

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038106.D
 Acq On : 23 Nov 2021 19:19
 Operator : SY/AP
 Sample : M4805-09
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-JEWELRY-DESIGN

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 24 08:25:39 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	5.66	49	934082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2716318	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2371018	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1870309	10.94	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.40%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.05	85	30278	0.196	ppbv	# 86
4) Chloromethane	3.14	50	41598	0.623	ppbv	91
9) Propene	3.02	41	627274m	8.683	ppbv	
10) Heptane	8.11	43	179490	1.005	ppbv	97
11) Trichlorofluoromethane	3.95	101	489512	3.336	ppbv	99
13) Ethanol	3.65	45	29573734m	4236.085	ppbv	
15) Acetone	3.84	43	7918000	97.770	ppbv	96
19) Isopropyl Alcohol	4.05	45	55009798	940.085	ppbv	# 99
20) Methylene Chloride	4.35	84	134971	2.975	ppbv	98
25) Ethyl Acetate	5.66	43	3420705	12.709	ppbv	# 90
29) Chloroform	5.75	83	944390	4.939	ppbv	95
30) Cyclohexane	7.12	84	15366m	0.130	ppbv	
34) 2-Butanone	5.24	43	123318	1.126	ppbv	95
35) Carbon Tetrachloride	7.01	117	16017m	0.084	ppbv	
36) Benzene	6.88	78	131203	0.484	ppbv	95
37) 1,2-Dichloroethane	6.30	62	69998	0.535	ppbv	99
44) 2,2,4-Trimethylpentane	7.86	57	260607	0.575	ppbv	92
52) Tetrachloroethene	11.20	164	20049m	0.200	ppbv	
53) Toluene	9.79	91	981025	3.147	ppbv	99
58) Ethyl Benzene	12.69	91	214859	0.548	ppbv	91
59) m/p-Xylene	12.95	91	358076	1.085	ppbv	99
60) o-Xylene	13.67	91	123470	0.403	ppbv	95
61) Styrene	13.52	104	43190	0.263	ppbv	90
69) p-Isopropyltoluene	17.64	119	45824m	0.110	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	64256	0.192	ppbv	# 69

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

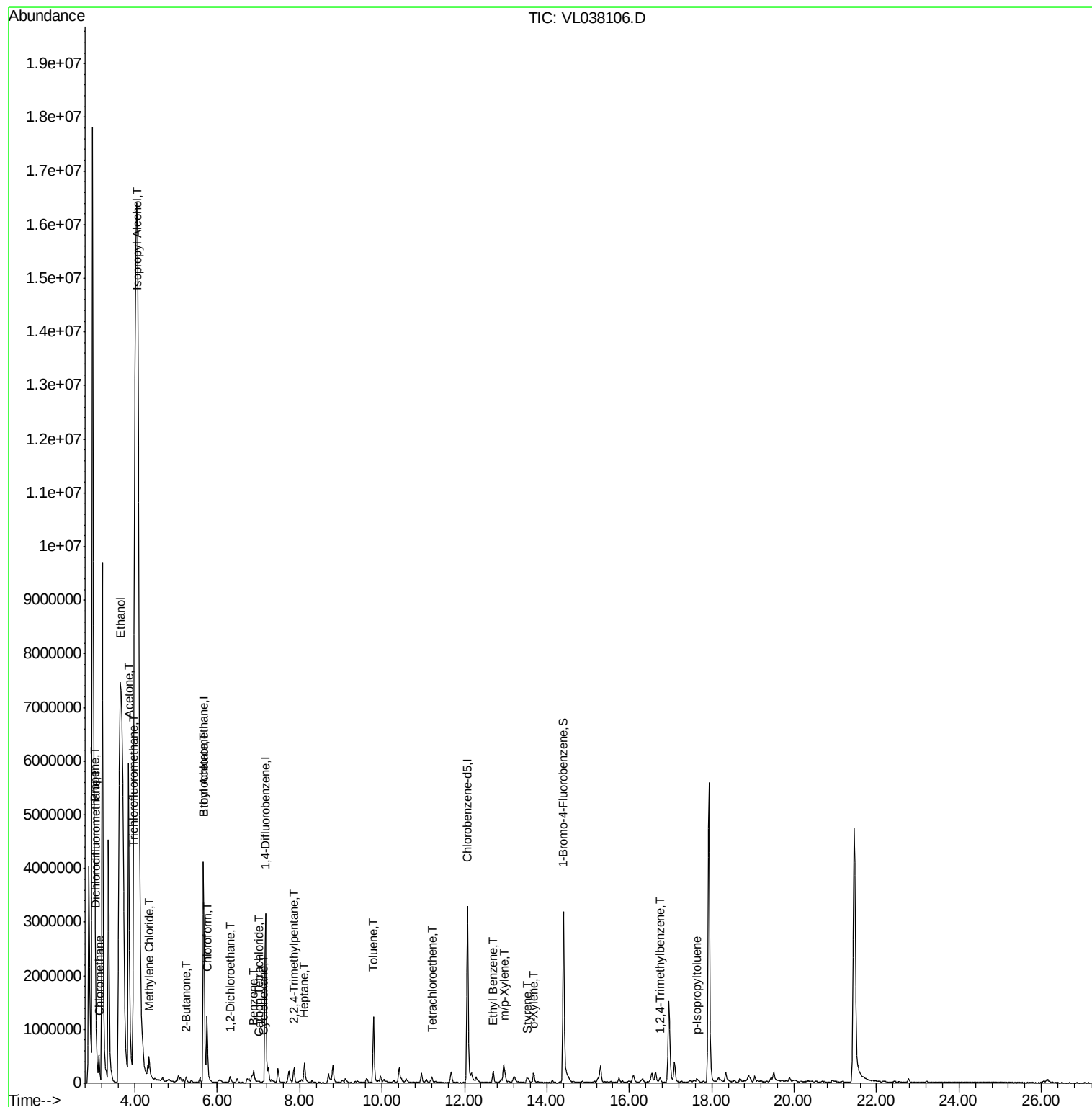
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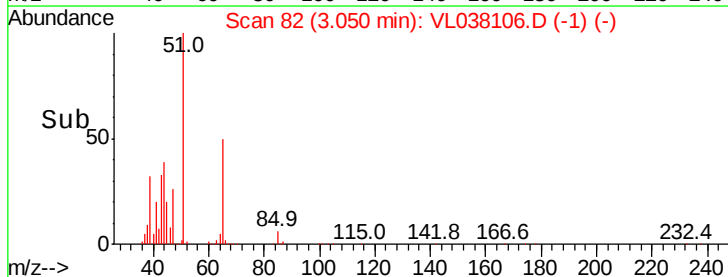
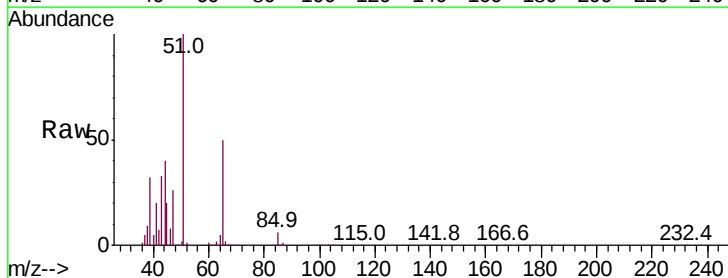
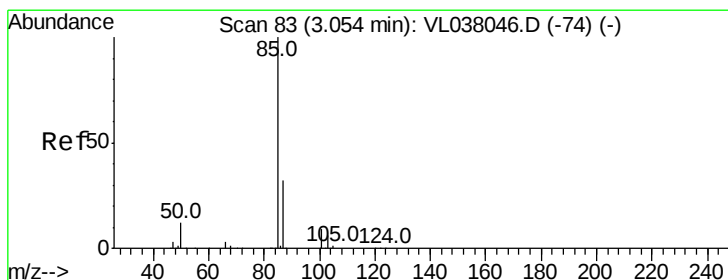
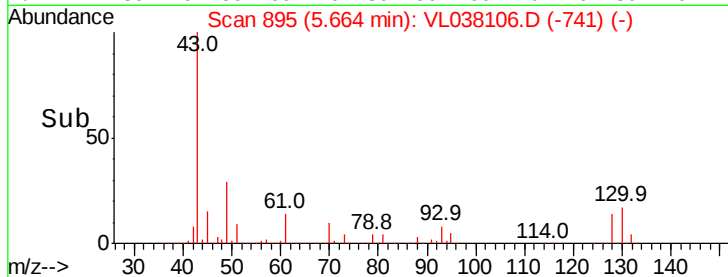
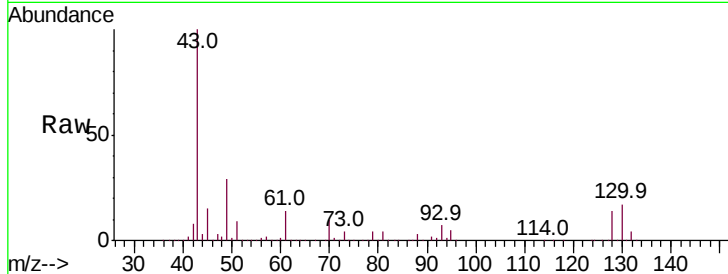
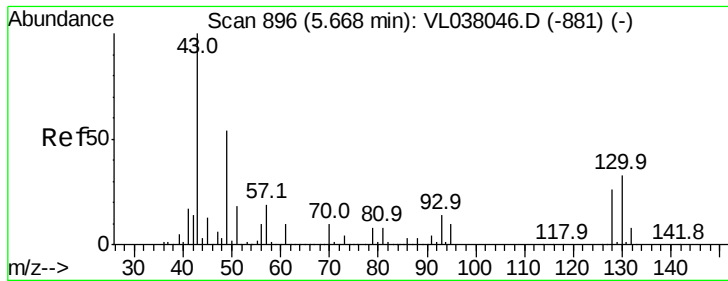
Instrument :
MSVOA_L
ClientSampleId :
IA-JEWELRY-DESIGN

Quant Time: Nov 24 08:25:39 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

49 100

128 49.

