

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038100.D
 Acq On : 23 Nov 2021 15:24
 Operator : SY/AP
 Sample : M4805-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA-ROOK-COFFEE

Manual Integrations
 APPROVED

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

Quant Time: Nov 24 07:45:33 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	939629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2613020	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2215424	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1763606	11.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	33253	0.214 ppbv	96
4) Chloromethane	3.15	50	31415	0.468 ppbv	90
9) Propene	3.03	41	90442m	1.245 ppbv	
10) Heptane	8.12	43	72410	0.403 ppbv	93
11) Trichlorofluoromethane	3.96	101	91689	0.621 ppbv	95
13) Ethanol	3.61	45	5548359	790.045 ppbv	89
15) Acetone	3.85	43	3038581	37.298 ppbv	99
19) Isopropyl Alcohol	3.98	45	4382120	74.446 ppbv	99
20) Methylene Chloride	4.35	84	601196	13.175 ppbv	97
23) Vinyl Acetate	5.06	43	268280	2.275 ppbv #	88
25) Ethyl Acetate	5.68	43	443768	1.639 ppbv #	90
26) Hexane	5.68	57	403926	3.095 ppbv #	61
27) Carbon Disulfide	4.56	76	11935m	0.102 ppbv	
29) Chloroform	5.75	83	52973	0.275 ppbv	87
34) 2-Butanone	5.24	43	235759	2.238 ppbv	98
35) Carbon Tetrachloride	7.02	117	10691m	0.058 ppbv	
36) Benzene	6.89	78	70248	0.270 ppbv #	95
41) Tetrahydrofuran	6.05	42	13684m	0.209 ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	191542	0.439 ppbv	95
50) 4-Methyl-2-Pentanone	8.75	43	23001m	0.144 ppbv	
52) Tetrachloroethene	11.22	164	5948m	0.062 ppbv	
53) Toluene	9.80	91	581081	1.938 ppbv	99
58) Ethyl Benzene	12.70	91	159725	0.436 ppbv	91
59) m/p-Xylene	12.96	91	250209	0.812 ppbv	98
60) o-Xylene	13.68	91	84155	0.294 ppbv	95
61) Styrene	13.52	104	53276	0.348 ppbv	87
74) 1,2,4-Trimethylbenzene	16.75	105	36759	0.118 ppbv #	69

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

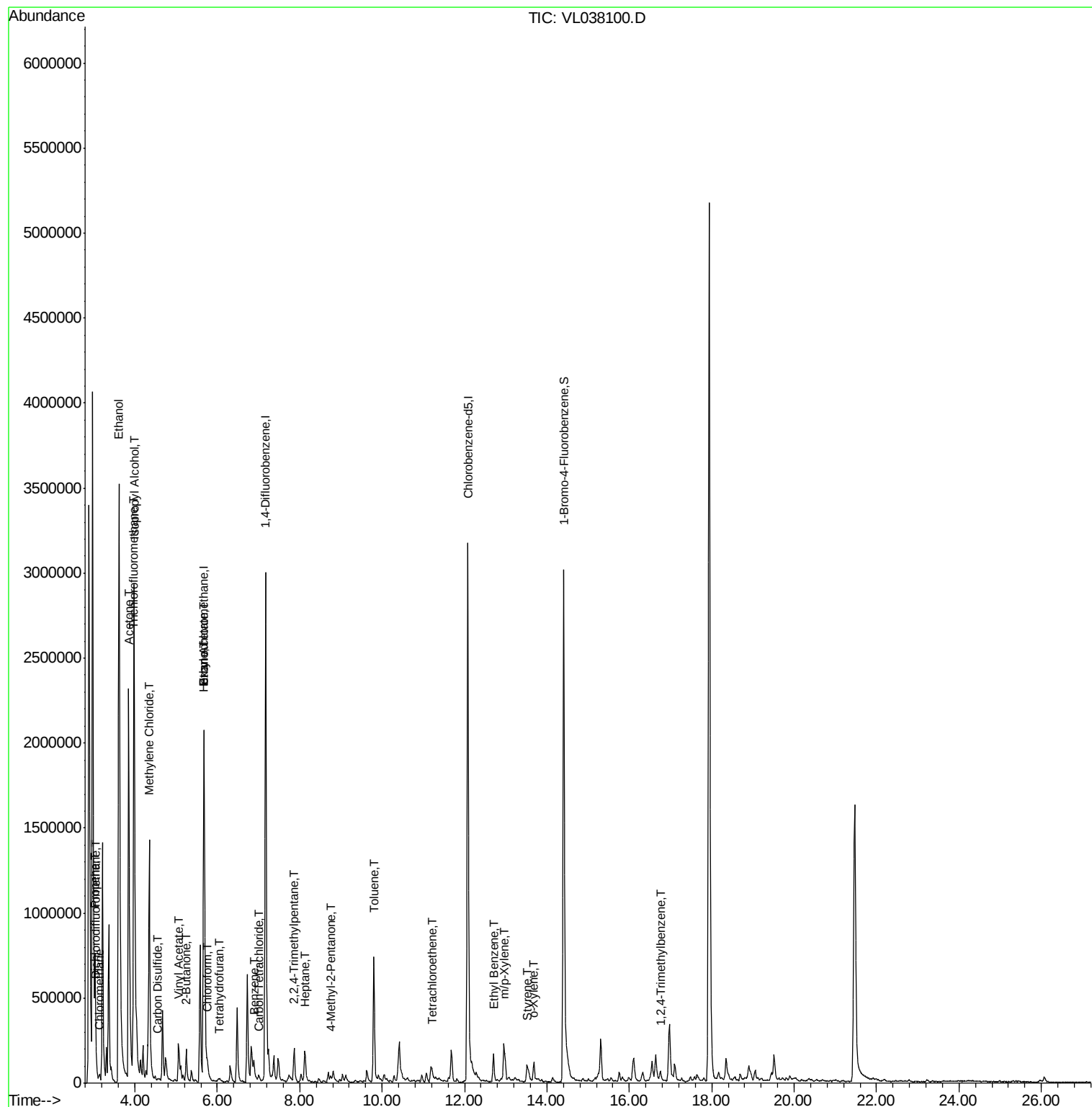
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112321\
Data File : VL038100.D
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ALS Vial : 1 Sample Multiplier: 1

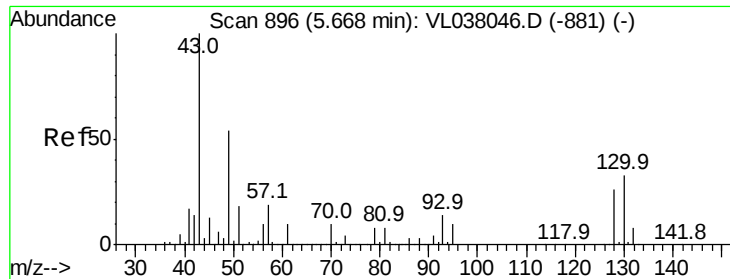
Instrument :
MSVOA_L
ClientSampleId :
IA-ROOK-COFFEE

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Quant Time: Nov 24 07:45:33 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-ROOK-COFFEE

Acq: 23 Nov 2021 15:24

Tot Ion:

Ion Ratio

49 100

128 48.

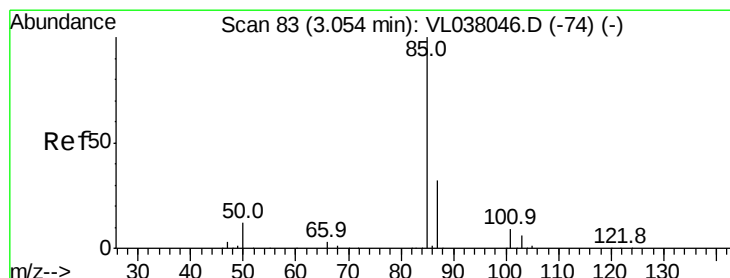
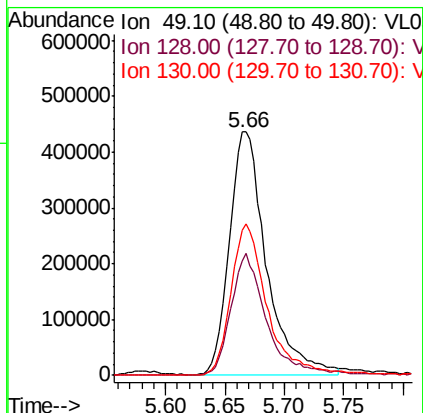
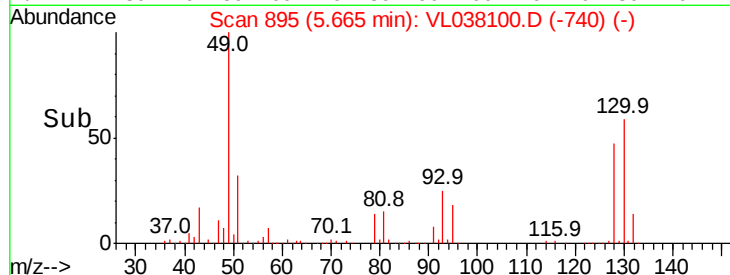
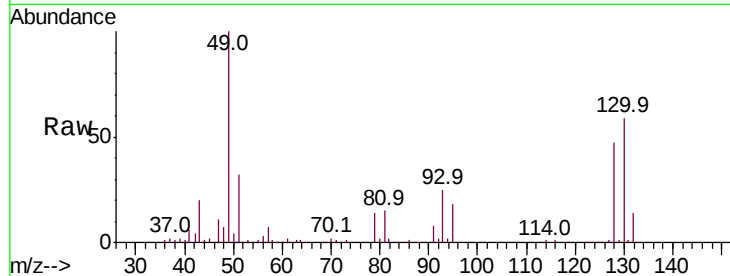
130 62.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.214 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038100.D

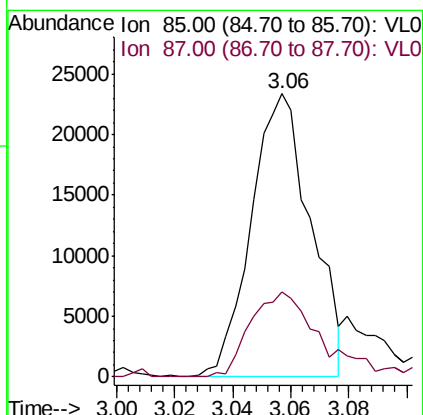
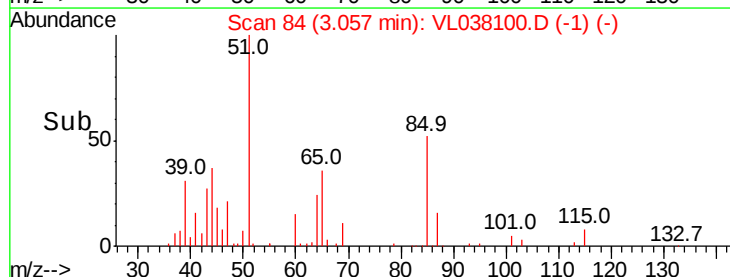
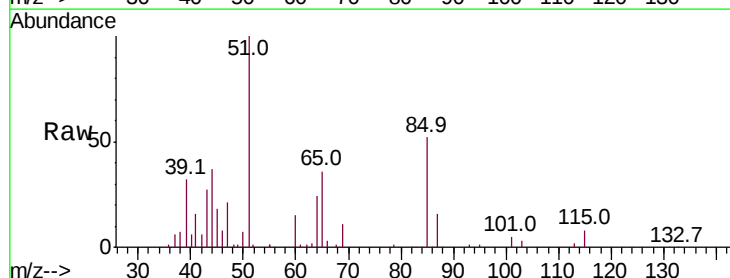
Acq: 23 Nov 2021 15:24

