

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\  
 Data File : VL036905.D  
 Acq On : 6 May 2021 16:04  
 Operator : SY/AP  
 Sample : M2262-14 0.5  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 LOQ-AIR-02-QT2-2021

Manual Integrations  
 APPROVED

Quant Time: May 07 09:02:52 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A

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

QLast Update : Tue Apr 27 16:56:35 2021

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 05/08/2021  
 Supervised By : Mahesh Dadoda 05/10/2021

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1350685  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 3339713  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.09 | 117  | 2916108  | 10.00 | ppbv  | 0.00     |

#### System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.42  | 95    | 2405117  | 10.27    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.70% |

#### Target Compounds

|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 3.05 | 85  | 159634 | 0.750 ppbv   | 97     |
| 3) Chlorodifluoromethane       | 2.99 | 51  | 164371 | 0.668 ppbv   | 98     |
| 4) Chloromethane               | 3.14 | 50  | 56149  | 0.694 ppbv # | 87     |
| 5) Vinyl Chloride              | 3.26 | 62  | 42538  | 0.522 ppbv   | 90     |
| 6) Bromomethane                | 3.48 | 94  | 26752  | 0.610 ppbv   | 91     |
| 7) Chloroethane                | 3.56 | 64  | 15228  | 0.568 ppbv   | 93     |
| 8) Dichlorotetrafluoroethane   | 3.19 | 85  | 137454 | 0.708 ppbv   | 96     |
| 9) Propene                     | 3.02 | 41  | 37204  | 0.496 ppbv   | 86     |
| 10) Heptane                    | 8.13 | 43  | 73180  | 0.388 ppbv # | 84     |
| 11) Trichlorofluoromethane     | 3.95 | 101 | 116302 | 0.613 ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.49 | 101 | 79136  | 0.623 ppbv   | 99     |
| 13) Ethanol                    | 3.63 | 45  | 11967m | 1.252 ppbv   |        |
| 14) Bromoethene                | 3.75 | 108 | 26051  | 0.502 ppbv # | 72     |
| 15) Acetone                    | 3.88 | 43  | 94913m | 0.746 ppbv   |        |
| 16) 1,3-Butadiene              | 3.34 | 39  | 47329m | 0.581 ppbv   |        |
| 17) tert-Butyl alcohol         | 4.35 | 59  | 63999m | 0.619 ppbv   |        |
| 18) 1,1-Dichloroethene         | 4.30 | 96  | 28751  | 0.521 ppbv   | 94     |
| 19) Isopropyl Alcohol          | 4.01 | 45  | 42903m | 0.680 ppbv   |        |
| 20) Methylene Chloride         | 4.34 | 84  | 46310m | 0.761 ppbv   |        |
| 21) Allyl Chloride             | 4.42 | 41  | 50167  | 0.530 ppbv   | 89     |
| 22) trans-1,2-Dichloroethene   | 4.89 | 96  | 30545m | 0.551 ppbv   |        |
| 23) Vinyl Acetate              | 5.10 | 43  | 86591m | 0.500 ppbv   |        |
| 24) 1,1-Dichloroethane         | 5.02 | 63  | 84089  | 0.684 ppbv   | 97     |
| 25) Ethyl Acetate              | 5.70 | 43  | 164768 | 0.530 ppbv   | 98     |
| 26) Hexane                     | 5.69 | 57  | 68856  | 0.473 ppbv # | 80     |
| 27) Carbon Disulfide           | 4.56 | 76  | 62271  | 0.493 ppbv # | 78     |
| 28) Methyl tert-Butyl Ether    | 5.06 | 73  | 70602m | 0.547 ppbv   |        |
| 29) Chloroform                 | 5.76 | 83  | 136685 | 0.603 ppbv   | 89     |
| 30) Cyclohexane                | 7.14 | 84  | 63526m | 0.551 ppbv   |        |
| 31) cis-1,2-Dichloroethene     | 5.55 | 61  | 58803m | 0.450 ppbv   |        |
| 32) 1,1,1-Trichloroethane      | 6.51 | 97  | 138017 | 0.598 ppbv   | 96     |
| 34) 2-Butanone                 | 5.27 | 43  | 76206m | 0.521 ppbv   |        |
| 35) Carbon Tetrachloride       | 7.02 | 117 | 146228 | 0.645 ppbv   | 96     |
| 36) Benzene                    | 6.90 | 78  | 115180 | 0.409 ppbv   | 97     |
| 37) 1,2-Dichloroethane         | 6.31 | 62  | 90769m | 0.570 ppbv   |        |
| 38) Trichloroethene            | 7.84 | 130 | 44843  | 0.448 ppbv   | 93     |
| 39) 1,2-Dichloropropane        | 7.62 | 63  | 56830  | 0.504 ppbv # | 87     |
| 40) 1,4-Dioxane                | 7.89 | 88  | 14551m | 0.535 ppbv   |        |
| 41) Tetrahydrofuran            | 6.09 | 42  | 20587m | 0.322 ppbv   |        |
| 42) Bromodichloromethane       | 7.79 | 83  | 137376 | 0.621 ppbv   | 98     |
| 43) Methyl Methacrylate        | 8.02 | 69  | 29451m | 0.321 ppbv   |        |

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Manual Integrations  
 APPROVED

Quant Time: May 07 09:02:52 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A

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

QLast Update : Tue Apr 27 16:56:35 2021

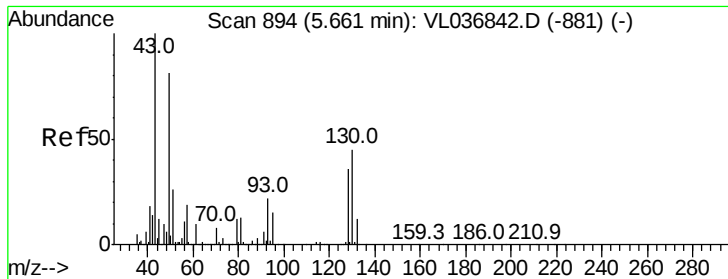
Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 05/08/2021  
 Supervised By : Mahesh Dadoda 05/10/2021

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 44) 2,2,4-Trimethylpentane    | 7.88  | 57   | 218729   | 0.454 | ppbv  | # 83     |
| 45) t-1,3-Dichloropropene     | 9.28  | 75   | 31755m   | 0.321 | ppbv  |          |
| 46) cis-1,3-Dichloropropene   | 8.70  | 75   | 43549m   | 0.343 | ppbv  |          |
| 47) 1,1,2-Trichloroethane     | 9.48  | 97   | 63636    | 0.545 | ppbv  | 90       |
| 48) Dibromochloromethane      | 10.31 | 129  | 89733m   | 0.519 | ppbv  |          |
| 49) Bromoform                 | 13.04 | 173  | 71375    | 0.517 | ppbv  | 90       |
| 50) 4-Methyl-2-Pentanone      | 8.79  | 43   | 73622m   | 0.368 | ppbv  |          |
| 51) 2-Hexanone                | 10.18 | 43   | 27754m   | 0.278 | ppbv  |          |
| 52) Tetrachloroethene         | 11.22 | 164  | 43905m   | 0.458 | ppbv  |          |
| 53) Toluene                   | 9.81  | 91   | 97784m   | 0.332 | ppbv  |          |
| 54) 1,2-Dibromoethane         | 10.62 | 107  | 78520m   | 0.477 | ppbv  |          |
| 56) 1,1,1,2-Tetrachloroethane | 12.12 | 131  | 79637    | 0.651 | ppbv  | # 1      |
| 57) Chlorobenzene             | 12.15 | 112  | 143308   | 0.631 | ppbv  | 91       |
| 58) Ethyl Benzene             | 12.72 | 91   | 130226m  | 0.352 | ppbv  |          |
| 59) m/p-Xylene                | 13.01 | 91   | 292107m  | 0.884 | ppbv  |          |
| 60) o-Xylene                  | 13.70 | 91   | 144732   | 0.453 | ppbv  | 98       |
| 61) Styrene                   | 13.53 | 104  | 42778m   | 0.285 | ppbv  |          |
| 62) Isopropylbenzene          | 14.67 | 105  | 210388   | 0.484 | ppbv  | 96       |
| 63) 1,1,2,2-Tetrachloroethane | 13.68 | 83   | 167888m  | 0.655 | ppbv  |          |
| 64) n-propylbenzene           | 15.57 | 120  | 45041m   | 0.416 | ppbv  |          |
| 65) tert-Butylbenzene         | 16.76 | 119  | 161102   | 0.419 | ppbv  | # 79     |
| 66) Benzyl Chloride           | 17.01 | 91   | 19371m   | 0.515 | ppbv  |          |
| 67) sec-Butylbenzene          | 17.30 | 105  | 236246   | 0.442 | ppbv  | 99       |
| 69) p-Isopropyltoluene        | 17.67 | 119  | 165202   | 0.386 | ppbv  | # 93     |
| 70) n-Butylbenzene            | 18.56 | 91   | 179688m  | 0.416 | ppbv  |          |
| 71) 2-Chlorotoluene           | 15.46 | 91   | 135855m  | 0.422 | ppbv  |          |
| 72) 4-Ethyltoluene            | 15.85 | 105  | 134679m  | 0.393 | ppbv  |          |
| 73) 1,3,5-Trimethylbenzene    | 16.00 | 105  | 138814m  | 0.417 | ppbv  |          |
| 74) 1,2,4-Trimethylbenzene    | 16.77 | 105  | 168372   | 0.476 | ppbv  | 94       |
| 75) 1,3-Dichlorobenzene       | 17.00 | 146  | 103146   | 0.494 | ppbv  | 89       |
| 76) 1,4-Dichlorobenzene       | 17.15 | 146  | 88760    | 0.434 | ppbv  | 89       |
| 77) 1,2-Dichlorobenzene       | 17.83 | 146  | 116642m  | 0.572 | ppbv  |          |
| 78) Hexachloro-1,3-Butadiene  | 23.39 | 225  | 107297m  | 0.619 | ppbv  |          |
| 79) Naphthalene               | 22.21 | 128  | 42736m   | 0.216 | ppbv  |          |
| 81) 1,2,4-Trichlorobenzene    | 21.93 | 180  | 45076m   | 0.352 | ppbv  |          |

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA\_L

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

49 100

128 47.

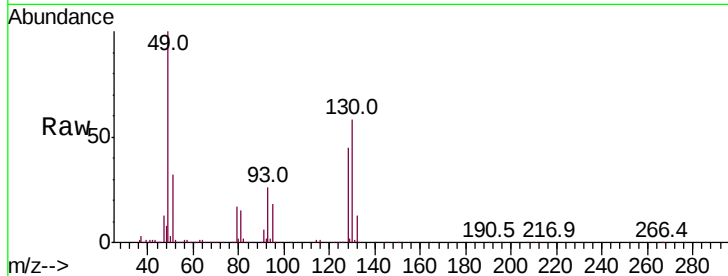
130 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

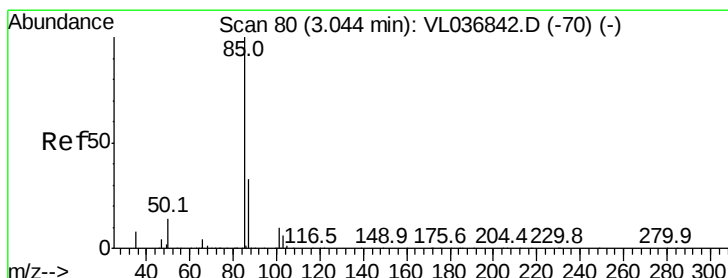
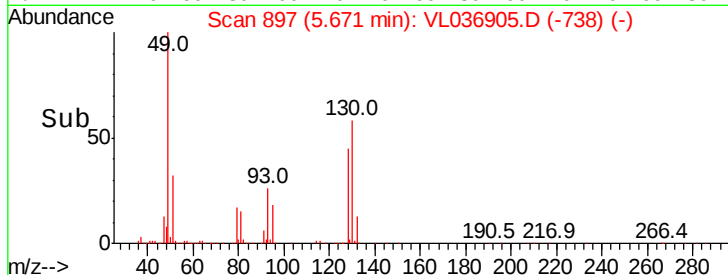
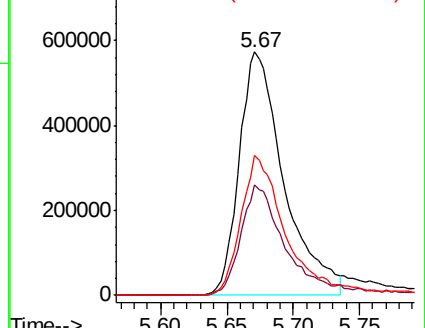
Supervised By :Mahesh Dadoda 05/10/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.750 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL036905.D

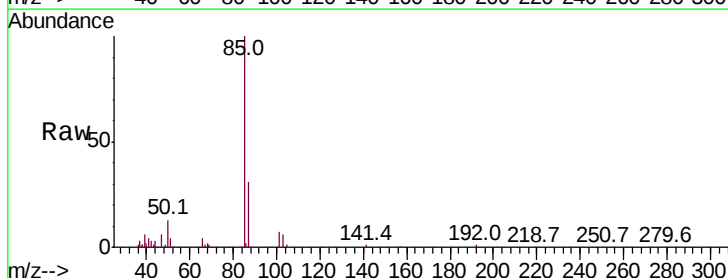
Acq: 6 May 2021 16:04

Tgt Ion: 85 Resp: 159634

Ion Ratio Lower Upper

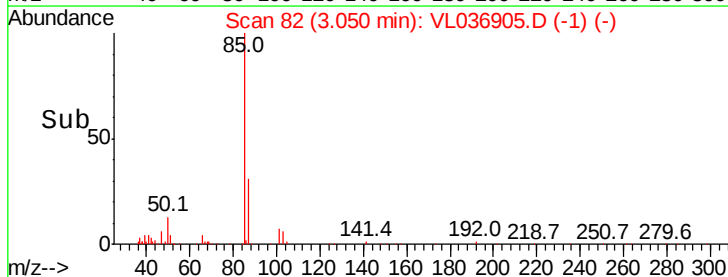
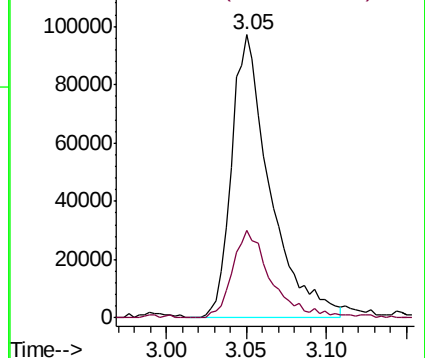
85 100

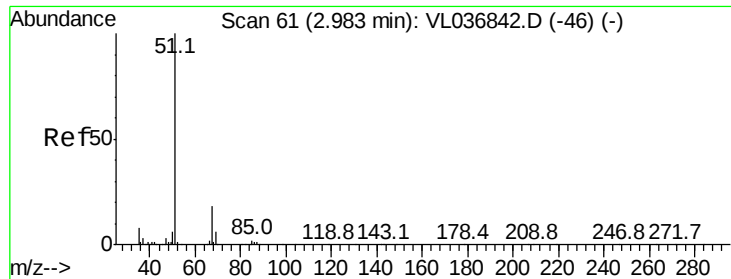
87 30.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.668 ppbv

RT: 2.99 Instrument: MSVOA\_1

Delta R.T.

Lab File: ClientSampleId: LOQ-AIR-02-QT2-2021

Acq: 6 May 2021 16:04

Tot Ion:

Ion Ratio

51 100

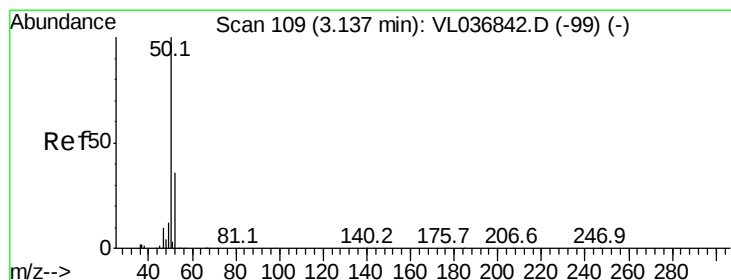
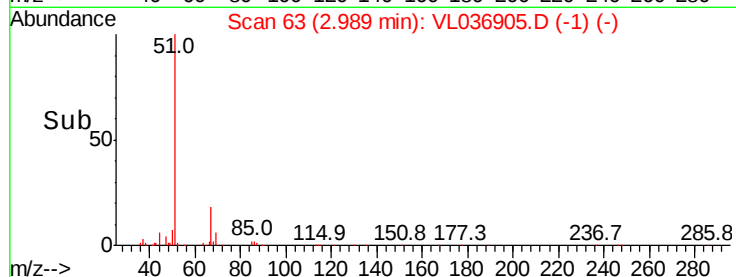
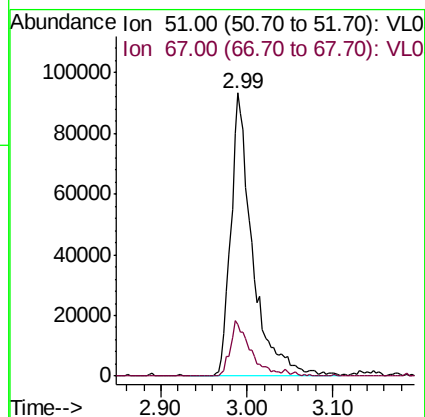
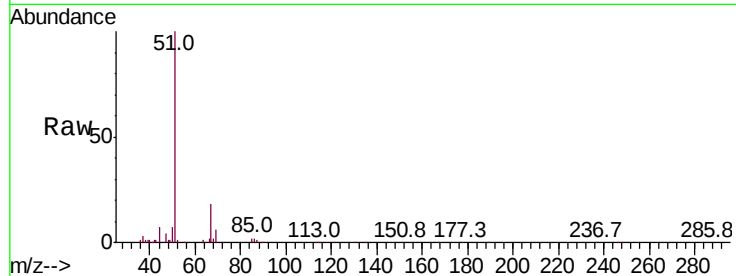
67 19.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#4

Chloromethane

Concen: 0.694 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036905.D

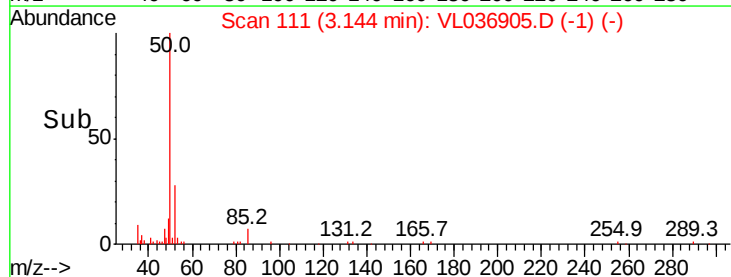
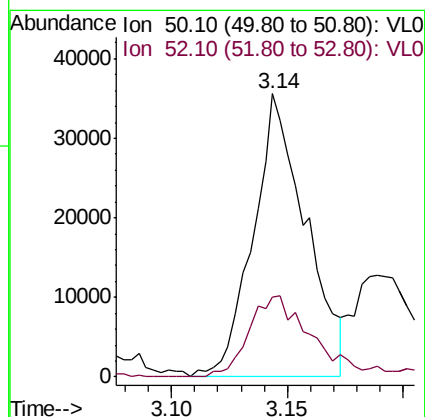
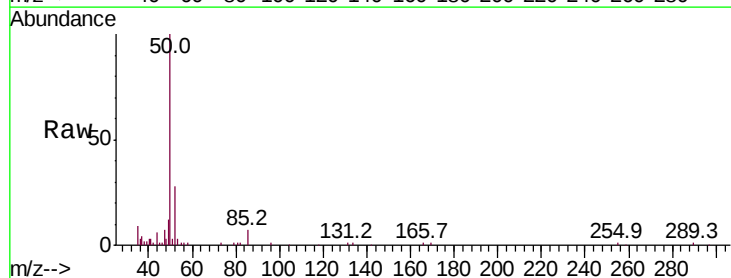
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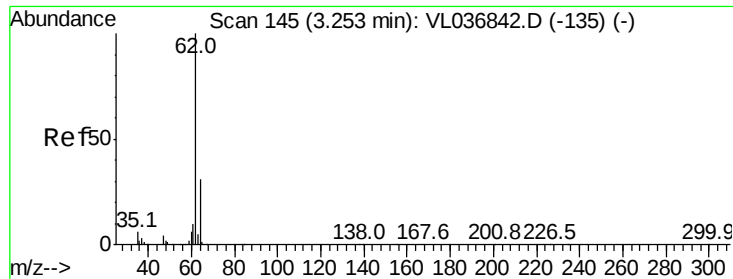
Tgt Ion: 50 Resp: 56149

Ion Ratio Lower Upper

50 100

52 28.1 28.5 42.7#





#5

Vinyl Chloride

Concen: 0.522 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

62 100

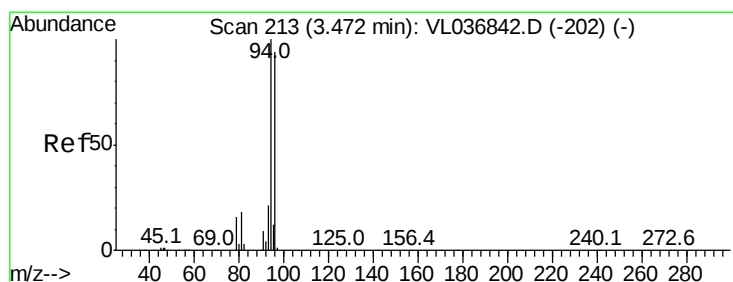
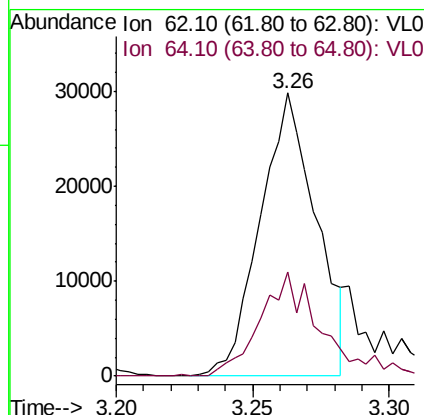
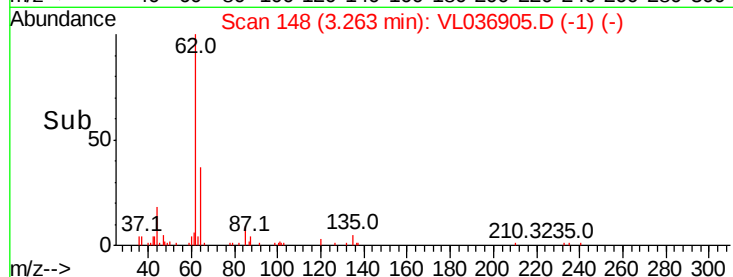
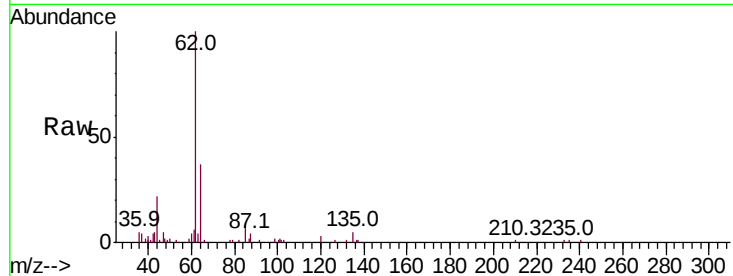
64 37.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#6

Bromomethane

Concen: 0.610 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036905.D

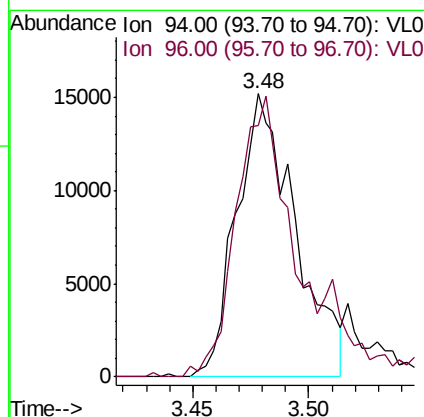
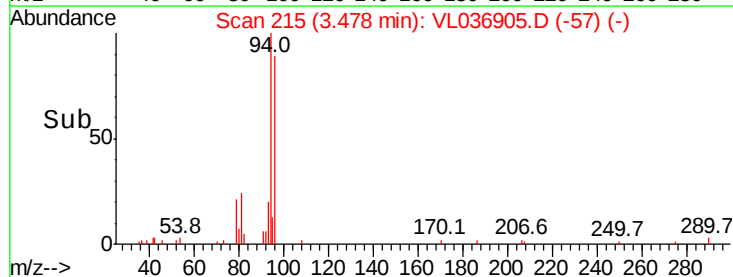
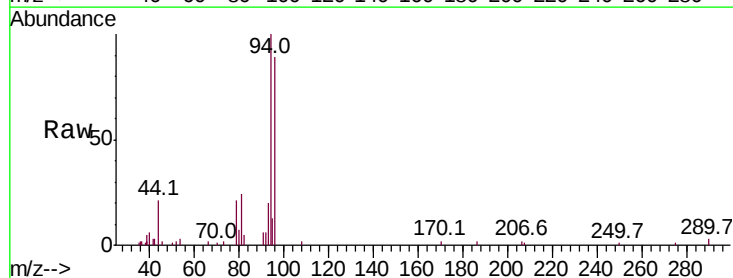
Acq: 6 May 2021 16:04

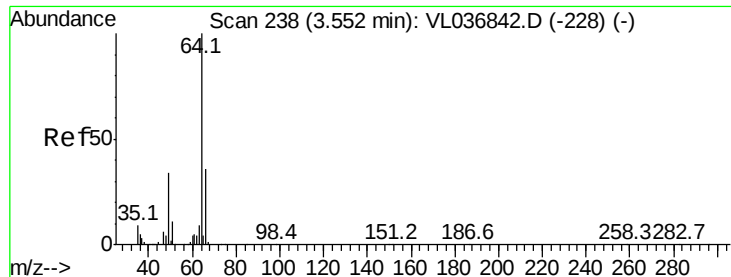
Tgt Ion: 94 Resp: 26752

Ion Ratio Lower Upper

94 100

96 85.2 75.4 113.0





#7

Chloroethane

Concen: 0.568 ppbv

RT: 3.56

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

64 100

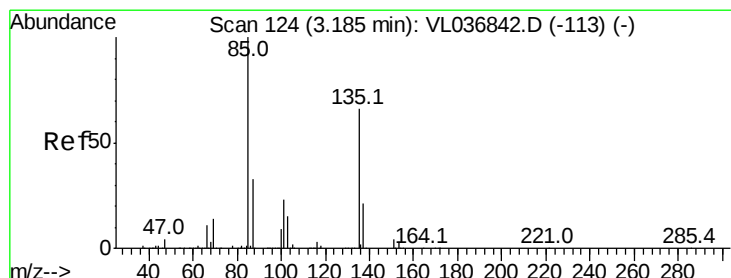
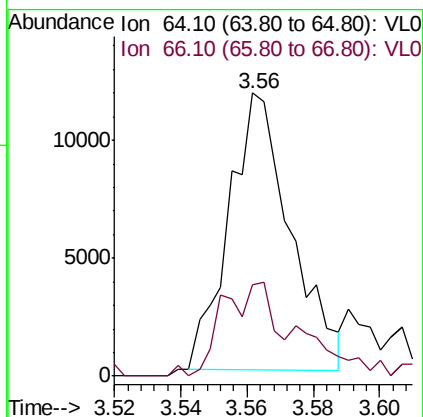
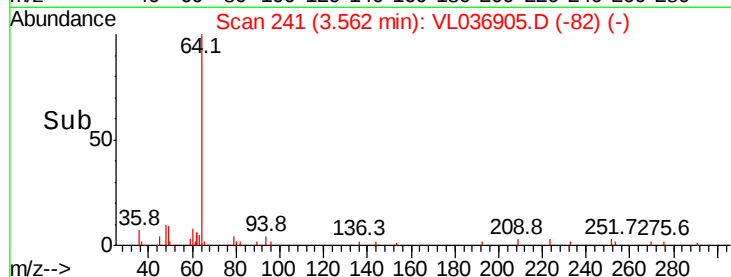
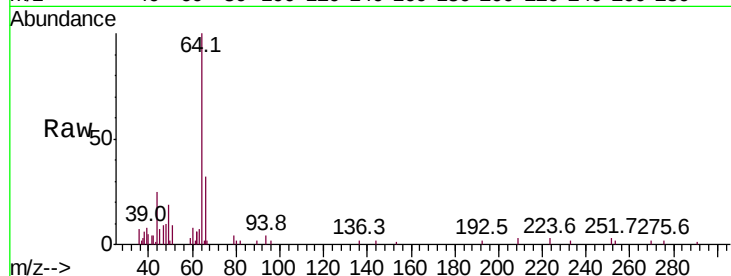
66 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#8

