

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038311.D
 Acq On : 28 Jan 2022 00:28
 Operator : SY/AP
 Sample : N1300-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18C

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/29/2022
 Supervised By : Amit Patel 02/02/2022

Quant Time: Jan 28 15:25:10 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	762757	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	1884641	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1576138	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1208201	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	71789	0.442	ppbv	96
3) Chlorodifluoromethane	2.99	51	119908m	0.790	ppbv	
4) Chloromethane	3.14	50	27279m	0.522	ppbv	
9) Propene	3.02	41	80725m	1.633	ppbv	
10) Heptane	8.11	43	41072m	0.323	ppbv	
11) Trichlorofluoromethane	3.95	101	25689m	0.203	ppbv	
13) Ethanol	3.60	45	5078237	956.993	ppbv	98
15) Acetone	3.84	43	236488m	3.517	ppbv	
19) Isopropyl Alcohol	3.96	45	2285709	54.340	ppbv #	95
20) Methylene Chloride	4.34	84	20015	0.512	ppbv	91
26) Hexane	5.68	57	126451	1.444	ppbv #	49
29) Chloroform	5.74	83	90300	0.632	ppbv	94
30) Cyclohexane	7.12	84	16849m	0.221	ppbv	
34) 2-Butanone	5.23	43	27685	0.449	ppbv	97
35) Carbon Tetrachloride	7.00	117	10311m	0.078	ppbv	
36) Benzene	6.87	78	50309	0.302	ppbv	96
38) Trichloroethene	7.81	130	29449m	0.474	ppbv	
44) 2,2,4-Trimethylpentane	7.85	57	68706	0.234	ppbv #	77
53) Toluene	9.78	91	108225	0.587	ppbv	99
58) Ethyl Benzene	12.69	91	35458m	0.153	ppbv	
59) m/p-Xylene	12.94	91	90490m	0.458	ppbv	
60) o-Xylene	13.67	91	31995m	0.174	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	18544m	0.102	ppbv	

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

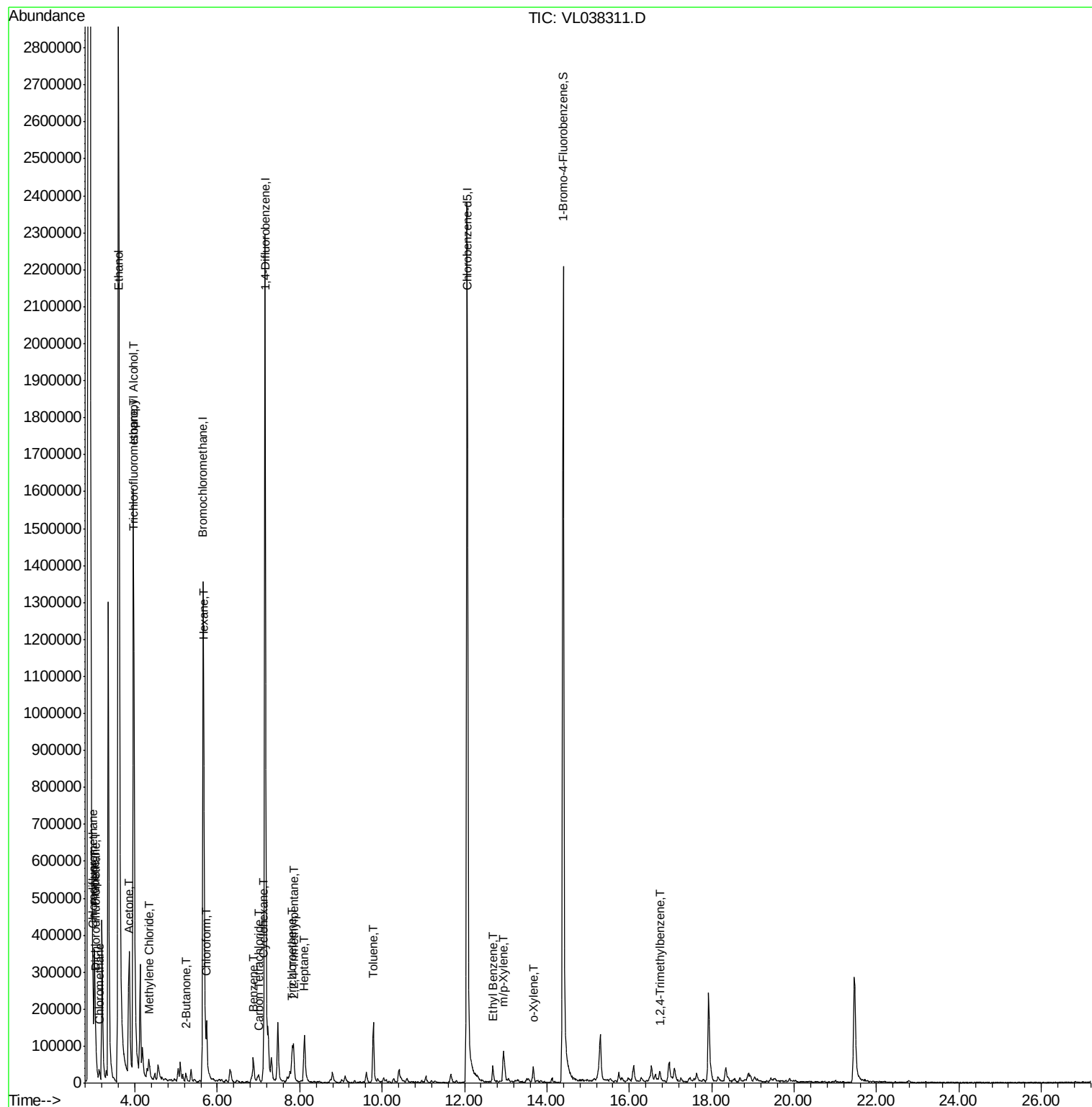
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
Data File : VL038311.D
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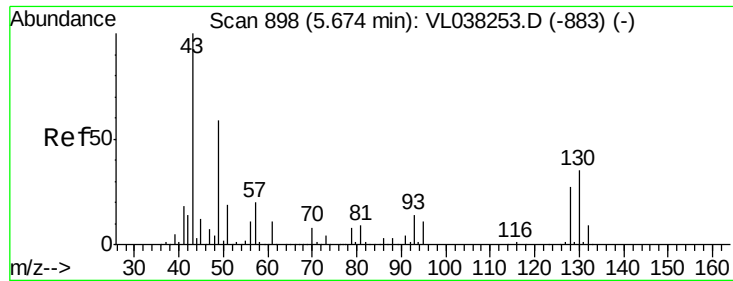
Instrument :
MSVOA_L
ClientSampleId :
IA-18C

Quant Time: Jan 28 15:25:10 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422
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Supervised By :Amit Patel 02/02/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LA-18C

Acq: 28 Jan 2022 00:28

Tgt Ion:

Ion Ratio

49 100

128 45.

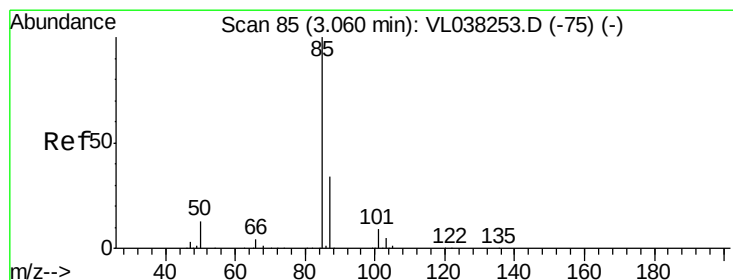
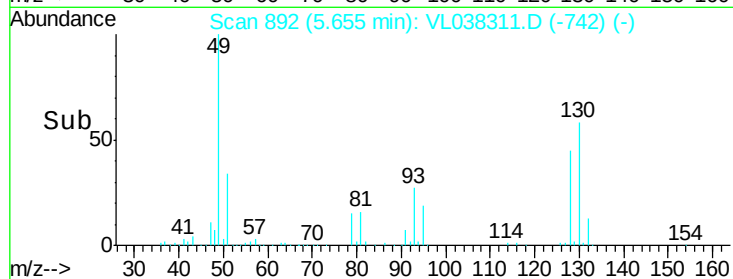
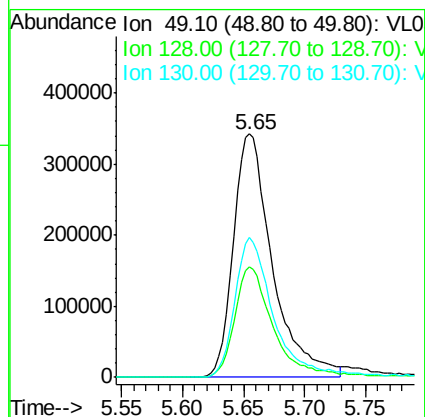
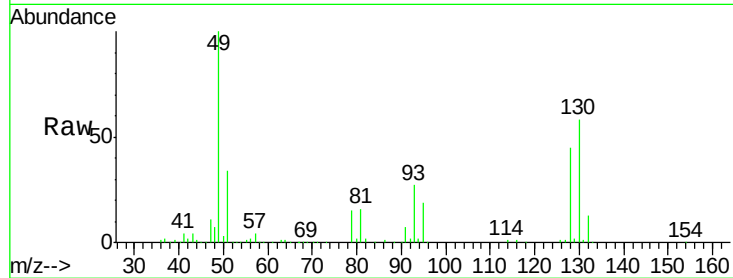
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#2

