

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038851.D
 Acq On : 7 Apr 2022 21:30
 Operator : SY/AP
 Sample : N2273-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Apr 08 09:23:27 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	1207352	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3012461	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2607906	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2107817	10.66	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds

					Ovalue	
9) Propene	3.05	41	733611	9.410	ppbv	# 59
10) Heptane	8.15	43	66759	0.340	ppbv	90
13) Ethanol	3.63	45	107712	22.735	ppbv	# 100
15) Acetone	3.87	43	10955873	91.145	ppbv	95
19) Isopropyl Alcohol	4.00	45	62209	1.013	ppbv	# 100
20) Methylene Chloride	4.37	84	77496	1.778	ppbv	97
26) Hexane	5.72	57	109085	0.786	ppbv	# 47
30) Cyclohexane	7.16	84	17108m	0.140	ppbv	
34) 2-Butanone	5.28	43	32648m	0.274	ppbv	
44) 2,2,4-Trimethylpentane	7.90	57	155168	0.334	ppbv	# 79
50) 4-Methyl-2-Pentanone	8.79	43	59623	0.223	ppbv	96
52) Tetrachloroethene	11.26	164	10876m	0.114	ppbv	
53) Toluene	9.83	91	199784	0.632	ppbv	100
58) Ethyl Benzene	12.74	91	179091	0.460	ppbv	96
59) m/p-Xylene	12.99	91	566637	1.731	ppbv	99
60) o-Xylene	13.72	91	191786	0.626	ppbv	94
72) 4-Ethyltoluene	15.87	105	72258m	0.198	ppbv	
73) 1,3,5-Trimethylbenzene	16.02	105	53476	0.163	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	165518	0.476	ppbv	# 69

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

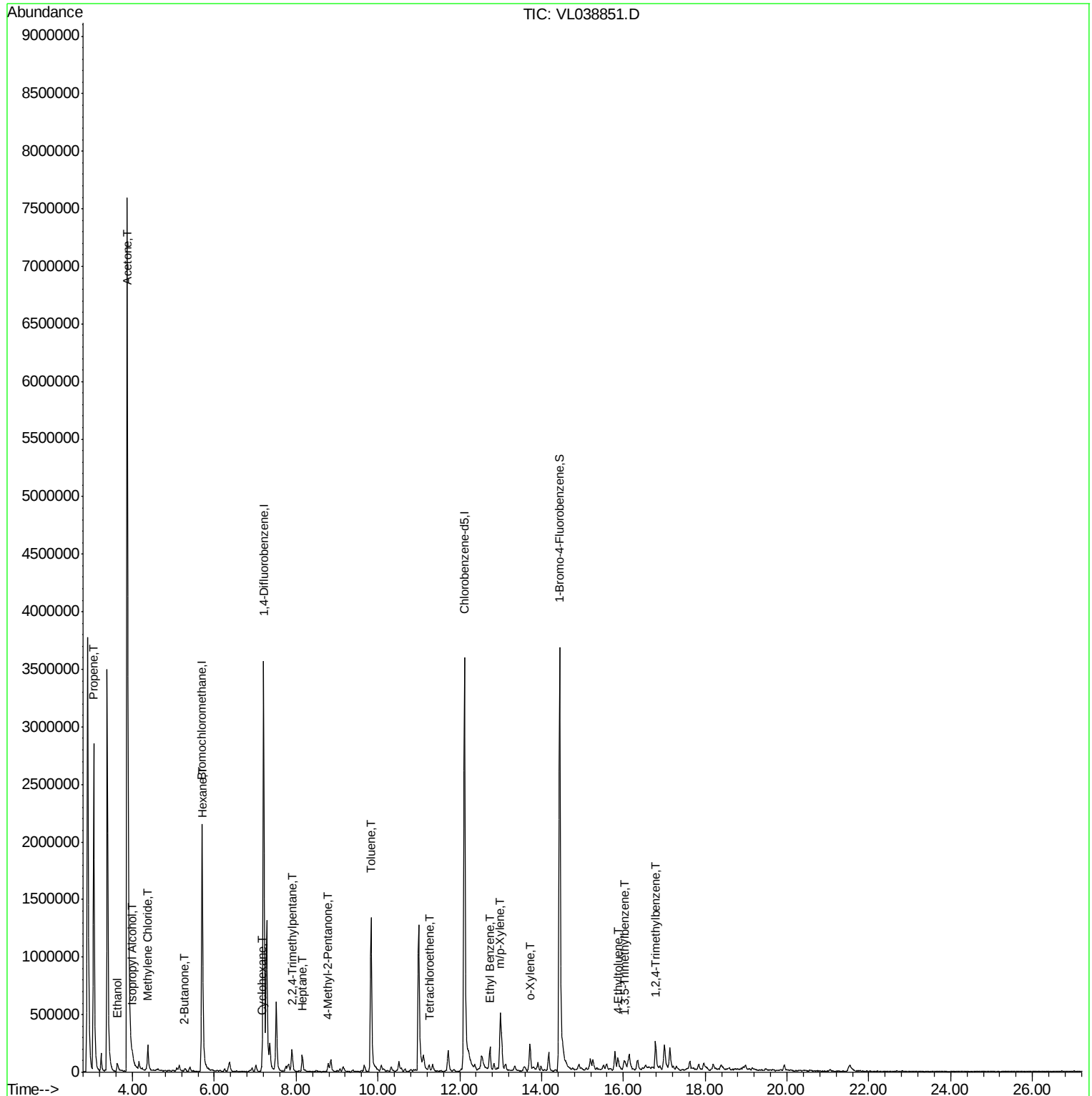
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038851.D
Acq On : 7 Apr 2022 21:30
Operator : SY/AP
Sample : N2273-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

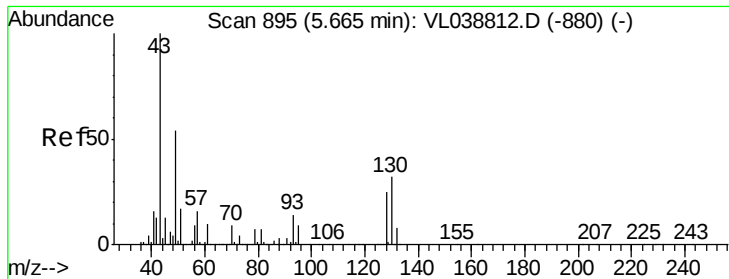
Instrument :
MSVOA_L
ClientSampleId :
1160-1-SG-1DL

Quant Time: Apr 08 09:23:27 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. ClientSampleId:

Lab File: 1160-1-SG-1DL

Acq: 7 Apr 2022 21:30

Tot Ion:

Ion Ratio

49 100

128 46.

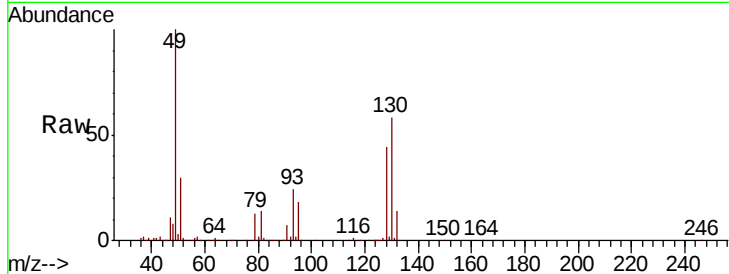
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/09/2022

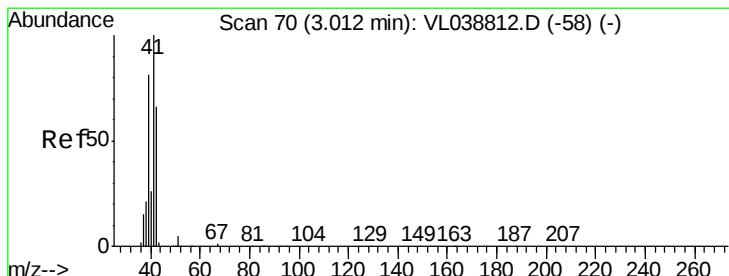
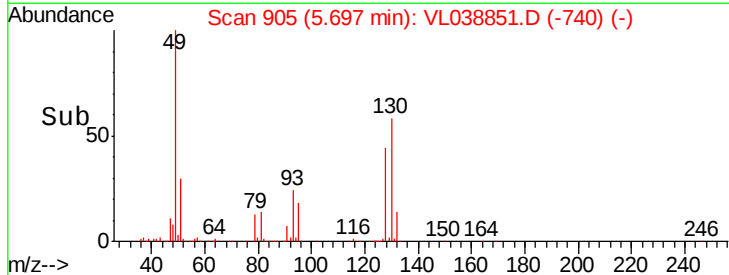
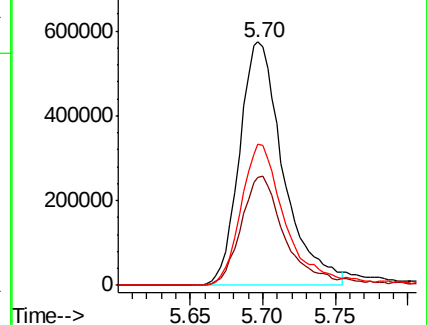
Supervised By :Mahesh Dadoda 04/11/2022