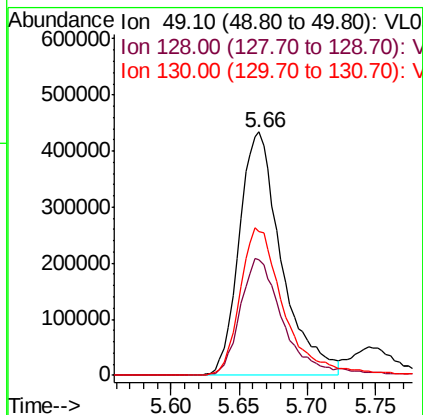
130 63.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.196 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038106.D

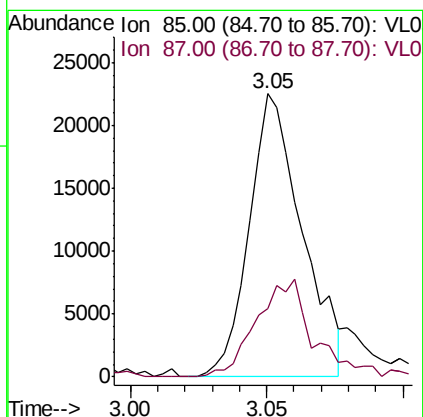
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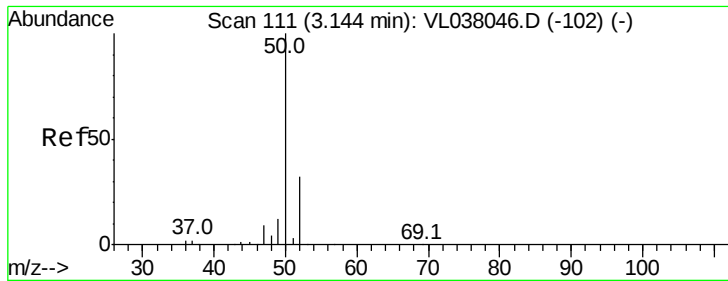
Tgt Ion: 85 Resp: 30278

Ion Ratio Lower Upper

85 100

87 24.1 25.8 38.6#





#4

Chloromethane

Concen: 0.623 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

50 100

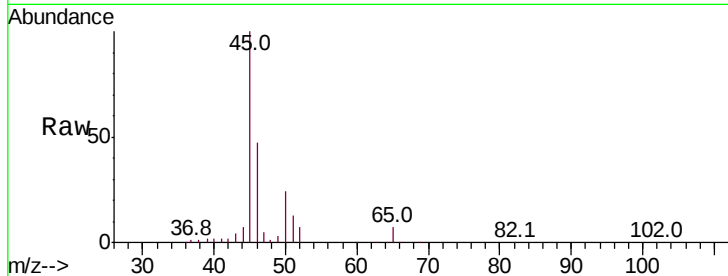
52 26.

Manual Integrations

APPROVED

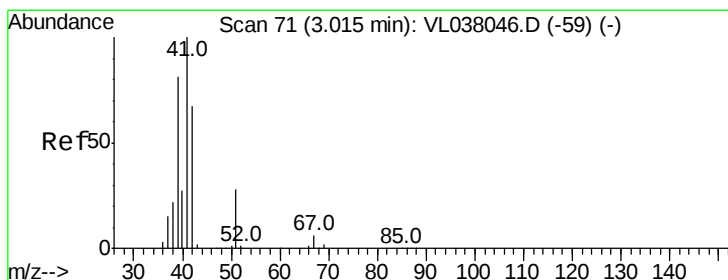
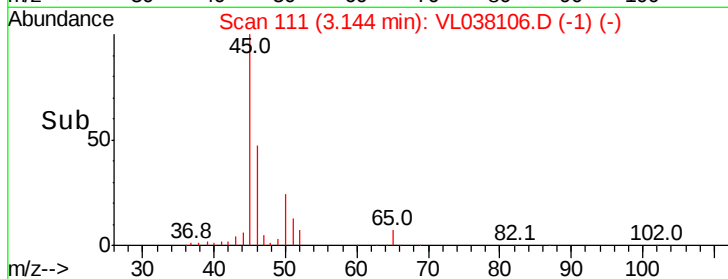
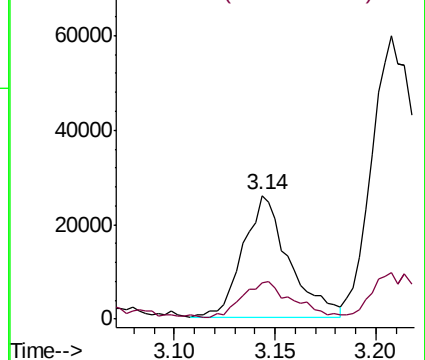
Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 8.683 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL038106.D

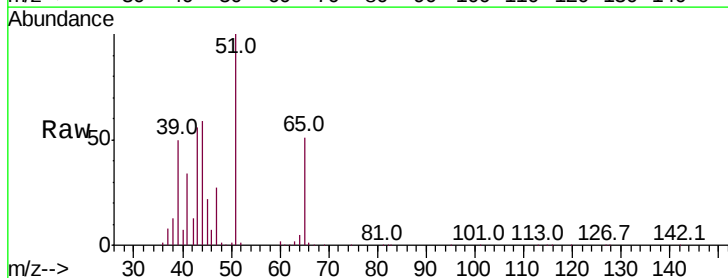
Acq: 23 Nov 2021 19:19

Tgt Ion: 41 Resp: 627274

Ion Ratio Lower Upper

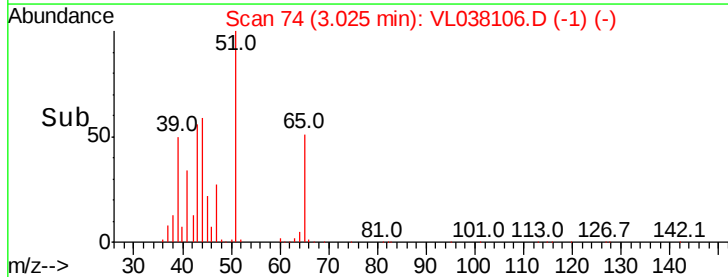
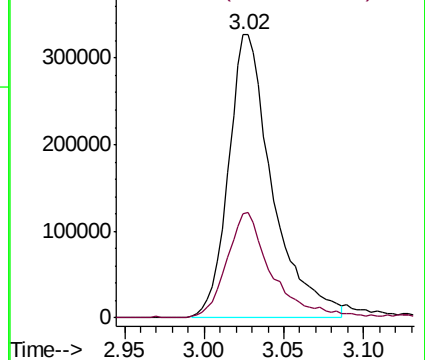
41 100

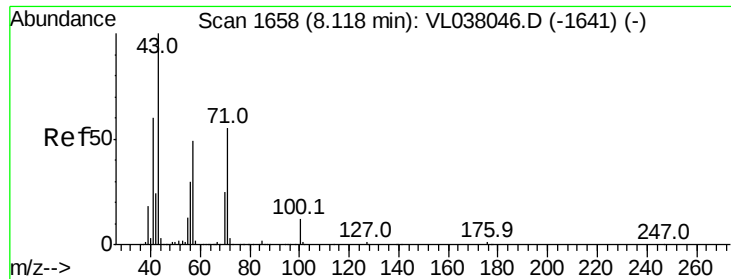
42 450.7 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 1.005 ppbv

RT: 8.11 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

43 100

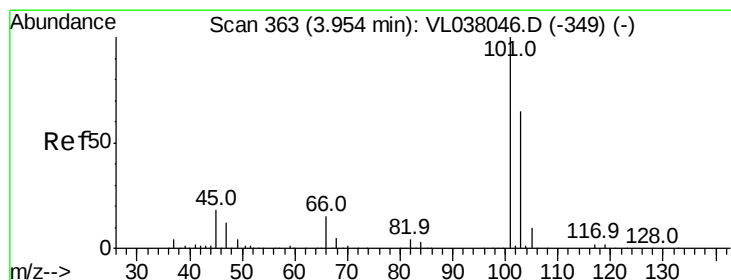
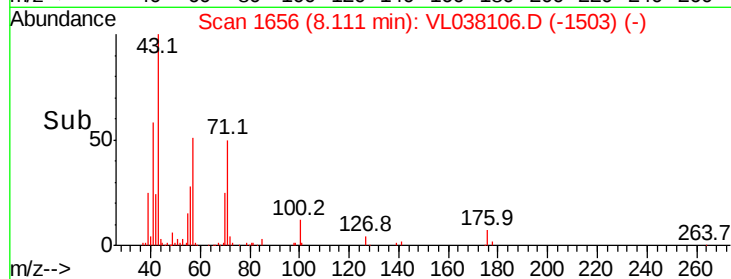
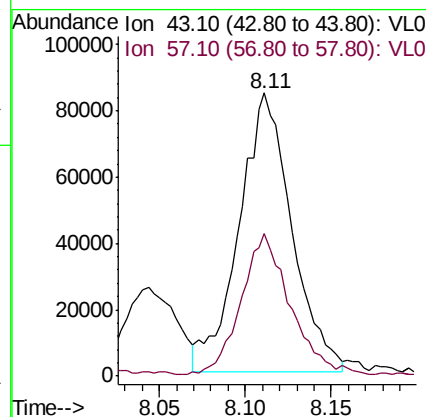
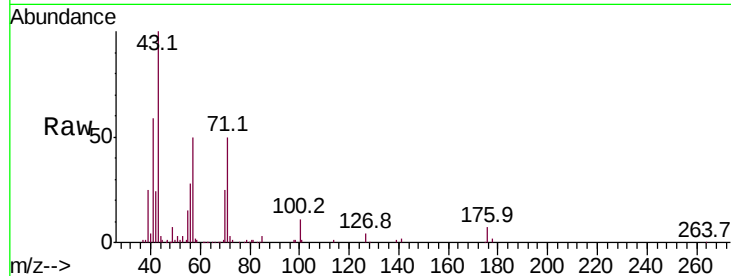
57 48.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#11

Trichlorofluoromethane

Concen: 3.336 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL038106.D

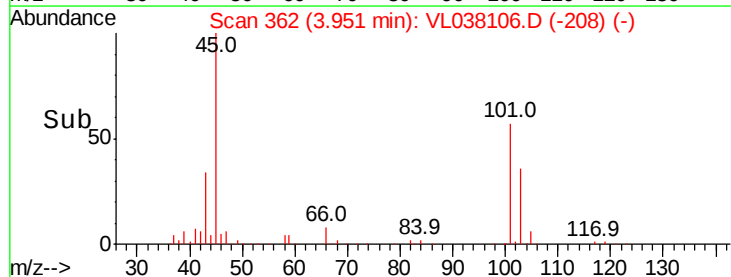
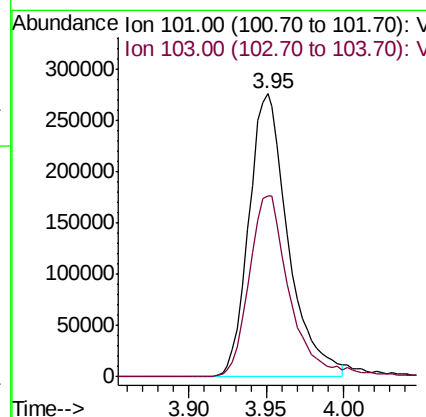
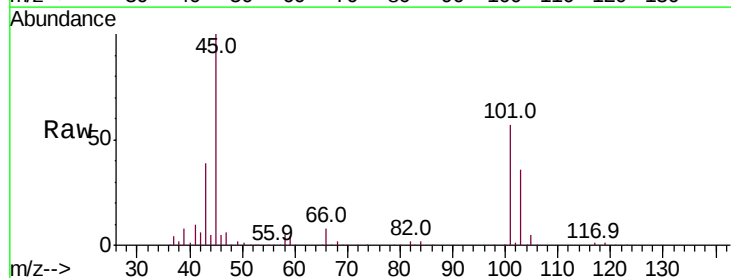
Acq: 23 Nov 2021 19:19