Dichlorodifluoromethane

Concen: 0.442 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038311.D

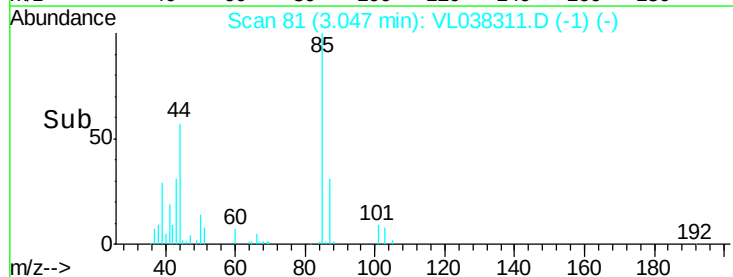
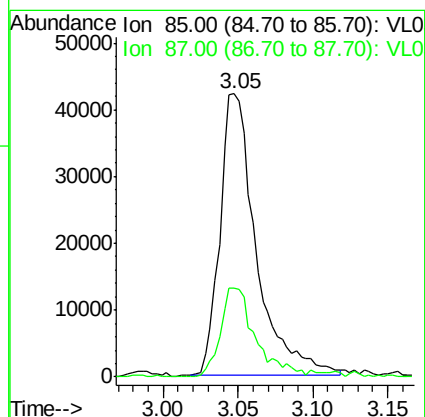
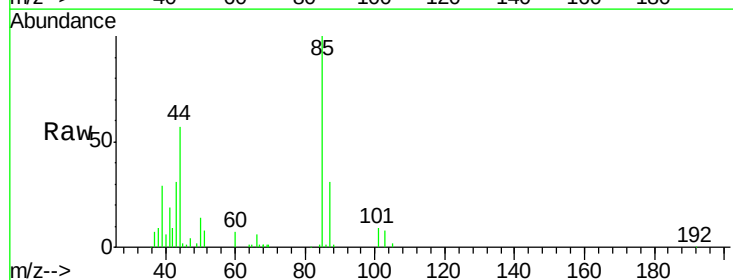
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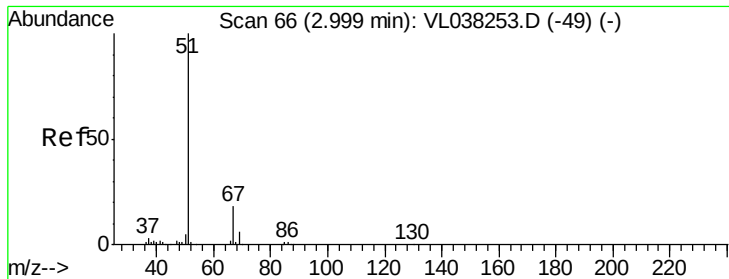
Tgt Ion: 85 Resp: 71789

Ion Ratio Lower Upper

85 100

87 31.5 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.790 ppbv m

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 00:28

Tgt Ion:

Ion Ratio

51 100

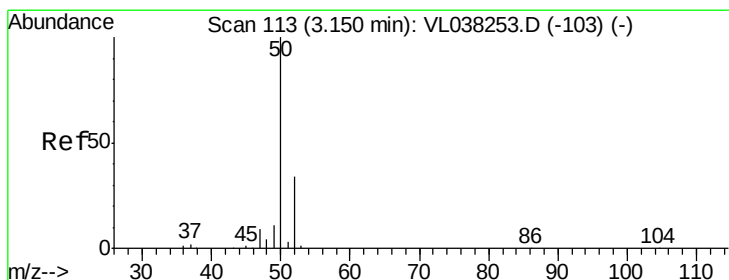
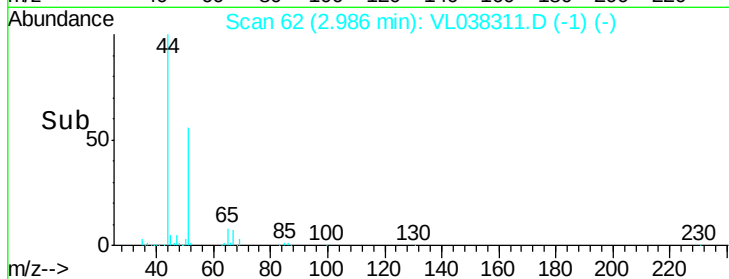
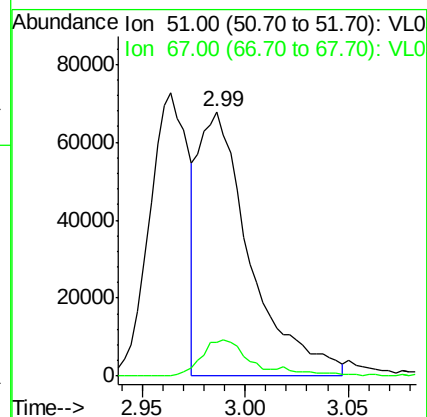
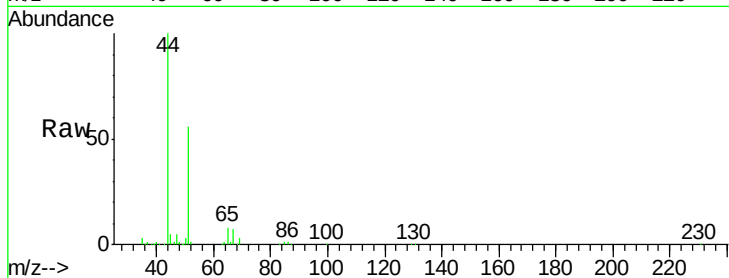
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Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#4

Chloromethane

Concen: 0.522 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL038311.D

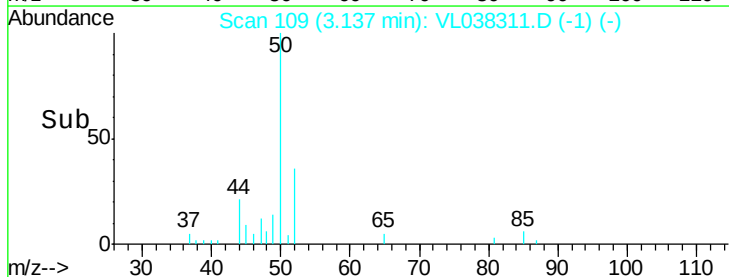
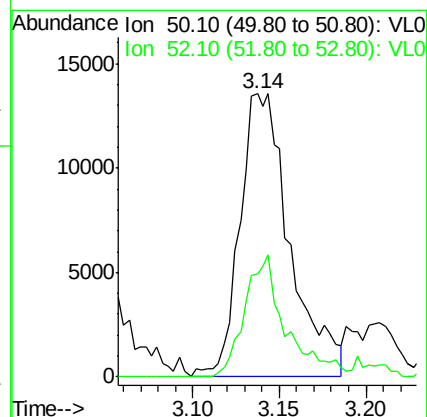
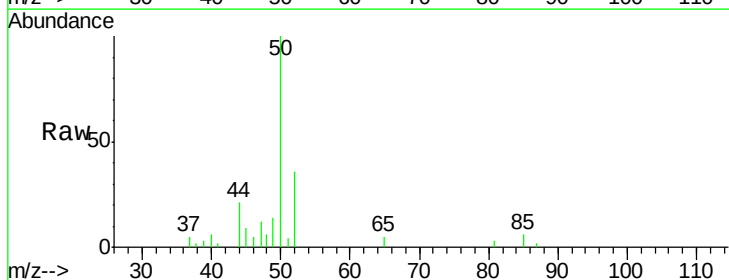
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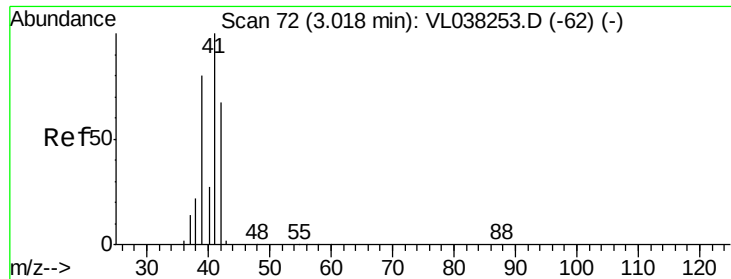
Tgt Ion: 50 Resp: 27279

Ion Ratio Lower Upper

50 100

52 36.4 27.1 40.7





#9

Propene

Concen: 1.633 ppbv m

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 00:28

Tgt Ion:

Ion Ratio

41 100

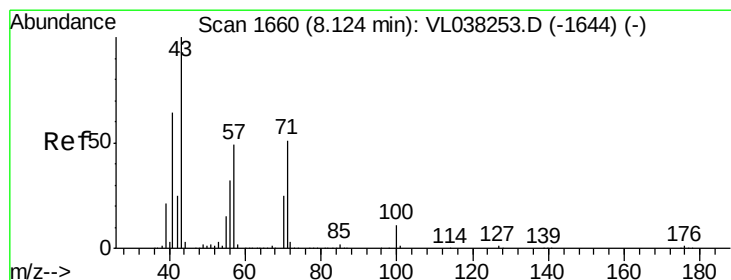
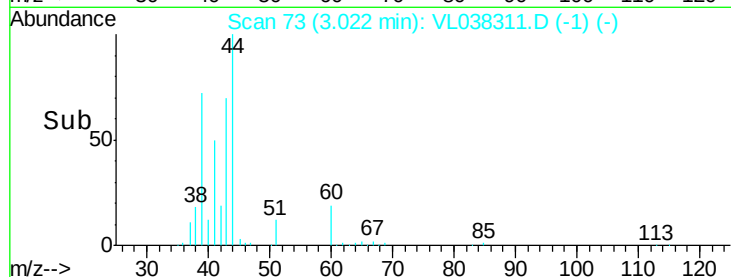
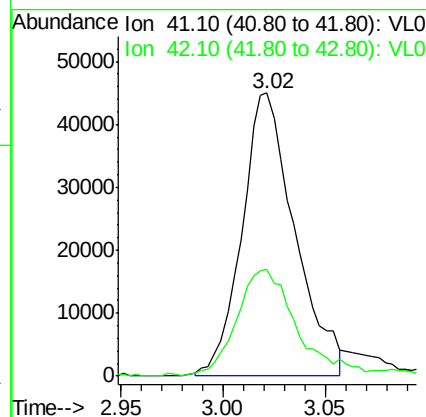
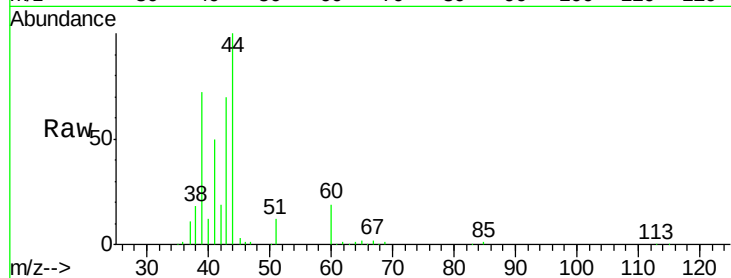
42 127.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#10

