

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038304.D
 Acq On : 27 Jan 2022 20:00
 Operator : SY/AP
 Sample : N1308-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 06:10:12 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	808967	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	1992064	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1680271	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1243845	9.75	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	82167	0.477	ppbv	96
3) Chlorodifluoromethane	2.99	51	37108m	0.230	ppbv	
4) Chloromethane	3.13	50	21396	0.386	ppbv	97
9) Propene	3.02	41	99886m	1.905	ppbv	
10) Heptane	8.10	43	33994	0.252	ppbv	90
11) Trichlorofluoromethane	3.94	101	25154	0.187	ppbv	93
13) Ethanol	3.59	45	3222324	572.559	ppbv	97
15) Acetone	3.84	43	928844	13.025	ppbv	99
19) Isopropyl Alcohol	3.96	45	74175m	1.663	ppbv	
20) Methylene Chloride	4.33	84	938738	22.633	ppbv	97
26) Hexane	5.67	57	138692	1.493	ppbv #	54
29) Chloroform	5.74	83	16654m	0.110	ppbv	
34) 2-Butanone	5.23	43	154429	2.371	ppbv	99
35) Carbon Tetrachloride	7.00	117	9157m	0.065	ppbv	
36) Benzene	6.87	78	93686	0.532	ppbv	94
37) 1,2-Dichloroethane	6.29	62	21801	0.216	ppbv #	92
44) 2,2,4-Trimethylpentane	7.85	57	68777m	0.221	ppbv	
52) Tetrachloroethene	11.19	164	5133m	0.085	ppbv	
53) Toluene	9.78	91	352420	1.807	ppbv	99
58) Ethyl Benzene	12.69	91	37492	0.152	ppbv #	80
59) m/p-Xylene	12.94	91	91103m	0.432	ppbv	
60) o-Xylene	13.67	91	44267m	0.226	ppbv	
61) Styrene	13.50	104	24805m	0.271	ppbv	
74) 1,2,4-Trimethylbenzene	16.73	105	25873m	0.133	ppbv	

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

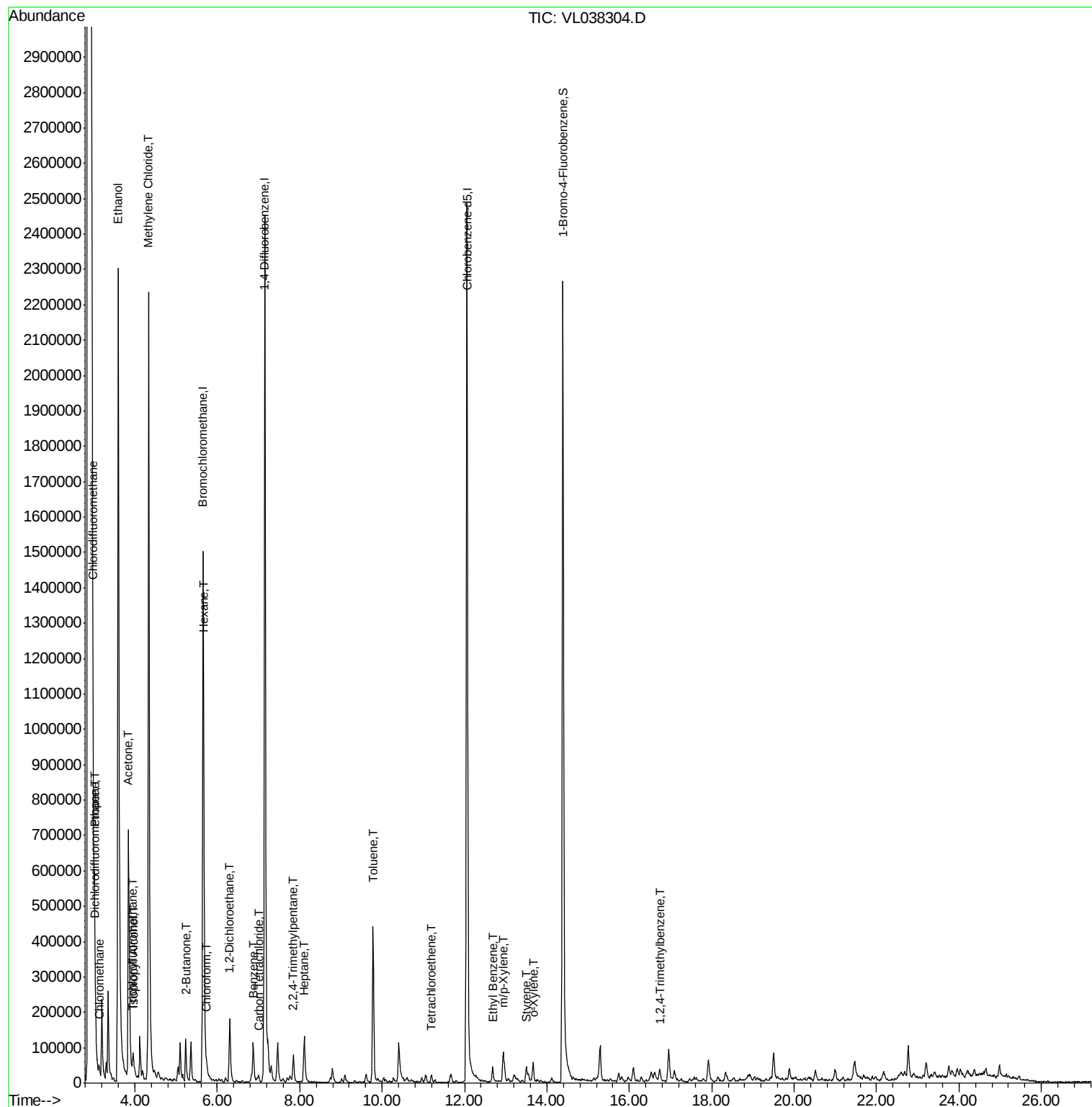
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
Data File : VL038304.D
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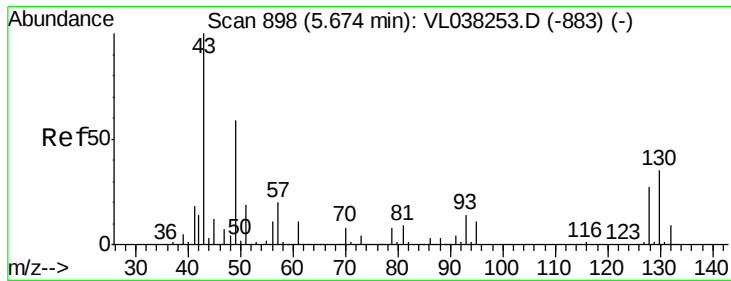
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Jan 28 06:10:12 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Jan 24 14:12:48 2022
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Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-1DUP

Acq: 27 Jan 2022 20:00

Tgt Ion:

Ion Ratio

49 100

128 45.

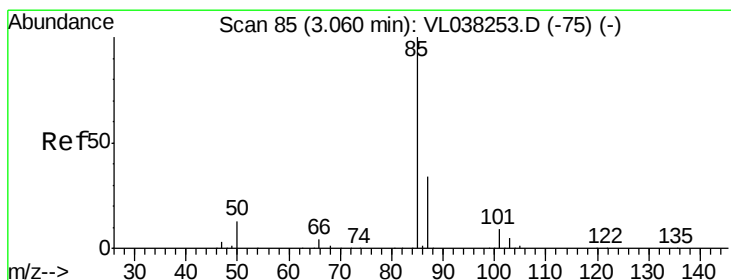
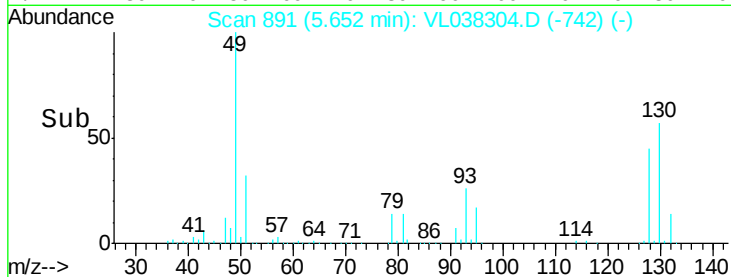
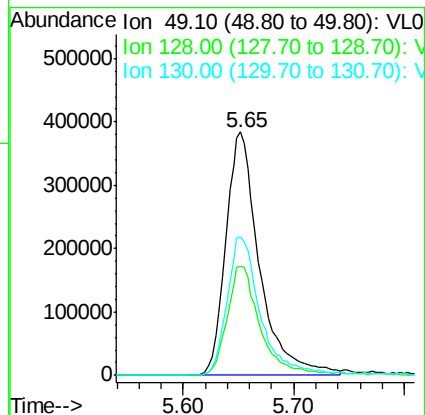
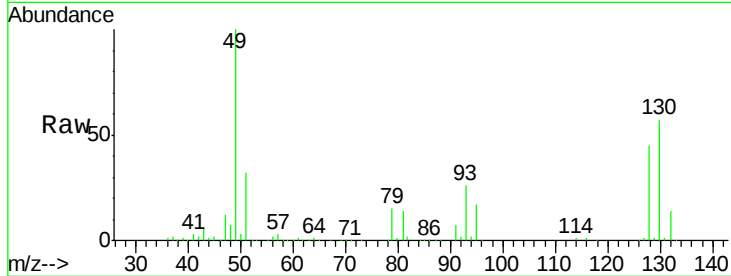
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#2

