

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038866.D
 Acq On : 8 Apr 2022 9:08
 Operator : SY/AP
 Sample : N2274-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1161-8-01-SG-3DL

Manual Integrations
 APPROVED

Quant Time: Apr 11 01:39:18 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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1023585	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2565084	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2297314	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1888363	10.84	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.40%

Target Compounds

					Ovalue	
9) Propene	3.04	41	16344	0.247	ppbv #	80
10) Heptane	8.14	43	439835	2.642	ppbv	100
13) Ethanol	3.63	45	8661005	2156.335	ppbv #	100
15) Acetone	3.87	43	287841	2.825	ppbv	92
17) tert-Butyl alcohol	4.33	59	9423m	0.103	ppbv	
19) Isopropyl Alcohol	3.99	45	2055203	39.459	ppbv #	100
20) Methylene Chloride	4.37	84	33756	0.913	ppbv #	94
26) Hexane	5.71	57	213320	1.812	ppbv #	48
30) Cyclohexane	7.15	84	204763m	1.974	ppbv	
34) 2-Butanone	5.27	43	64091m	0.632	ppbv	
36) Benzene	6.91	78	208601	0.894	ppbv	98
41) Tetrahydrofuran	6.08	42	76178	0.791	ppbv	98
44) 2,2,4-Trimethylpentane	7.89	57	248588	0.629	ppbv #	20
52) Tetrachloroethene	11.24	164	7420m	0.091	ppbv	
53) Toluene	9.83	91	1714213	6.364	ppbv	98
58) Ethyl Benzene	12.73	91	1371650	3.996	ppbv	96
59) m/p-Xylene	12.99	91	2873426	9.963	ppbv	100
60) o-Xylene	13.71	91	1321103	4.895	ppbv	93
62) Isopropylbenzene	14.69	105	208123	0.514	ppbv	95
67) sec-Butylbenzene	17.31	105	154266	0.306	ppbv	98
69) p-Isopropyltoluene	17.67	119	63931	0.154	ppbv	94
70) n-Butylbenzene	18.56	91	219687m	0.527	ppbv	
72) 4-Ethyltoluene	15.86	105	632512	1.963	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	501422	1.732	ppbv	91
74) 1,2,4-Trimethylbenzene	16.78	105	1514886	4.950	ppbv #	71