Heptane

Concen: 0.323 ppbv m

RT: 8.11 min Scan# 1654

Delta R.T. -0.02 min

Lab File: VL038311.D

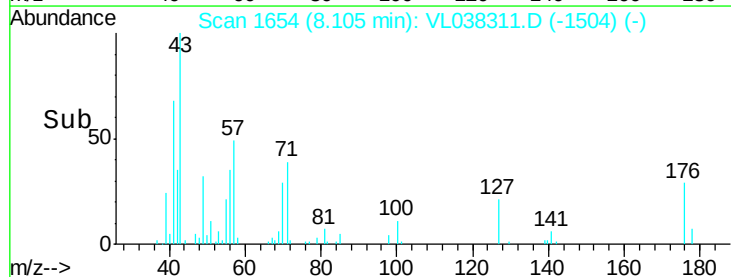
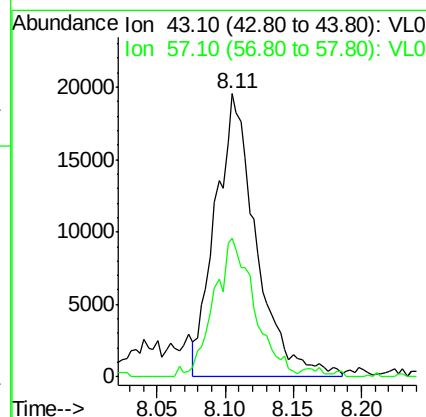
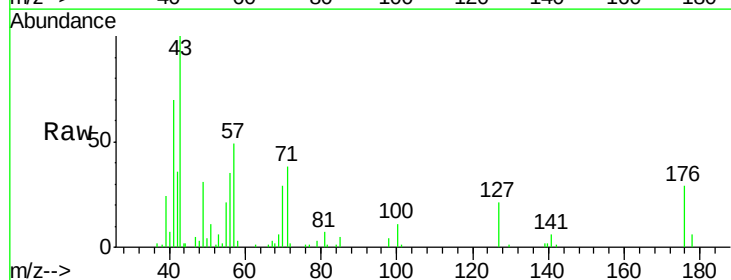
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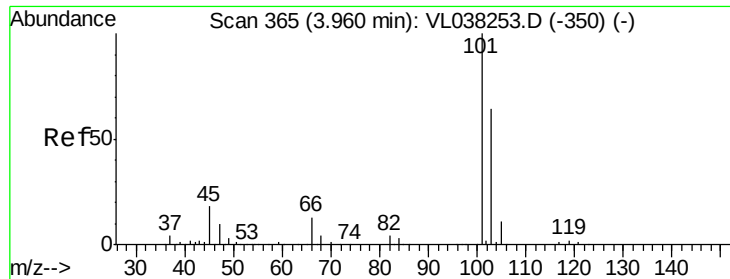
Tgt Ion: 43 Resp: 41072

Ion Ratio Lower Upper

43 100

57 0.0 39.5 59.3#



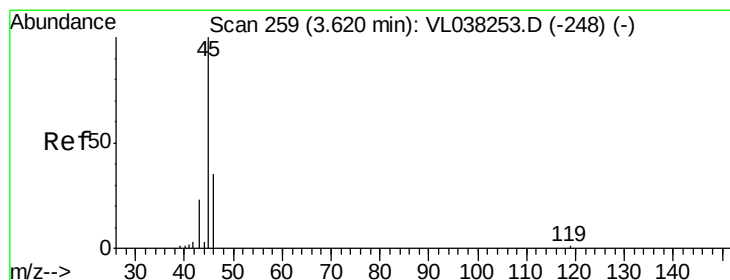
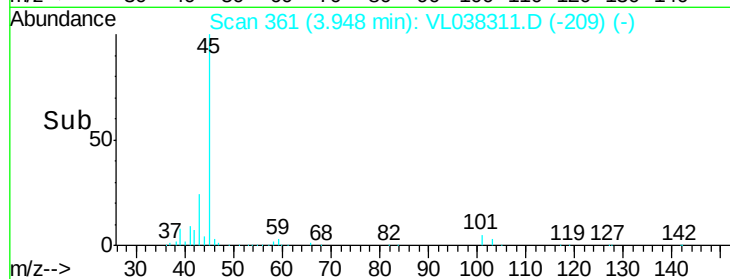
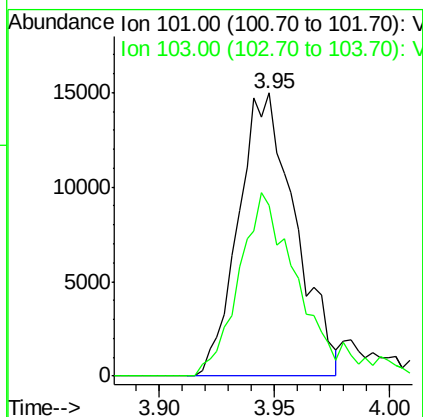
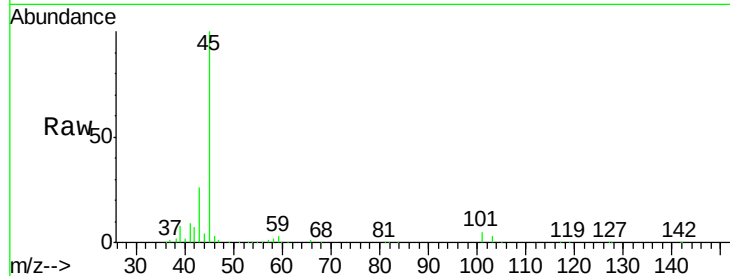


#11
 Trichlorofluoromethane
 Concen: 0.203 ppbv m
 RT: 3.95
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 00:28

Tgt Ion: 101
 Ion Ratio: 100
 103 60.

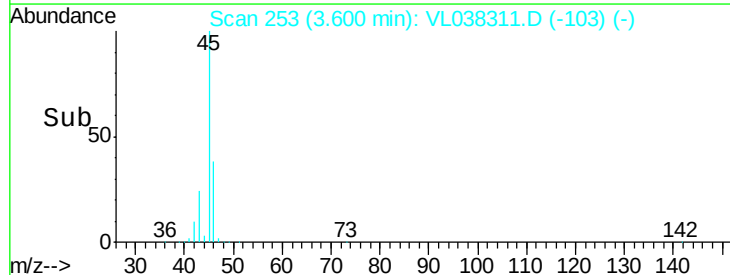
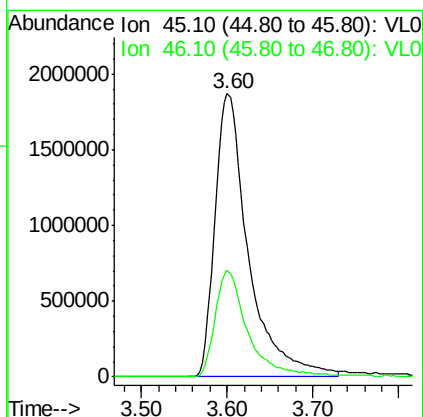
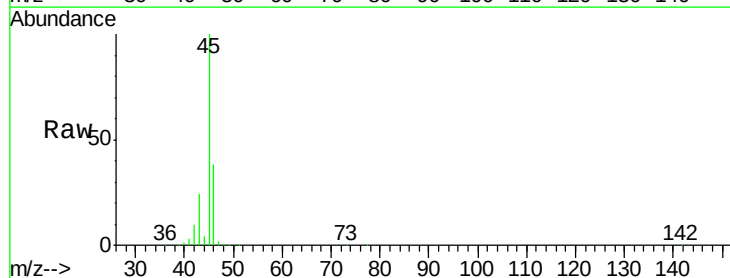
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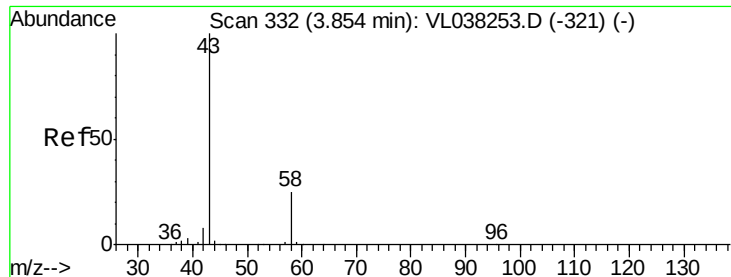
Reviewed By : Semsettin Yesilyurt 01/29/2022
 Supervised By : Amit Patel 02/02/2022



#13
 Ethanol
 Concen: 956.993 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.02 min
 Lab File: VL038311.D
 Acq: 28 Jan 2022 00:28

