

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038123.D
 Acq On : 24 Nov 2021 6:39
 Operator : SY/AP
 Sample : M4805-08 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SG-EDIBLE-ARRANGEMENTS

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 26 06:06:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	757759	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2431630	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2111274	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1643211	10.79	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	24158	0.193	ppbv	94
4) Chloromethane	3.13	50	9093m	0.168	ppbv	
9) Propene	3.01	41	48724m	0.831	ppbv	
10) Heptane	8.10	43	29727	0.205	ppbv	90
11) Trichlorofluoromethane	3.94	101	151170	1.270	ppbv	98
13) Ethanol	3.59	45	1620086	286.056	ppbv	90
15) Acetone	3.83	43	1830715	27.865	ppbv	97
17) tert-Butyl alcohol	4.29	59	811872	10.187	ppbv	100
19) Isopropyl Alcohol	3.96	45	1081886	22.791	ppbv #	99
20) Methylene Chloride	4.33	84	437518	11.889	ppbv	98
25) Ethyl Acetate	5.65	43	3895923	17.842	ppbv #	91
28) Methyl tert-Butyl Ether	5.02	73	54562	0.610	ppbv	100
29) Chloroform	5.74	83	65682	0.423	ppbv	96
34) 2-Butanone	5.23	43	38198m	0.390	ppbv	
35) Carbon Tetrachloride	7.00	117	6474m	0.038	ppbv	
36) Benzene	6.87	78	43168m	0.178	ppbv	
38) Trichloroethene	7.81	130	4374m	0.048	ppbv	
52) Tetrachloroethene	11.20	164	4468555	49.789	ppbv	96
53) Toluene	9.78	91	84795m	0.304	ppbv	
58) Ethyl Benzene	12.68	91	62562m	0.179	ppbv	
59) m/p-Xylene	12.94	91	311303	1.060	ppbv	98
60) o-Xylene	13.66	91	410243	1.505	ppbv	96
61) Styrene	13.50	104	52000	0.356	ppbv	92
62) Isopropylbenzene	14.64	105	226811	0.586	ppbv	96

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

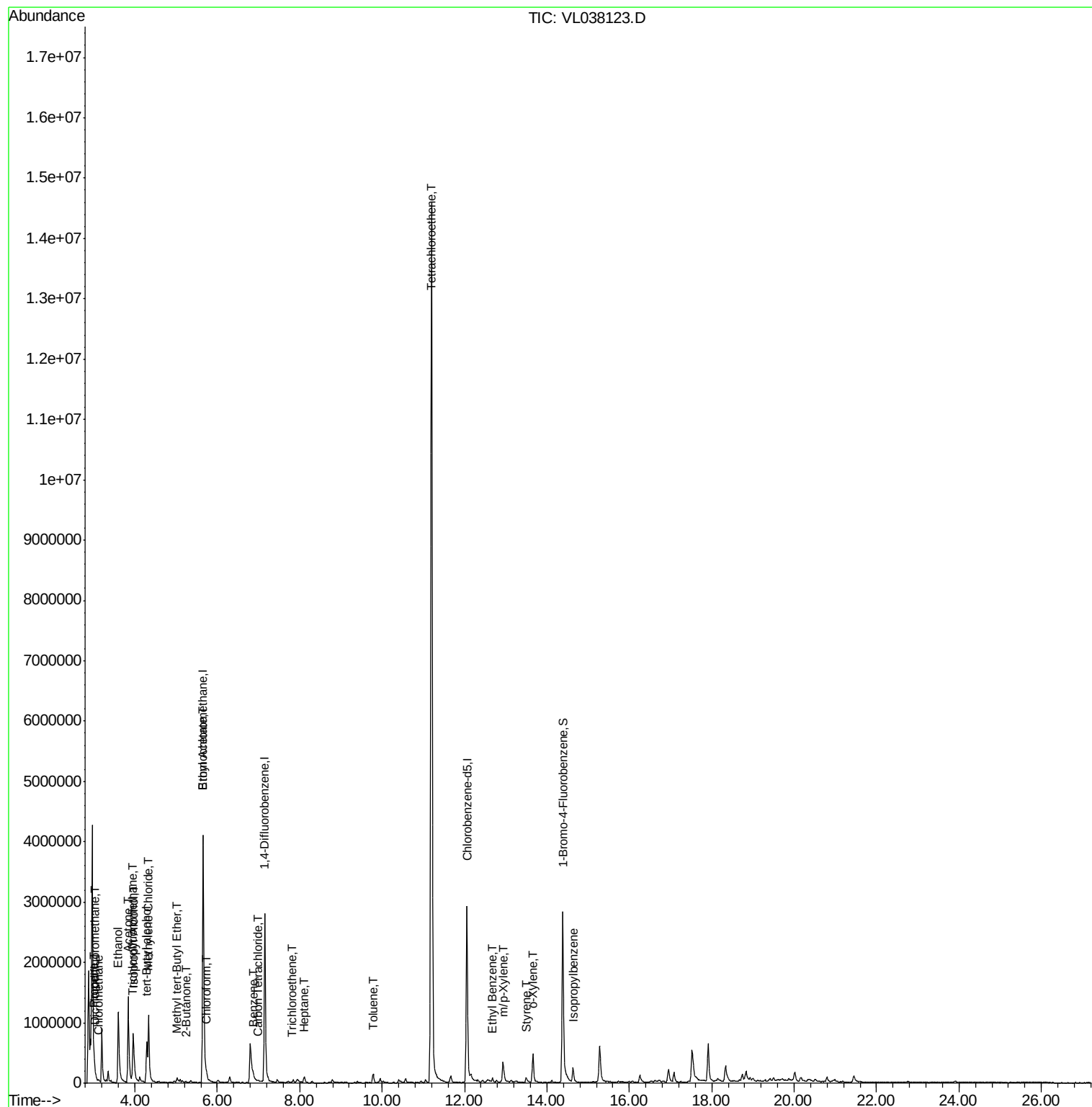
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\
Data File : VL038123.D
Acq On : 24 Nov 2021 6:39
Operator : SY/AP
Sample : M4805-08 2X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

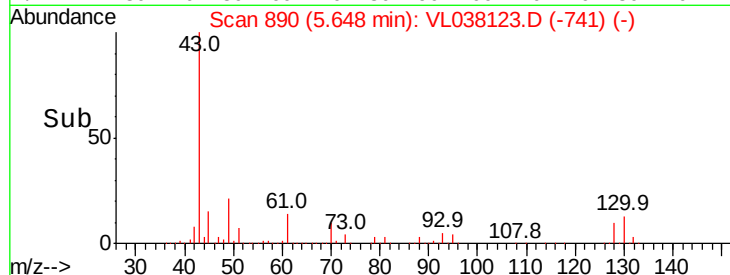
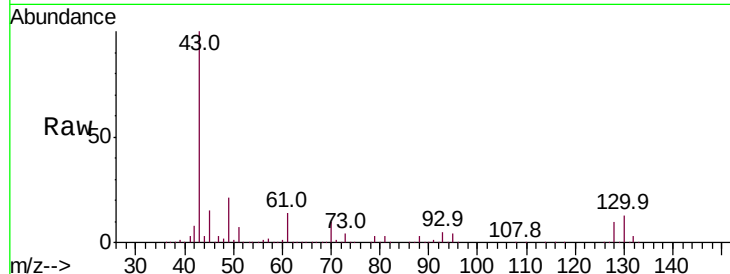
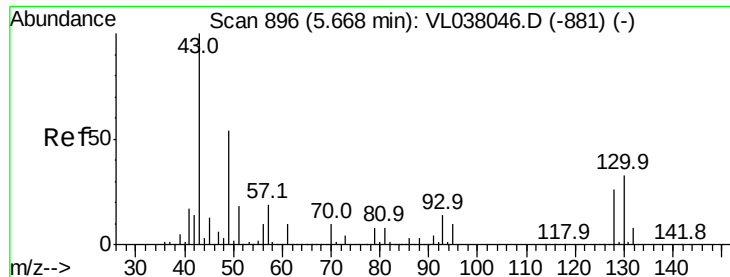
Instrument :
MSVOA_L
ClientSampleId :
SG-EDIBLE-ARRANGEMENTS

Quant Time: Nov 26 06:06:15 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



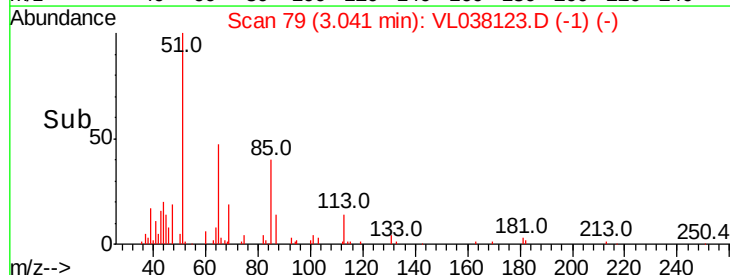
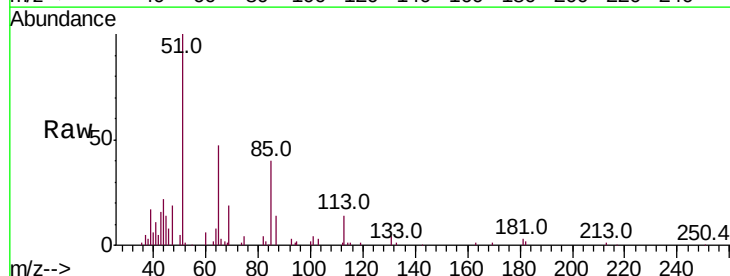
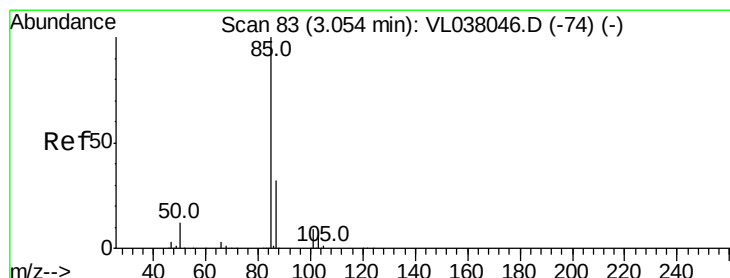
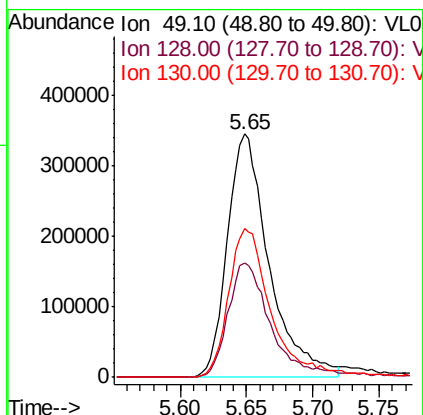


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SG-EDIBLE-ARRANGEMENTS
Acq: 24 Nov 2021 0:39

Tot Ion:
Ion Ratio
49 100
128 49.
130 64.