Dichlorodifluoromethane

Concen: 0.477 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL038304.D

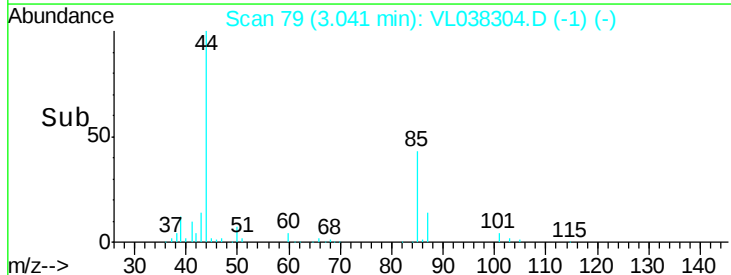
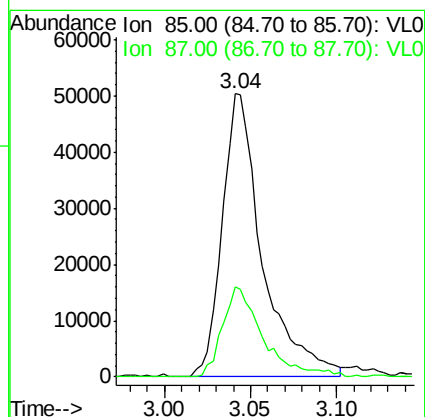
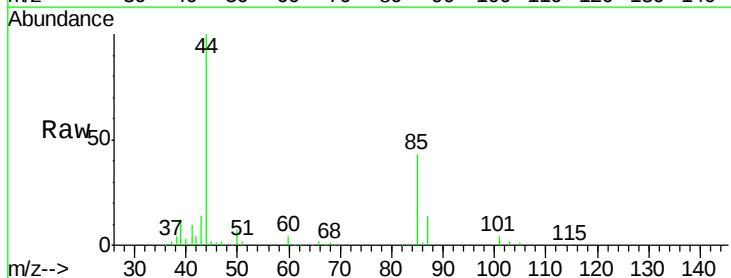
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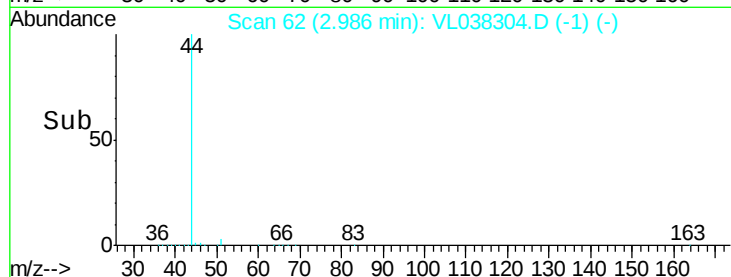
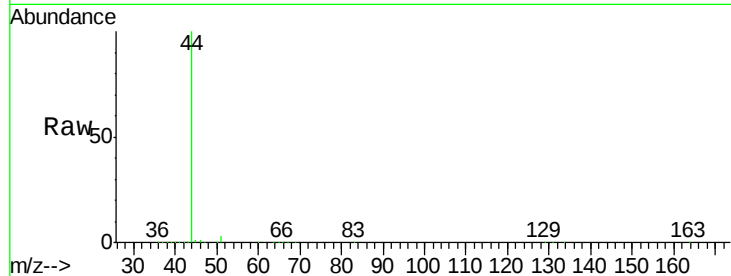
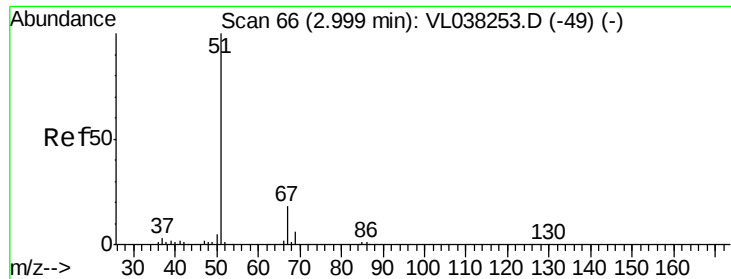
Tgt Ion: 85 Resp: 82167

Ion Ratio Lower Upper

85 100

87 31.4 27.0 40.6



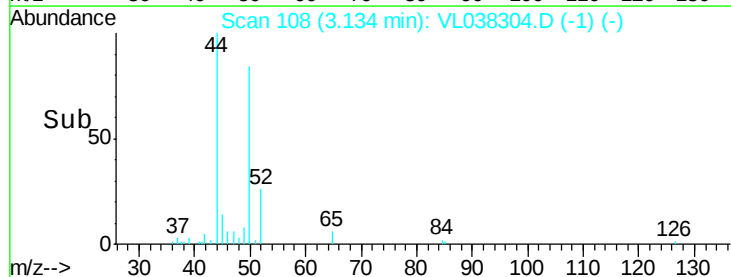
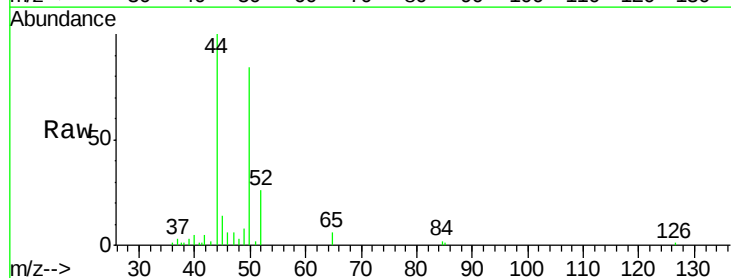
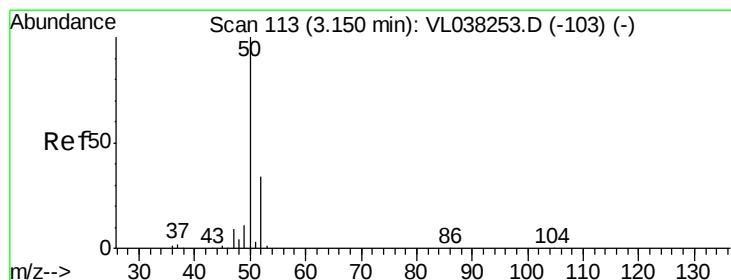
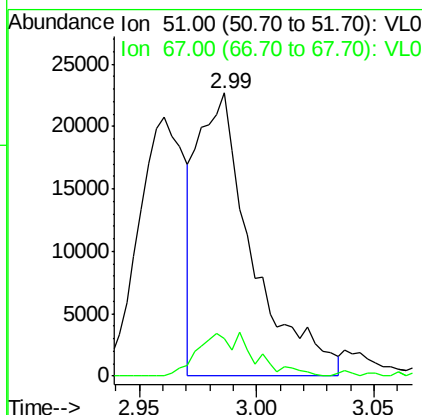


#3
Chlorodifluoromethane
Concen: 0.230 ppbv m
RT: 2.99 Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
51 100
67 15.

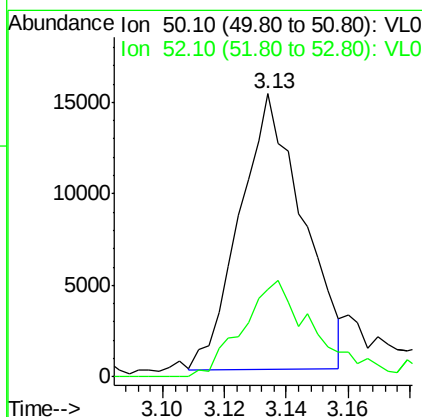
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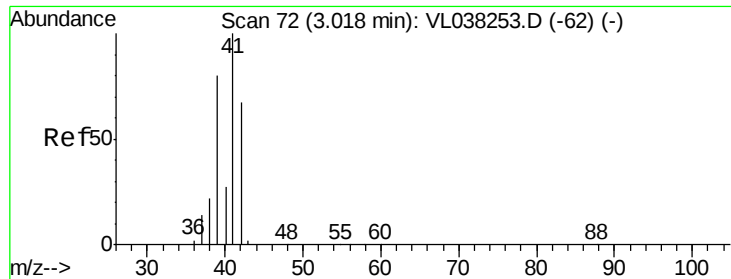
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#4
Chloromethane
Concen: 0.386 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion: 50 Resp: 21396
Ion Ratio Lower Upper
50 100
52 32.1 27.1 40.7





#9

Propene

Concen: 1.905 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jan 2022 20:00

Tgt Ion:

Ion Ratio

41 100

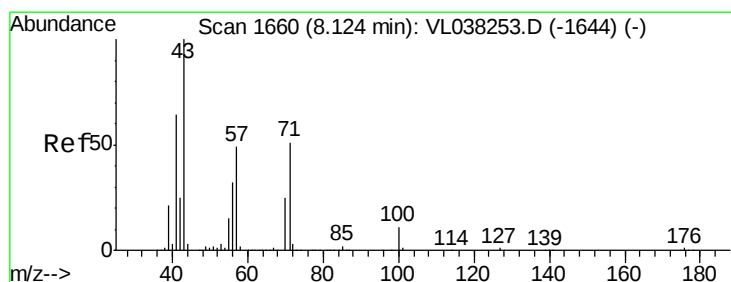
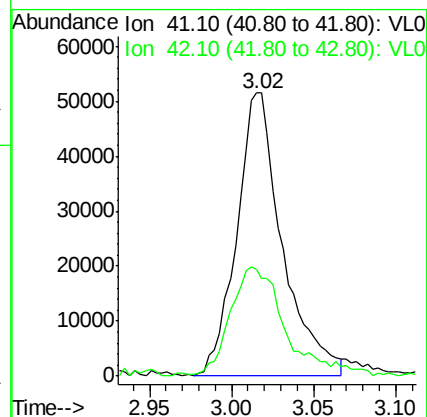
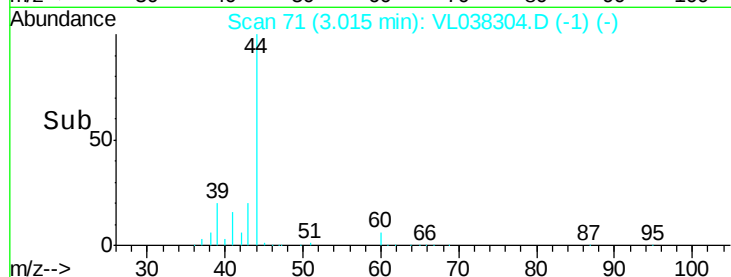
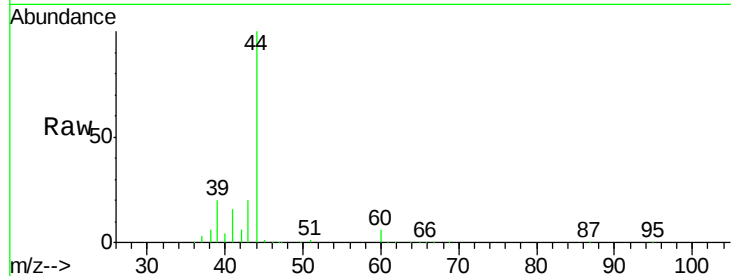
42 50.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#10

