

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038853.D
 Acq On : 7 Apr 2022 22:48
 Operator : SY/AP
 Sample : N2273-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1160-1-SG-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/09/2022
 Supervised By : Mahesh Dadoda 04/11/2022

Quant Time: Apr 08 09:28:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1194603	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2997614	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	2580154	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2048238	10.47	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

					Ovalue
9) Propene	3.05	41	1046403m	13.566	ppbv
10) Heptane	8.15	43	85746	0.441	ppbv 95
13) Ethanol	3.63	45	153978m	32.848	ppbv
15) Acetone	3.87	43	14100864	118.561	ppbv 91
19) Isopropyl Alcohol	3.99	45	104197	1.714	ppbv # 100
20) Methylene Chloride	4.37	84	30145	0.699	ppbv # 85
26) Hexane	5.71	57	52000	0.379	ppbv # 56
30) Cyclohexane	7.16	84	14403	0.119	ppbv # 10
34) 2-Butanone	5.27	43	39296m	0.332	ppbv
36) Benzene	6.92	78	27994	0.103	ppbv 99
44) 2,2,4-Trimethylpentane	7.90	57	164158	0.356	ppbv # 79
50) 4-Methyl-2-Pentanone	8.78	43	83351	0.313	ppbv 93
52) Tetrachloroethene	11.26	164	15613m	0.164	ppbv
53) Toluene	9.84	91	213842	0.679	ppbv 99
58) Ethyl Benzene	12.74	91	232836	0.604	ppbv 89
59) m/p-Xylene	13.00	91	737116	2.276	ppbv 99
60) o-Xylene	13.72	91	244809	0.808	ppbv 91
72) 4-Ethyltoluene	15.87	105	73277m	0.202	ppbv
73) 1,3,5-Trimethylbenzene	16.02	105	55512	0.171	ppbv # 85
74) 1,2,4-Trimethylbenzene	16.79	105	137873	0.401	ppbv # 64

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

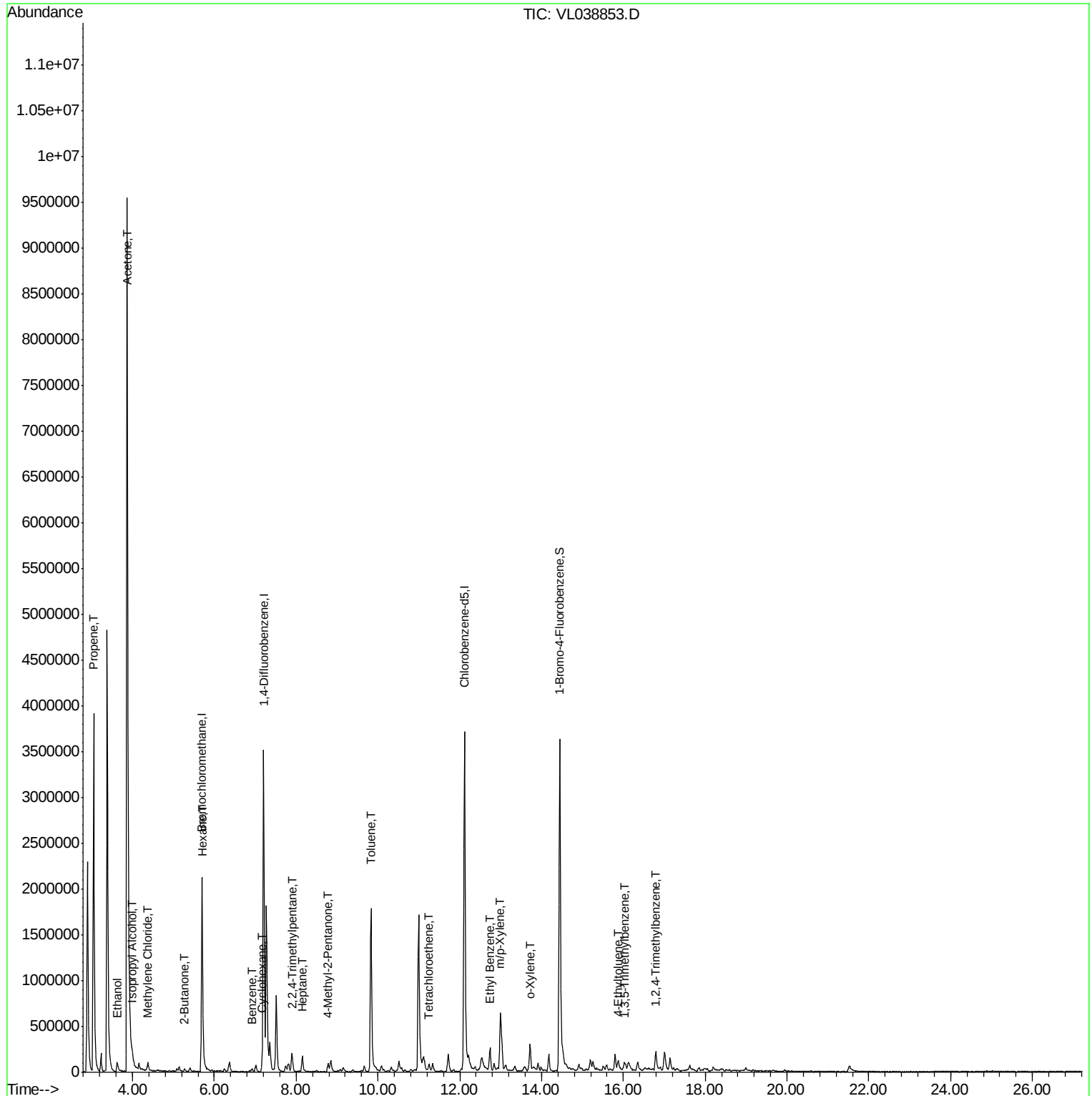
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038853.D
Acq On : 7 Apr 2022 22:48
Operator : SY/AP
Sample : N2273-05DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

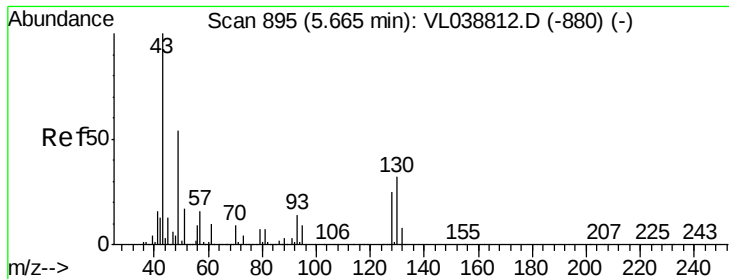
Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-2DL

Quant Time: Apr 08 09:28:36 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Apr 2022 22:48

Tot Ion:

Ion Ratio

49 100

128 47.

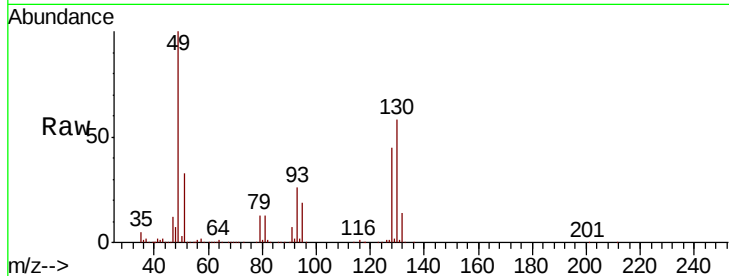
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

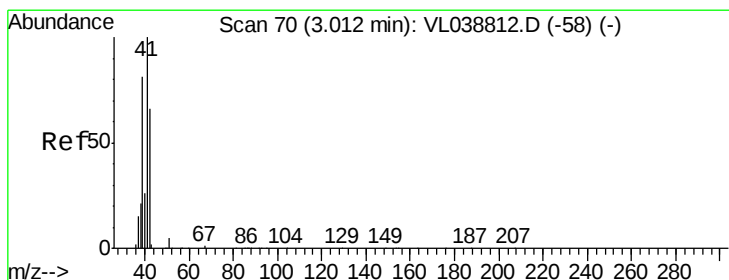
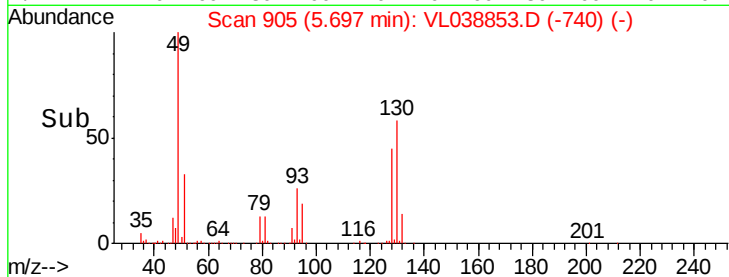
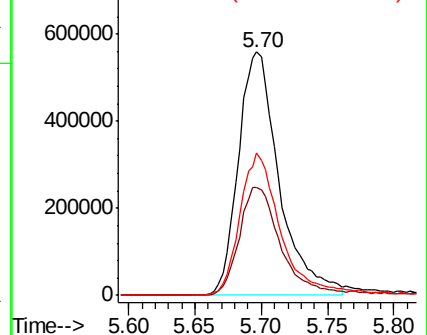
Supervised By :Mahesh Dadoda 04/11/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 13.566 ppbv m