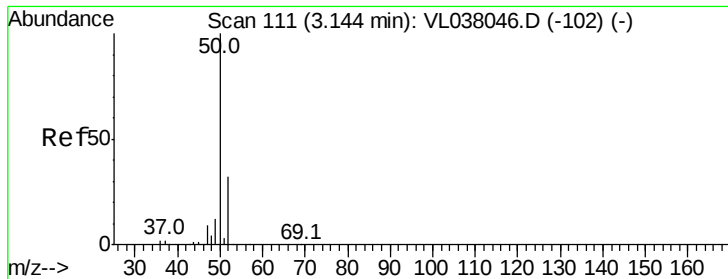
Tgt Ion: 85 Resp: 33253

Ion Ratio Lower Upper

85 100

87 30.1 25.8 38.6





#4

Chloromethane

Concen: 0.468 ppbv

RT: 3.15 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: IA-ROOK-COFFEE

Acq: 23 Nov 2021 15:24

Tot Ion:

Ion Ratio

50 100

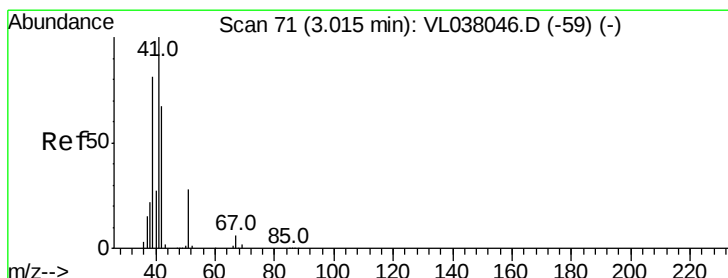
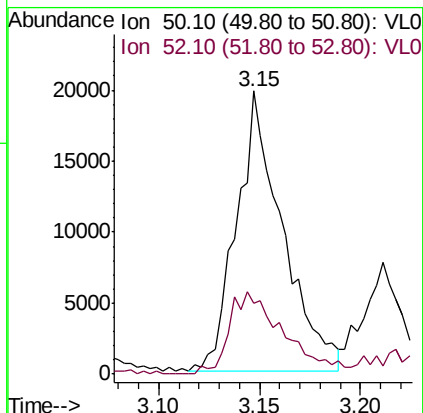
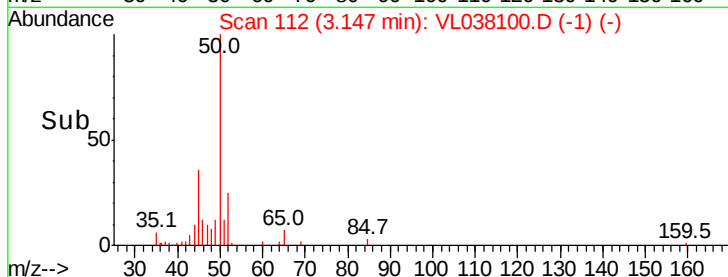
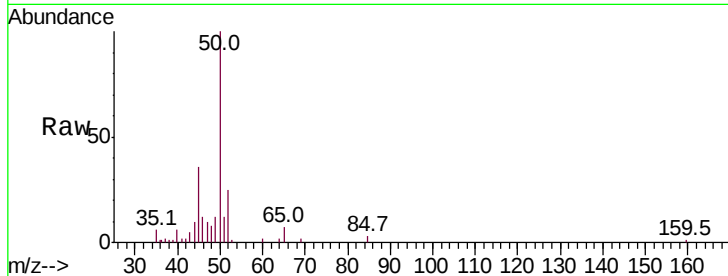
52 26.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#9

Propene

Concen: 1.245 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038100.D

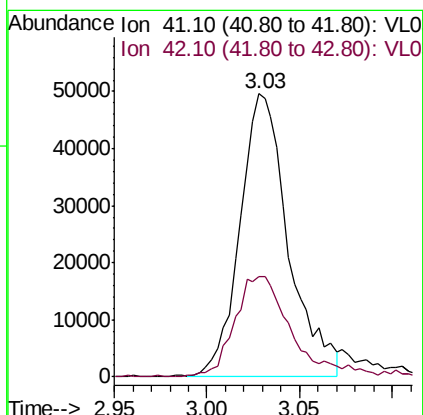
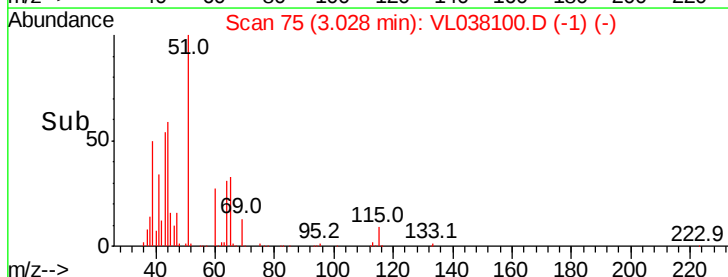
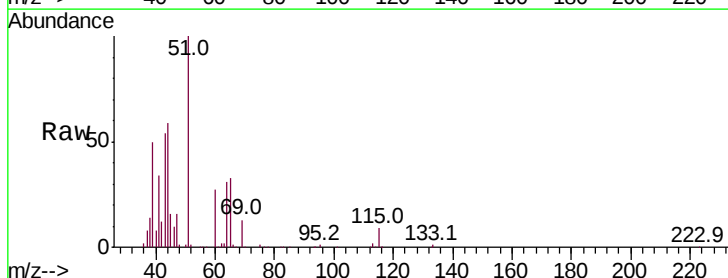
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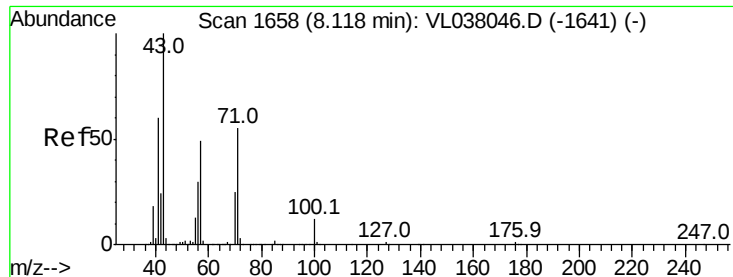
Tgt Ion: 41 Resp: 90442

Ion Ratio Lower Upper

41 100

42 380.3 53.8 80.8#



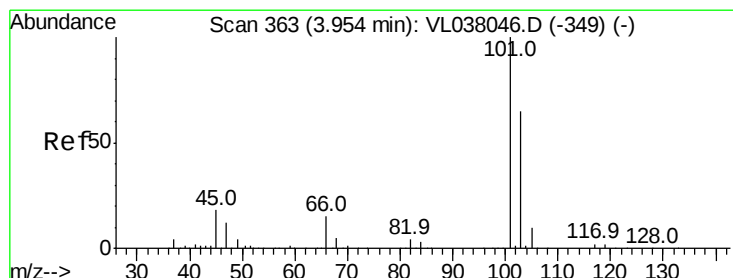
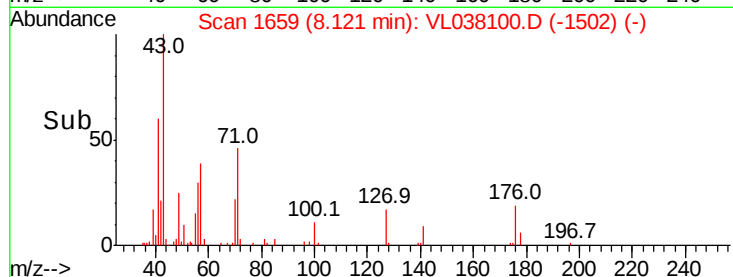
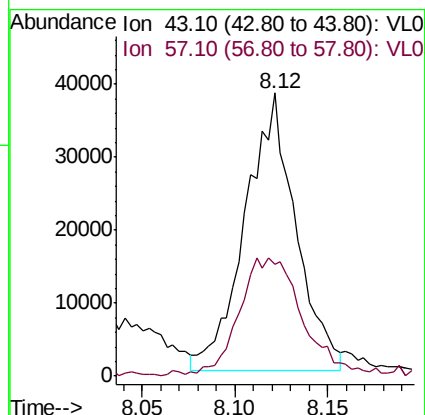
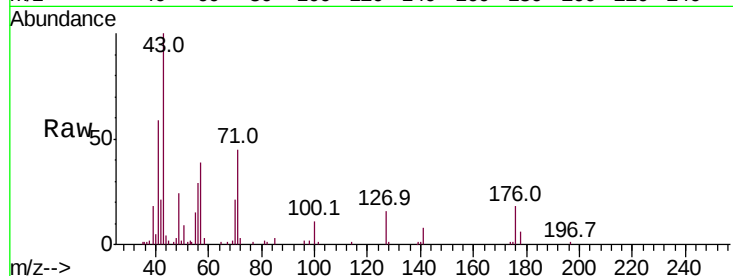


#10
Heptane
Concen: 0.403 ppbv
RT: 8.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
43 100
57 55.

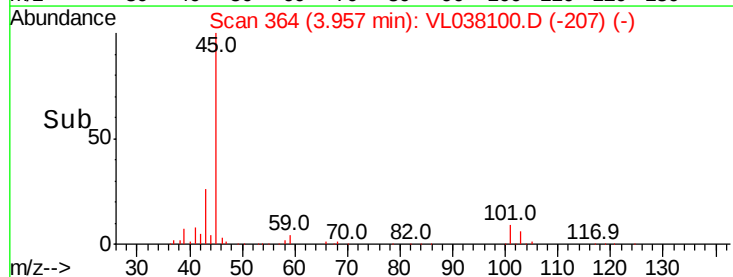
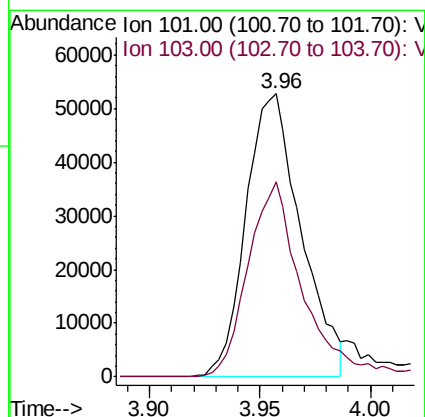
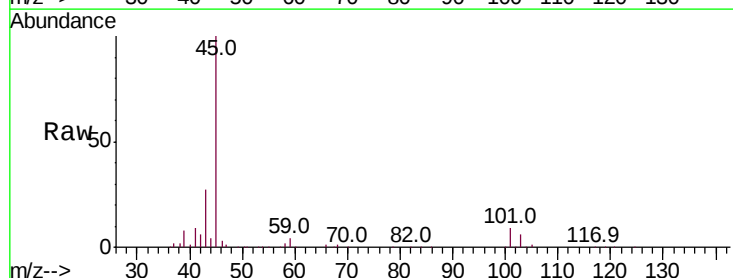
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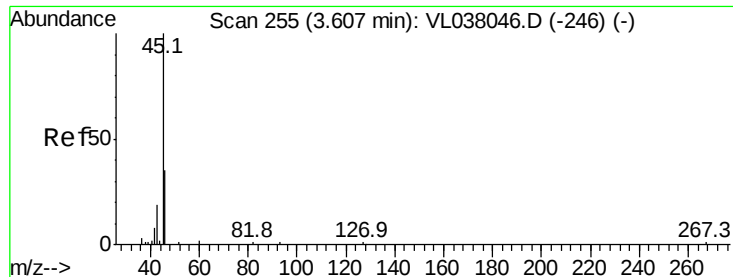
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#11
Trichlorofluoromethane
Concen: 0.621 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion:101 Resp: 91689
Ion Ratio Lower Upper
101 100
103 69.0 51.8 77.6