Dichlorotetrafluoroethane

Concen: 0.708 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036905.D

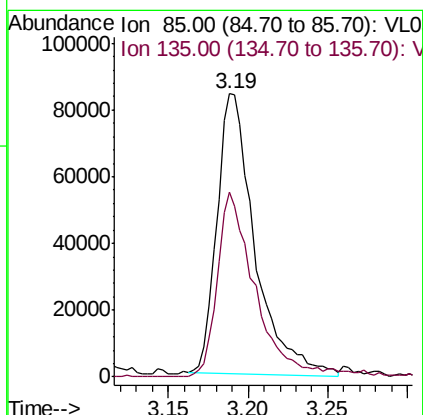
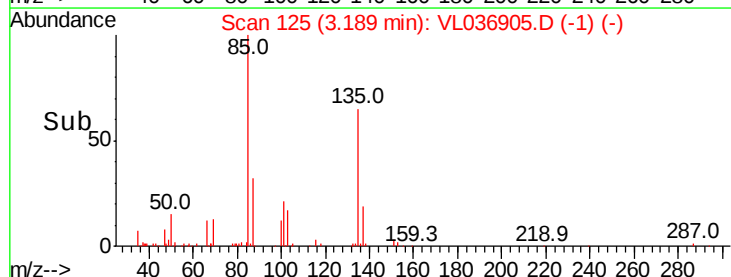
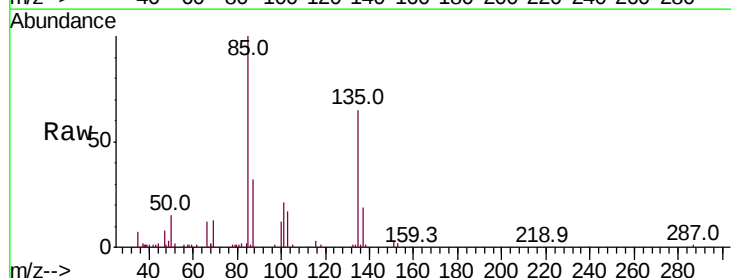
Acq: 6 May 2021 16:04

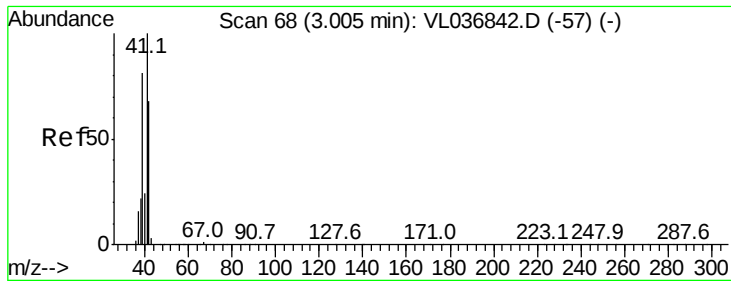
Tgt Ion: 85 Resp: 137454

Ion Ratio Lower Upper

85 100

135 67.2 56.2 84.4



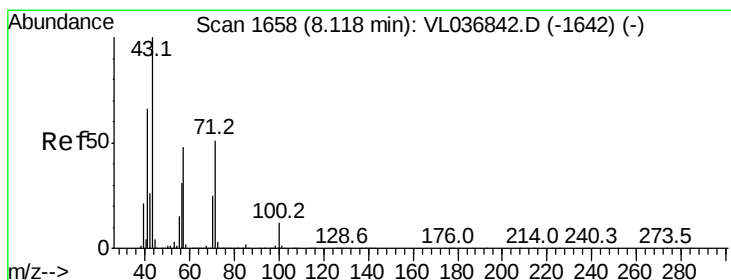
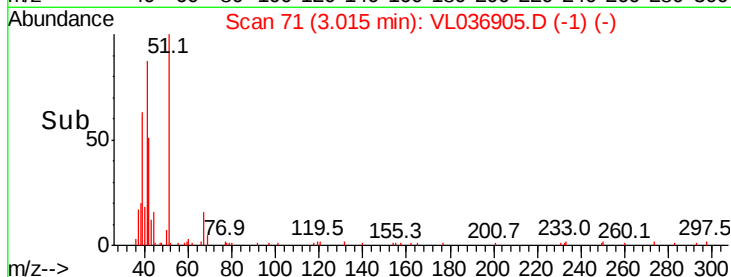
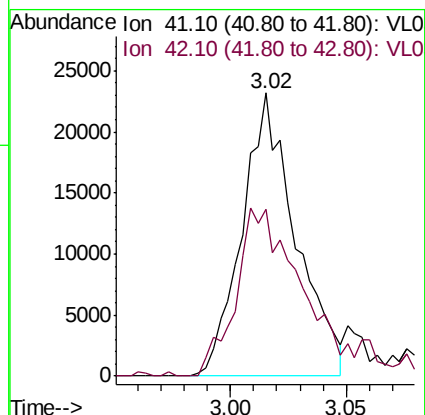
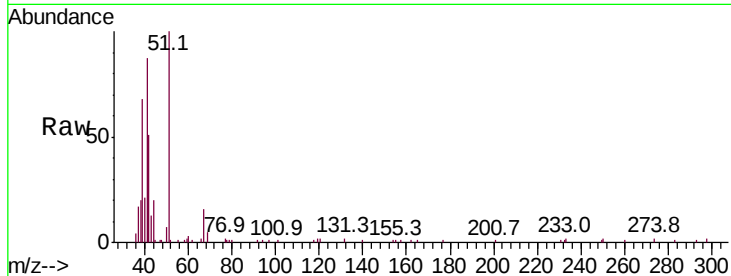


#9  
 Propene  
 Concen: 0.496 ppbv  
 RT: 3.02  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 6 May 2021 10:04

Tot Ion:  
 Ion Ratio  
 41 100  
 42 81.

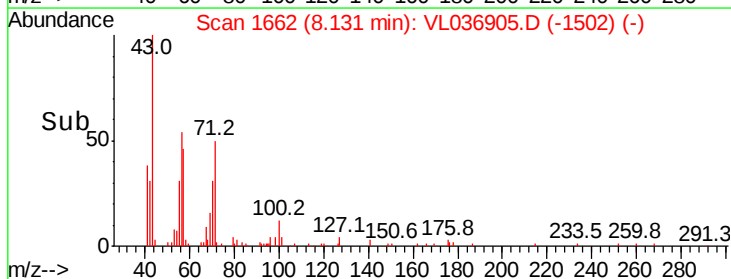
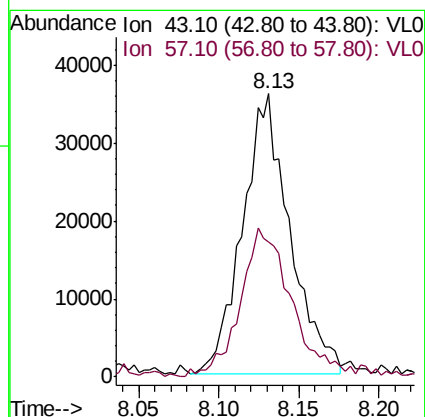
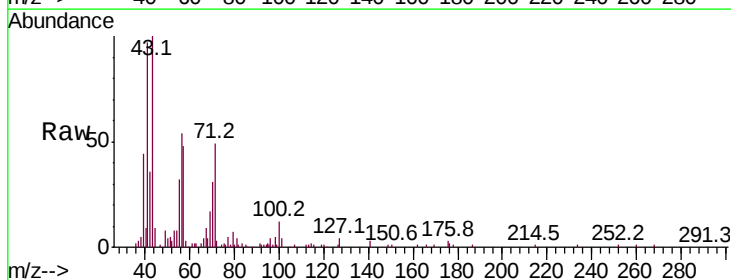
Manual Integrations  
 APPROVED

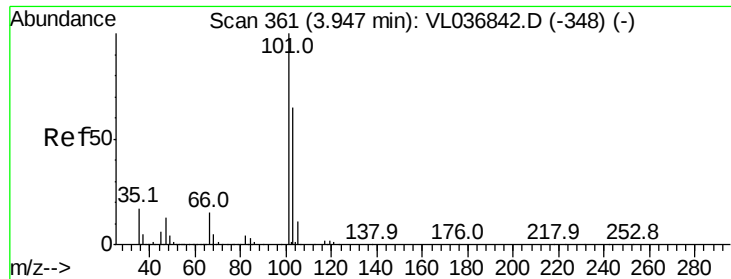
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#10  
 Heptane  
 Concen: 0.388 ppbv  
 RT: 8.13 min Scan# 1662  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion: 43 Resp: 73180  
 Ion Ratio Lower Upper  
 43 100  
 57 59.5 38.8 58.2#





#11

Trichlorofluoromethane

Concen: 0.613 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:1

Ion Rati

101 100

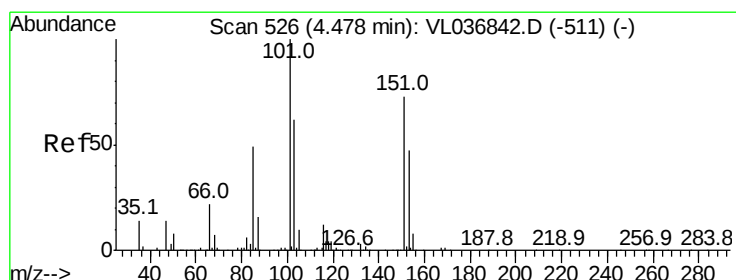
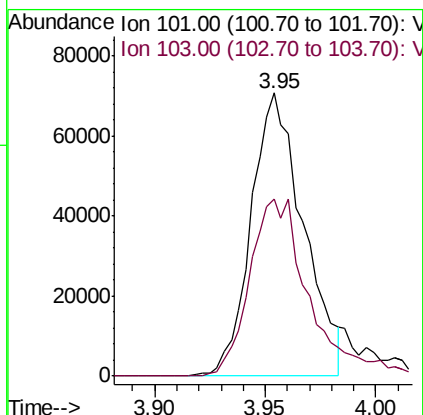
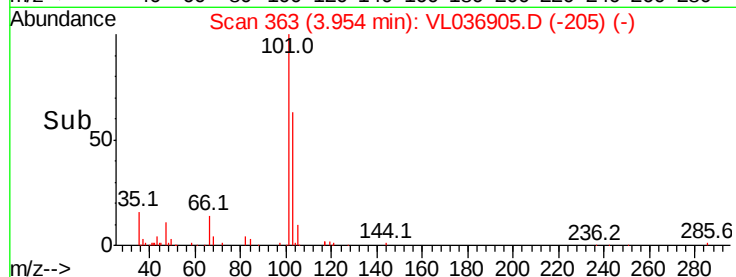
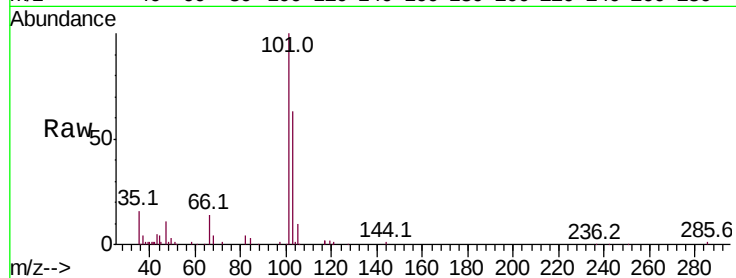
103 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.623 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036905.D

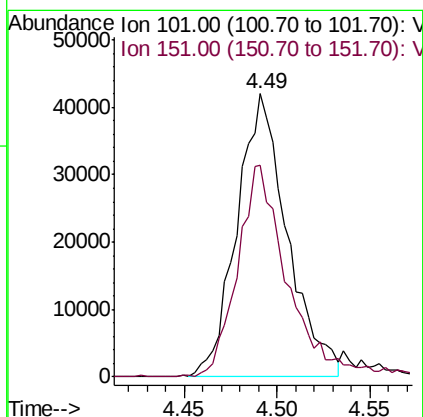
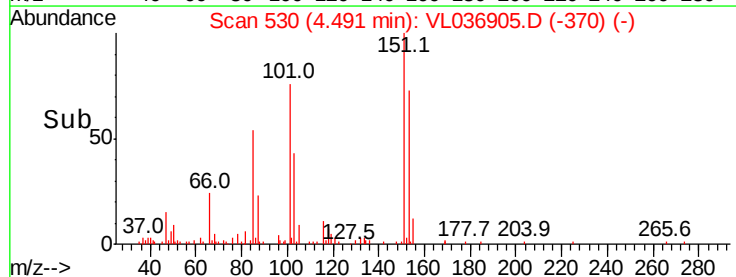
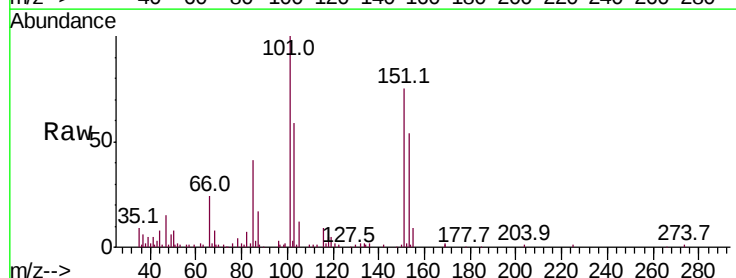
Acq: 6 May 2021 16:04

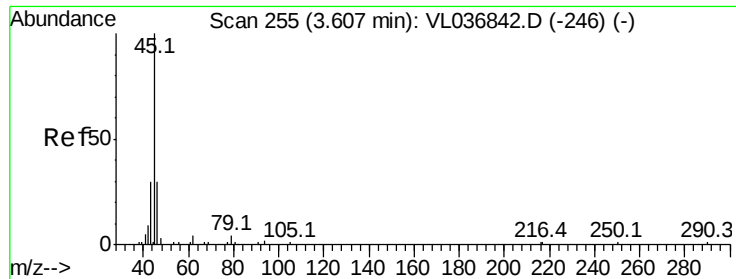
Tgt Ion:101 Resp: 79136

Ion Ratio Lower Upper

101 100

151 75.4 61.1 91.7





#13

Ethanol

Concen: 1.252 ppbv m

RT: 3.63 Instrument :

Delta R.T. MSVOA\_1

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

45 100

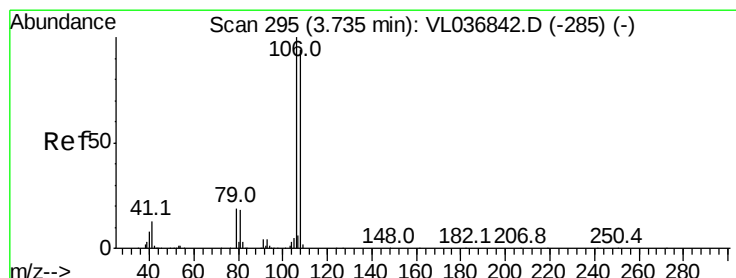
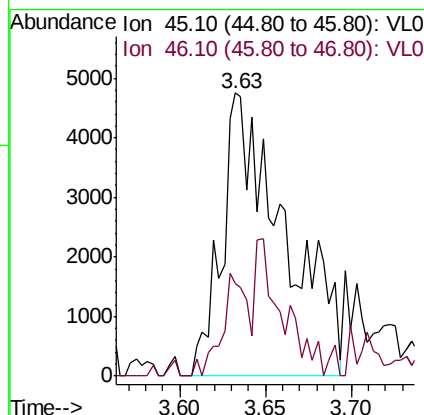
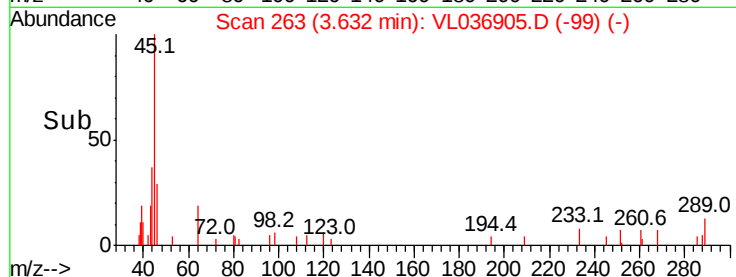
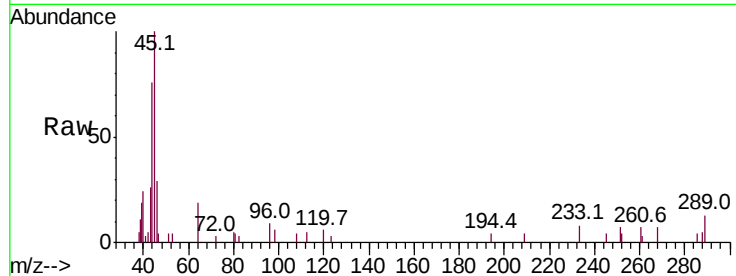
46 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#14

Bromoethene

Concen: 0.502 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

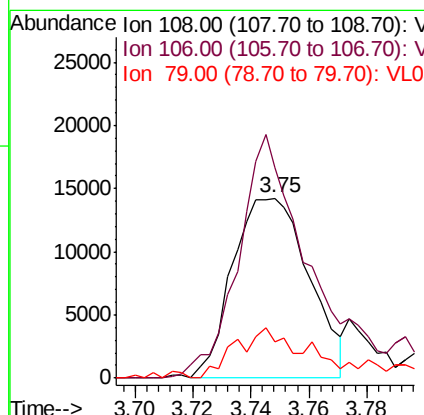
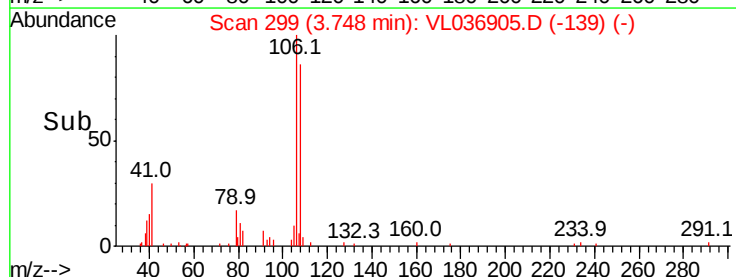
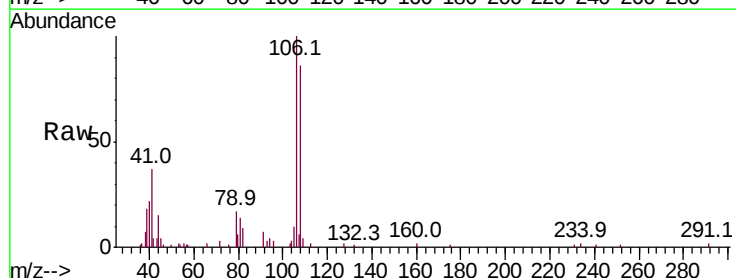
Tgt Ion:108 Resp: 26051

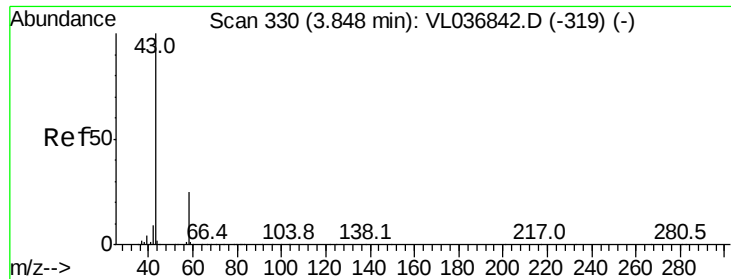
Ion Ratio Lower Upper

108 100

106 140.8 88.5 132.7#

79 34.1 17.9 26.9#





#15

Acetone

Concen: 0.746 ppbv m

RT: 3.88

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

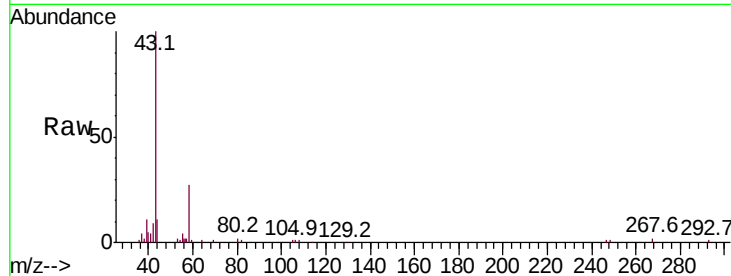
Acq: 6 May 2021 10:04

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021

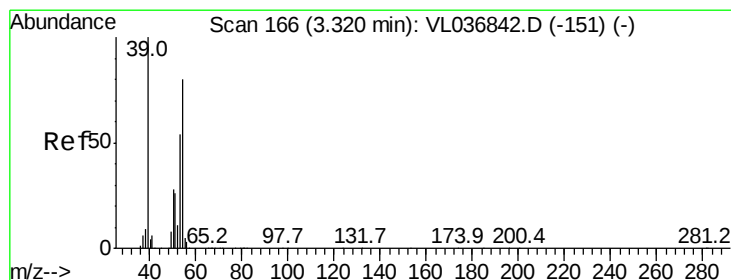
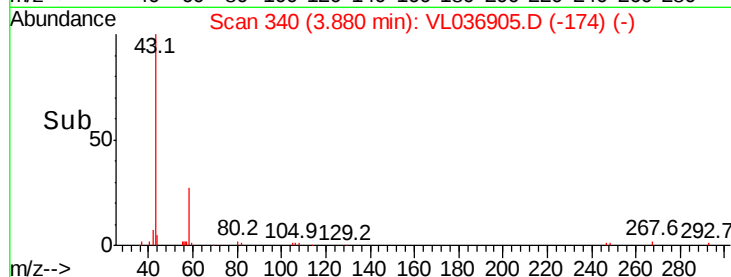
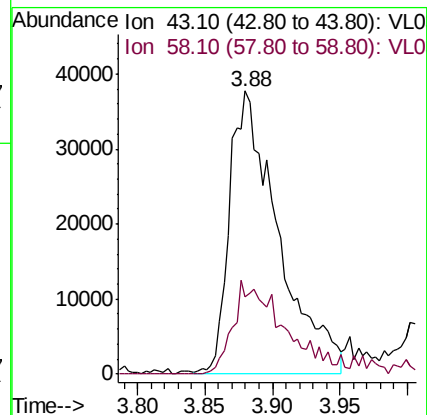


Tot Ion:

Ion Ratio

43 100

58 0.



#16

1,3-Butadiene

Concen: 0.581 ppbv m

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL036905.D

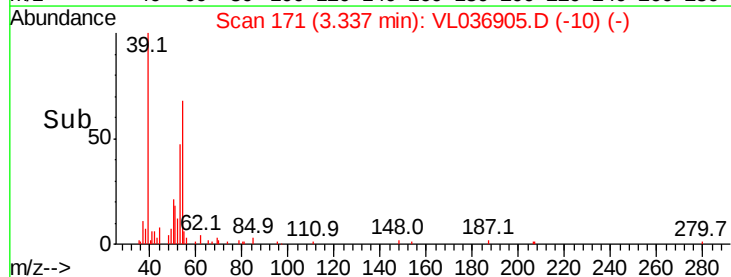
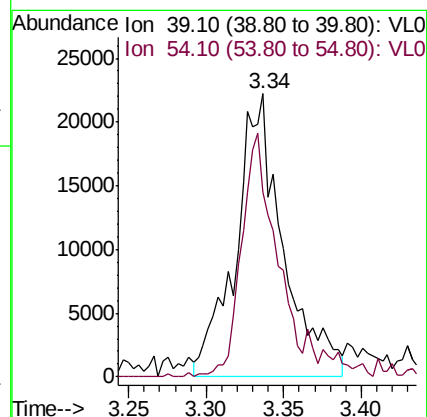
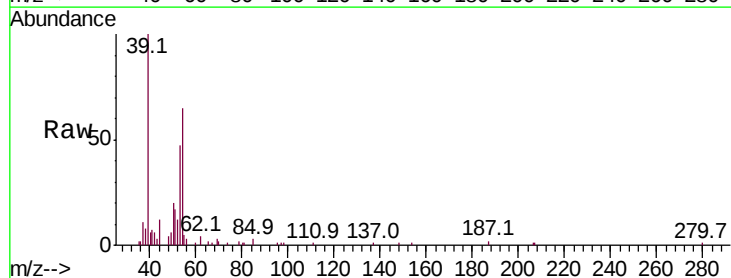
Acq: 6 May 2021 16:04

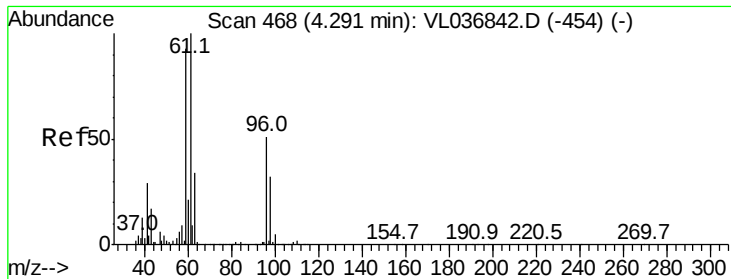
Tgt Ion: 39 Resp: 47329

Ion Ratio Lower Upper

39 100

54 0.0 59.6 89.4#





#17

tert-Butyl alcohol

Concen: 0.619 ppbv m

RT: 4.35 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 16:04

Tot Ion:

Ion Ratio

59 100

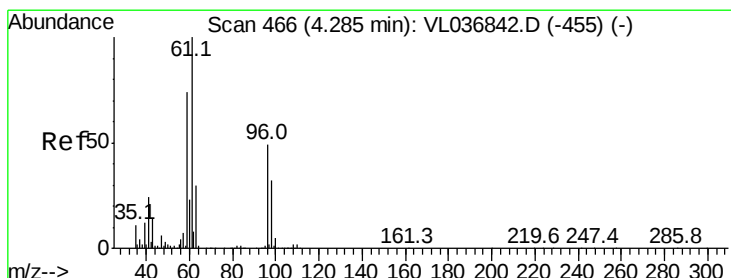
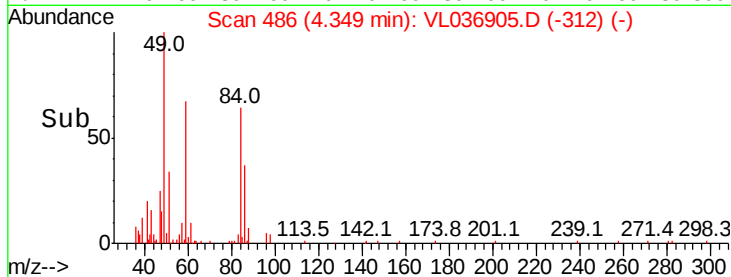
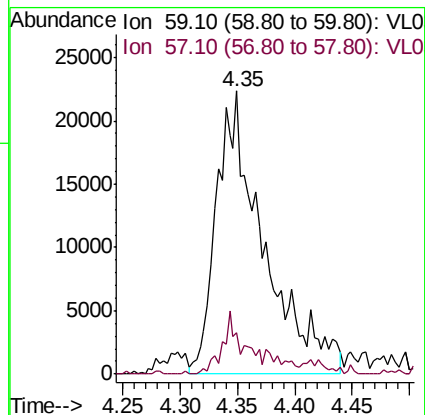
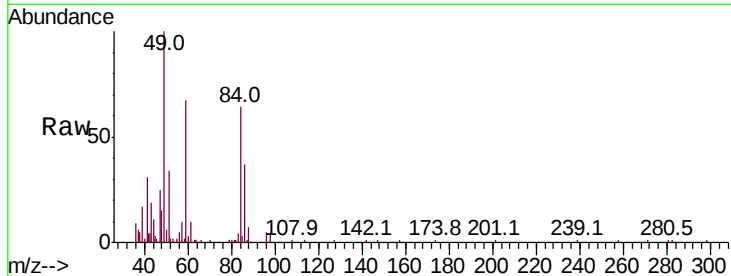
57 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#18

1,1-Dichloroethene

Concen: 0.521 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

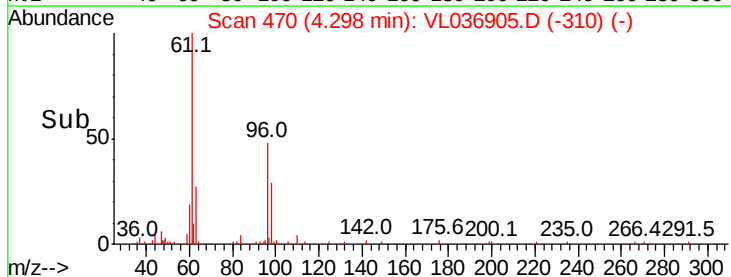
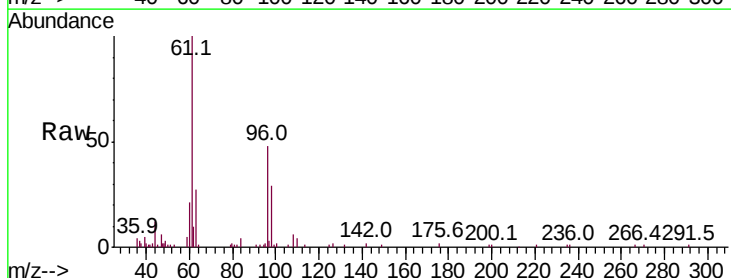
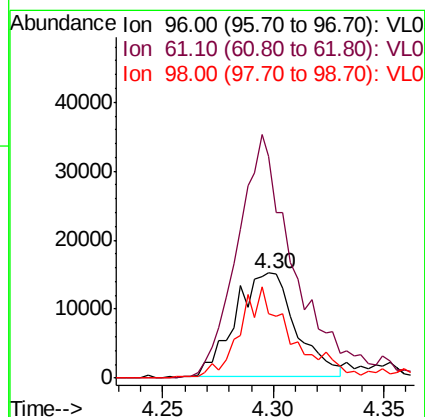
Tgt Ion: 96 Resp: 28751