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

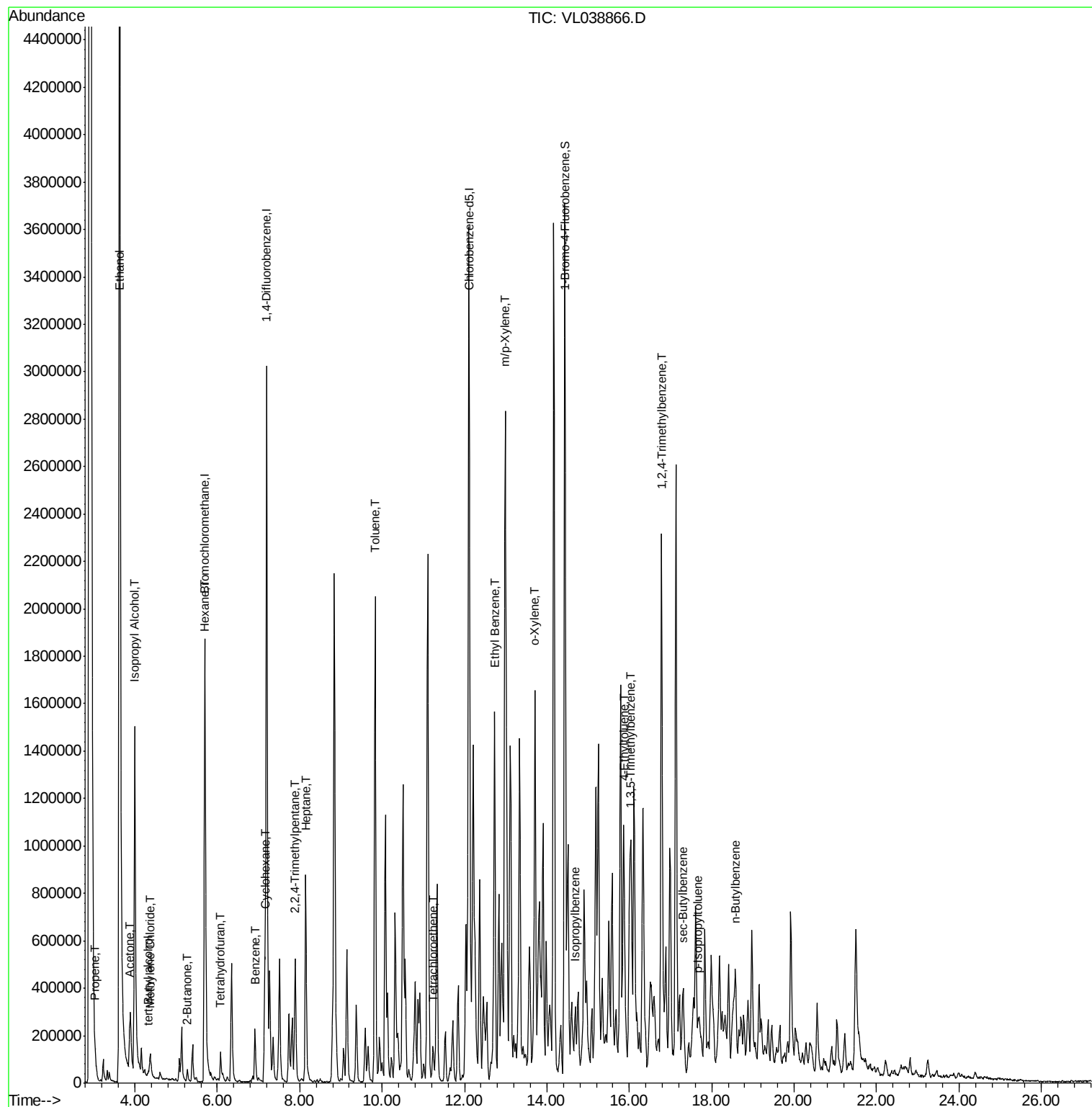
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038866.D
Acq On : 8 Apr 2022 9:08
Operator : SY/AP
Sample : N2274-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

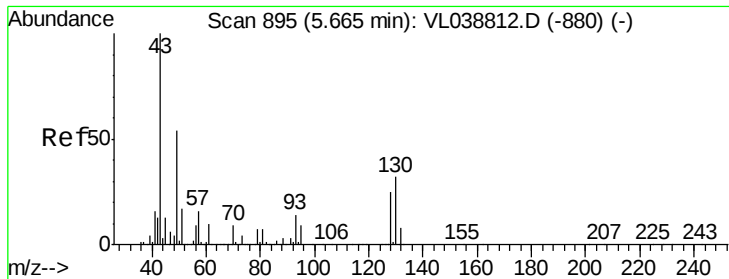
Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Quant Time: Apr 11 01:39:18 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 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 9:08

Tot Ion:

Ion Ratio

49 100

128 45.

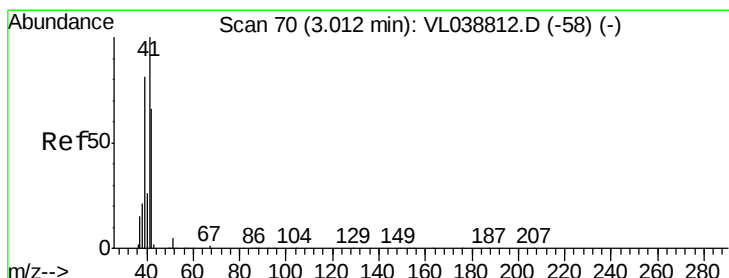
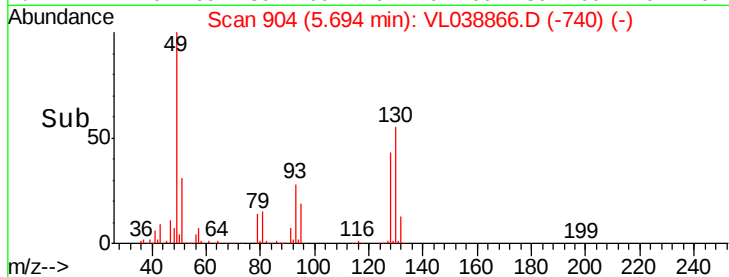
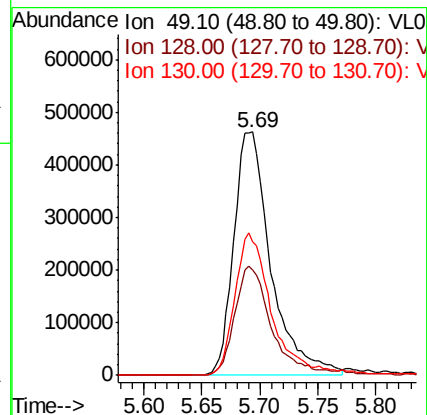
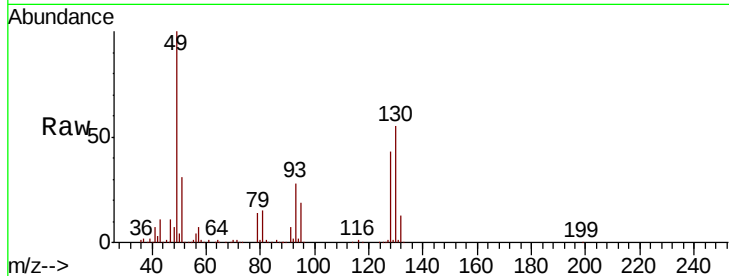
130 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#9