Tgt Ion: 45 Resp: 5078237
 Ion Ratio Lower Upper
 45 100
 46 37.0 15.4 61.6



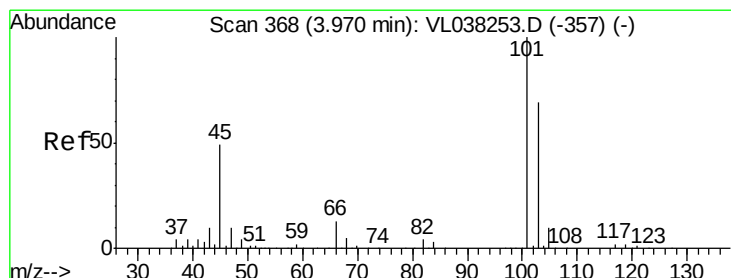
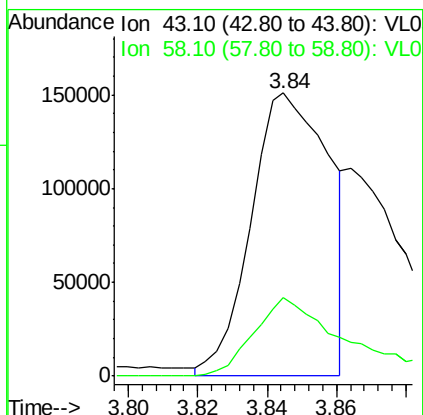
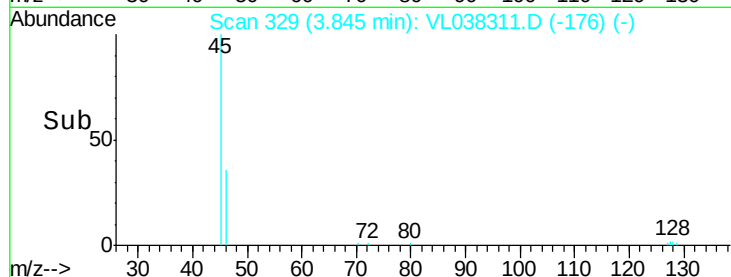
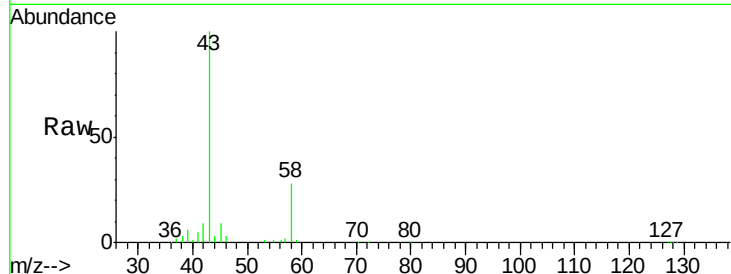


#15
Acetone
Concen: 3.517 ppbv m
RT: 3.84
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Jan 2022 00:28

Tgt Ion:
Ion Ratio
43 100
58 35.

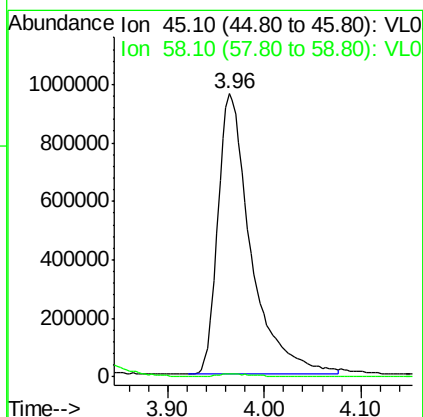
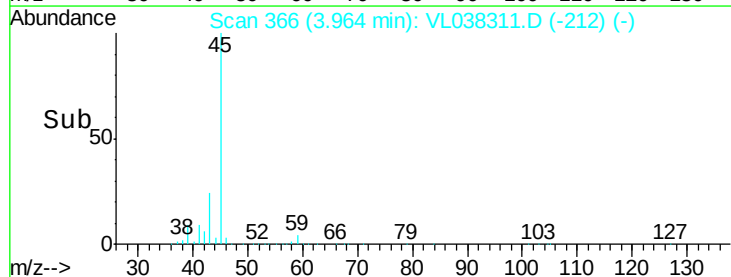
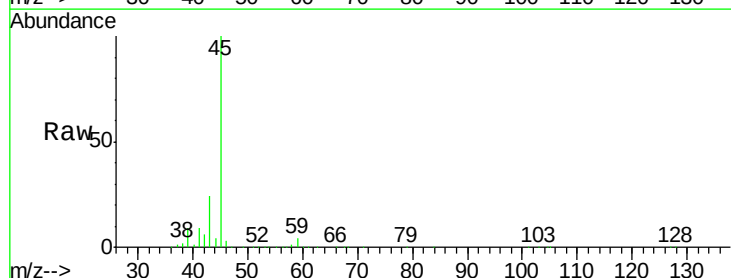
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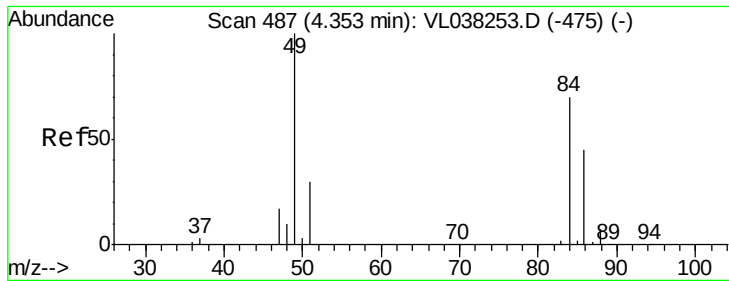
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#19
Isopropyl Alcohol
Concen: 54.340 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.01 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion: 45 Resp: 2285709
Ion Ratio Lower Upper
45 100
58 1.3 2.3 3.5#



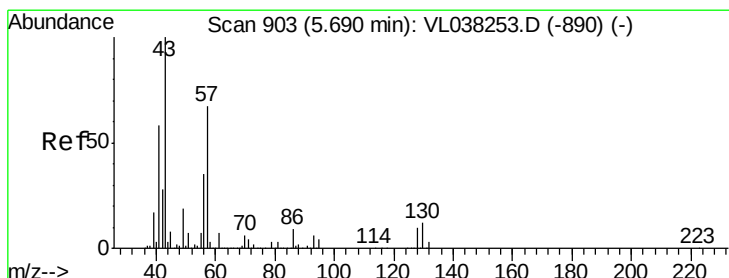
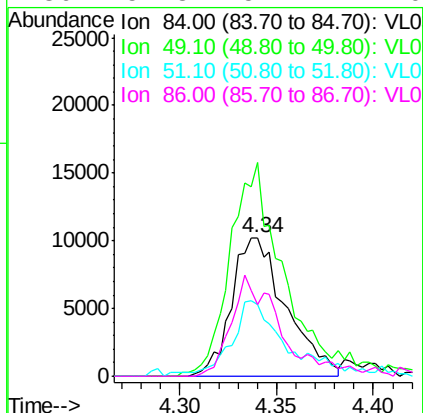
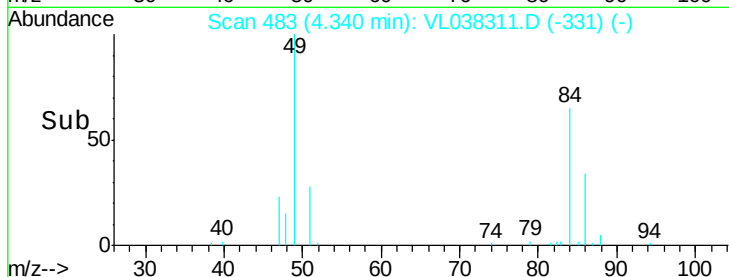
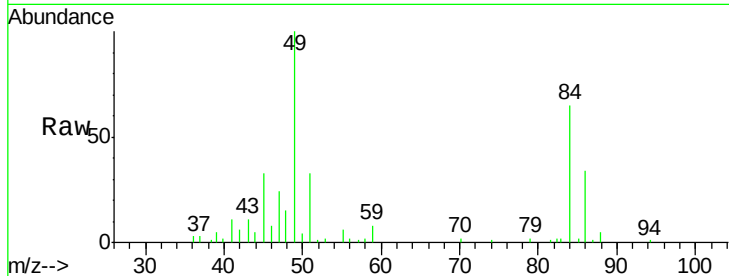


#20
Methylene Chloride
Concen: 0.512 ppbv
RT: 4.34
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jan 2022 00:28

Tgt Ion: 84
Ion Ratio: 100
49 151.
51 49.
86 51.8 51.4 77.0

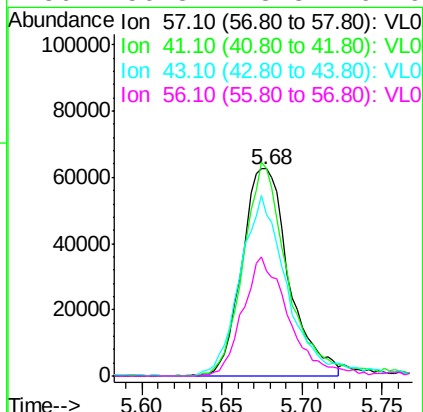
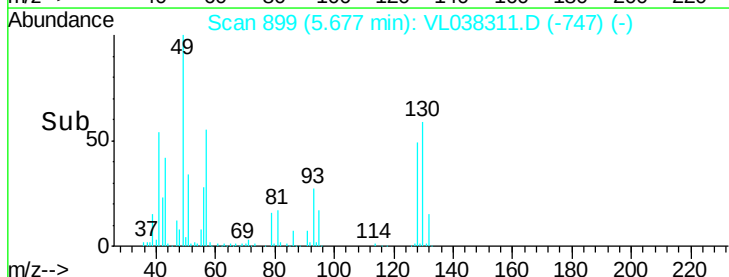
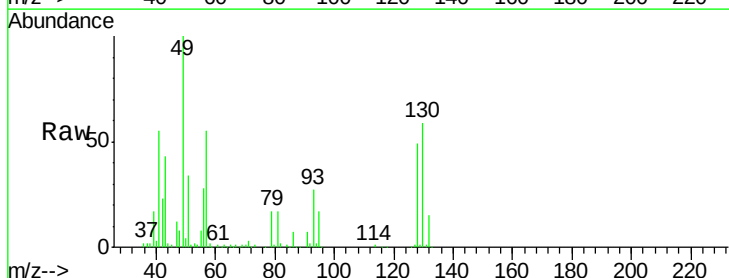
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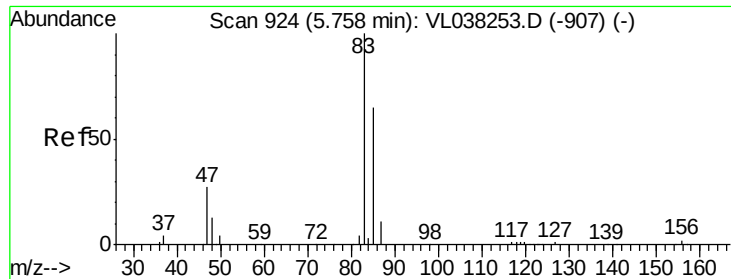
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#26
Hexane
Concen: 1.444 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion: 57 Resp: 126451
Ion Ratio Lower Upper
57 100
41 99.6 72.8 109.2
43 91.2 177.0 265.6#
56 56.3 43.3 64.9