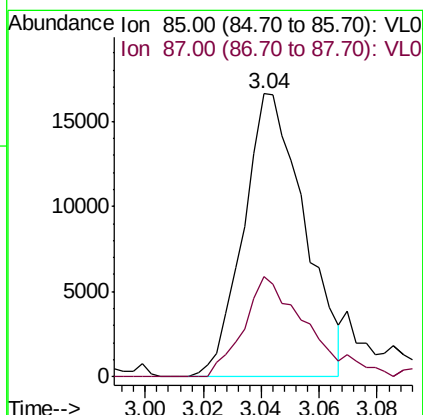
Manual Integrations
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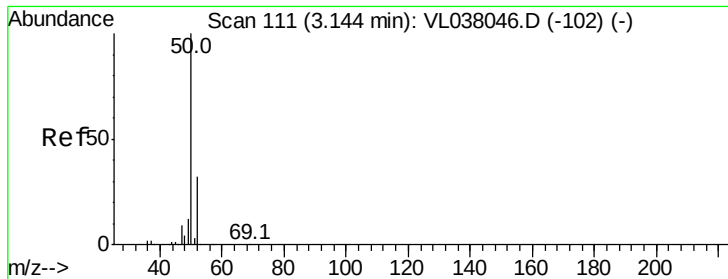
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#2
Dichlorodifluoromethane
Concen: 0.193 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL038123.D
Acq: 24 Nov 2021 6:39

Tgt Ion: 85 Resp: 24158
Ion Ratio Lower Upper
85 100
87 35.5 25.8 38.6





#4

Chloromethane

Concen: 0.168 ppbv m

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 0:39 SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

50 100

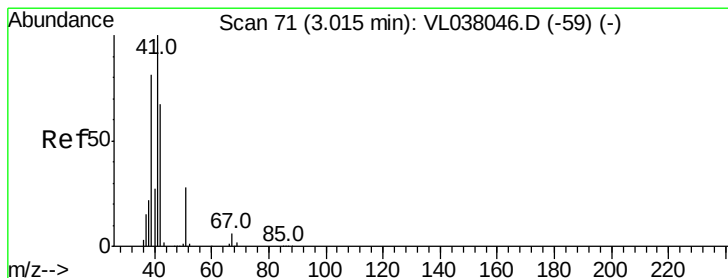
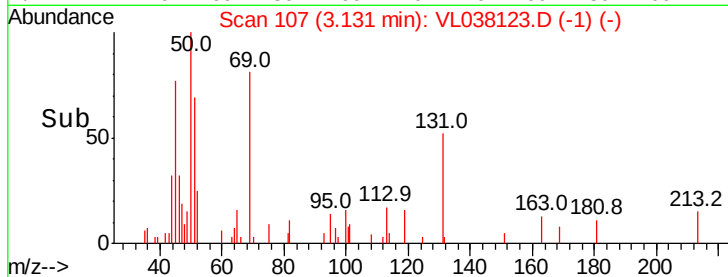
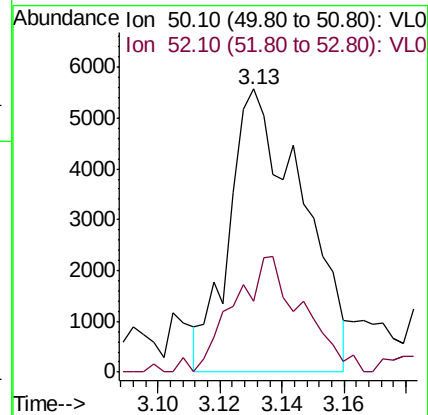
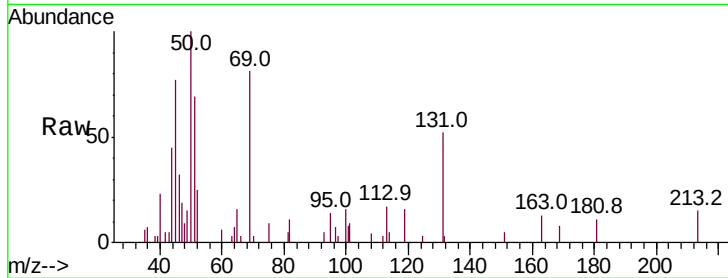
52 25.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#9

Propene

Concen: 0.831 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL038123.D

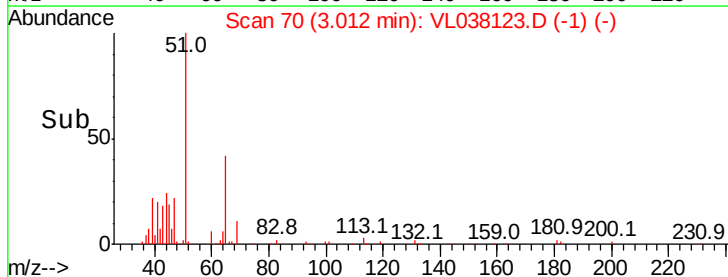
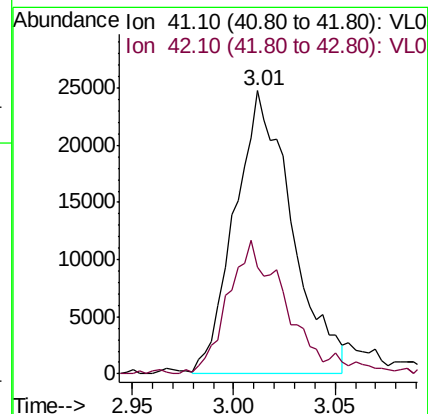
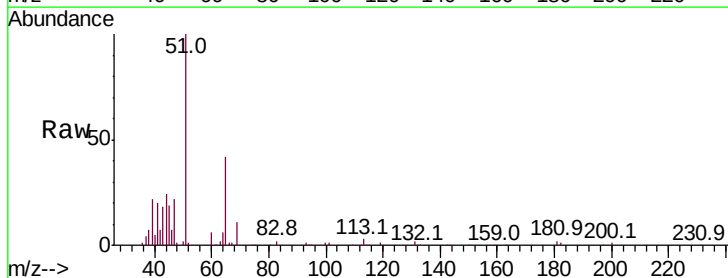
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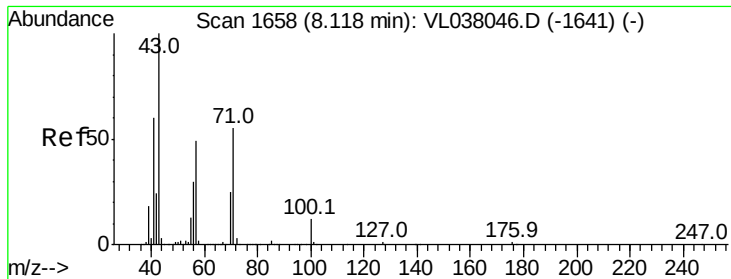
Tgt Ion: 41 Resp: 48724

Ion Ratio Lower Upper

41 100

42 439.2 53.8 80.8#





#10

Heptane

Concen: 0.205 ppbv

RT: 8.10

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Nov 2021 0:39

Instrument :
ClientSampleId :
SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

43 100

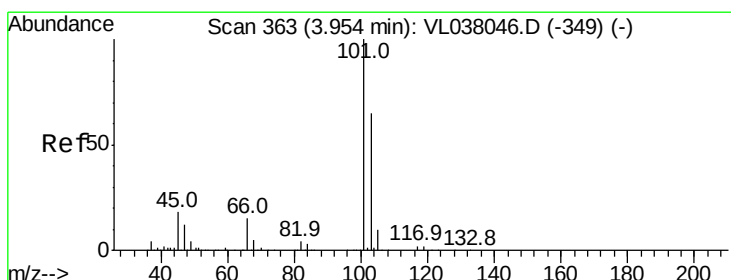
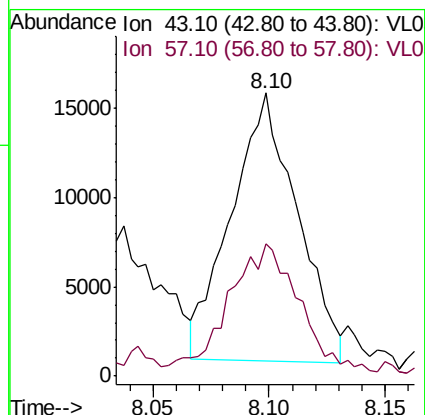
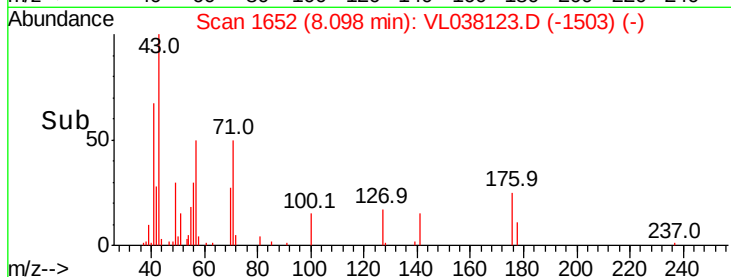
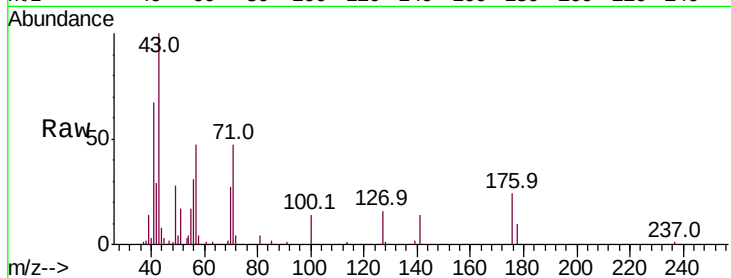
57 57.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#11