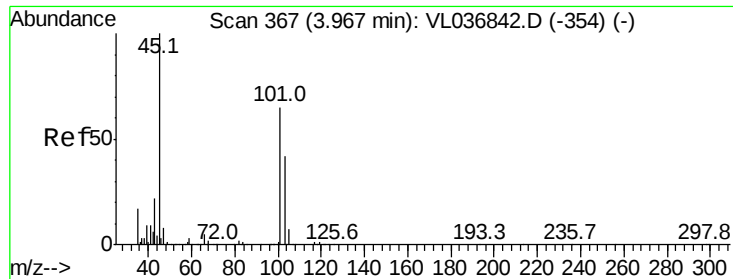
Ion Ratio Lower Upper

96 100

61 212.5 162.2 243.2

98 60.8 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.680 ppbv m

RT: 4.01

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 16:04

Tot Ion:

Ion Ratio

45 100

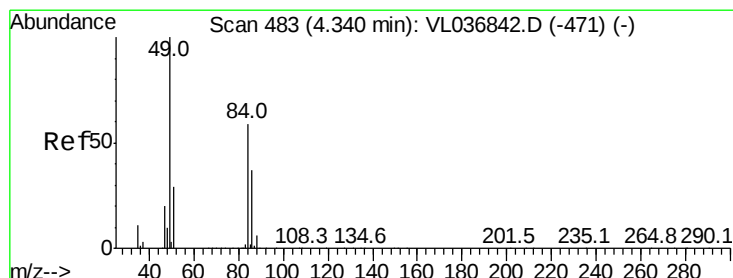
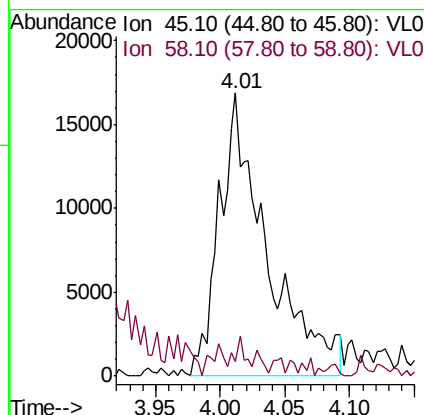
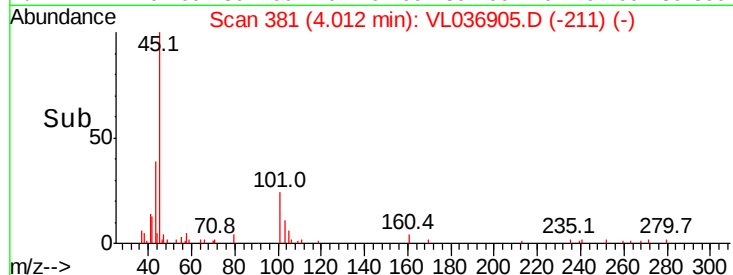
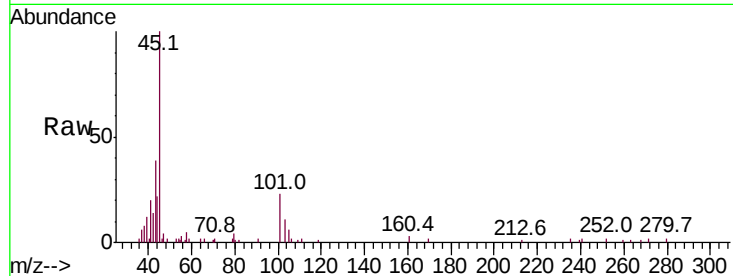
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#20

Methylene Chloride

Concen: 0.761 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tgt Ion: 84 Resp: 46310

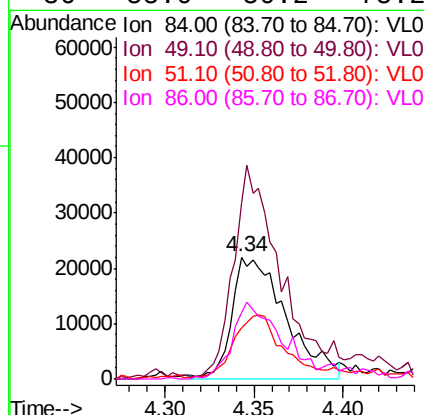
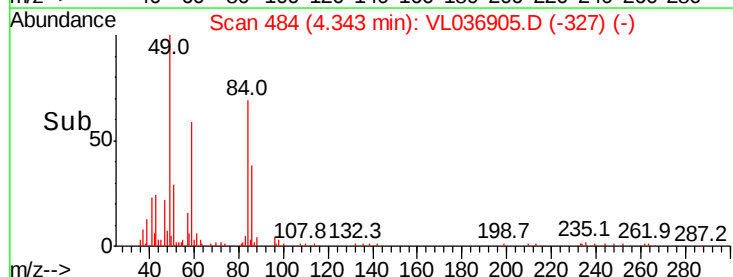
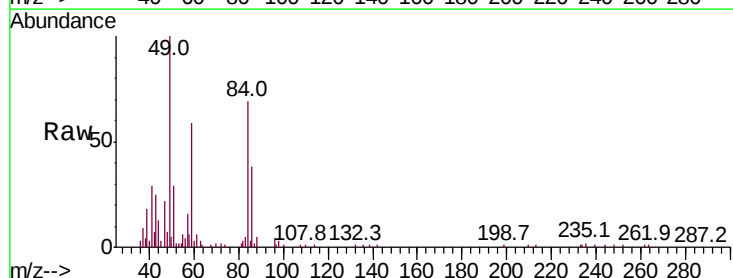
Ion Ratio Lower Upper

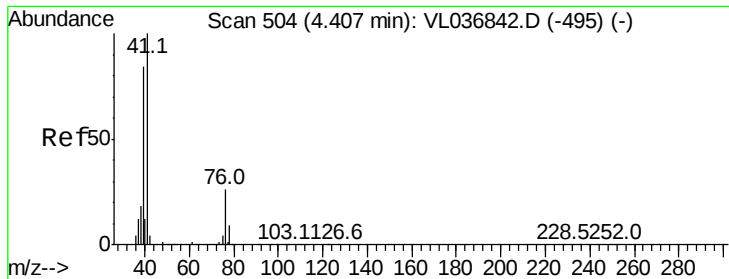
84 100

49 145.1 135.4 203.0

51 41.7 39.3 58.9

86 55.0 50.2 75.2



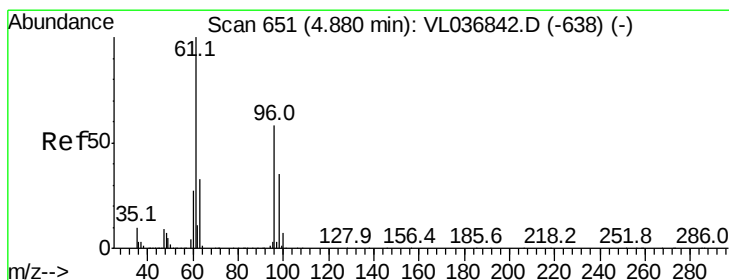
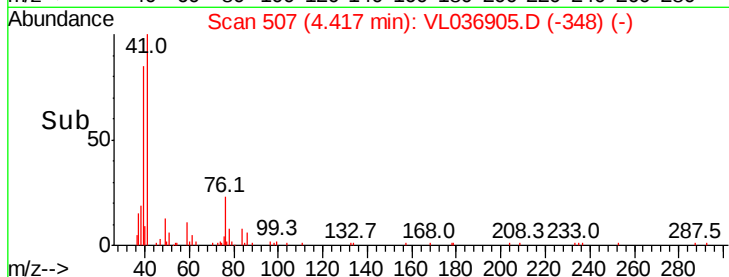
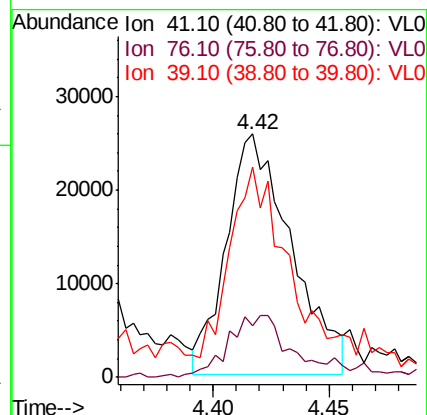
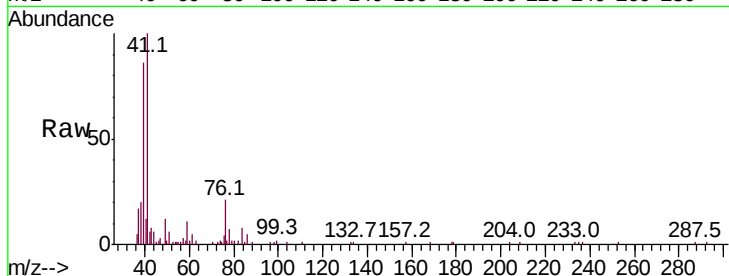


#21  
Allvl Chloride  
Concen: 0.530 ppbv  
RT: 4.42  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

Tot Ion:  
Ion Ratio  
41 100  
76 28.  
39 98.

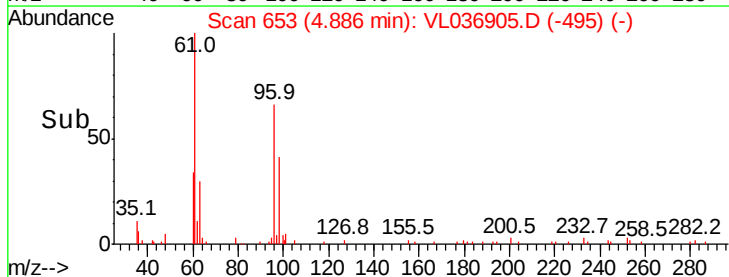
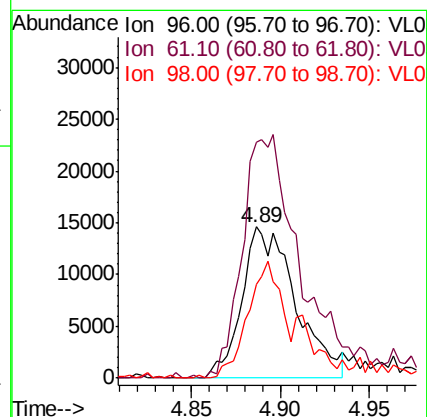
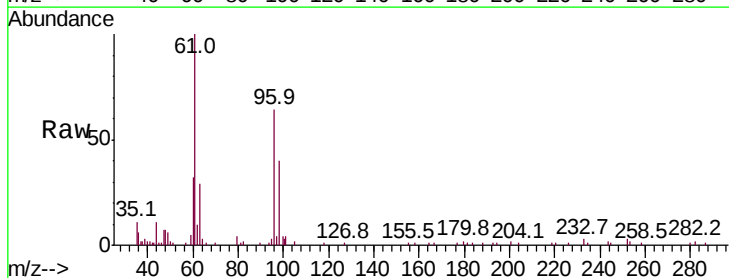
Manual Integrations  
APPROVED

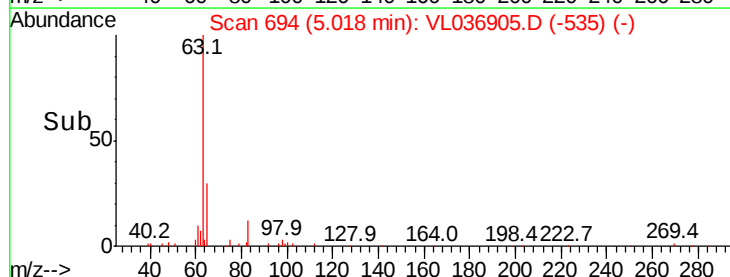
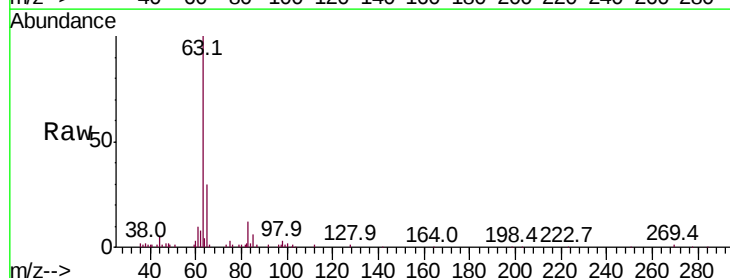
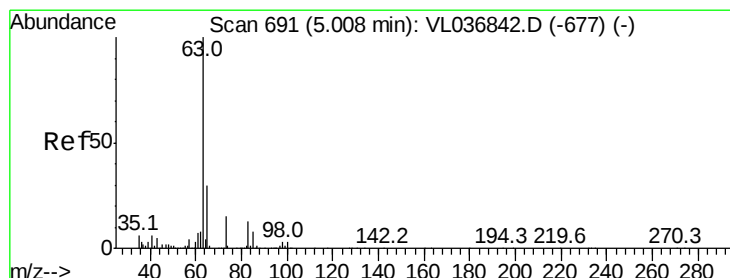
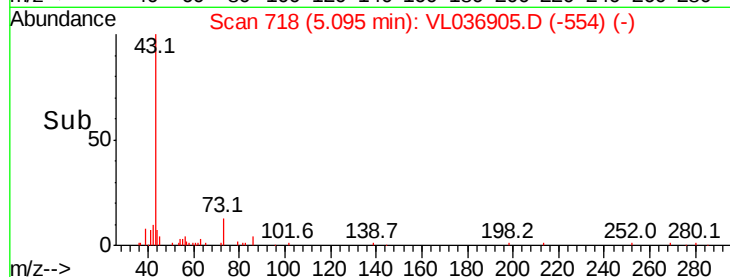
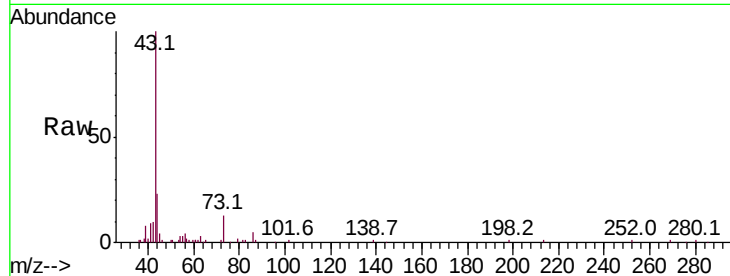
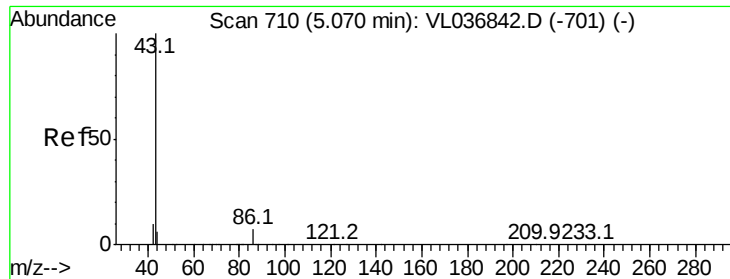
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#22  
trans-1,2-Dichloroethene  
Concen: 0.551 ppbv m  
RT: 4.89 min Scan# 653  
Delta R.T. 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 96 Resp: 30545  
Ion Ratio Lower Upper  
96 100  
61 156.2 138.6 207.8  
98 62.3 48.1 72.1





#23

Vinyl Acetate

Concen: 0.500 ppbv m

RT: 5.10

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

43 100

86 5.

42 10.

44 22.7

3.9

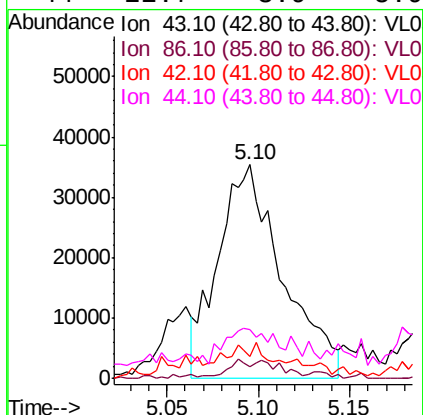
5.9#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#24

1,1-Dichloroethane

Concen: 0.684 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

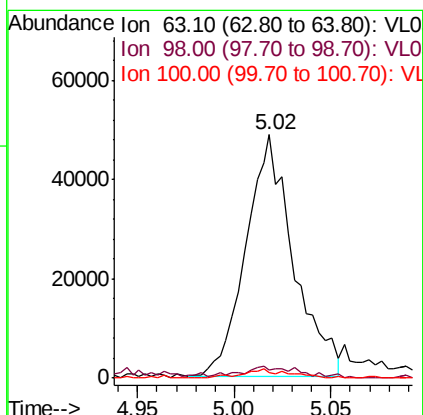
Tgt Ion: 63 Resp: 84089

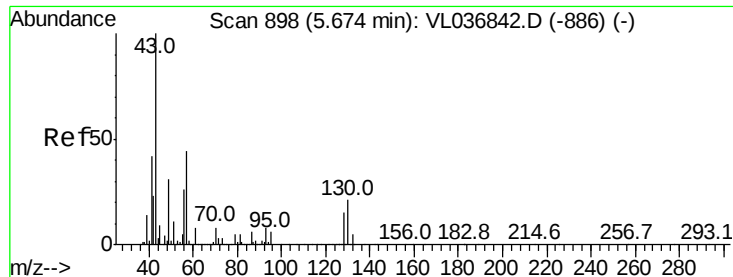
Ion Ratio Lower Upper

63 100

98 2.0 1.7 5.1

100 2.4 1.3 3.8



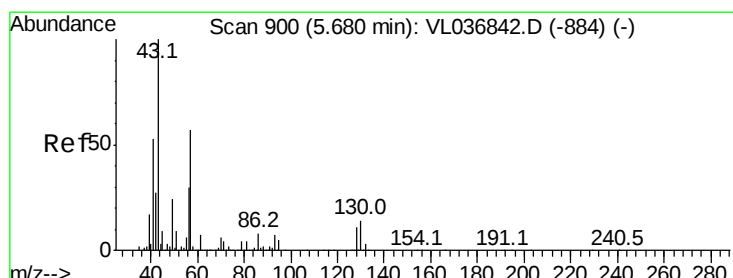
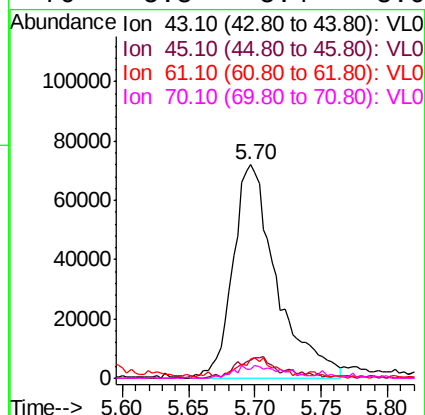
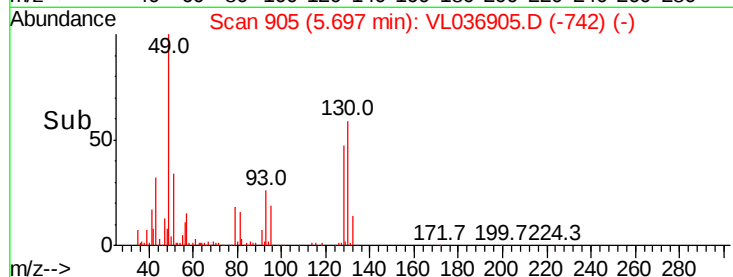
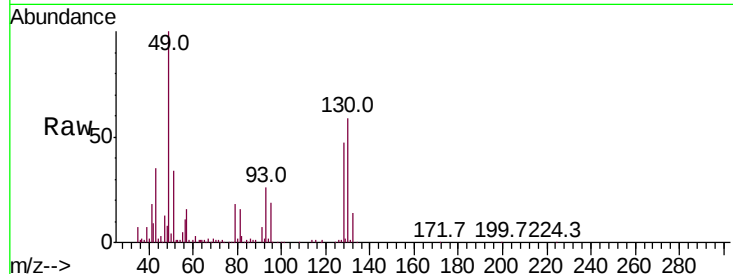


#25  
Ethyl Acetate  
Concen: 0.530 ppbv  
RT: 5.70  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 6 May 2021 16:04

Tot Ion:  
Ion Ratio  
43 100  
45 10.  
61 10.  
70 5.8 5.4 8.0

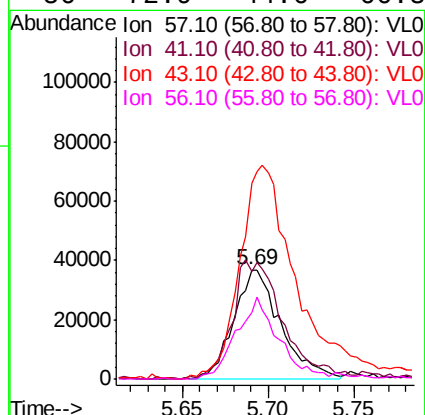
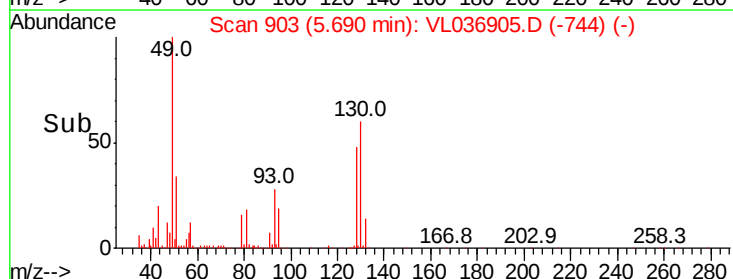
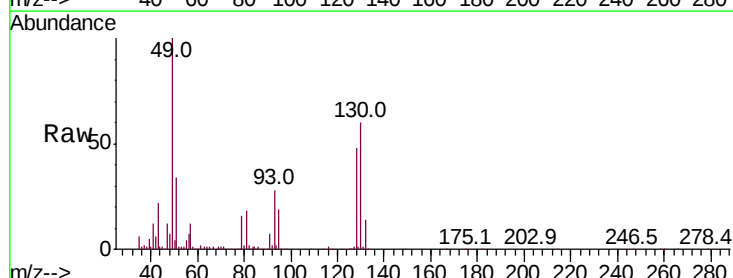
Manual Integrations  
APPROVED

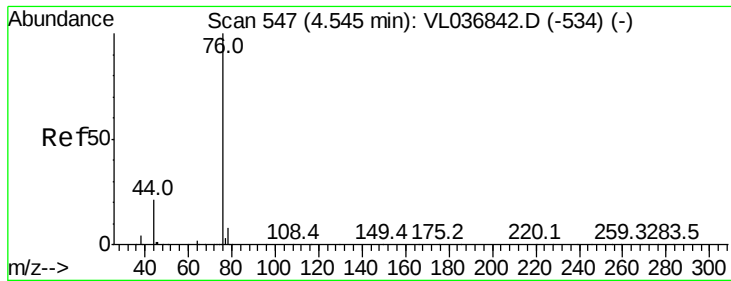
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#26  
Hexane  
Concen: 0.473 ppbv  
RT: 5.69 min Scan# 903  
Delta R.T.: 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 57 Resp: 68856  
Ion Ratio Lower Upper  
57 100  
41 123.9 77.7 116.5#  
43 252.9 180.5 270.7  
56 72.9 44.6 66.8#





#27

Carbon Disulfide

Concen: 0.493 ppbv

RT: 4.56

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:

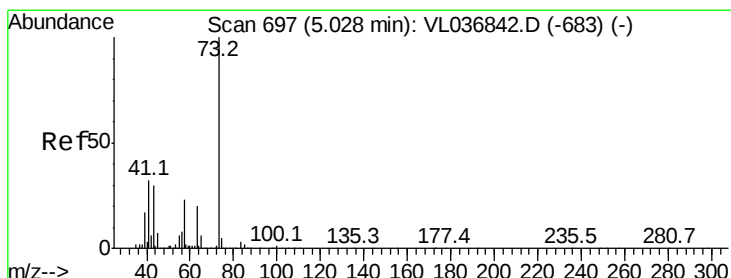
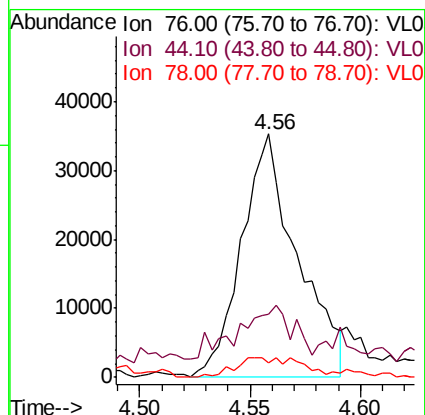
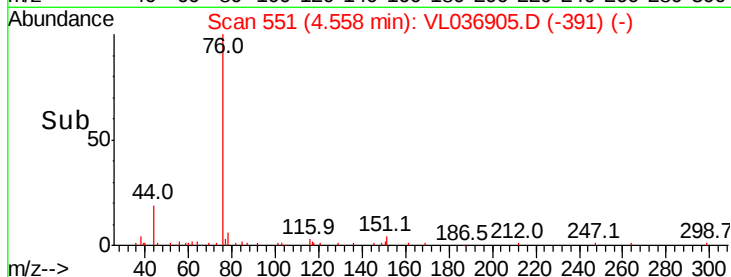
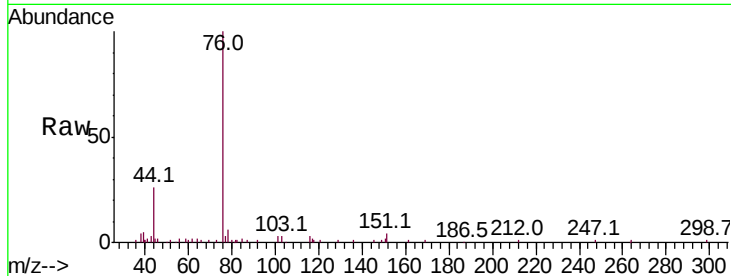
| Ion | Ratio |
|-----|-------|
| 76  | 100   |
| 44  | 35.   |
| 78  | 11.   |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#28

Methyl tert-Butyl Ether

Concen: 0.547 ppbv m

RT: 5.06 min Scan# 706

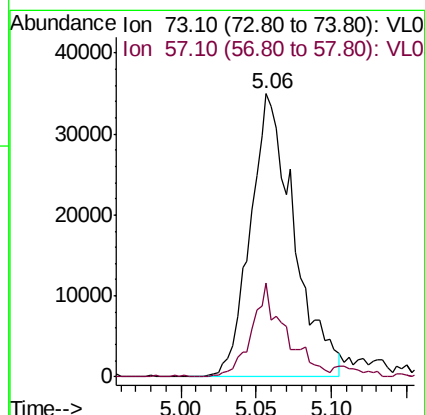
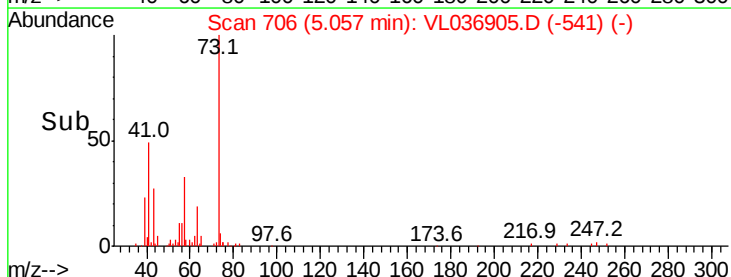
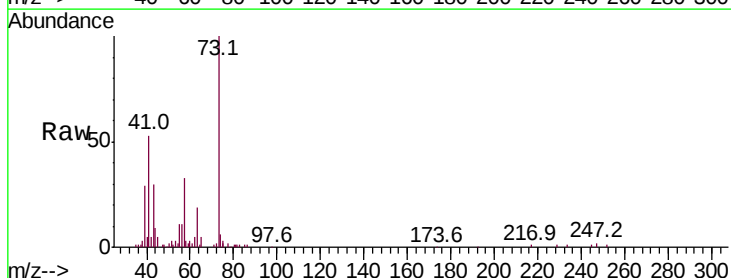
Delta R.T. 0.03 min

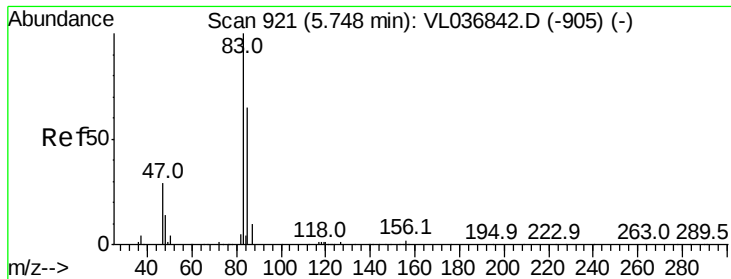
Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tgt Ion: 73 Resp: 70602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 27.9  | 19.0  | 28.6  |



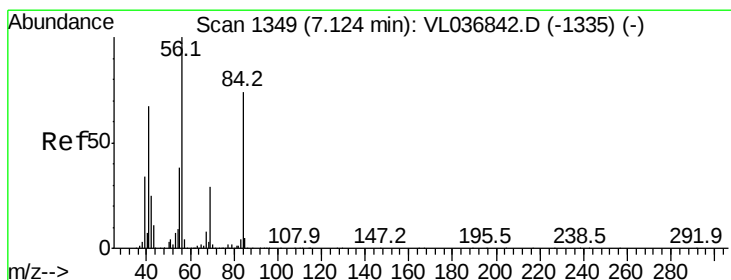
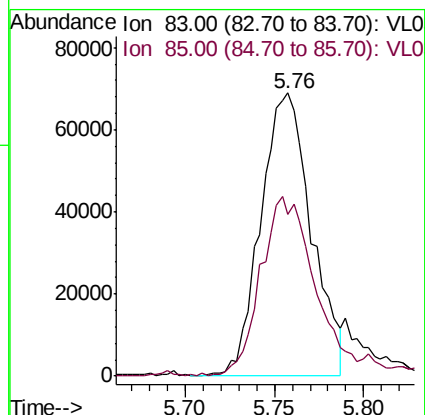
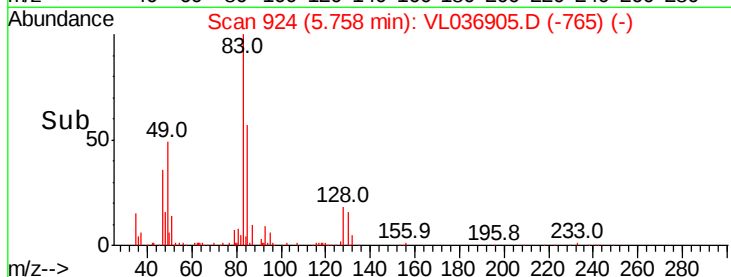
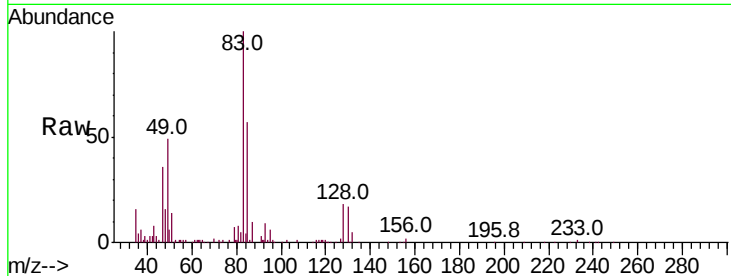


#29  
Chloroform  
Concen: 0.603 ppbv  
RT: 5.76  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId:  
Acq: 6 May 2021 10:04

Tot Ion:  
Ion Ratio  
83 100  
85 56.