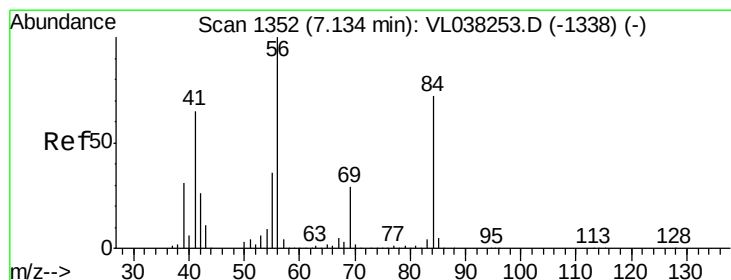
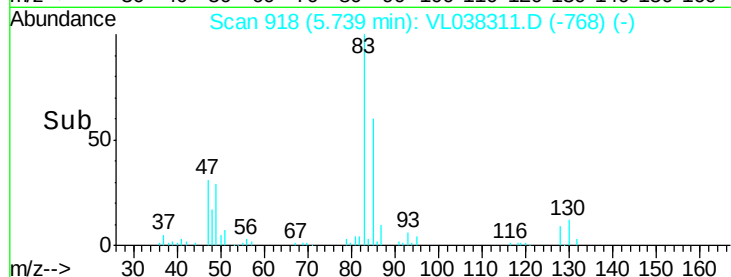
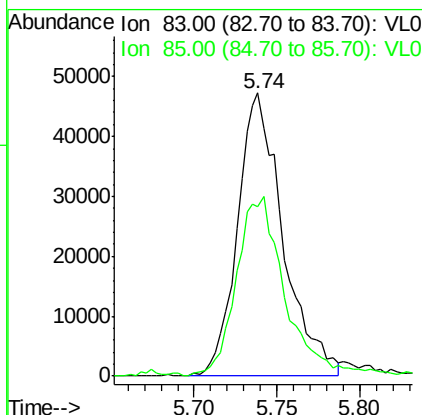
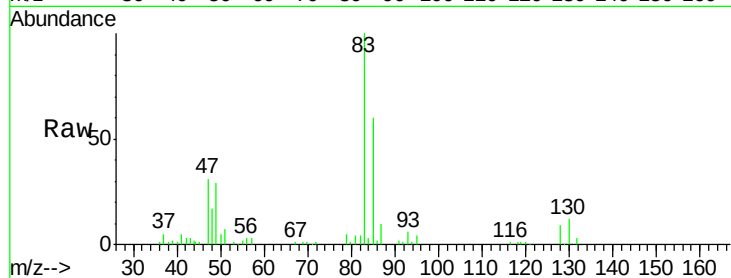


#29
Chloroform
Concen: 0.632 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Jan 2022 00:28

Tgt Ion:
Ion Ratio
83 100
85 59.

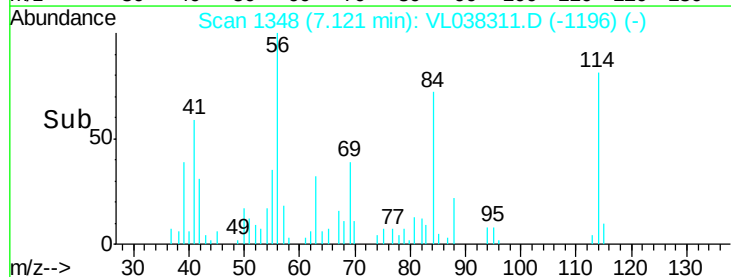
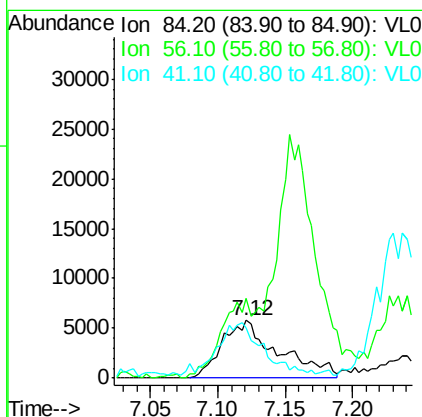
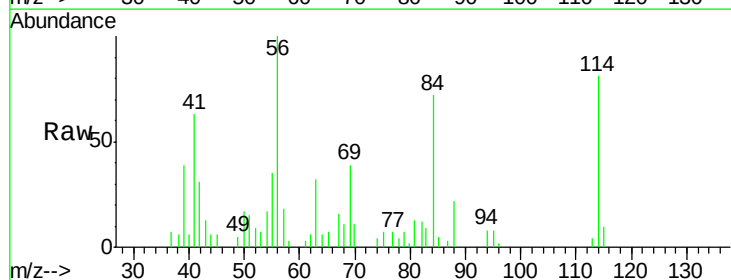
Manual Integrations
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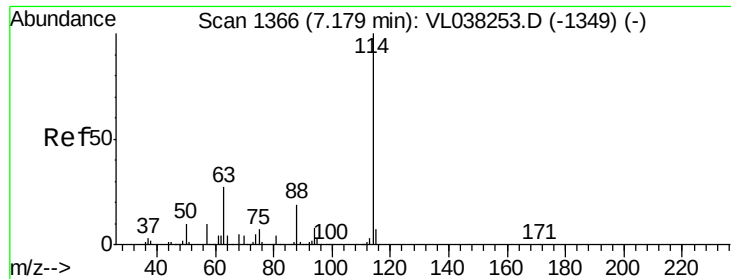
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#30
Cyclohexane
Concen: 0.221 ppbv m
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion: 84 Resp: 16849
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 0.0 71.1 106.7#



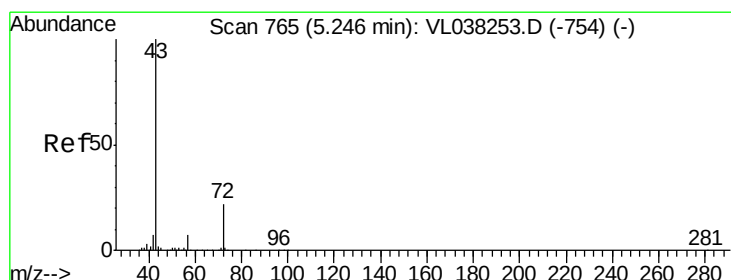
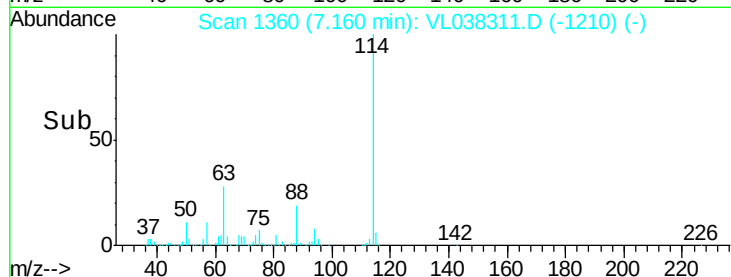
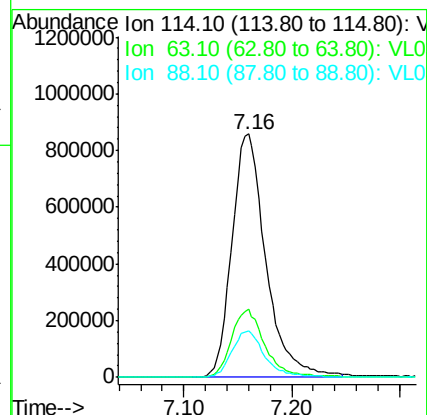
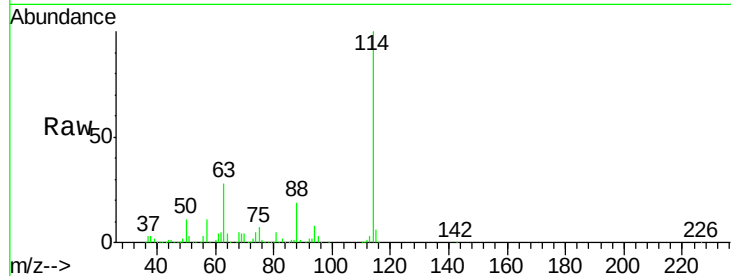


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 00:28

Tgt Ion: 114
 Ion Ratio: 100
 63 27.1
 88 19.1

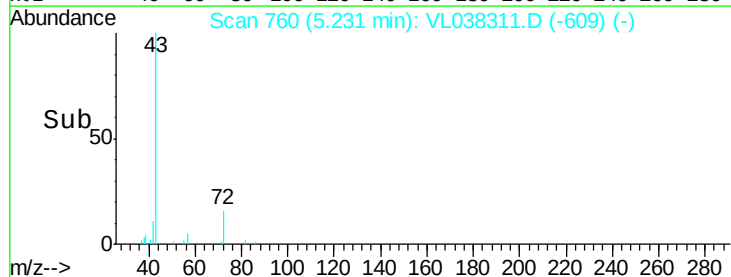
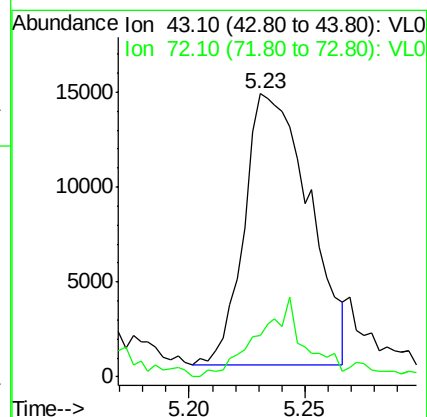
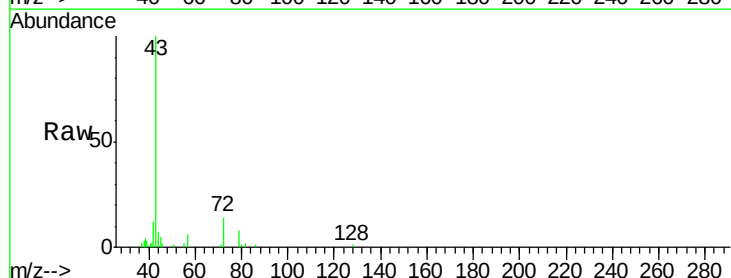
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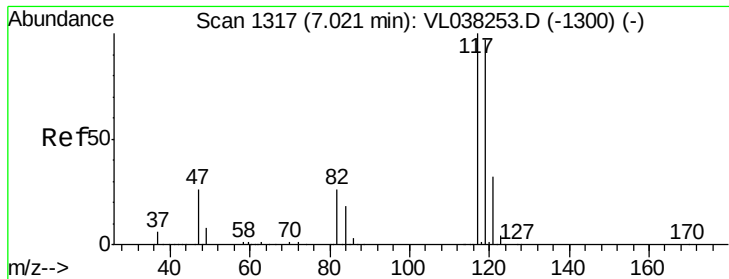
Reviewed By :Semsettin Yesilyurt 01/29/2022
 Supervised By :Amit Patel 02/02/2022



#34
 2-Butanone
 Concen: 0.449 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL038311.D
 Acq: 28 Jan 2022 00:28

Tgt Ion: 43 Resp: 27685
 Ion Ratio Lower Upper
 43 100
 72 23.9 18.1 27.1





#35

Carbon Tetrachloride

Concen: 0.078 ppbv m

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 00:28

Tgt Ion:1

Ion Ratio

117 100

119 83.