Heptane

Concen: 0.252 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.03 min

Lab File: VL038304.D

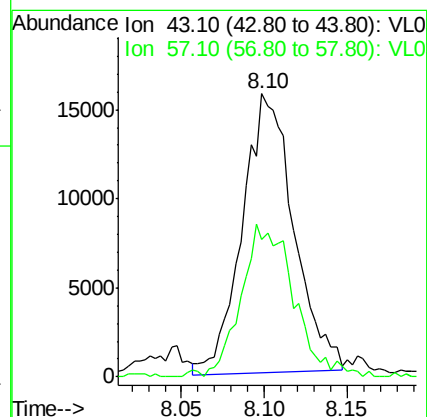
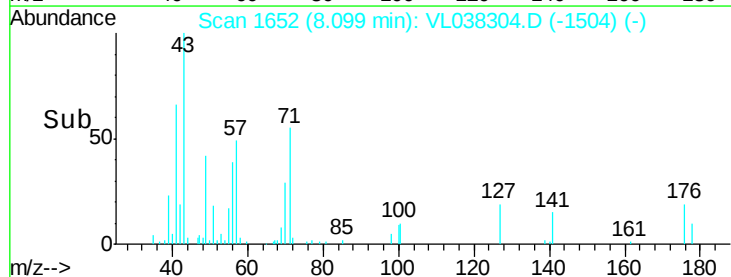
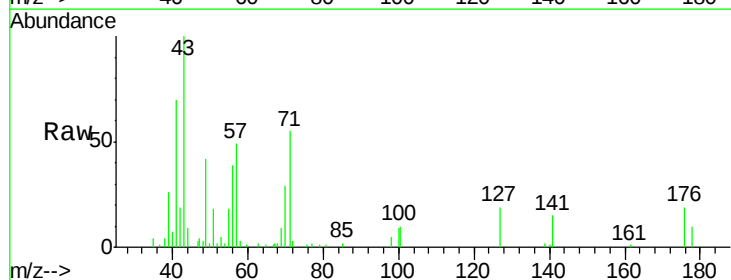
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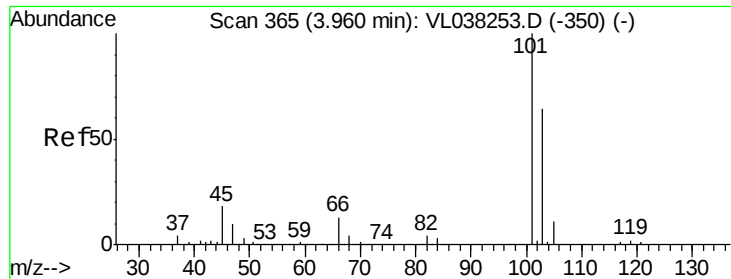
Tgt Ion: 43 Resp: 33994

Ion Ratio Lower Upper

43 100

57 55.9 39.5 59.3



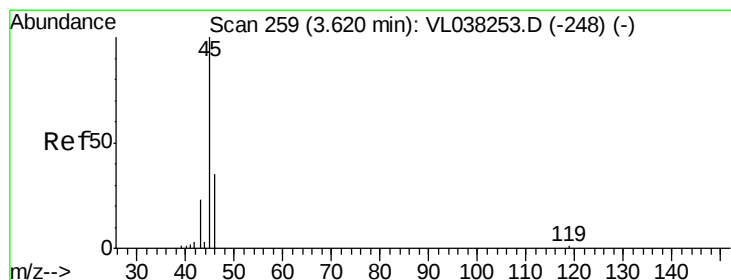
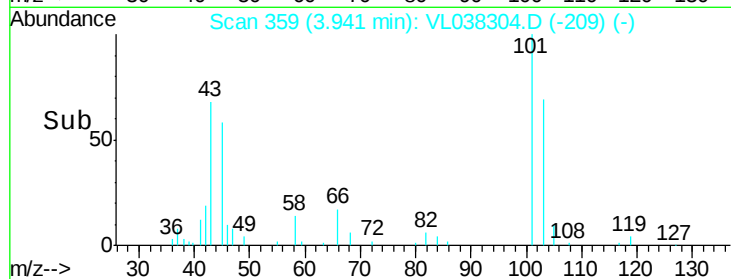
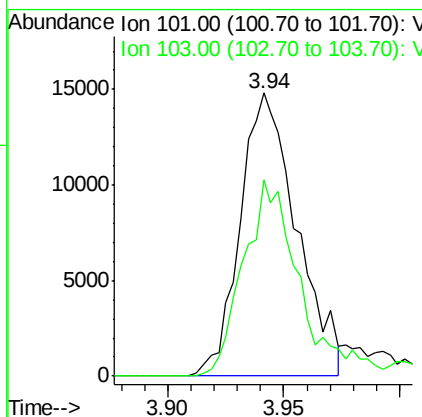
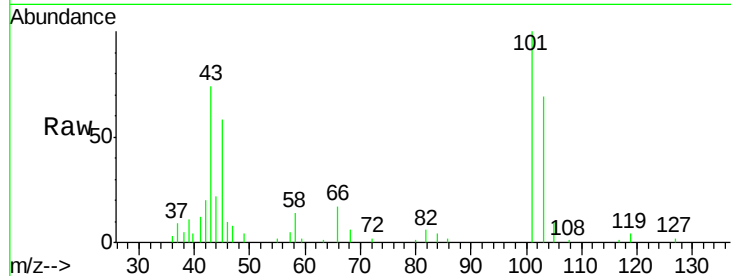


#11
 Trichlorofluoromethane
 Concen: 0.187 ppbv
 RT: 3.94
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 20:00

Tgt Ion: 101
 Ion Ratio: 100
 101 100
 103 69.

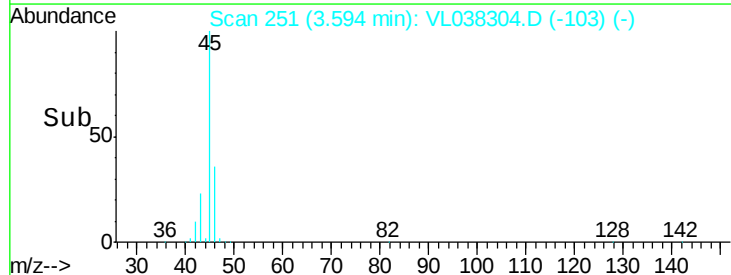
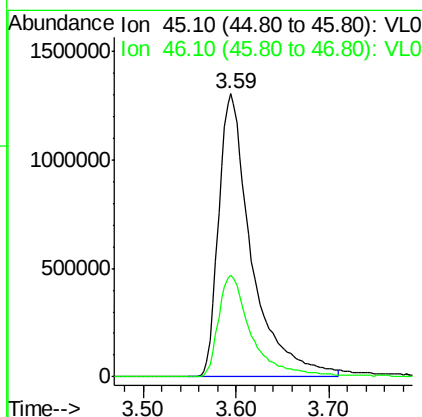
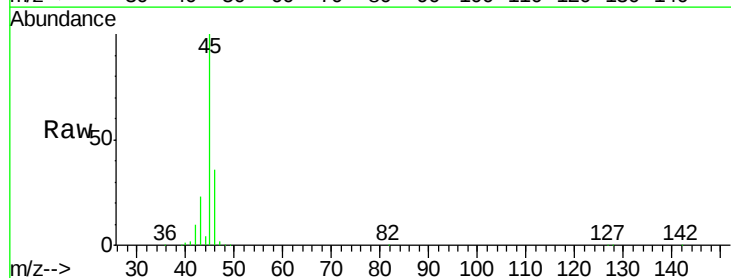
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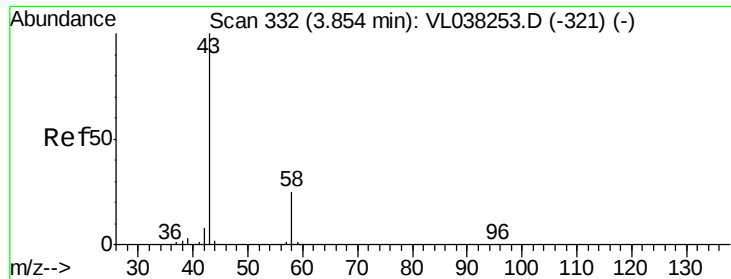
Reviewed By :Semsettin Yesilyurt 01/28/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#13
 Ethanol
 Concen: 572.559 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.03 min
 Lab File: VL038304.D
 Acq: 27 Jan 2022 20:00

Tgt Ion: 45 Resp: 3222324
 Ion Ratio Lower Upper
 45 100
 46 36.9 15.4 61.6





#15

Acetone

Concen: 13.025 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jan 2022 20:00

Tgt Ion:

Ion Ratio

43 100

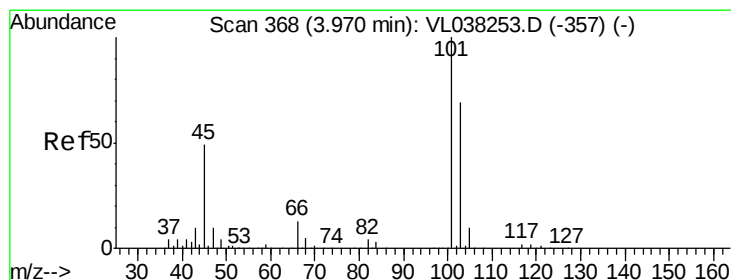
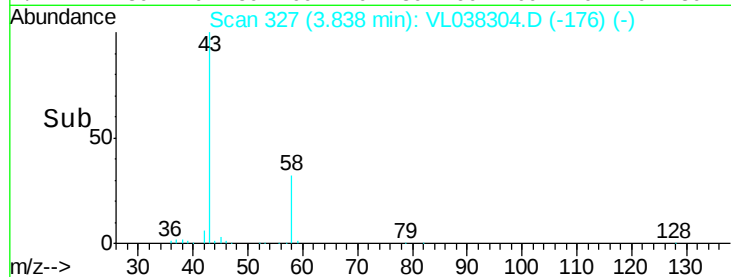
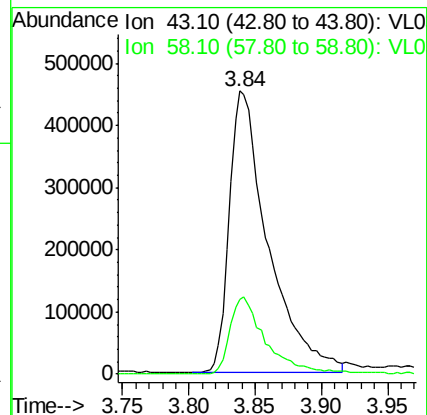
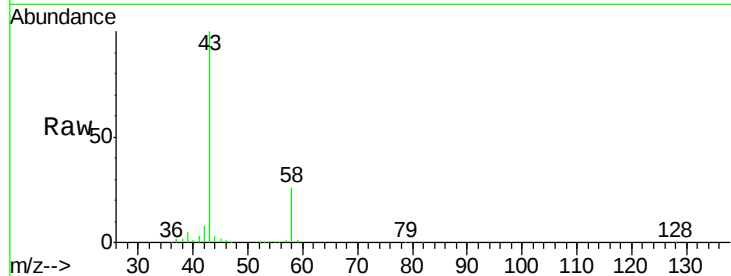
58 26.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#19