Trichlorofluoromethane

Concen: 1.270 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

Lab File: VL038123.D

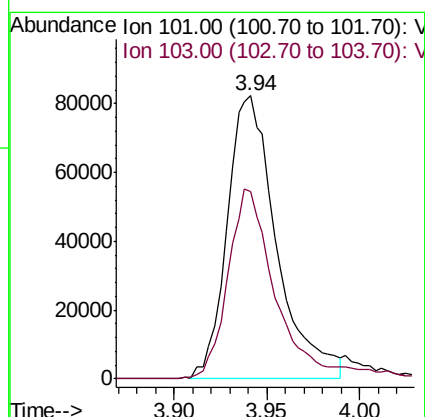
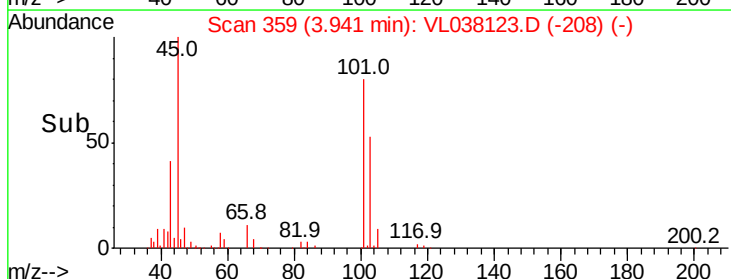
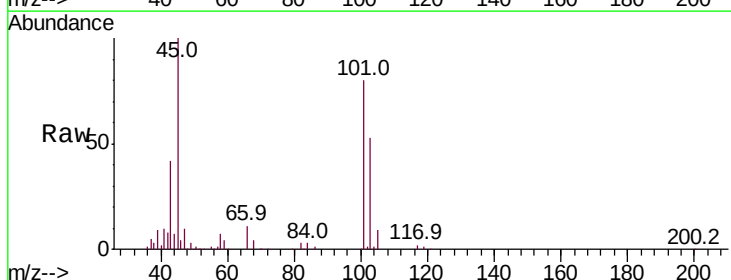
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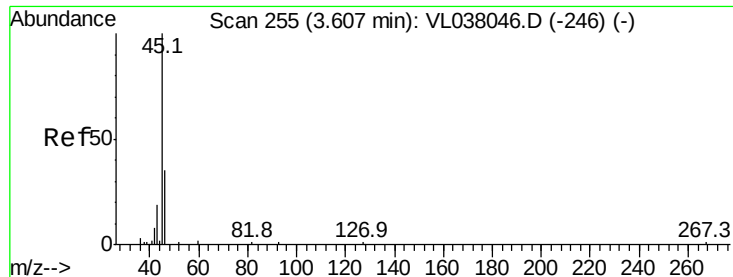
Tgt Ion:101 Resp: 151170

Ion Ratio Lower Upper

101 100

103 66.1 51.8 77.6





#13

Ethanol

Concen: 286.056 ppbv

RT: 3.59

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 0:39 SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

45 100

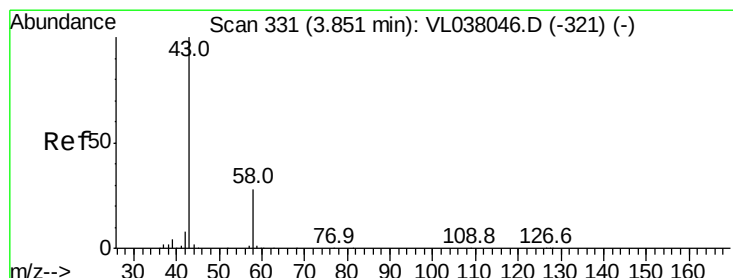
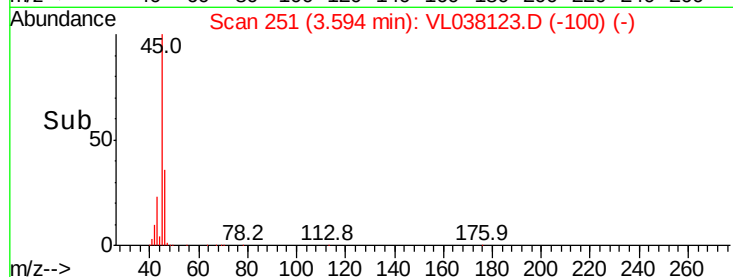
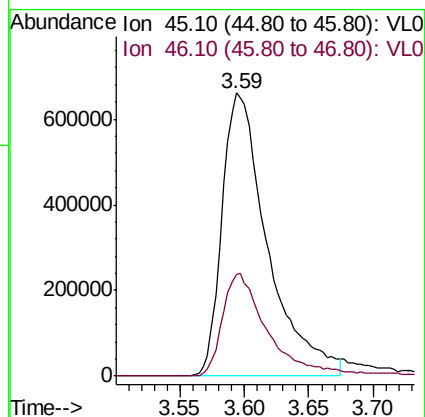
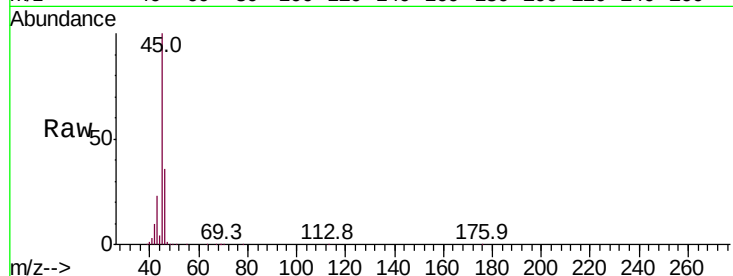
46 37.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#15

Acetone

Concen: 27.865 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL038123.D

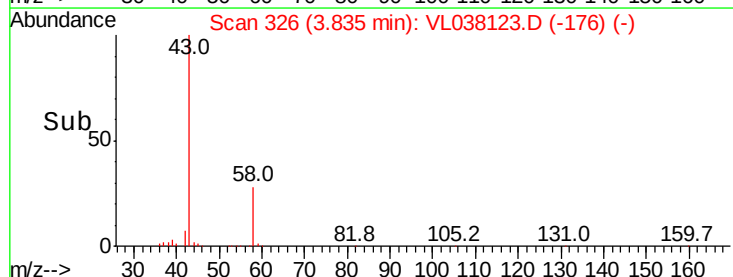
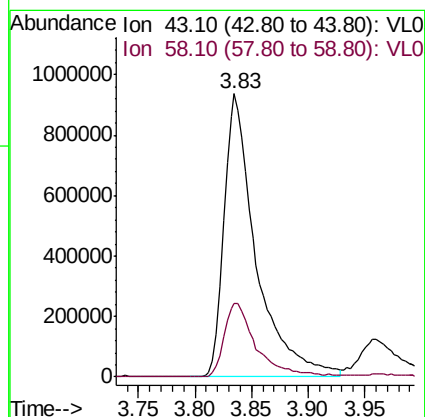
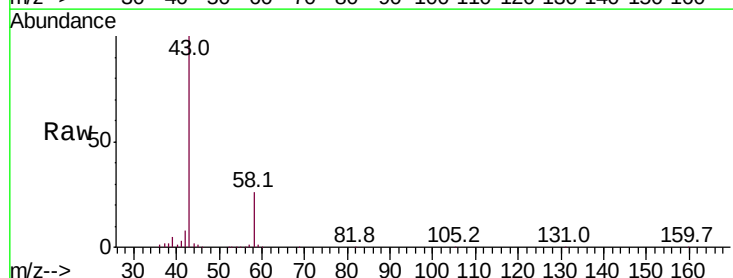
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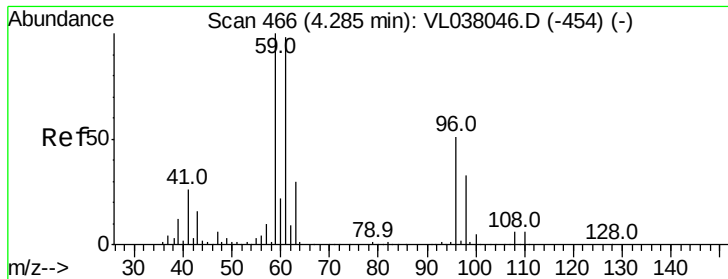
Tgt Ion: 43 Resp: 1830715

Ion Ratio Lower Upper

43 100

58 26.6 22.4 33.6





#17

tert-Butyl alcohol

Concen: 10.187 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Nov 2021 0:39 ClientSampleId: SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

59 100

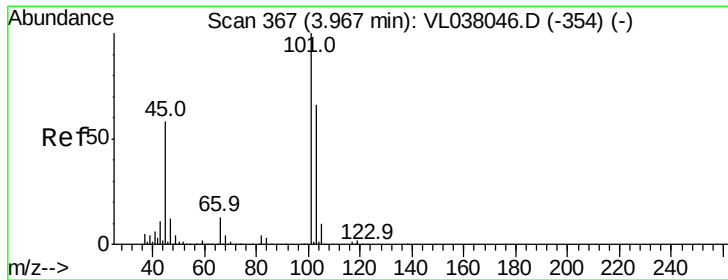
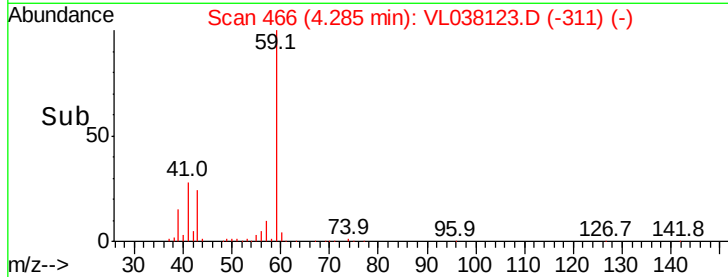
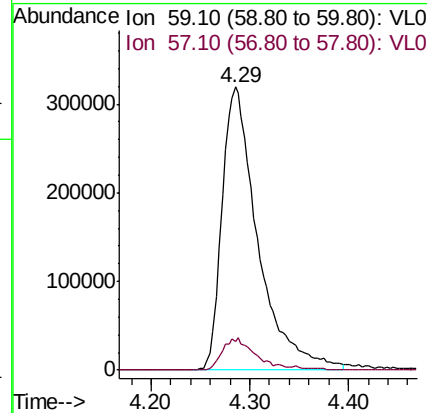
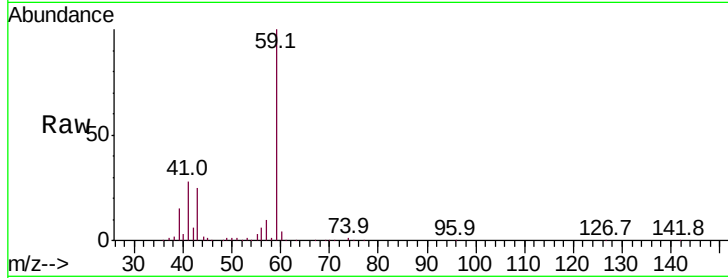
57 10.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#19

