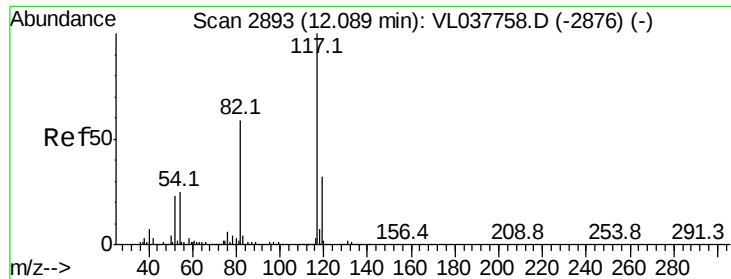
Tgt Ion:107 Resp: 76552

Ion Ratio Lower Upper

107 100

109 74.1 73.8 110.6



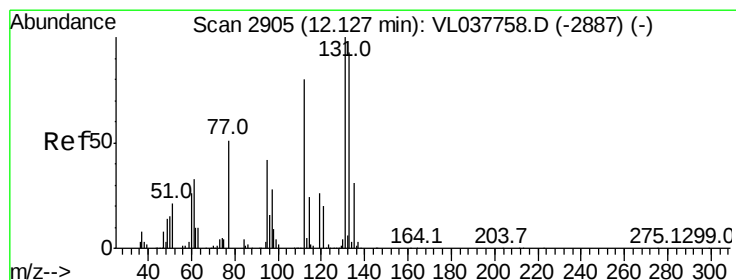
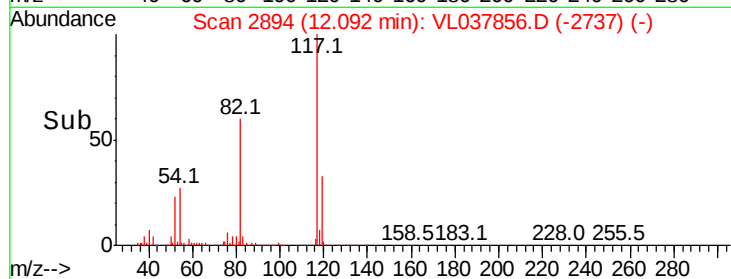
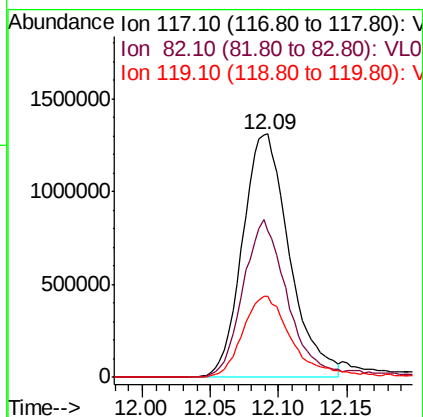
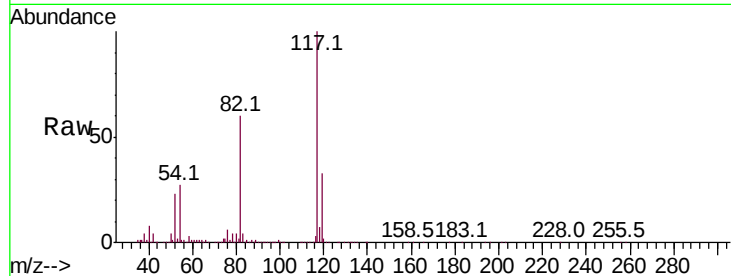


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 18 Oct 2021 17:33

Tot Ion:1  
Ion Ratio  
117 100  
82 65.  
119 36.

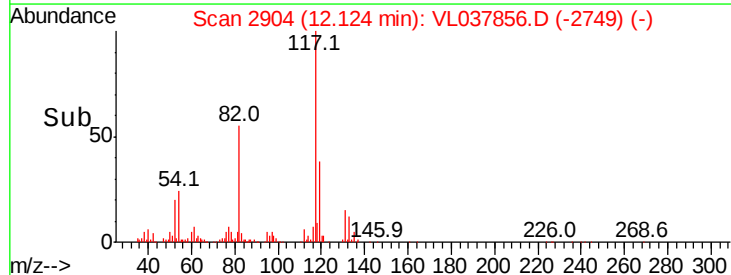
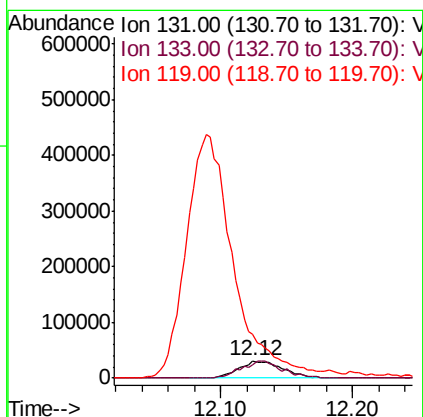
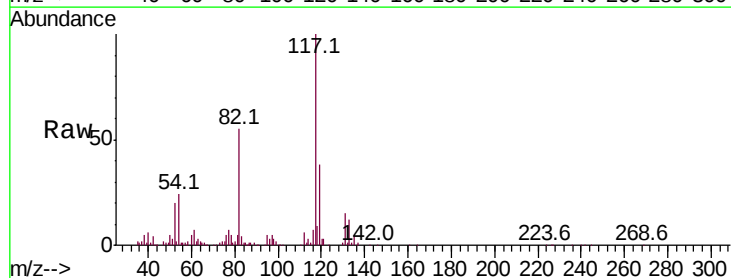
Manual Integrations  
APPROVED

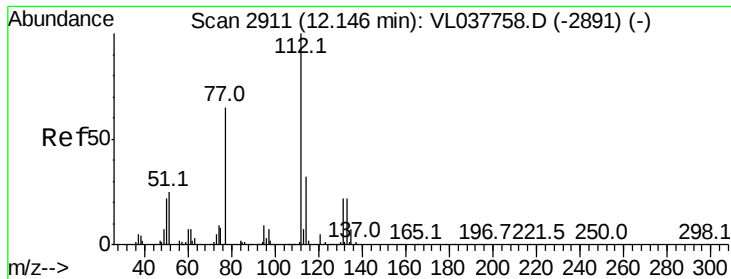
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.553 ppbv m  
RT: 12.12 min Scan# 2904  
Delta R.T. -0.00 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion:131 Resp: 71439  
Ion Ratio Lower Upper  
131 100  
133 97.8 78.5 117.7  
119 0.0 51.7 77.5#





#57

Chlorobenzene

Concen: 0.547 ppbv

RT: 12.15

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:1

Ion Rati

112 100

77 48.

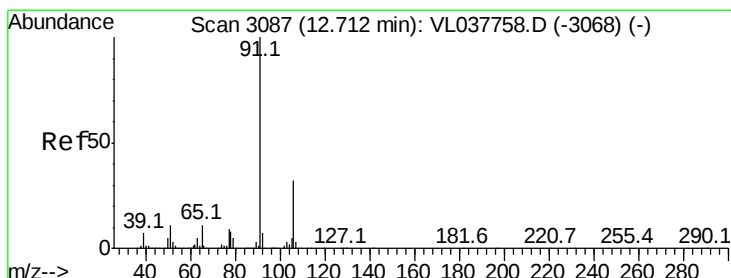
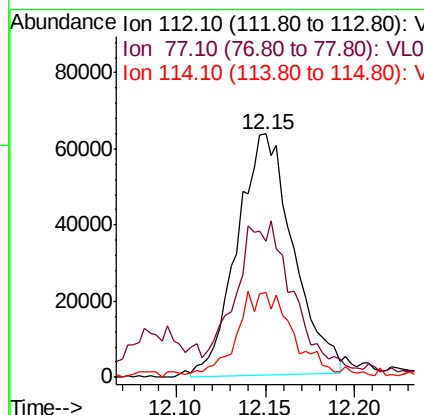
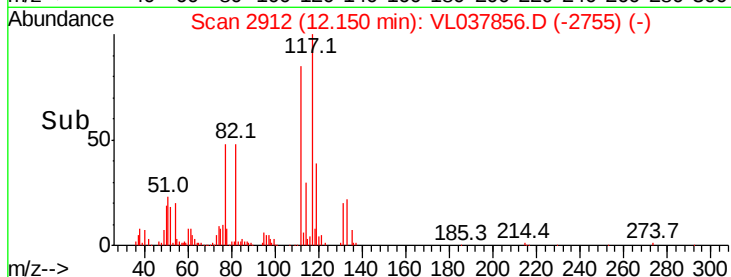
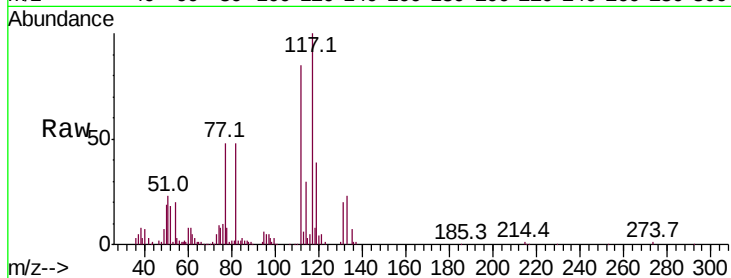
114 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#58