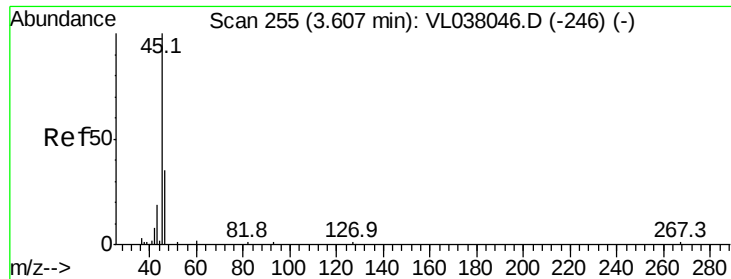
Tgt Ion:101 Resp: 489512

Ion Ratio Lower Upper

101 100

103 63.8 51.8 77.6



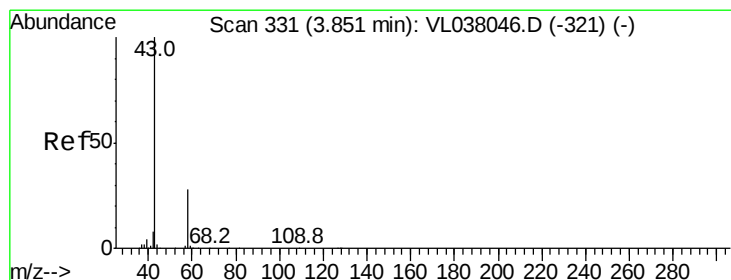
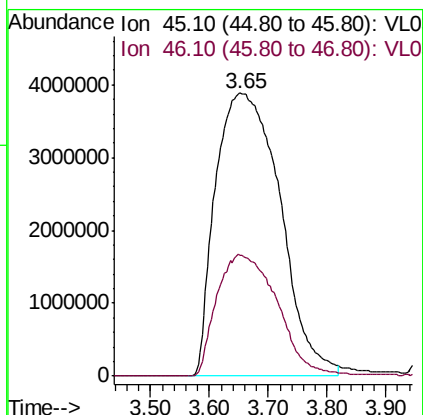
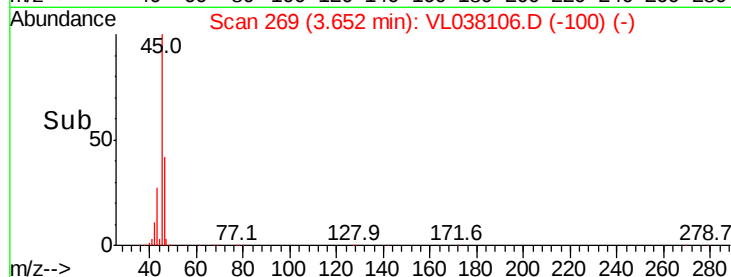
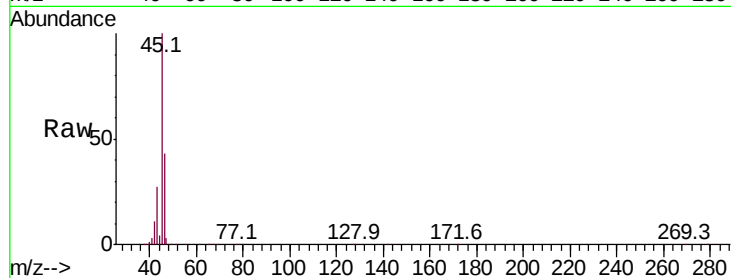


#13
Ethanol
Concen: 4236.085 ppbv m
RT: 3.65
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
45 100
46 40.

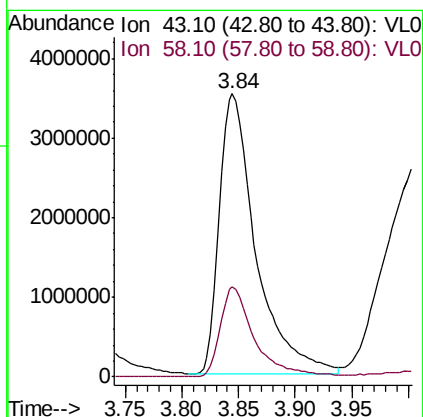
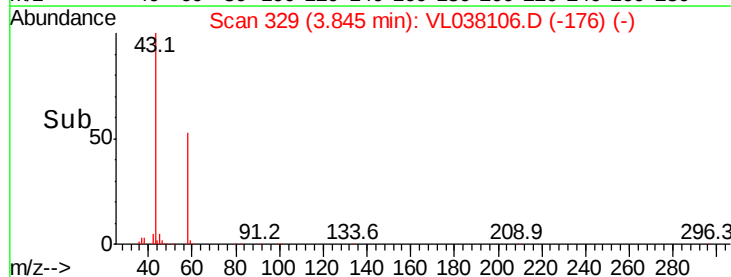
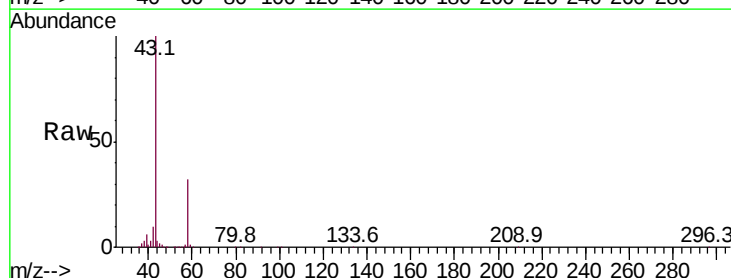
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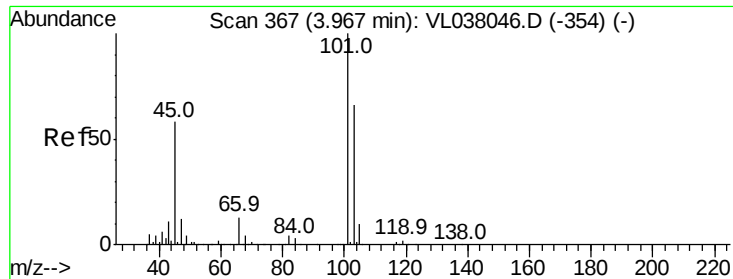
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#15
Acetone
Concen: 97.770 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion: 43 Resp: 7918000
Ion Ratio Lower Upper
43 100
58 30.2 22.4 33.6





#19

Isopropyl Alcohol

Concen: 940.085 ppbv

RT: 4.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

45 100

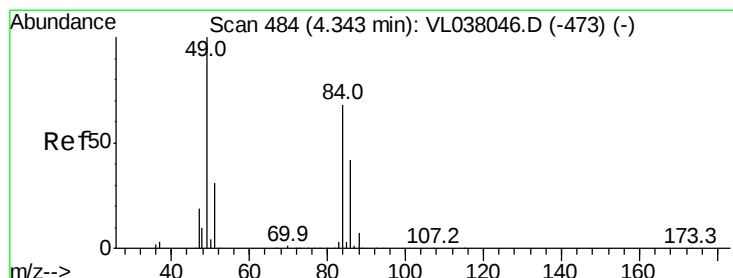
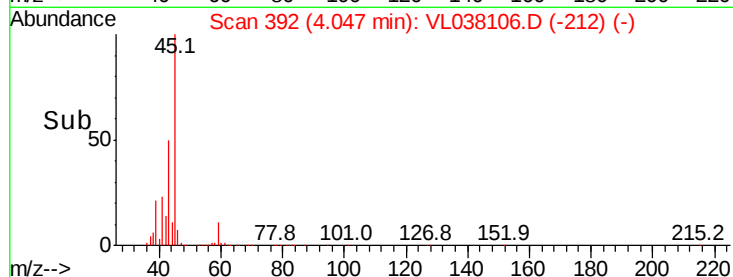
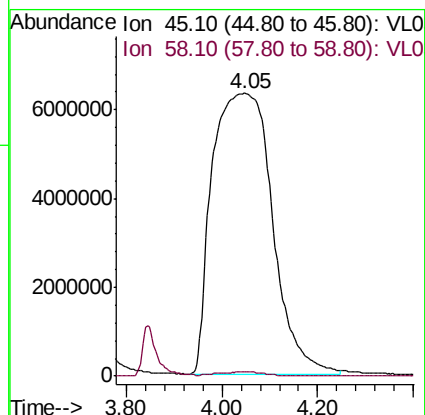
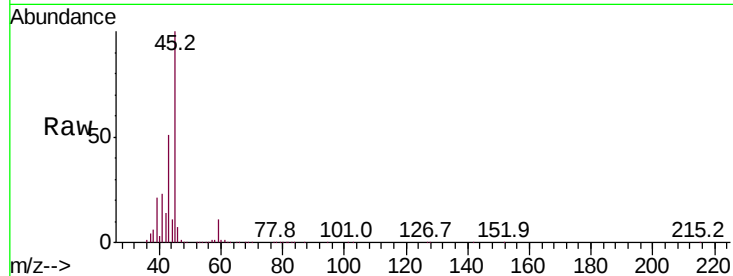
58 1.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#20

Methylene Chloride

Concen: 2.975 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038106.D

Acq: 23 Nov 2021 19:19

Tgt Ion: 84 Resp: 134971

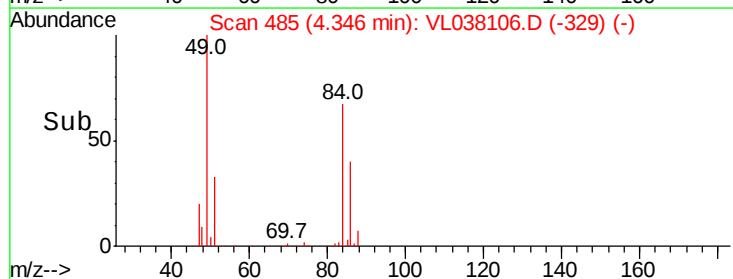
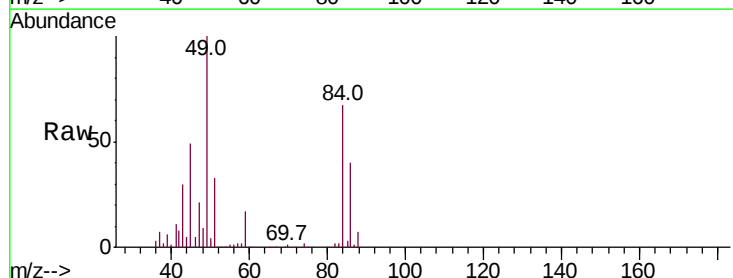
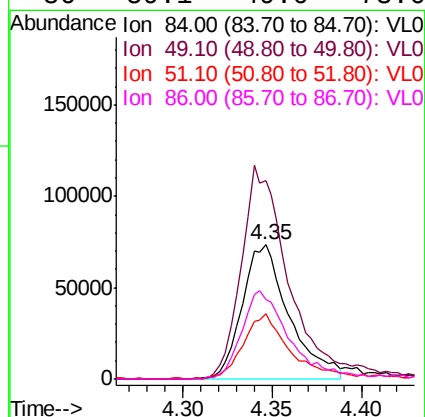
Ion Ratio Lower Upper