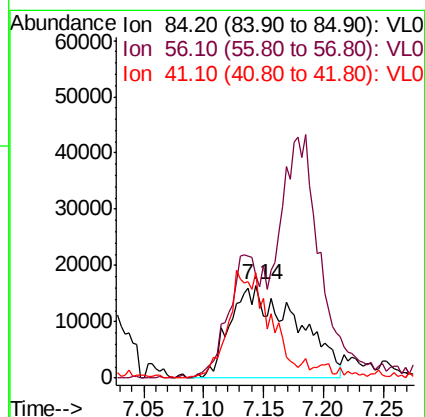
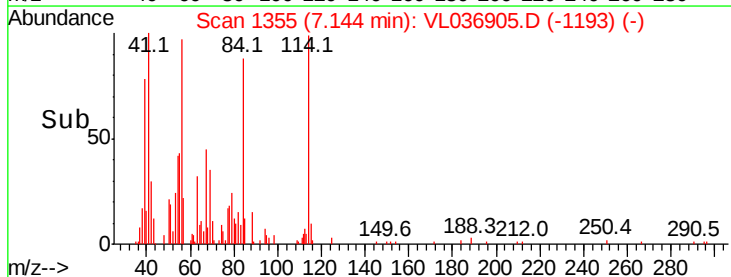
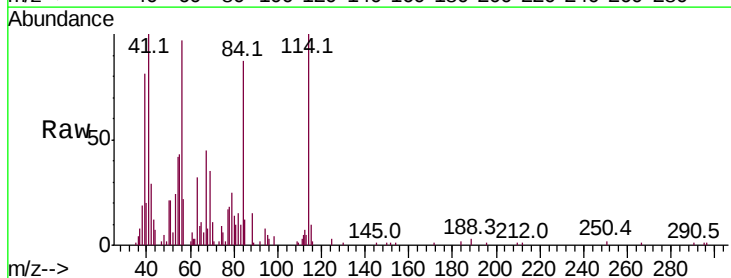
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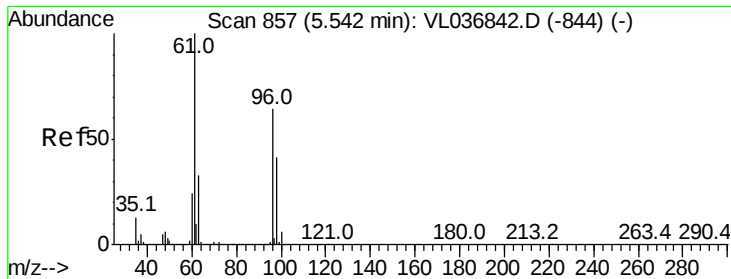
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#30  
Cyclohexane  
Concen: 0.551 ppbv m  
RT: 7.14 min Scan# 1355  
Delta R.T. 0.02 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 84 Resp: 63526  
Ion Ratio Lower Upper  
84 100  
56 0.0 115.8 173.6#  
41 80.8 74.6 111.8





#31

cis-1,2-Dichloroethene

Concen: 0.450 ppbv m

RT: 5.55 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

61 100

96 66.

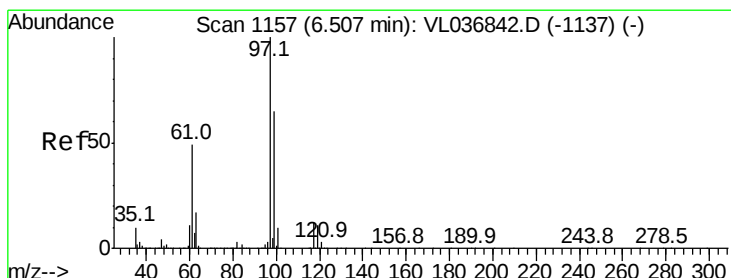
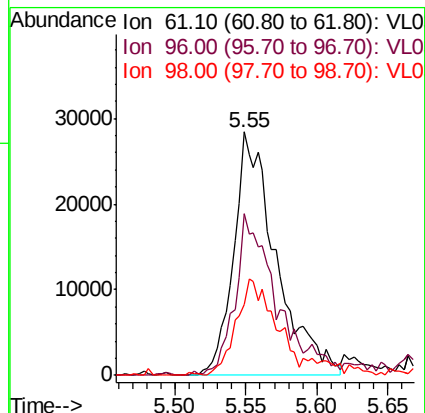
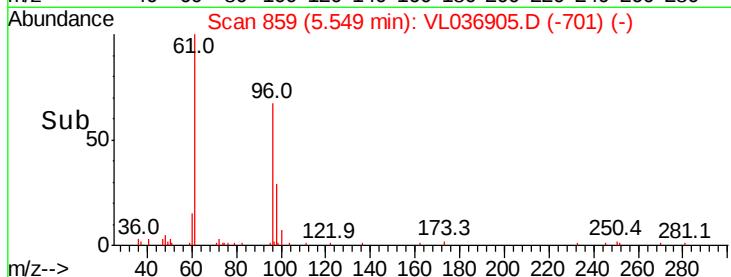
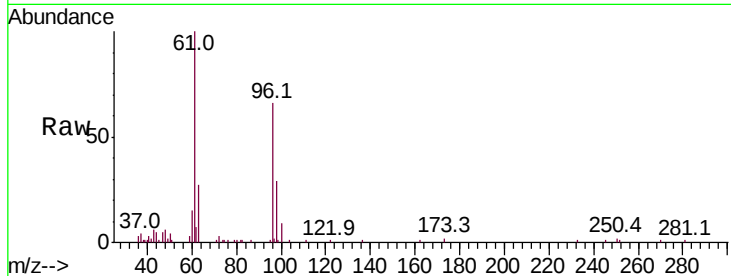
98 28.

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Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#32

1,1,1-Trichloroethane

Concen: 0.598 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

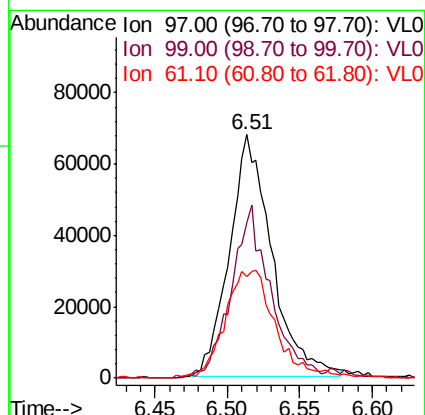
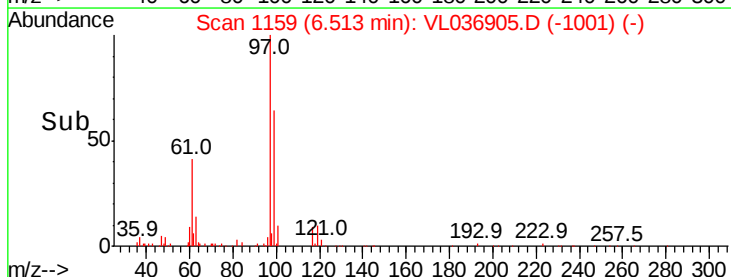
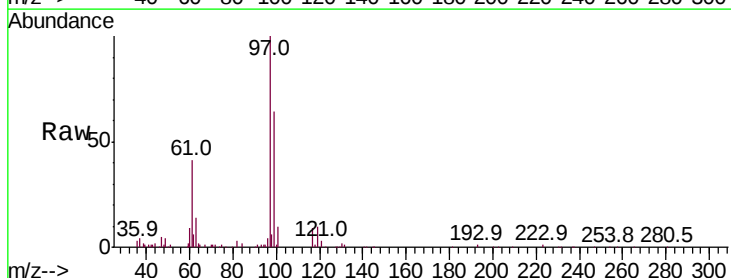
Tgt Ion: 97 Resp: 138017

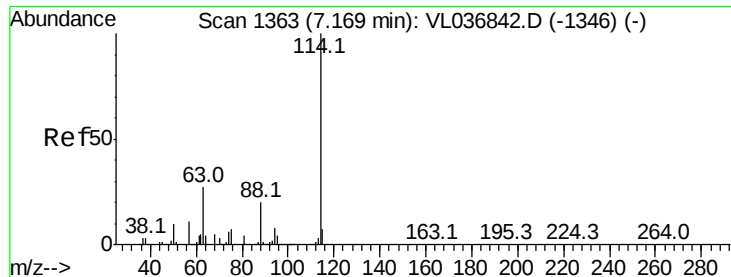
Ion Ratio Lower Upper

97 100

99 68.3 51.8 77.6

61 53.9 40.8 61.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18

Instrument: MSVOA\_1

Delta R.T.

Client SampleId:

Lab File: LOQ-AIR-02-OT2-2021

Acq: 6 May 2021 10:04

Tot Ion: 1

Ion Ratio

114 100

63 27.

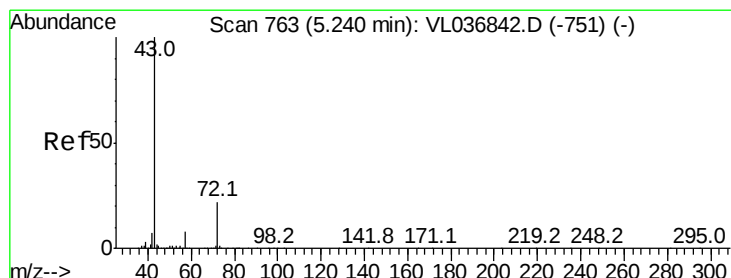
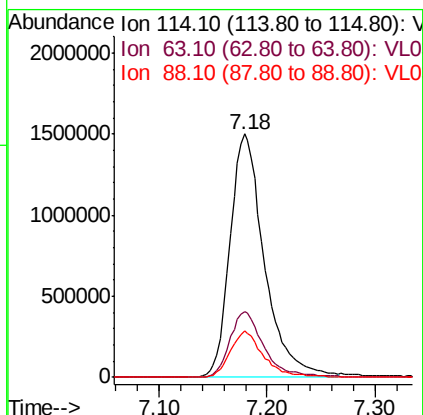
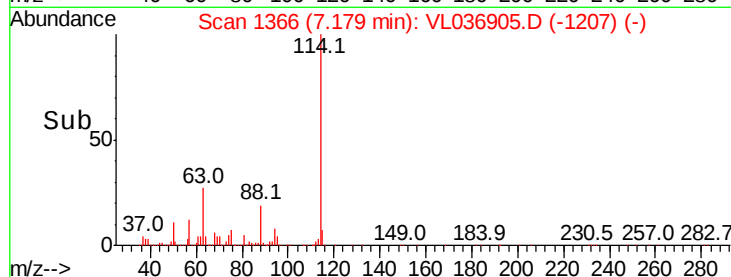
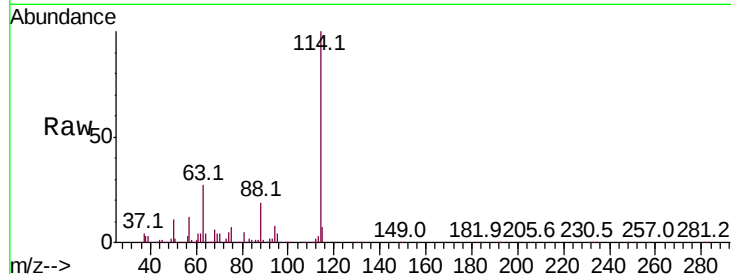
88 18.

Manual Integrations

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Reviewed By : Semsettin Yesilyurt 05/08/2021

Supervised By : Mahesh Dadoda 05/10/2021



#34

2-Butanone

Concen: 0.521 ppbv m

RT: 5.27 min Scan# 773

Delta R.T. 0.03 min

Lab File: VL036905.D

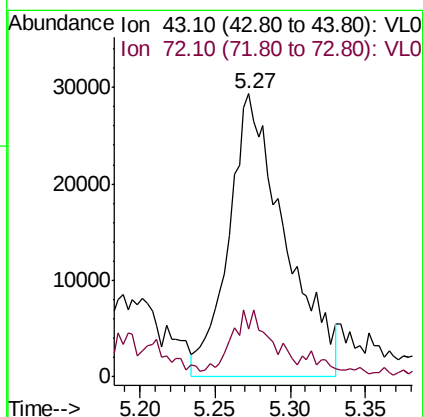
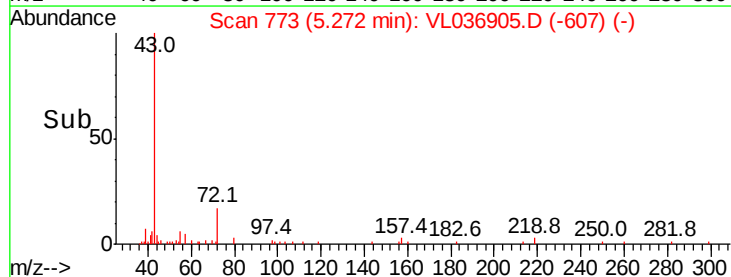
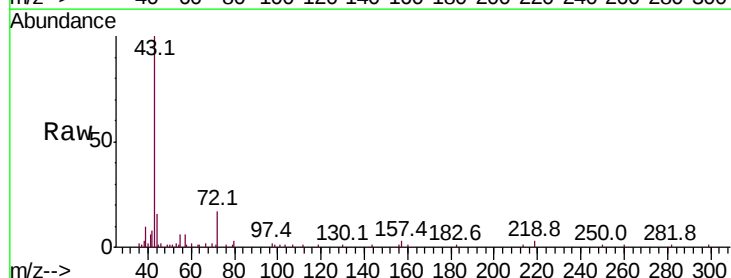
Acq: 6 May 2021 16:04

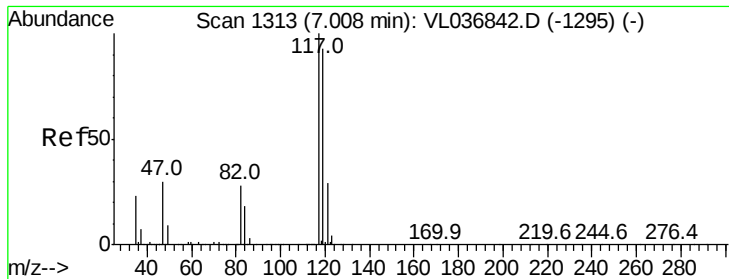
Tgt Ion: 43 Resp: 76206

Ion Ratio Lower Upper

43 100

72 22.1 17.6 26.4





#35

Carbon Tetrachloride

Concen: 0.645 ppbv

RT: 7.02

Delta R.T. MSVOA\_L

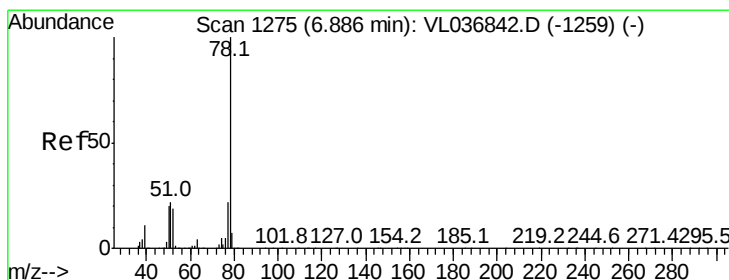
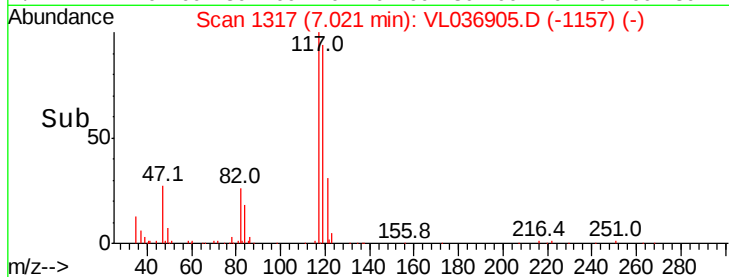
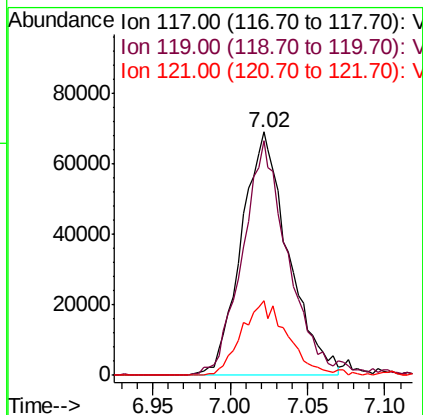
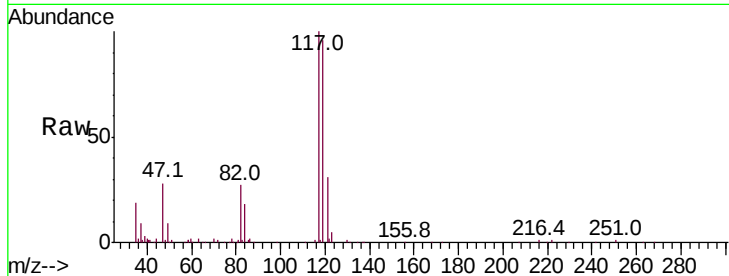
Lab File: ClientSampleId :

Acq: 6 May 2021 16:04

Tot Ion:1  
Ion Rati  
117 100  
119 96.  
121 32.

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Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#36

Benzene

Concen: 0.409 ppbv

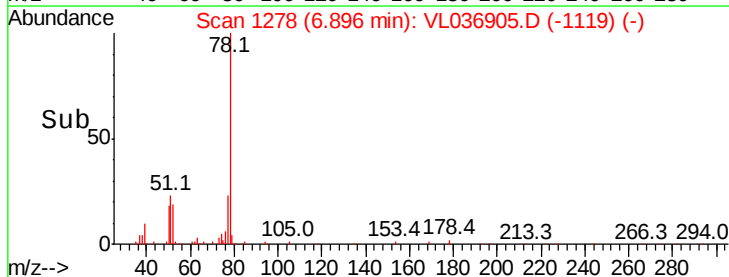
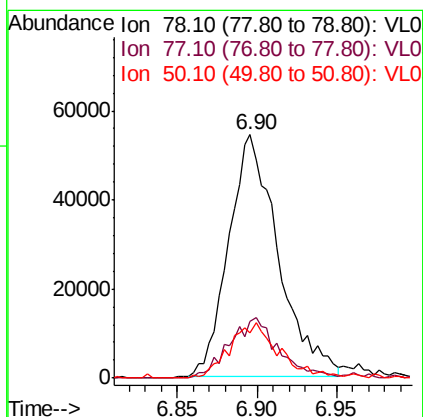
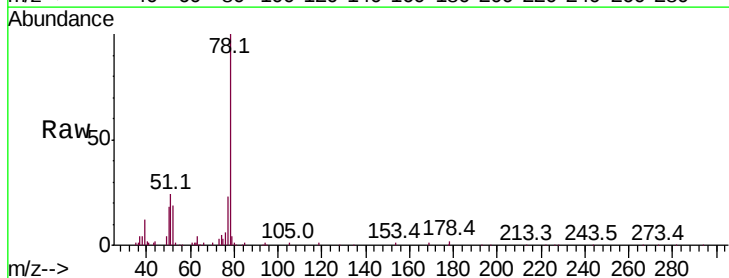
RT: 6.90 min Scan# 1278

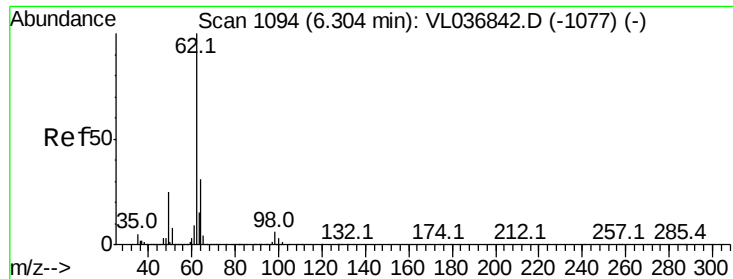
Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tgt Ion: 78 Resp: 115180  
Ion Ratio Lower Upper  
78 100  
77 23.3 17.6 26.4  
50 18.6 16.3 24.5



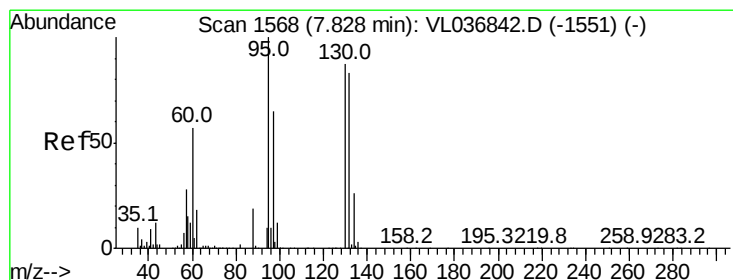
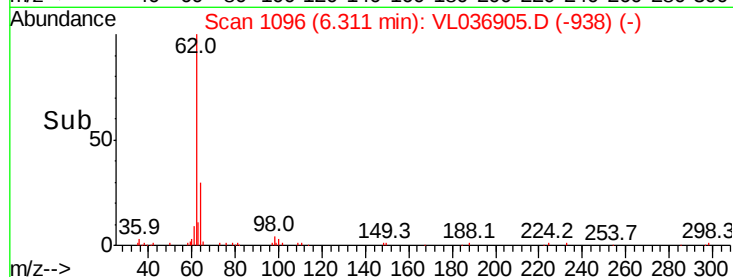
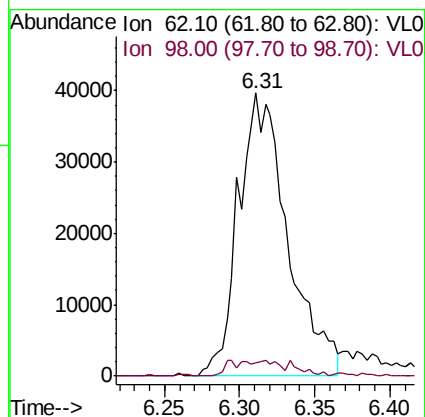
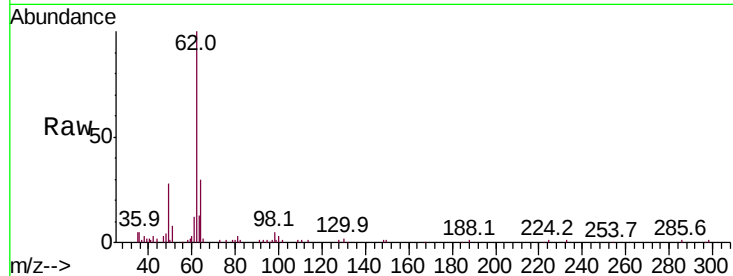


#37  
 1,2-Dichloroethane  
 Concen: 0.570 ppbv m  
 RT: 6.31  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 6 May 2021 10:04

Tot Ion:  
 Ion Ratio  
 62 100  
 98 0.

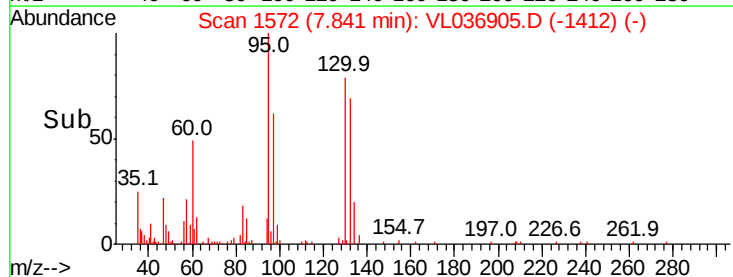
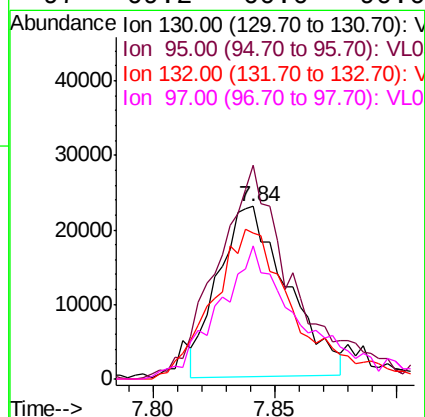
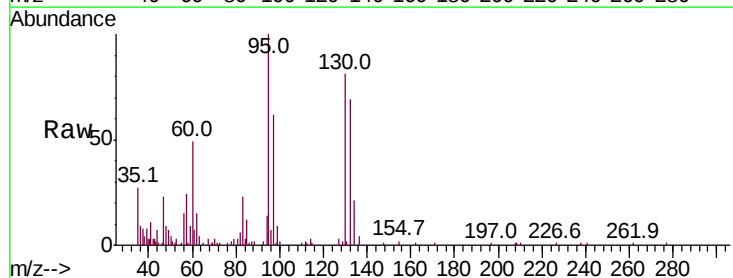
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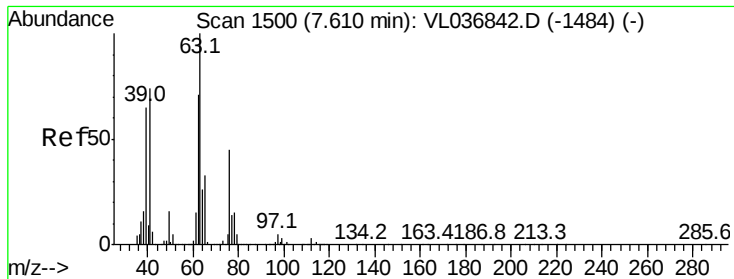
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#38  
 Trichloroethene  
 Concen: 0.448 ppbv  
 RT: 7.84 min Scan# 1572  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion:130 Resp: 44843  
 Ion Ratio Lower Upper  
 130 100  
 95 119.7 92.3 138.5  
 132 84.1 76.8 115.2  
 97 69.2 60.0 90.0



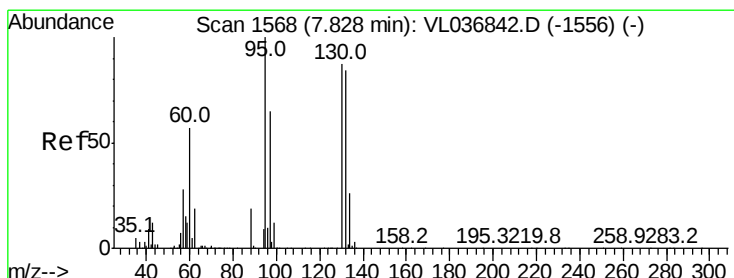
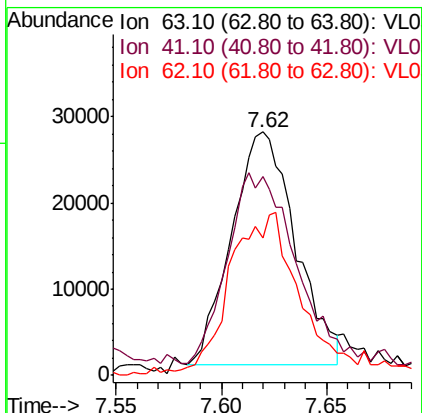
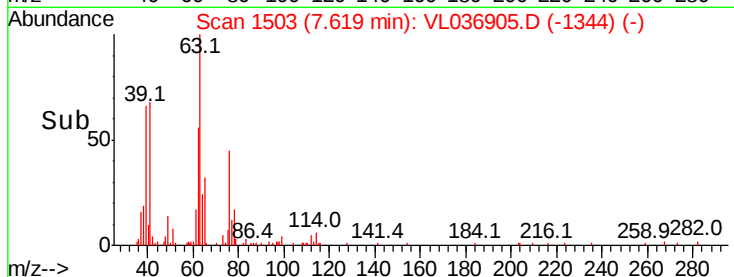
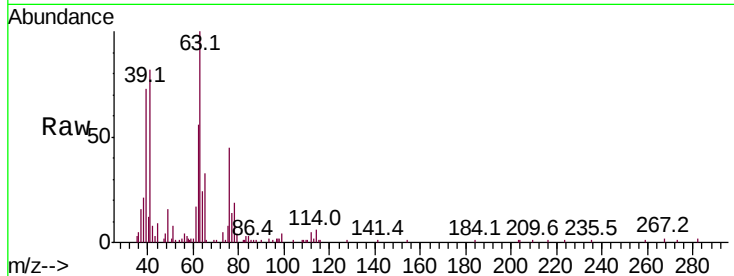


#39  
 1,2-Dichloropropane  
 Concen: 0.504 ppbv  
 RT: 7.62  
 Instrument: MSVOA\_1  
 Delta R.T.  
 Lab File: ClientSampleId :  
 Acq: 6 May 2021 10:04

Tot Ion:  
 Ion Ratio  
 63 100  
 41 80.  
 62 55.