Ethyl Benzene

Concen: 0.404 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VL037856.D

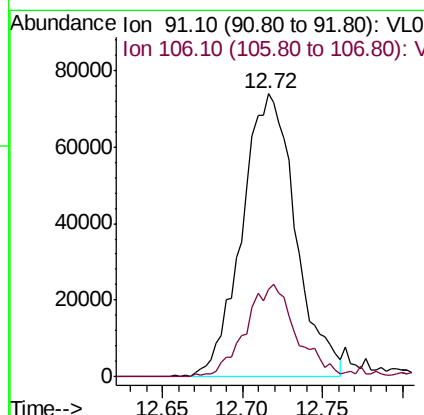
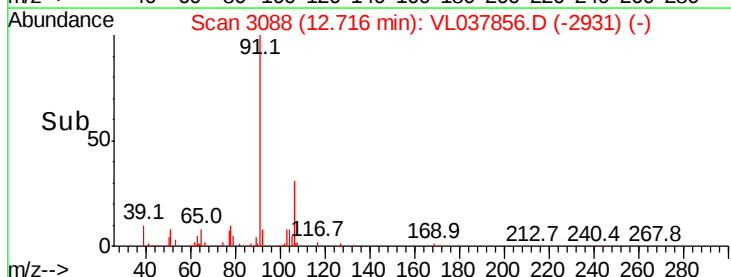
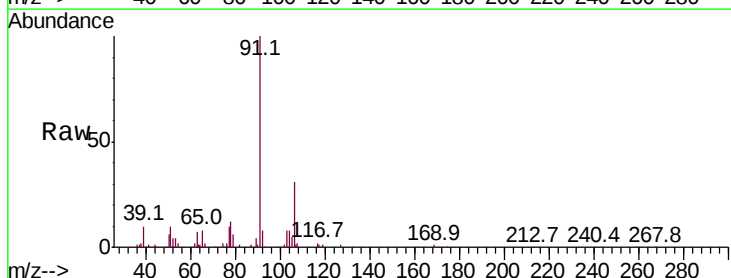
Acq: 18 Oct 2021 17:33

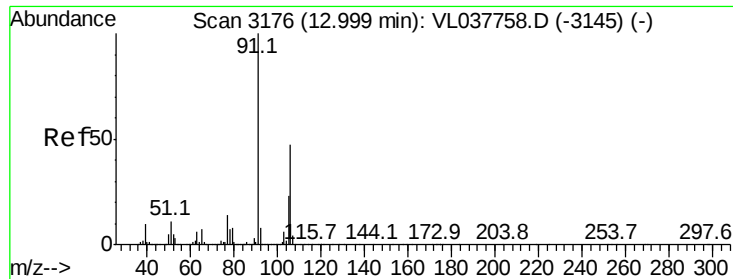
Tgt Ion: 91 Resp: 169531

Ion Ratio Lower Upper

91 100

106 30.9 25.3 37.9





#59

m/p-Xylene

Concen: 0.936 ppbv m

RT: 13.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 17:33

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2021

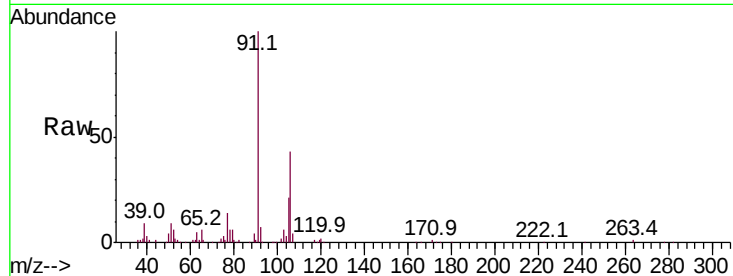
Supervised By :Mahesh Dadoda 10/27/2021

Tot Ion:

Ion Ratio

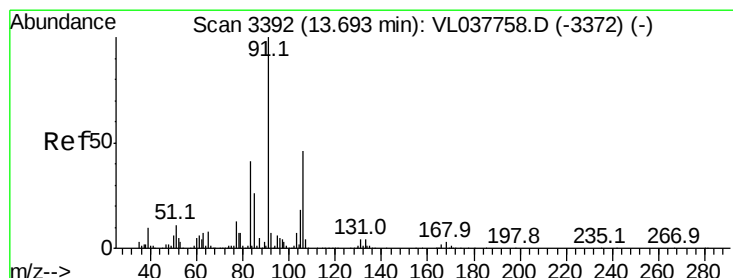
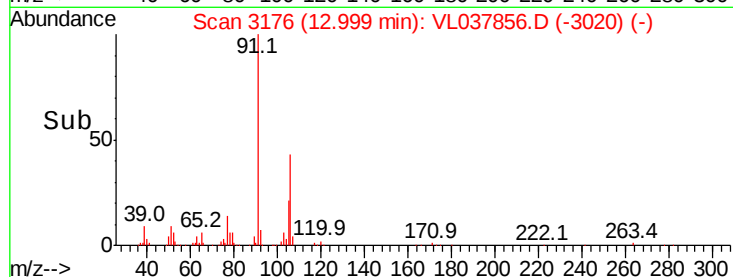
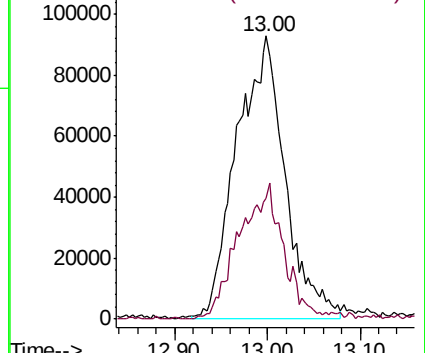
91 100

106 44.



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.445 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VL037856.D

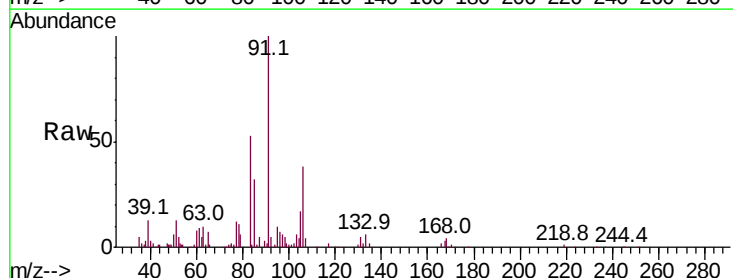
Acq: 18 Oct 2021 17:33

Tgt Ion: 91 Resp: 153568

Ion Ratio Lower Upper

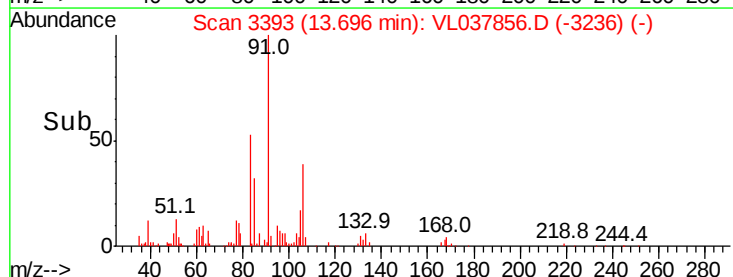
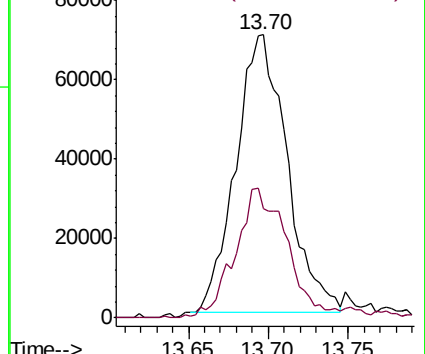
91 100

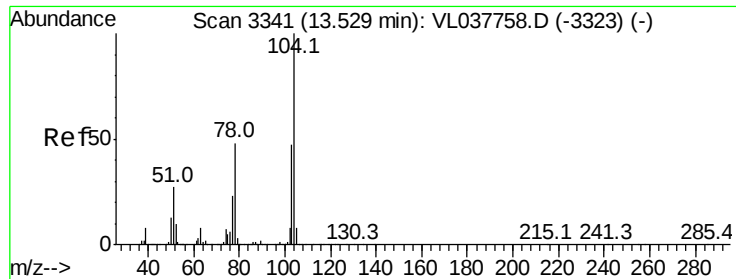
106 50.0 23.5 70.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