Propene

Concen: 0.247 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.03 min

Lab File: VL038866.D

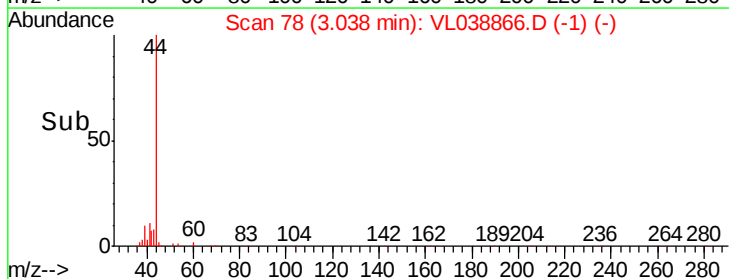
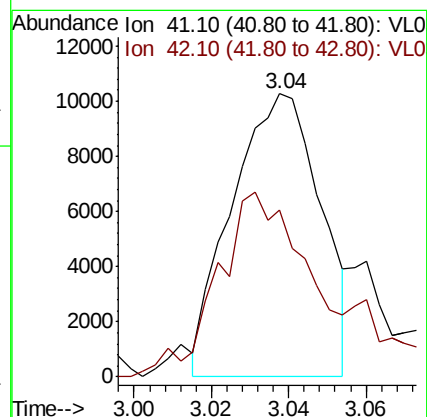
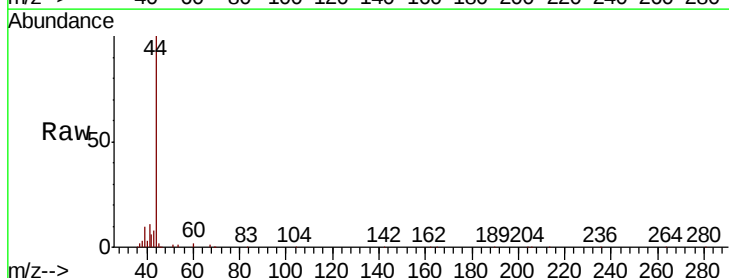
Acq: 8 Apr 2022 9:08