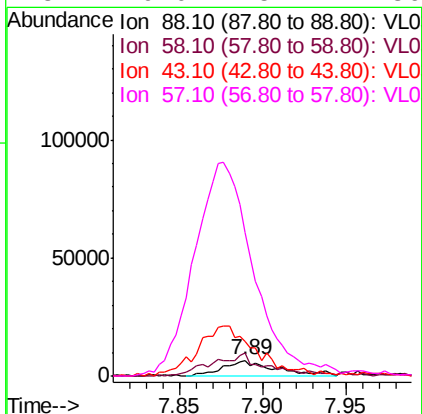
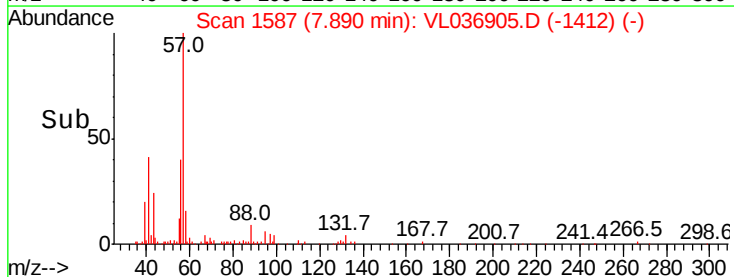
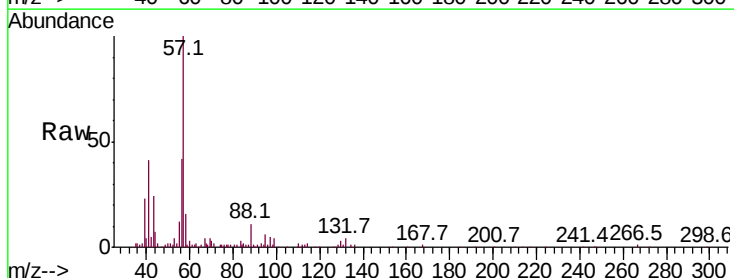
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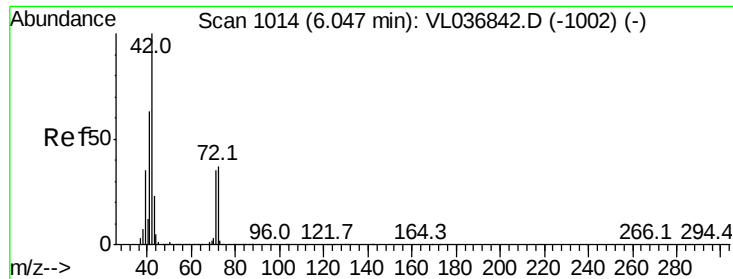
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#40  
 1,4-Dioxane  
 Concen: 0.535 ppbv m  
 RT: 7.89 min Scan# 1587  
 Delta R.T. 0.06 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion: 88 Resp: 14551  
 Ion Ratio Lower Upper  
 88 100  
 58 0.0 132.6 198.8#  
 43 0.0 331.5 497.3#  
 57 0.0 1457.4 2186.0#



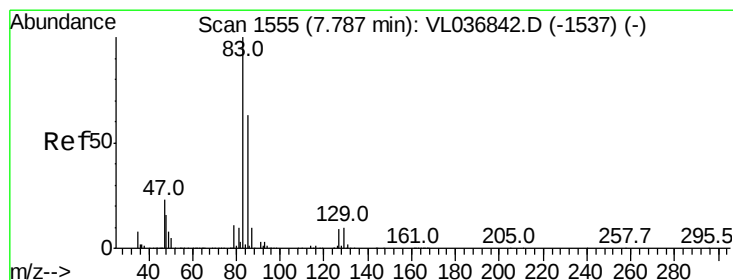
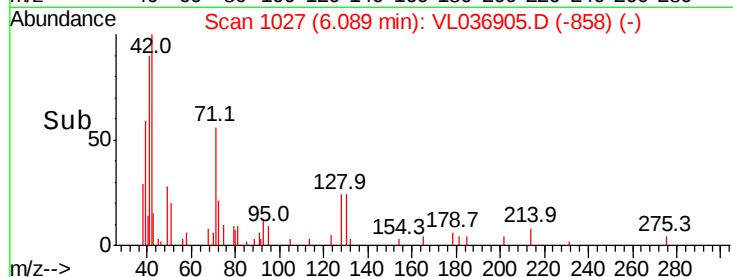
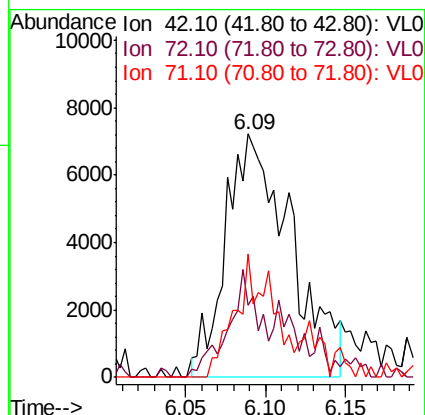
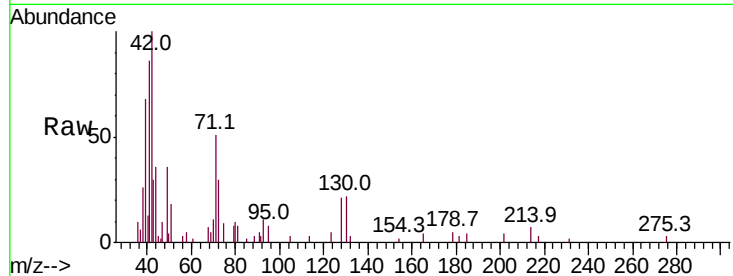


#41  
Tetrahydrofuran  
Concen: 0.322 ppbv m  
RT: 6.09  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

Tot Ion:  
Ion Ratio  
42 100  
72 1.  
71 0.

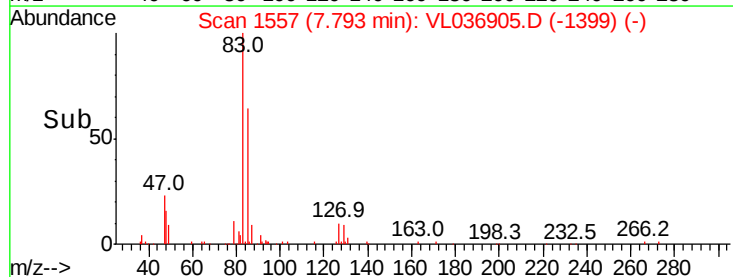
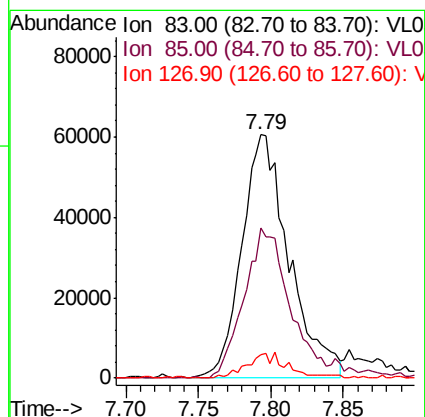
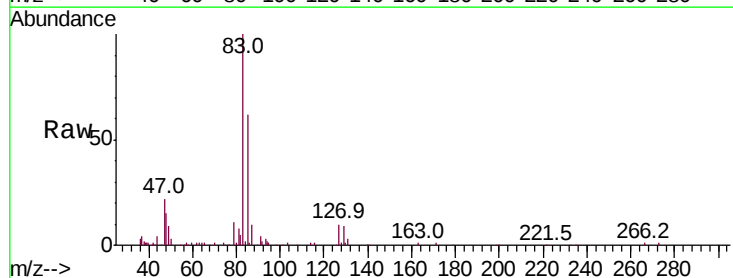
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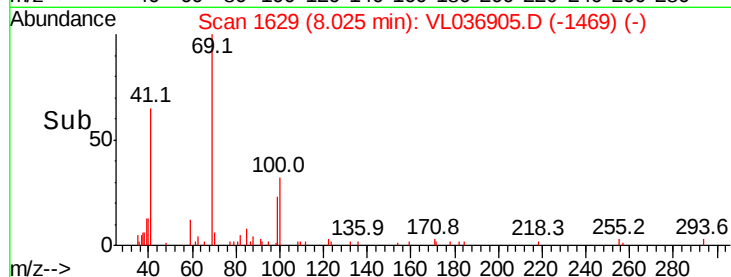
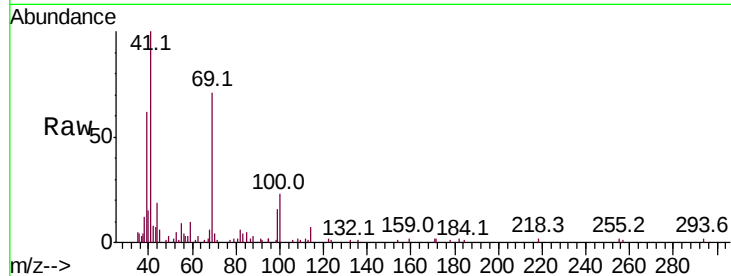
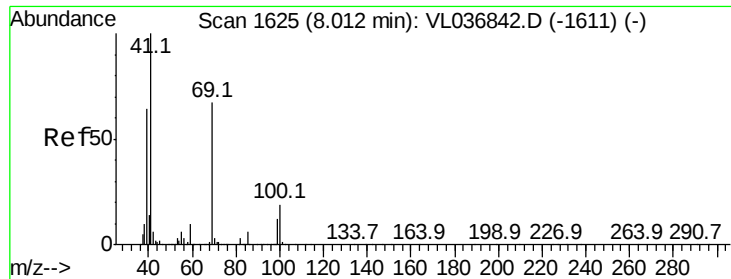
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#42  
Bromodichloromethane  
Concen: 0.621 ppbv  
RT: 7.79 min Scan# 1557  
Delta R.T. 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 83 Resp: 137376  
Ion Ratio Lower Upper  
83 100  
85 61.8 50.4 75.6  
127 9.7 6.9 10.3





#43

Methyl Methacrylate

Concen: 0.321 ppbv m

RT: 8.02

Instrument: MSVOA\_1

Delta R.T. 0.01

Lab File: ClientSampleId :

Acq: 6 May 2021 16:04

Tot Ion:

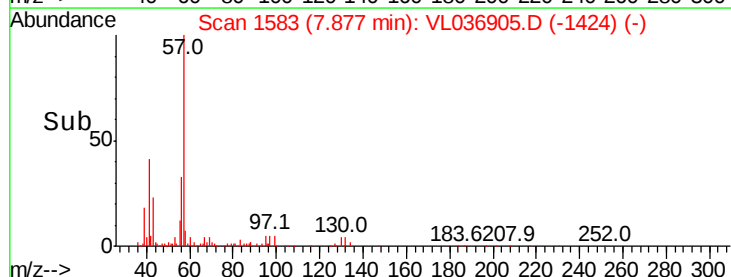
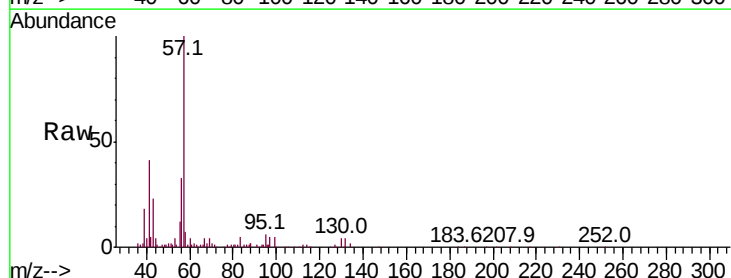
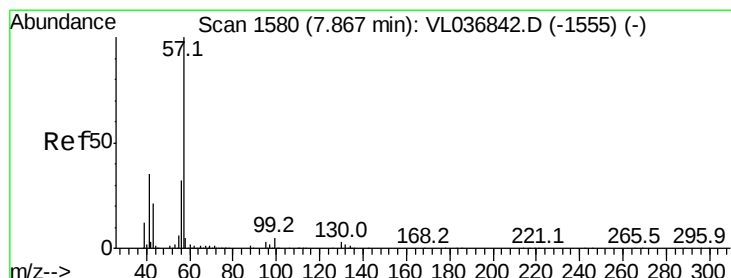
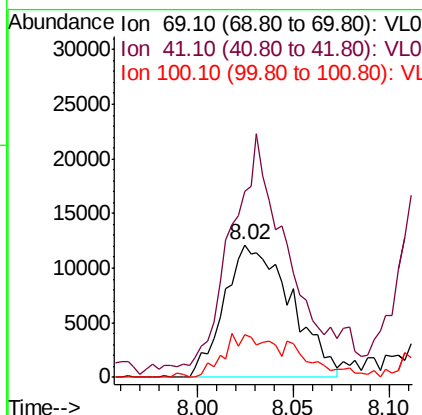
| Ion | Ratio |
|-----|-------|
| 69  | 100   |
| 41  | 159.  |
| 100 | 34.   |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#44

2,2,4-Trimethylpentane

Concen: 0.454 ppbv

RT: 7.88 min Scan# 1583

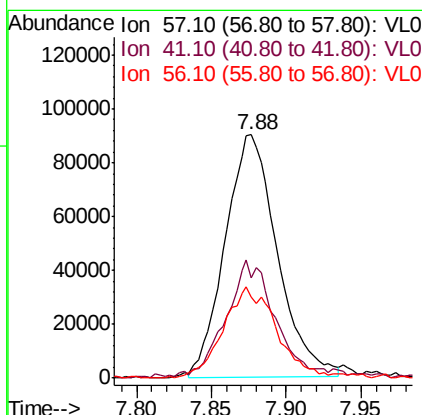
Delta R.T. 0.01 min

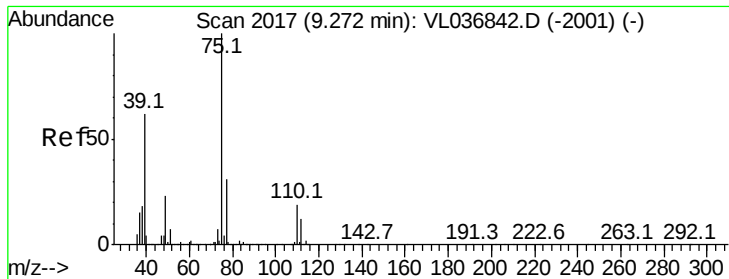
Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tgt Ion: 57 Resp: 218729

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 47.8  | 28.2  | 42.4# |
| 56  | 39.2  | 25.9  | 38.9# |





#45

t-1,3-Dichloropropene

Concen: 0.321 ppbv m

RT: 9.28 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

75 100

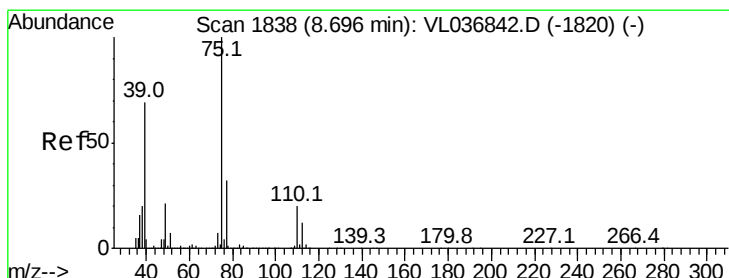
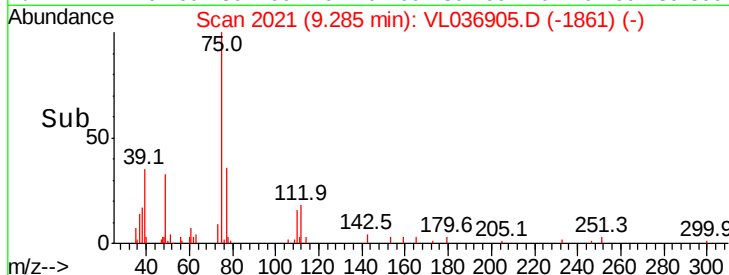
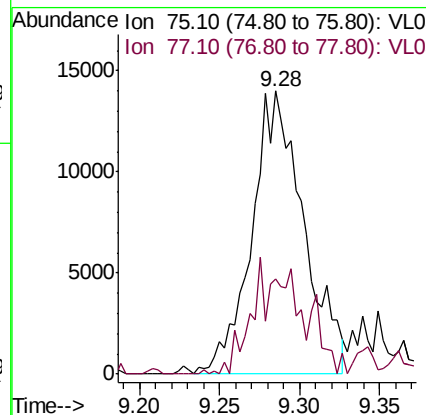
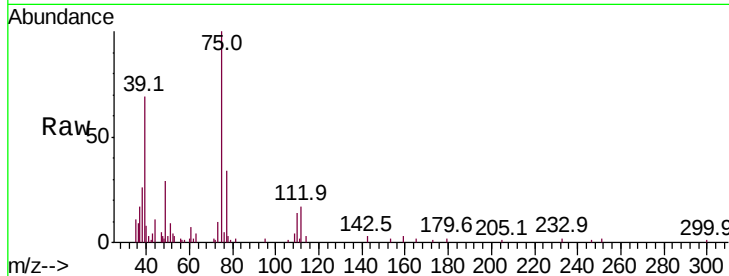
77 33.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#46

cis-1,3-Dichloropropene

Concen: 0.343 ppbv m

RT: 8.70 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

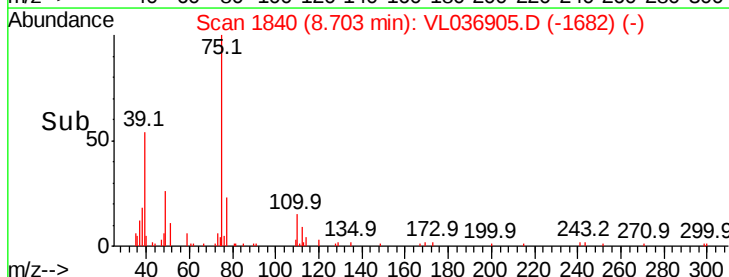
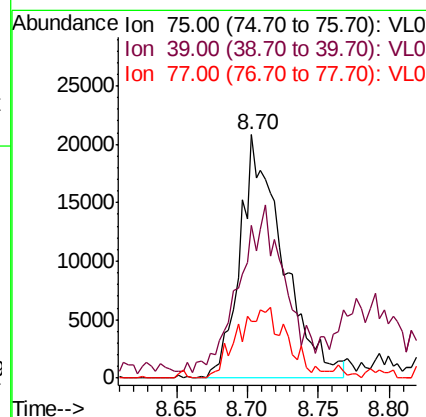
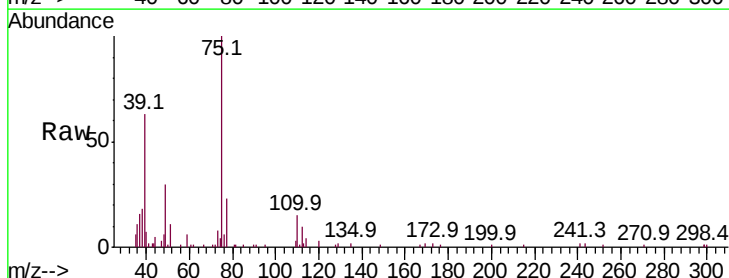
Tgt Ion: 75 Resp: 43549

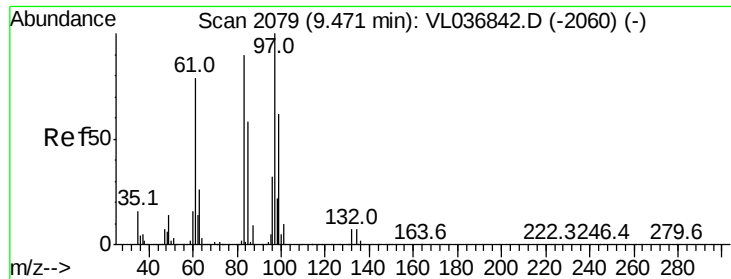
Ion Ratio Lower Upper

75 100

39 62.6 55.4 83.0

77 23.1 25.2 37.8#



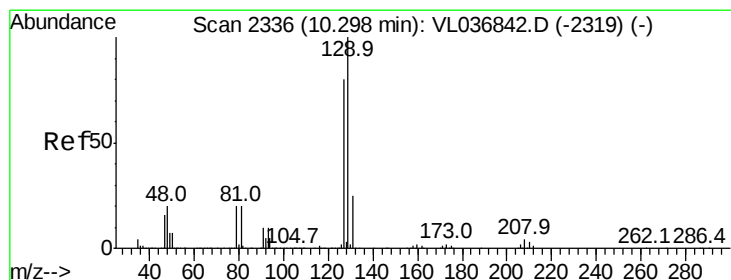
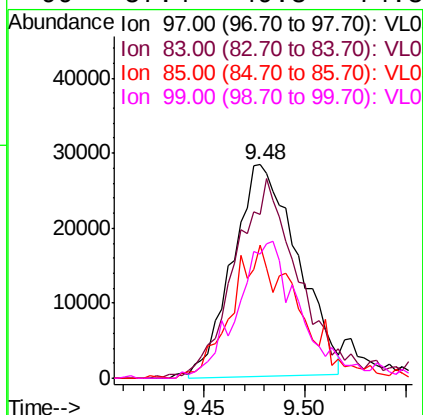
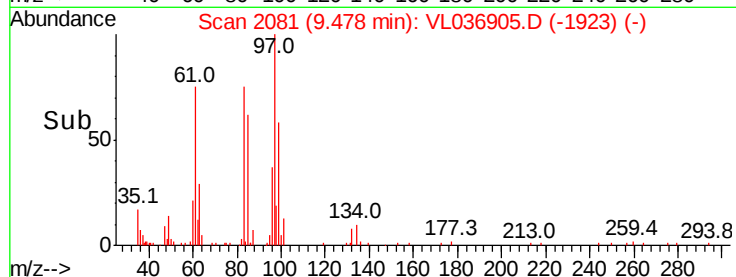
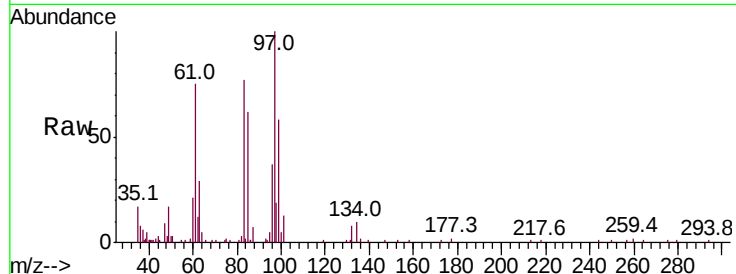


#47  
 1,1,2-Trichloroethane  
 Concen: 0.545 ppbv  
 RT: 9.48  
 Instrument: MSVOA.L  
 Delta R.T.:  
 Lab File: ClientSampleId:  
 Acq: 6 May 2021 10:04

Tot Ion:  
 Ion Ratio  
 97 100  
 83 74.  
 85 60.  
 99 57.4 49.8 74.8

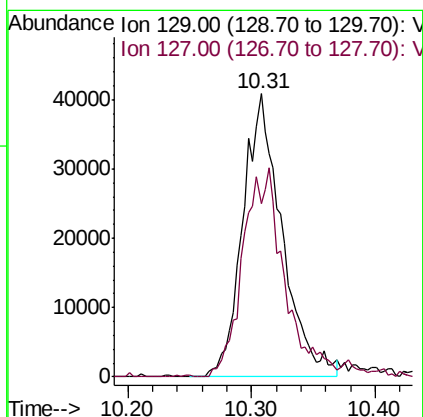
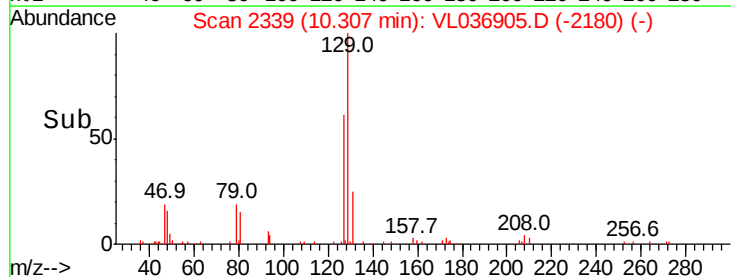
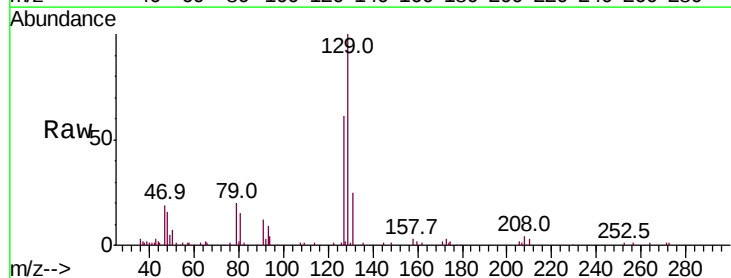
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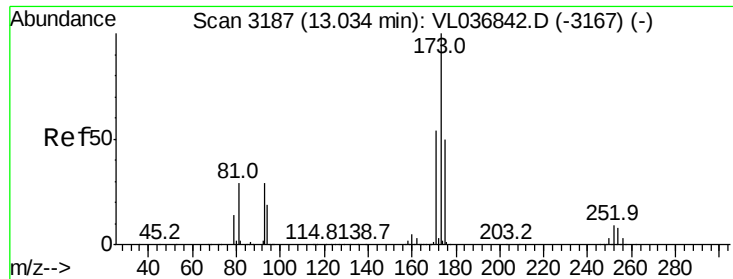
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#48  
 Dibromochloromethane  
 Concen: 0.519 ppbv m  
 RT: 10.31 min Scan# 2339  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion:129 Resp: 89733  
 Ion Ratio Lower Upper  
 129 100  
 127 81.6 40.2 120.5





#49

Bromoform

Concen: 0.517 ppbv

RT: 13.04

Delta R.T.