Isopropyl Alcohol

Concen: 22.791 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL038123.D

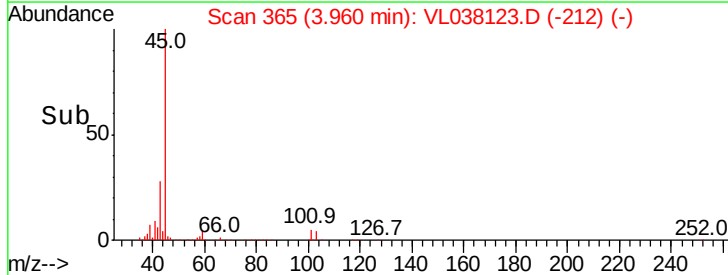
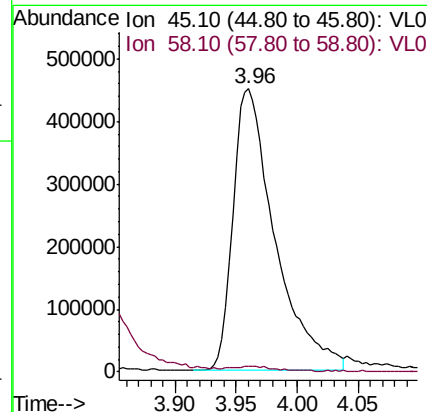
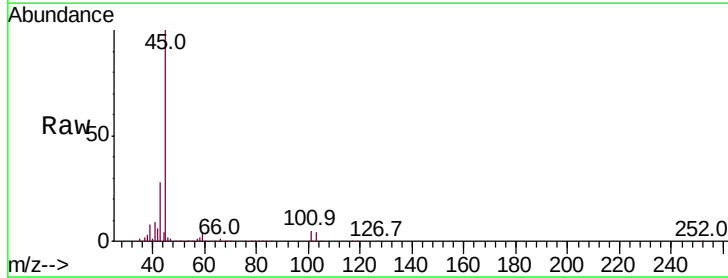
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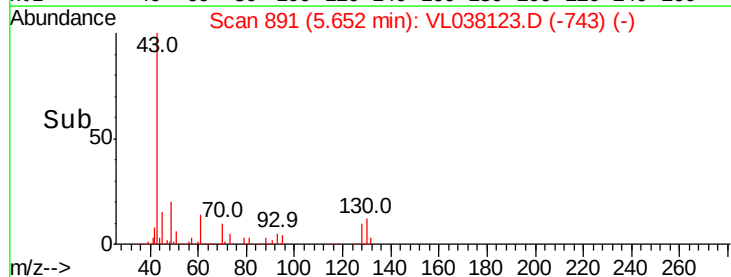
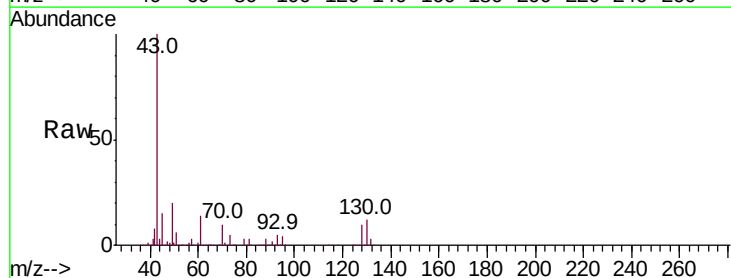
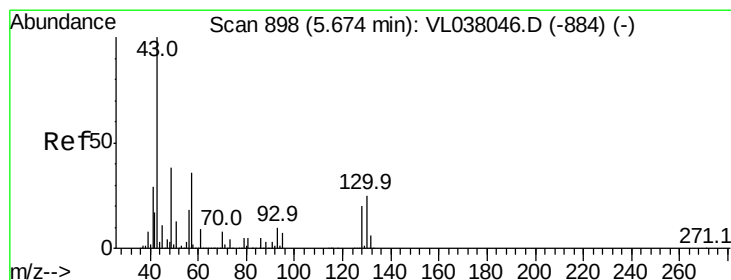
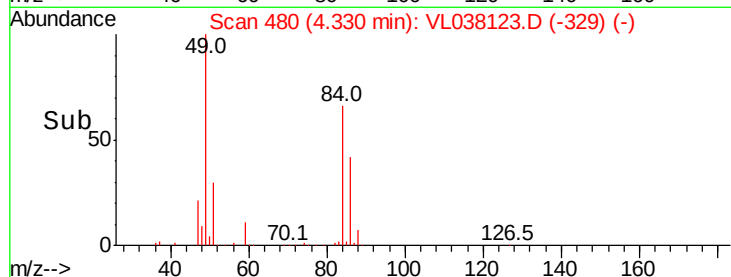
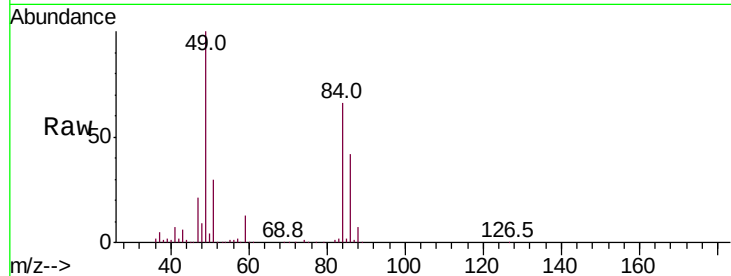
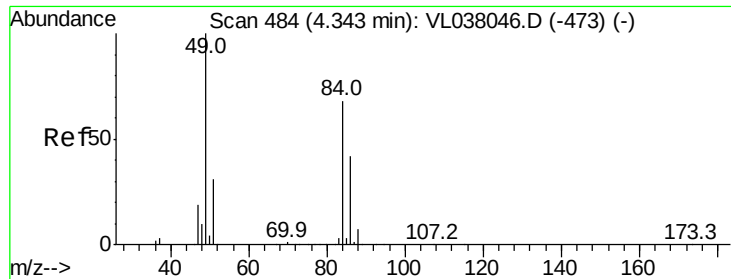
Tgt Ion: 45 Resp: 1081886

Ion Ratio Lower Upper

45 100

58 2.1 1.4 2.0#



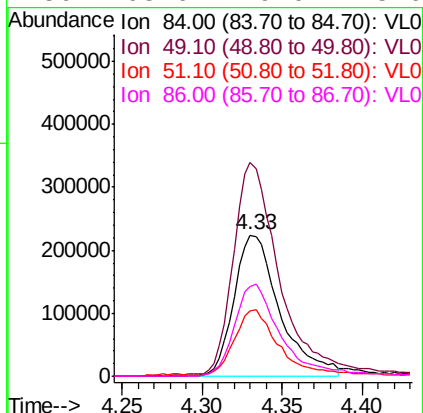


#20
Methylene Chloride
Concen: 11.889 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Nov 2021 0:39 SG-EDIBLE-ARRANGEMENTS

Tot Ion:
Ion Ratio
84 100
49 150.
51 44.
86 63.6 49.0 73.6

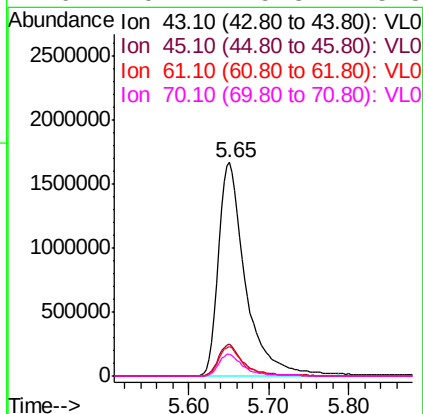
Manual Integrations
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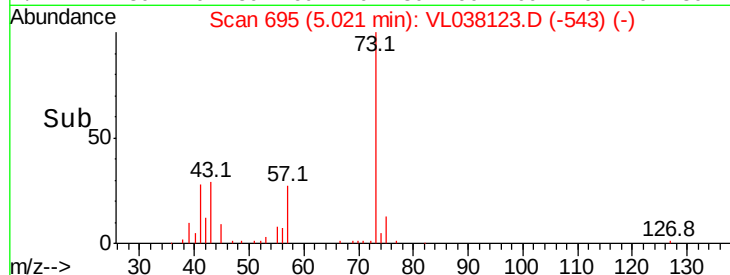
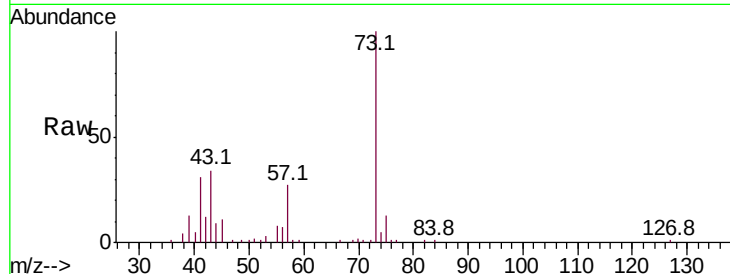
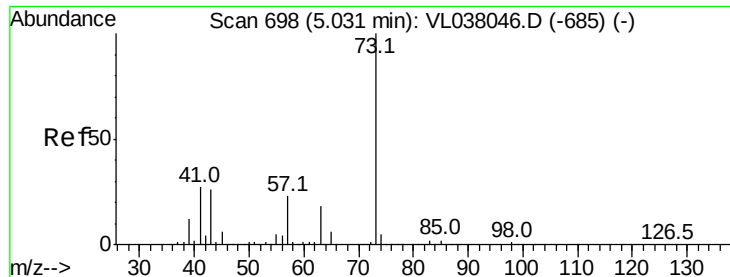
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#25
Ethyl Acetate
Concen: 17.842 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL038123.D
Acq: 24 Nov 2021 6:39

Tgt Ion: 43 Resp: 3895923
Ion Ratio Lower Upper
43 100
45 14.1 7.9 11.9#
61 13.1 7.8 11.6#
70 9.7 5.8 8.8#