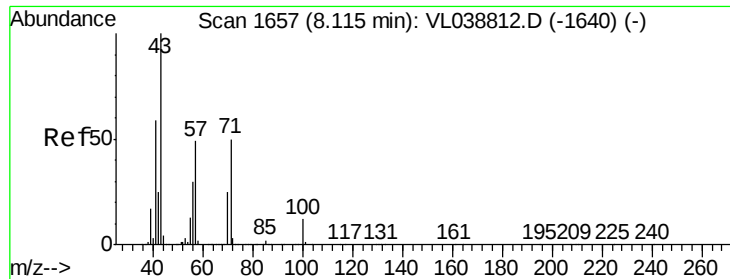
Tgt Ion: 41 Resp: 16344

Ion Ratio Lower Upper

41 100

42 83.6 54.2 81.4#



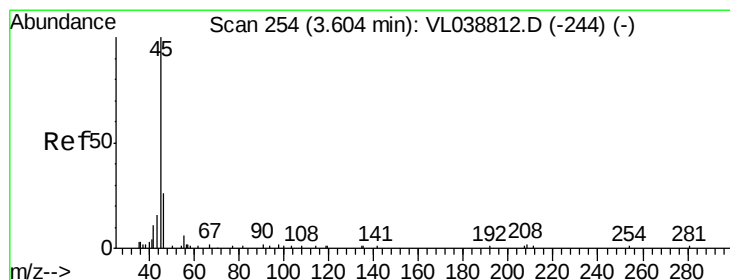
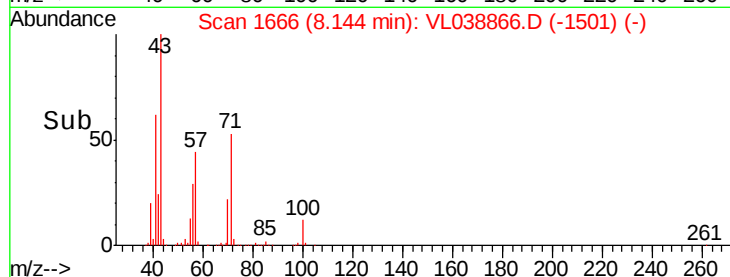
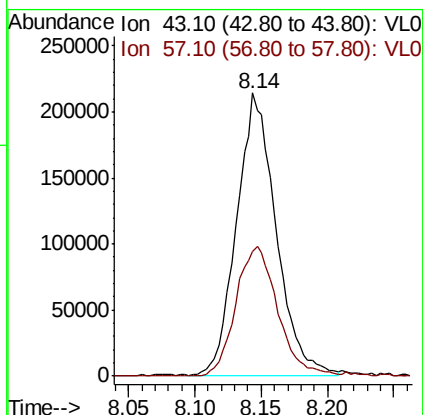
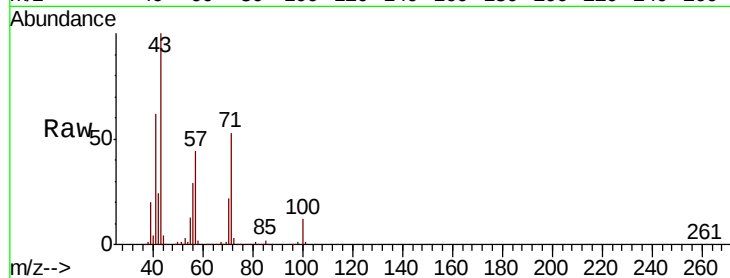


#10
Heptane
Concen: 2.642 ppbv
RT: 8.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 9:08

Tot Ion:
Ion Ratio
43 100
57 48.

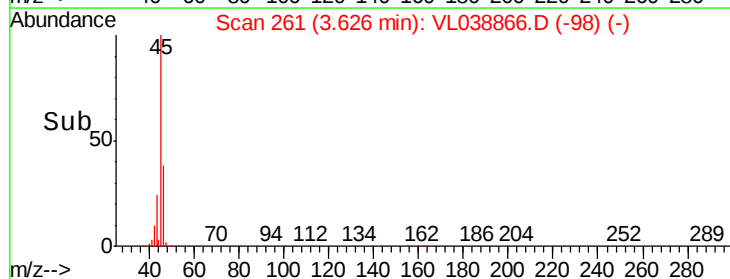
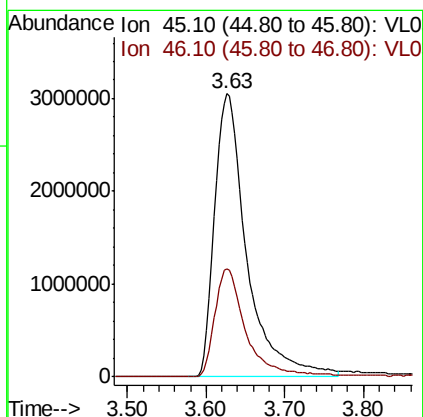
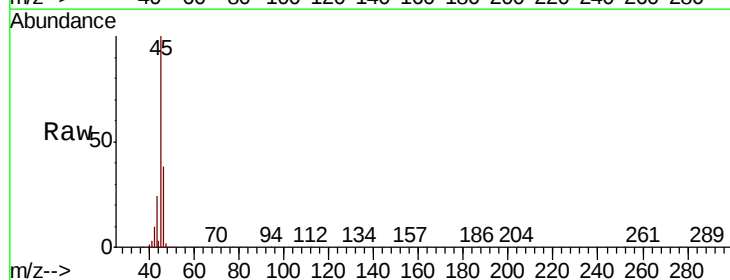
Manual Integrations
APPROVED