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: 9.410 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.04 min

Lab File: VL038851.D

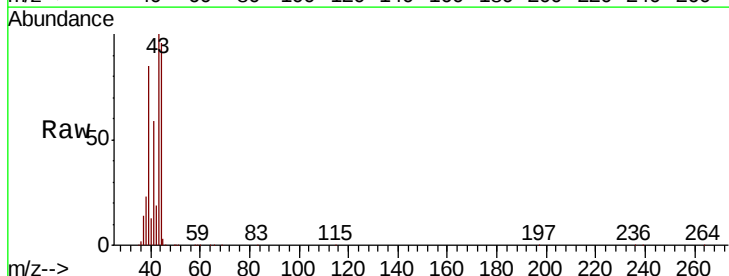
Acq: 7 Apr 2022 21:30

Tgt Ion: 41 Resp: 733611

Ion Ratio Lower Upper

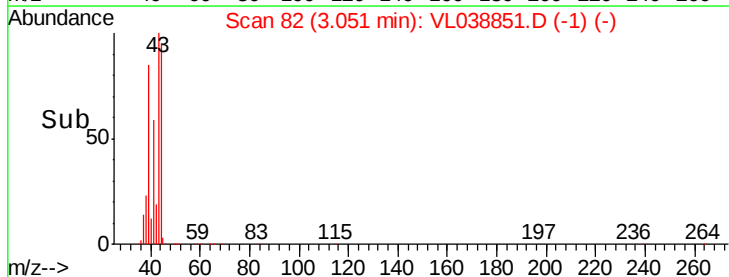
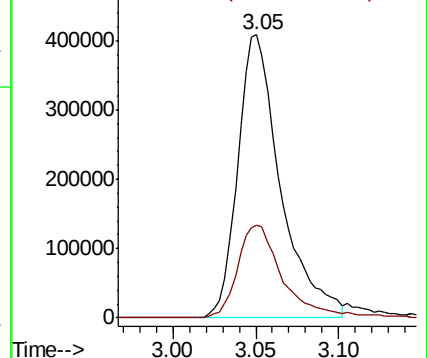
41 100

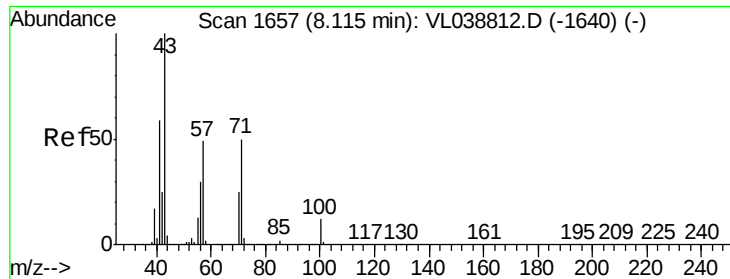
42 35.0 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



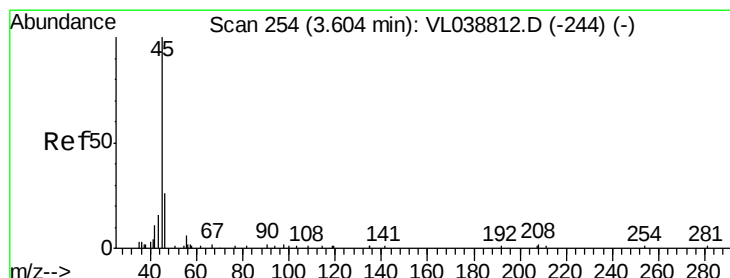
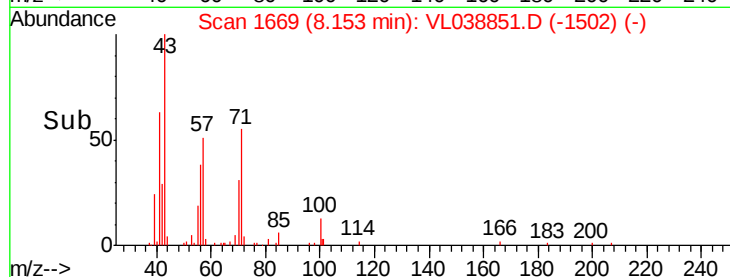
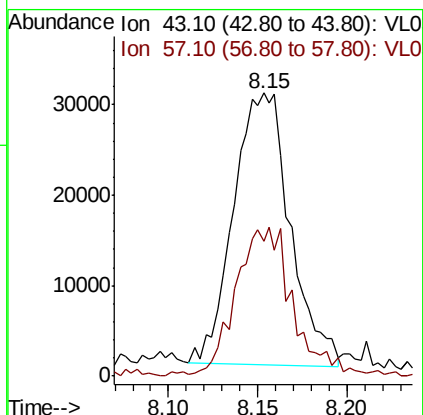
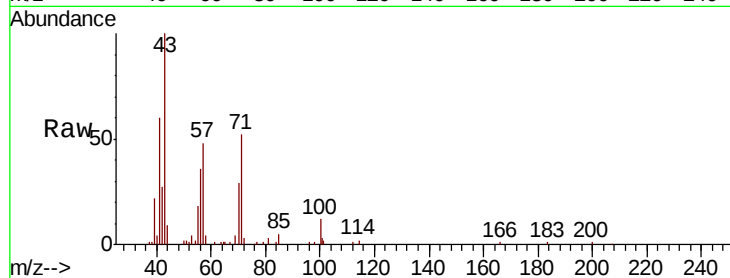


#10
Heptane
Concen: 0.340 ppbv
RT: 8.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
43 100
57 56.

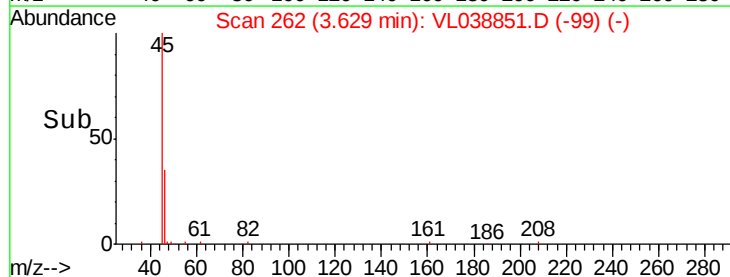
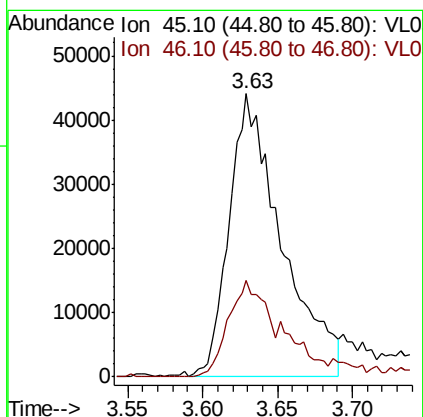
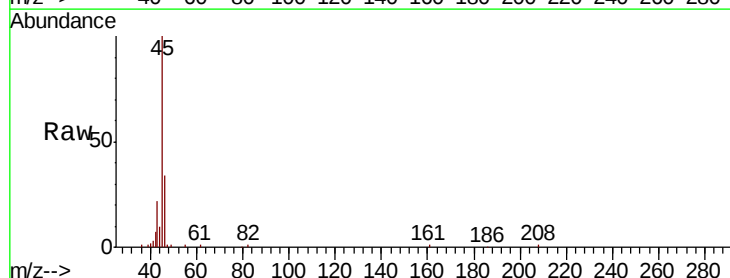
Manual Integrations
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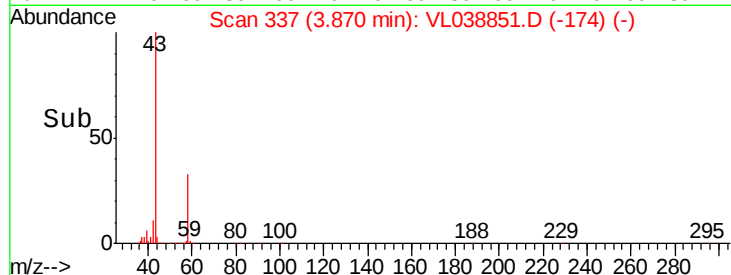
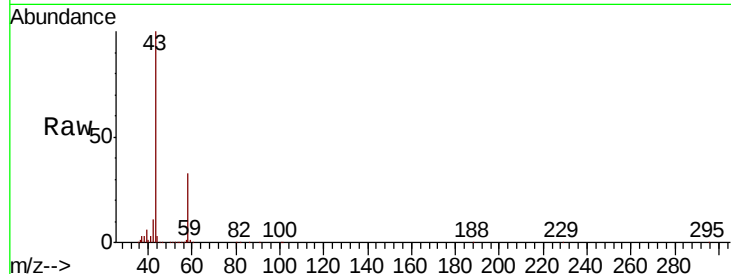
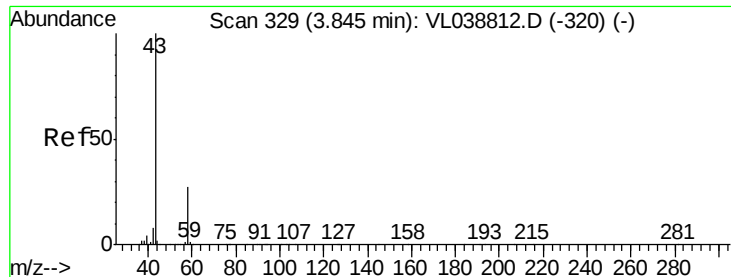
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 22.735 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.03 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 45 Resp: 107712
Ion Ratio Lower Upper
45 100
46 36.9 0.0 0.0#