Isopropyl Alcohol

Concen: 1.663 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL038304.D

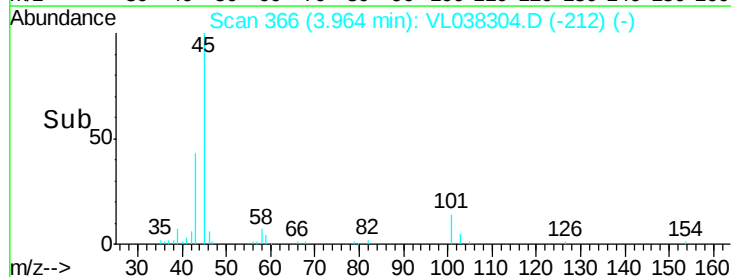
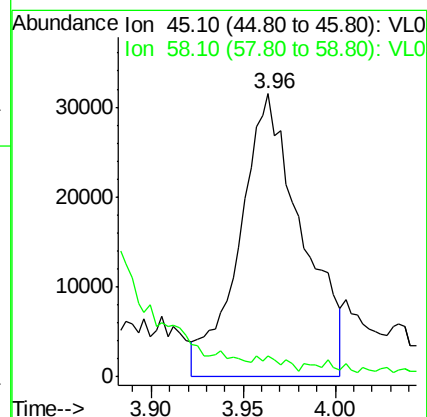
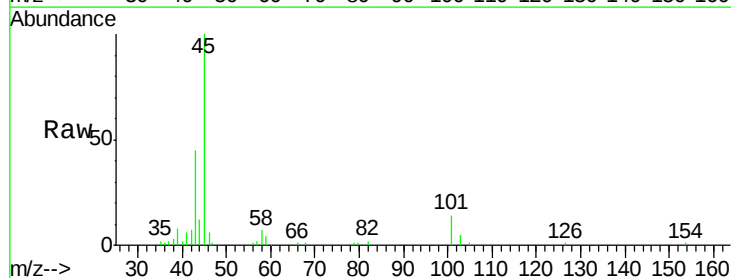
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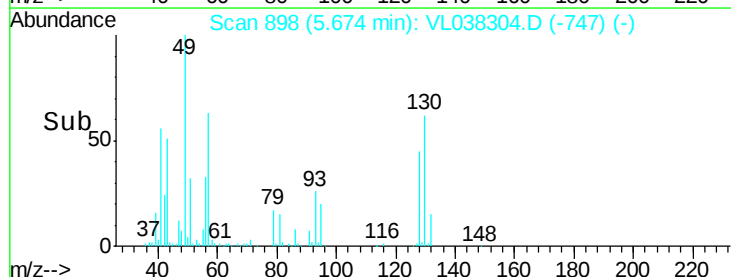
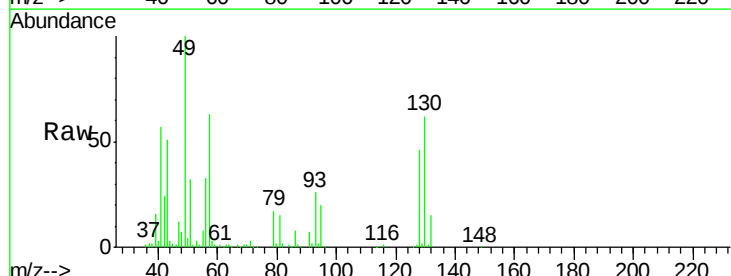
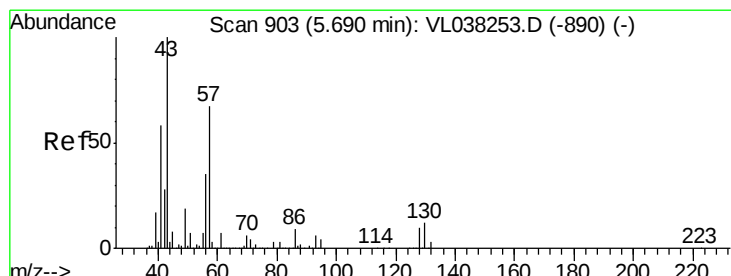
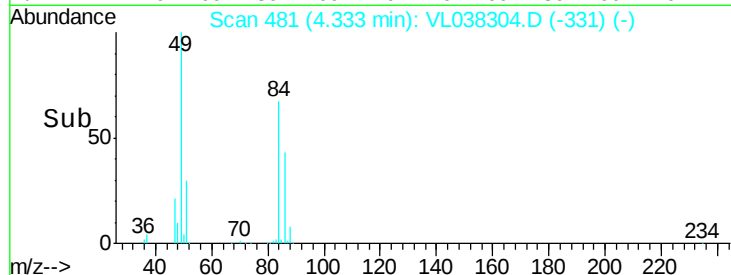
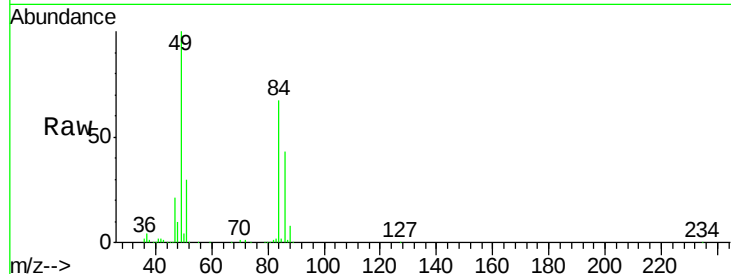
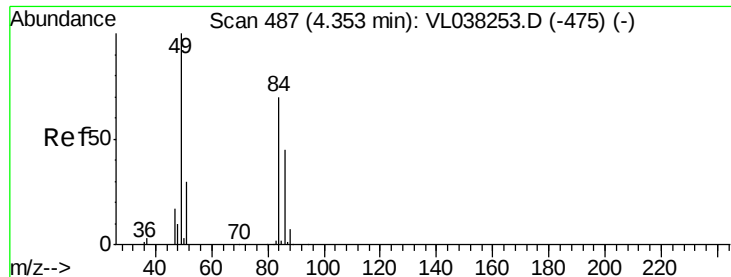
Tgt Ion: 45 Resp: 74175

Ion Ratio Lower Upper

45 100

58 328.2 2.3 3.5#



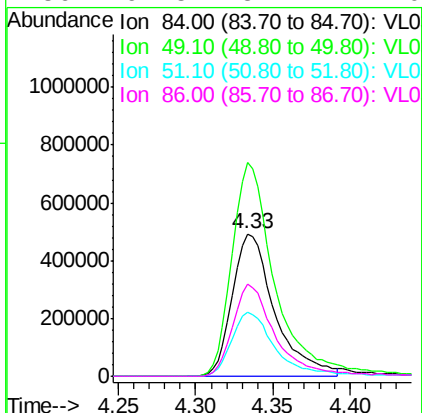


#20
Methylene Chloride
Concen: 22.633 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion: 84.00 (83.70 to 84.70): VL0
Ion Ratio 100
49 150.
51 45.
86 64.5 51.4 77.0

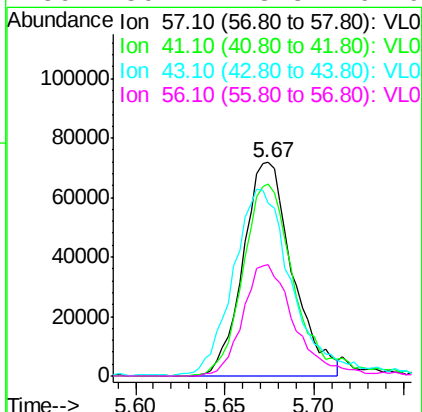
Manual Integrations
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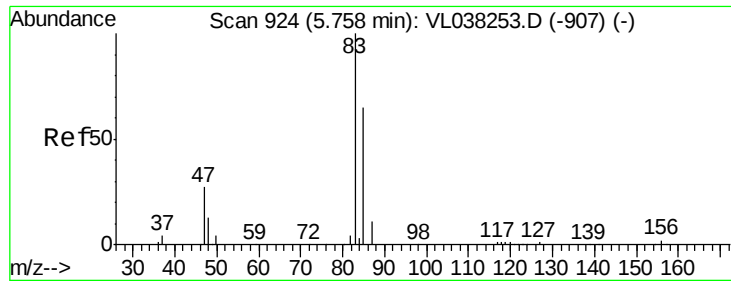
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#26
Hexane
Concen: 1.493 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion: 57 Resp: 138692
Ion Ratio Lower Upper
57 100
41 97.4 72.8 109.2
43 104.8 177.0 265.6#
56 56.1 43.3 64.9