RT: 3.05 min Scan# 81

Delta R.T. 0.04 min

Lab File: VL038853.D

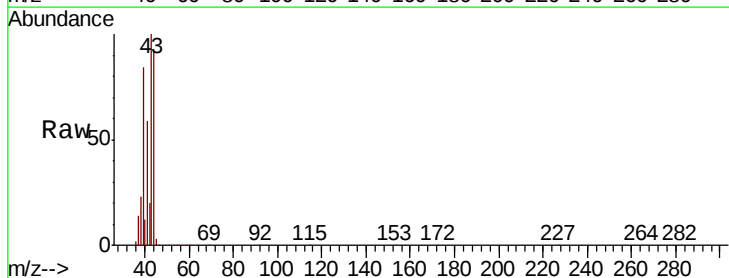
Acq: 7 Apr 2022 22:48

Tgt Ion: 41 Resp: 1046403

Ion Ratio Lower Upper

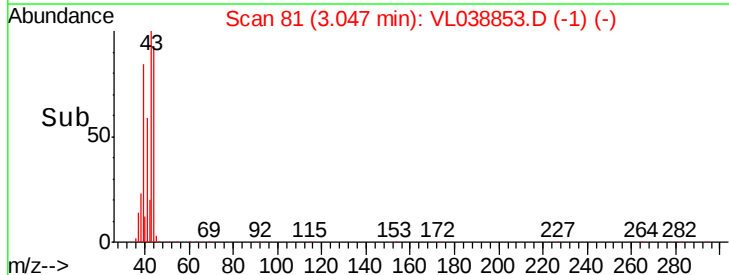
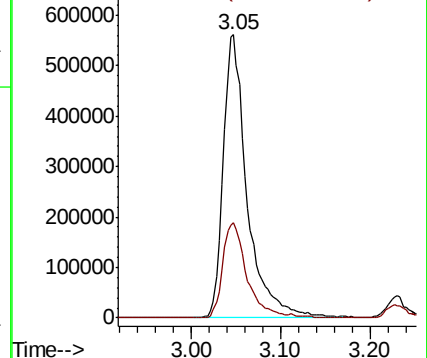
41 100

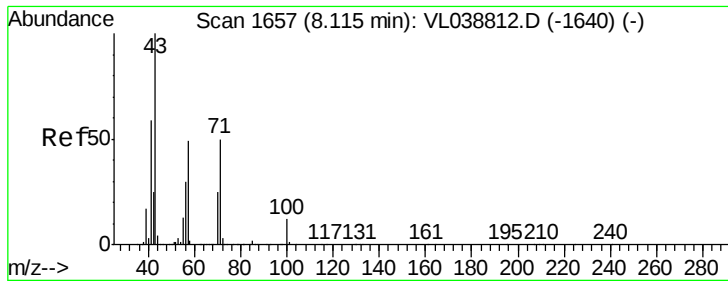
42 4.1 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



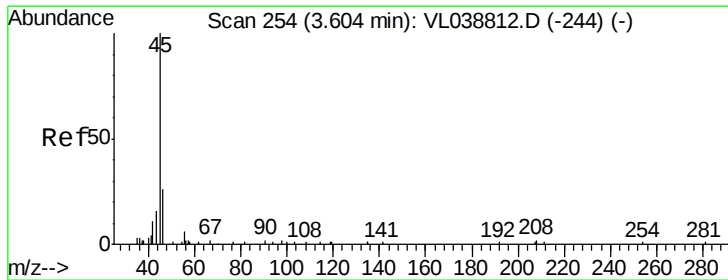
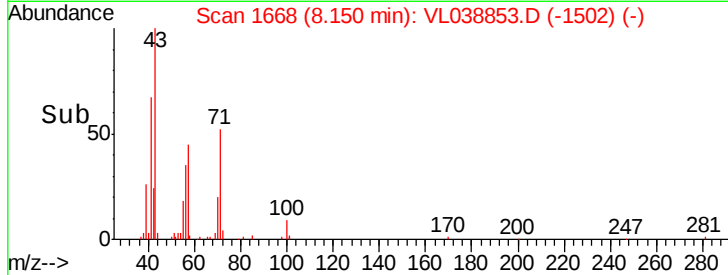
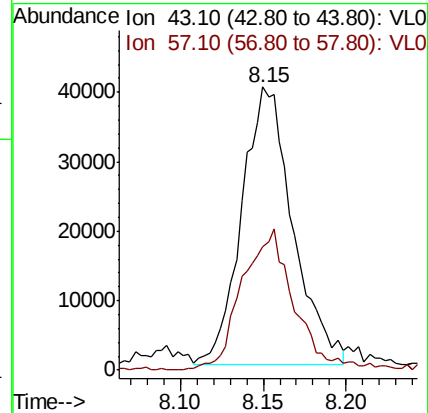
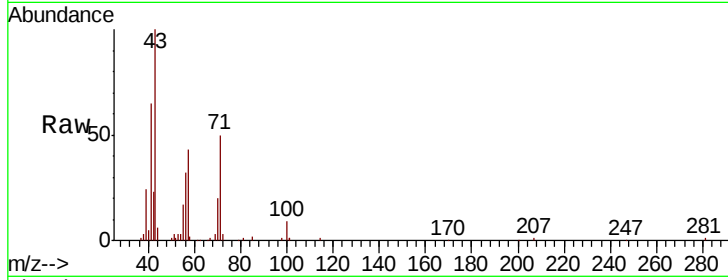


#10
Heptane
Concen: 0.441 ppbv
RT: 8.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
43 100
57 52.

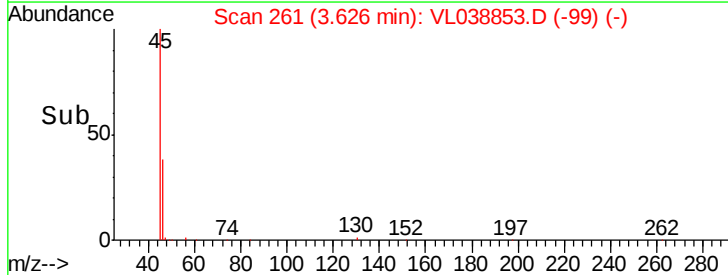
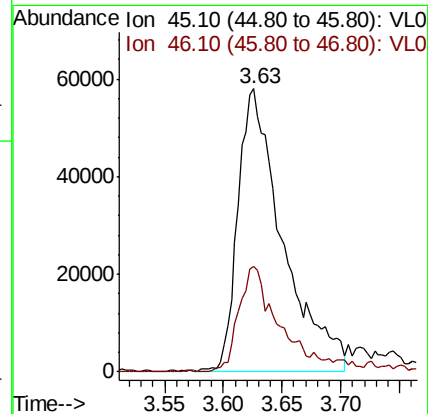
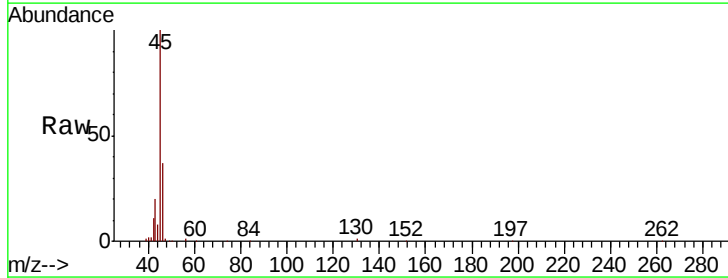
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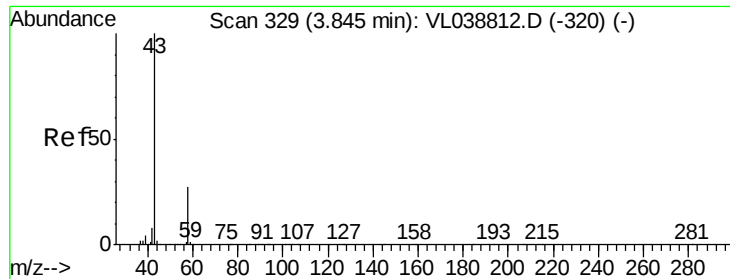
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 32.848 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 45 Resp: 153978
Ion Ratio Lower Upper
45 100
46 37.2 0.0 0.0#