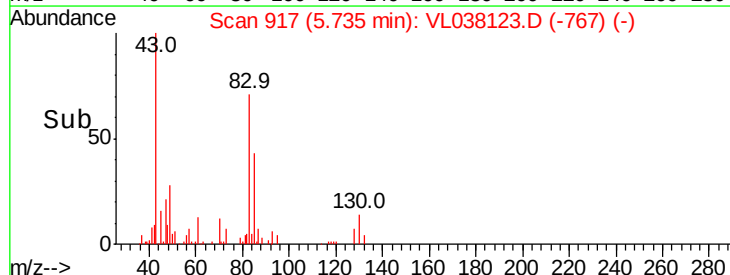
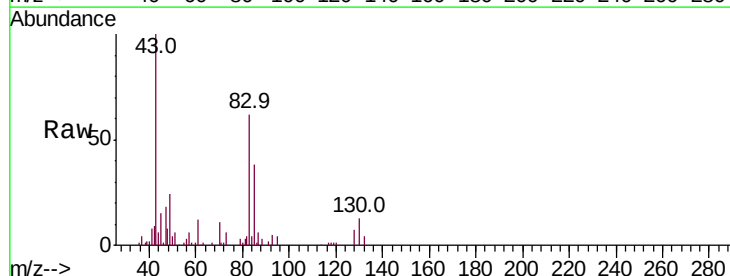
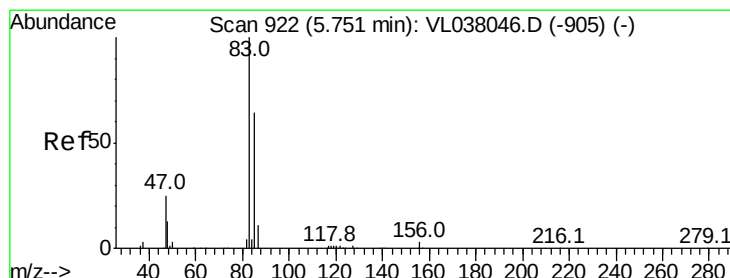
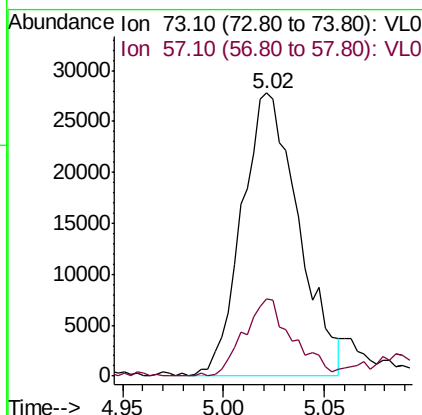


#28
Methyl tert-Butyl Ether
Concen: 0.610 ppbv
RT: 5.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : SG-EDIBLE-ARRANGEMENTS
Acq: 24 Nov 2021 0:39

Tot Ion:
Ion Ratio
73 100
57 23.

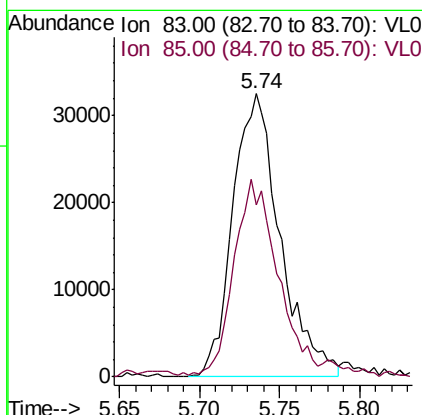
Manual Integrations
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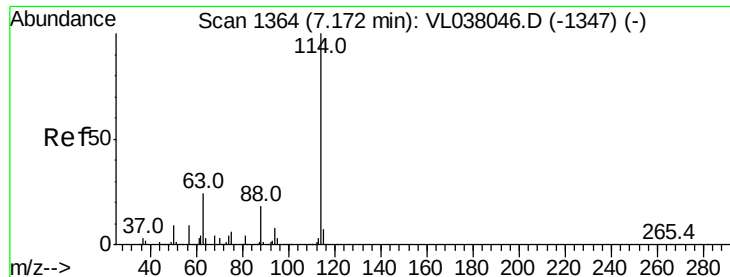
Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



#29
Chloroform
Concen: 0.423 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL038123.D
Acq: 24 Nov 2021 6:39

Tgt Ion: 83 Resp: 65682
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

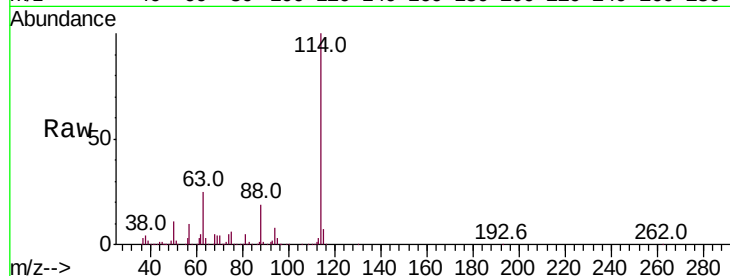
Lab File: SG-EDIBLE-ARRANGEMENTS

Acq: 24 Nov 2021 0:39

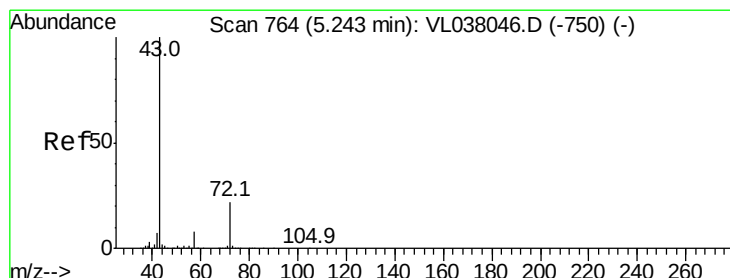
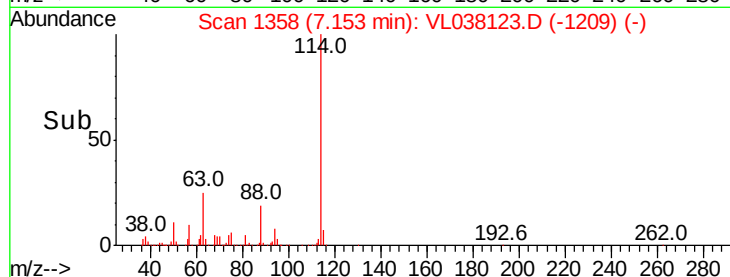
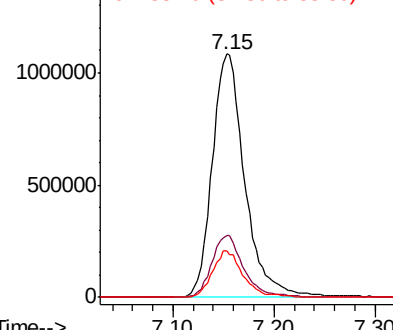
Tot Ion:1
Ion Rati
114 100
63 25.
88 18.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021
Supervised By :Mahesh Dadoda 11/29/2021



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



#34

2-Butanone

Concen: 0.390 ppbv m

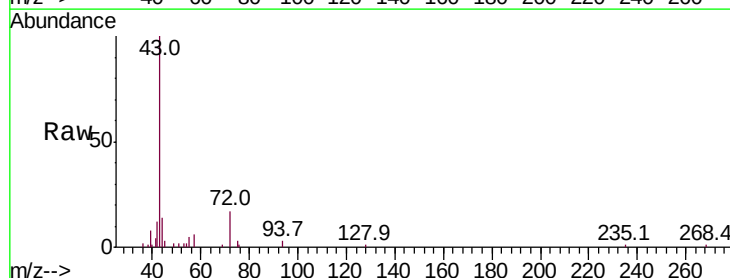
RT: 5.23 min Scan# 760

Delta R.T. -0.01 min

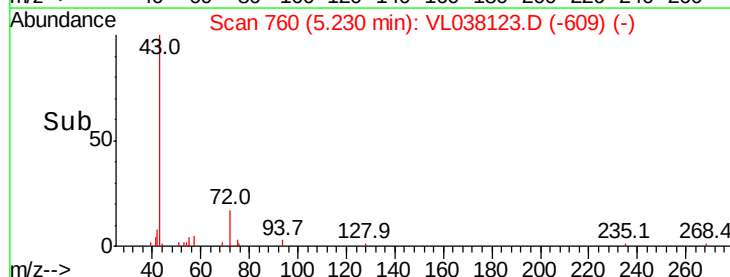
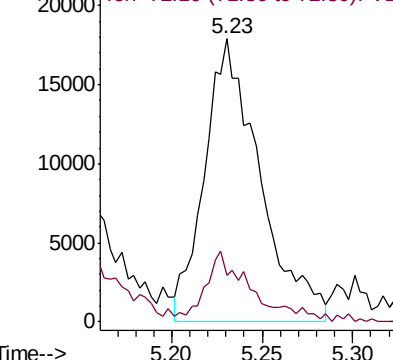
Lab File: VL038123.D

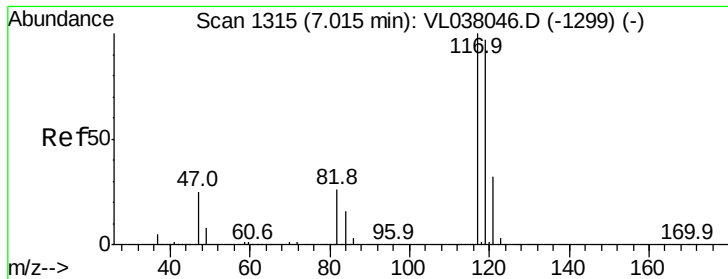
Acq: 24 Nov 2021 6:39

Tgt Ion: 43 Resp: 38198
Ion Ratio Lower Upper
43 100
72 2.1 18.8 28.2#



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





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 0:39 SG-EDIBLE-ARRANGEMENTS

Tot Ion:1

Ion Rati

117 100

119 68.