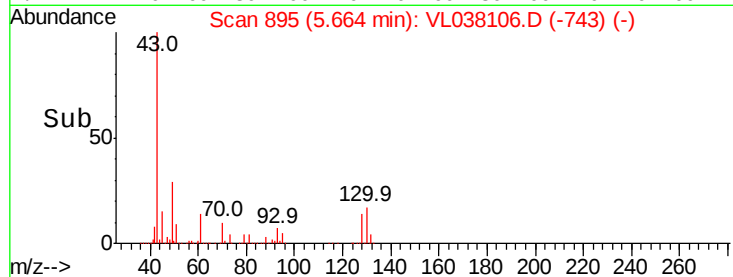
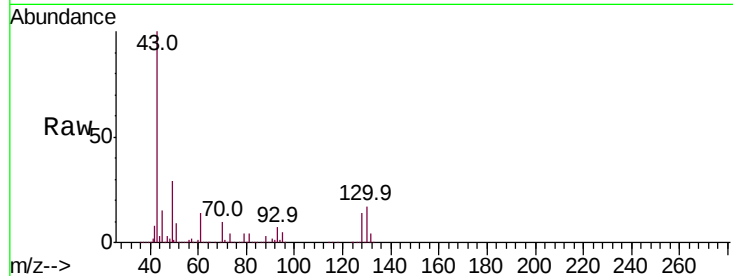
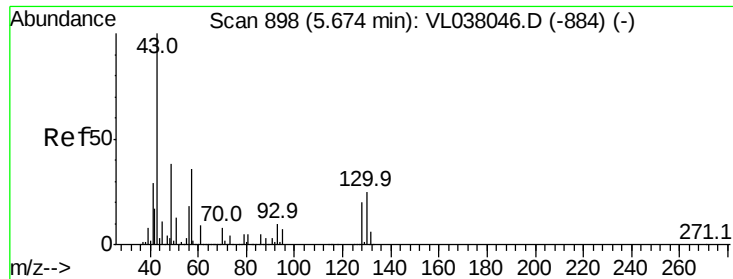
84 100

49 148.1 118.2 177.2

51 49.0 36.8 55.2

86 59.1 49.0 73.6



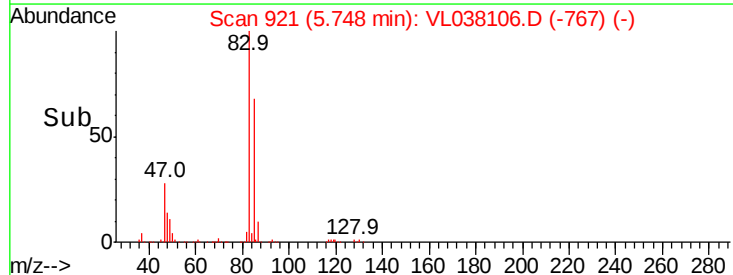
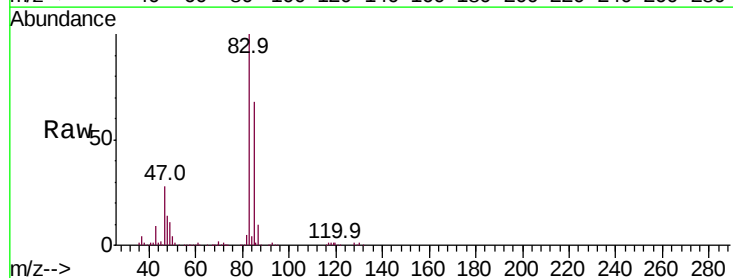
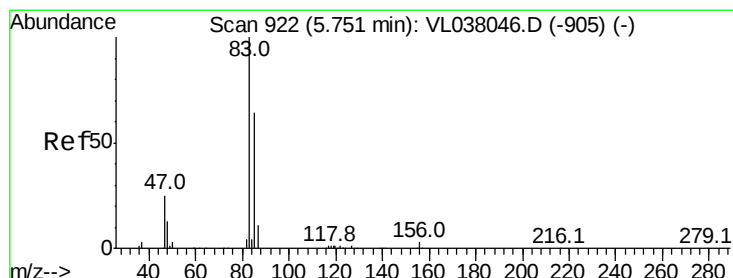
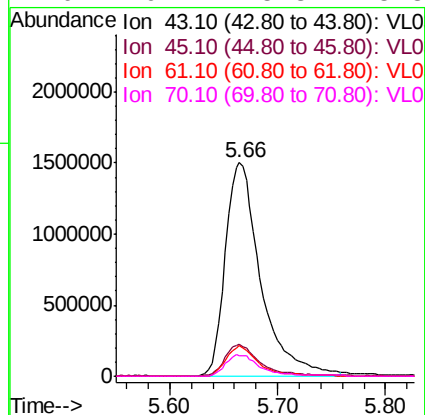


#25
Ethyl Acetate
Concen: 12.709 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
43 100
45 14.
61 13.
70 10.1 5.8 8.8#

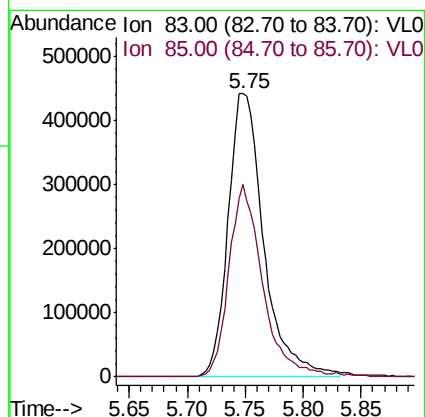
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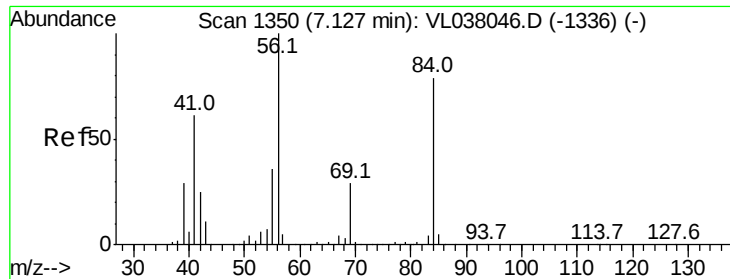
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#29
Chloroform
Concen: 4.939 ppbv
RT: 5.75 min Scan# 921
Delta R.T.: -0.00 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion: 83 Resp: 944390
Ion Ratio Lower Upper
83 100
85 67.7 51.0 76.6



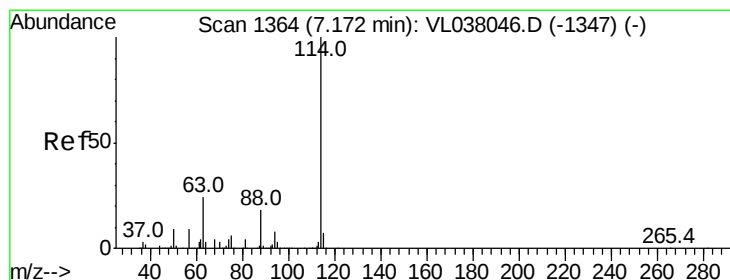
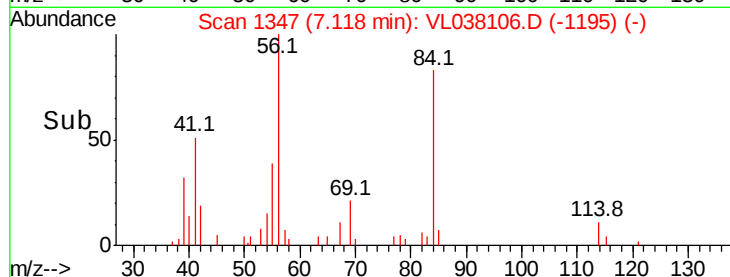
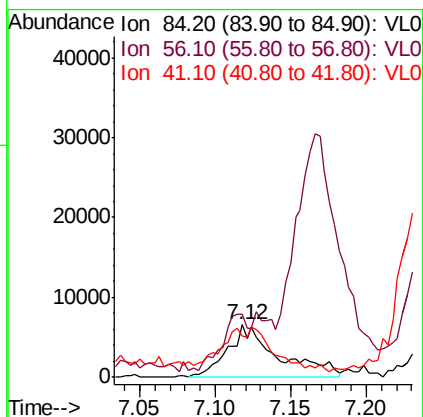
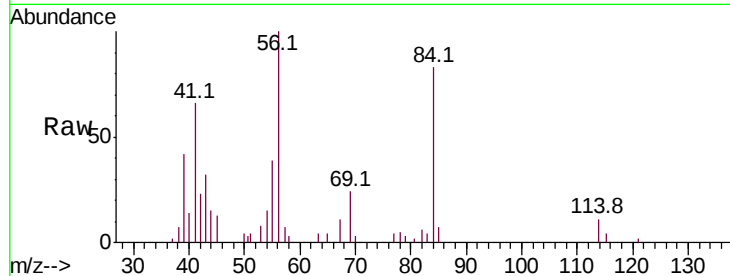


#30
Cvclohexane
Concen: 0.130 ppbv m
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
84 100
56 0.
41 101.