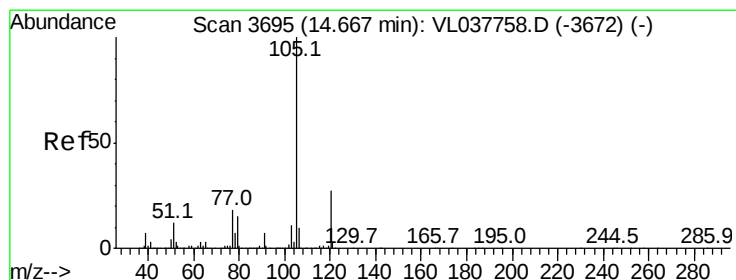
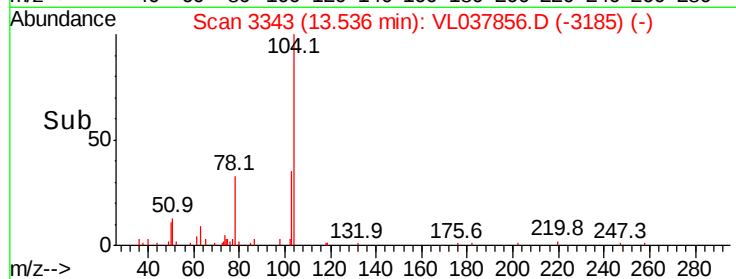
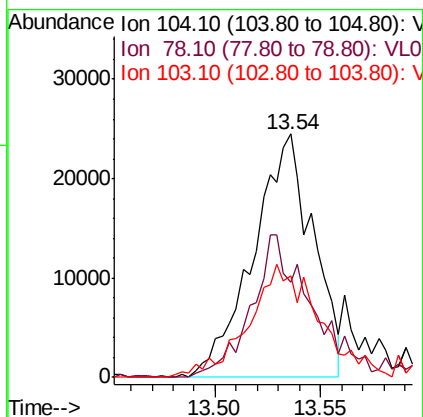
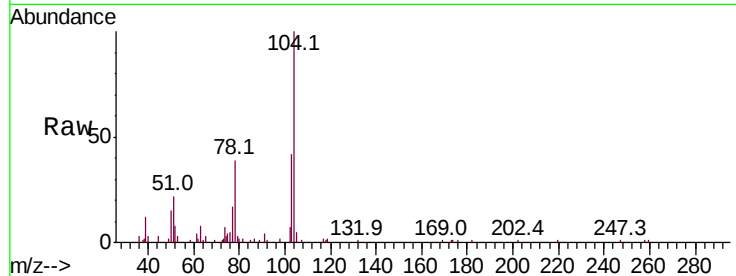


#61  
Stvrene  
Concen: 0.289 ppbv  
RT: 13.54  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 18 Oct 2021 17:33

Tot Ion:1  
Ion Rati  
104 100  
78 60.  
103 54.

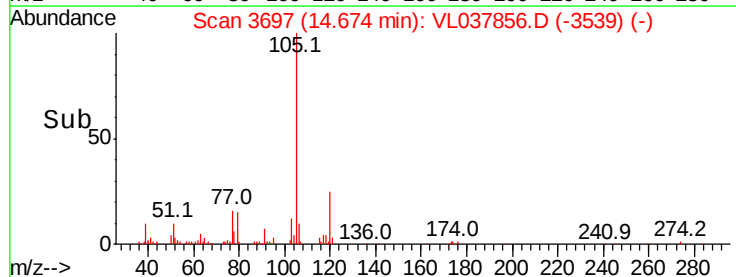
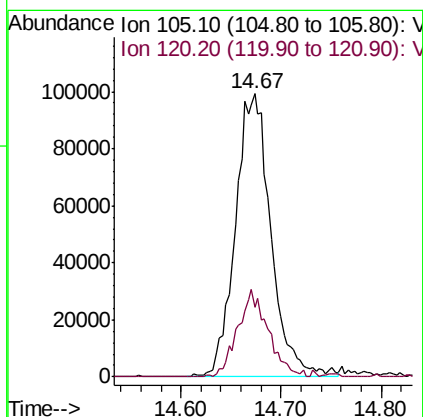
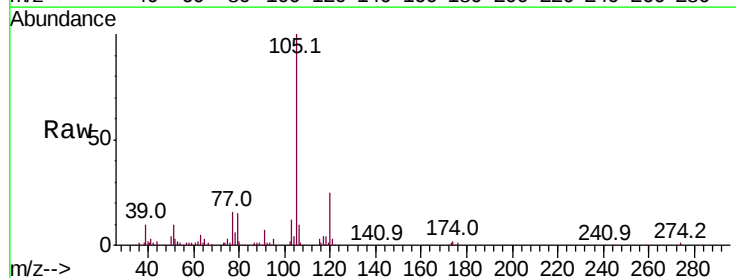
Manual Integrations  
APPROVED

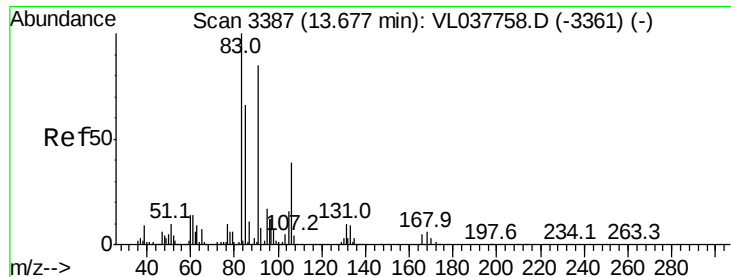
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#62  
Isopropylbenzene  
Concen: 0.507 ppbv m  
RT: 14.67 min Scan# 3697  
Delta R.T. 0.01 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion:105 Resp: 243980  
Ion Ratio Lower Upper  
105 100  
120 27.2 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 0.565 ppbv m

RT: 13.69

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

83 100

131 9.

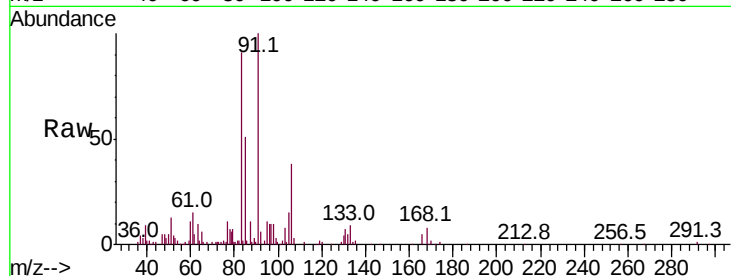
85 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

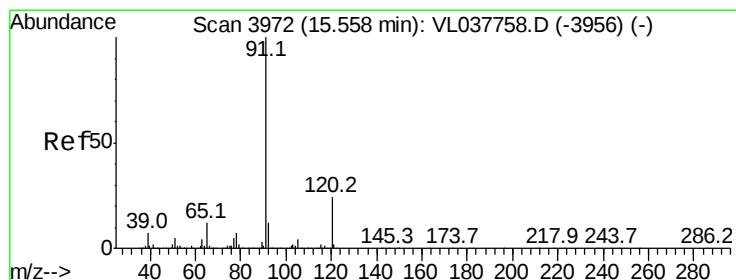
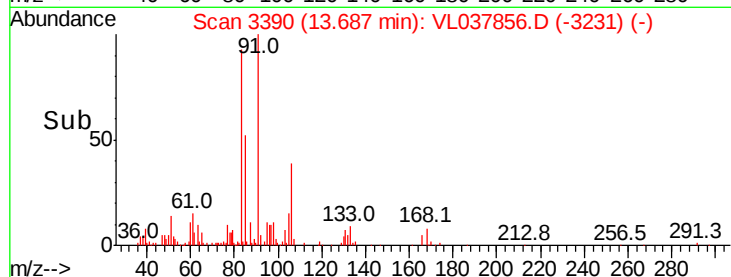
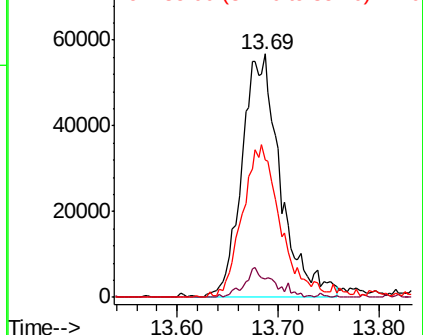
Supervised By :Mahesh Dadoda 10/27/2021



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: 0.489 ppbv m

RT: 15.57 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VL037856.D

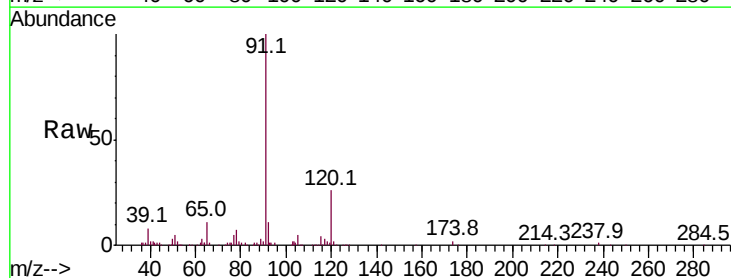
Acq: 18 Oct 2021 17:33

Tgt Ion:120 Resp: 58608

Ion Ratio Lower Upper

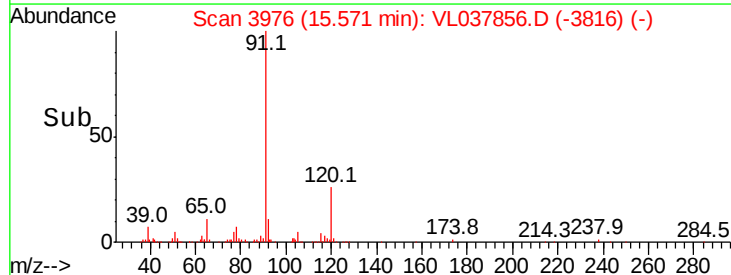
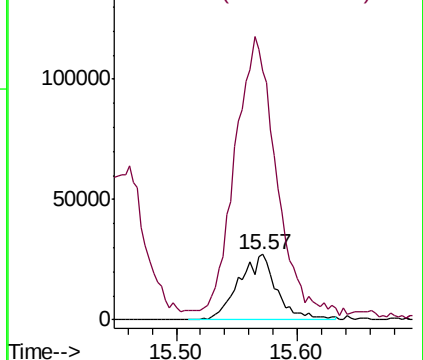
120 100