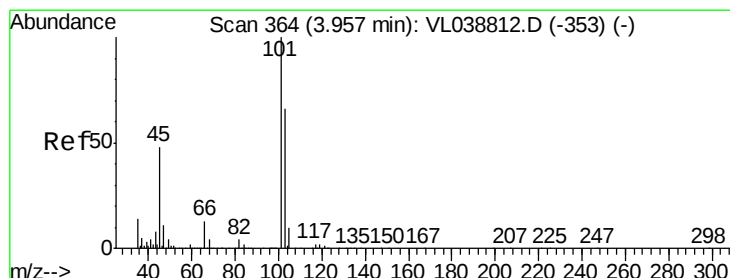
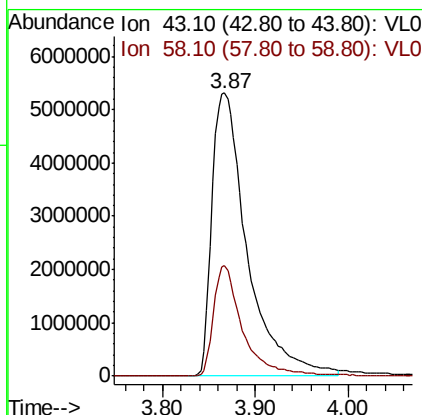
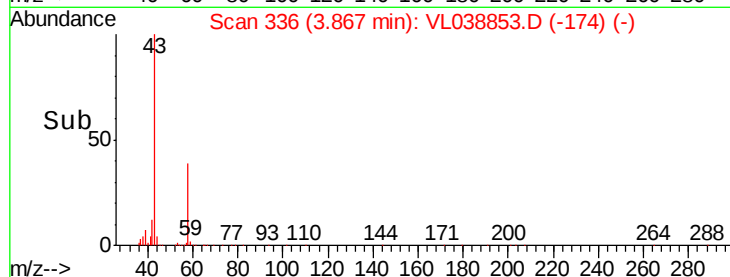
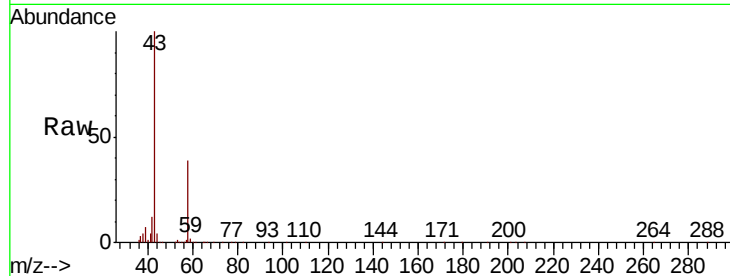


#15
Acetone
Concen: 118.561 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
43 100
58 32.

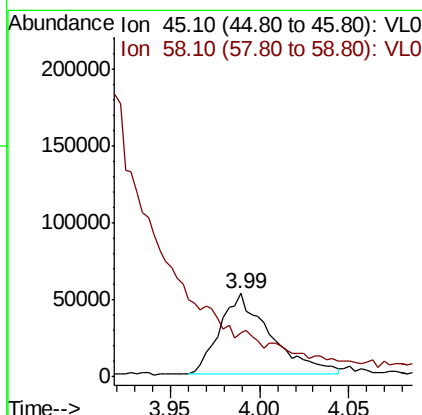
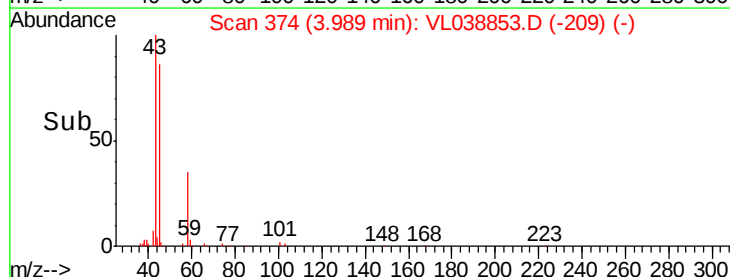
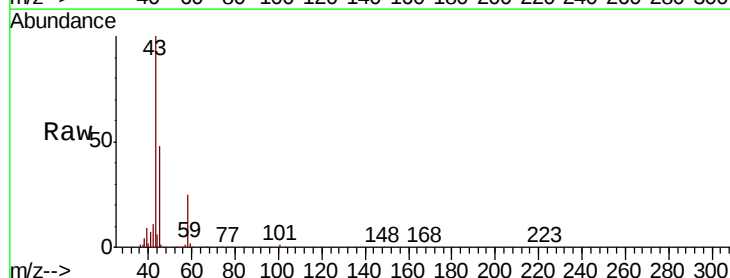
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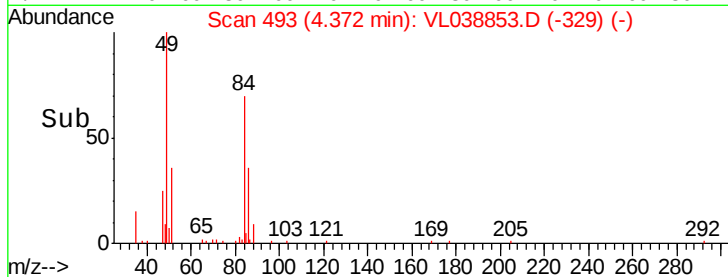
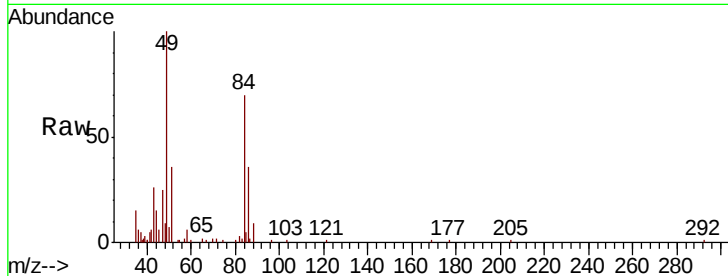
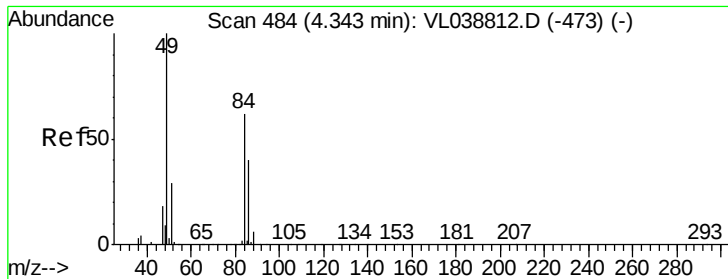
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 1.714 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 45 Resp: 104197
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



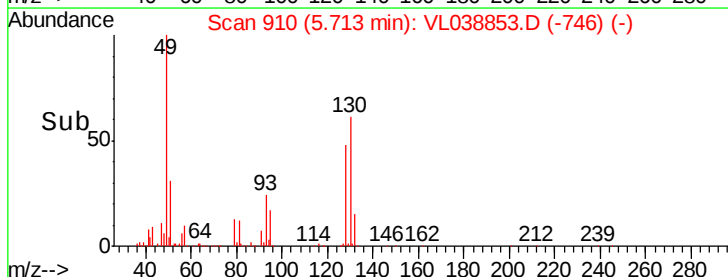
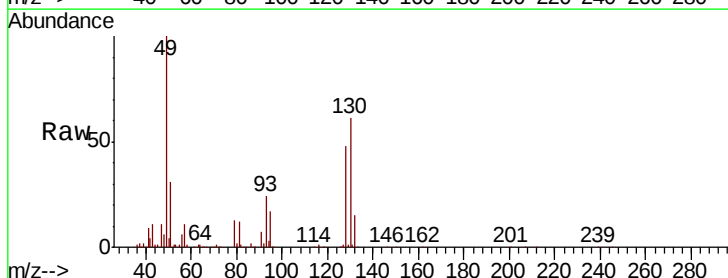
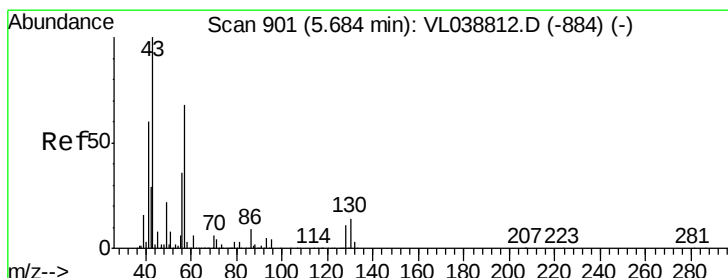
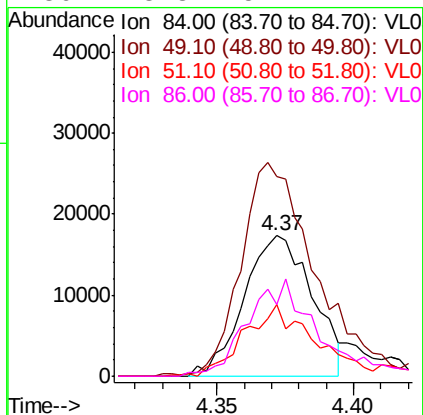