Lab File:

Acq: 6 May 2021 10:04

Instrument:

MSVOA\_1

ClientSampleId:

LOQ-AIR-02-OT2-2021

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021

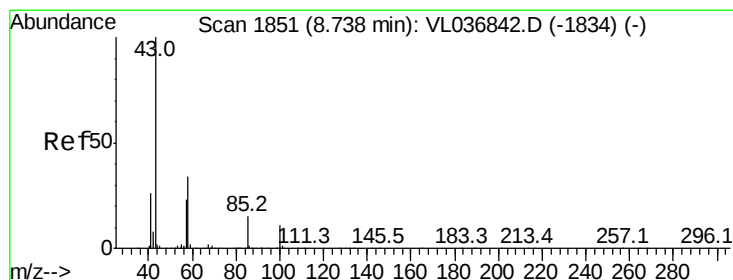
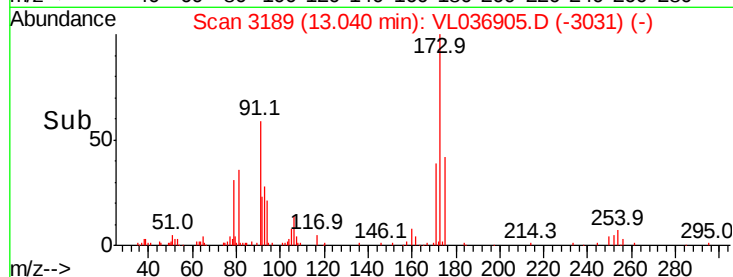
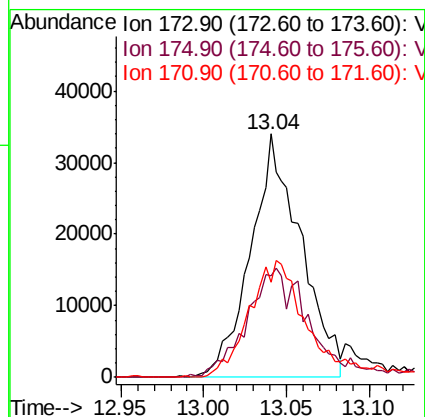
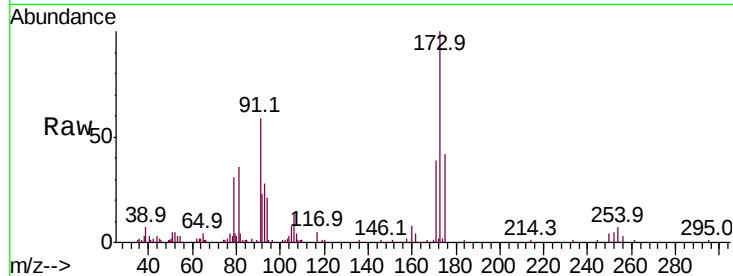
Tot Ion:1

Ion Rati

173 100

175 58.

171 57.



#50

4-Methyl-2-Pentanone

Concen: 0.368 ppbv m

RT: 8.79 min Scan# 1866

Delta R.T. 0.05 min

Lab File: VL036905.D

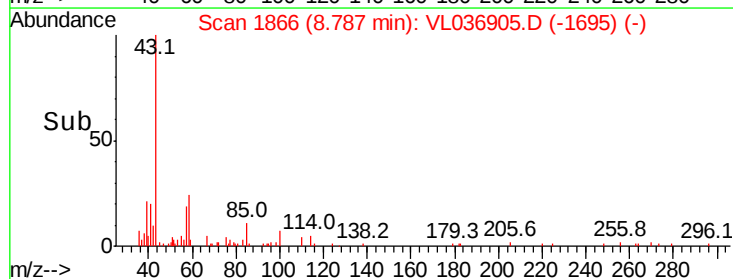
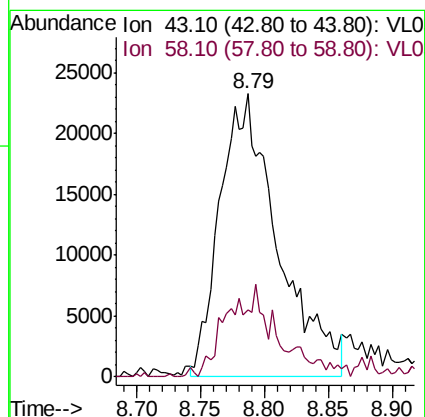
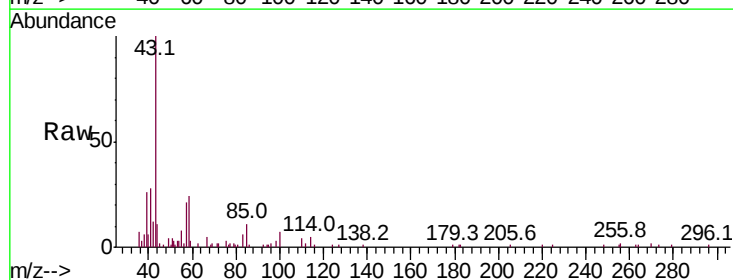
Acq: 6 May 2021 16:04

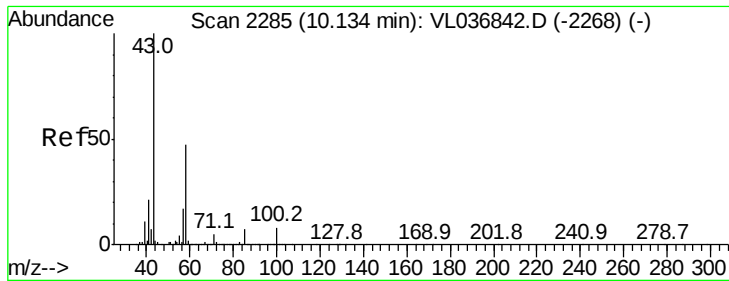
Tgt Ion: 43 Resp: 73622

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



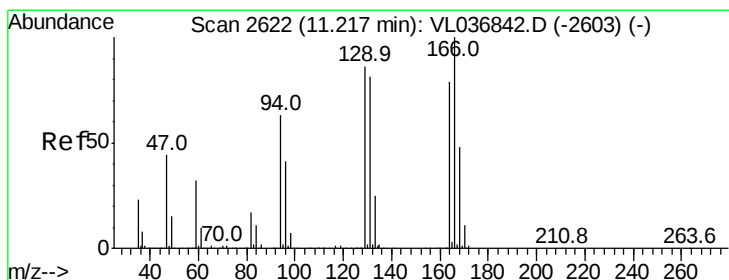
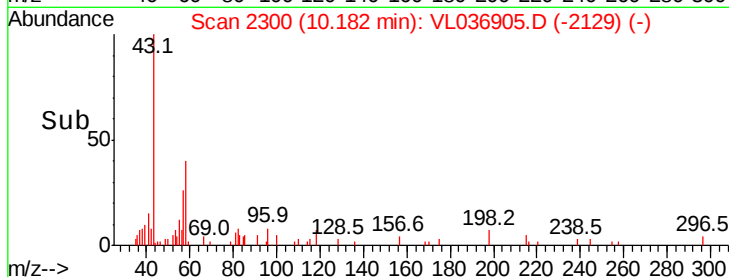
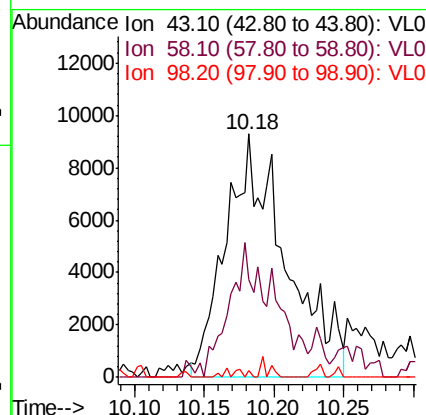
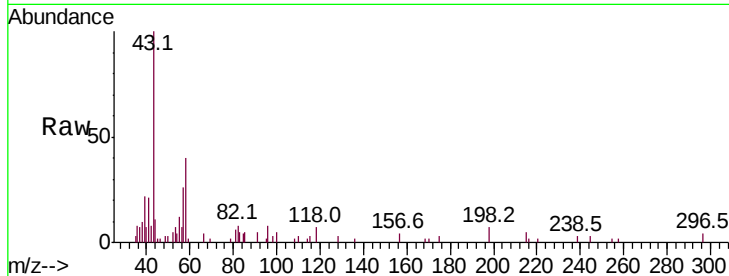


#51  
2-Hexanone  
Concen: 0.278 ppbv m  
RT: 10.18  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

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

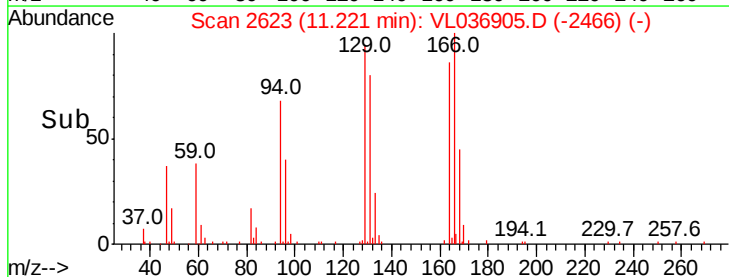
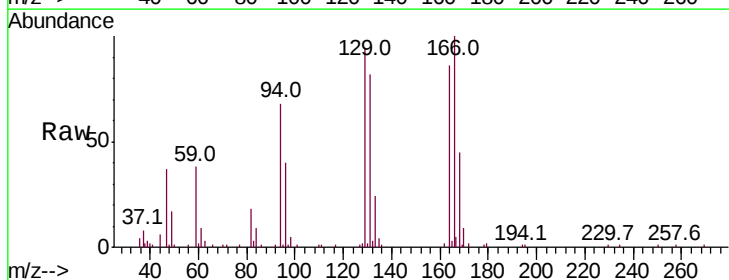
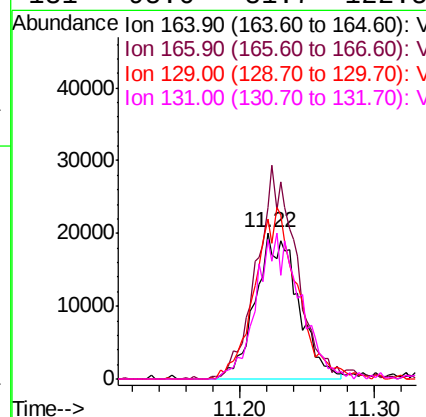
Manual Integrations  
APPROVED

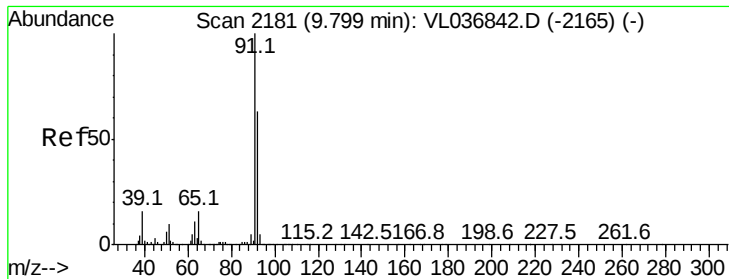
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#52  
Tetrachloroethene  
Concen: 0.458 ppbv m  
RT: 11.22 min Scan# 2623  
Delta R.T. 0.00 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion:164 Resp: 43905  
Ion Ratio Lower Upper  
164 100  
166 116.8 100.9 151.3  
129 109.7 87.0 130.4  
131 95.6 81.7 122.5





#53

Toluene

Concen: 0.332 ppbv m

RT: 9.81 Instrument:

Delta R.T. MSVOA\_1

Lab File: ClientSampleId:

Acq: 6 May 2021 10:04

Tot Ion:

Ion Ratio

91 100

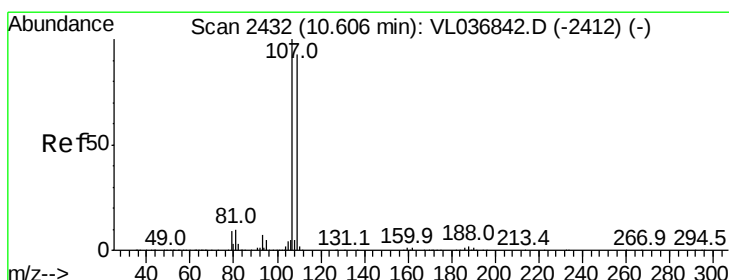
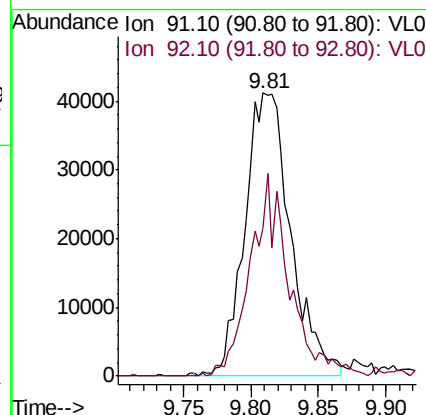
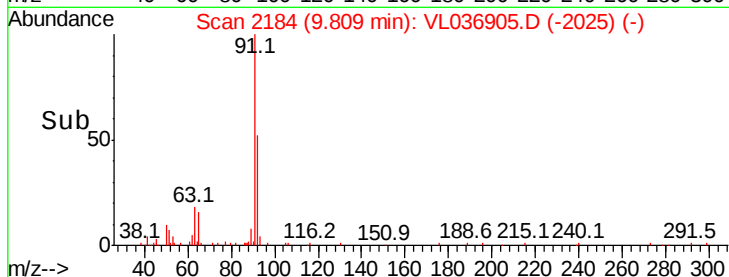
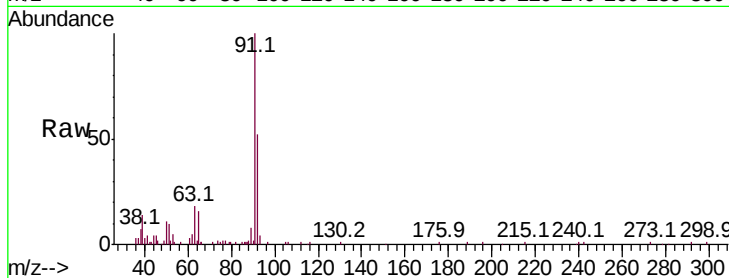
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



#54

1,2-Dibromoethane

Concen: 0.477 ppbv m

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL036905.D

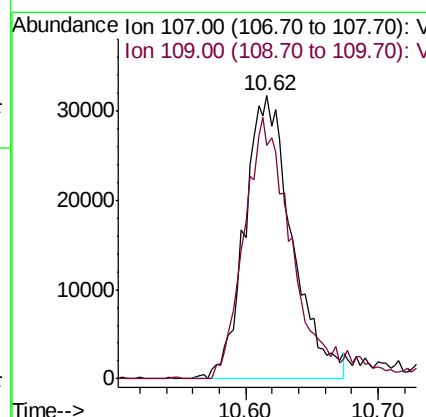
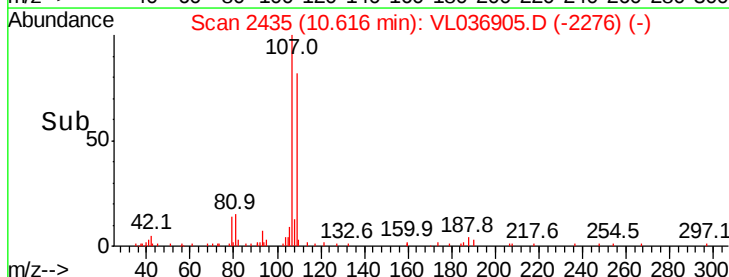
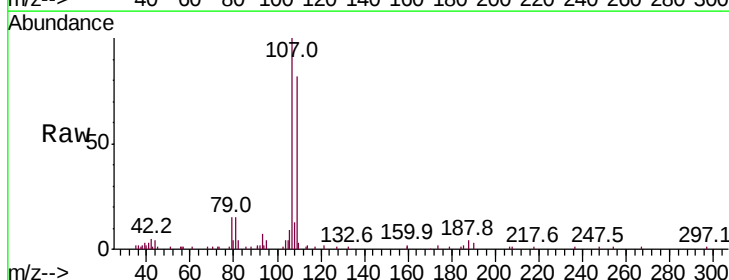
Acq: 6 May 2021 16:04

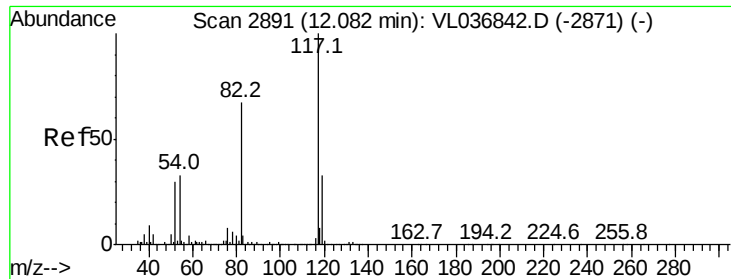
Tgt Ion:107 Resp: 78520

Ion Ratio Lower Upper

107 100

109 82.4 74.7 112.1



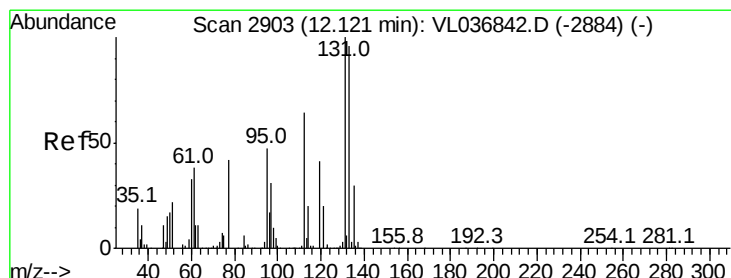
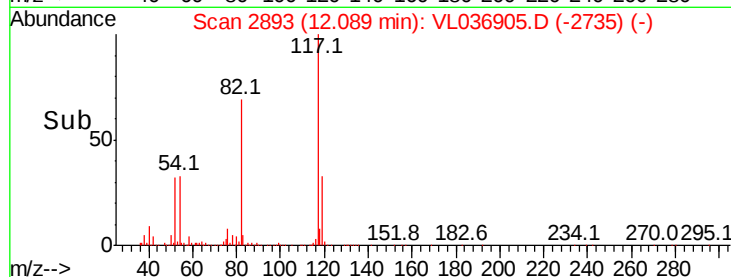
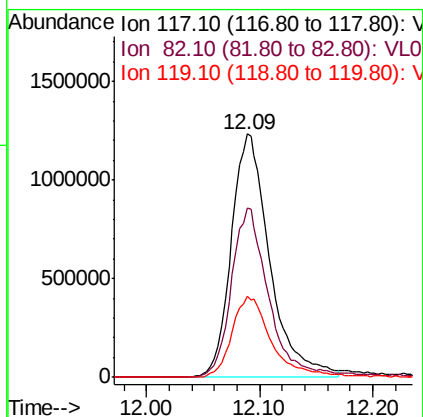
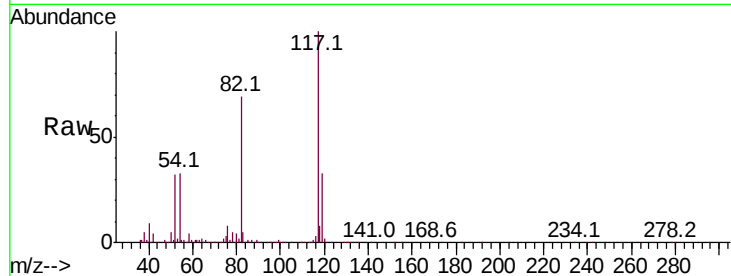


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.09 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.00 min  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

Tot Ion: 1  
Ion Ratio  
117 100  
82 70.1  
119 34.1

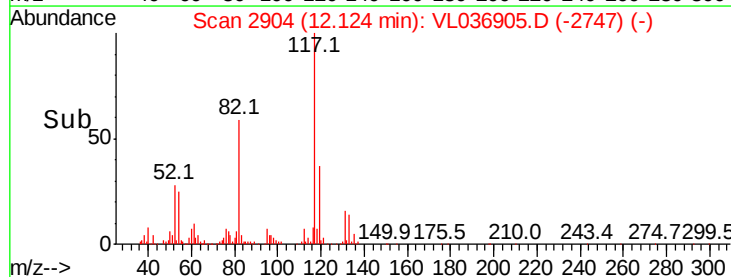
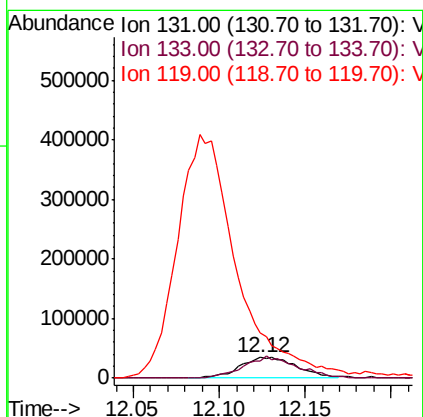
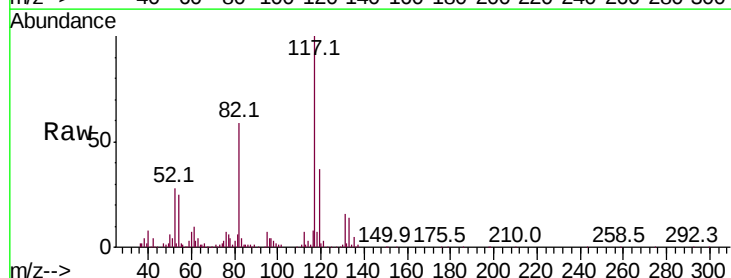
Manual Integrations  
APPROVED

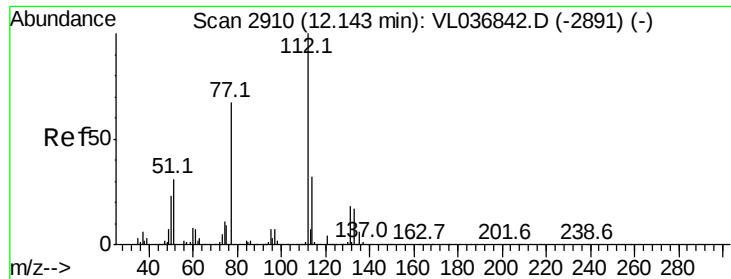
Reviewed By : Semsettin Yesilyurt 05/08/2021  
Supervised By : Mahesh Dadoda 05/10/2021



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.651 ppbv  
RT: 12.12 min Scan# 2904  
Delta R.T.: 0.00 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 131 Resp: 79637  
Ion Ratio Lower Upper  
131 100  
133 102.2 76.3 114.5  
119 1274.2 114.9 172.3#



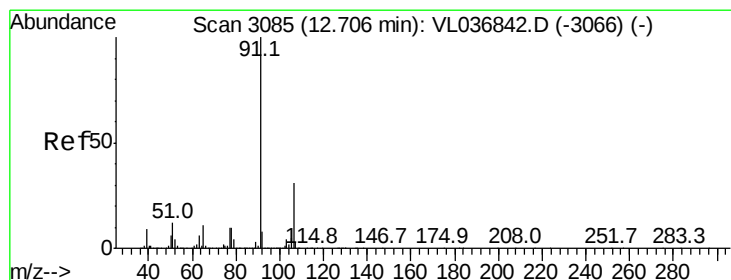
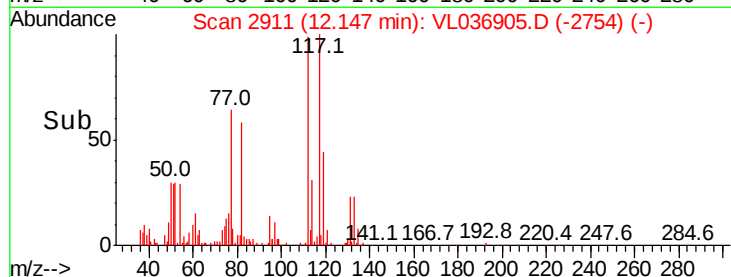
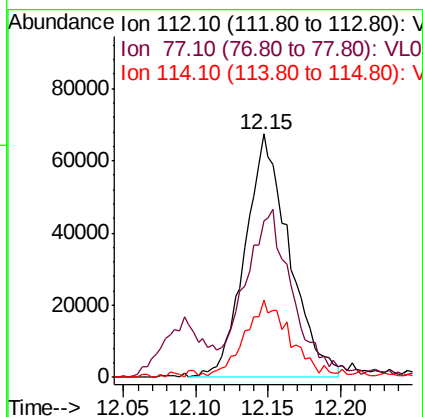
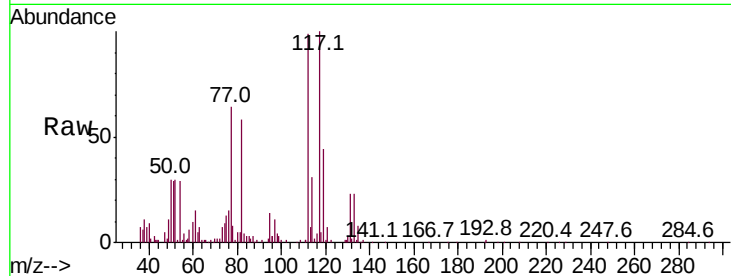


#57  
Chlorobenzene  
Concen: 0.631 ppbv  
RT: 12.15 min  
Instrument: MSVOA\_1  
Delta R.T.: 0.01 min  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

Tot Ion: 1  
Ion Ratio  
112 100  
77 58.1  
114 29.1

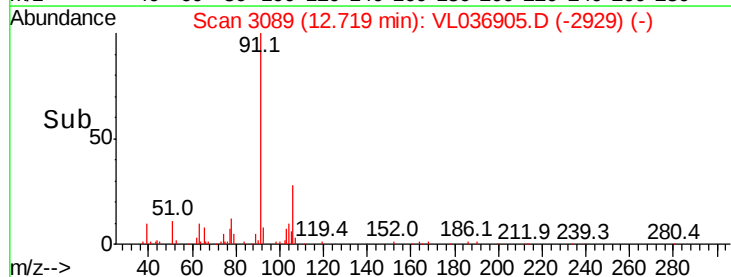
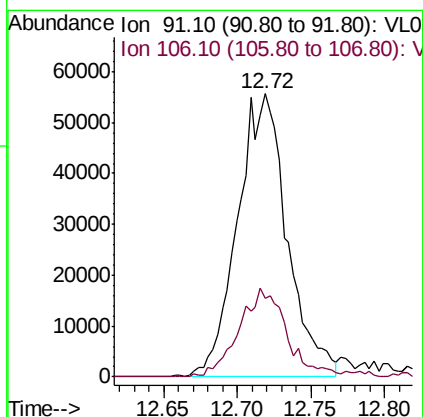
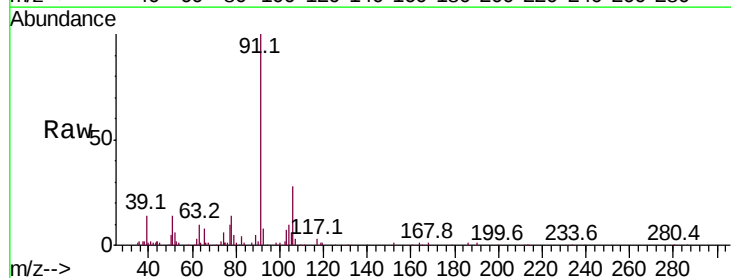
Manual Integrations  
APPROVED

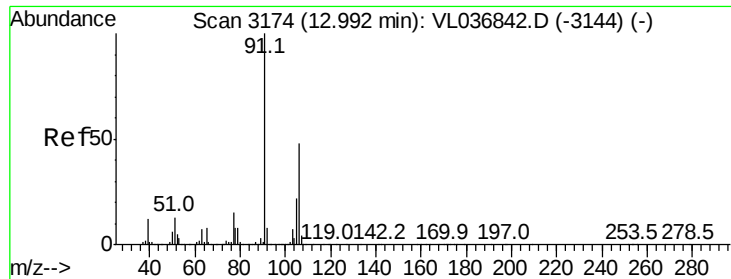
Reviewed By : Semsettin Yesilyurt 05/08/2021  
Supervised By : Mahesh Dadoda 05/10/2021



#58  
Ethyl Benzene  
Concen: 0.352 ppbv m  
RT: 12.72 min Scan# 3089  
Delta R.T.: 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 91 Resp: 130226  
Ion Ratio Lower Upper  
91 100  
106 27.6 25.1 37.7



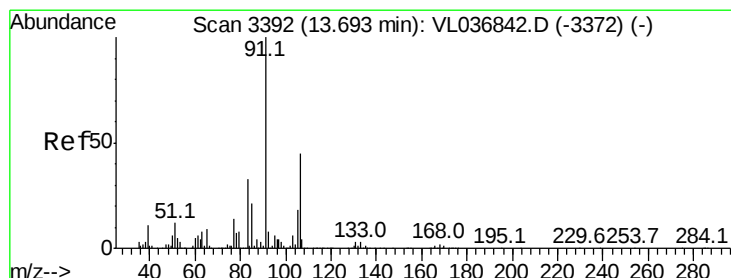
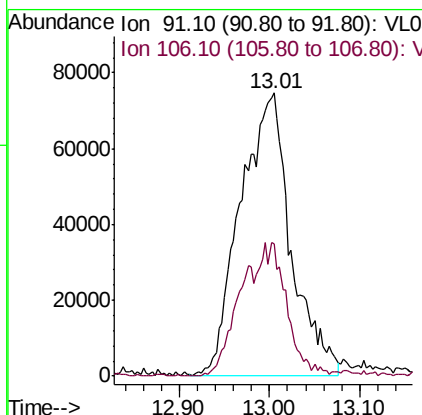
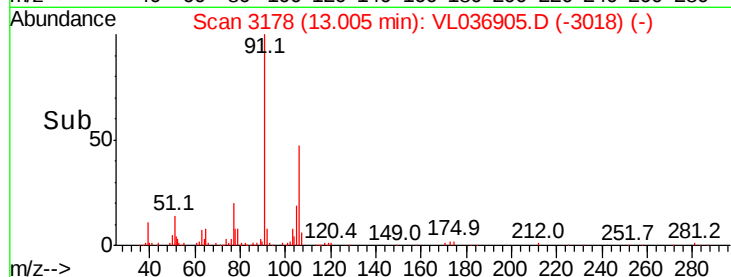
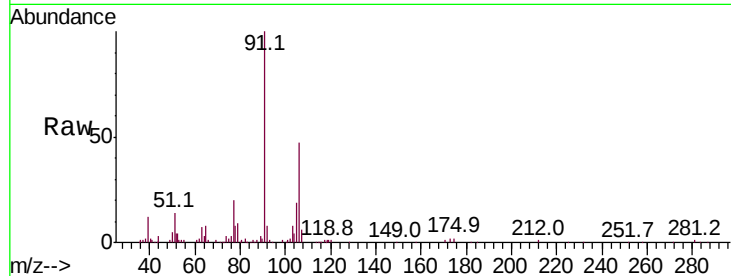


#59  
m/p-Xylene  
Concen: 0.884 ppbv m  
RT: 13.01  
Delta R.T. MSVOA\_L  
Lab File: ClientSampleId :  
Acq: 6 May 2021 10:04

Tot Ion:  
Ion Ratio  
91 100  
106 43.