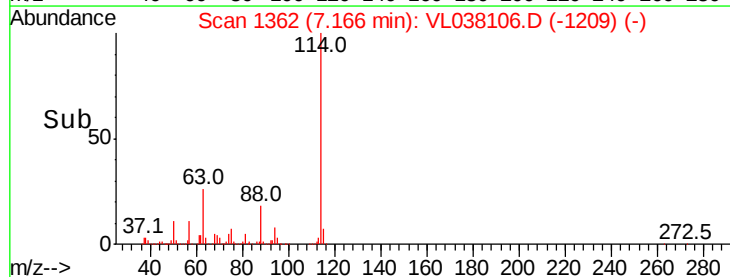
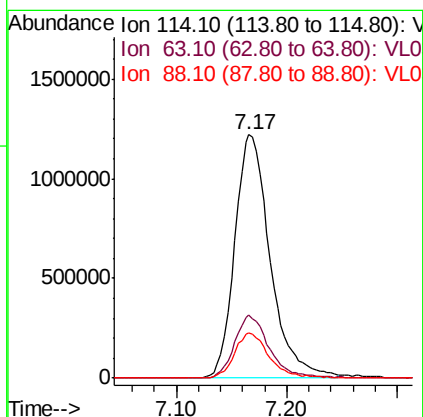
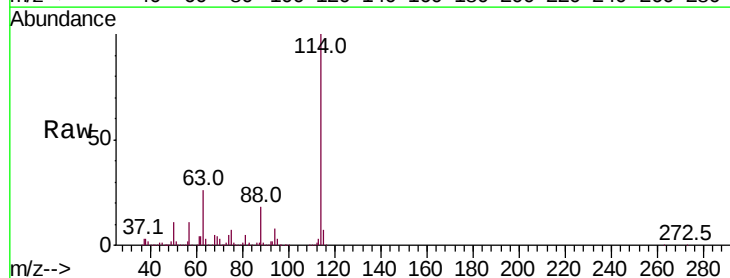
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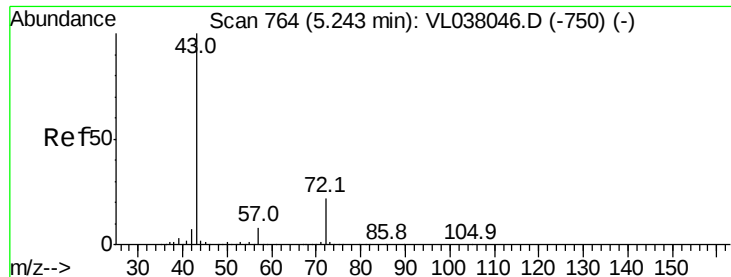
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion:114 Resp: 2716318
Ion Ratio Lower Upper
114 100
63 25.6 19.7 29.5
88 18.4 14.4 21.6





#34

2-Butanone

Concen: 1.126 ppbv

RT: 5.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

43 100

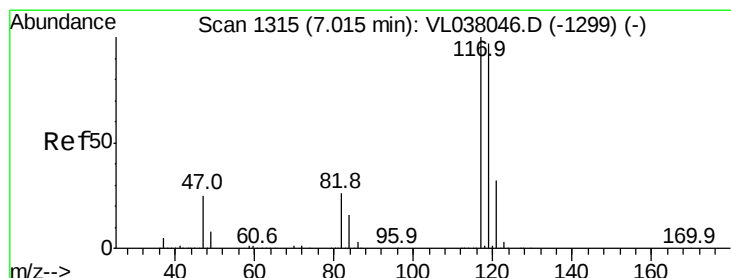
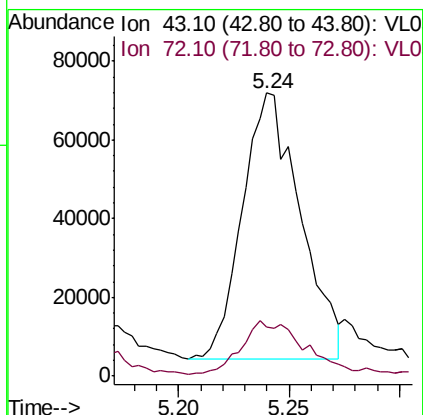
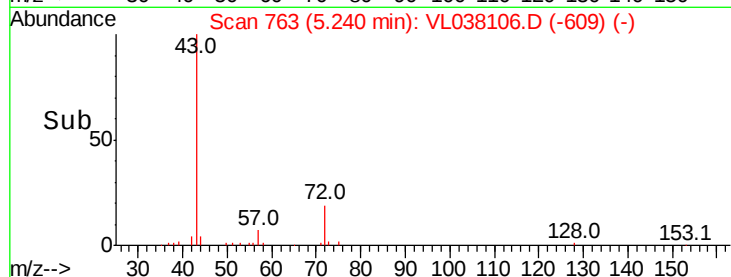
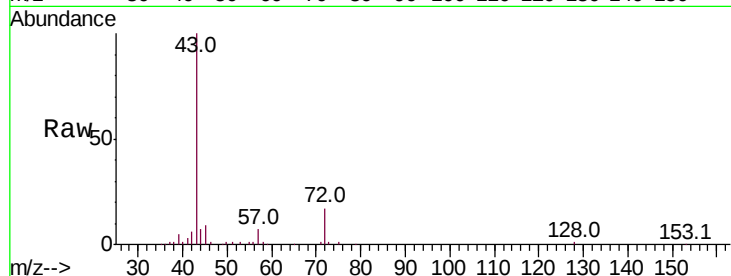
72 25.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#35

Carbon Tetrachloride

Concen: 0.084 ppbv m

RT: 7.01 min Scan# 1312

Delta R.T. -0.01 min

Lab File: VL038106.D

Acq: 23 Nov 2021 19:19

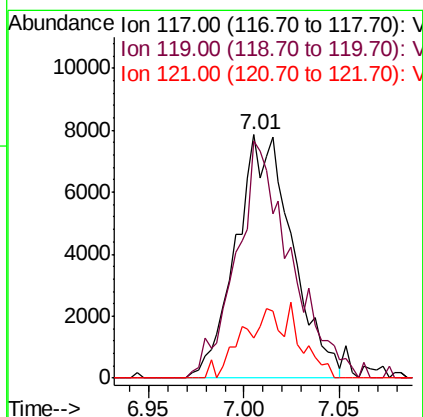
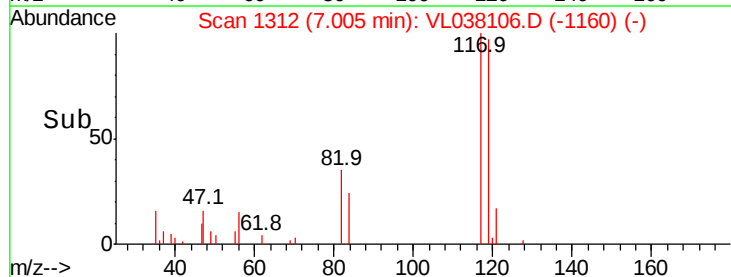
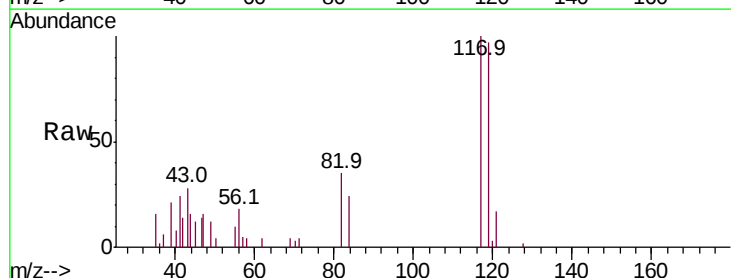
Tgt Ion:117 Resp: 16017

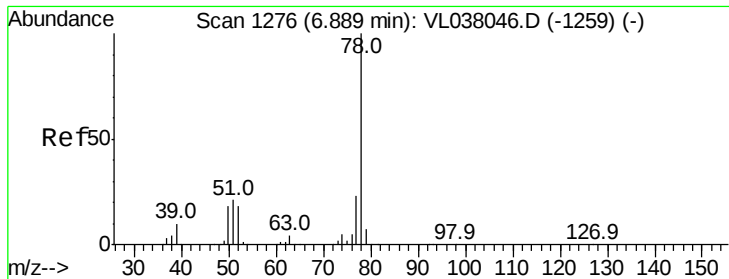
Ion Ratio Lower Upper

117 100

119 97.4 77.7 116.5

121 16.7 25.6 38.4#



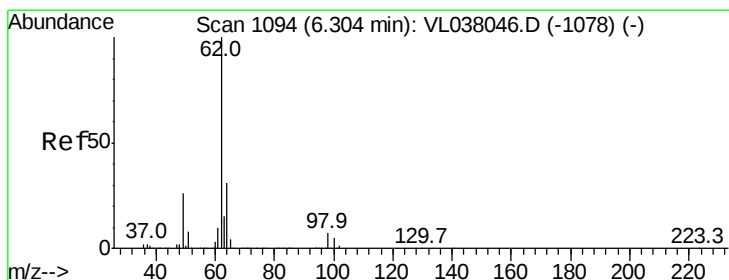
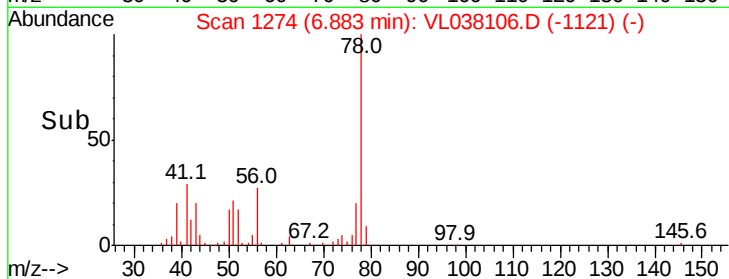
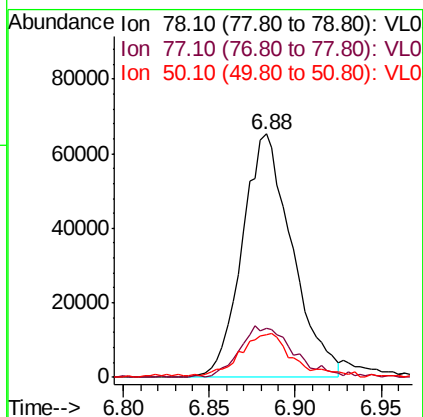
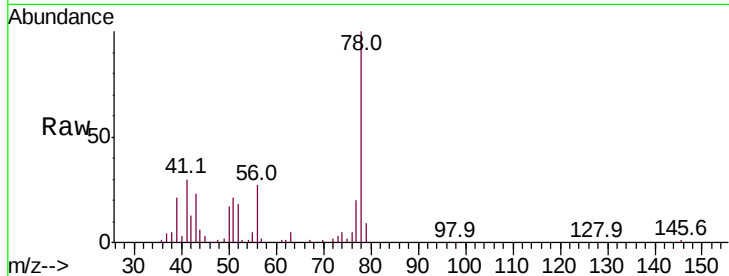


#36
Benzene
Concen: 0.484 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
78 100
77 20.
50 16.