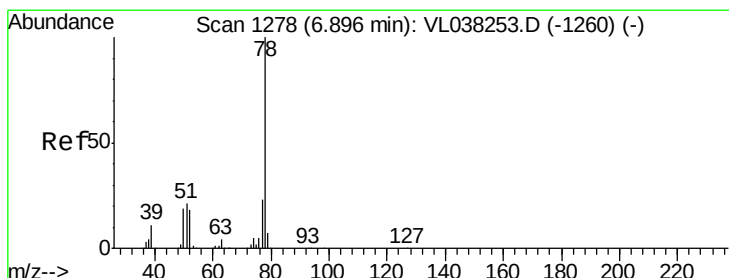
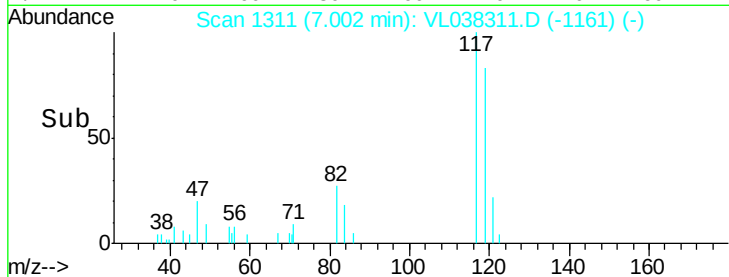
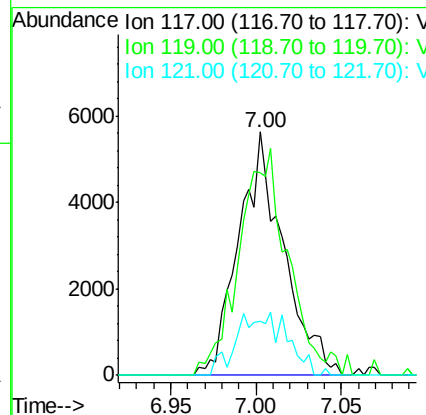
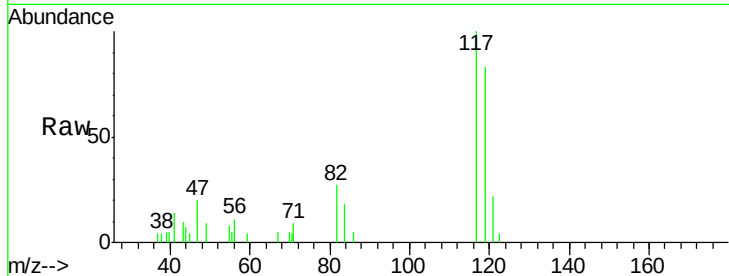
121 22.

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#36

Benzene

Concen: 0.302 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VL038311.D

Acq: 28 Jan 2022 00:28

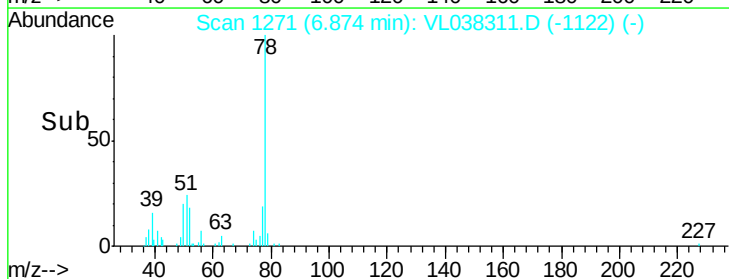
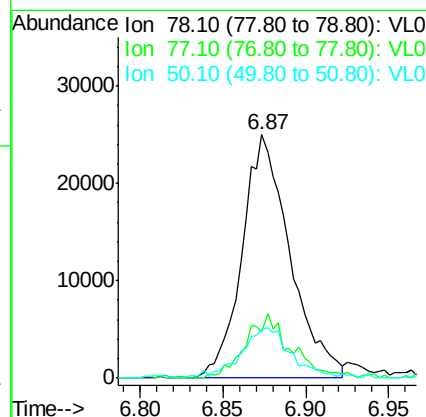
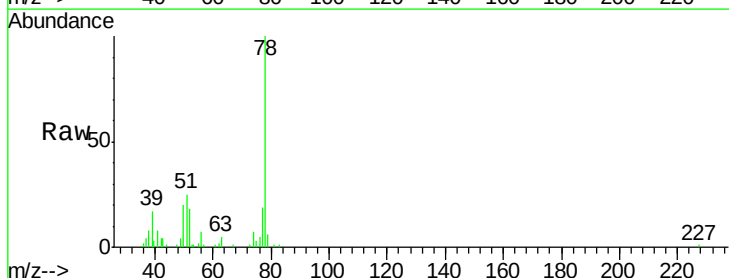
Tgt Ion: 78 Resp: 50309

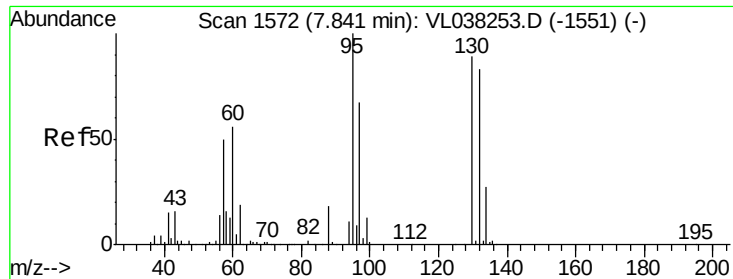
Ion Ratio Lower Upper

78 100

77 19.4 18.2 27.2

50 19.6 15.1 22.7





#38

Trichloroethene

Concen: 0.474 ppbv m

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 00:28

Tgt Ion:1

Ion Ratio

130 100

95 119.

132 94.

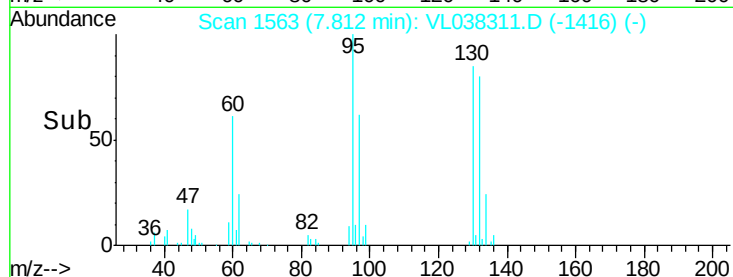
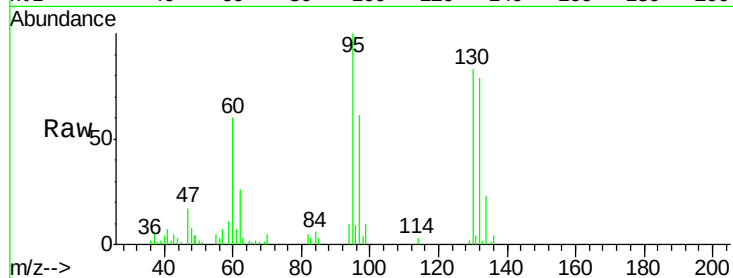
97 73.2 59.6 89.4

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022

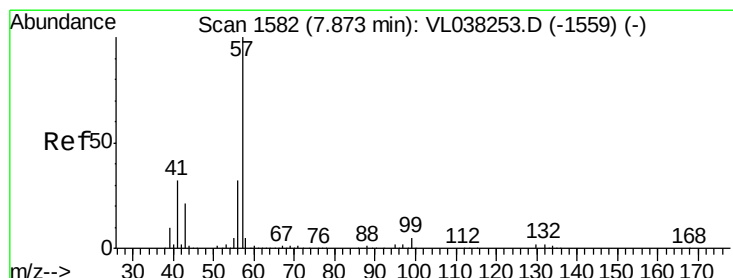
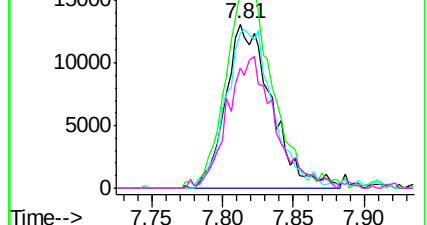


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.234 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.02 min

Lab File: VL038311.D

Acq: 28 Jan 2022 00:28

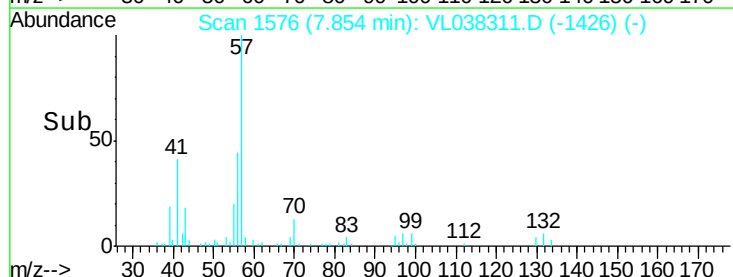
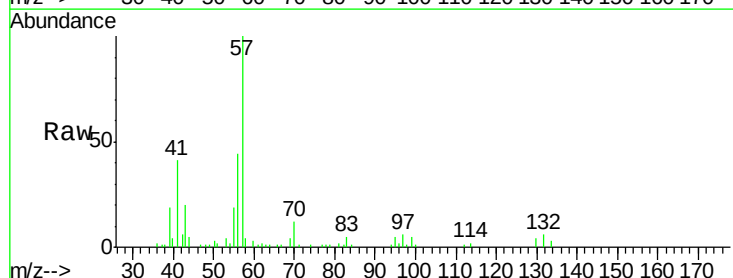
Tgt Ion: 57 Resp: 68706