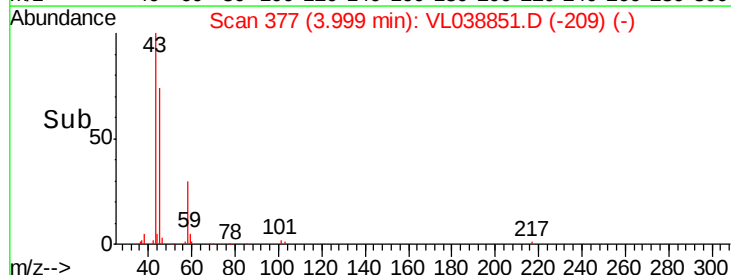
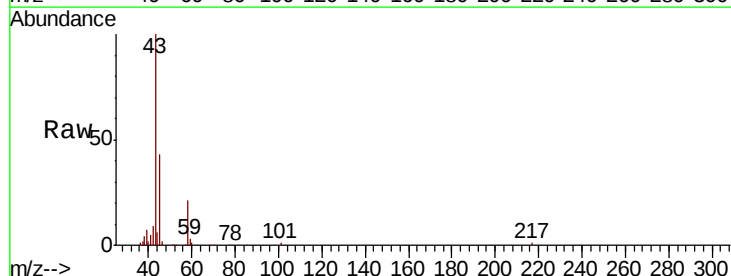
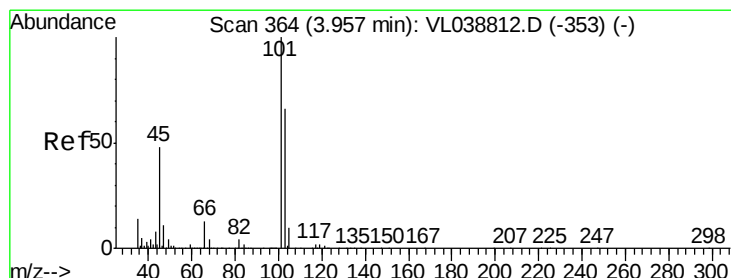
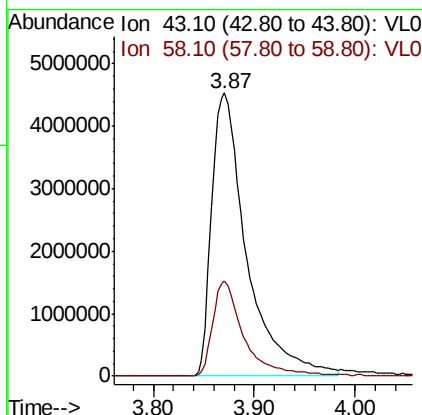


#15
Acetone
Concen: 91.145 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
43 100
58 30.

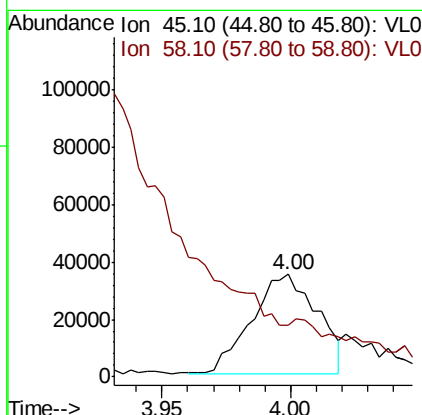
Manual Integrations
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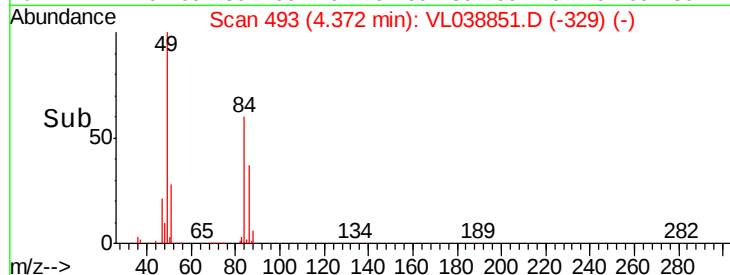
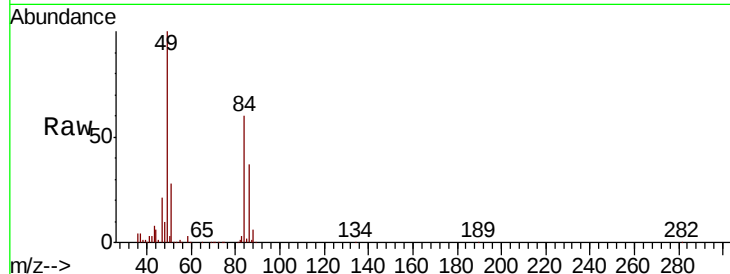
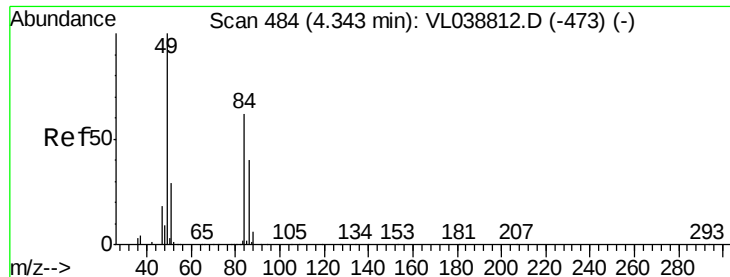
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 1.013 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.04 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 45 Resp: 62209
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



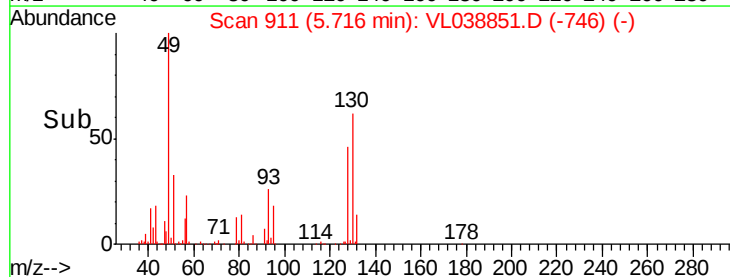
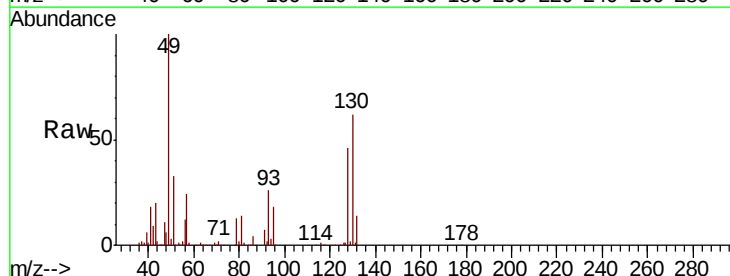
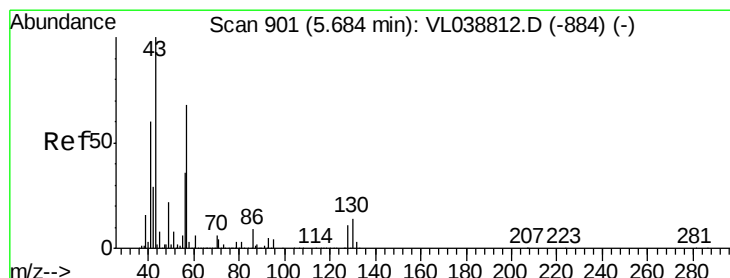
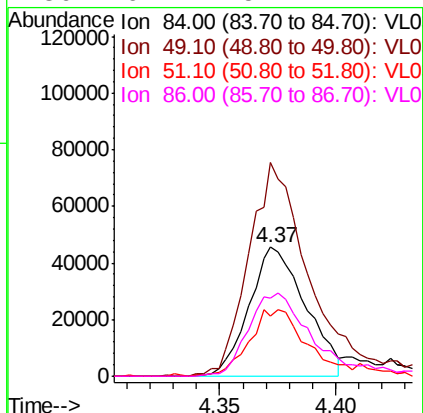