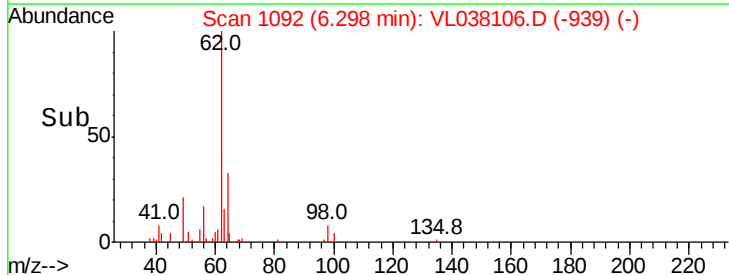
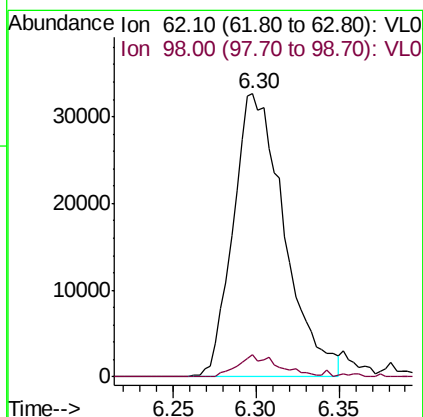
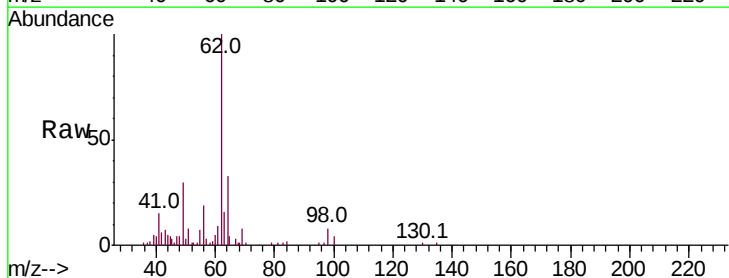
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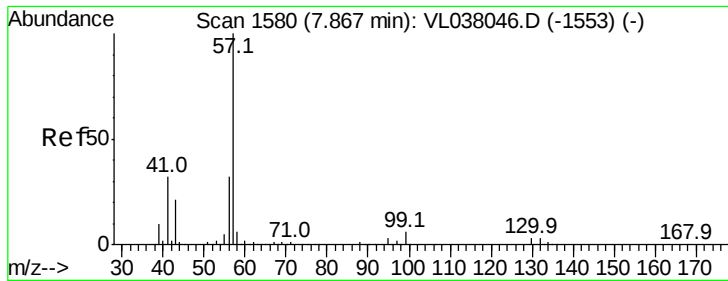
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#37
1,2-Dichloroethane
Concen: 0.535 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion: 62 Resp: 69998
Ion Ratio Lower Upper
62 100
98 6.9 5.8 8.6





#44

2,2,4-Trimethylpentane

Concen: 0.575 ppbv

RT: 7.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

57 100

41 35.

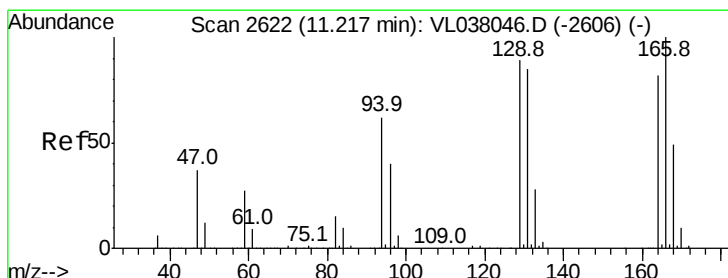
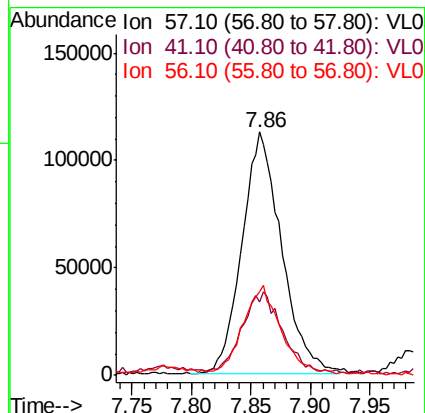
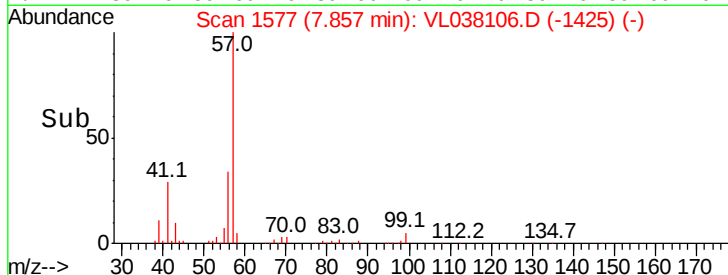
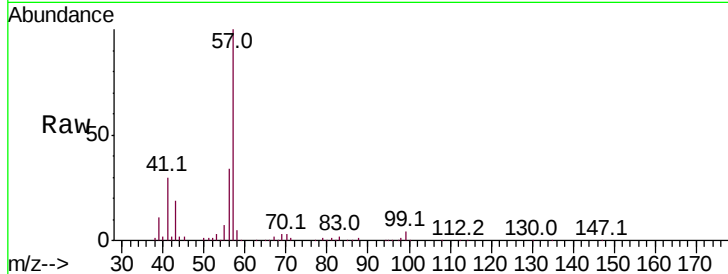
56 37.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#52

Tetrachloroethene

Concen: 0.200 ppbv m

RT: 11.20 min Scan# 2618

Delta R.T. -0.01 min

Lab File: VL038106.D

Acq: 23 Nov 2021 19:19

Tgt Ion:164 Resp: 20049

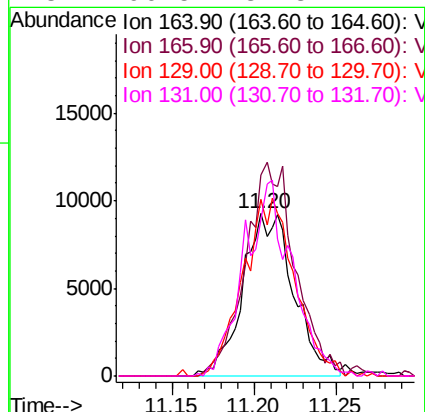
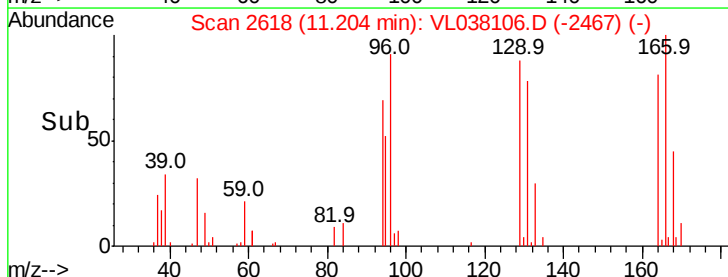
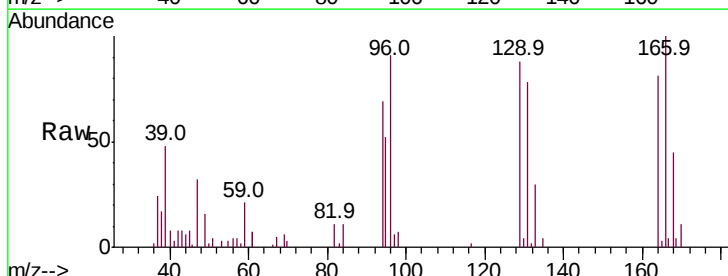
Ion Ratio Lower Upper

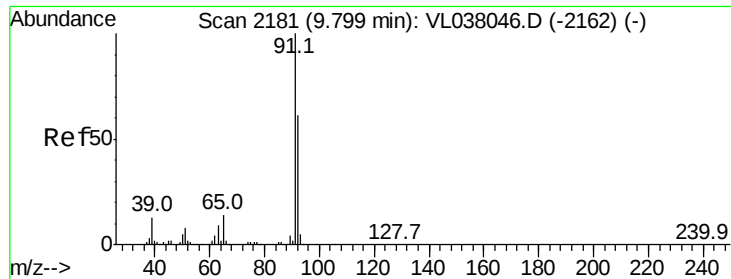
164 100

166 123.6 97.2 145.8

129 109.4 86.9 130.3

131 96.5 82.8 124.2





#53

Toluene

Concen: 3.147 ppbv

RT: 9.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

91 100

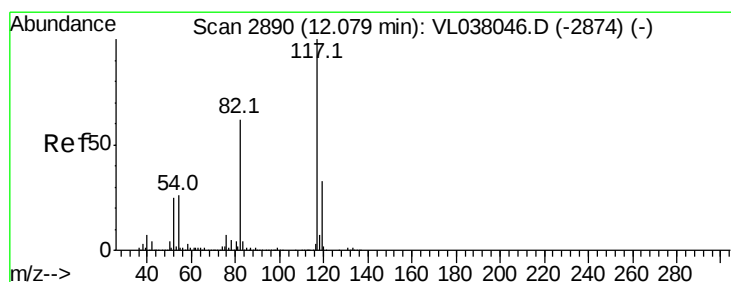
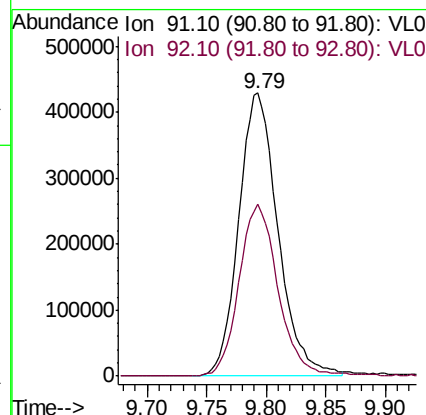
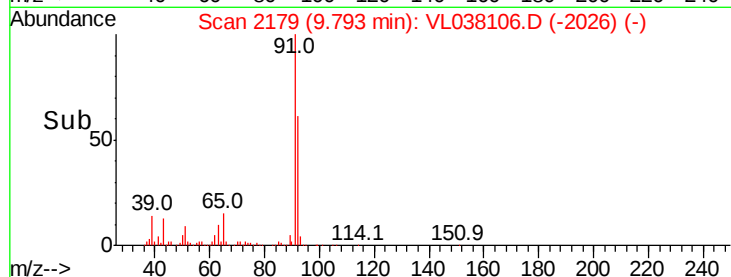
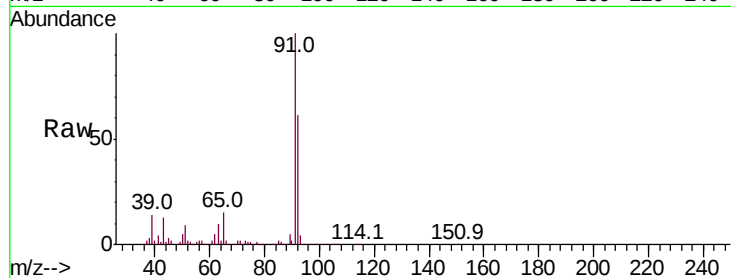
92 61.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.01 min