Ion Ratio Lower Upper

57 100

41 44.8 26.3 39.5#

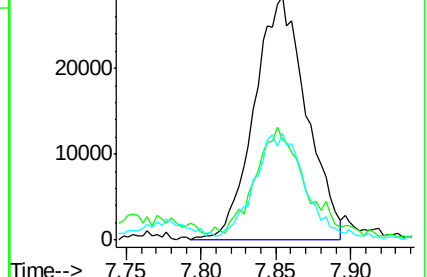
56 45.0 25.2 37.8#

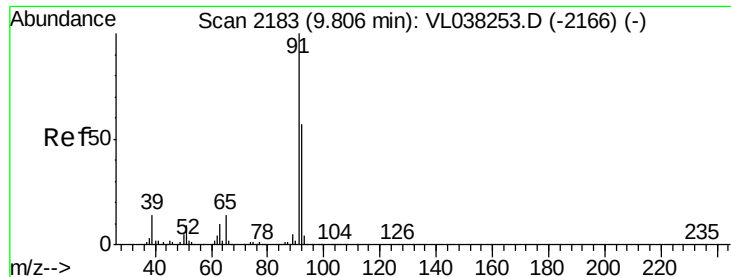


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



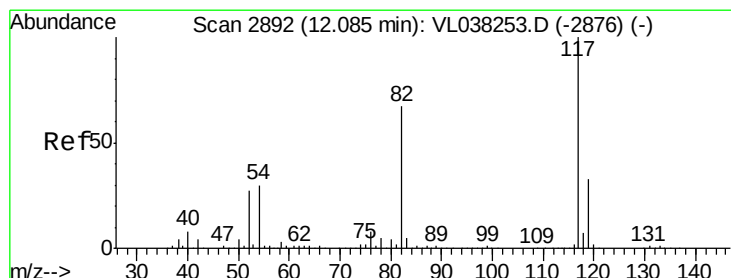
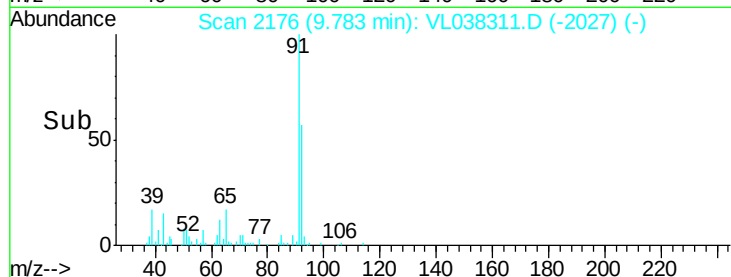
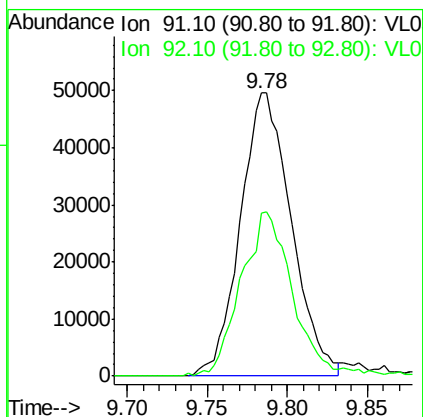
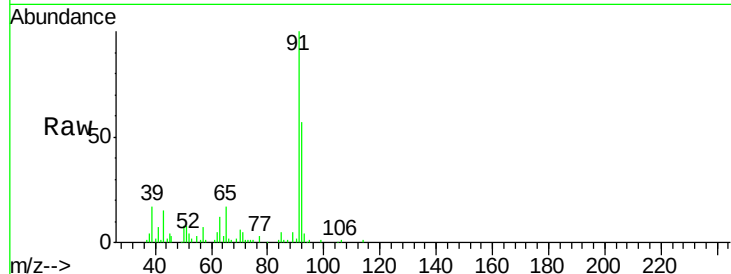


#53
Toluene
Concen: 0.587 ppbv
RT: 9.78
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Jan 2022 00:28

Tgt Ion:
Ion Ratio
91 100
92 60.

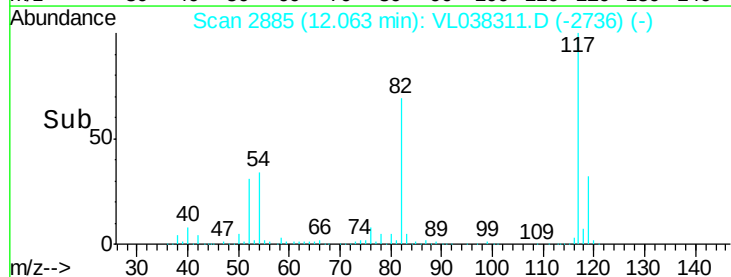
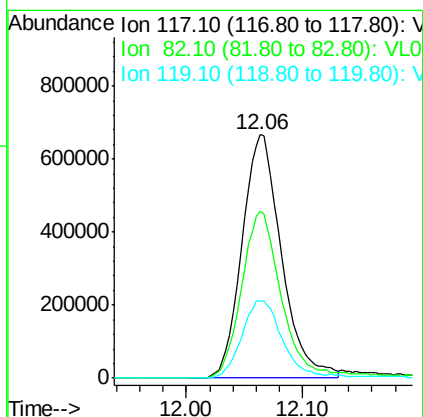
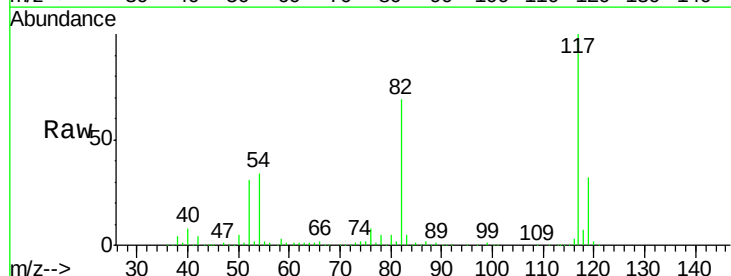
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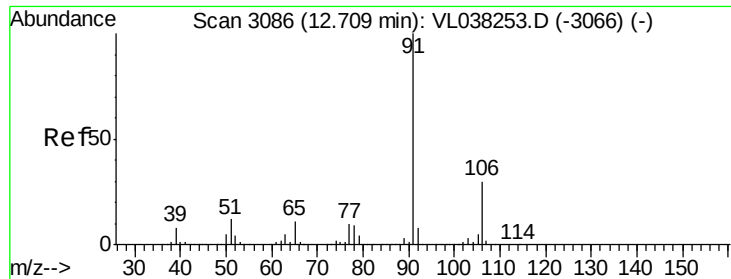
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.02 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion:117 Resp: 1576138
Ion Ratio Lower Upper
117 100
82 72.0 54.4 81.6
119 34.3 45.9 68.9#



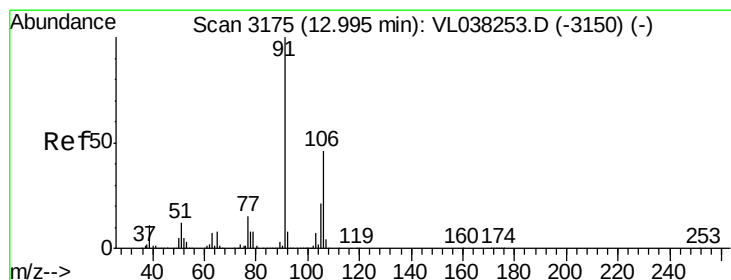
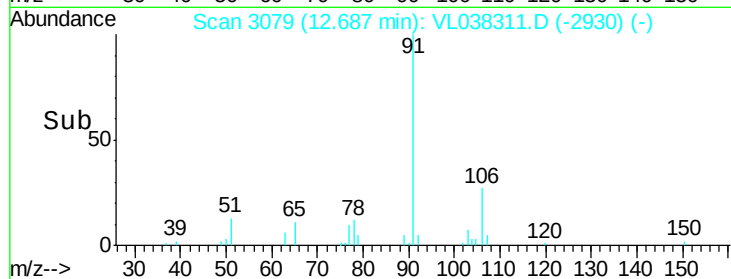
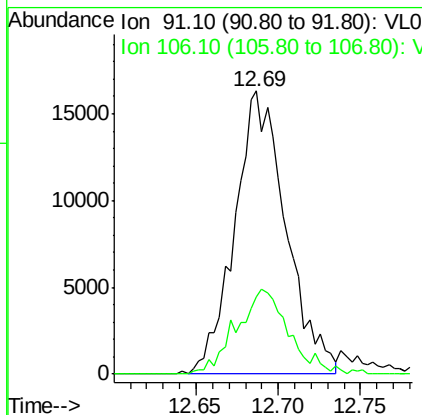
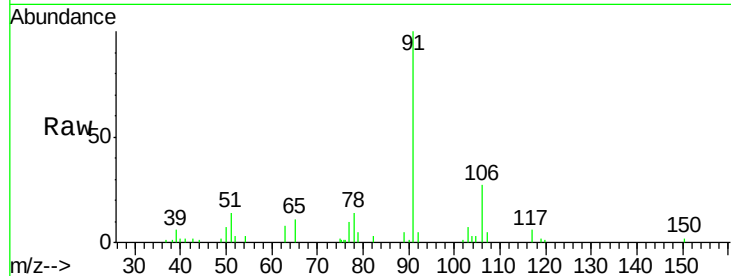


#58
Ethyl Benzene
Concen: 0.153 ppbv m
RT: 12.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Jan 2022 00:28

Tgt Ion:
Ion Ratio
91 100
106 27.