#20
Methvlene Chloride
Concen: 1.778 ppbv
RT: 4.37
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
84 100
49 166.
51 47.
86 61.2 51.4 77.2

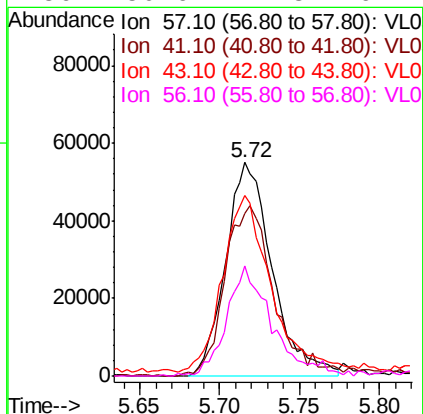
Manual Integrations
APPROVED

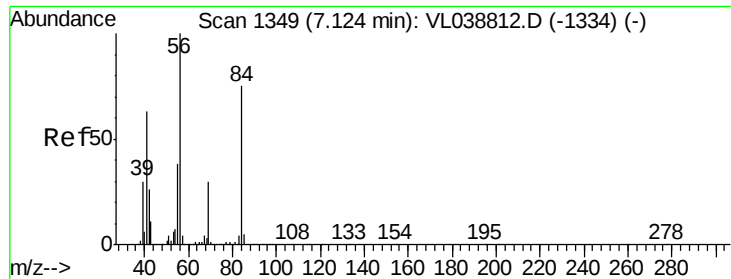
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#26
Hexane
Concen: 0.786 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.03 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 57 Resp: 109085
Ion Ratio Lower Upper
57 100
41 87.9 72.0 108.0
43 93.2 186.6 280.0#
56 50.6 42.8 64.2



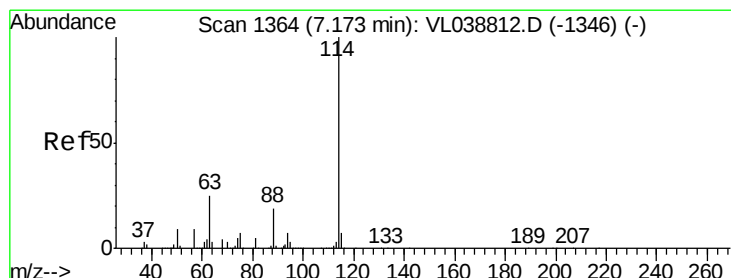
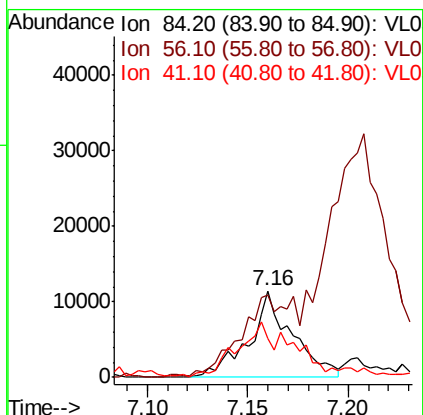
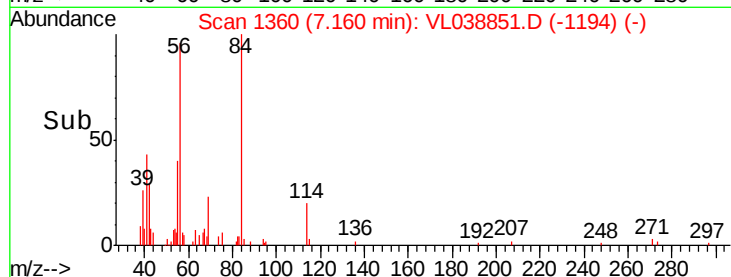
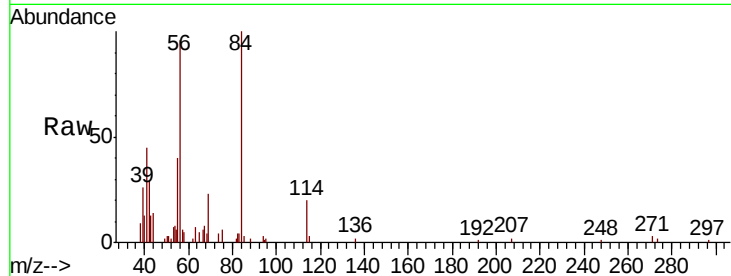


#30
Cvclohexane
Concen: 0.140 ppbv m
RT: 7.16
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
84 100
56 0.
41 78.

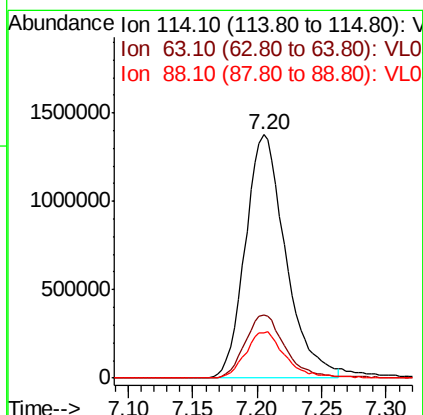
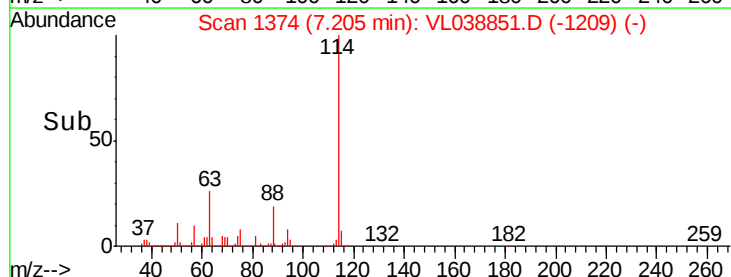
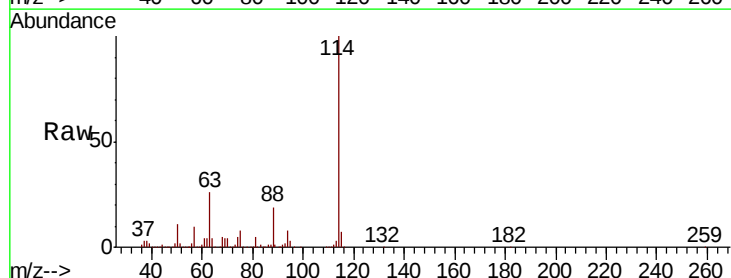
Manual Integrations
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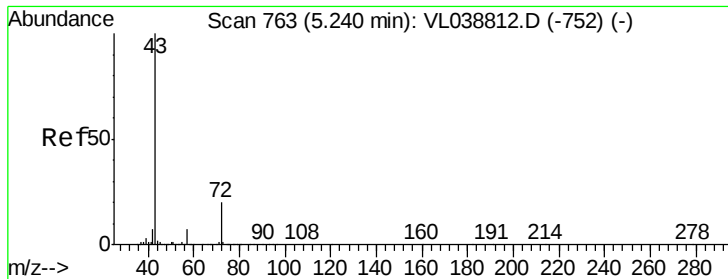
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.03 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion:114 Resp: 3012461
Ion Ratio Lower Upper
114 100
63 26.4 19.8 29.8
88 19.2 14.2 21.4