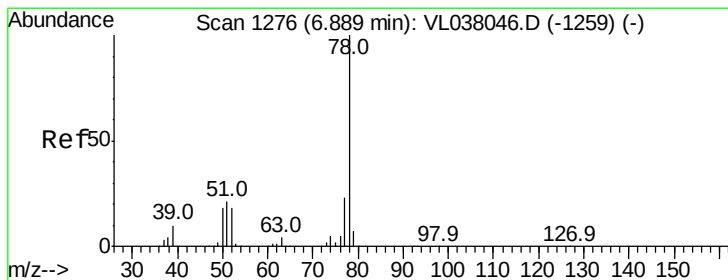
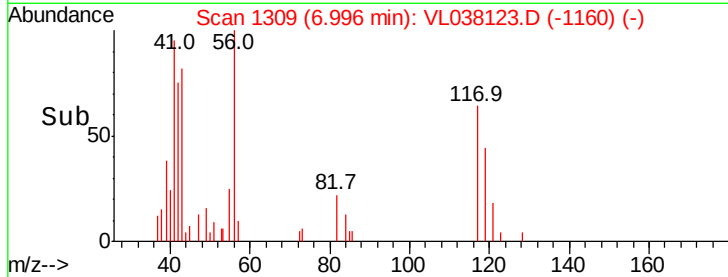
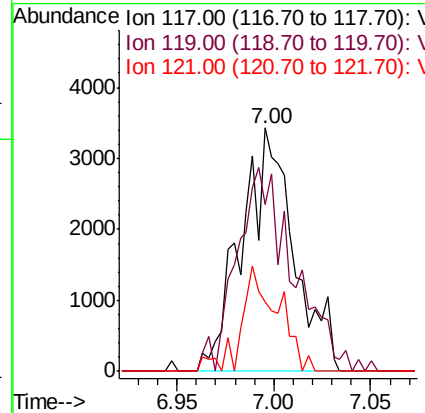
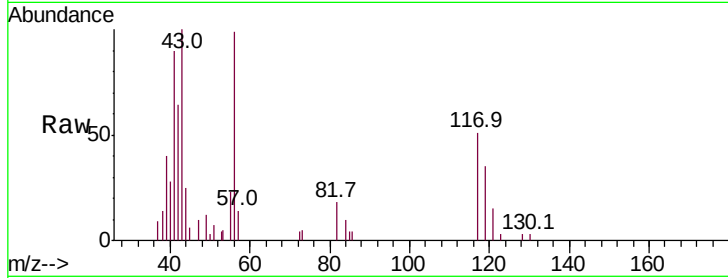
121 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#36

Benzene

Concen: 0.178 ppbv m

RT: 6.87 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VL038123.D

Acq: 24 Nov 2021 6:39

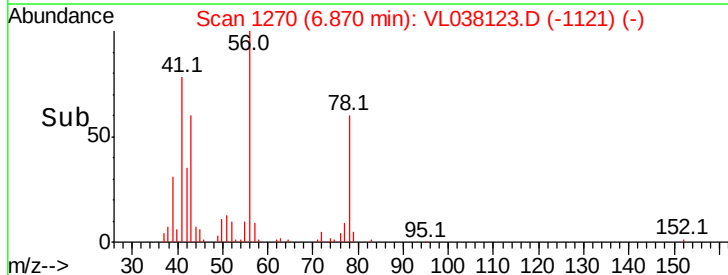
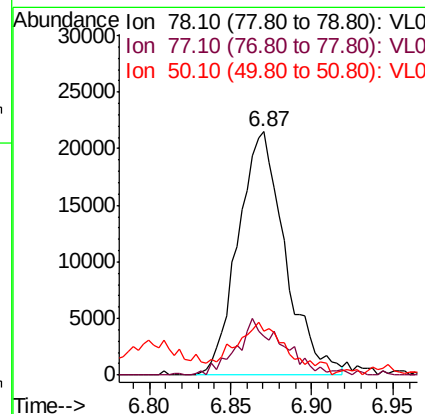
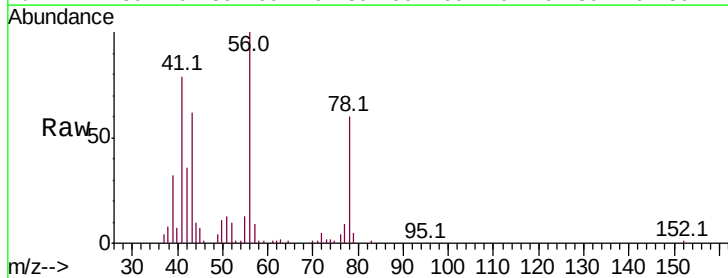
Tgt Ion: 78 Resp: 43168

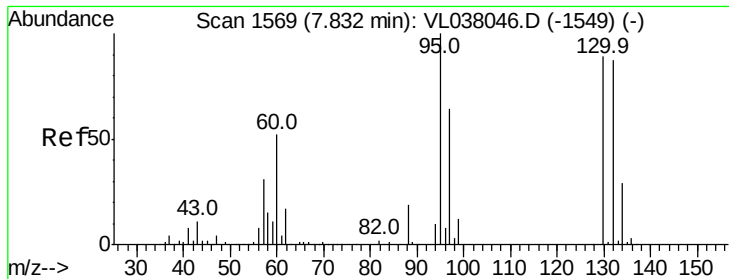
Ion Ratio Lower Upper

78 100

77 15.8 18.2 27.4#

50 18.1 14.7 22.1





#38

Trichloroethene

Concen: 0.048 ppbv m

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Nov 2021 0:39 ClientSampleId: SG-EDIBLE-ARRANGEMENTS

Tot Ion:1

Ion Rati

130 100

95 91.

132 63.

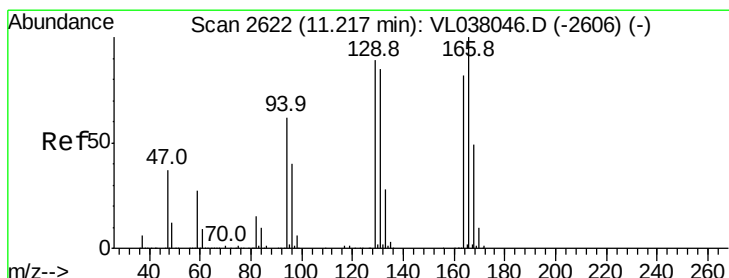
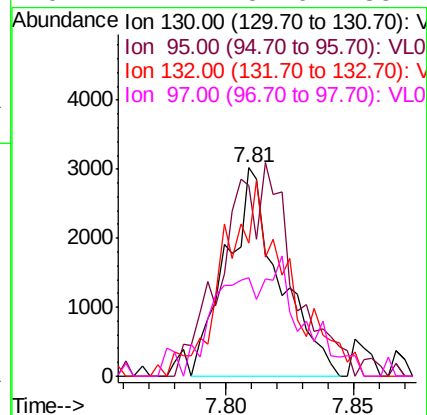
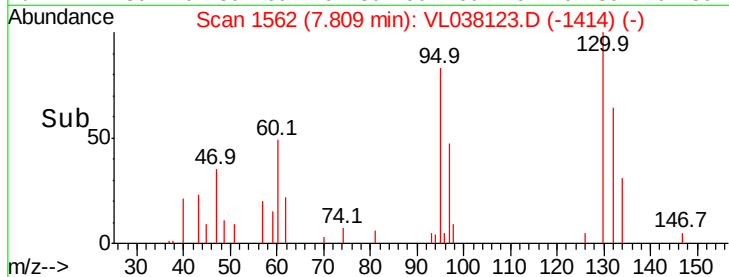
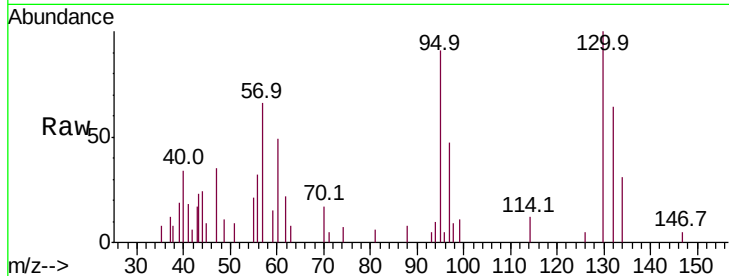
97 47.2 57.0 85.4#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#52

Tetrachloroethene

Concen: 49.789 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL038123.D

Acq: 24 Nov 2021 6:39

Tgt Ion:164 Resp: 4468555

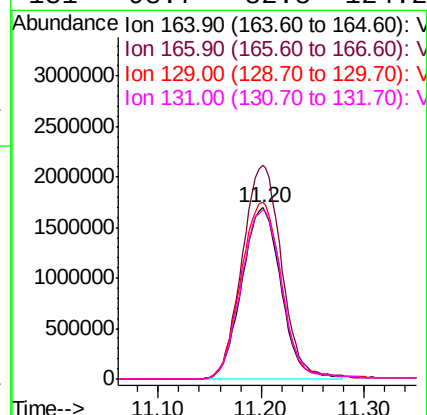
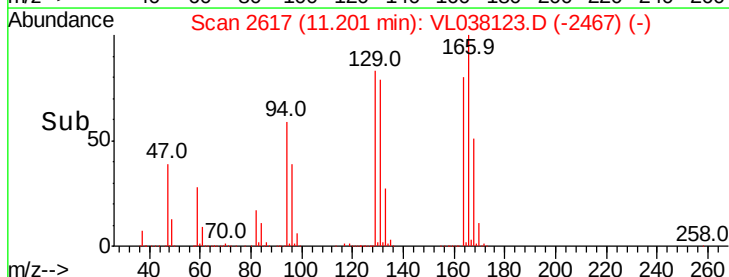
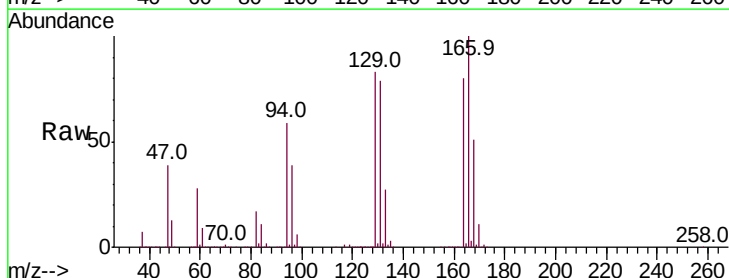
Ion Ratio Lower Upper