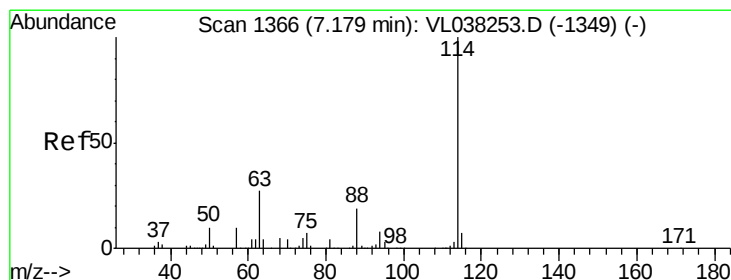
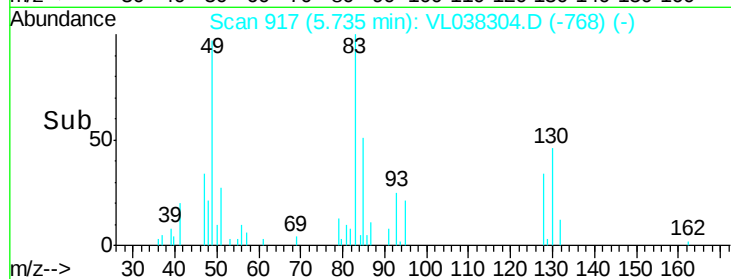
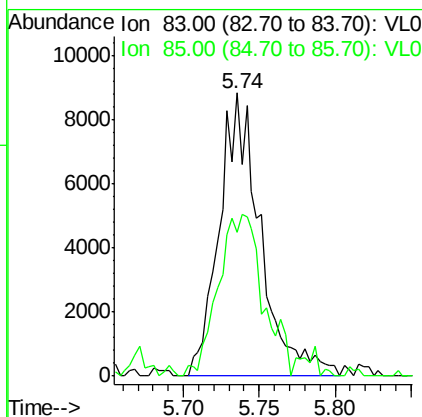
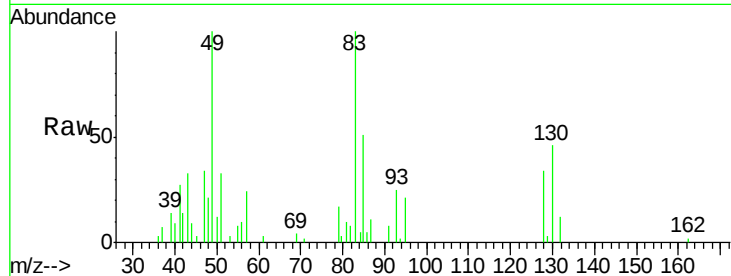


#29
Chloroform
Concen: 0.110 ppbv m
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
83 100
85 51.

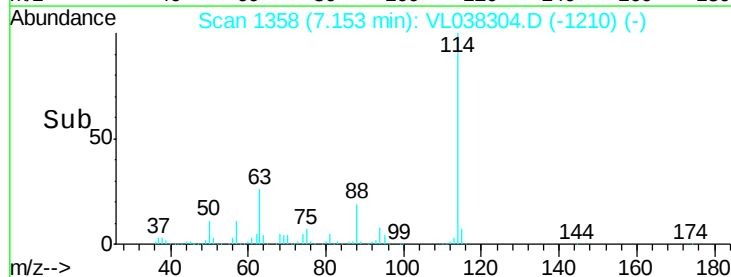
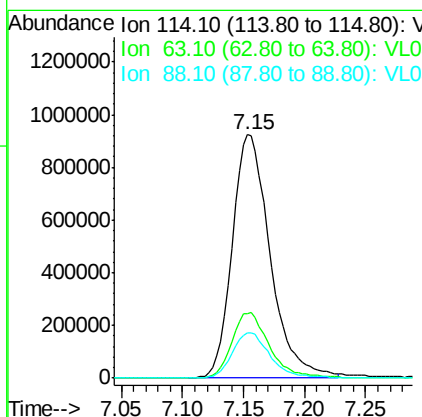
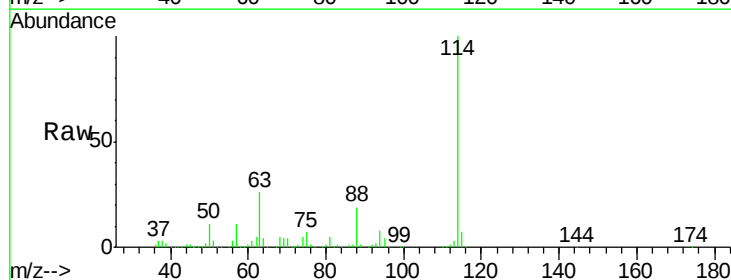
Manual Integrations
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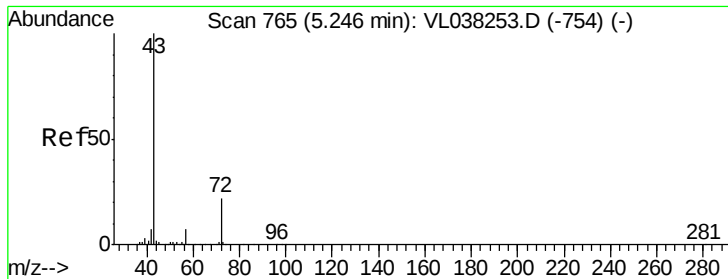
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion:114 Resp: 1992064
Ion Ratio Lower Upper
114 100
63 27.2 22.0 33.0
88 19.0 15.0 22.6



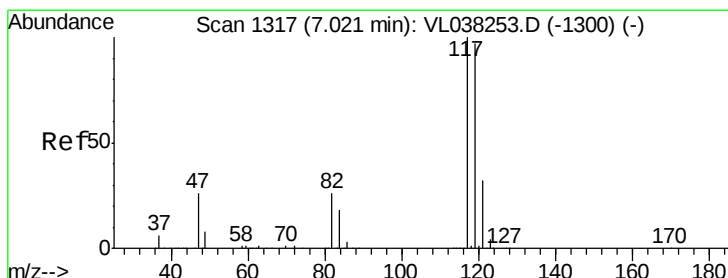
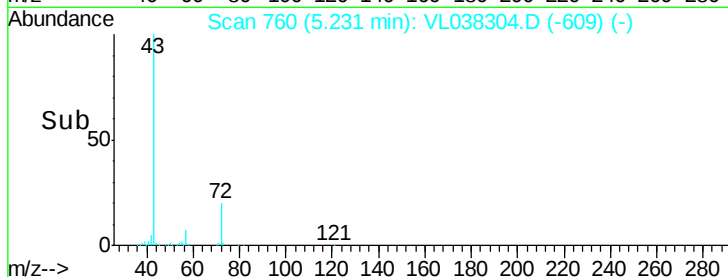
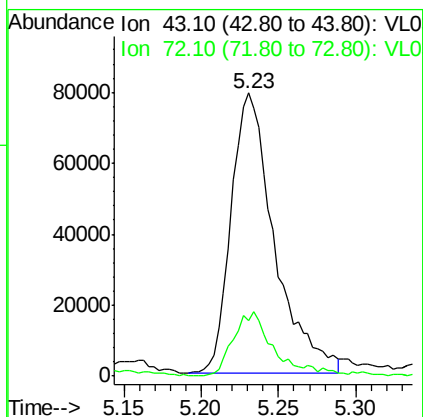
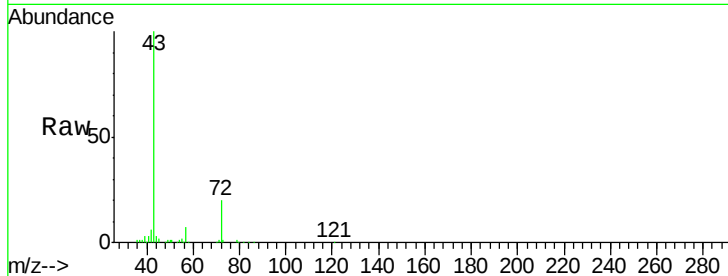


#34
2-Butanone
Concen: 2.371 ppbv
RT: 5.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
43 100
72 23.

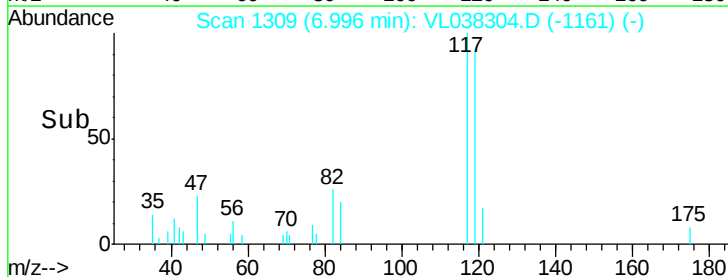
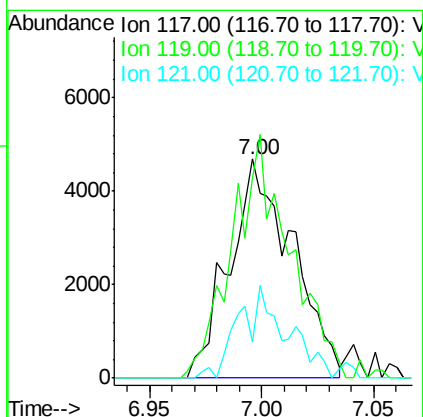
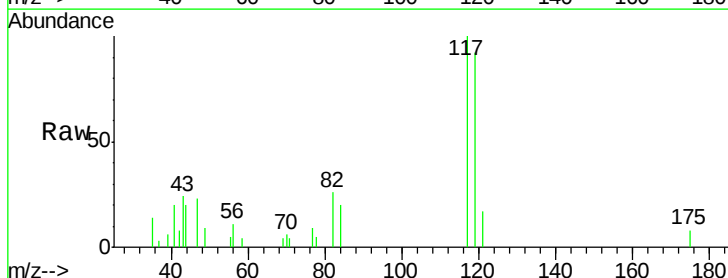
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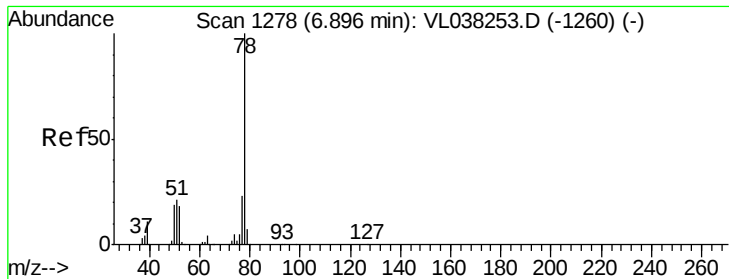
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion:117 Resp: 9157
Ion Ratio Lower Upper
117 100
119 91.7 77.9 116.9
121 16.7 25.4 38.2#