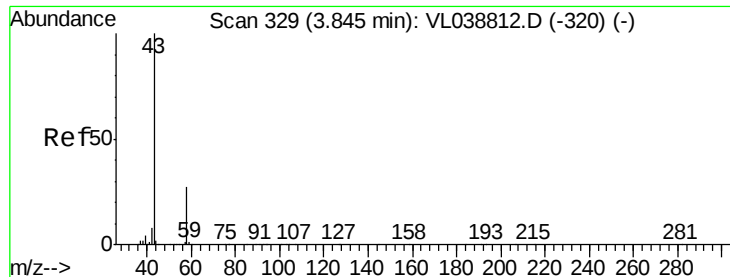
Reviewed By :Semsettin Yesilyurt 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#13
Ethanol
Concen: 2156.335 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 45 Resp: 8661005
Ion Ratio Lower Upper
45 100
46 37.3 0.0 0.0#



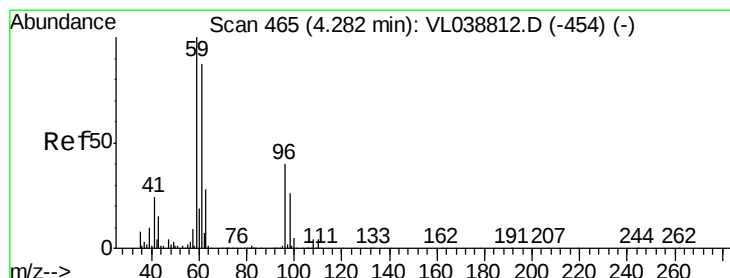
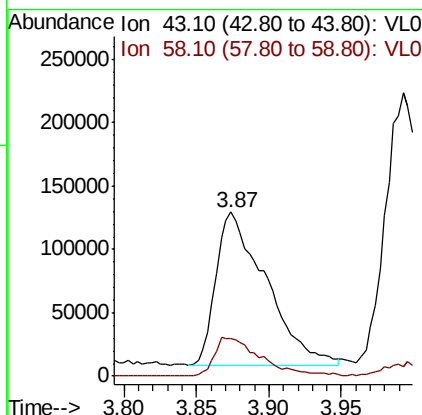
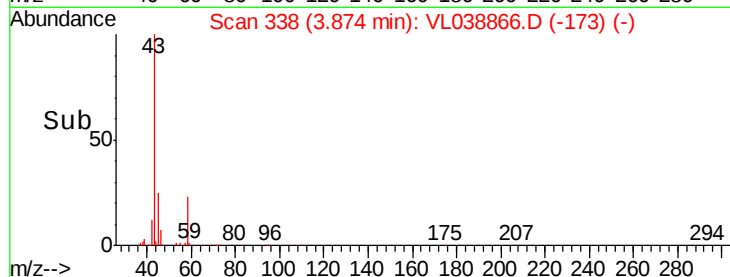
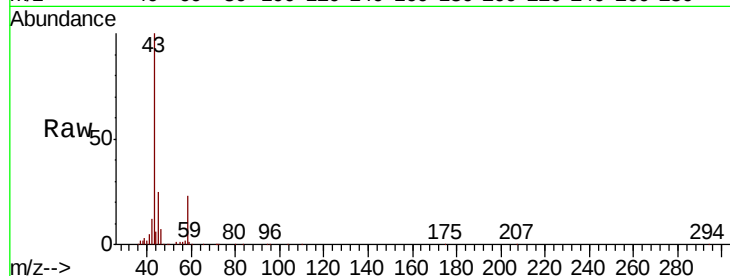


#15
Acetone
Concen: 2.825 ppbv
RT: 3.87
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 8 Apr 2022 9:08

Tot Ion:
Ion Rati
43 100
58 23.