#20
Methvlene Chloride
Concen: 0.699 ppbv
RT: 4.37
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
84 100
49 140.
51 49.
86 48.3 51.4 77.2#

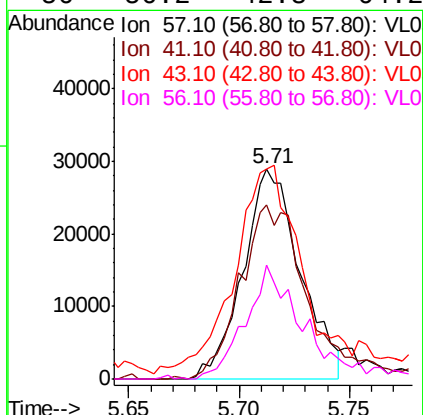
Manual Integrations
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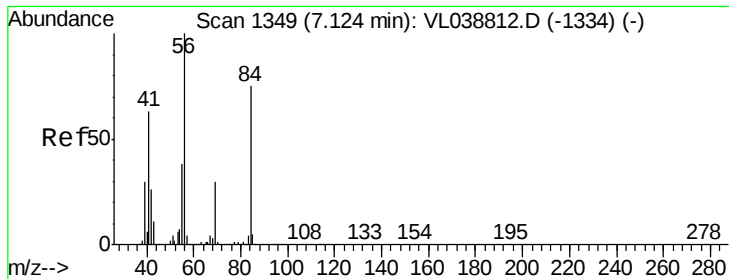
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#26
Hexane
Concen: 0.379 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 57 Resp: 52000
Ion Ratio Lower Upper
57 100
41 100.4 72.0 108.0
43 124.6 186.6 280.0#
56 56.2 42.8 64.2



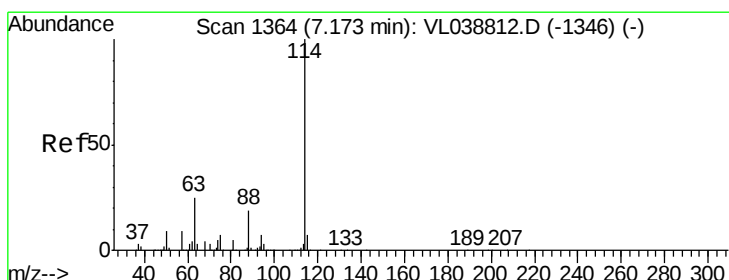
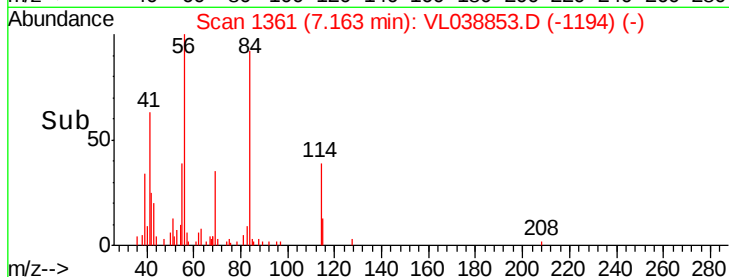
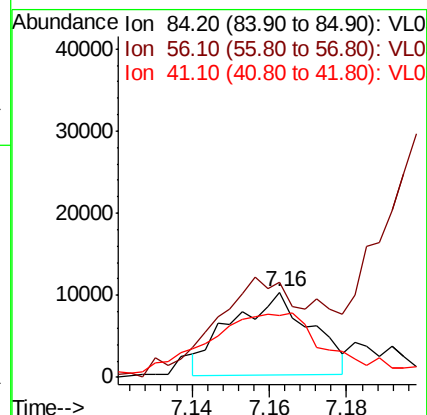
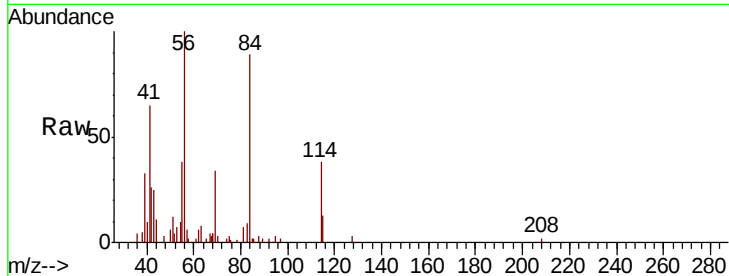


#30
Cvclohexane
Concen: 0.119 ppbv
RT: 7.16 min
Delta R.T.: 0.03 min
Lab File: VL038812.D
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
84 100
56 0.
41 128.

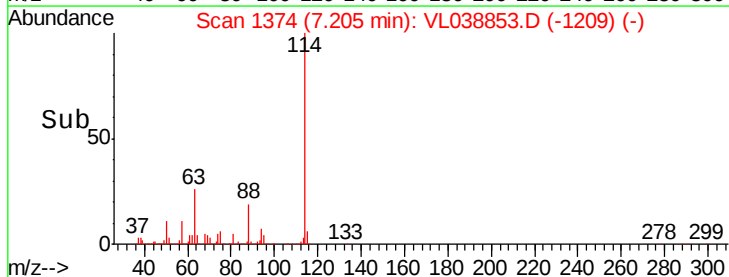
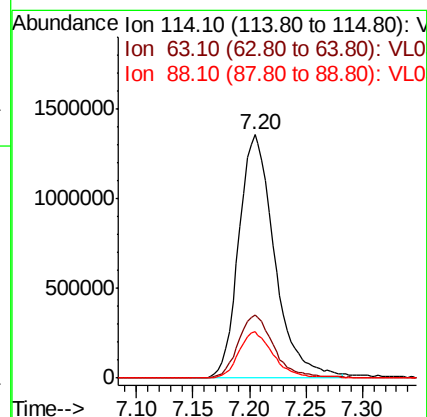
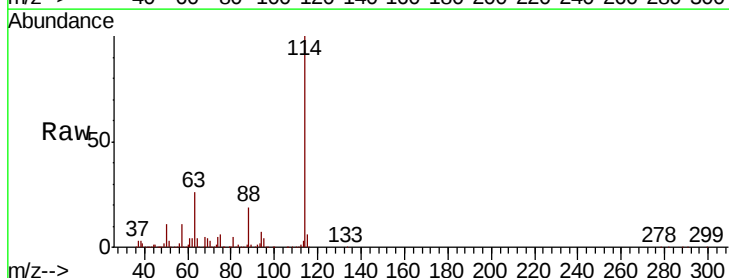
Manual Integrations
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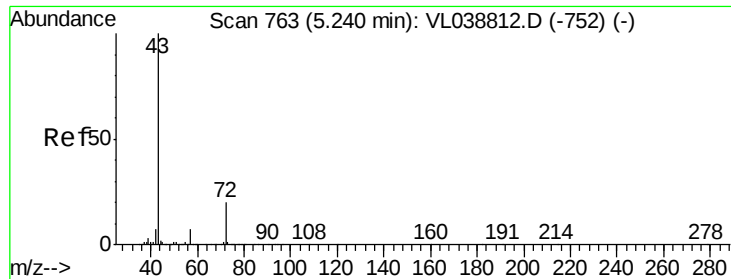
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T.: 0.03 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion:114 Resp: 2997614
Ion Ratio Lower Upper
114 100
63 26.2 19.8 29.8
88 18.8 14.2 21.4



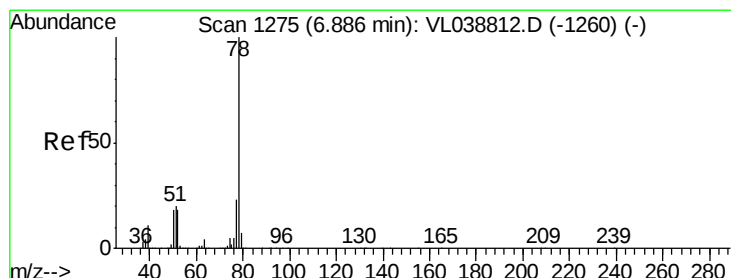
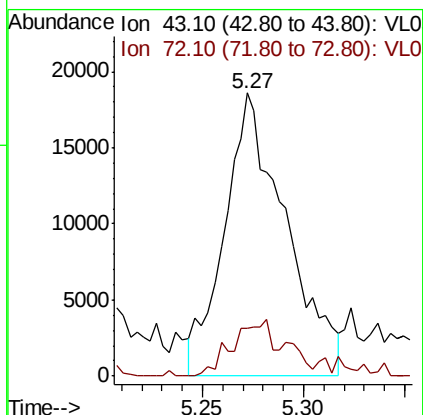
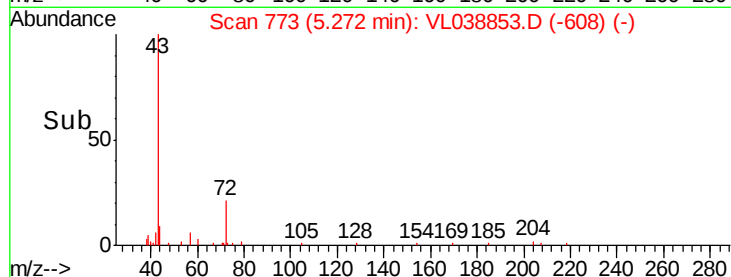
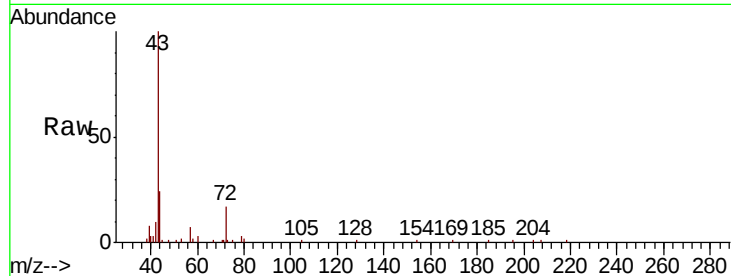


#34
2-Butanone
Concen: 0.332 ppbv m
RT: 5.27
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
43 100
72 0.