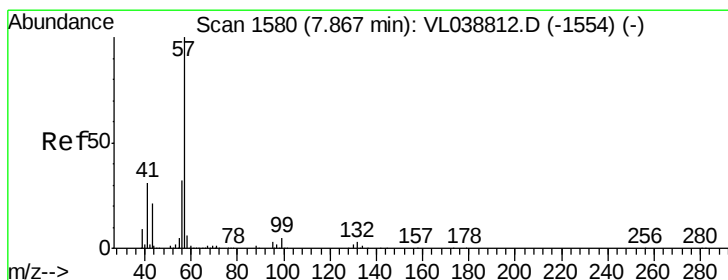
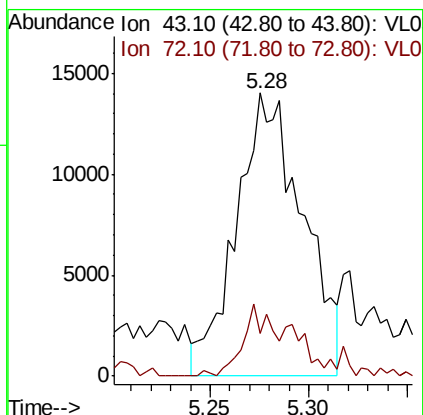
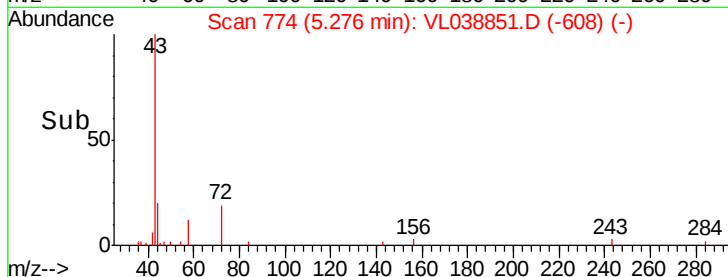
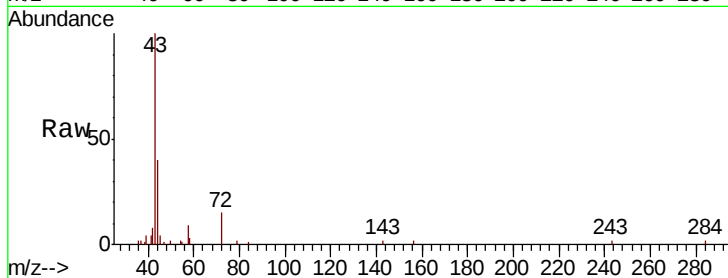


#34
2-Butanone
Concen: 0.274 ppbv m
RT: 5.28
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
43 100
72 0.

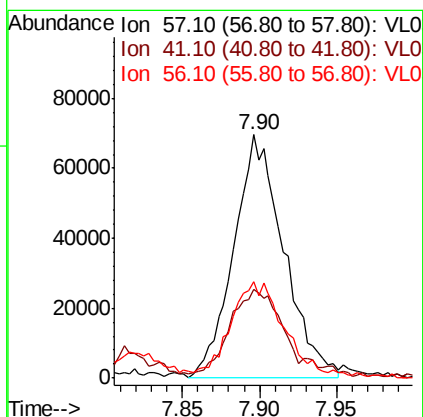
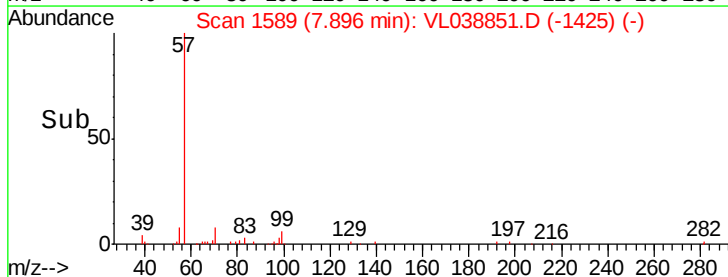
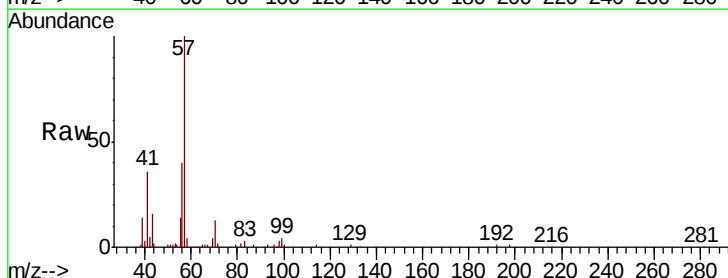
Manual Integrations
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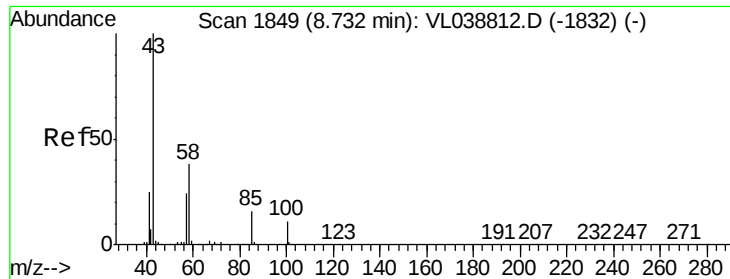
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.334 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. 0.03 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 57 Resp: 155168
Ion Ratio Lower Upper
57 100
41 40.9 25.0 37.4#
56 44.7 25.3 37.9#



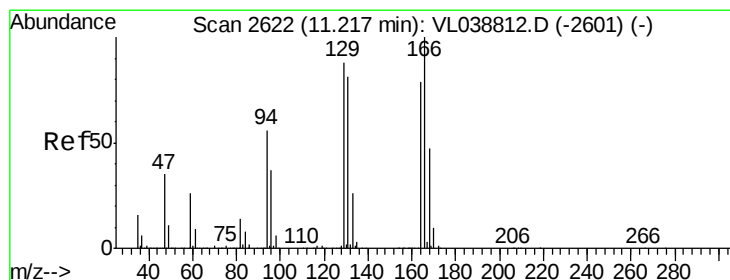
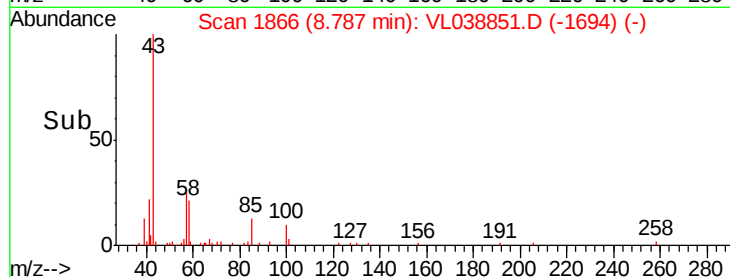
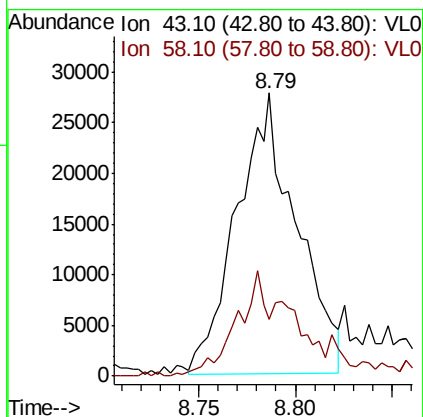
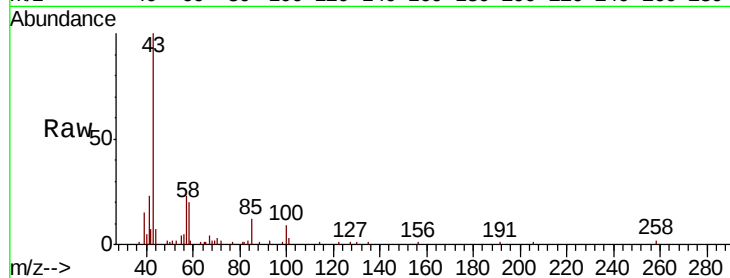


#50
4-Methyl-2-Pentanone
Concen: 0.223 ppbv
RT: 8.79
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
43 100
58 38.

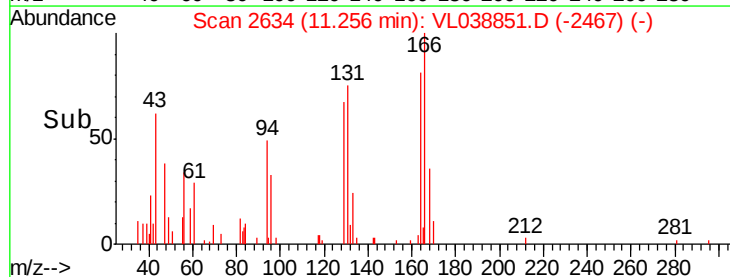
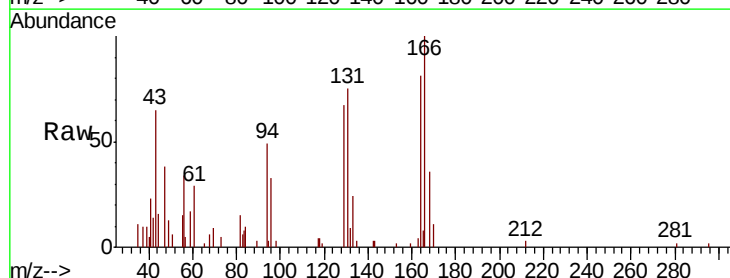
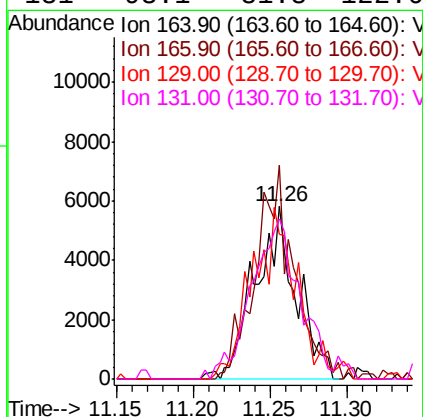
Manual Integrations
APPROVED