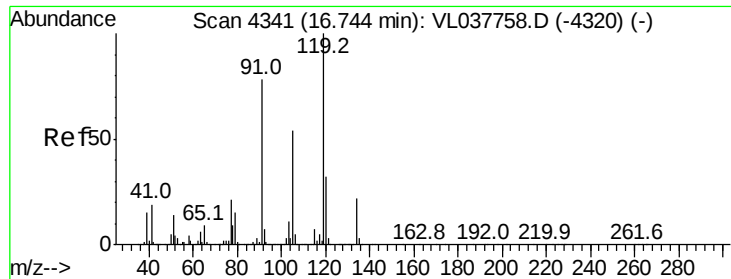
91 498.9 375.0 562.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.489 ppbv m

RT: 16.75

Delta R.T. MSVOA\_L

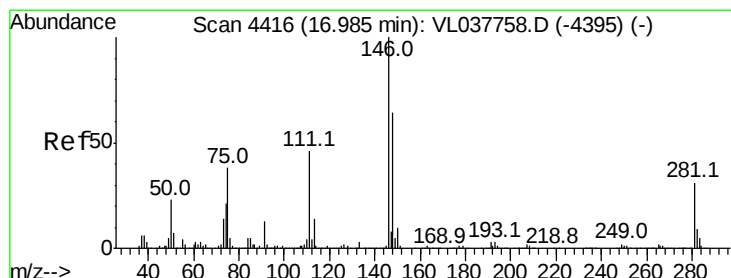
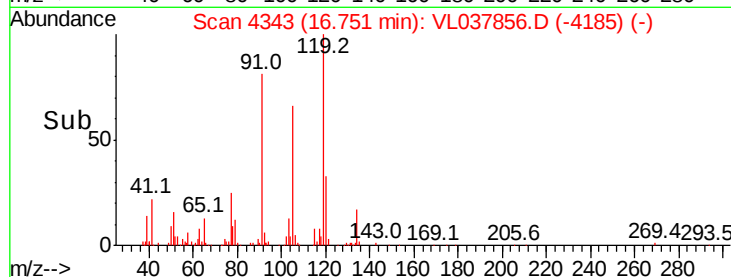
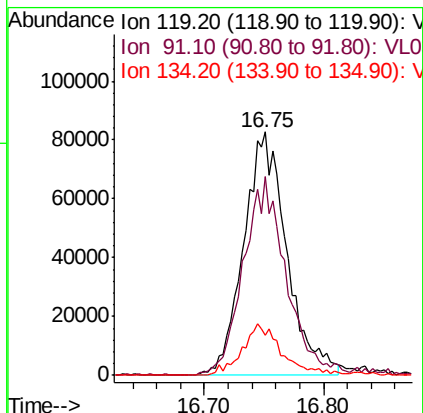
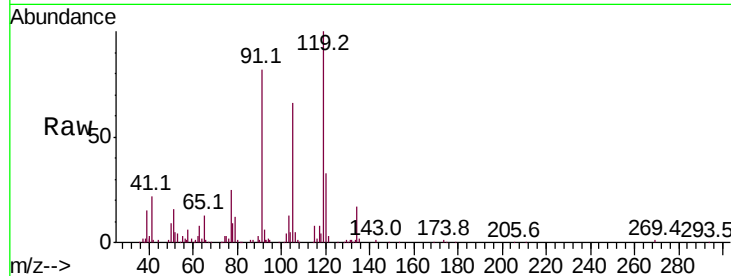
Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:1  
Ion Rati  
119 100  
91 82.  
134 20.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#66

Benzyl Chloride

Concen: 0.463 ppbv m

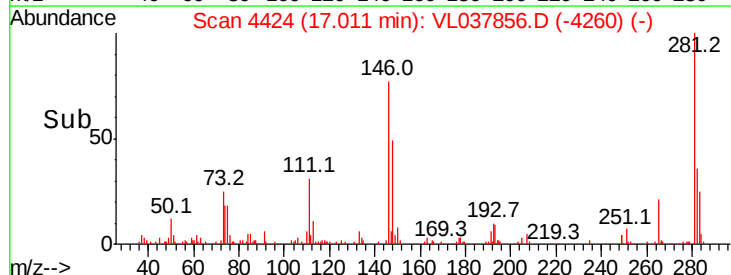
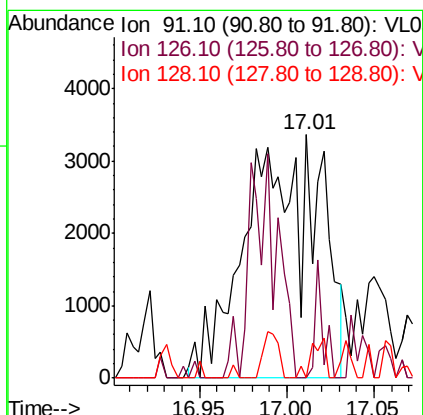
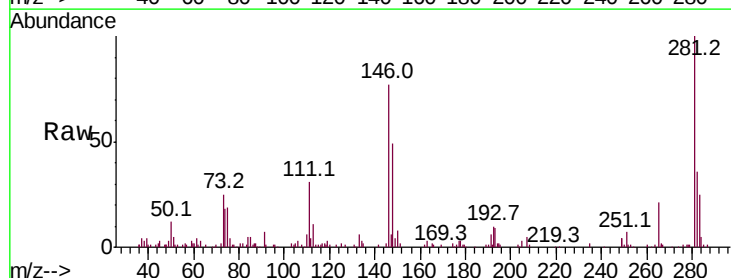
RT: 17.01 min Scan# 4424

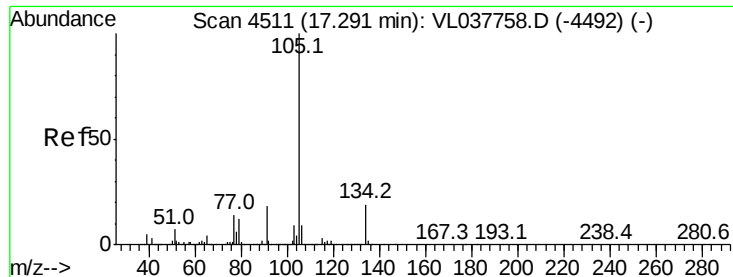
Delta R.T. 0.03 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

Tgt Ion: 91 Resp: 9668  
Ion Ratio Lower Upper  
91 100  
126 40.3 0.0 0.0#  
128 4.1 5.3 7.9#





#67

sec-Butylbenzene

Concen: 0.498 ppbv

RT: 17.29

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Manual Integrations  
APPROVED

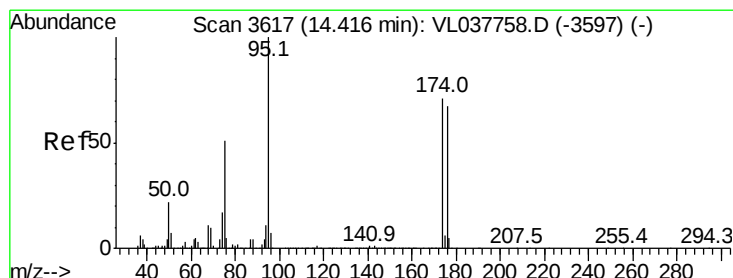
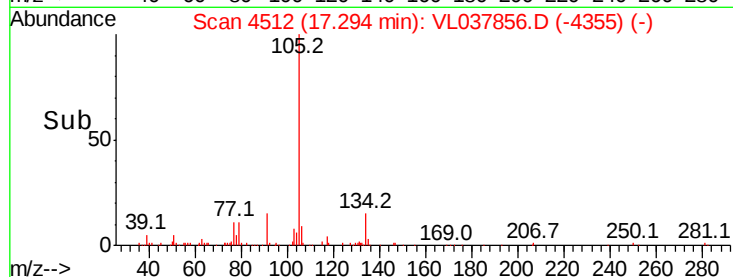
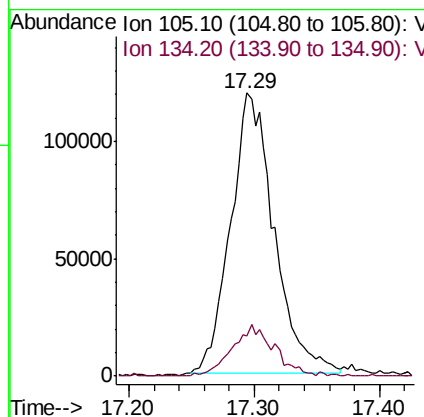
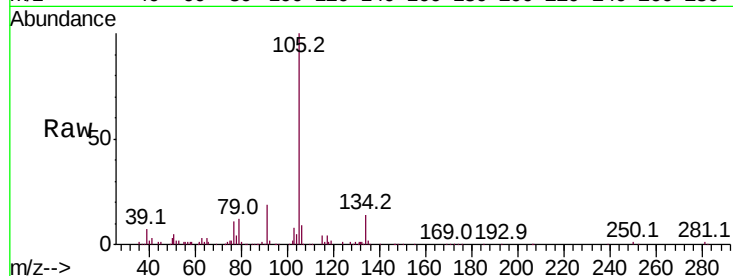
Tot Ion:1

Ion Ratio

105 100

134 17.

Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.469 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

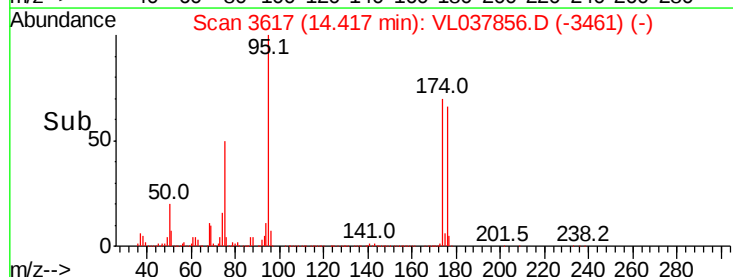
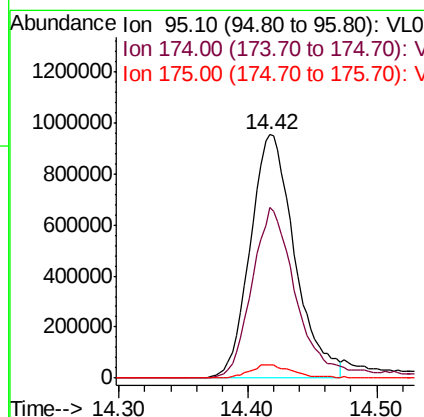
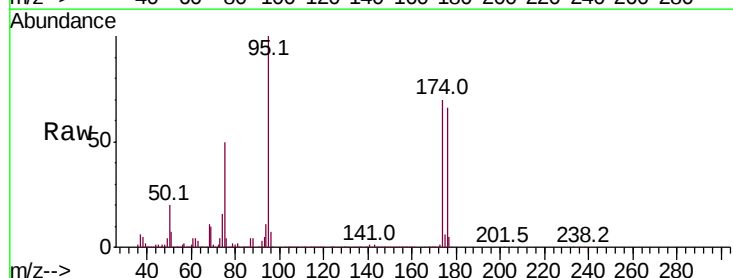
Tgt Ion: 95 Resp: 2285127

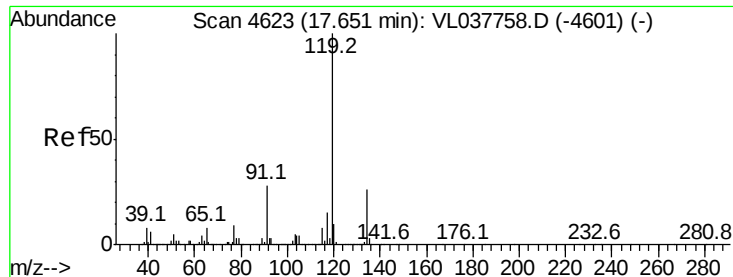
Ion Ratio Lower Upper

95 100

174 74.7 57.8 86.6

175 5.4 4.7 7.1



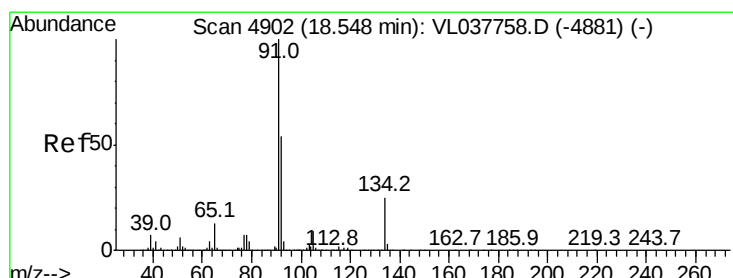
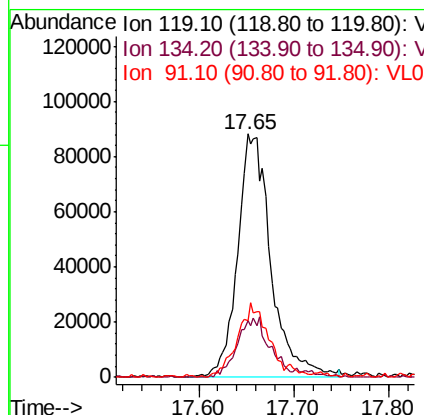
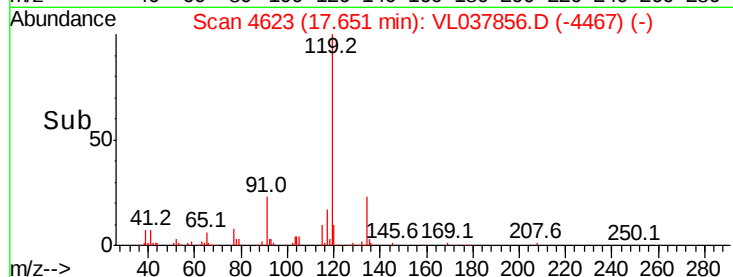
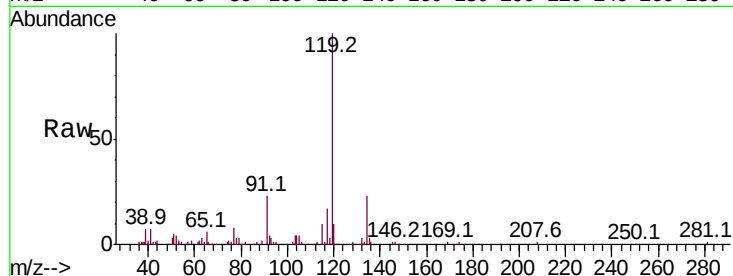


#69  
 p-Isopropyltoluene  
 Concen: 0.462 ppbv  
 RT: 17.65 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 18 Oct 2021 17:33

Tot Ion: 1  
 Ion Ratio  
 119 100  
 134 0.  
 91 29.

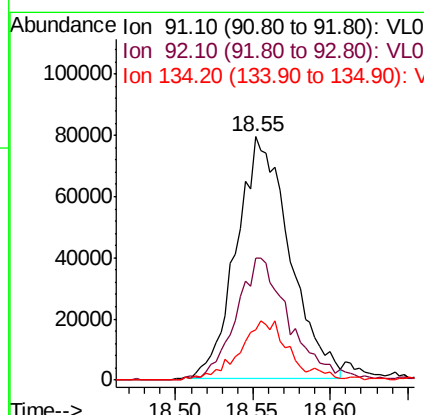
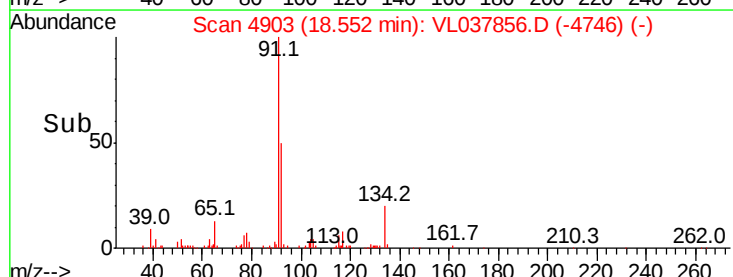
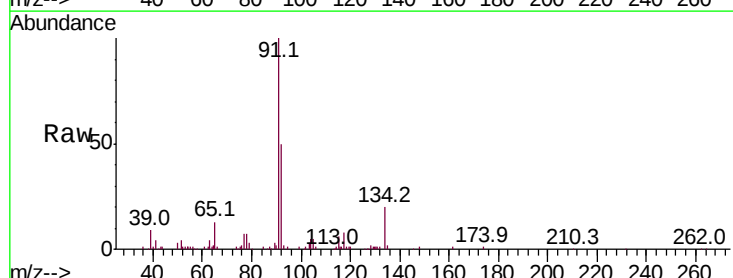
Manual Integrations  
 APPROVED

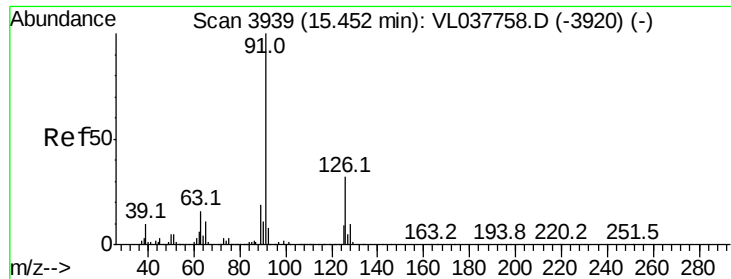
Reviewed By : Semsettin Yesilyurt 10/25/2021  
 Supervised By : Mahesh Dadoda 10/27/2021



#70  
 n-Butylbenzene  
 Concen: 0.423 ppbv  
 RT: 18.55 min Scan# 4903  
 Delta R.T. 0.00 min  
 Lab File: VL037856.D  
 Acq: 18 Oct 2021 17:33

Tgt Ion: 91 Resp: 187865  
 Ion Ratio Lower Upper  
 91 100  
 92 52.4 43.4 65.0  
 134 23.5 19.8 29.6





#71

2-Chlorotoluene

Concen: 0.453 ppbv m

RT: 15.46

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 17:33

Tot Ion:

Ion Ratio

91 100

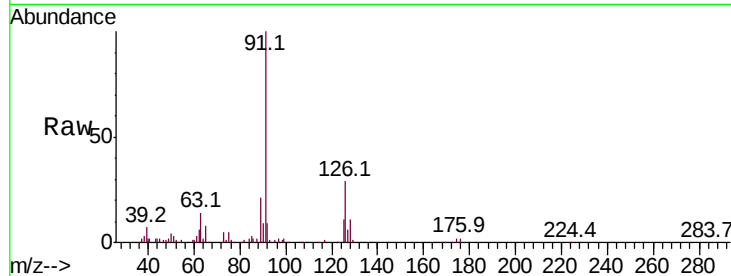
126 31.