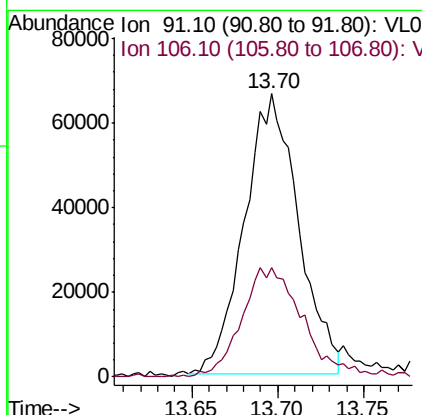
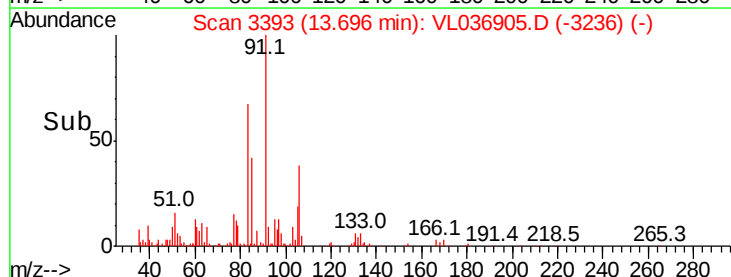
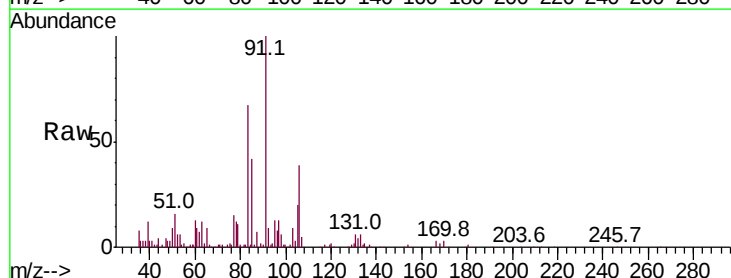
Manual Integrations  
APPROVED

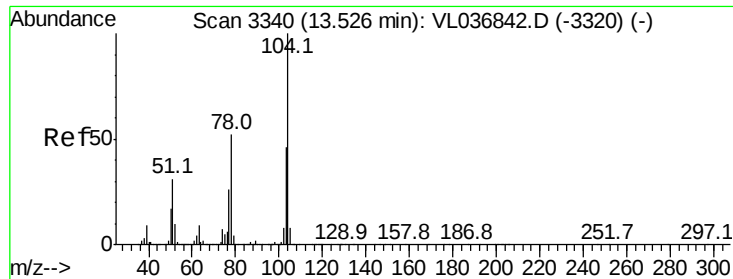
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#60  
o-Xylene  
Concen: 0.453 ppbv  
RT: 13.70 min Scan# 3393  
Delta R.T. 0.00 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 91 Resp: 144732  
Ion Ratio Lower Upper  
91 100  
106 46.1 22.6 67.7





#61

Stvrene

Concen: 0.285 ppbv m

RT: 13.53

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:1

Ion Rati

104 100

78 57.

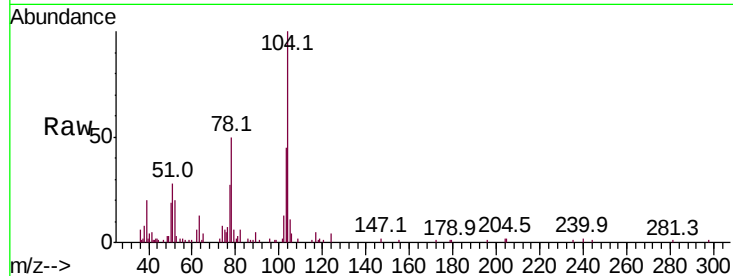
103 50.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2021

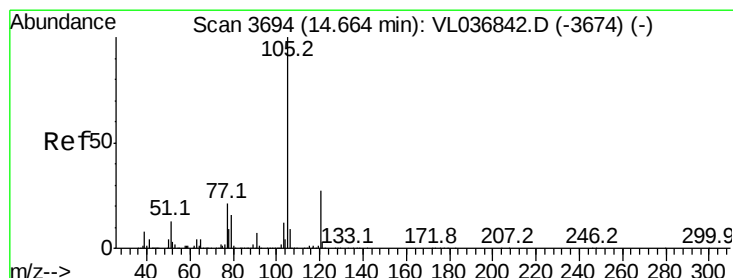
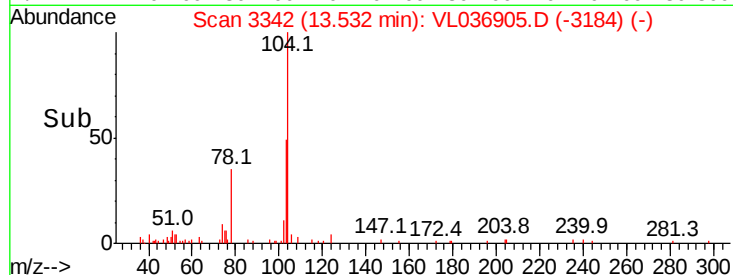
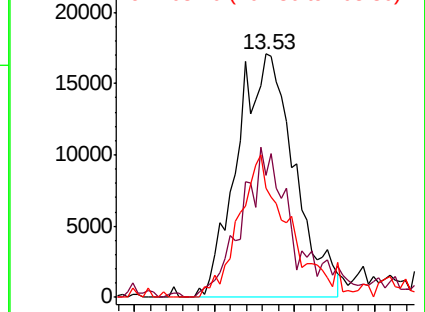
Supervised By :Mahesh Dadoda 05/10/2021



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.484 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL036905.D

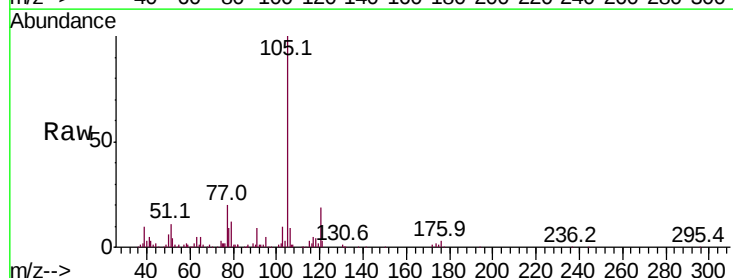
Acq: 6 May 2021 16:04

Tgt Ion:105 Resp: 210388

Ion Ratio Lower Upper

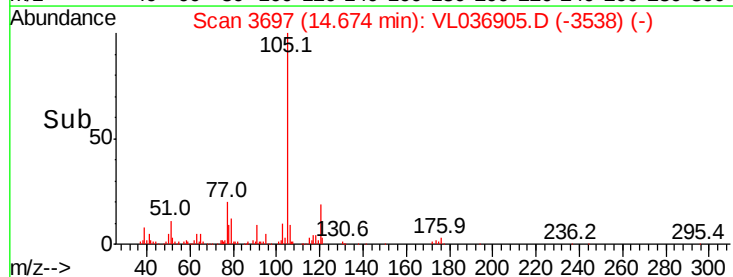
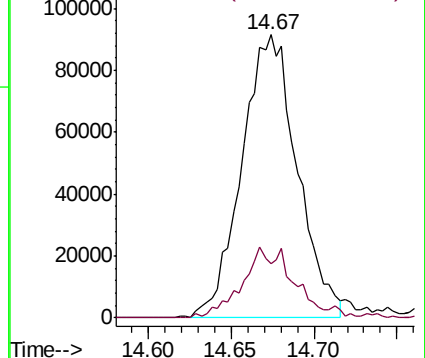
105 100

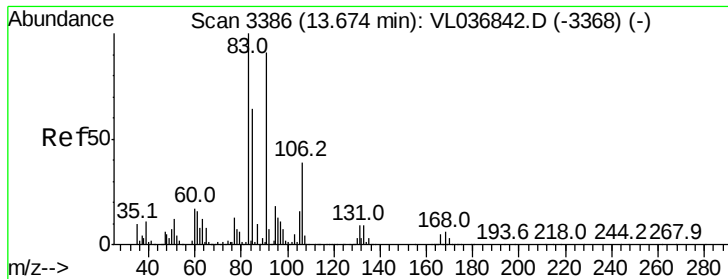
120 24.2 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



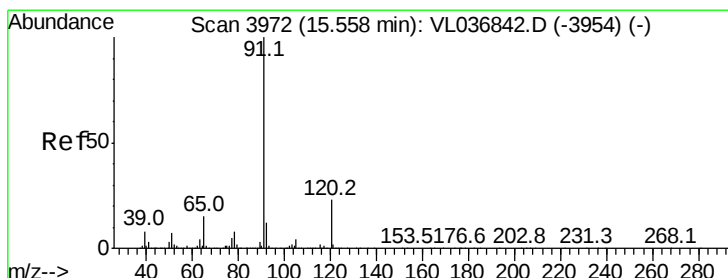
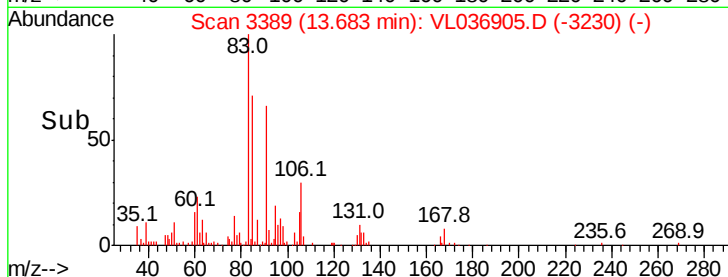
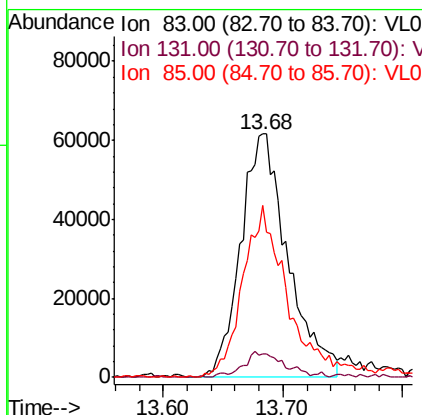
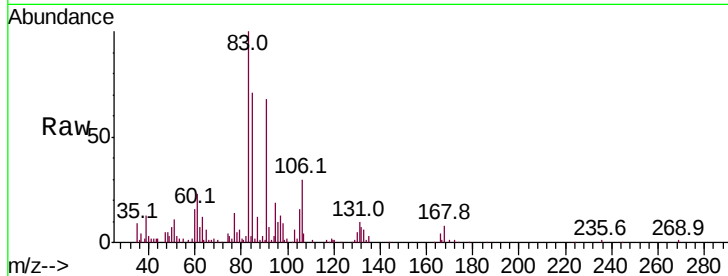


#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 0.655 ppbv m  
 RT: 13.68  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 6 May 2021 10:04

Tot Ion:  
 Ion Ratio  
 83 100  
 131 9.  
 85 70.

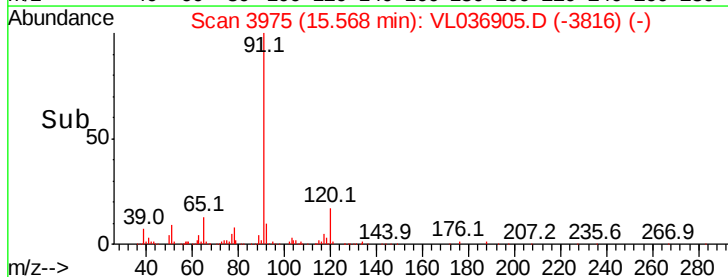
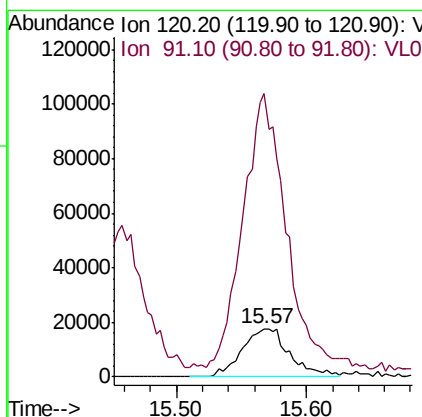
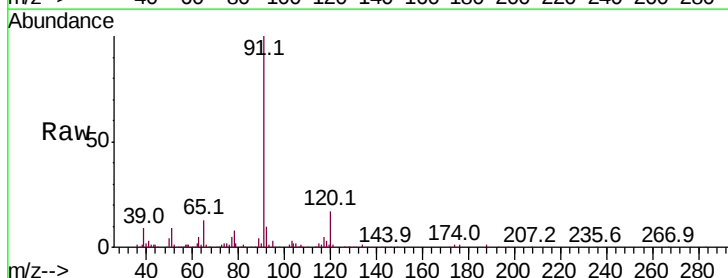
Manual Integrations  
 APPROVED

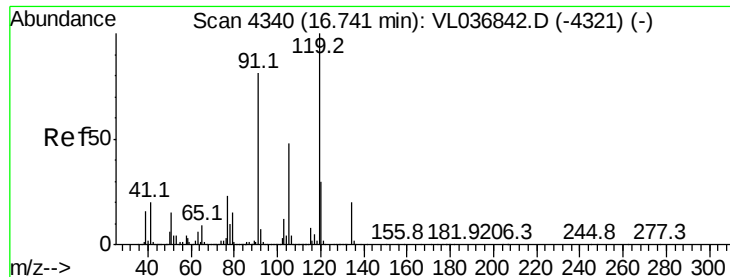
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#64  
 n-propylbenzene  
 Concen: 0.416 ppbv m  
 RT: 15.57 min Scan# 3975  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion:120 Resp: 45041  
 Ion Ratio Lower Upper  
 120 100  
 91 566.0 378.6 567.8



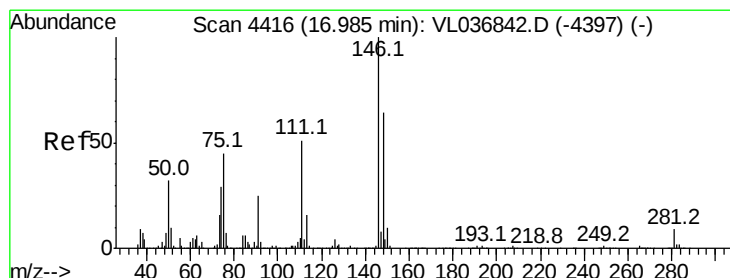
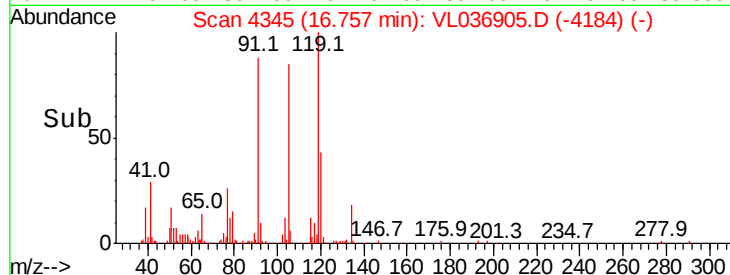
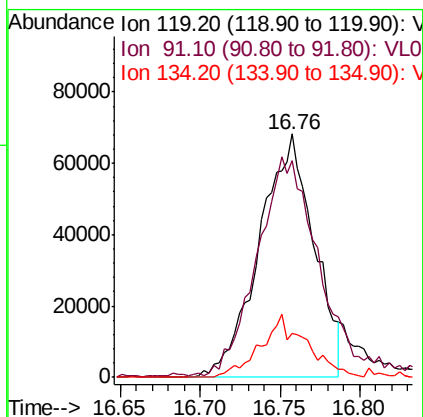
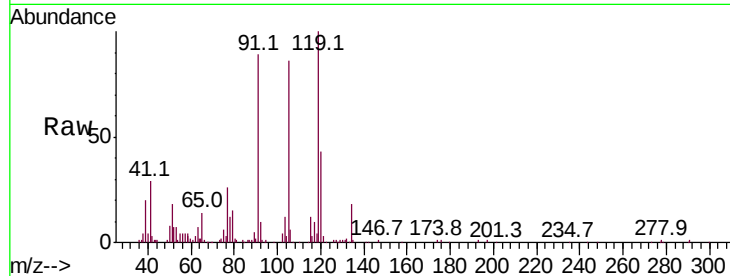


#65  
tert-Butylbenzene  
Concen: 0.419 ppbv  
RT: 16.76 min  
Instrument: MSVOA\_1  
Delta R.T.:  
Lab File: ClientSampleId :  
Acq: 6 May 2021 16:04

Tot Ion: 1  
Ion Ratio  
119 100  
91 106.  
134 23.

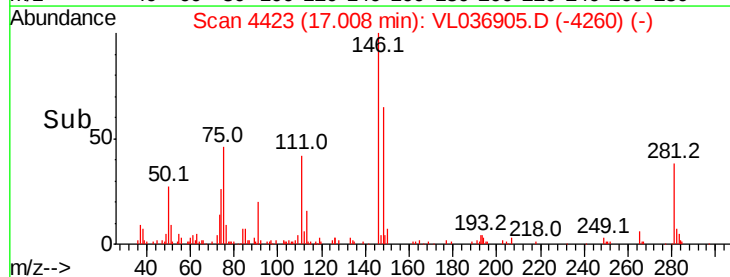
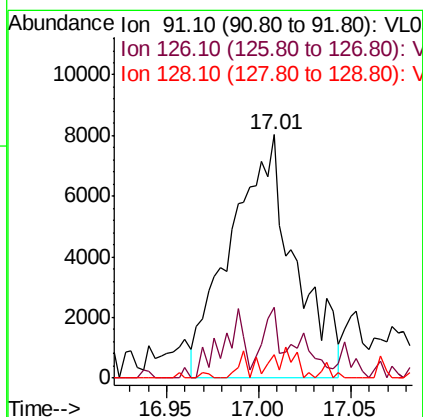
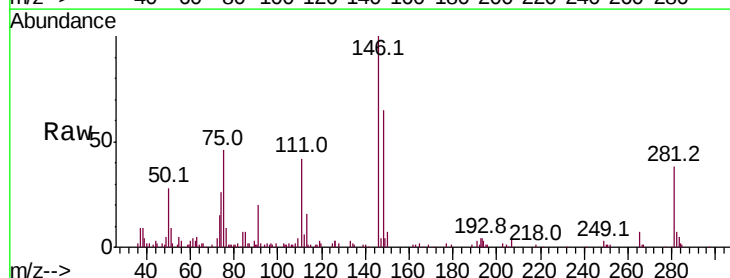
Manual Integrations  
APPROVED

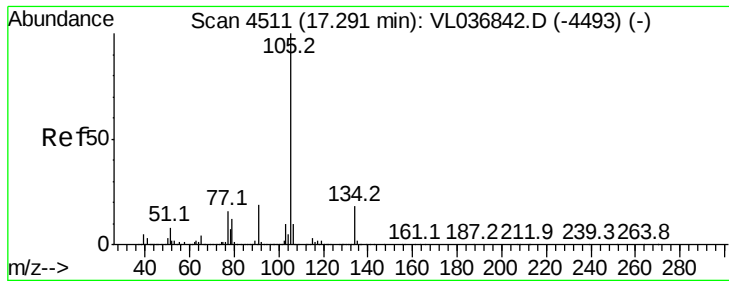
Reviewed By : Semsettin Yesilyurt 05/08/2021  
Supervised By : Mahesh Dadoda 05/10/2021



#66  
Benzyl Chloride  
Concen: 0.515 ppbv m  
RT: 17.01 min Scan# 4423  
Delta R.T.: 0.02 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion: 91 Resp: 19371  
Ion Ratio Lower Upper  
91 100  
126 10.0 14.1 21.1#  
128 0.5 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.442 ppbv

RT: 17.30

Delta R.T. MSVOA\_L

Lab File:

Acq: 6 May 2021 10:04

ClientSampleId :

LOQ-AIR-02-OT2-2021

Tot Ion:1

Ion Ratio

105 100

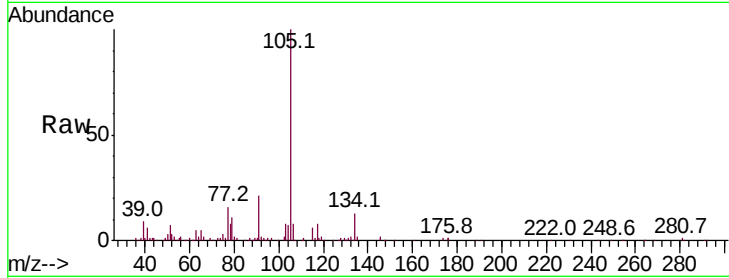
134 18.

Manual Integrations

APPROVED

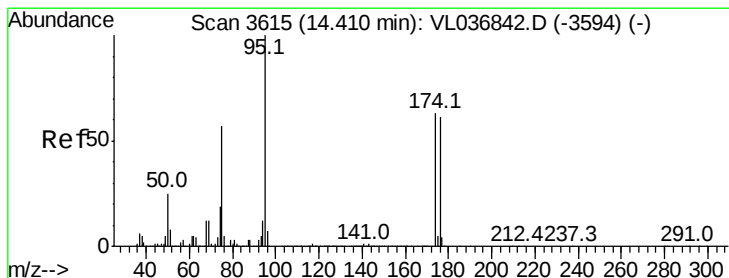
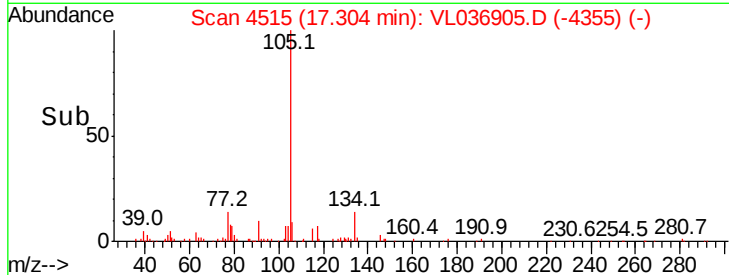
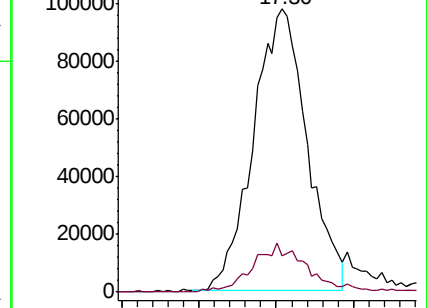
Reviewed By :Semsettin Yesilyurt 05/08/2021

Supervised By :Mahesh Dadoda 05/10/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.274 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

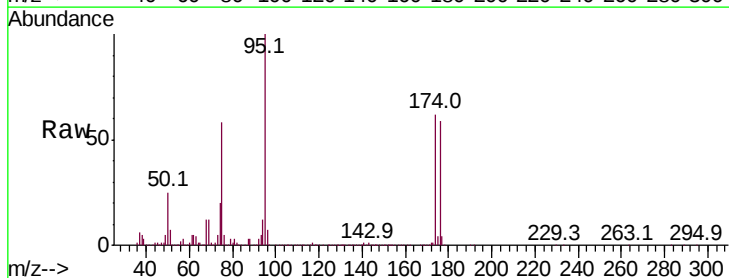
Tgt Ion: 95 Resp: 2405117

Ion Ratio Lower Upper

95 100

174 66.1 52.2 78.2

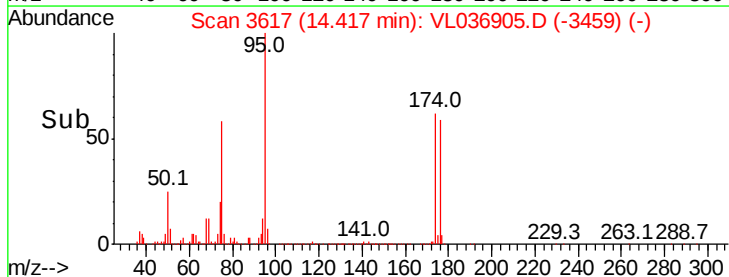
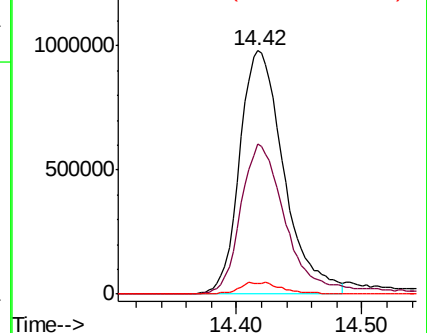
175 4.6 4.0 6.0

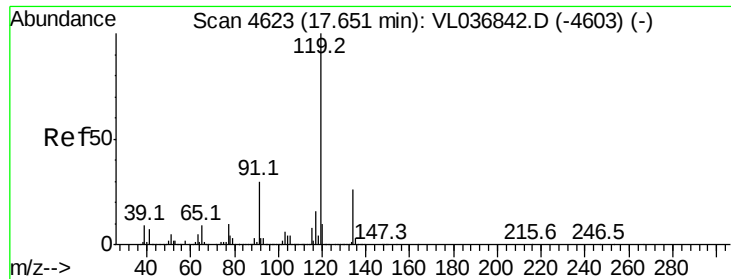


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



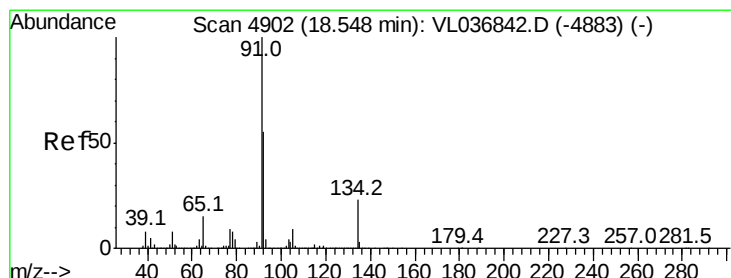
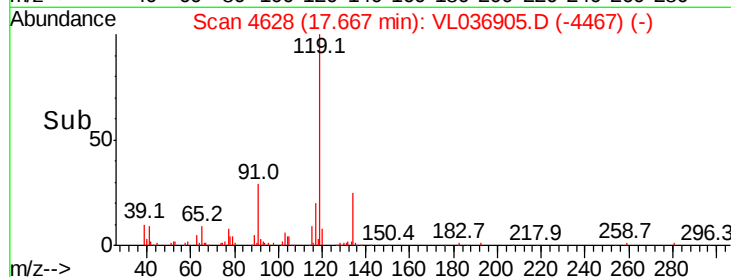
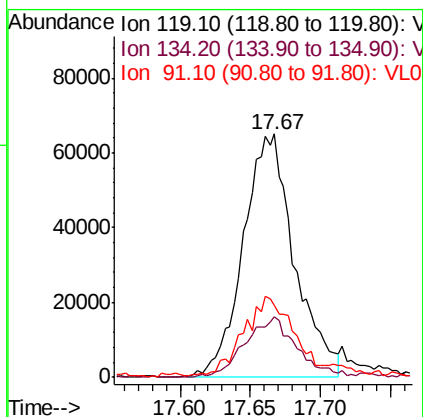
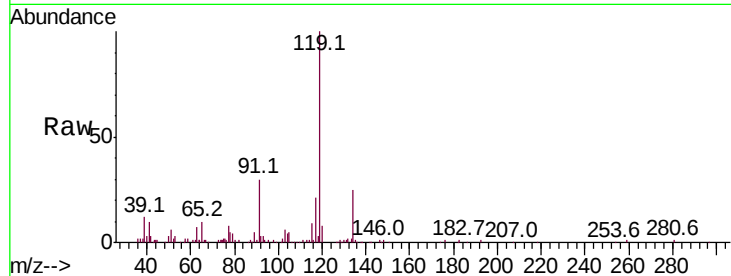


#69  
 p-Isopropyltoluene  
 Concen: 0.386 ppbv  
 RT: 17.67 min  
 Delta R.T. MSVOA\_L  
 Lab File: ClientSampleId :  
 Acq: 6 May 2021 10:04

Tot Ion: 1  
 Ion Ratio  
 119 100  
 134 25.  
 91 37.