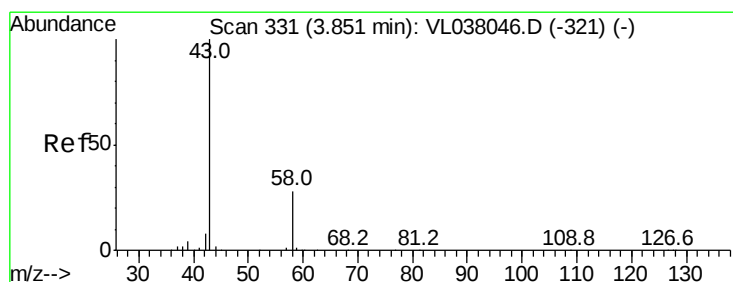
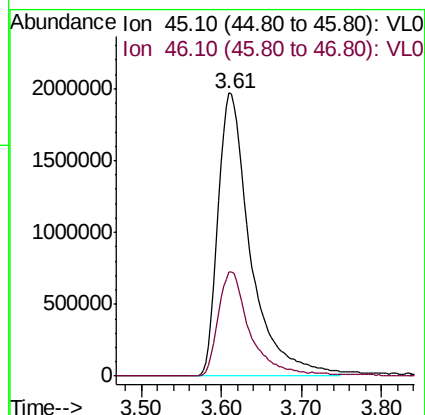
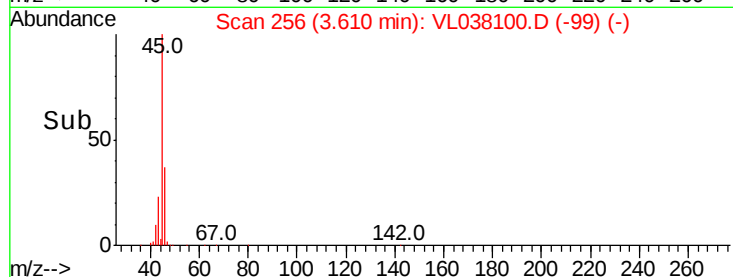
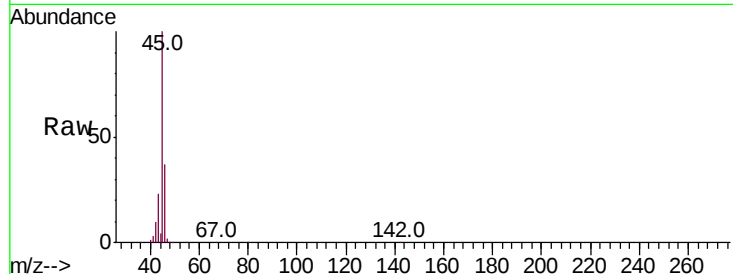


#13
Ethanol
Concen: 790.045 ppbv
RT: 3.61
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
45 100
46 37.

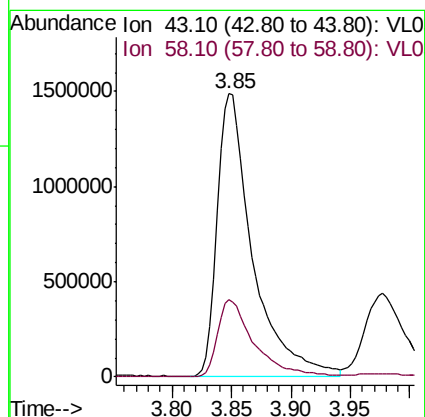
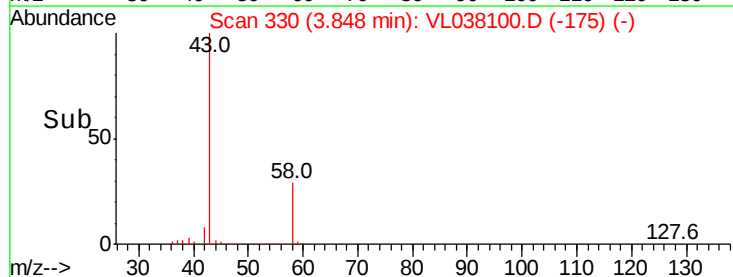
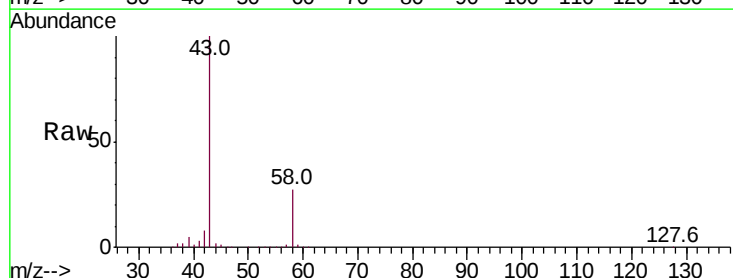
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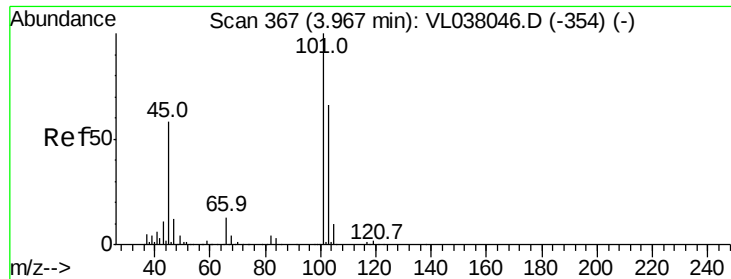
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#15
Acetone
Concen: 37.298 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion: 43 Resp: 3038581
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6





#19

Isopropyl Alcohol

Concen: 74.446 ppbv

RT: 3.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 15:24

Tot Ion:

Ion Ratio

45 100

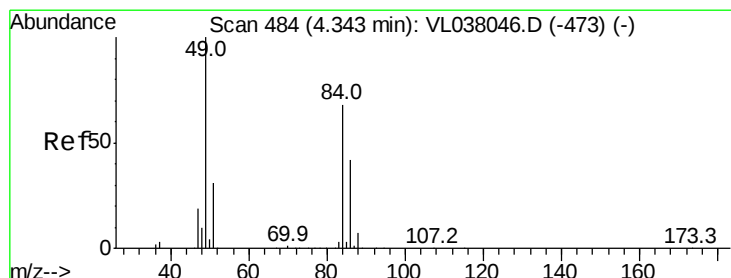
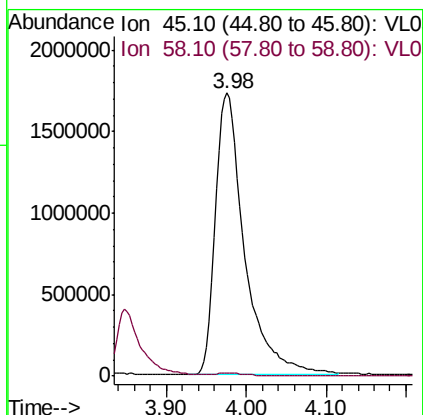
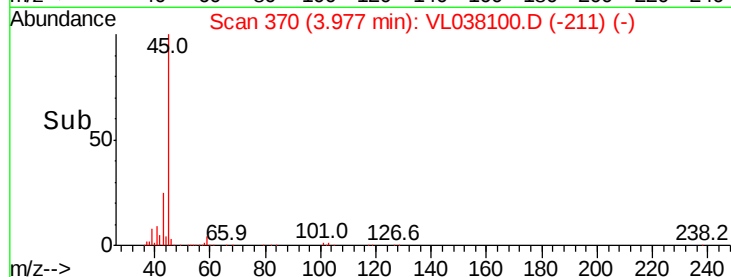
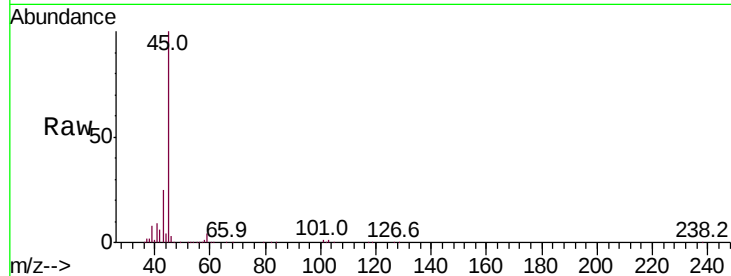
58 1.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#20

Methylene Chloride

Concen: 13.175 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038100.D

Acq: 23 Nov 2021 15:24

Tgt Ion: 84 Resp: 601196

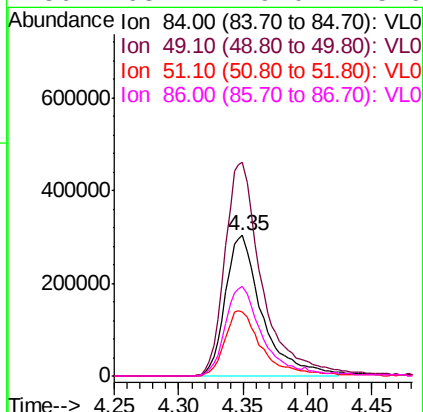
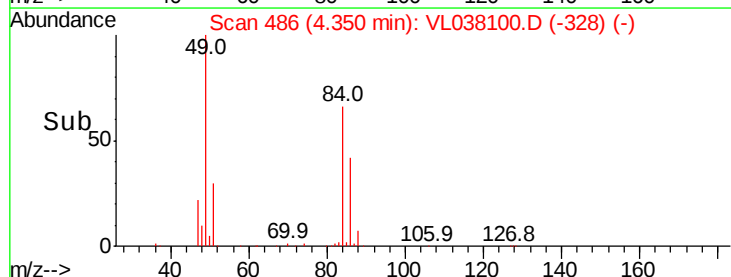
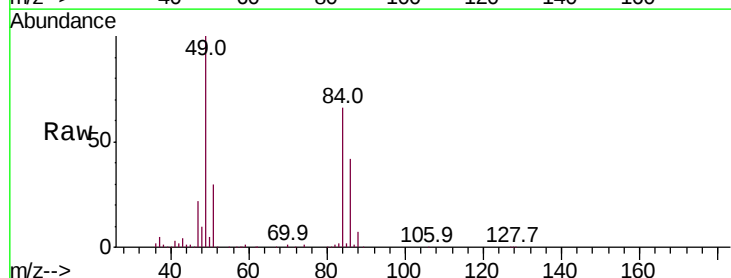
Ion Ratio Lower Upper