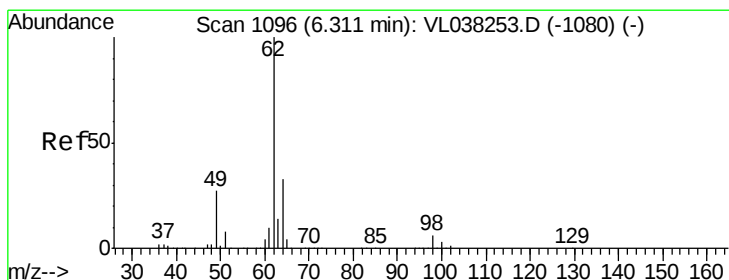
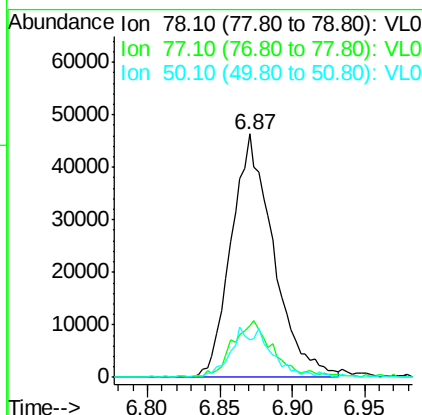
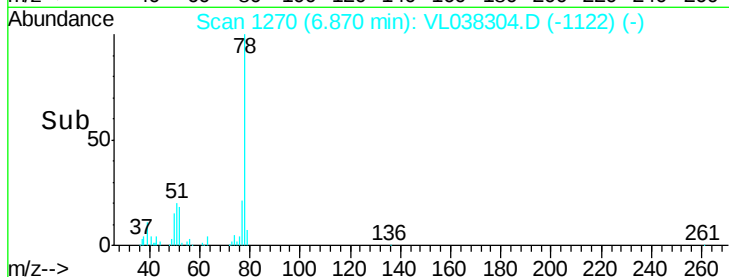
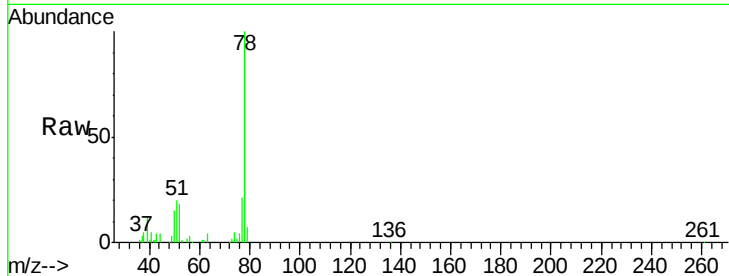


#36
Benzene
Concen: 0.532 ppbv
RT: 6.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
78 100
77 21.
50 15.

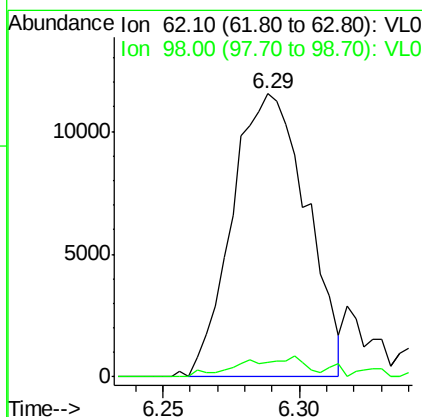
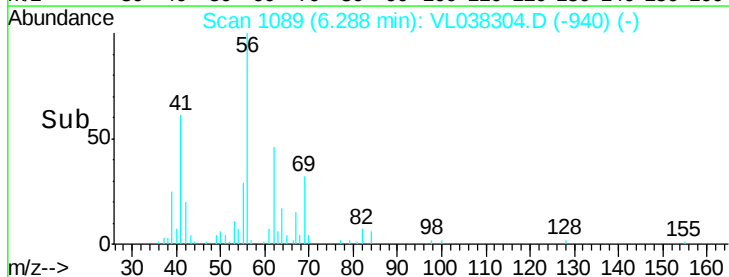
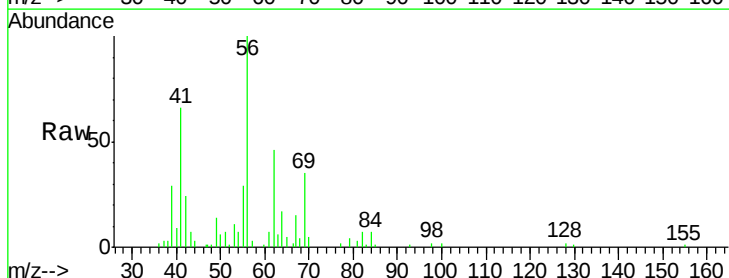
Manual Integrations
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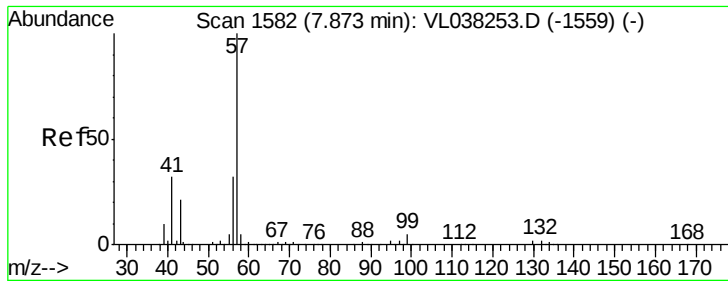
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#37
1,2-Dichloroethane
Concen: 0.216 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion: 62 Resp: 21801
Ion Ratio Lower Upper
62 100
98 8.2 4.5 6.7#



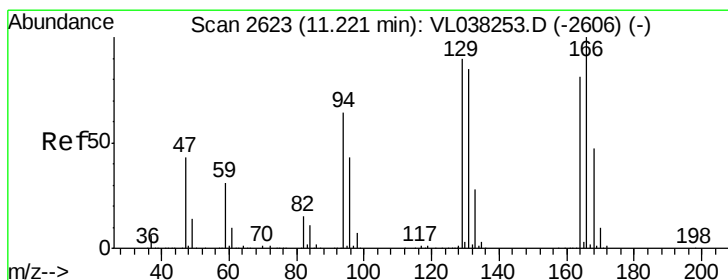
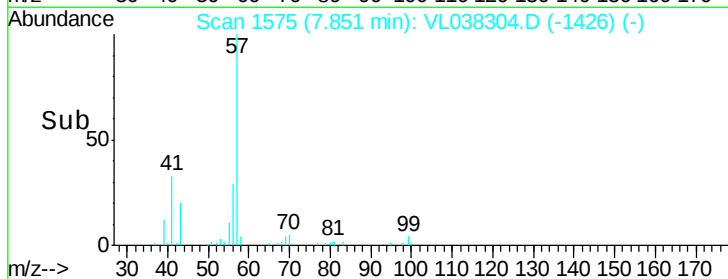
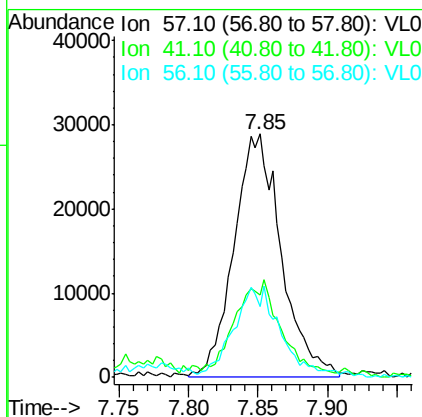
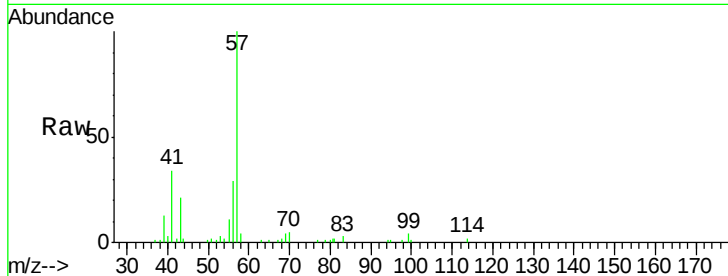


#44
 2,2,4-Trimethylpentane
 Concen: 0.221 ppbv m
 RT: 7.85
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampled:
 Acq: 27 Jan 2022 20:00

Tgt Ion:
 Ion Ratio
 57 100
 41 36.
 56 37.

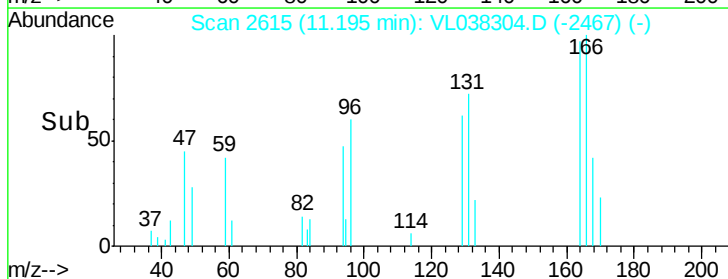
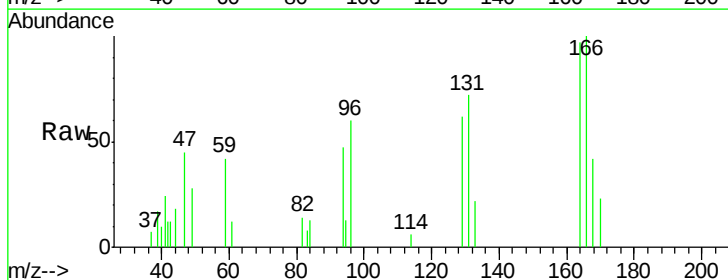
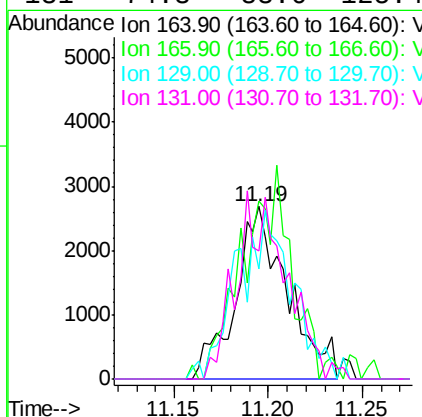
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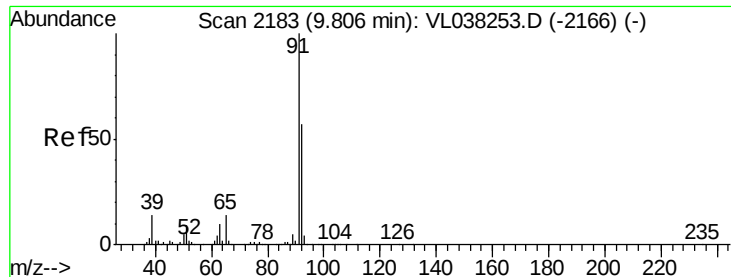
Reviewed By :Semsettin Yesilyurt 01/28/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#52
 Tetrachloroethene
 Concen: 0.085 ppbv m
 RT: 11.19 min Scan# 2615
 Delta R.T. -0.03 min
 Lab File: VL038304.D
 Acq: 27 Jan 2022 20:00