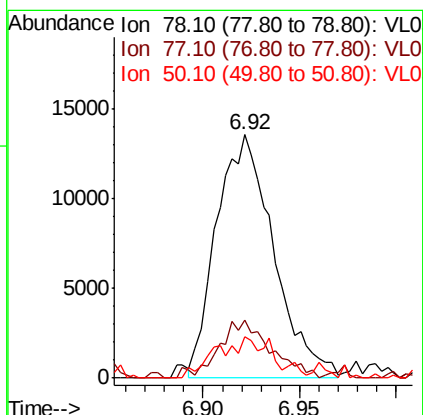
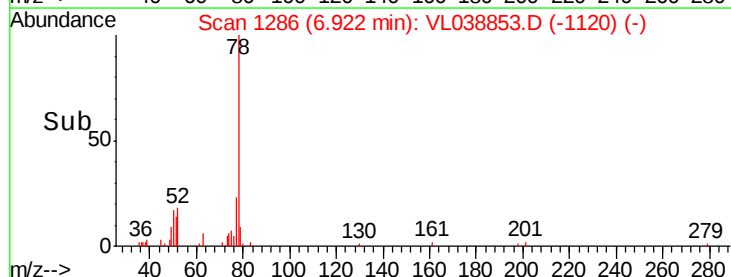
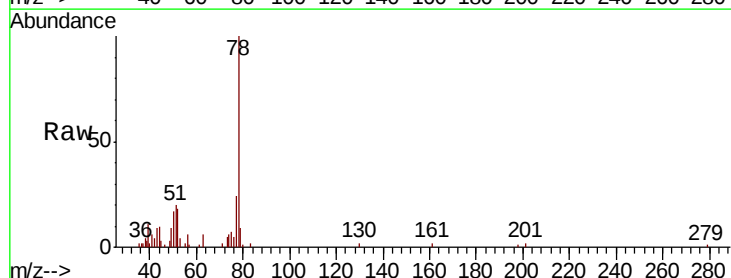
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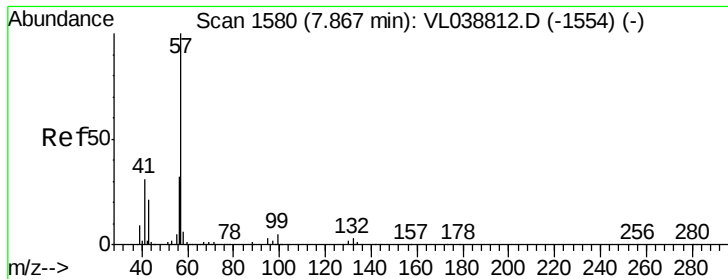
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#36
Benzene
Concen: 0.103 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 78 Resp: 27994
Ion Ratio Lower Upper
78 100
77 21.9 18.2 27.2
50 17.2 14.0 21.0



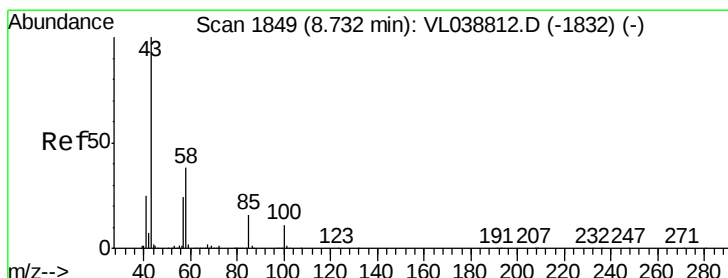
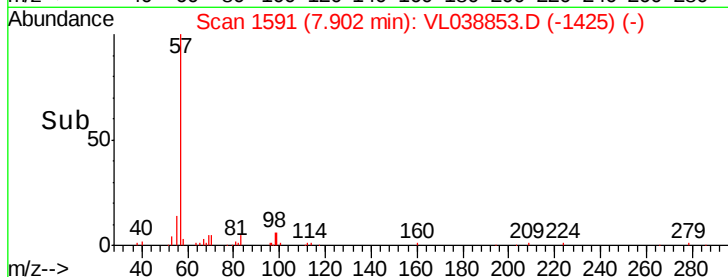
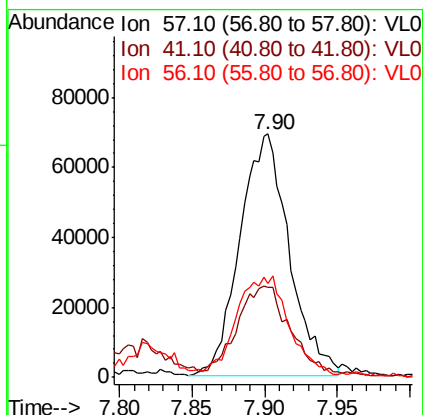
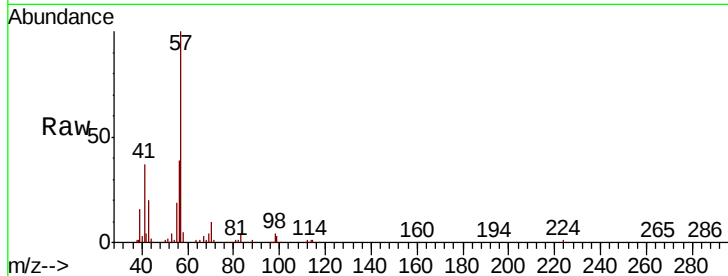


#44
 2,2,4-Trimethylpentane
 Concen: 0.356 ppbv
 RT: 7.90
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:48

Tot Ion:
 Ion Ratio
 57 100
 41 41.
 56 44.

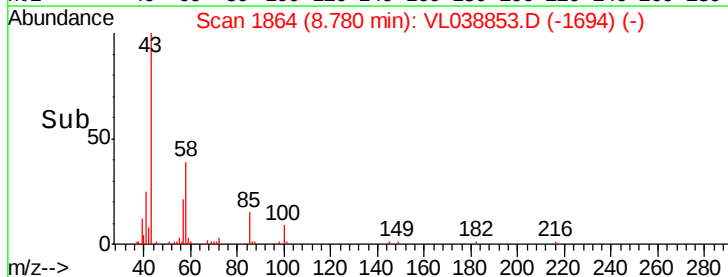
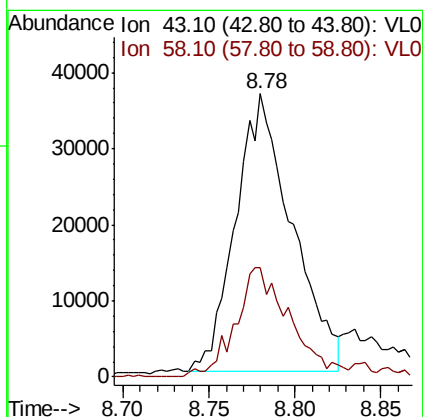
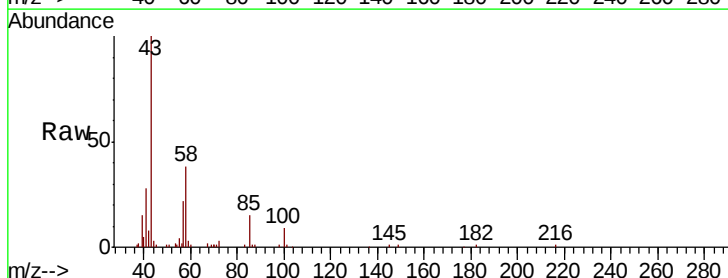
Manual Integrations
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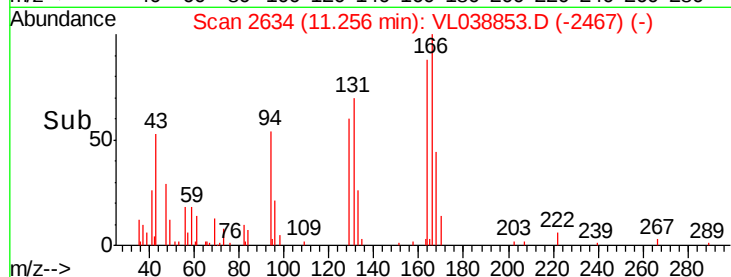
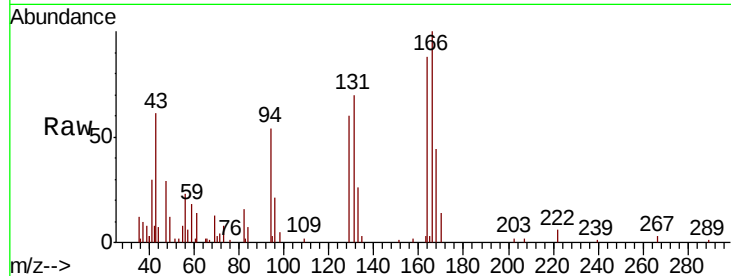
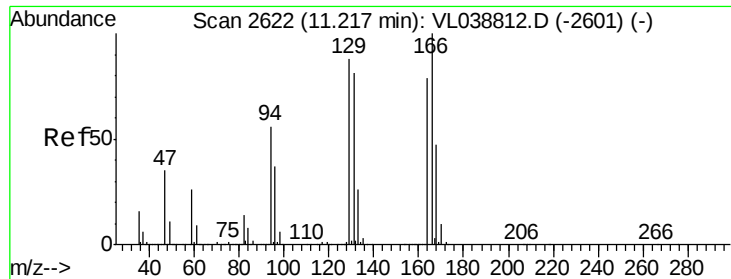
Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#50
 4-Methyl-2-Pentanone
 Concen: 0.313 ppbv
 RT: 8.78 min Scan# 1864
 Delta R.T. 0.05 min
 Lab File: VL038853.D
 Acq: 7 Apr 2022 22:48