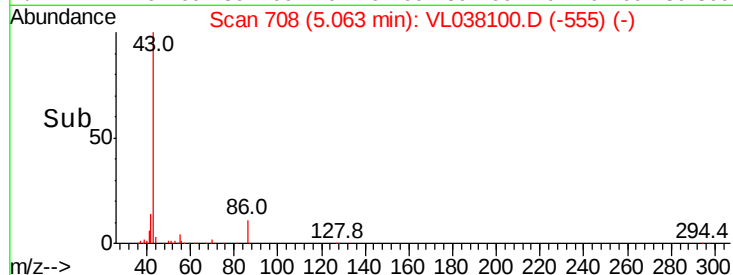
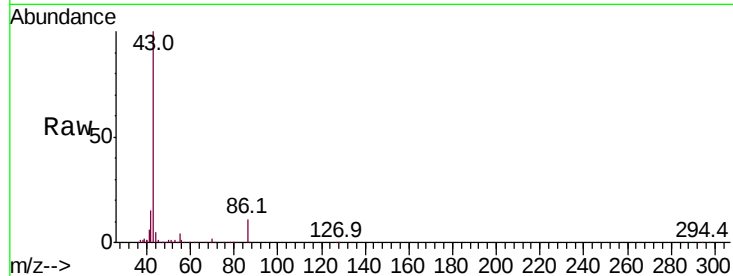
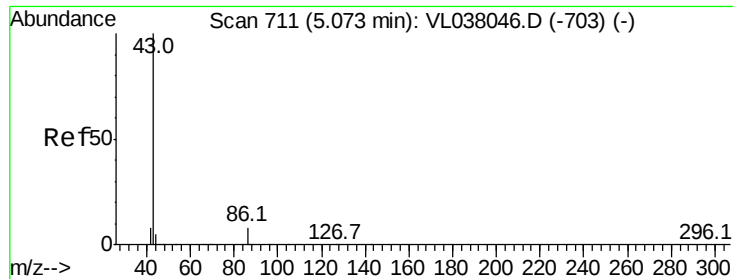
84 100

49 152.0 118.2 177.2

51 45.4 36.8 55.2

86 63.7 49.0 73.6



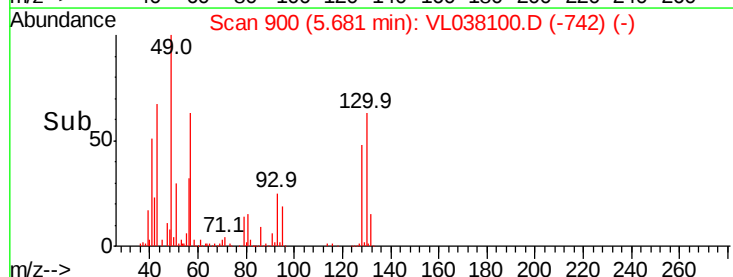
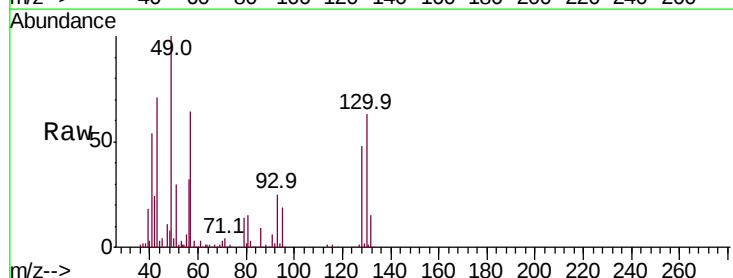
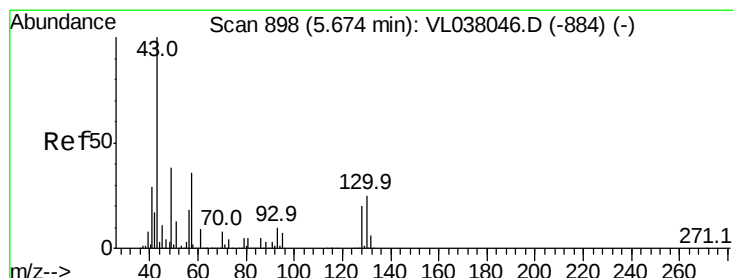
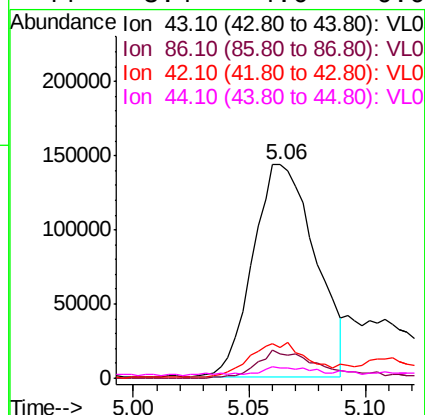


#23
Vinvl Acetate
Concen: 2.275 ppbv
RT: 5.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
43 100
86 11.
42 14.
44 3.4 4.0 6.0#

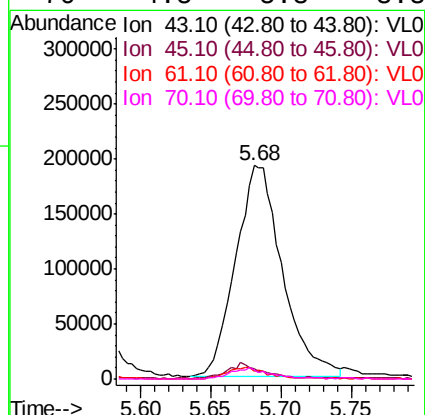
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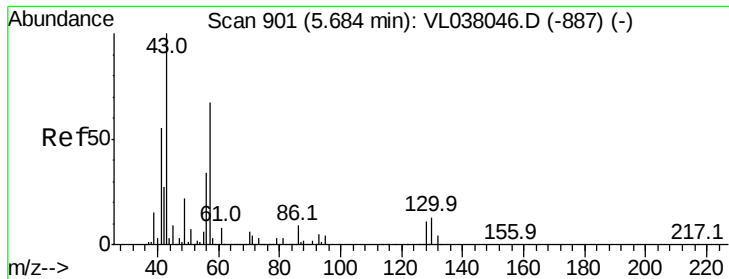
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#25
Ethyl Acetate
Concen: 1.639 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion: 43 Resp: 443768
Ion Ratio Lower Upper
43 100
45 6.7 7.9 11.9#
61 5.0 7.8 11.6#
70 4.5 5.8 8.8#





#26

Hexane

Concen: 3.095 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 15:24

Tot Ion:

Ion Ratio

57 100

41 89.

43 114.

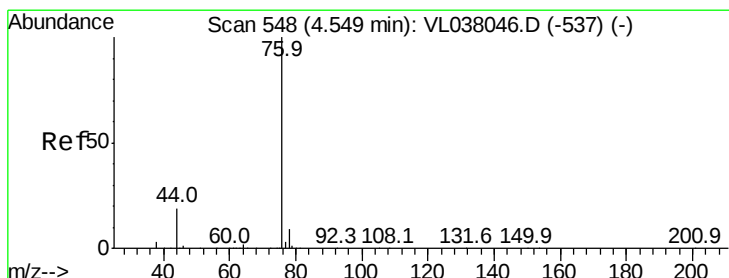
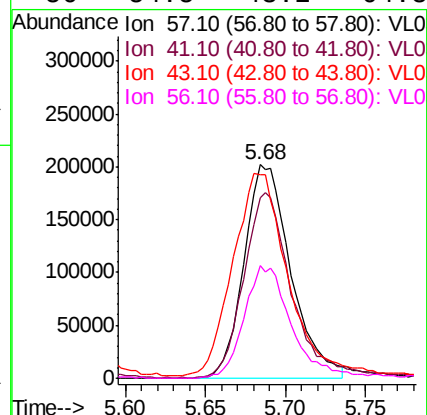
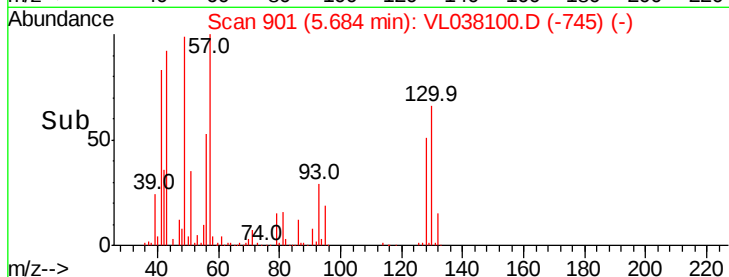
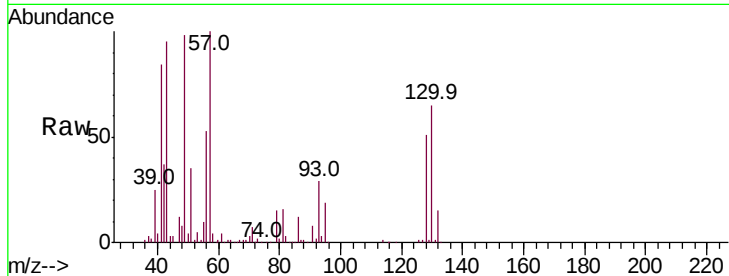
56 54.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#27

Carbon Disulfide

Concen: 0.102 ppbv m

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL038100.D

Acq: 23 Nov 2021 15:24

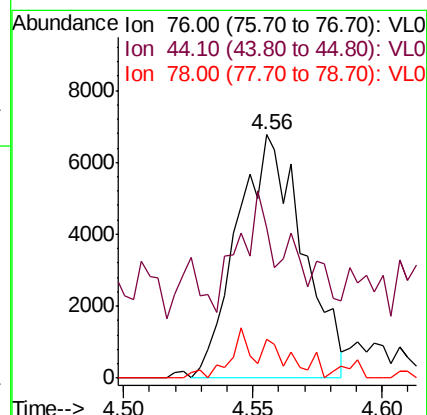
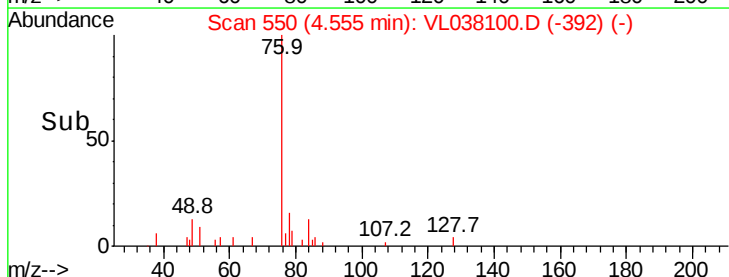
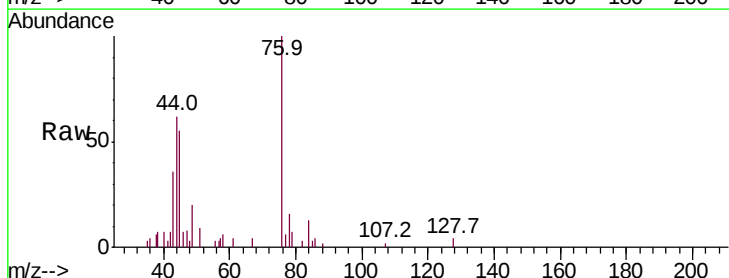
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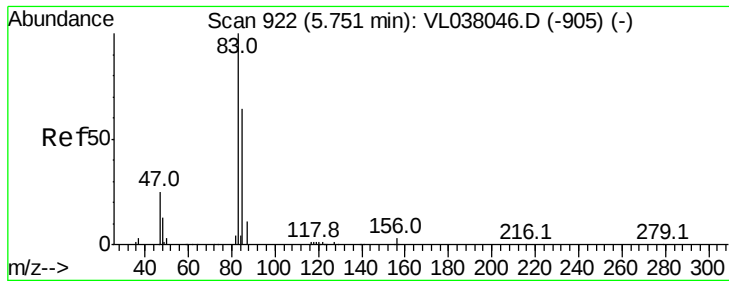
Ion Ratio Lower Upper