Tgt Ion:164 Resp: 5133
 Ion Ratio Lower Upper
 164 100
 166 103.0 98.8 148.2
 129 63.5 89.2 133.8#
 131 74.3 83.6 125.4#





#53

Toluene

Concen: 1.807 ppbv

RT: 9.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jan 2022 20:00

Tgt Ion:

Ion Ratio

91 100

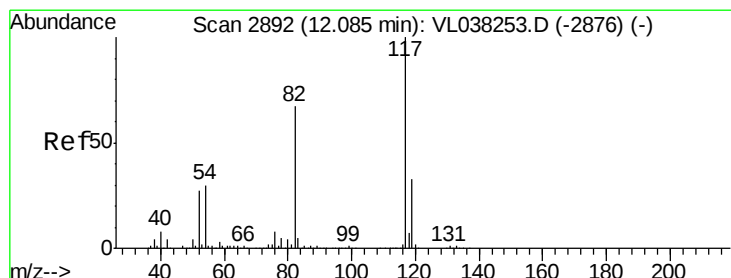
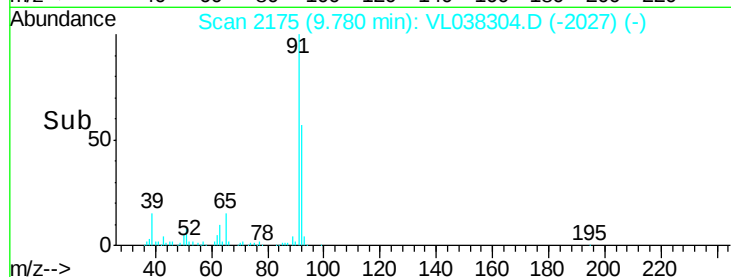
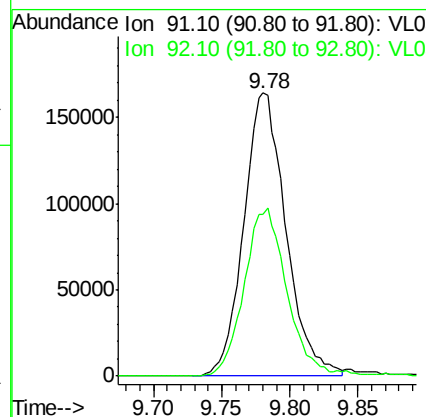
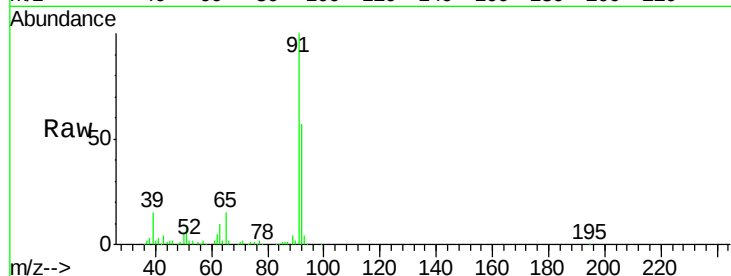
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/28/2022

Supervised By :Mahesh Dadoda 01/28/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL038304.D

Acq: 27 Jan 2022 20:00

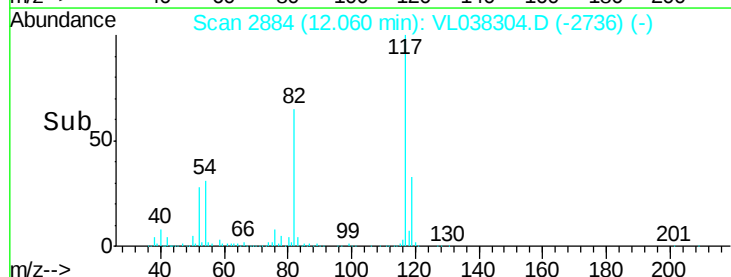
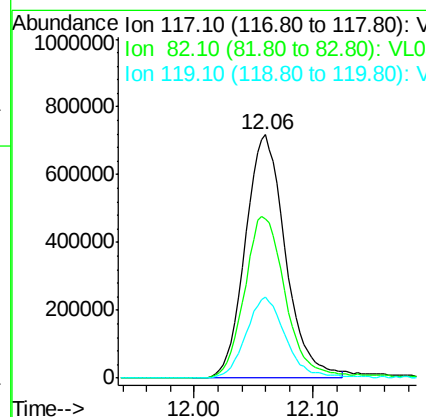
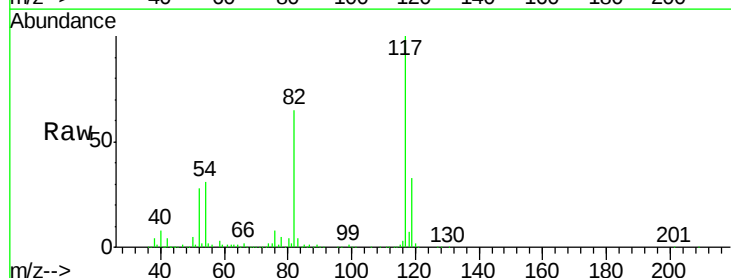
Tgt Ion:117 Resp: 1680271

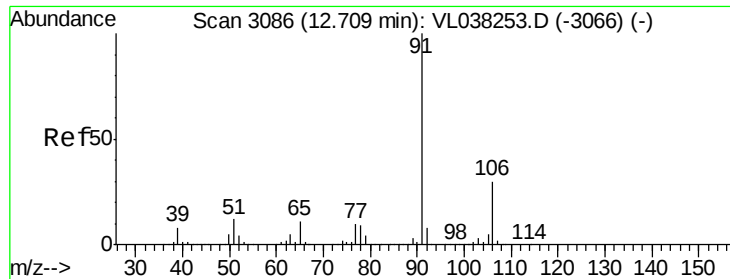
Ion Ratio Lower Upper

117 100

82 69.3 54.4 81.6

119 33.5 45.9 68.9#



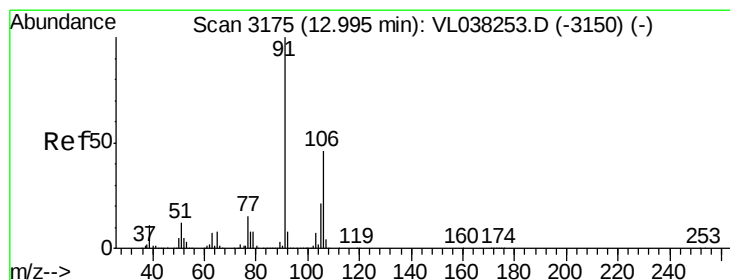
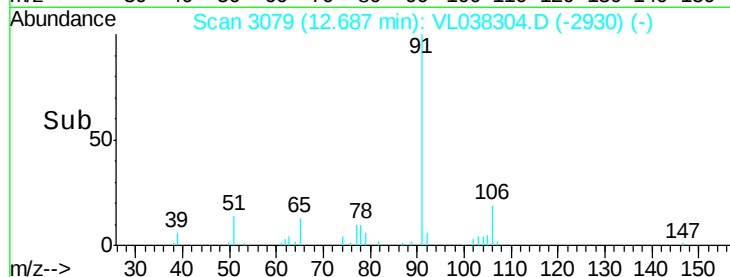
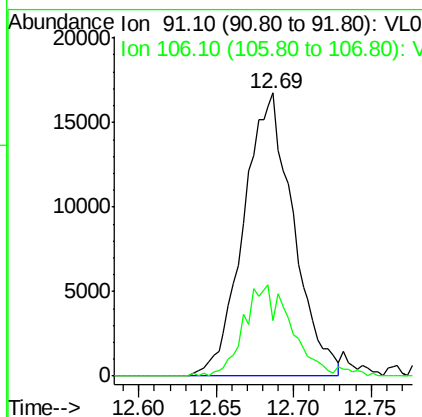
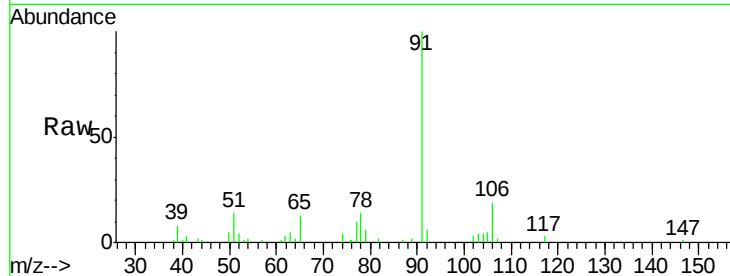


#58
Ethyl Benzene
Concen: 0.152 ppbv
RT: 12.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
91 100
106 19.