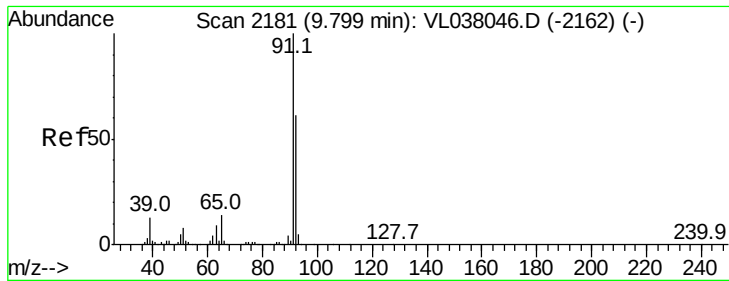
164 100

166 125.0 97.2 145.8

129 103.5 86.9 130.3

131 98.7 82.8 124.2





#53

Toluene

Concen: 0.304 ppbv m

RT: 9.78 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Nov 2021 0:39 SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

91 100

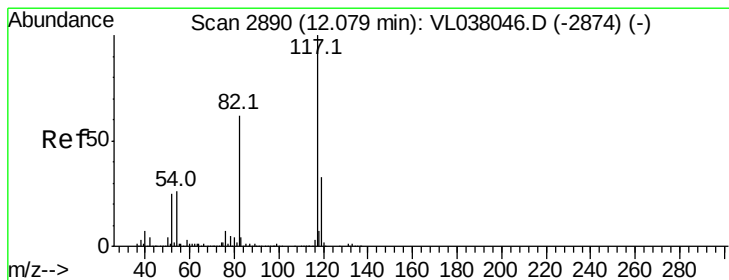
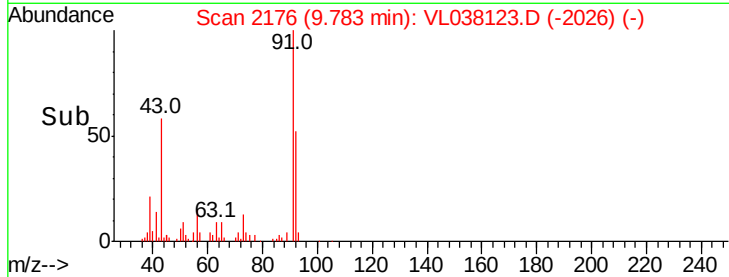
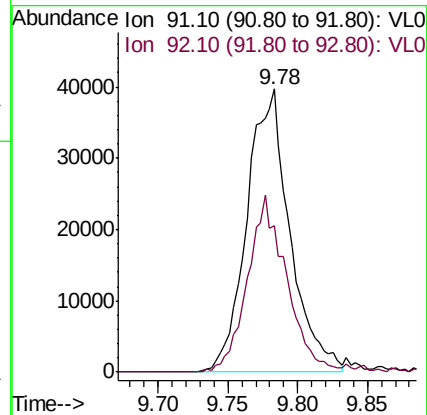
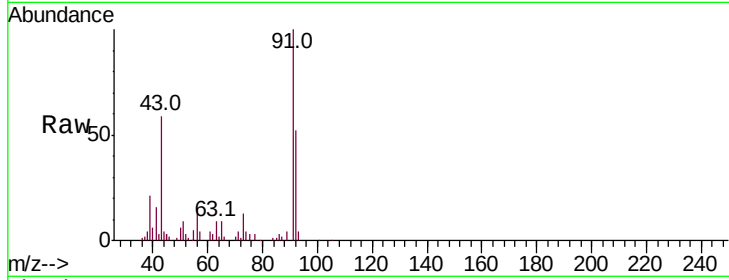
92 57.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL038123.D

Acq: 24 Nov 2021 6:39

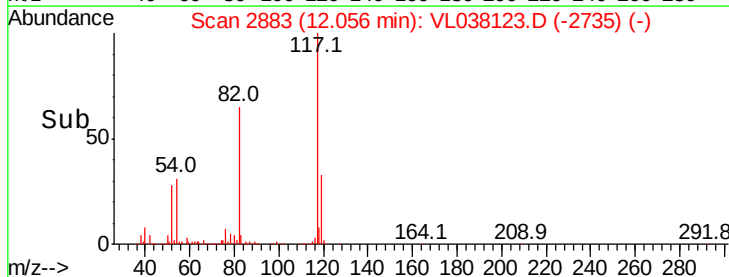
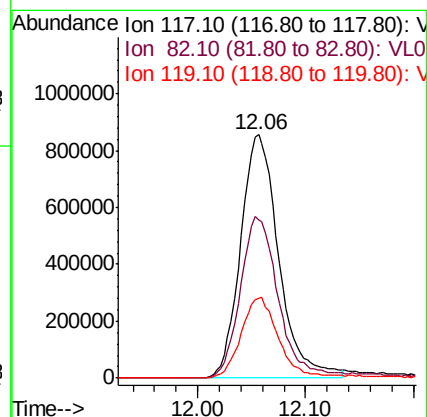
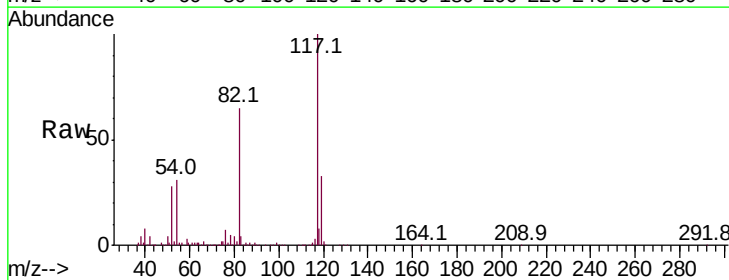
Tgt Ion:117 Resp: 2111274

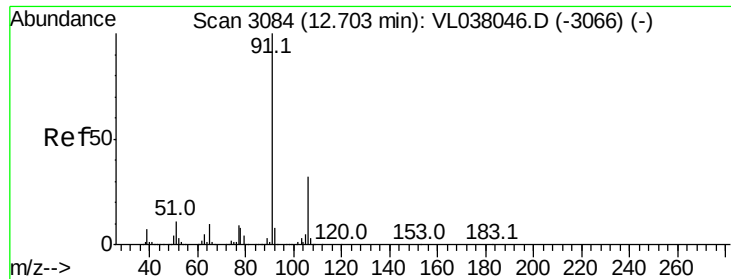
Ion Ratio Lower Upper

117 100

82 69.3 52.8 79.2

119 33.8 26.8 40.2





#58

Ethyl Benzene

Concen: 0.179 ppbv m

RT: 12.68

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Nov 2021 0:39

ClientSampleId :

SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

91 100

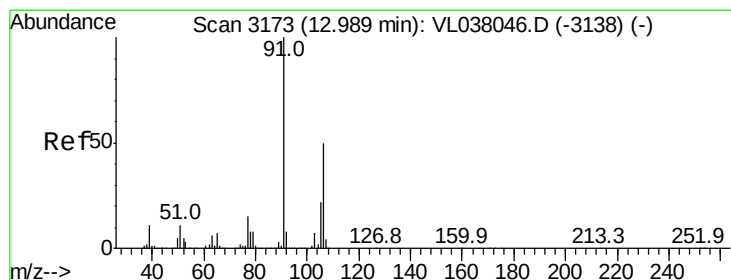
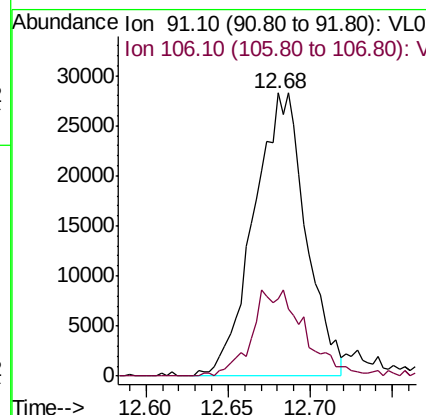
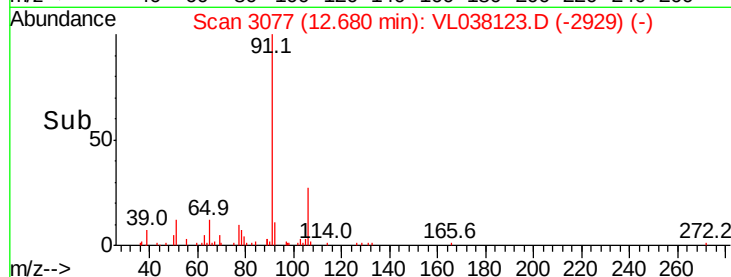
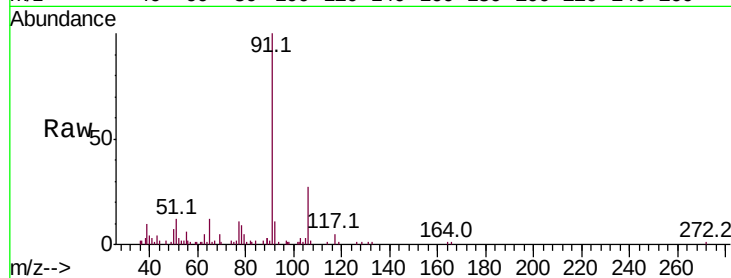
106 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#59

m/p-Xylene

Concen: 1.060 ppbv

RT: 12.94 min Scan# 3157

Delta R.T. -0.05 min

Lab File: VL038123.D

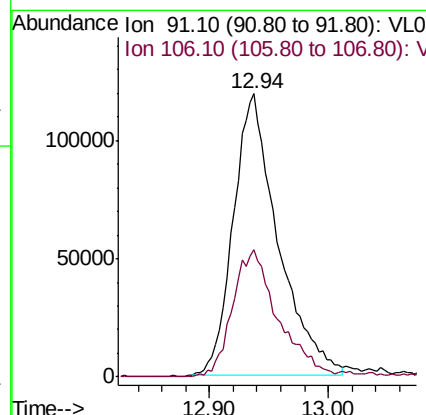
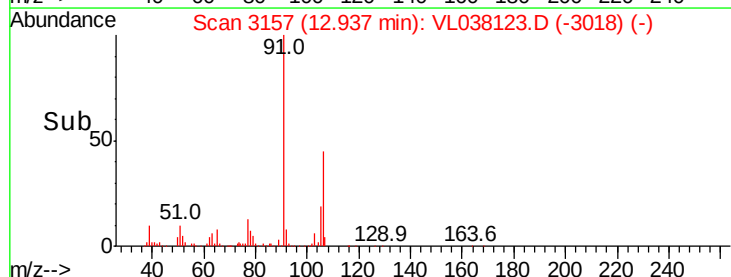
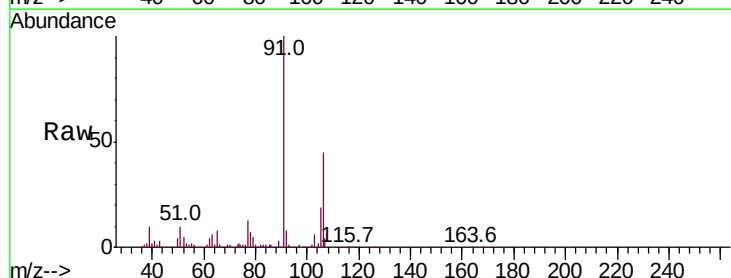
Acq: 24 Nov 2021 6:39

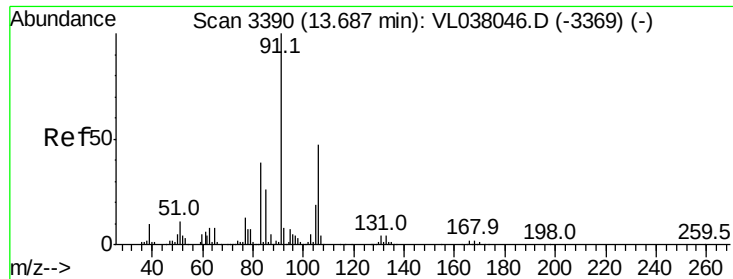
Tgt Ion: 91 Resp: 311303

Ion Ratio Lower Upper

91 100

106 46.2 38.1 57.1





#60

o-Xylene

Concen: 1.505 ppbv

RT: 13.66

Delta R.T.