Lab File: VL038106.D

Acq: 23 Nov 2021 19:19

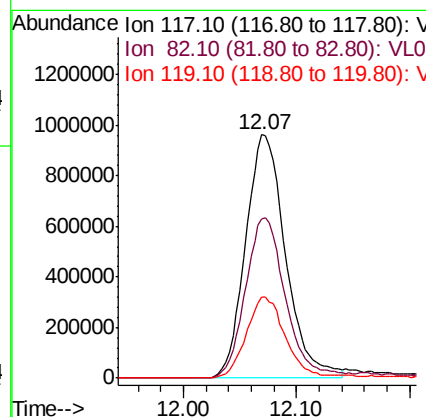
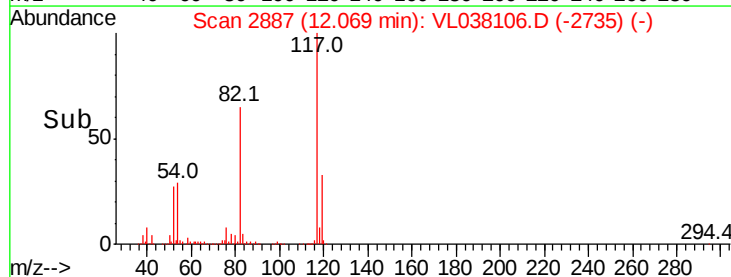
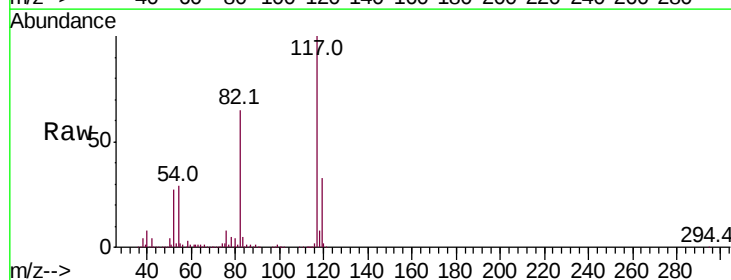
Tgt Ion:117 Resp: 2371018

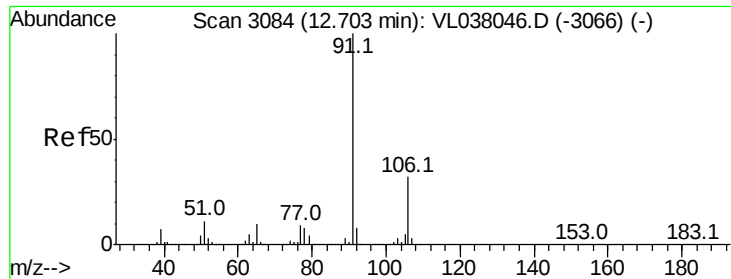
Ion Ratio Lower Upper

117 100

82 69.3 52.8 79.2

119 34.4 26.8 40.2



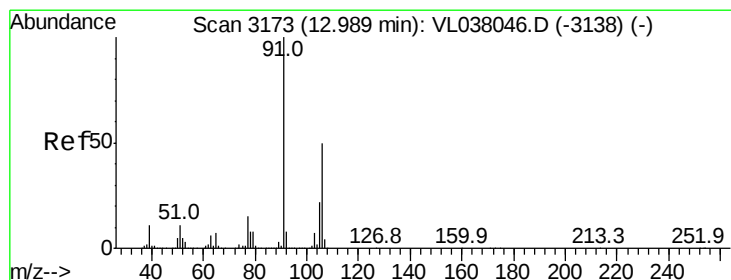
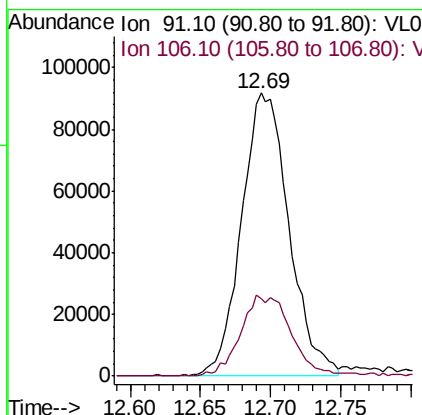
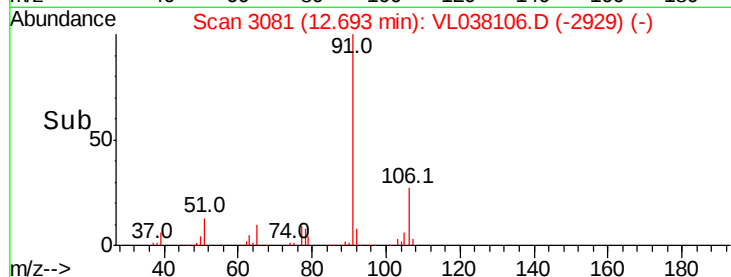
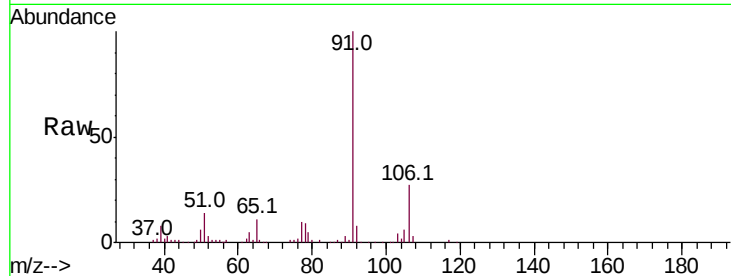


#58
Ethyl Benzene
Concen: 0.548 ppbv
RT: 12.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
91 100
106 27.

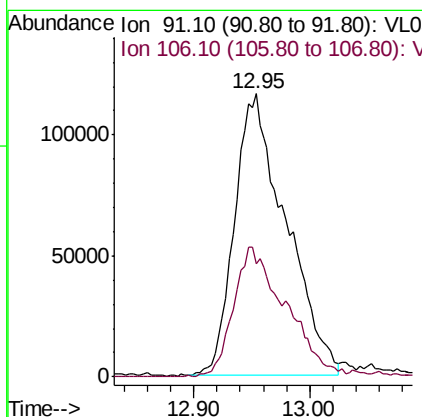
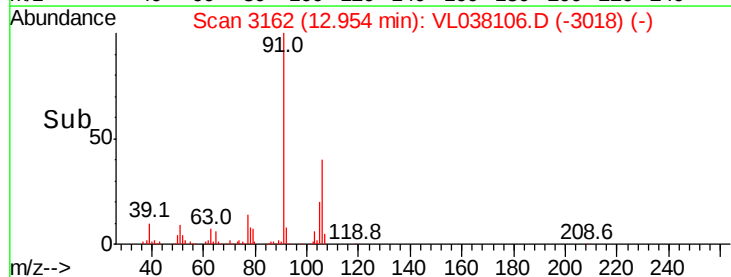
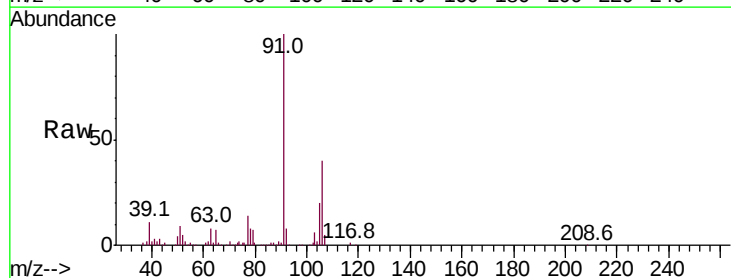
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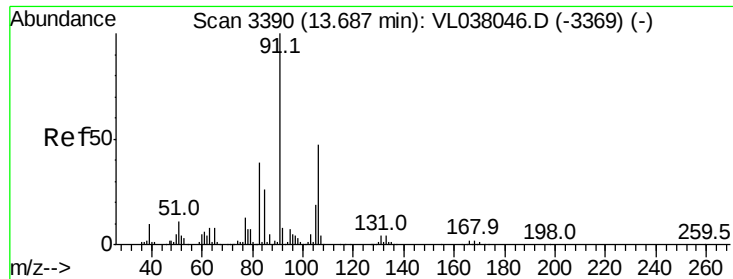
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#59
m/p-Xylene
Concen: 1.085 ppbv
RT: 12.95 min Scan# 3162
Delta R.T. -0.04 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion: 91 Resp: 358076
Ion Ratio Lower Upper
91 100
106 48.0 38.1 57.1



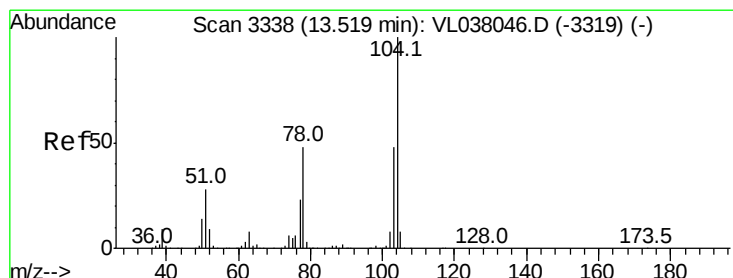
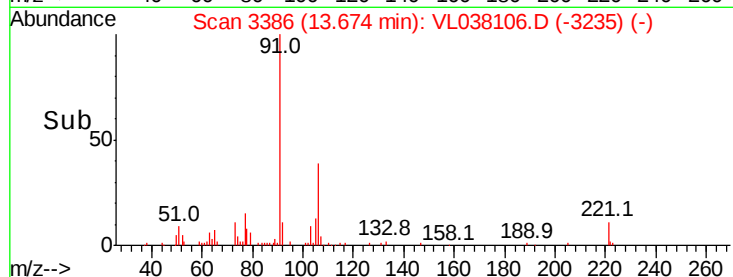
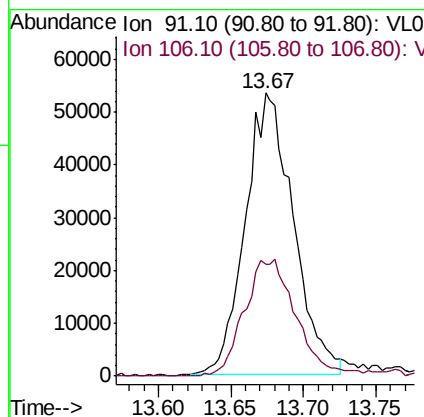
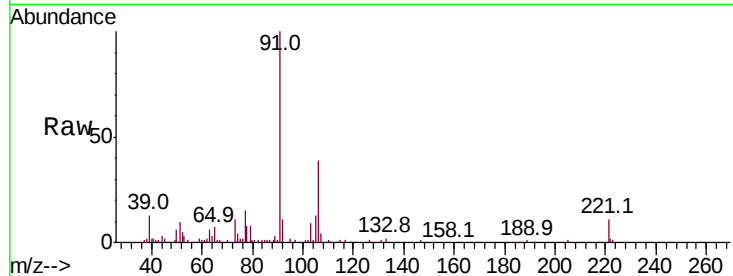


#60
o-Xylene
Concen: 0.403 ppbv
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Nov 2021 19:19

Tot Ion:
Ion Ratio
91 100
106 45.