Manual Integrations

APPROVED

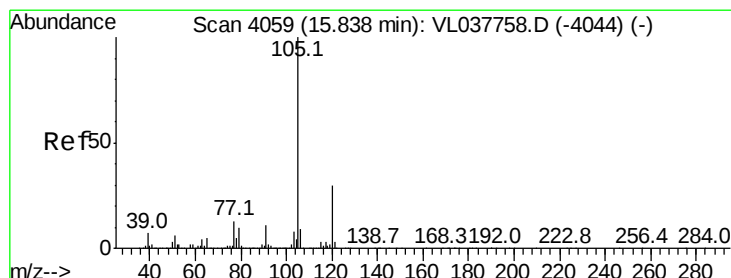
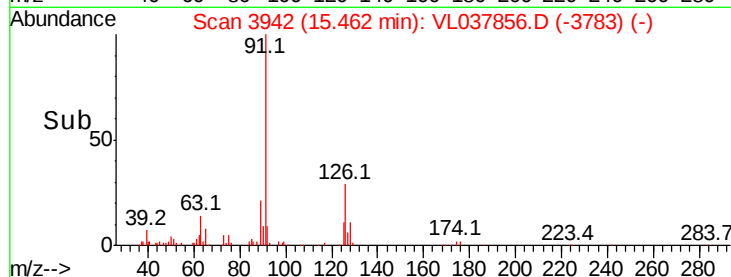
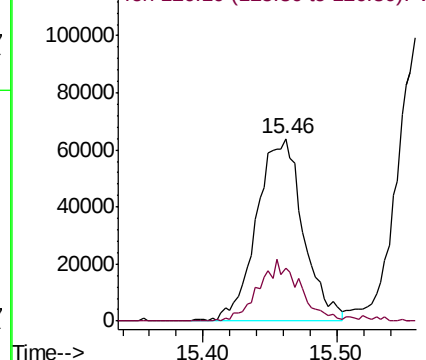
Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.450 ppbv m

RT: 15.84 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

Tgt Ion:105 Resp: 176355

Ion Ratio Lower Upper

105 100

120 0.0 24.2 36.2#

91 16.0 10.4 15.6#

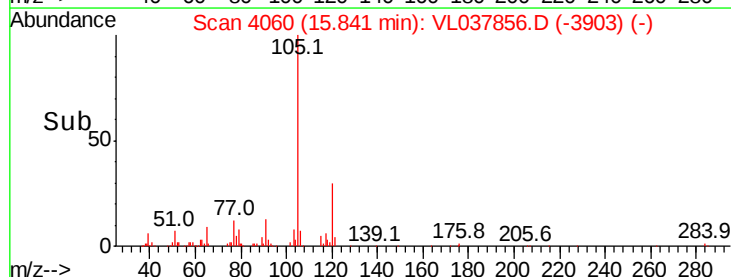
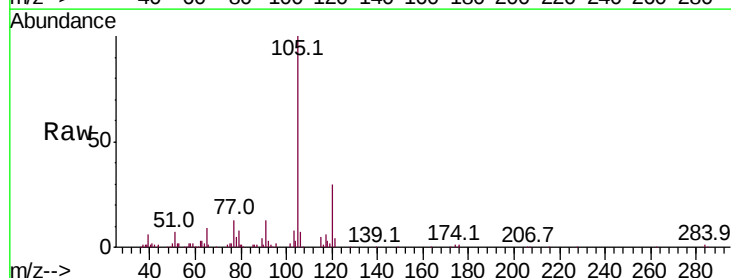
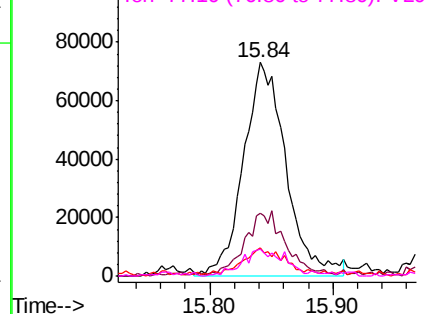
77 13.9 10.3 15.5

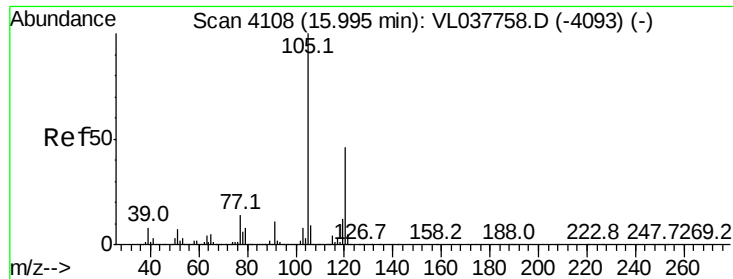
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



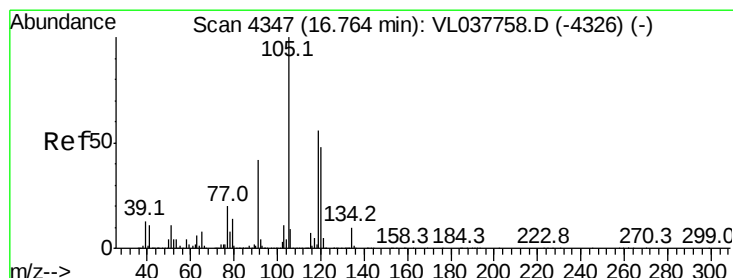
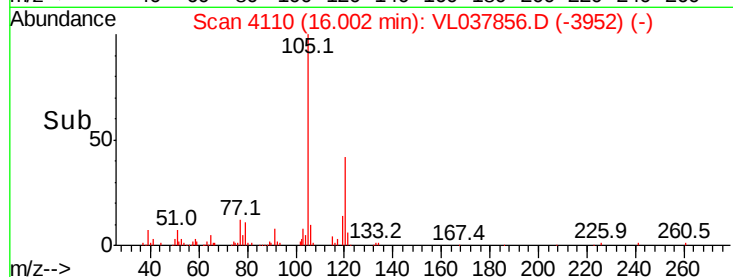
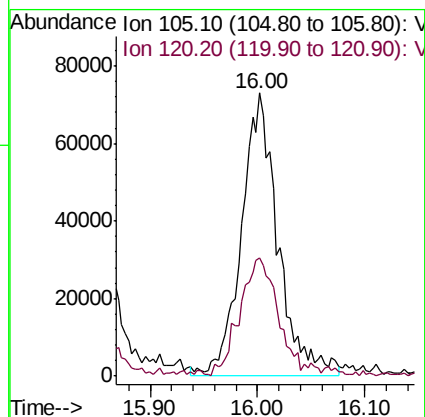
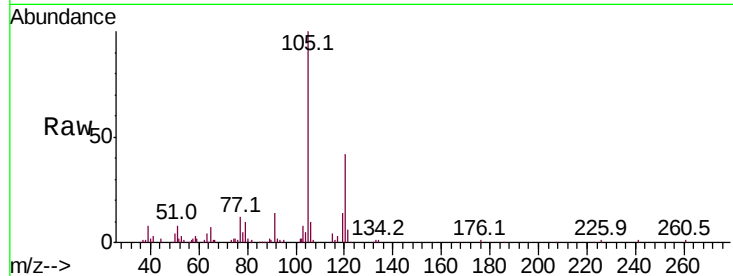


#73  
 1,3,5-Trimethylbenzene  
 Concen: 0.486 ppbv m  
 RT: 16.00  
 Instrument: MSVOA\_1  
 Delta R.T.  
 ClientSampleId:  
 Lab File: LOQ-AIR-02-QT4-2021  
 Acq: 18 Oct 2021 17:33

Tot Ion:1  
 Ion Rati  
 105 100  
 120 41.

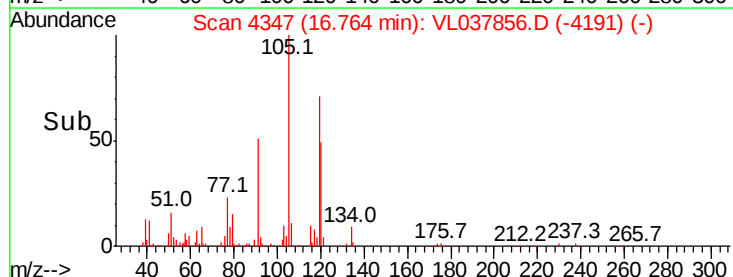
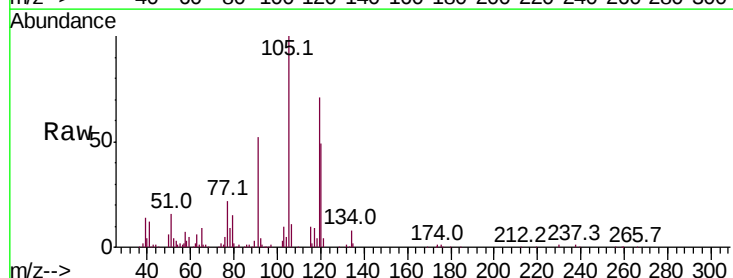
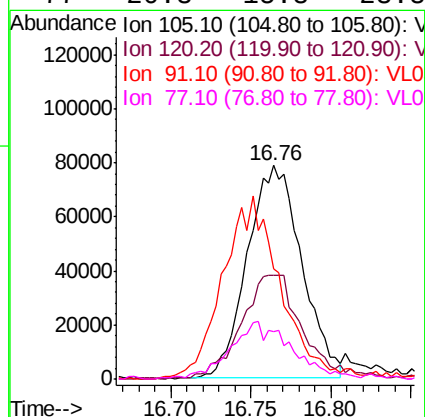
Manual Integrations  
 APPROVED