Lab File:

Acq: 24 Nov 2021

Instrument :

MSVOA_1

ClientSampleId :

SG-EDIBLE-ARRANGEMENTS

Tot Ion:

Ion Ratio

91 100

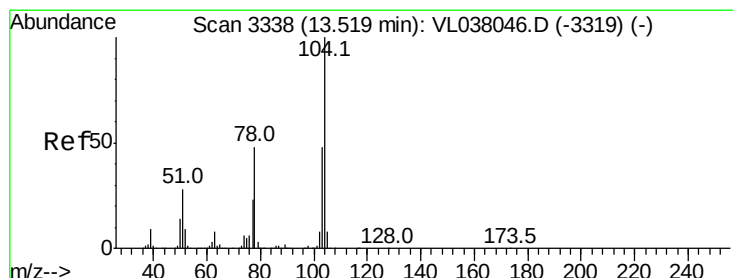
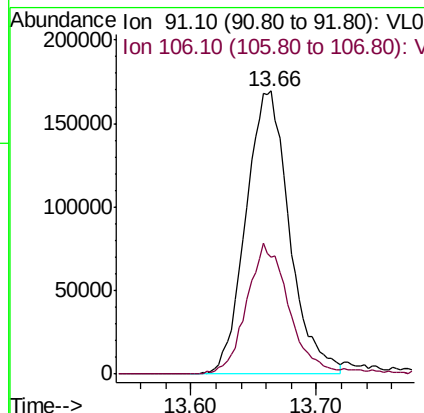
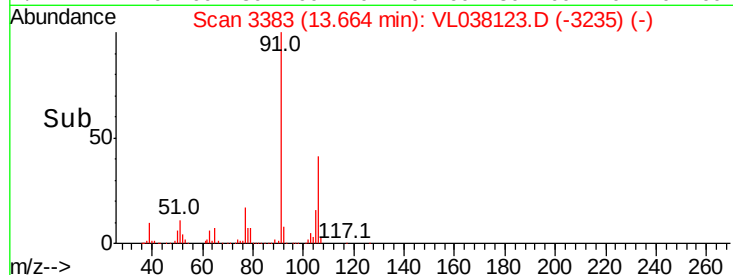
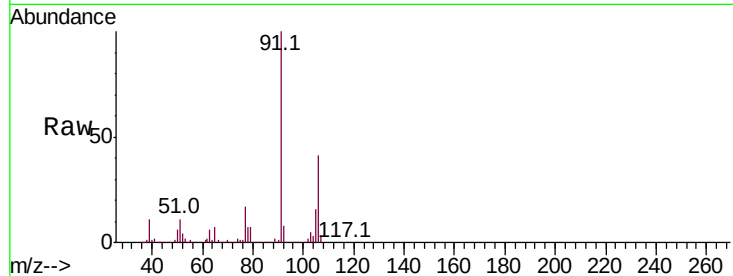
106 46.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#61

Styrene

Concen: 0.356 ppbv

RT: 13.50 min Scan# 3331

Delta R.T. -0.02 min

Lab File: VL038123.D

Acq: 24 Nov 2021 6:39

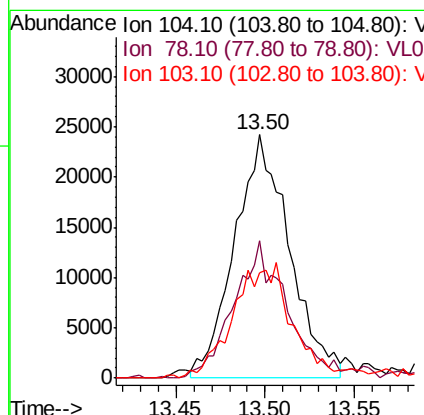
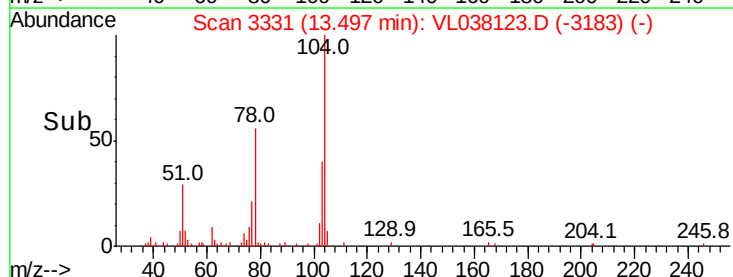
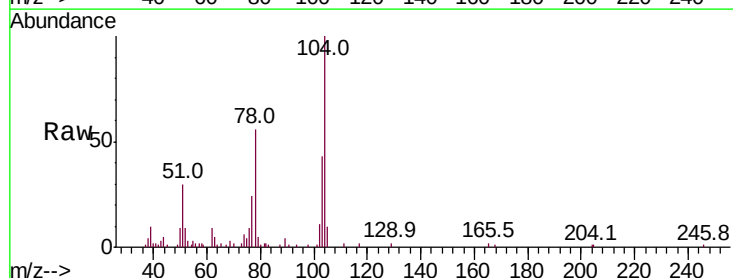
Tgt Ion:104 Resp: 52000

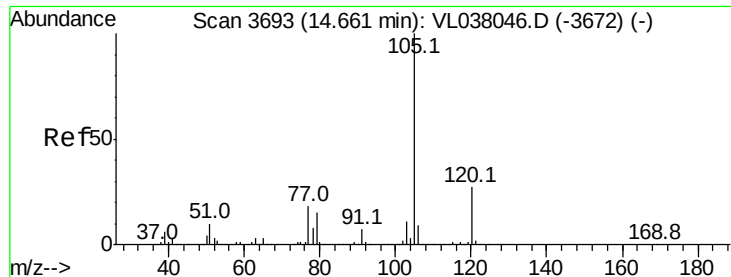
Ion Ratio Lower Upper

104 100

78 55.9 39.8 59.6

103 52.3 38.2 57.2





#62

Isopropylbenzene

Concen: 0.586 ppbv

RT: 14.64

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Nov 2021 0:39

ClientSampleId :

SG-EDIBLE-ARRANGEMENTS

Tot Ion:1

Ion Rati

105 100

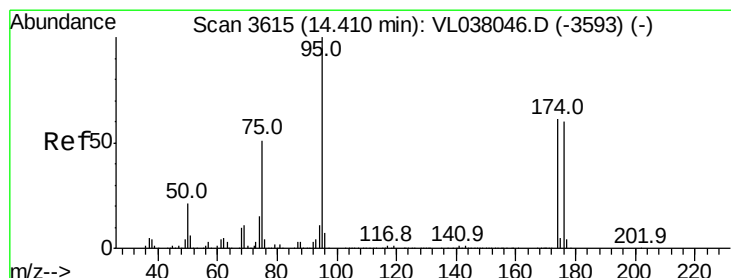
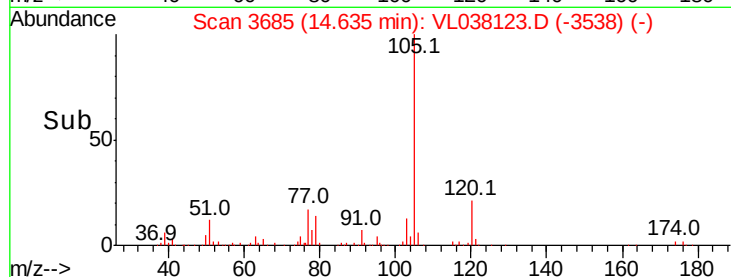
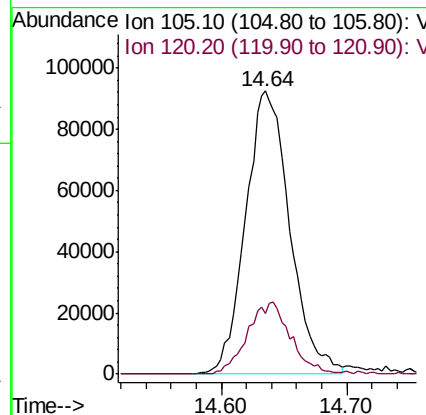
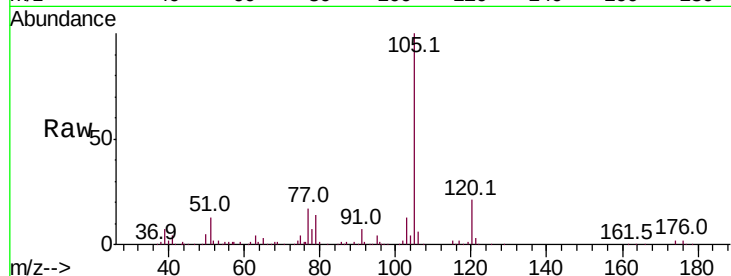
120 25.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/29/2021

Supervised By :Mahesh Dadoda 11/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.790 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.03 min

Lab File: VL038123.D

Acq: 24 Nov 2021 6:39

Tgt Ion: 95 Resp: 1643211

Ion Ratio Lower Upper

95 100

174 63.5 53.1 79.7

175 4.7 4.0 6.0