Tgt Ion: 43 Resp: 83351
 Ion Ratio Lower Upper
 43 100
 58 40.5 29.0 43.6





#52

Tetrachloroethene

Concen: 0.164 ppbv m

RT: 11.26

Delta R.T. MSVOA_L

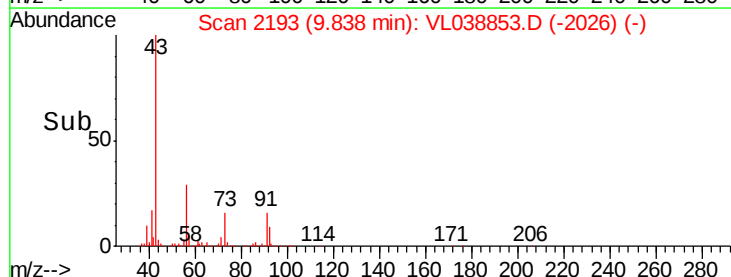
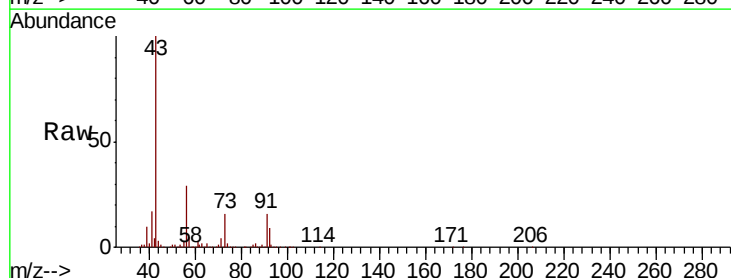
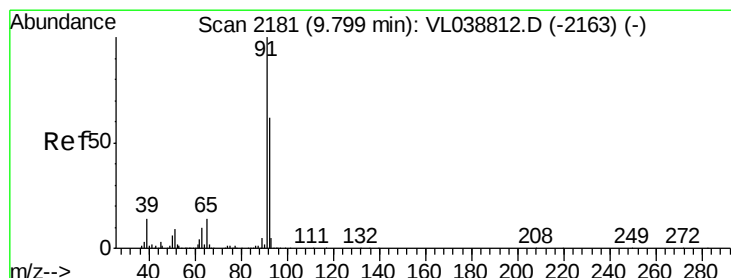
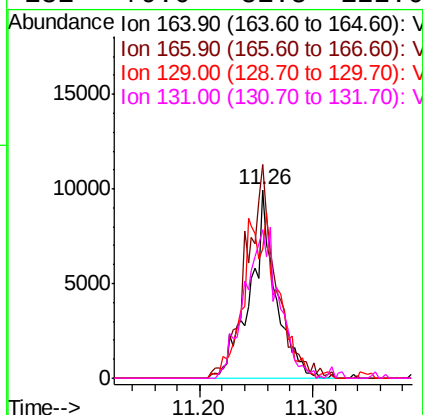
Lab File: ClientSampleId :

Acq: 7 Apr 2022 22:48

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Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022

Tot Ion:1
Ion Rati
164 100
166 113.
129 68.
131 79.0 81.8 122.6#



#53

Toluene

Concen: 0.679 ppbv

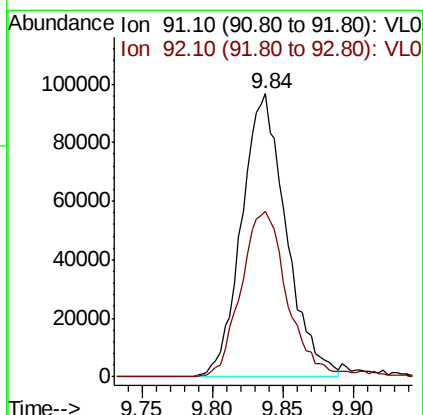
RT: 9.84 min Scan# 2193

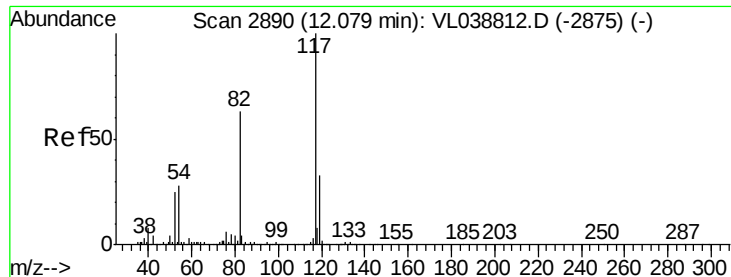
Delta R.T. 0.04 min

Lab File: VL038853.D

Acq: 7 Apr 2022 22:48

Tgt Ion: 91 Resp: 213842
Ion Ratio Lower Upper
91 100
92 61.9 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 22:48

Tot Ion:1

Ion Rati

117 100

82 68.

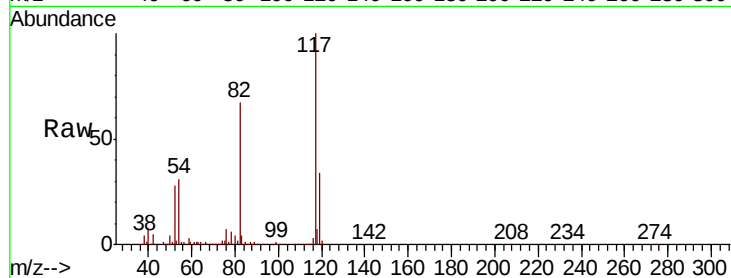
119 34.

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Reviewed By :Semsettin Yesilyurt 04/09/2022

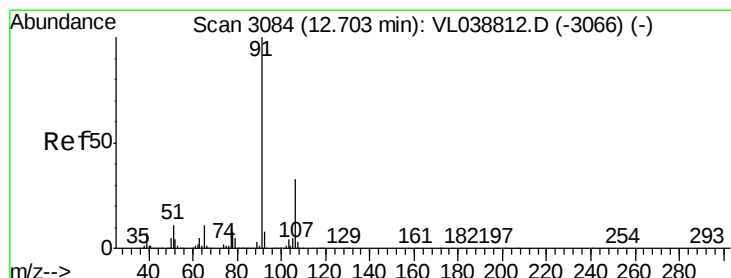
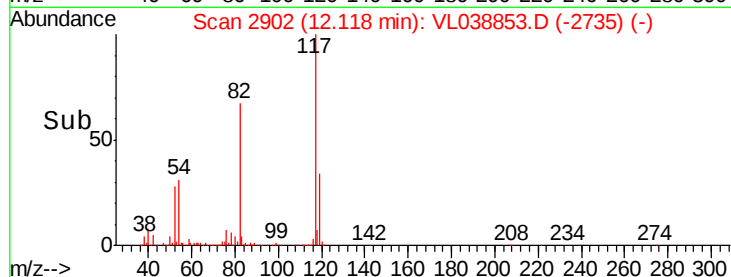
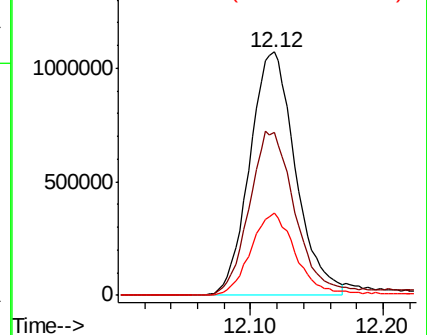
Supervised By :Mahesh Dadoda 04/11/2022