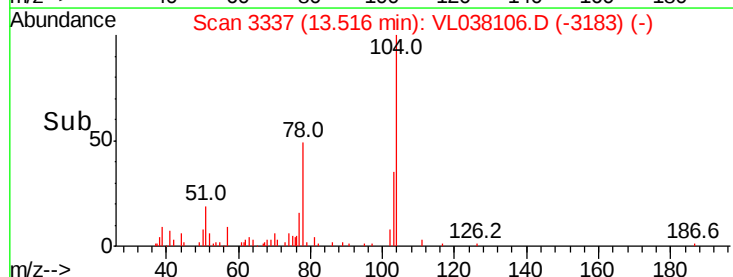
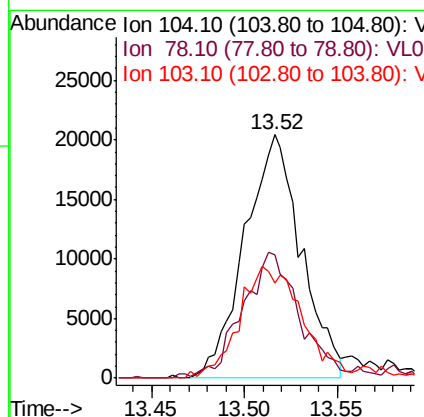
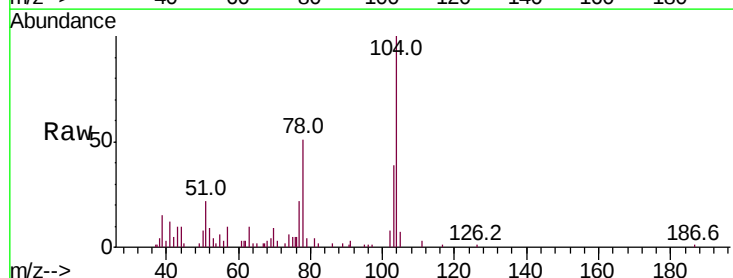
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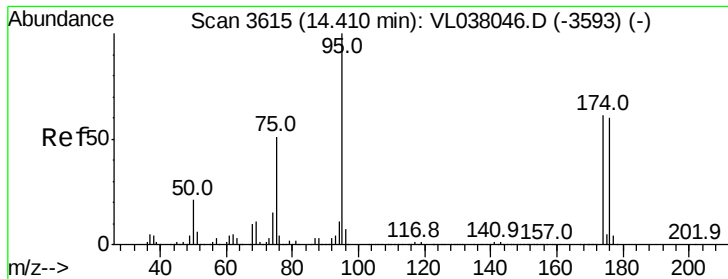
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#61
Styrene
Concen: 0.263 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL038106.D
Acq: 23 Nov 2021 19:19

Tgt Ion:104 Resp: 43190
Ion Ratio Lower Upper
104 100
78 56.7 39.8 59.6
103 54.4 38.2 57.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.936 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Nov 2021 19:19

Tot Ion:

Ion Ratio

95 100

174 62.

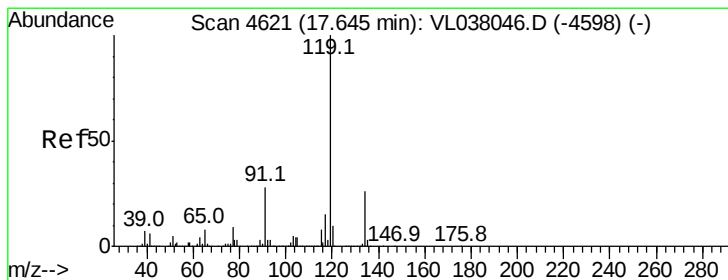
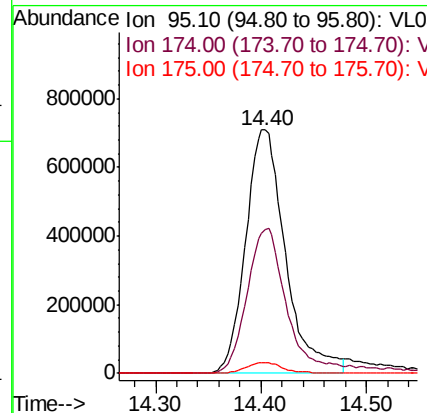
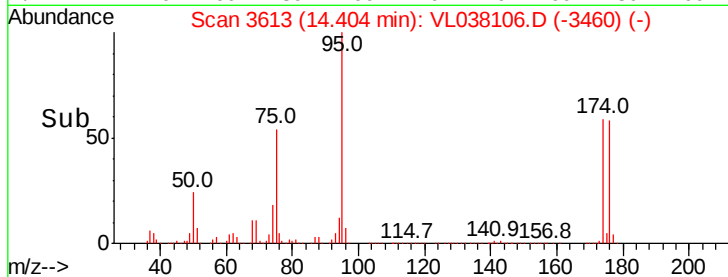
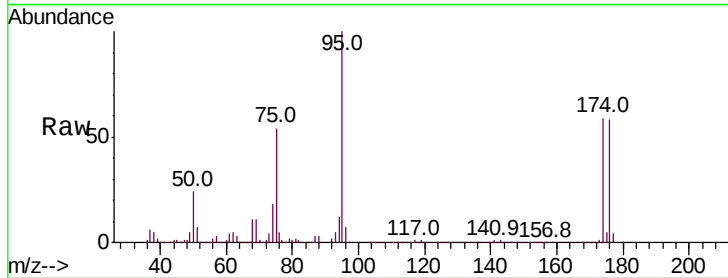
175 4.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#69

p-Isopropyltoluene

Concen: 0.110 ppbv m

RT: 17.64 min Scan# 4619

Delta R.T. -0.01 min

Lab File: VL038106.D

Acq: 23 Nov 2021 19:19

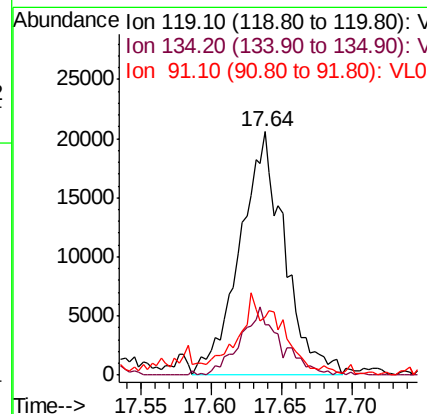
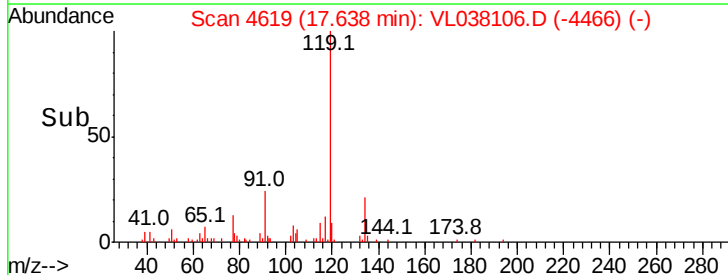
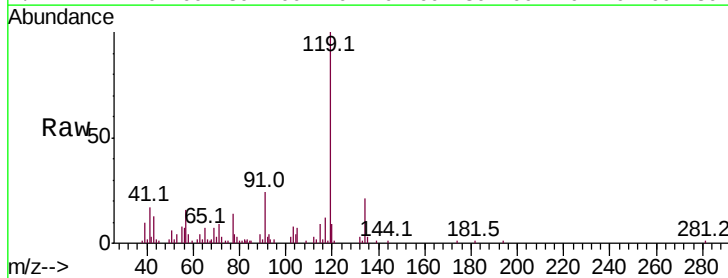
Tgt Ion:119 Resp: 45824

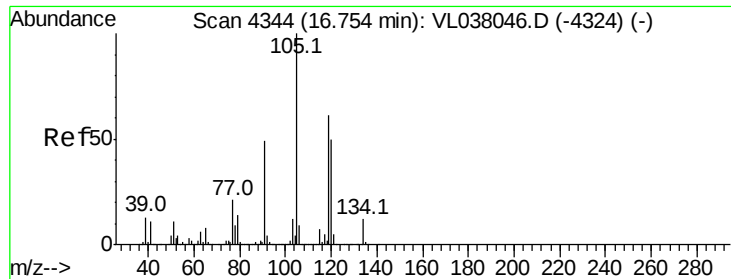
Ion Ratio Lower Upper

119 100

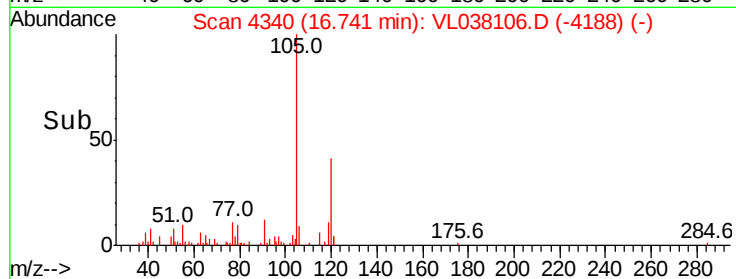
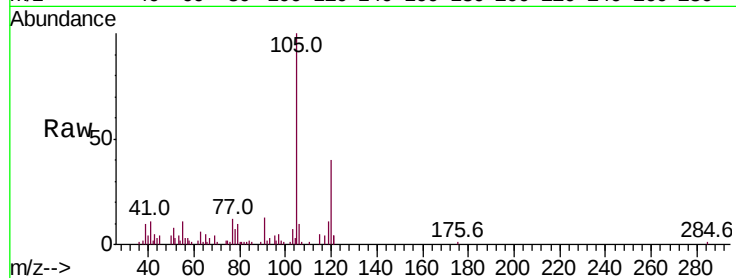
134 25.6 20.6 30.8

91 0.0 22.2 33.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.192 ppbv
 RT: 16.74
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Nov 2021 19:19



Tot Ion:1
 Ion Rati
 105 100
 120 42.
 91 11.
 77 10.8 16.6 25.0#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