76 100

44 0.0 14.9 22.3#

78 13.5 7.6 11.4#



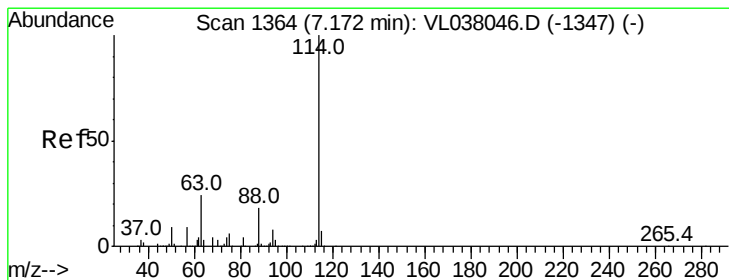
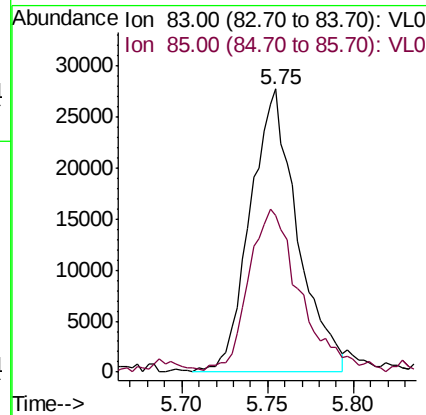
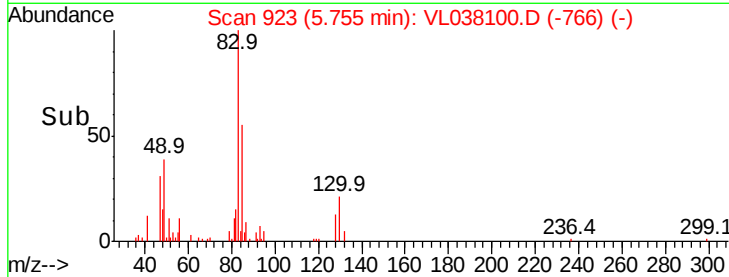
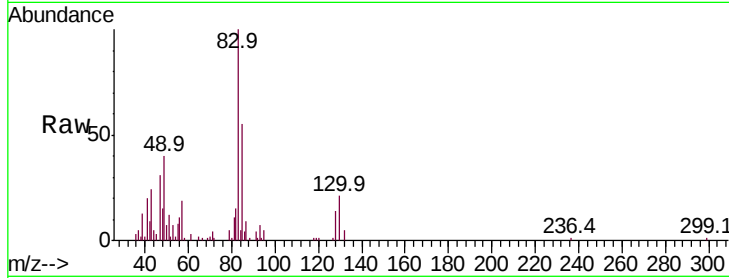


#29
Chloroform
Concen: 0.275 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
83 100
85 53.

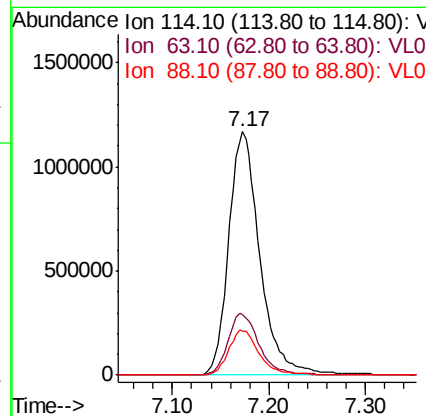
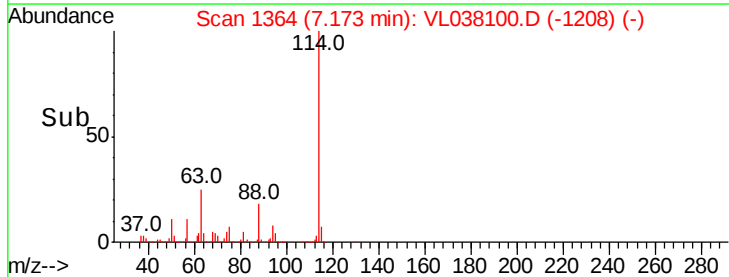
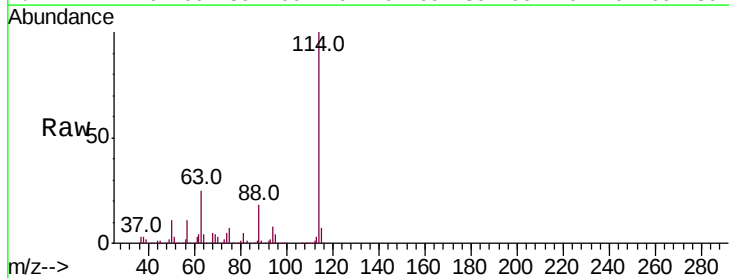
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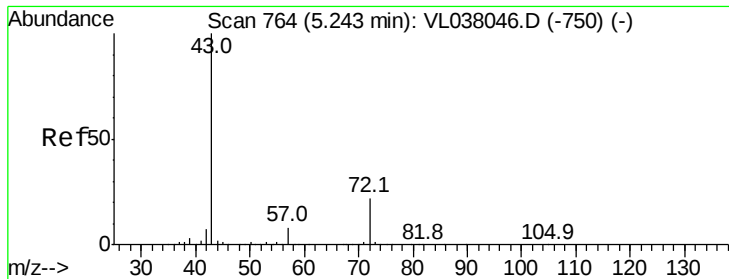
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion:114 Resp: 2613020
Ion Ratio Lower Upper
114 100
63 25.8 19.7 29.5
88 18.6 14.4 21.6



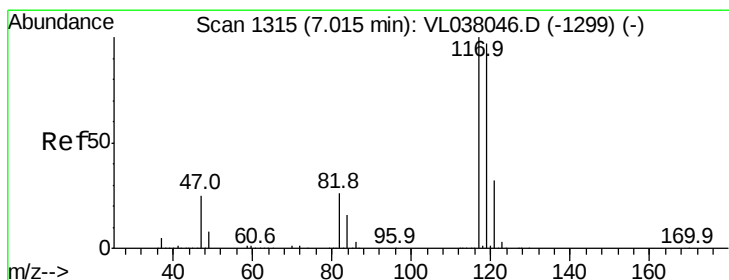
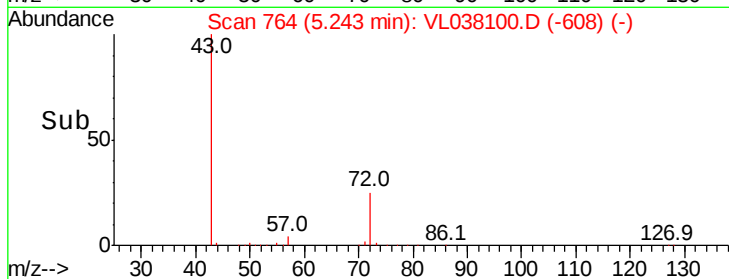
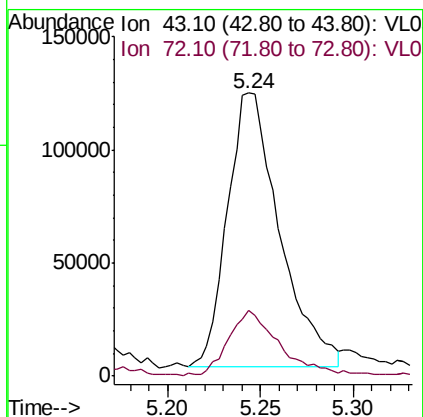
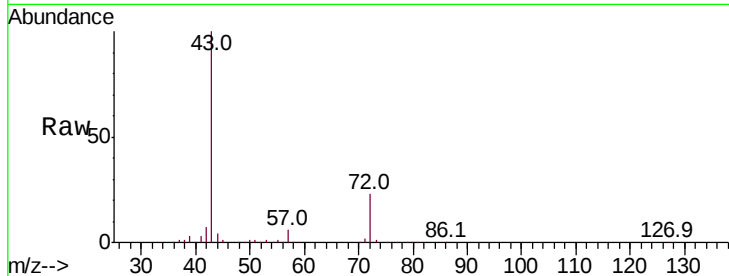


#34
2-Butanone
Concen: 2.238 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Rati
43 100
72 24.

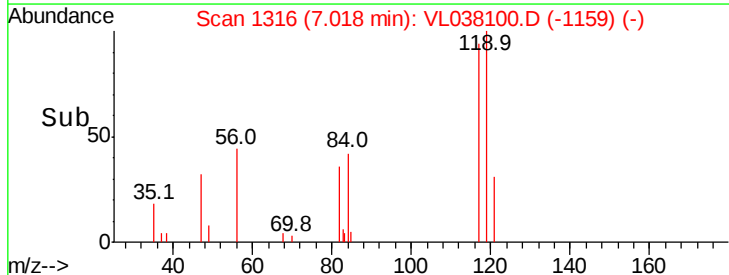
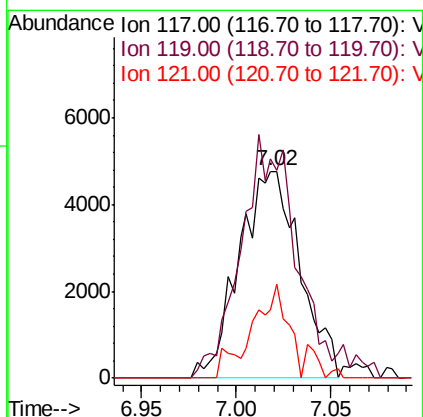
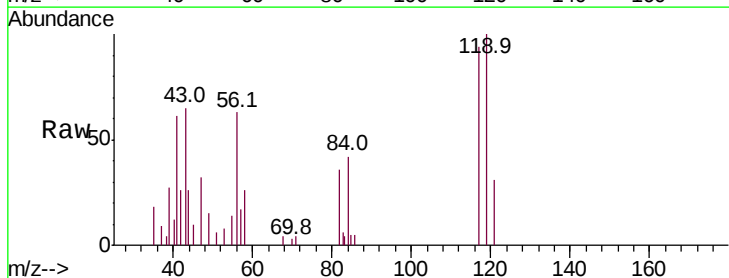
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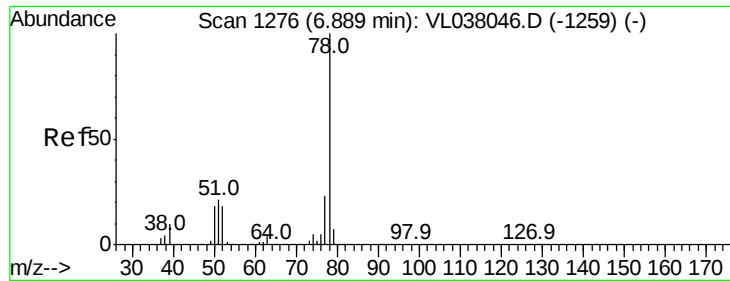
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion:117 Resp: 10691
Ion Ratio Lower Upper
117 100
119 105.9 77.7 116.5
121 32.9 25.6 38.4