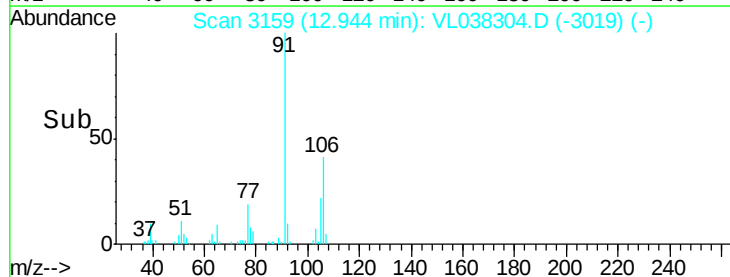
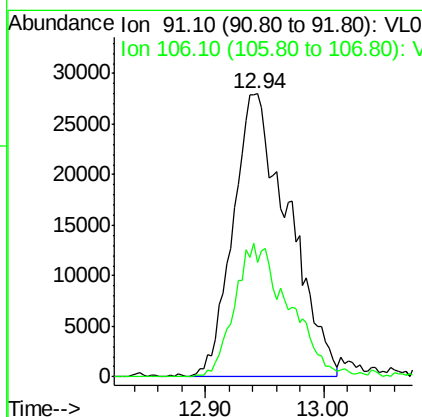
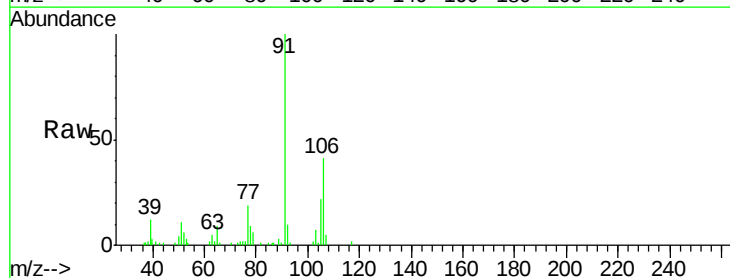
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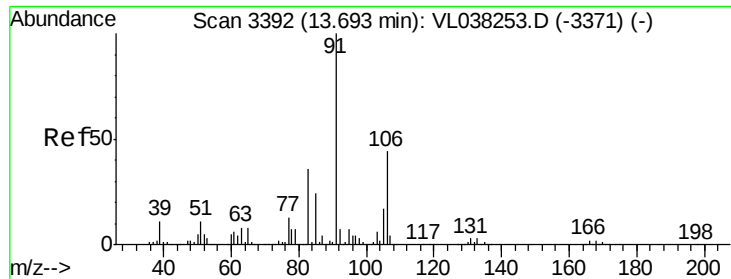
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#59
m/p-Xylene
Concen: 0.432 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.05 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion: 91 Resp: 91103
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#



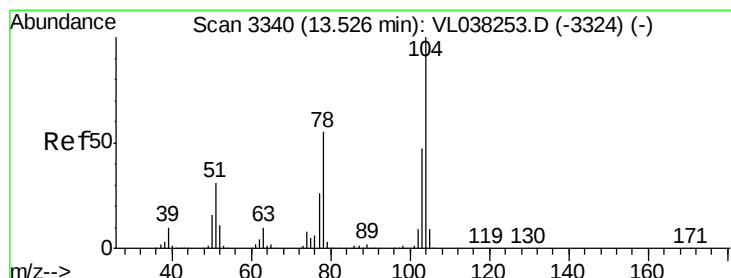
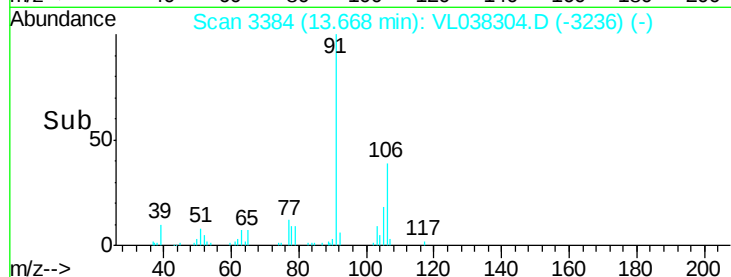
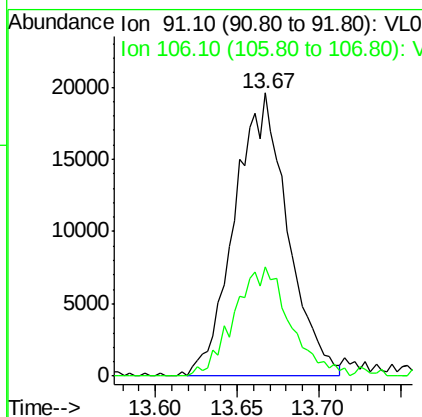
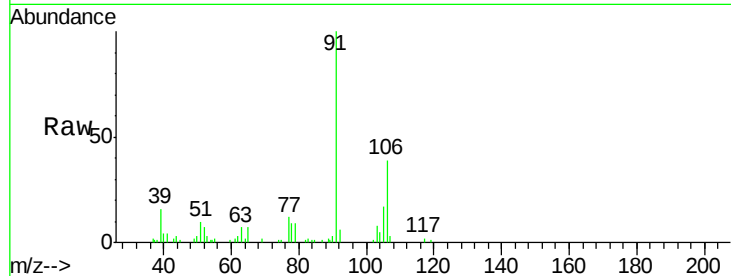


#60
o-Xylene
Concen: 0.226 ppbv m
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 20:00

Tgt Ion:
Ion Ratio
91 100
106 0.

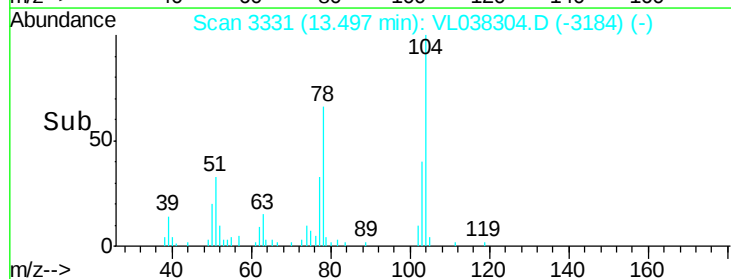
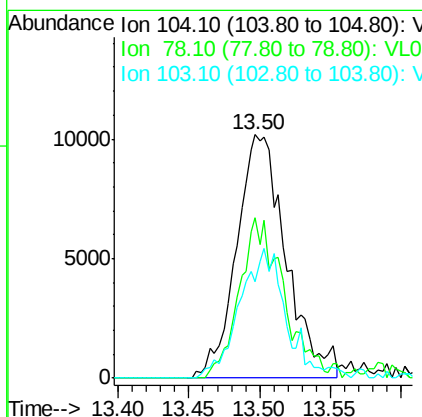
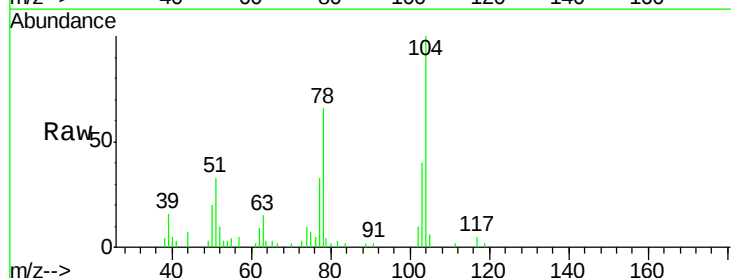
Manual Integrations
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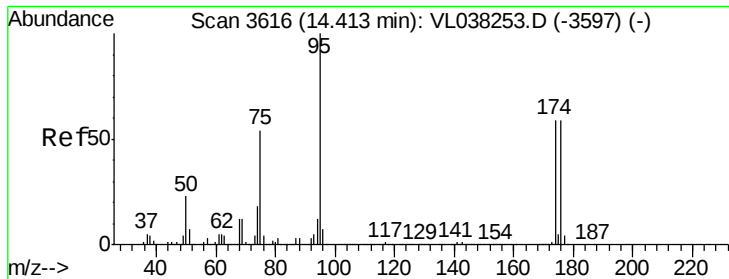
Reviewed By :Semsettin Yesilyurt 01/28/2022
Supervised By :Mahesh Dadoda 01/28/2022



#61
Styrene
Concen: 0.271 ppbv m
RT: 13.50 min Scan# 3331
Delta R.T. -0.03 min
Lab File: VL038304.D
Acq: 27 Jan 2022 20:00

Tgt Ion:104 Resp: 24805
Ion Ratio Lower Upper
104 100
78 59.5 44.2 66.4
103 0.0 38.2 57.4#



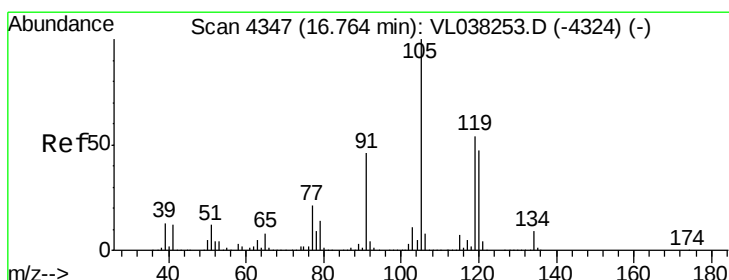
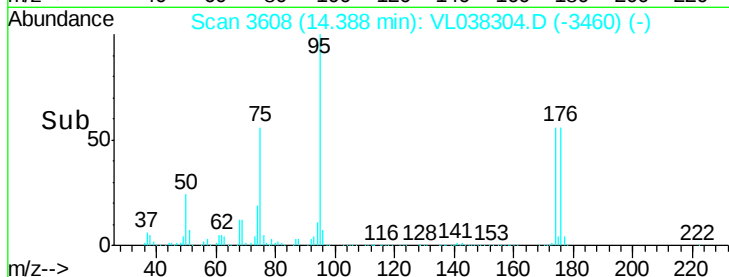
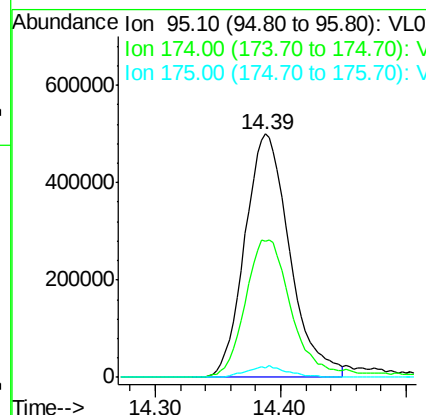
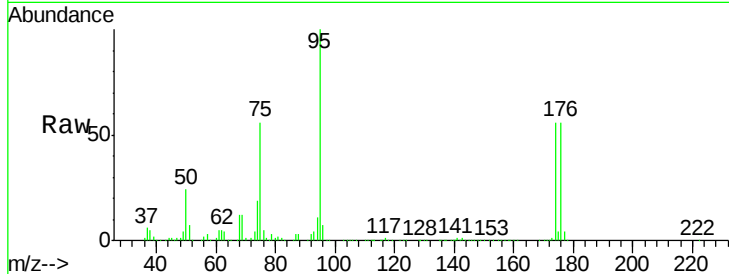


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.753 ppbv
 RT: 14.39 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 20:00

Tgt Ion:
 Ion Ratio
 95 100
 174 61.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/28/2022
 Supervised By :Mahesh Dadoda 01/28/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.133 ppbv m
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.03 min
 Lab File: VL038304.D
 Acq: 27 Jan 2022 20:00

Tgt Ion:105 Resp: 25873
 Ion Ratio Lower Upper
 105 100
 120 32.8 37.2 55.8#
 91 8.8 36.6 55.0#
 77 19.8 16.9 25.3