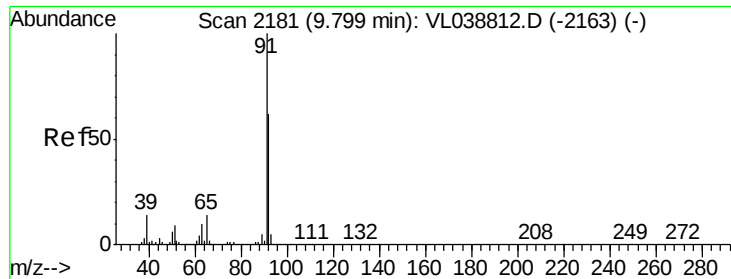
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#52
Tetrachloroethene
Concen: 0.114 ppbv m
RT: 11.26 min Scan# 2634
Delta R.T.: 0.04 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion:164 Resp: 10876
Ion Ratio Lower Upper
164 100
166 123.8 101.0 151.6
129 83.6 88.7 133.1#
131 93.1 81.8 122.6





#53

Toluene

Concen: 0.632 ppbv

RT: 9.83 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Apr 2022 21:30 1160-1-SG-1DL

Tot Ion:

Ion Ratio

91 100

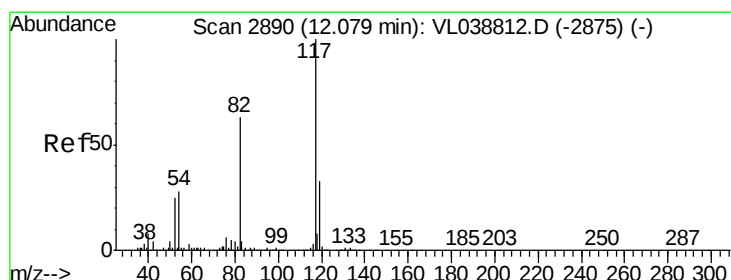
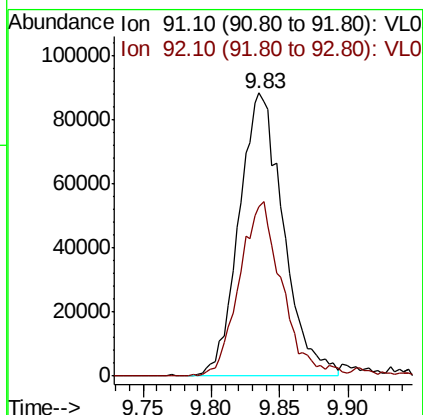
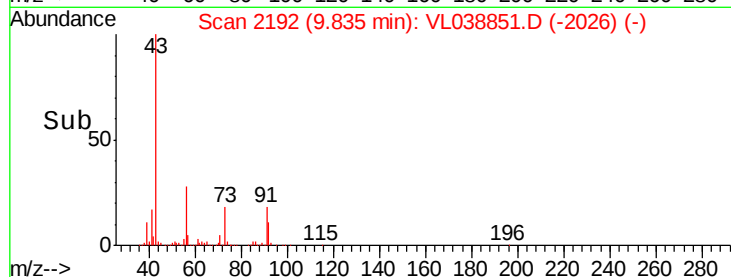
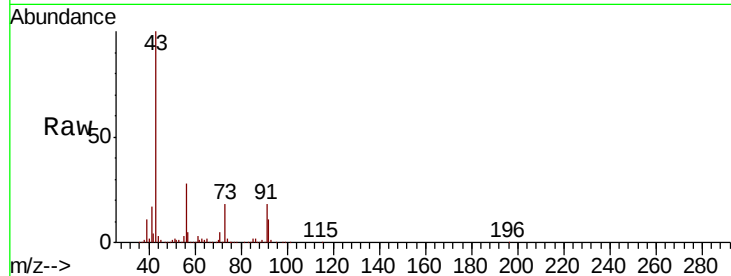
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.04 min

Lab File: VL038851.D

Acq: 7 Apr 2022 21:30

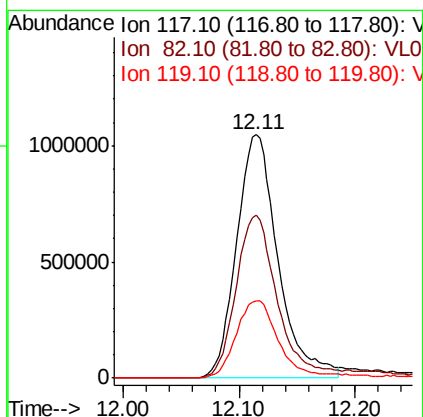
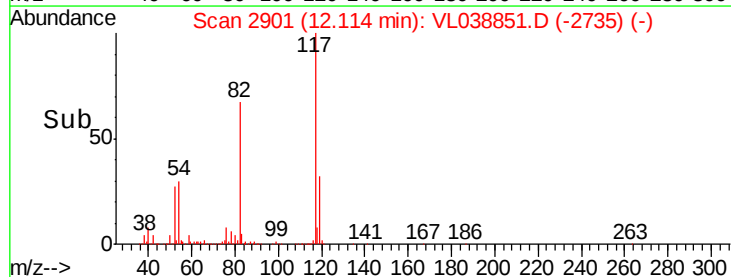
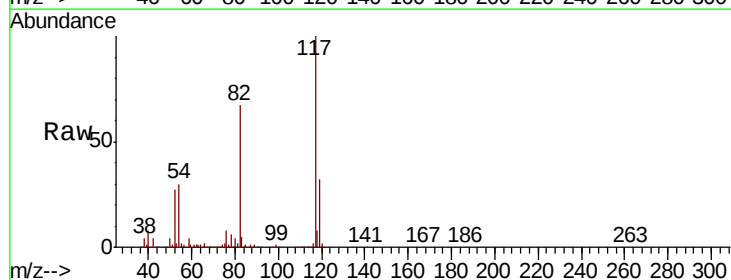
Tgt Ion:117 Resp: 2607906

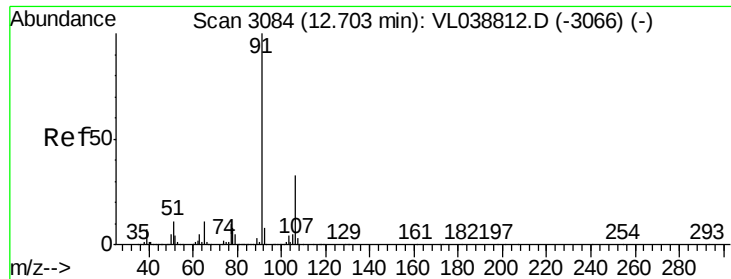
Ion Ratio Lower Upper

117 100

82 73.9 53.0 79.6

119 34.8 24.9 37.3



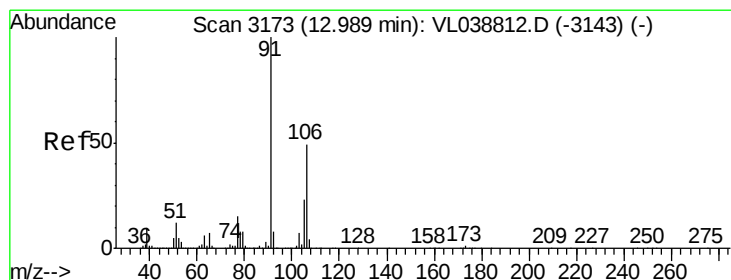
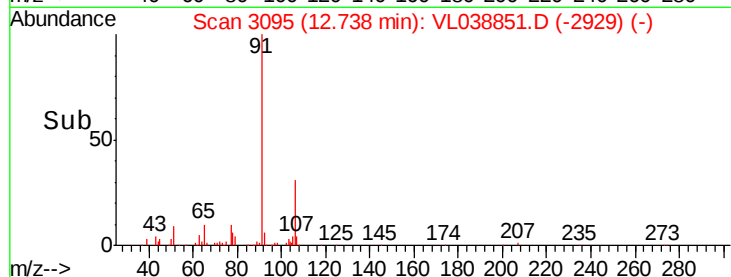
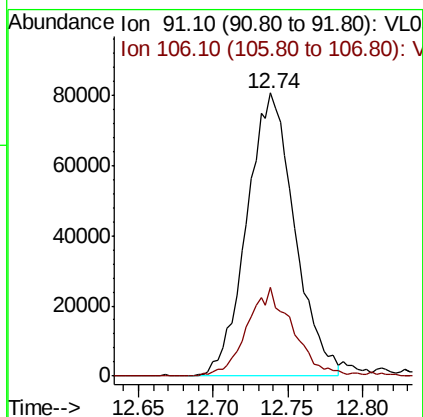
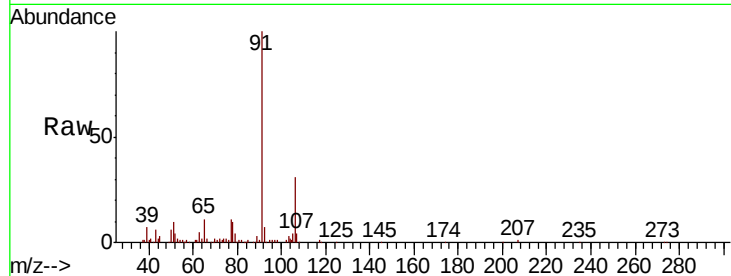