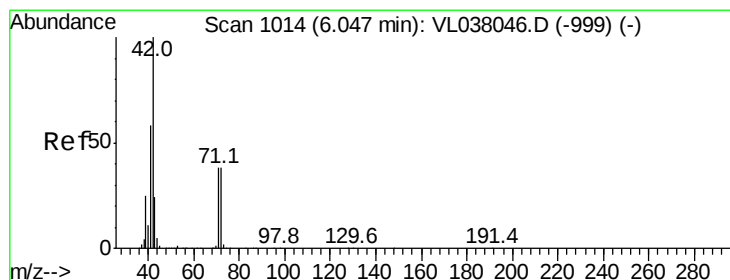
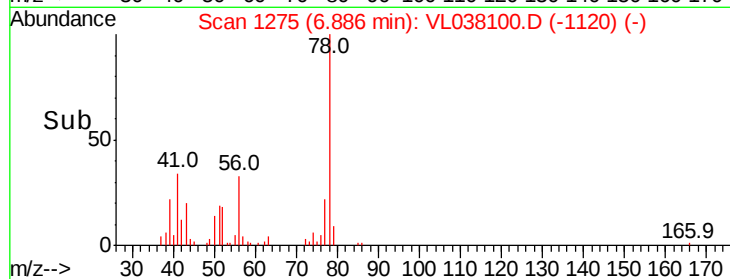
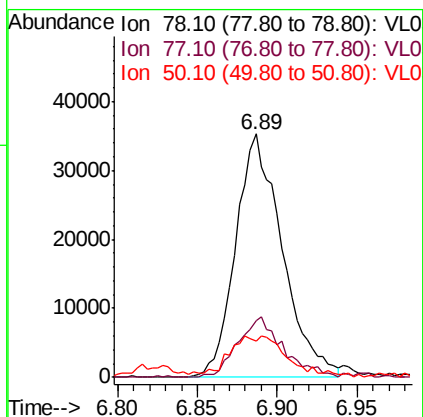
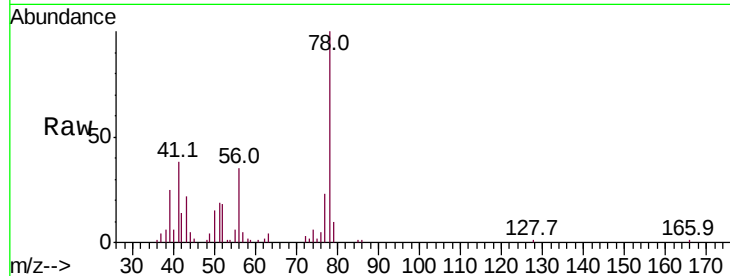


#36
Benzene
Concen: 0.270 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
78 100
77 23.
50 13.

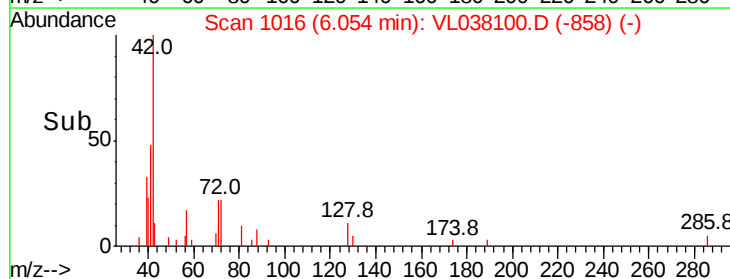
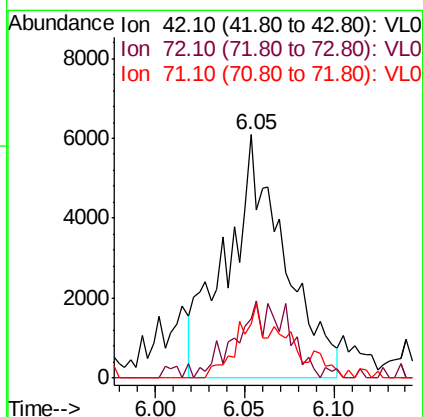
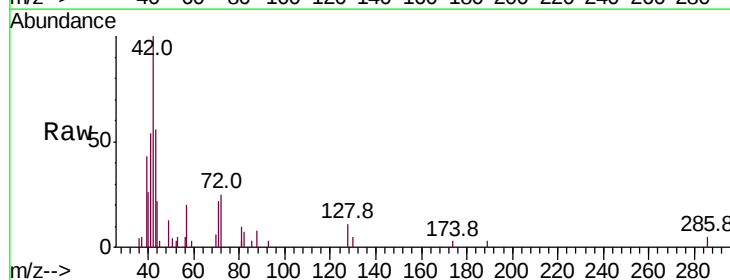
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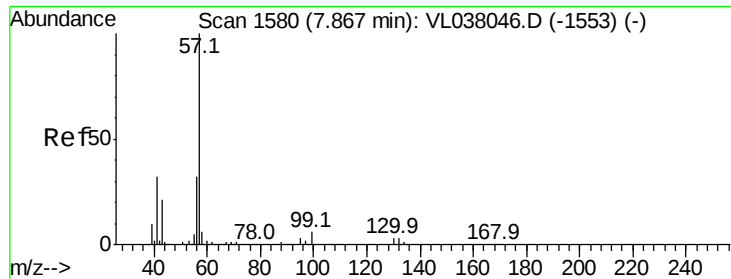
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#41
Tetrahydrofuran
Concen: 0.209 ppbv m
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion: 42 Resp: 13684
Ion Ratio Lower Upper
42 100
72 31.4 31.7 47.5#
71 25.2 30.6 46.0#



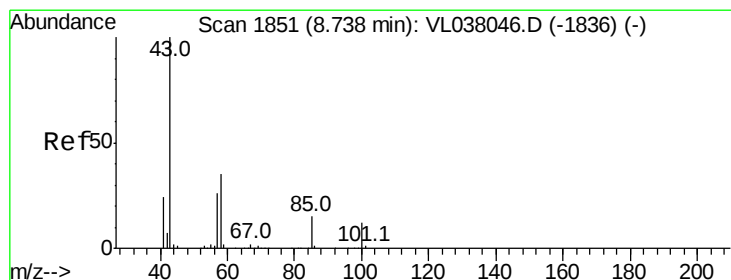
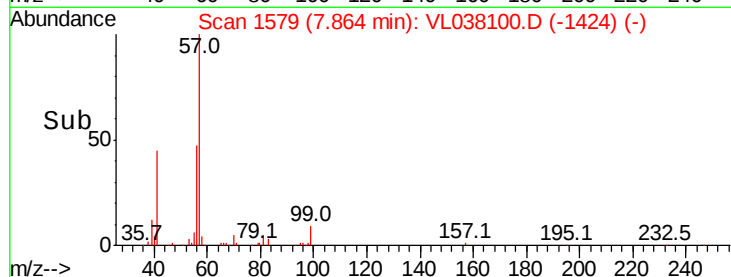
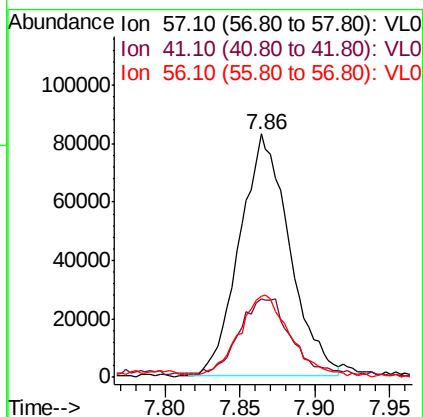
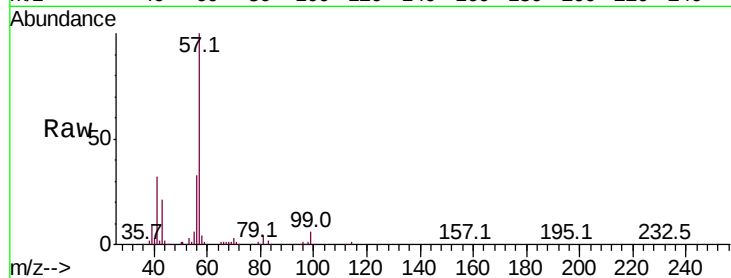


#44
 2,2,4-Trimethylpentane
 Concen: 0.439 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 23 Nov 2021 15:24

Tot Ion:
 Ion Ratio
 57 100
 41 34.
 56 35.

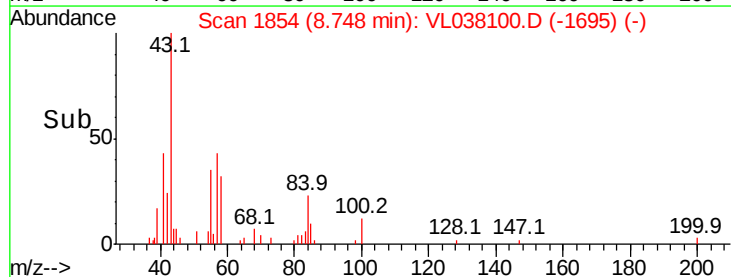
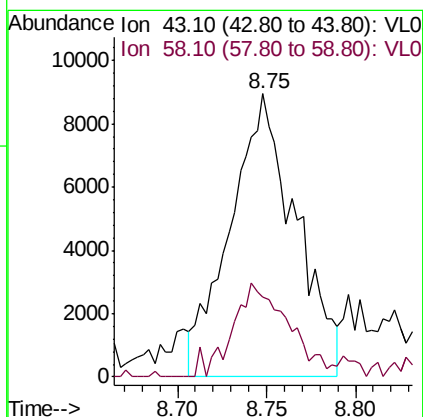
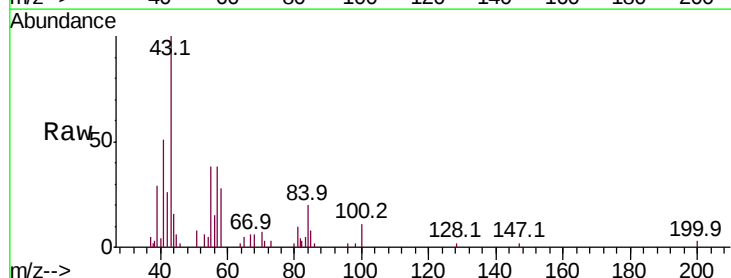
Manual Integrations
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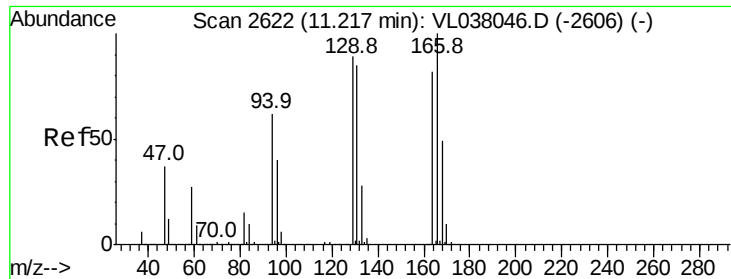
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#50
 4-Methyl-2-Pentanone
 Concen: 0.144 ppbv m
 RT: 8.75 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VL038100.D
 Acq: 23 Nov 2021 15:24

Tgt Ion: 43 Resp: 23001
 Ion Ratio Lower Upper
 43 100
 58 31.0 29.4 44.2





#52

Tetrachloroethene

Concen: 0.062 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 15:24

Tot Ion:1

Ion Rati

164 100

166 94.

129 65.