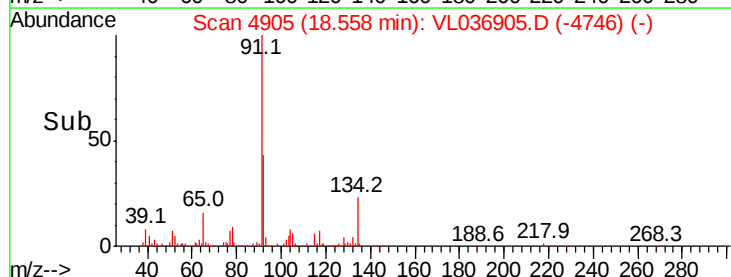
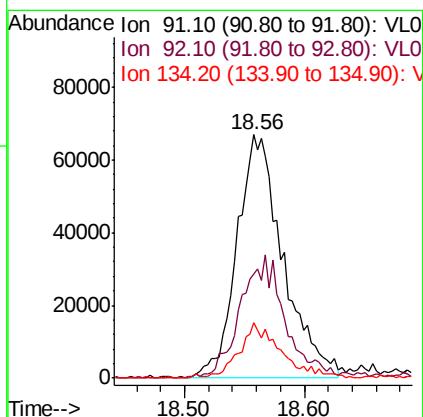
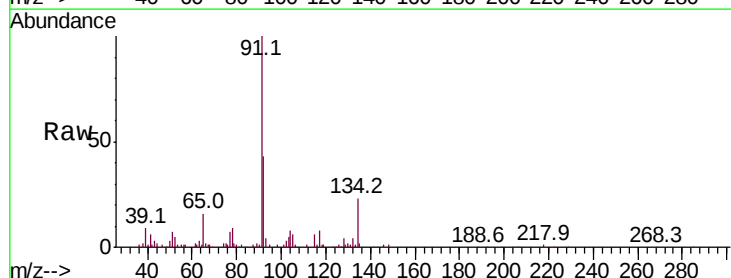
Manual Integrations  
 APPROVED

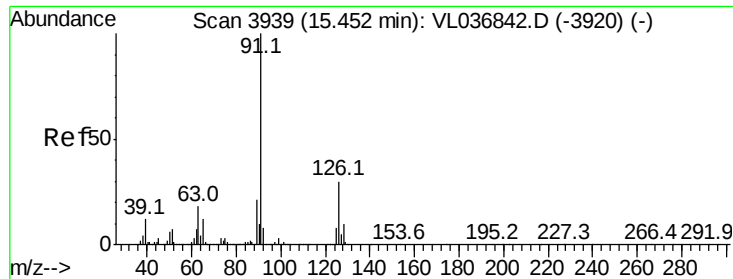
Reviewed By : Semsettin Yesilyurt 05/08/2021  
 Supervised By : Mahesh Dadoda 05/10/2021



#70  
 n-Butylbenzene  
 Concen: 0.416 ppbv m  
 RT: 18.56 min Scan# 4905  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion: 91 Resp: 179688  
 Ion Ratio Lower Upper  
 91 100  
 92 49.9 43.5 65.3  
 134 20.6 18.2 27.4



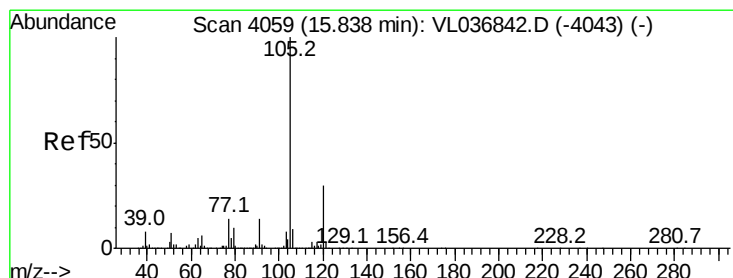
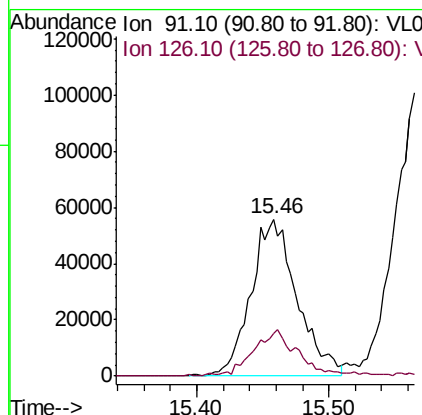
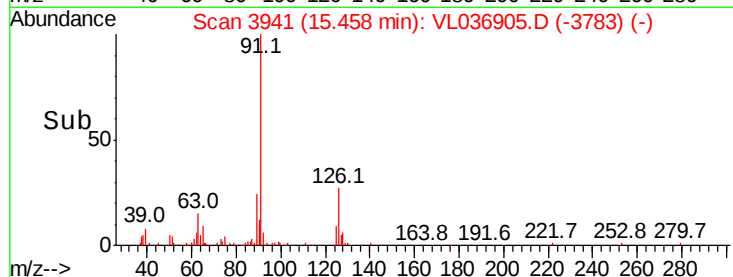
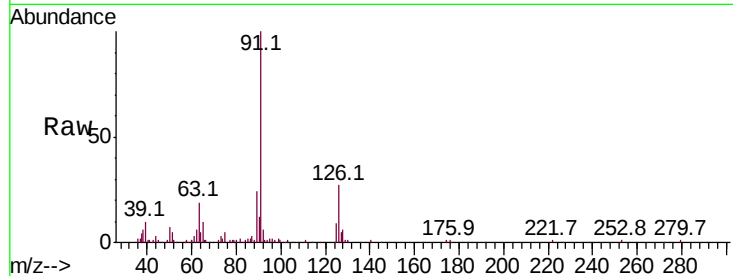


#71  
2-Chlorotoluene  
Concen: 0.422 ppbv m  
RT: 15.46  
Instrument: MSVOA\_1  
Delta R.T.  
Lab File: ClientSampled :  
Acq: 6 May 2021 10:04

Tot Ion:  
Ion Rati  
91 100  
126 29.

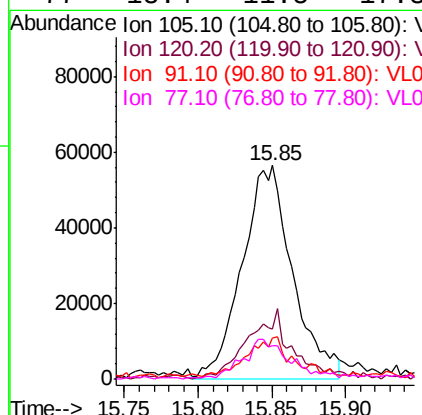
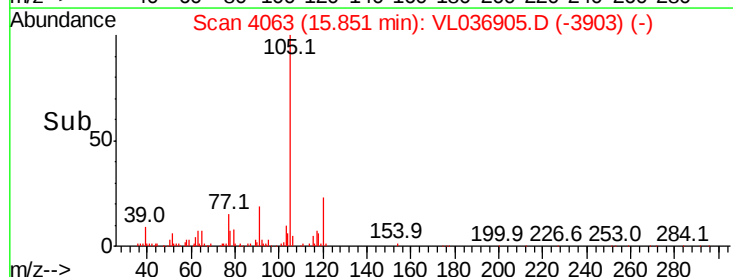
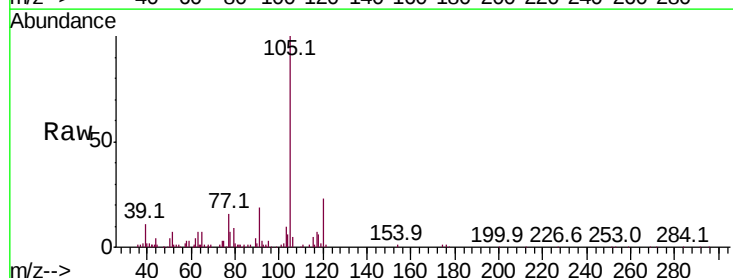
Manual Integrations  
APPROVED

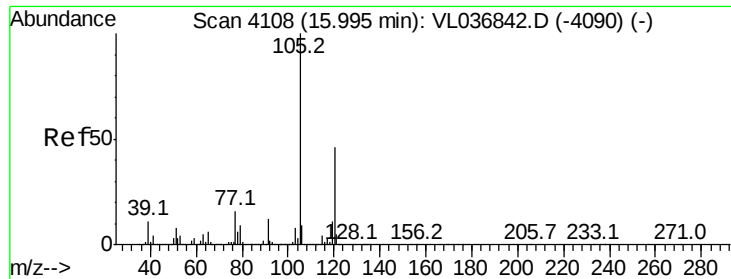
Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#72  
4-Ethyltoluene  
Concen: 0.393 ppbv m  
RT: 15.85 min Scan# 4063  
Delta R.T. 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion:105 Resp: 134679  
Ion Ratio Lower Upper  
105 100  
120 0.0 23.8 35.6#  
91 0.0 10.7 16.1#  
77 18.4 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.417 ppbv

RT: 16.00 min

Instrument: MSVOA\_1

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tot Ion: 1

Ion Ratio

105 100

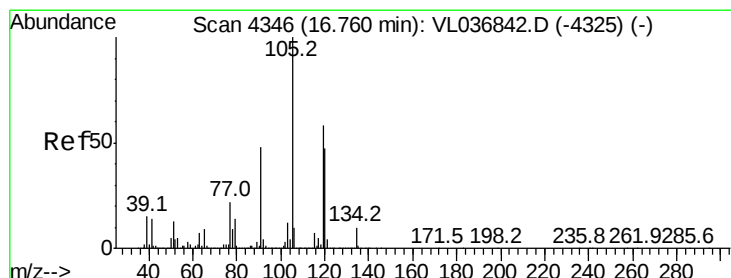
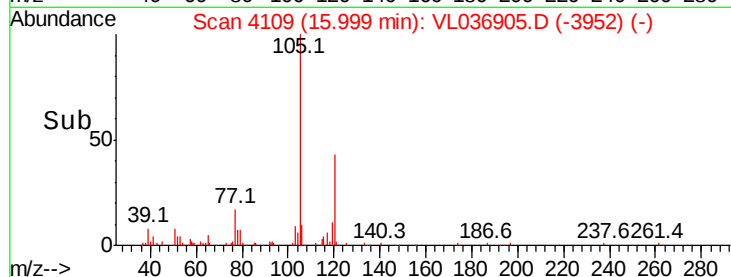
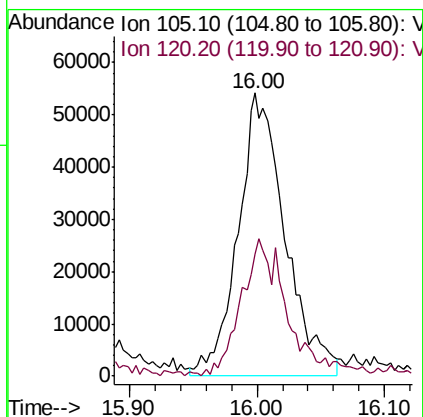
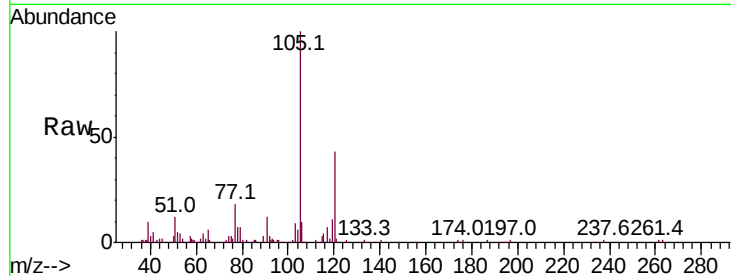
120 43.

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 05/08/2021

Supervised By : Mahesh Dadoda 05/10/2021



#74

1,2,4-Trimethylbenzene

Concen: 0.476 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

Tgt Ion: 105 Resp: 168372

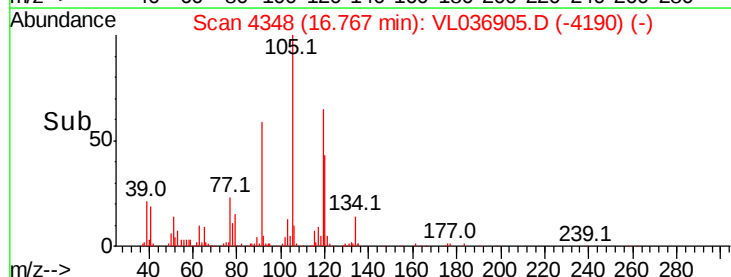
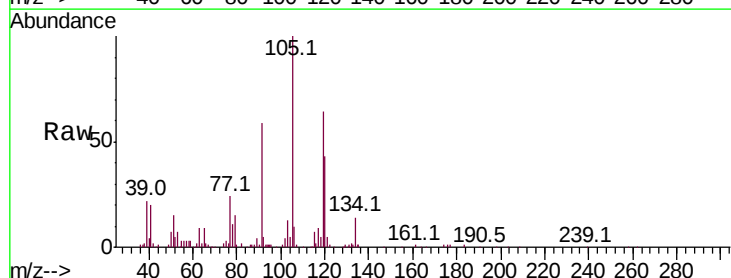
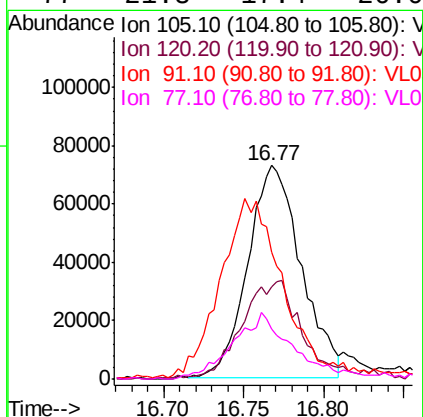
Ion Ratio Lower Upper

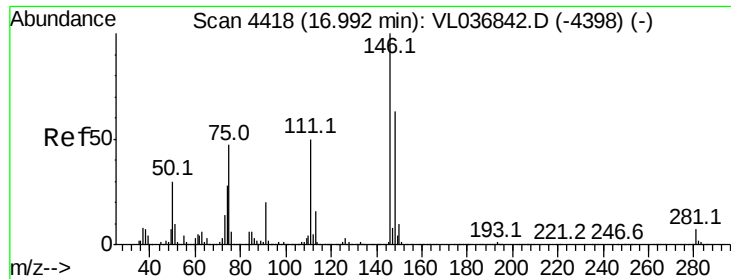
105 100

120 42.3 37.6 56.4

91 54.0 39.0 58.4

77 21.8 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 0.494 ppbv

RT: 17.00

Delta R.T. MSVOA\_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:04

Tot Ion:1

Ion Rati

146 100

111 56.

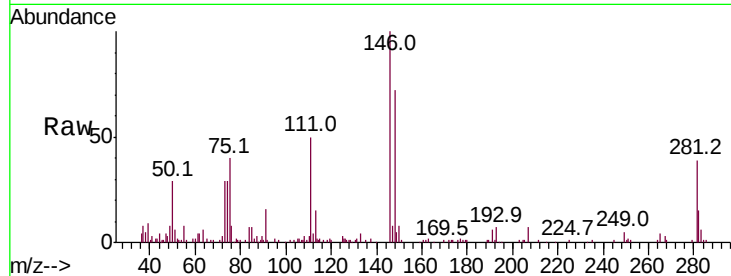
148 72.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021

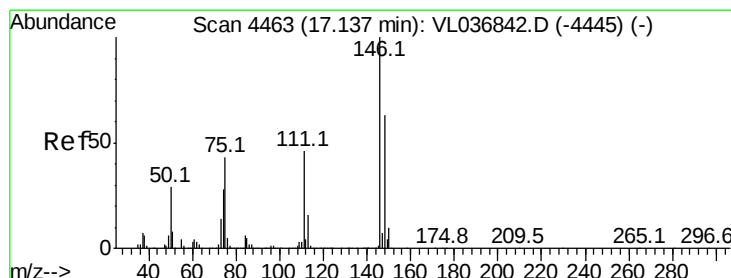
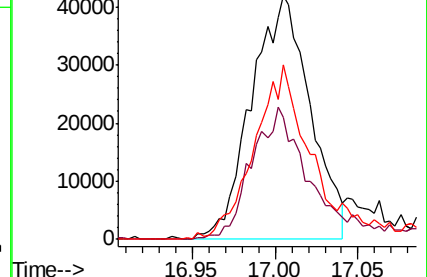
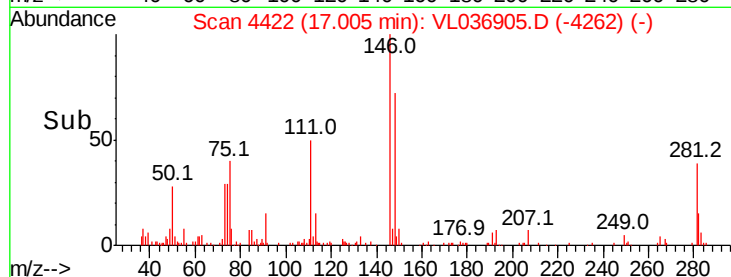
Supervised By :Mahesh Dadoda 05/10/2021



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: 0.434 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.01 min

Lab File: VL036905.D

Acq: 6 May 2021 16:04

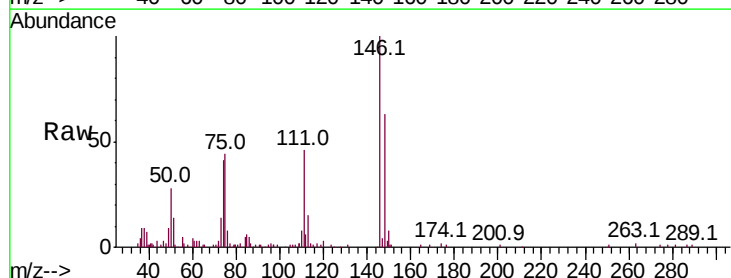
Tgt Ion:146 Resp: 88760

Ion Ratio Lower Upper

146 100

111 52.9 24.3 72.8

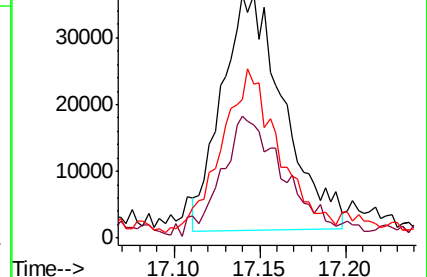
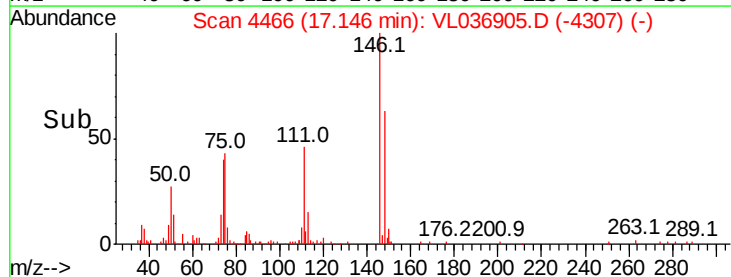
148 76.0 32.4 97.0

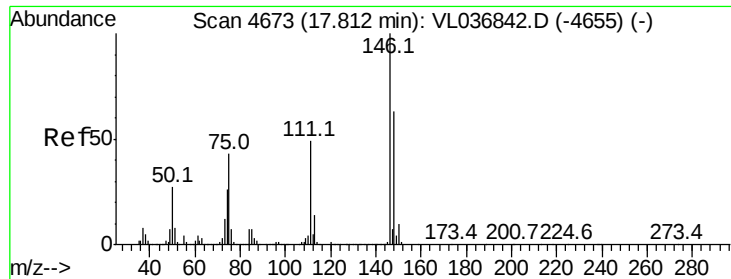


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



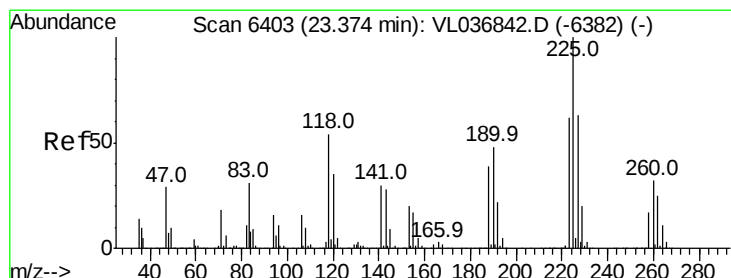
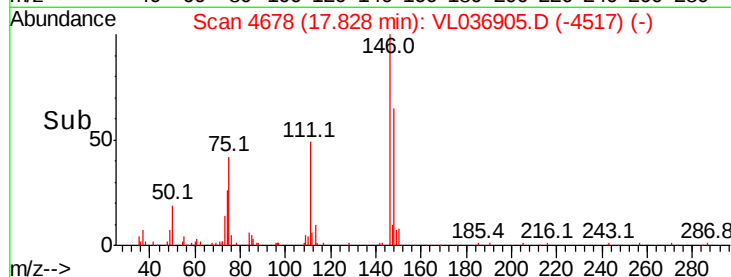
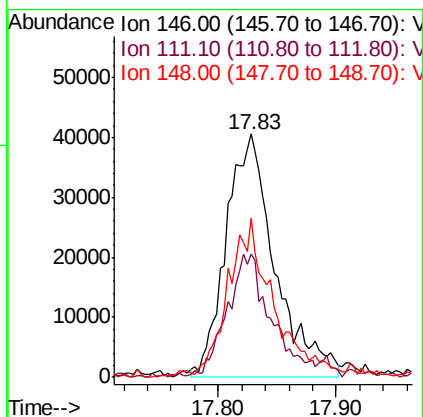
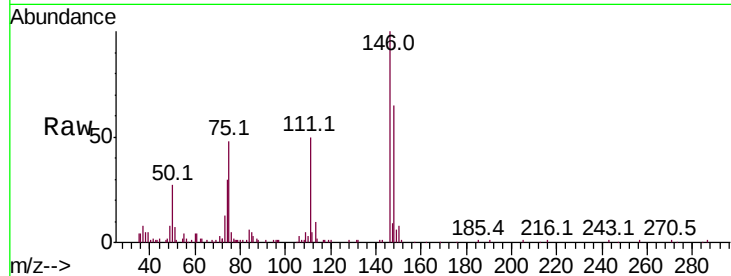


#77  
 1,2-Dichlorobenzene  
 Concen: 0.572 ppbv m  
 RT: 17.83  
 Instrument: MSVOA\_1  
 Delta R.T.:  
 Lab File: ClientSampleId :  
 Acq: 6 May 2021 10:04

Tot Ion:1  
 Ion Rati  
 146 100  
 111 49.  
 148 61.

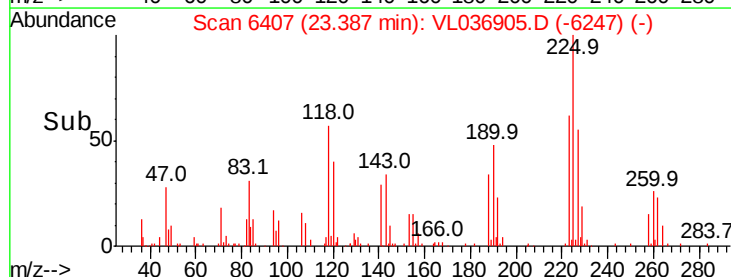
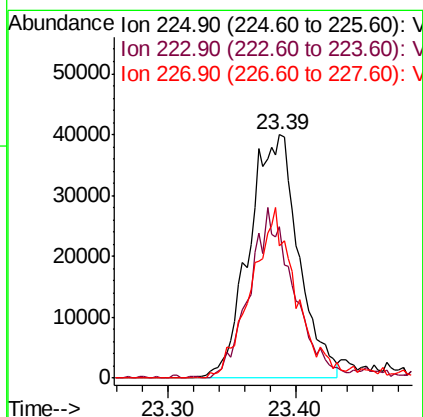
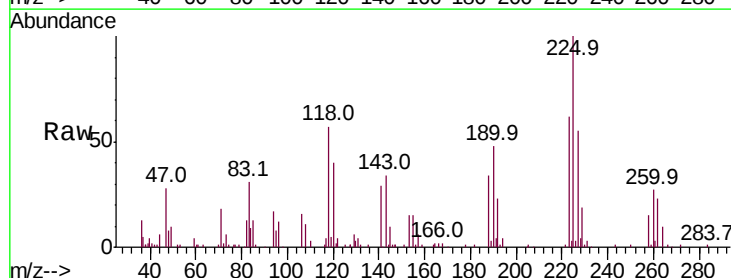
Manual Integrations  
 APPROVED

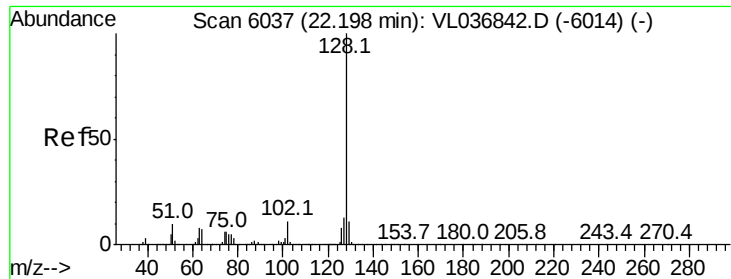
Reviewed By :Semsettin Yesilyurt 05/08/2021  
 Supervised By :Mahesh Dadoda 05/10/2021



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 0.619 ppbv m  
 RT: 23.39 min Scan# 6407  
 Delta R.T. 0.01 min  
 Lab File: VL036905.D  
 Acq: 6 May 2021 16:04

Tgt Ion:225 Resp: 107297  
 Ion Ratio Lower Upper  
 225 100  
 223 64.7 51.2 76.8  
 227 65.4 51.8 77.6



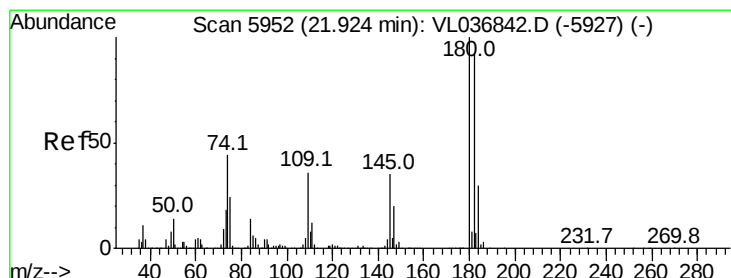
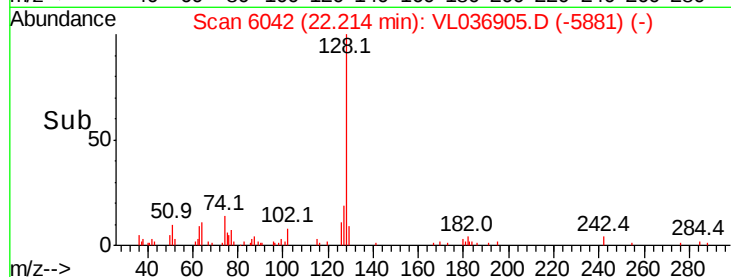
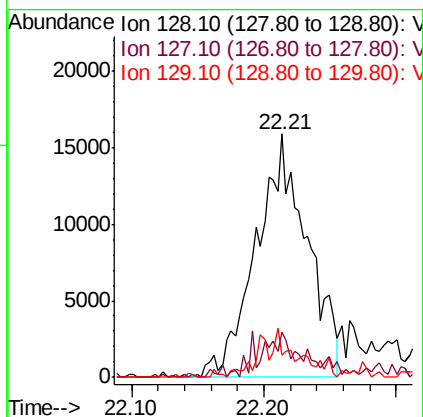
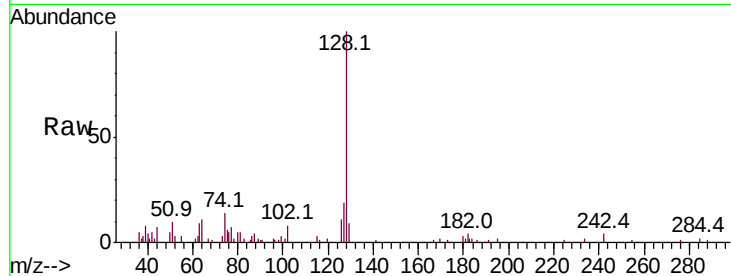


#79  
Naphthalene  
Concen: 0.216 ppbv m  
RT: 22.21  
Instrument: MSVOA\_1  
Delta R.T.:  
ClientSampleId:  
Lab File: LOQ-AIR-02-OT2-2021  
Acq: 6 May 2021 16:04

Tot Ion:1  
Ion Rati  
128 100  
127 18.  
129 8.

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021  
Supervised By :Mahesh Dadoda 05/10/2021



#81  
1,2,4-Trichlorobenzene  
Concen: 0.352 ppbv m  
RT: 21.93 min Scan# 5955  
Delta R.T. 0.01 min  
Lab File: VL036905.D  
Acq: 6 May 2021 16:04

Tgt Ion:180 Resp: 45076  
Ion Ratio Lower Upper  
180 100  
182 0.0 80.9 121.3#  
184 30.2 25.3 37.9