#58
Ethyl Benzene
Concen: 0.460 ppbv
RT: 12.74
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
91 100
106 31.

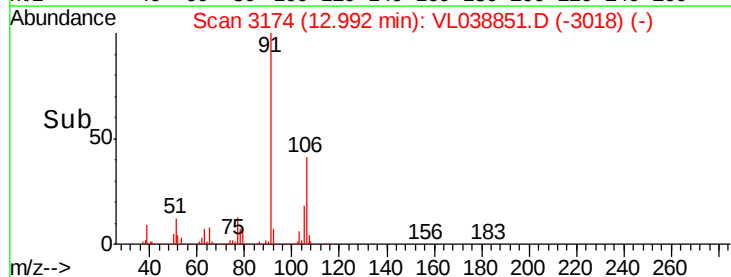
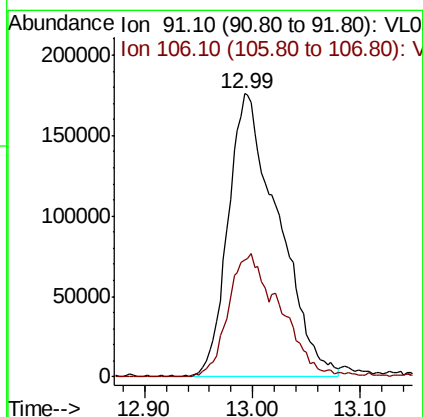
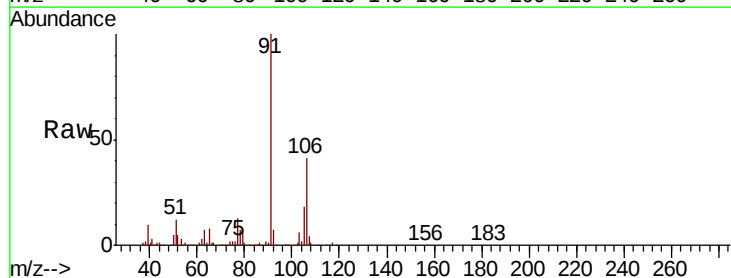
Manual Integrations
APPROVED

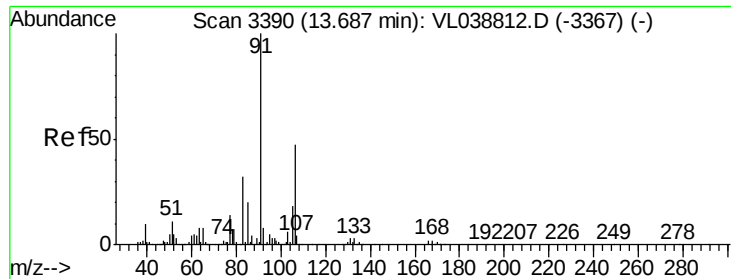
Reviewed By : Semsettin Yesilyurt 04/09/2022
Supervised By : Mahesh Dadoda 04/11/2022



#59
m/p-Xylene
Concen: 1.731 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.00 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 91 Resp: 566637
Ion Ratio Lower Upper
91 100
106 45.5 37.1 55.7



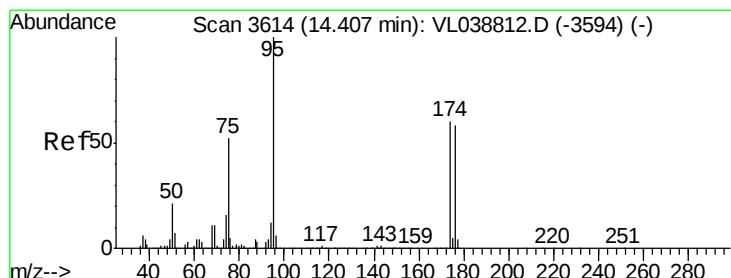
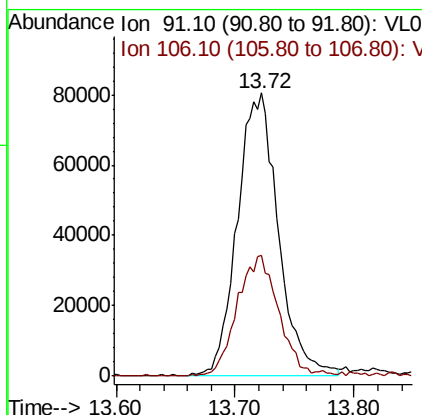
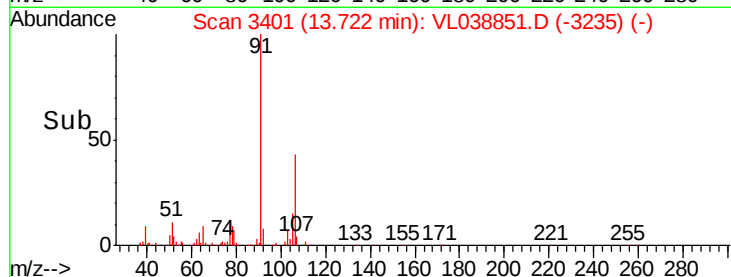
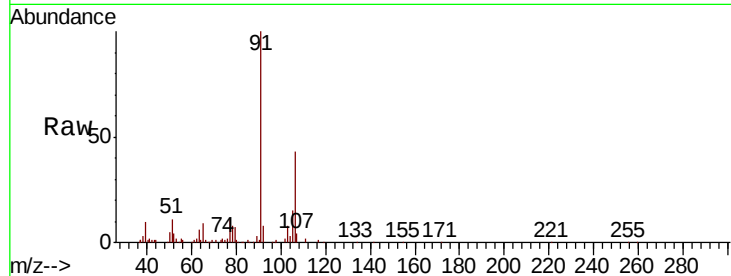


#60
o-Xylene
Concen: 0.626 ppbv
RT: 13.72
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 7 Apr 2022 21:30

Tot Ion:
Ion Ratio
91 100
106 43.

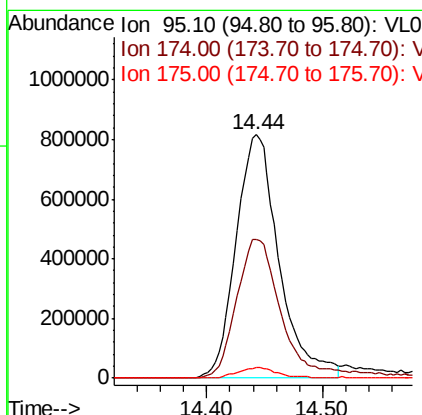
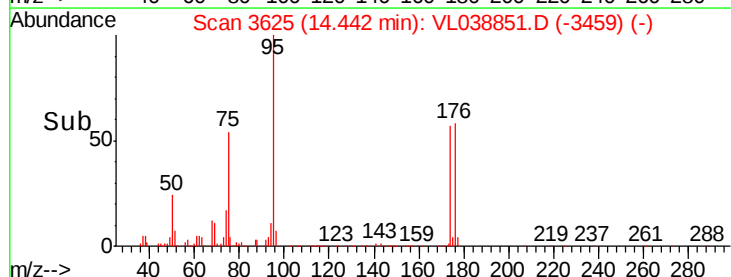
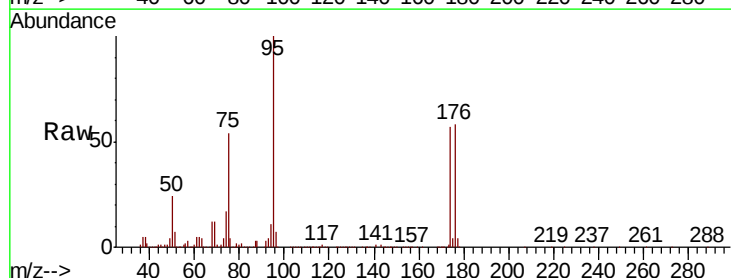
Manual Integrations
APPROVED