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: 0.604 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.04 min

Lab File: VL038853.D

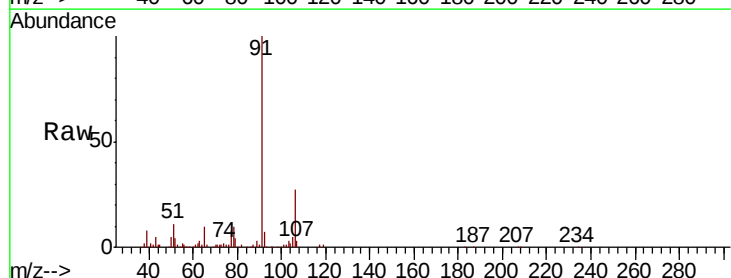
Acq: 7 Apr 2022 22:48

Tgt Ion: 91 Resp: 232836

Ion Ratio Lower Upper

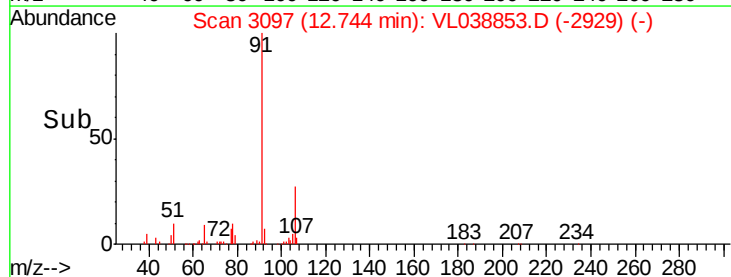
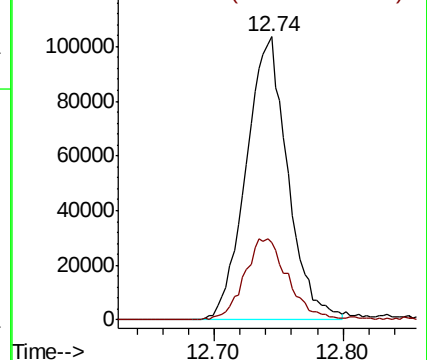
91 100

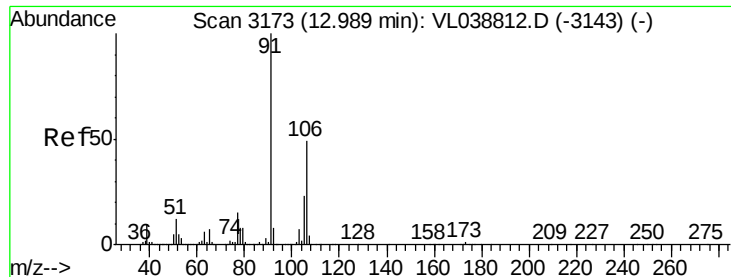
106 27.4 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



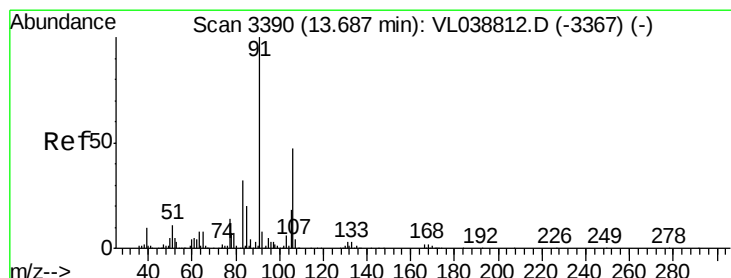
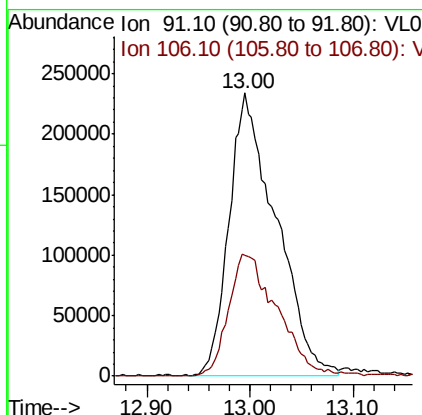
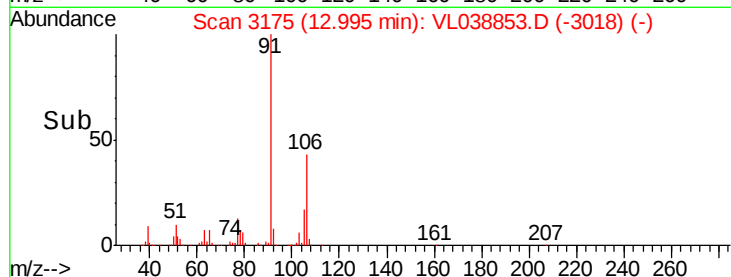
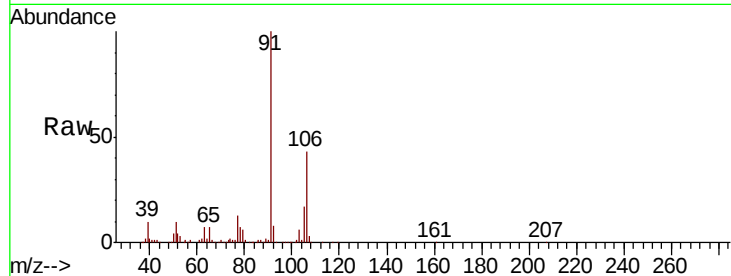


#59
m/p-Xylene
Concen: 2.276 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 22:48

Tot Ion:
Ion Ratio
91 100
106 45.

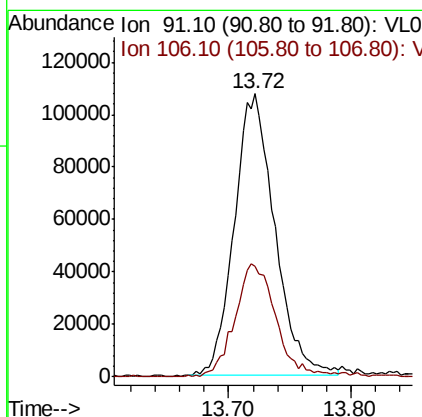
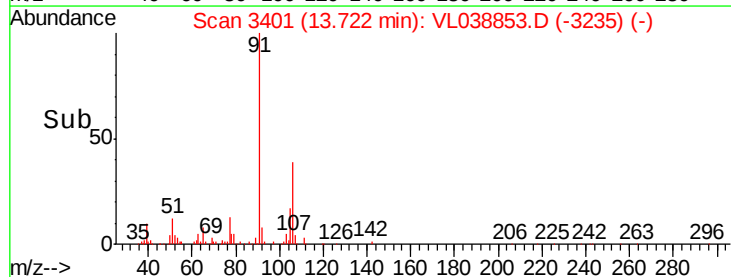
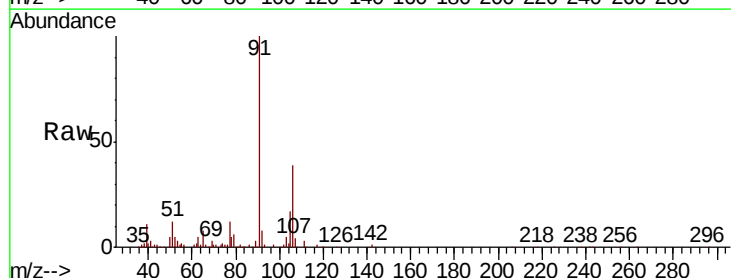
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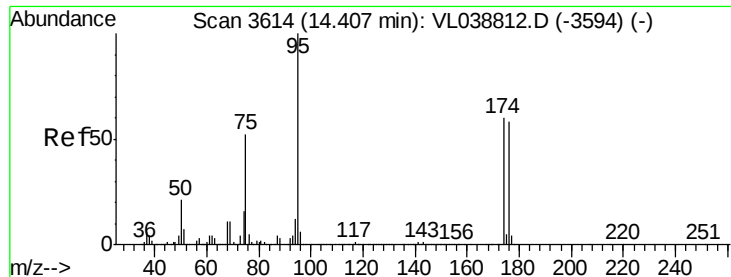
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#60
o-Xylene
Concen: 0.808 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL038853.D
Acq: 7 Apr 2022 22:48