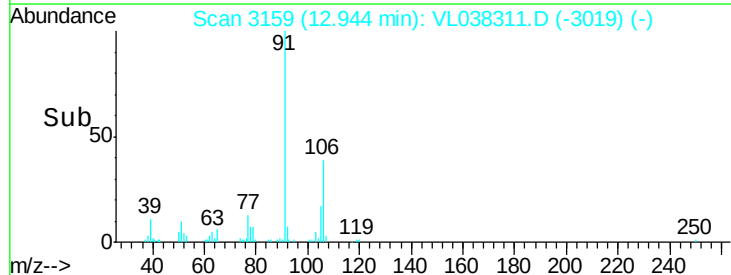
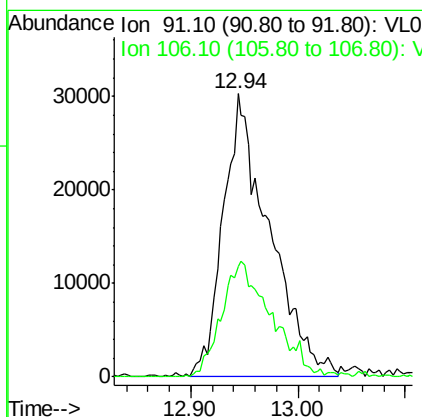
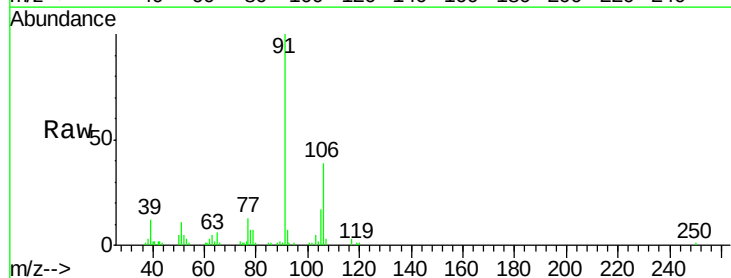
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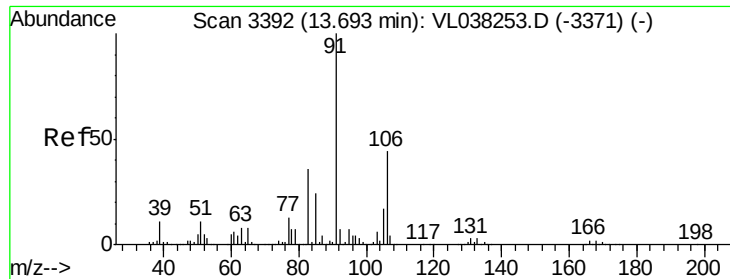
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#59
m/p-Xylene
Concen: 0.458 ppbv m
RT: 12.94 min Scan# 3159
Delta R.T. -0.05 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion: 91 Resp: 90490
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2#



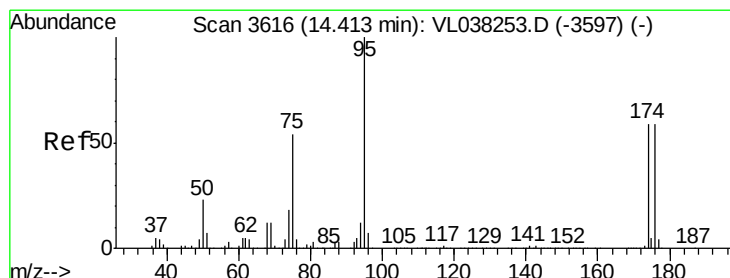
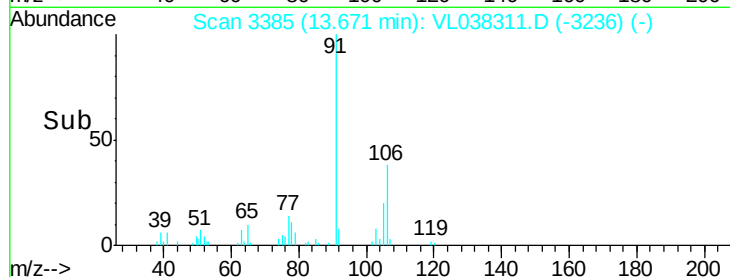
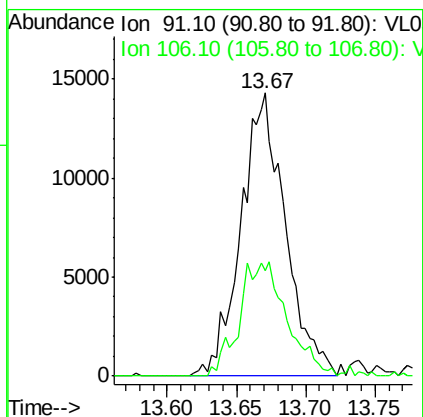
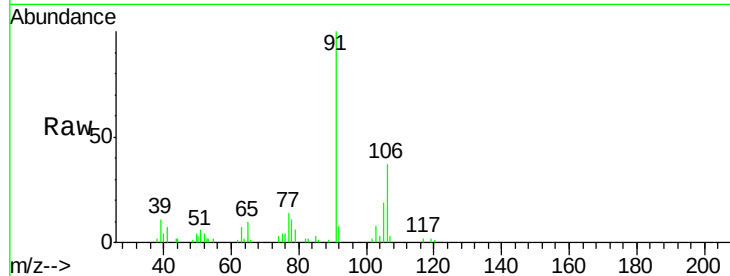


#60
o-Xylene
Concen: 0.174 ppbv m
RT: 13.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Jan 2022 00:28

Tgt Ion:
Ion Ratio
91 100
106 44.

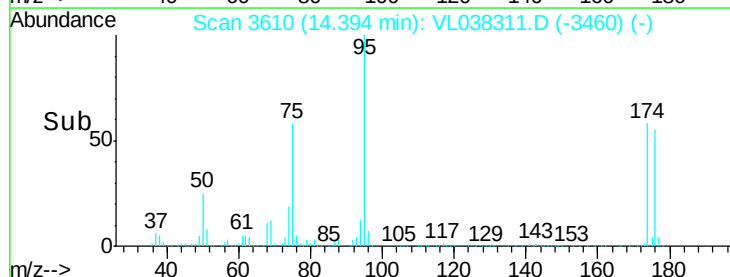
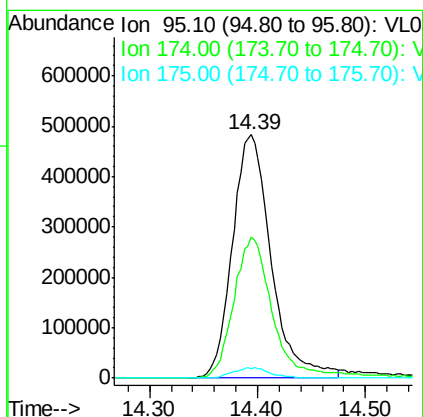
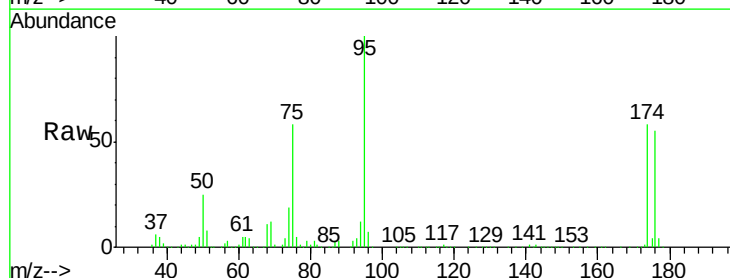
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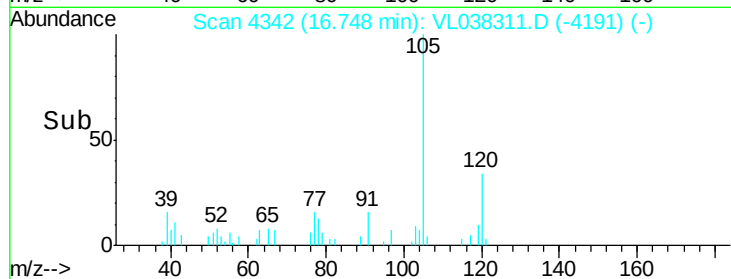
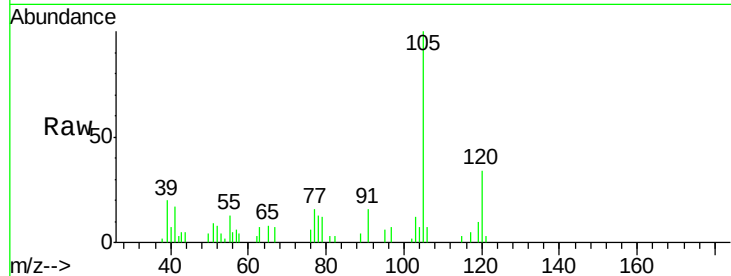
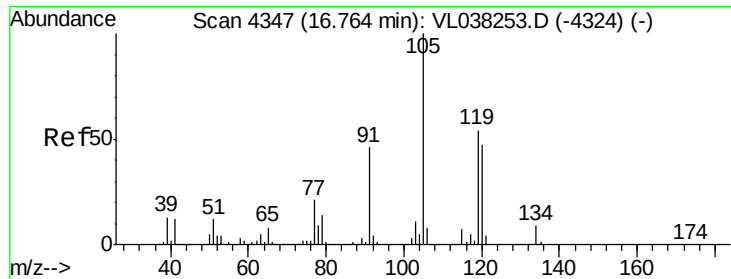
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.100 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL038311.D
Acq: 28 Jan 2022 00:28

Tgt Ion: 95 Resp: 1208201
Ion Ratio Lower Upper
95 100
174 59.8 48.3 72.5
175 4.3 3.5 5.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.102 ppbv m
 RT: 16.75
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Jan 2022 00.28

Tgt Ion:1
 Ion Rati
 105 100
 120 33.
 91 15.
 77 16.2 16.9 25.3#

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Reviewed By :Semsettin Yesilyurt 01/29/2022
 Supervised By :Amit Patel 02/02/2022