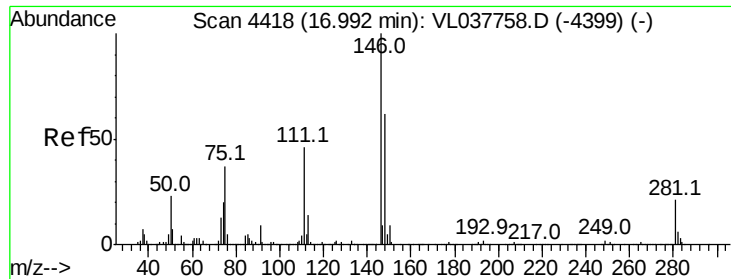
Reviewed By :Semsettin Yesilyurt 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021



#74  
 1,2,4-Trimethylbenzene  
 Concen: 0.494 ppbv  
 RT: 16.76 min Scan# 4347  
 Delta R.T. 0.00 min  
 Lab File: VL037856.D  
 Acq: 18 Oct 2021 17:33

Tgt Ion:105 Resp: 184316  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 38.4 57.6  
 91 48.7 34.2 51.2  
 77 20.3 15.8 23.8





#75

1,3-Dichlorobenzene

Concen: 0.539 ppbv m

RT: 17.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 17:33

Tot Ion:1

Ion Rati

146 100

111 49.

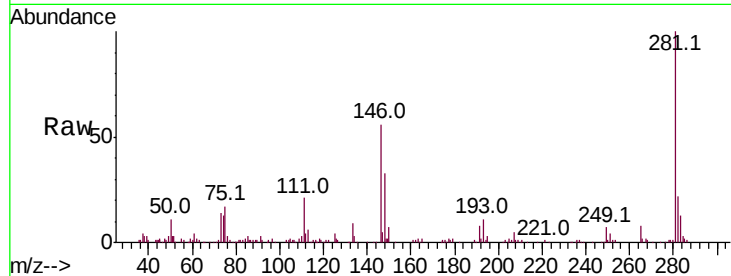
148 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

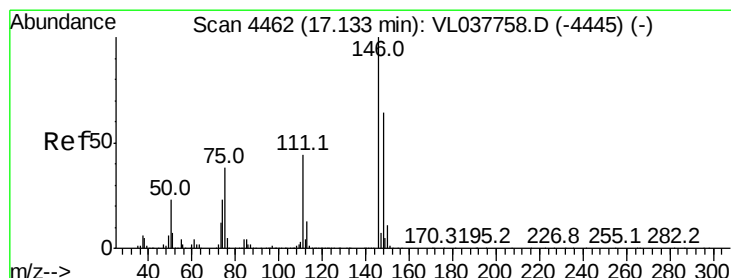
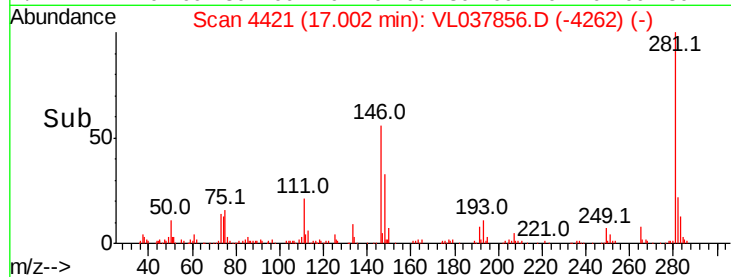
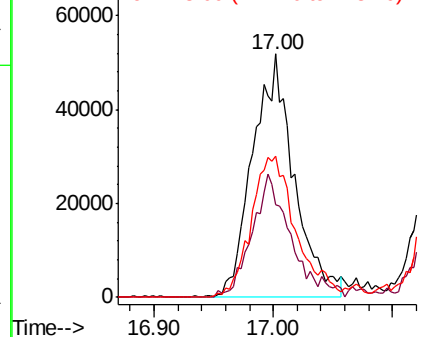
Supervised By :Mahesh Dadoda 10/27/2021



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.466 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.00 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

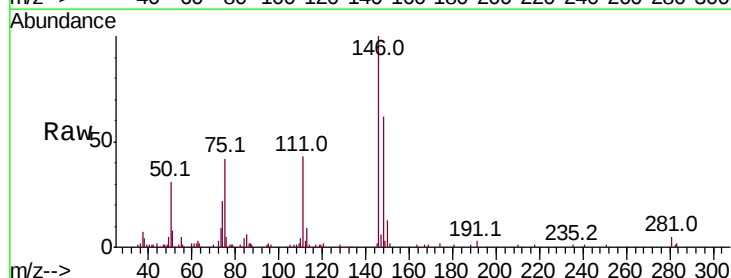
Tgt Ion:146 Resp: 102751

Ion Ratio Lower Upper

146 100

111 52.1 22.4 67.3

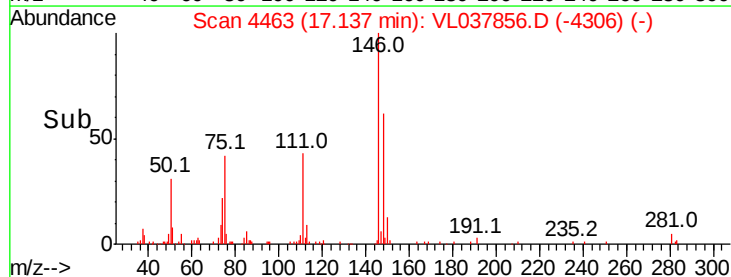
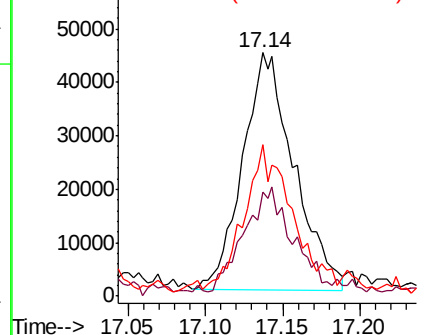
148 72.3 33.3 99.9

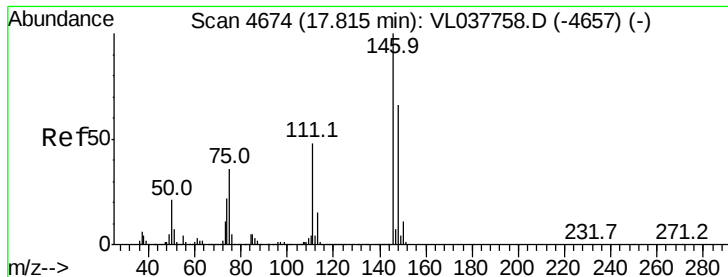


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.525 ppbv m

RT: 17.82

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 17:33

Tot Ion:1

Ion Rati

146 100

111 48.

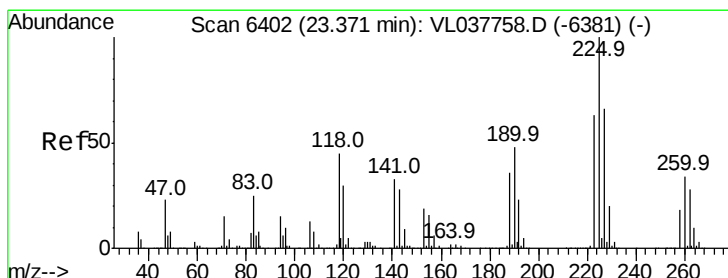
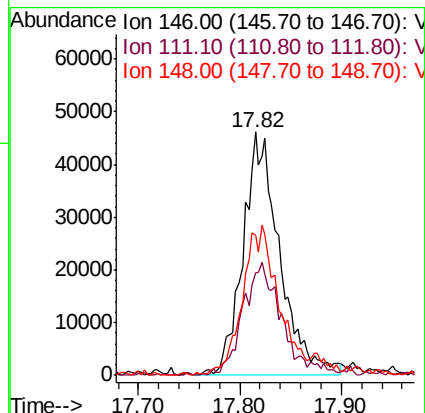
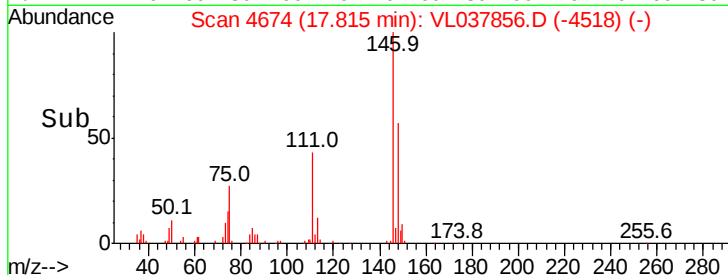
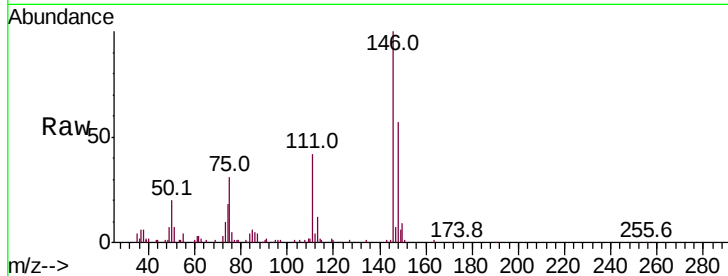
148 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021