Tgt Ion: 91 Resp: 244809
Ion Ratio Lower Upper
91 100
106 41.5 23.8 71.4



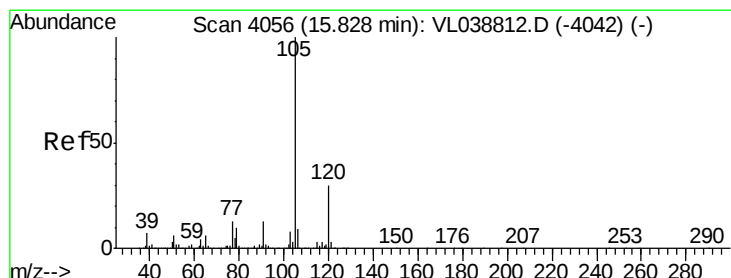
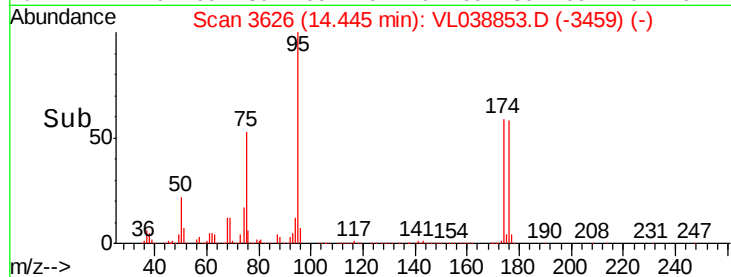
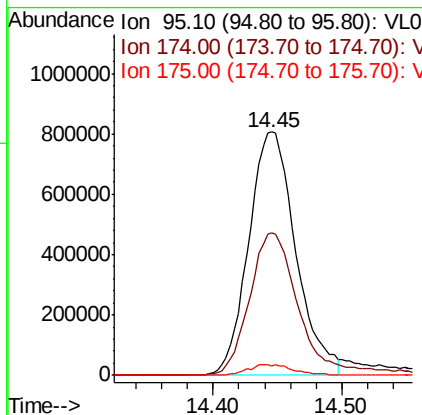
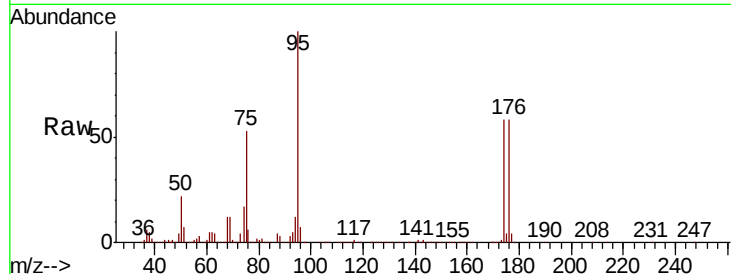


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.466 ppbv
 RT: 14.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Apr 2022 22:48

Tot Ion:
 Ion Ratio
 95 100
 174 63.
 175 4.

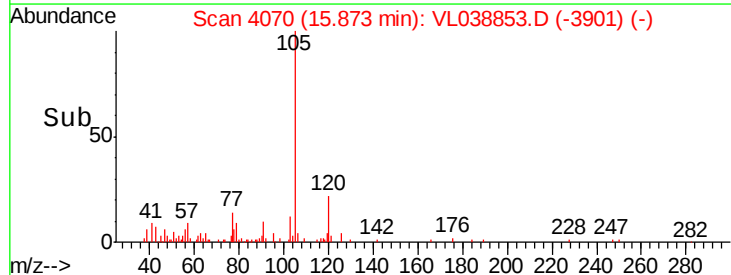
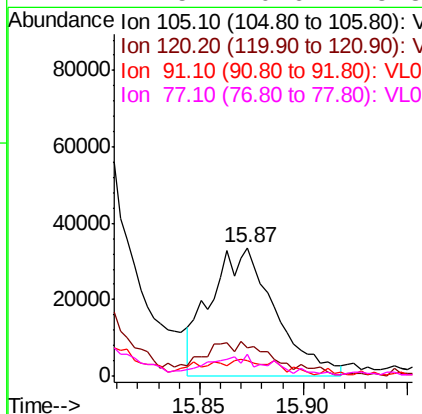
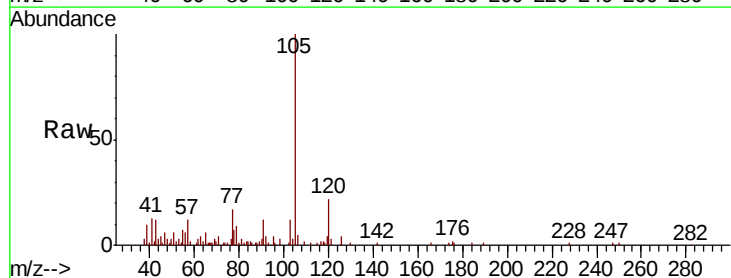
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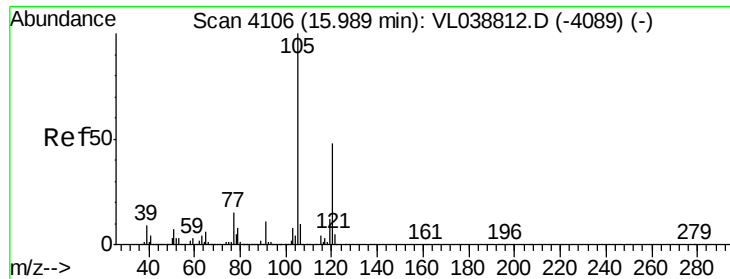
Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#72
 4-Ethyltoluene
 Concen: 0.202 ppbv m
 RT: 15.87 min Scan# 4070
 Delta R.T. 0.04 min
 Lab File: VL038853.D
 Acq: 7 Apr 2022 22:48

Tgt Ion:105 Resp: 73277
 Ion Ratio Lower Upper
 105 100
 120 29.6 24.3 36.5
 91 18.1 9.4 14.2#
 77 17.5 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.171 ppbv

RT: 16.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 22:48

Tot Ion:1

Ion Ratio

105 100

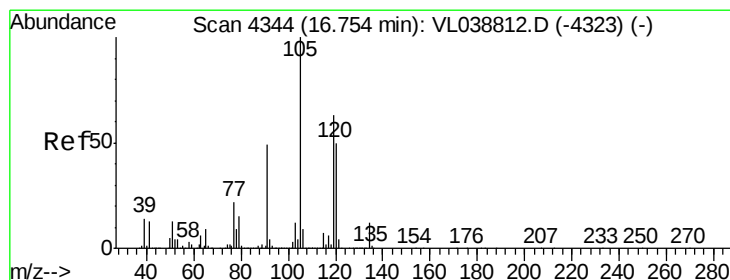
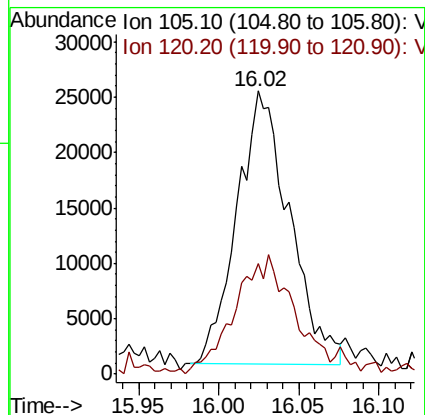
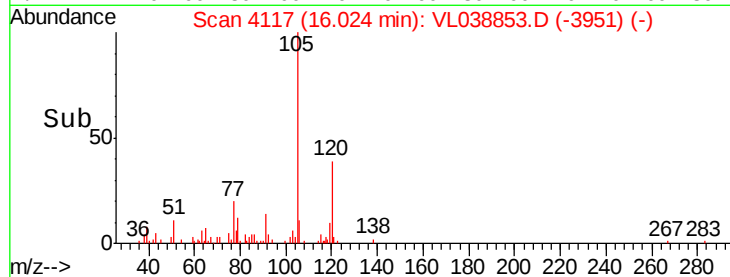
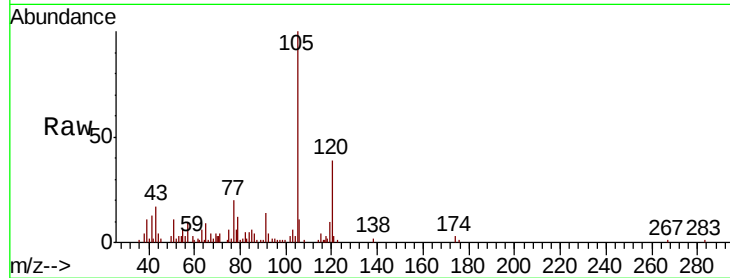
120 38.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.401 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.04 min

Lab File: VL038853.D

Acq: 7 Apr 2022 22:48

Tgt Ion:105 Resp: 137873

Ion Ratio Lower Upper

105 100

120 32.3 39.8 59.8#

91 13.8 39.4 59.0#

77 10.5 17.3 25.9#