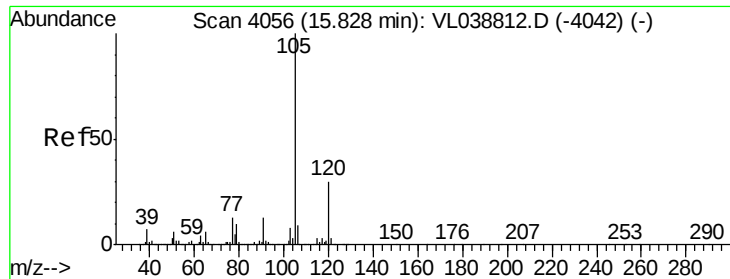
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.655 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. 0.04 min
Lab File: VL038851.D
Acq: 7 Apr 2022 21:30

Tgt Ion: 95 Resp: 2107817
Ion Ratio Lower Upper
95 100
174 62.7 52.0 78.0
175 4.2 4.0 6.0





#72

4-Ethyltoluene

Concen: 0.198 ppbv m

RT: 15.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Apr 2022 21:30

Tot Ion:1

Ion Ratio

105 100

120 28.

91 12.

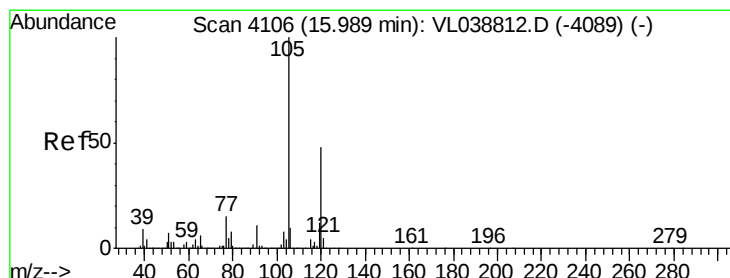
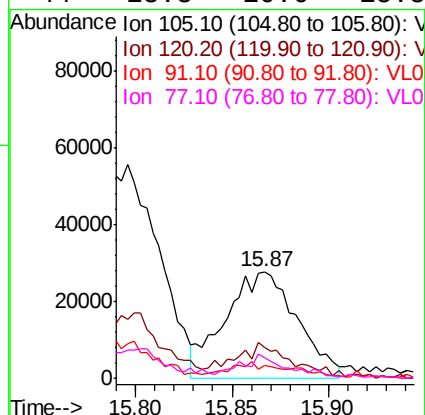
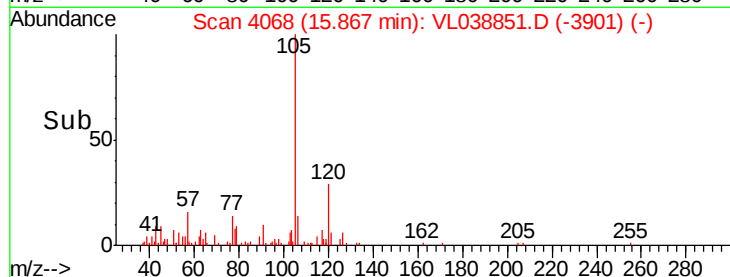
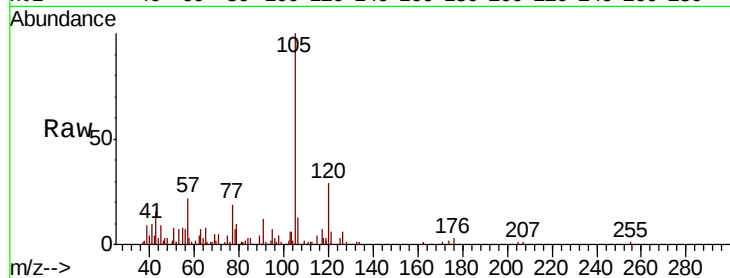
77 18.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.163 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. 0.04 min

Lab File: VL038851.D

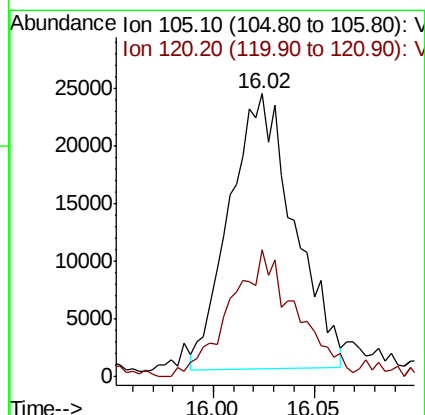
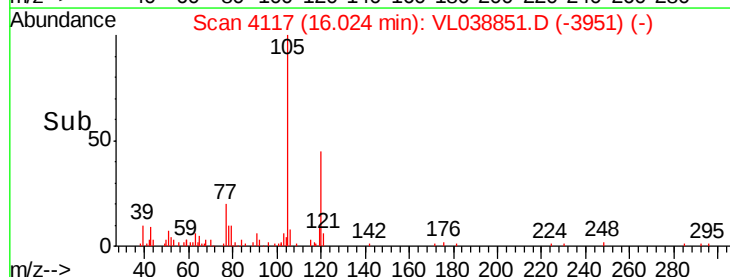
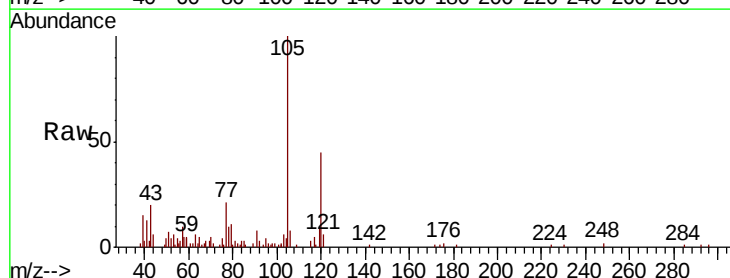
Acq: 7 Apr 2022 21:30

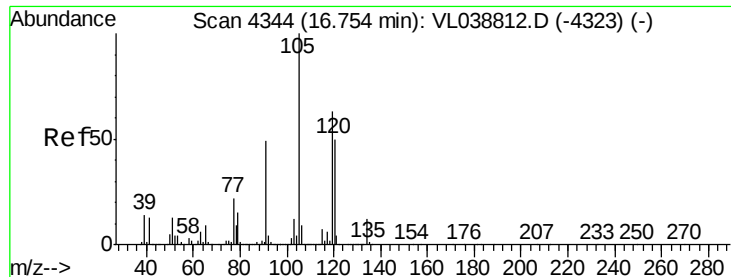
Tgt Ion:105 Resp: 53476

Ion Ratio Lower Upper

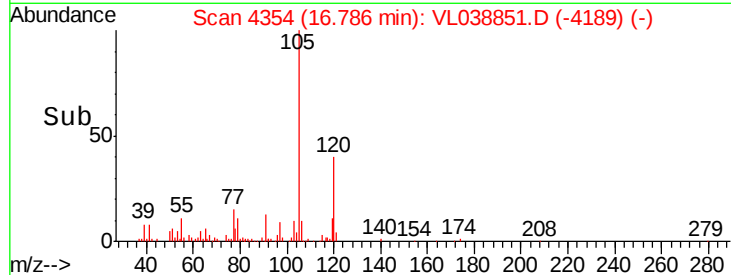
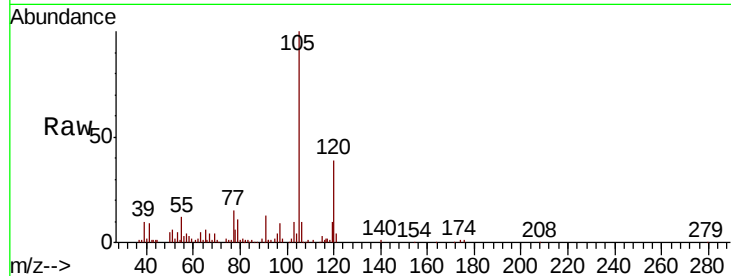
105 100

120 43.6 38.7 58.1





#74
 1,2,4-Trimethylbenzene
 Concen: 0.476 ppbv
 RT: 16.79
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 1160-1-SG-1DL
 Acq: 7 Apr 2022 21:30



Tot Ion:1
 Ion Rati
 105 100
 120 39.
 91 12.
 77 14.7 17.3 25.9#

Manual Integrations
 APPROVED

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