Supervised By :Mahesh Dadoda 10/27/2021



#78

Hexachloro-1,3-Butadiene

Concen: 0.643 ppbv m

RT: 23.38 min Scan# 6404

Delta R.T. 0.01 min

Lab File: VL037856.D

Acq: 18 Oct 2021 17:33

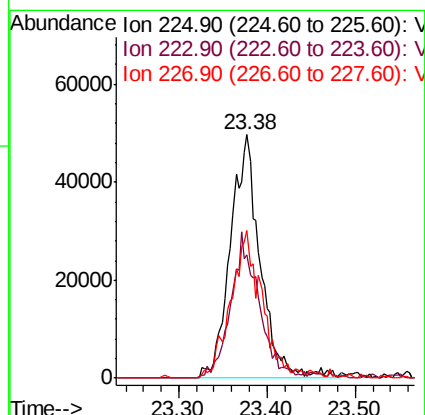
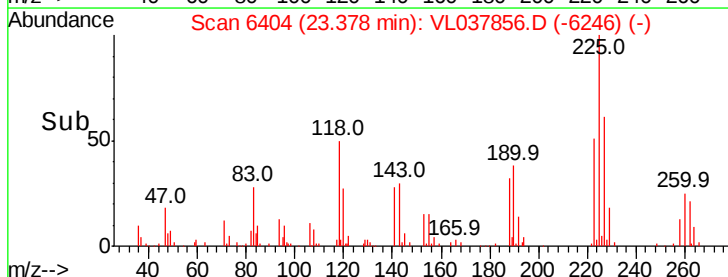
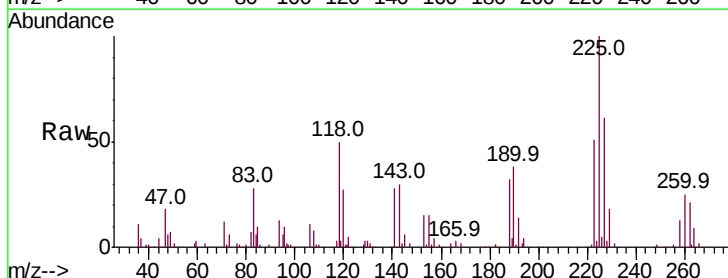
Tgt Ion:225 Resp: 116599

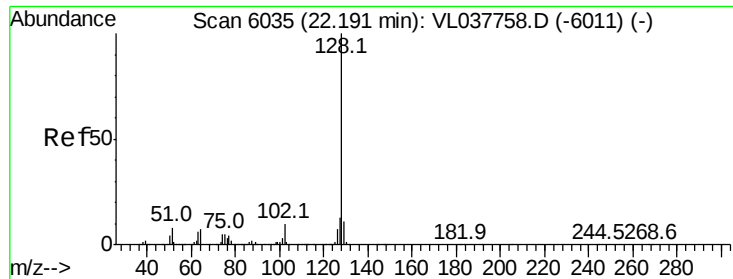
Ion Ratio Lower Upper

225 100

223 0.0 51.2 76.8#

227 64.4 51.1 76.7



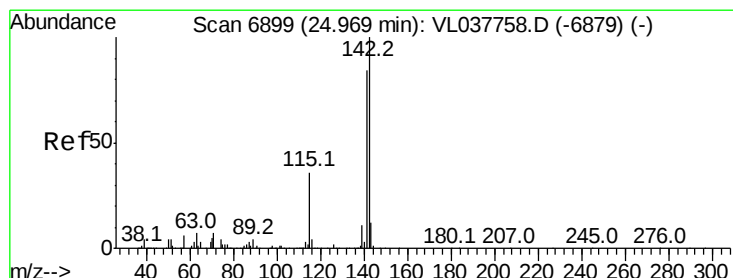
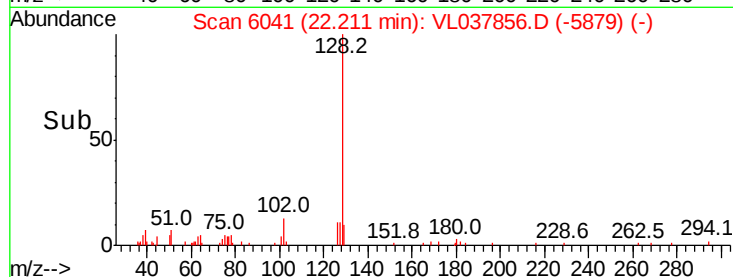
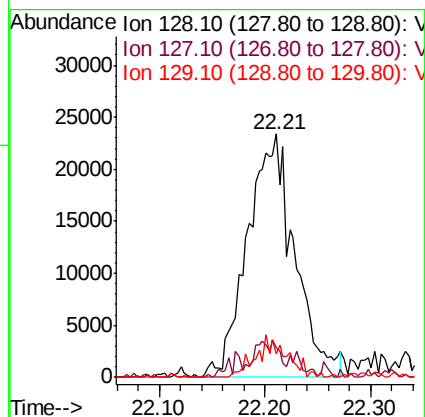
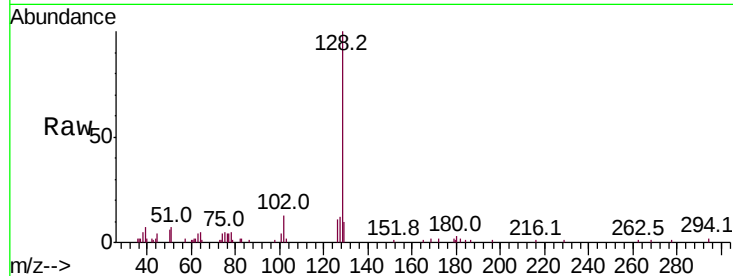


#79  
Naphthalene  
Concen: 0.317 ppbv m  
RT: 22.21  
Instrument: MSVOA\_1  
Delta R.T.  
Lab File: ClientSampleId :  
Acq: 18 Oct 2021 17:33

Tot Ion:1  
Ion Rati  
128 100  
127 12.  
129 9.

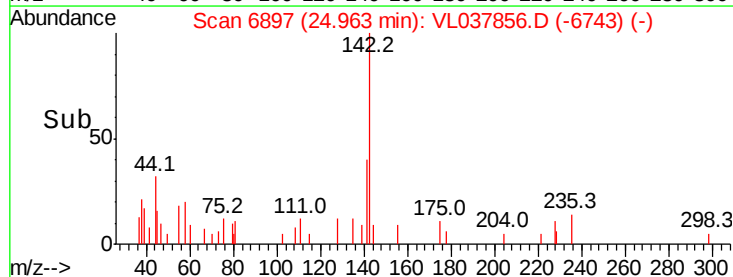
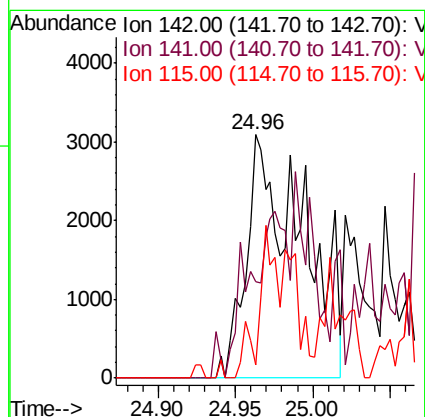
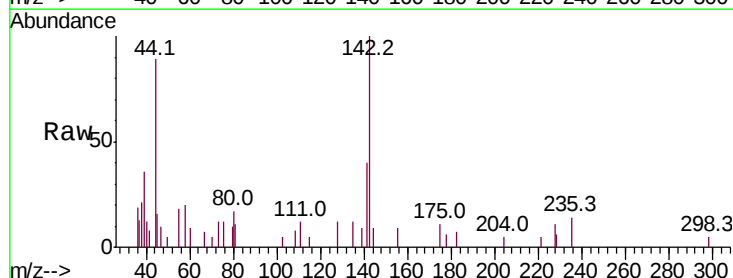
Manual Integrations  
APPROVED

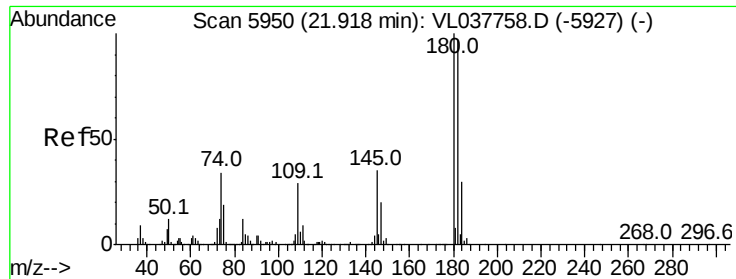
Reviewed By :Semsettin Yesilyurt 10/25/2021  
Supervised By :Mahesh Dadoda 10/27/2021



#80  
Naphthalene, 2-methyl-  
Concen: 0.126 ppbv  
RT: 24.96 min Scan# 6897  
Delta R.T. -0.01 min  
Lab File: VL037856.D  
Acq: 18 Oct 2021 17:33

Tgt Ion:142 Resp: 7736  
Ion Ratio Lower Upper  
142 100  
141 76.6 68.6 102.8  
115 41.9 29.0 43.6





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.428 ppbv m  
 RT: 21.93  
 Delta R.T: MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 18 Oct 2021 17:55

Tot Ion:1  
 Ion Rati  
 180 100  
 182 94.  
 184 30.

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2021  
 Supervised By :Mahesh Dadoda 10/27/2021