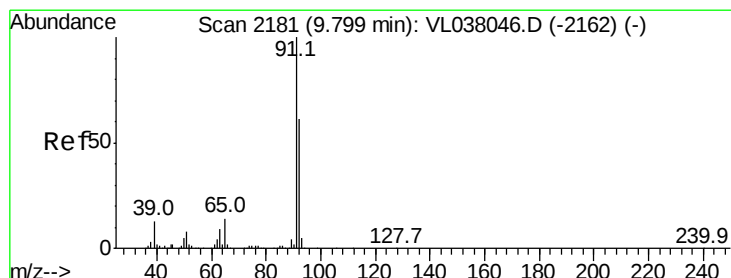
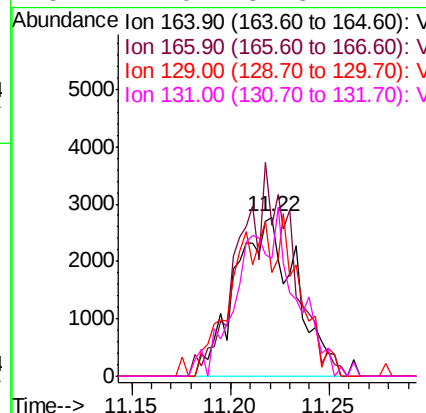
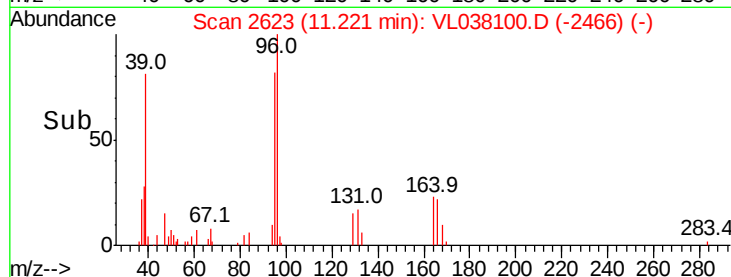
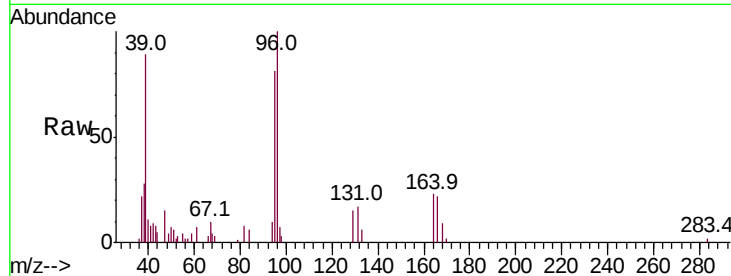
131 74.0 82.8 124.2#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#53

Toluene

Concen: 1.938 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL038100.D

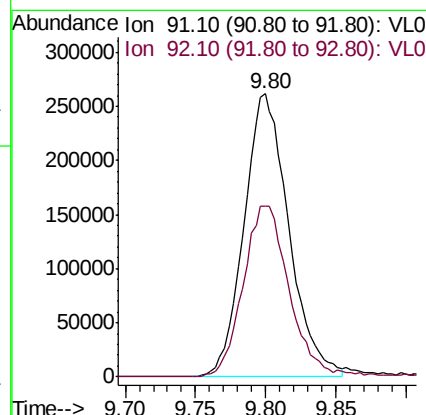
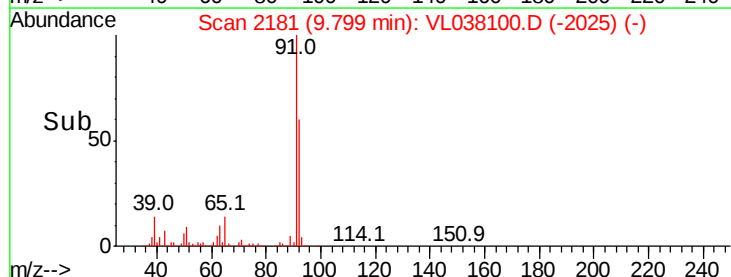
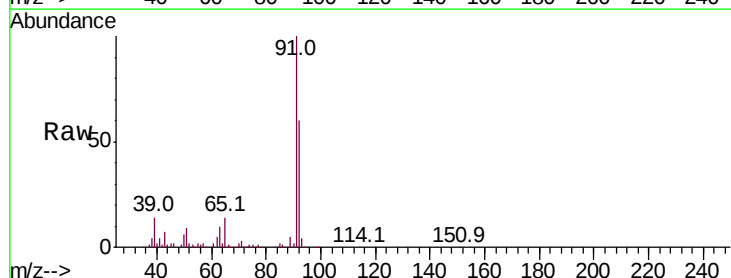
Acq: 23 Nov 2021 15:24

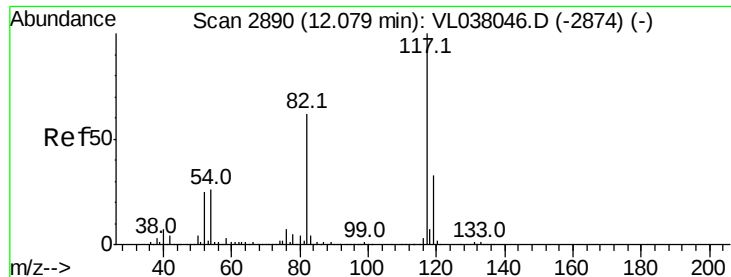
Tgt Ion: 91 Resp: 581081

Ion Ratio Lower Upper

91 100

92 62.6 49.7 74.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Nov 2021 15:24

Tot Ion:1

Ion Rati

117 100

82 72.

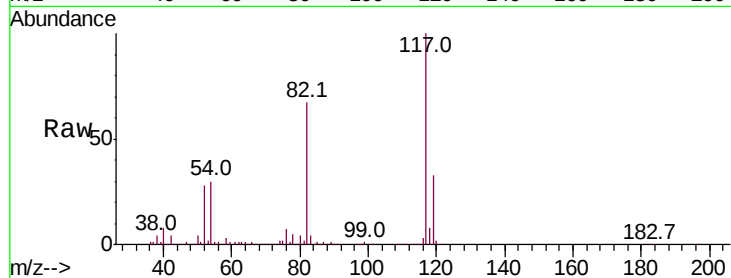
119 35.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

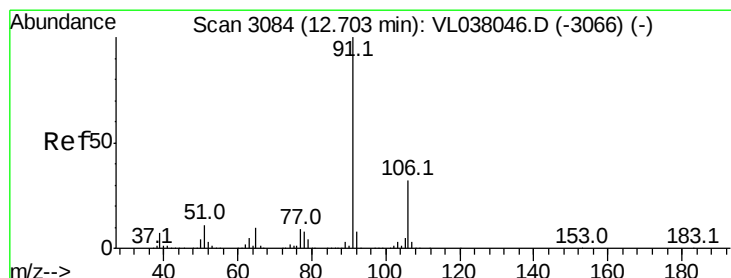
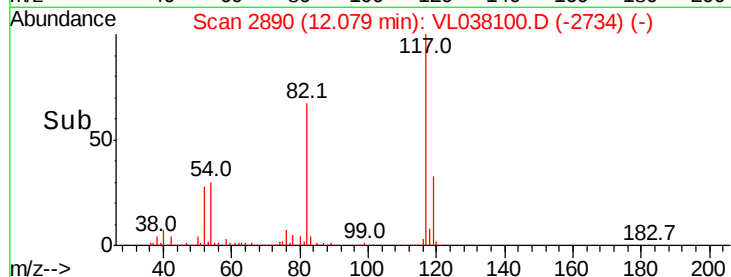
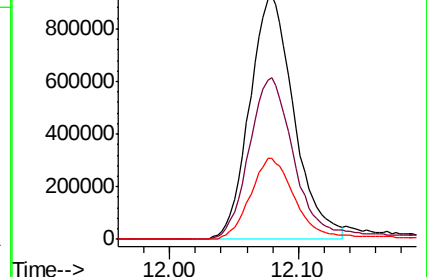
Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.436 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038100.D

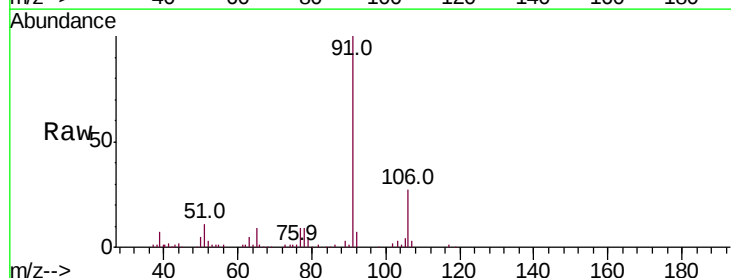
Acq: 23 Nov 2021 15:24

Tgt Ion: 91 Resp: 159725

Ion Ratio Lower Upper

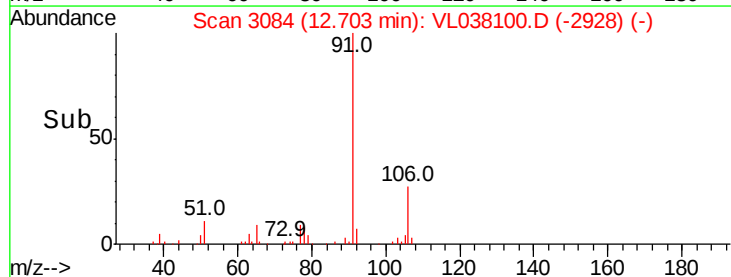
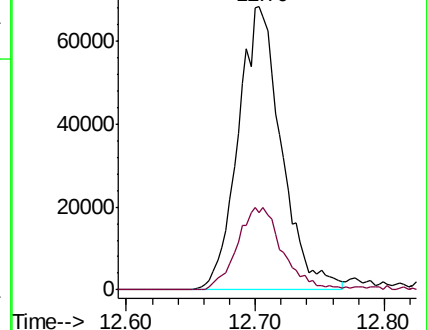
91 100

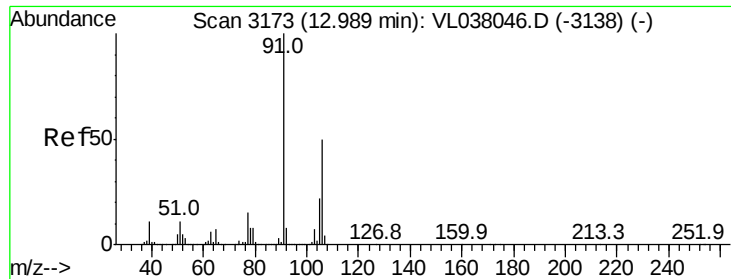
106 27.2 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



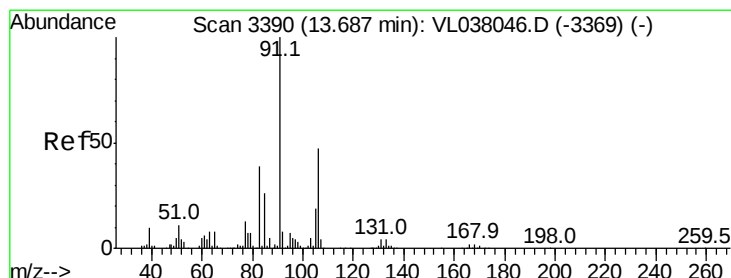
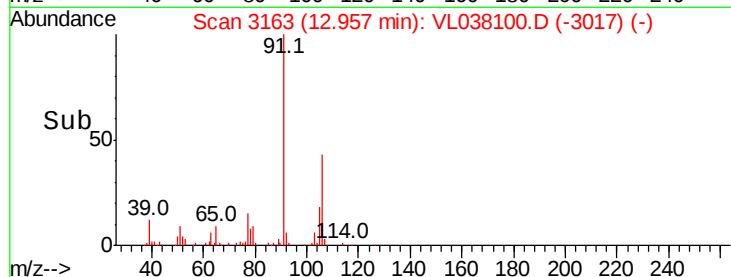
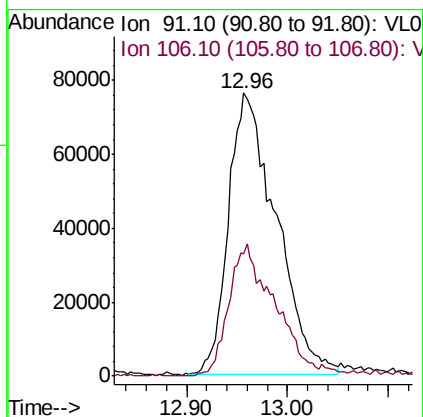
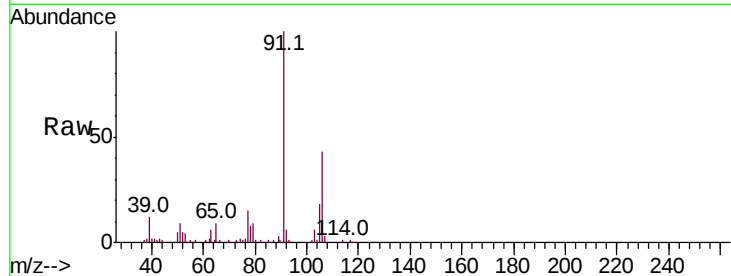


#59
m/p-Xylene
Concen: 0.812 ppbv
RT: 12.96 min
Delta R.T. MSVOA_1
Lab File: ClientSampled :
Acq: 23 Nov 2021 15:24

Tot Ion:
Ion Ratio
91 100
106 46.

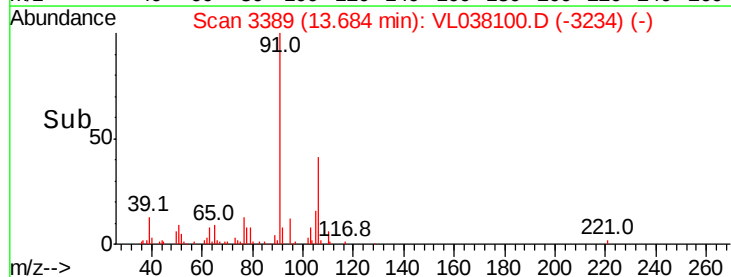
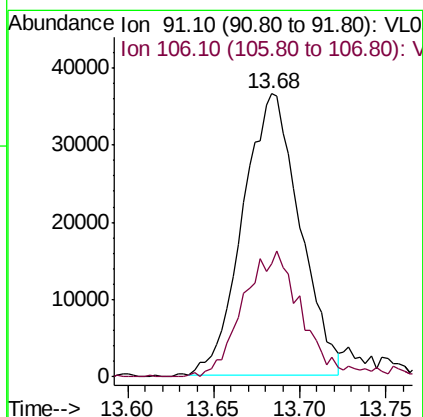
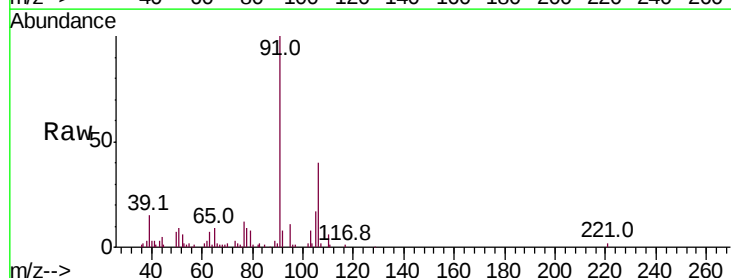
Manual Integrations
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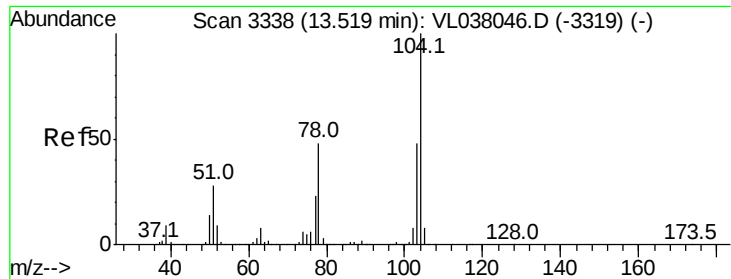
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 0.294 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion: 91 Resp: 84155
Ion Ratio Lower Upper
91 100
106 45.0 24.2 72.6



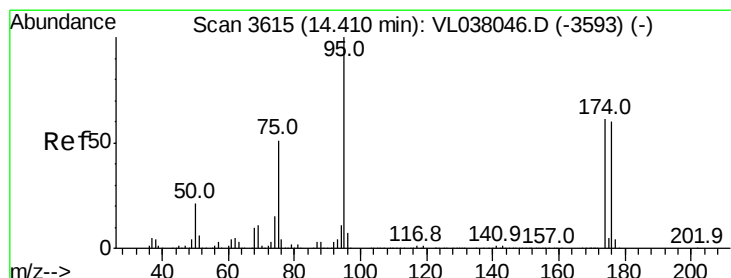
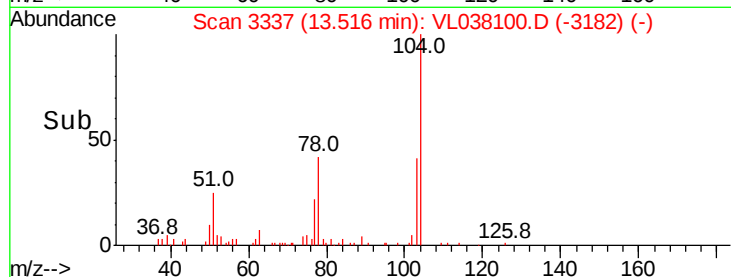
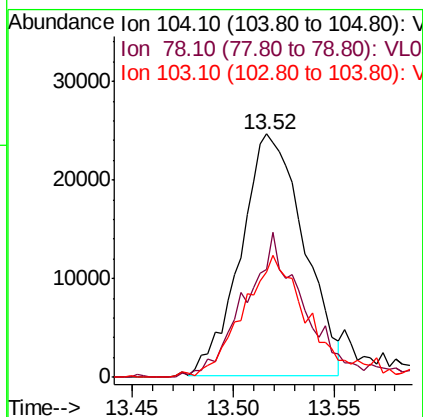
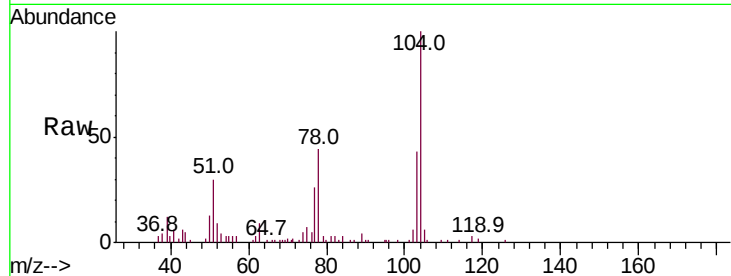


#61
Stvrene
Concen: 0.348 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 23 Nov 2021 15:24

Tot Ion:1
Ion Rati
104 100
78 58.
103 56.

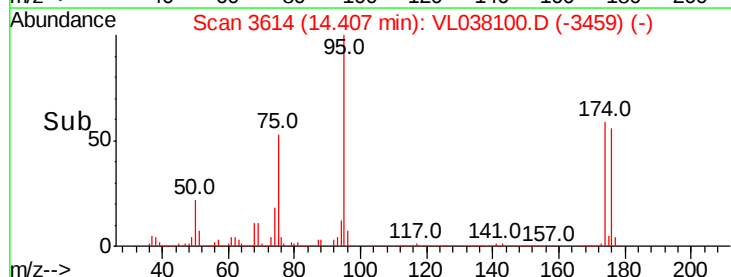
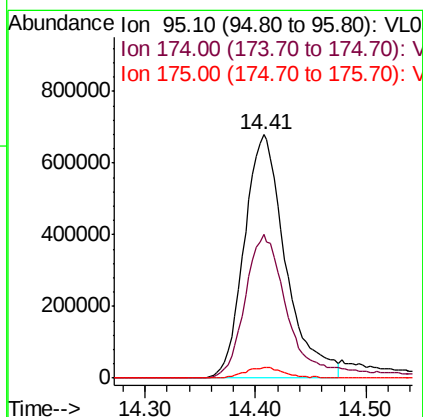
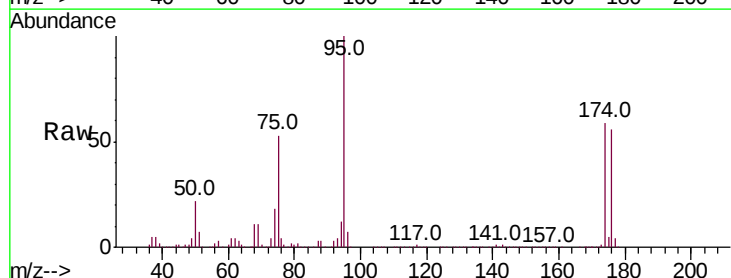
Manual Integrations
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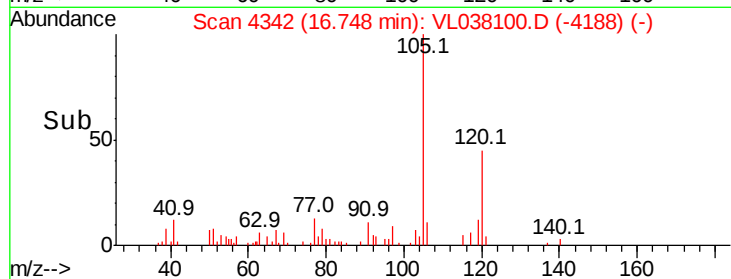
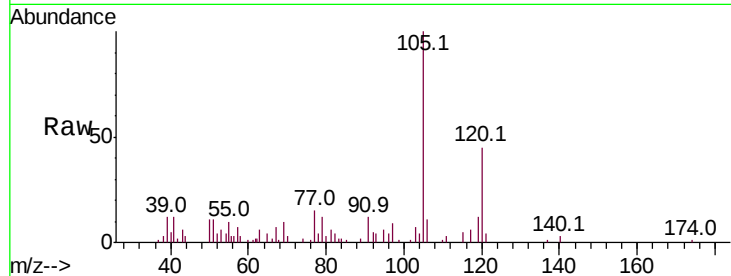
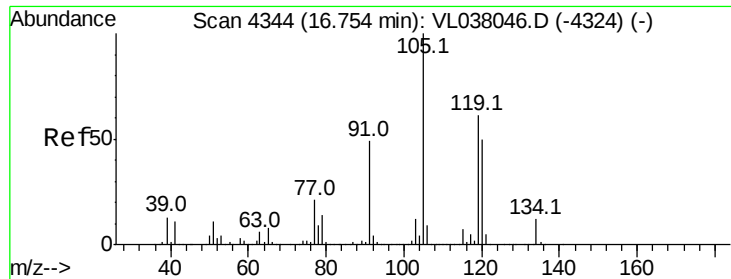
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 11.036 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.00 min
Lab File: VL038100.D
Acq: 23 Nov 2021 15:24

Tgt Ion: 95 Resp: 1763606
Ion Ratio Lower Upper
95 100
174 64.7 53.1 79.7
175 4.7 4.0 6.0





#74
 1,2,4-Trimethylbenzene
 Concen: 0.118 ppbv
 RT: 16.75
 Delta R.T: MSVOA_1
 Lab File: ClientSampleId :
 IA-ROOK-COFFEE
 Acq: 23 Nov 2021 15.24

Tot Ion:1
 Ion Rati
 105 100
 120 43.
 91 10.
 77 12.1 16.6 25.0#

Manual Integrations APPROVED

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