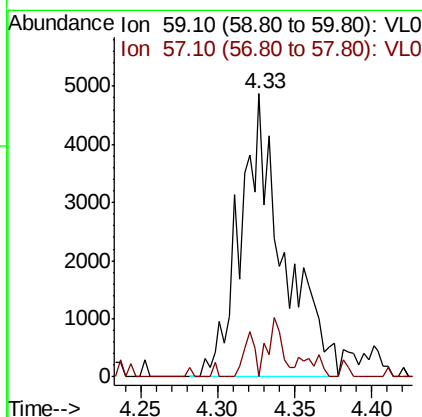
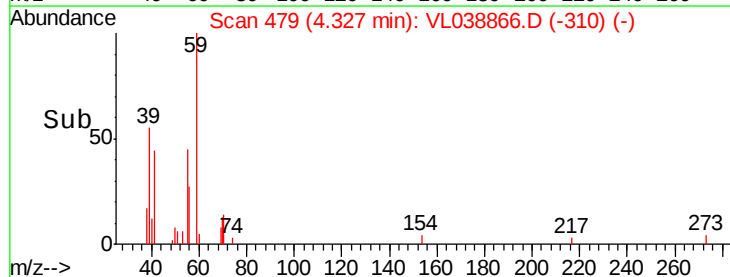
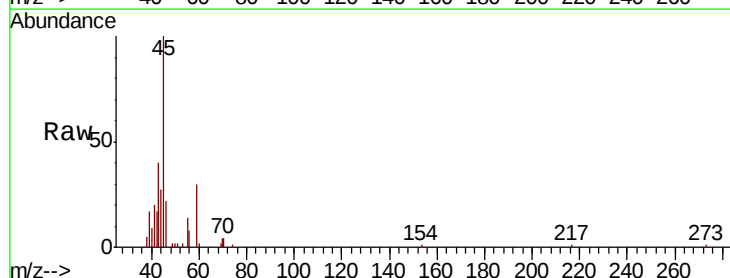
Manual Integrations
APPROVED

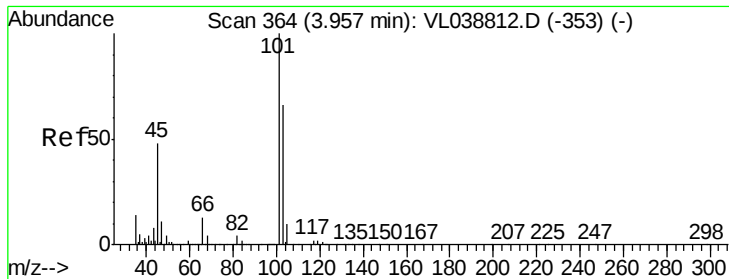
Reviewed By :Semsettin Yesilyurt 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#17
tert-Butyl alcohol
Concen: 0.103 ppbv m
RT: 4.33 min Scan# 479
Delta R.T. 0.04 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 59 Resp: 9423
Ion Ratio Lower Upper
59 100
57 77.6 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 39.459 ppbv

RT: 3.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 9:08

Tot Ion:

Ion Ratio

45 100

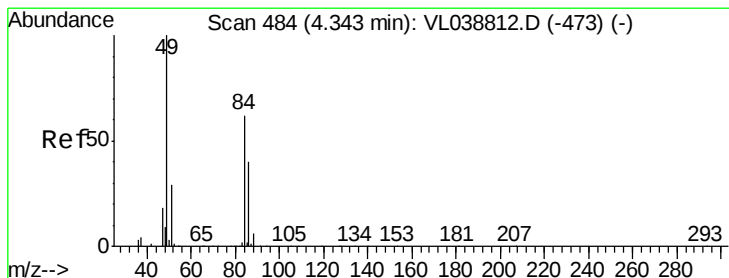
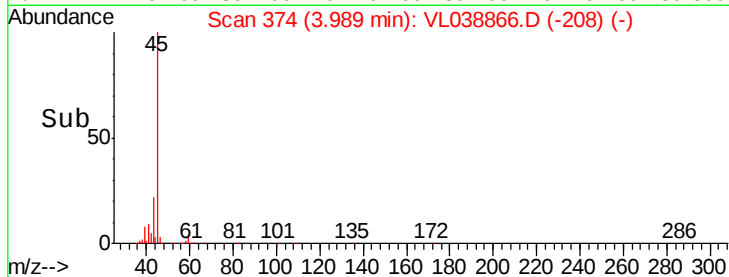
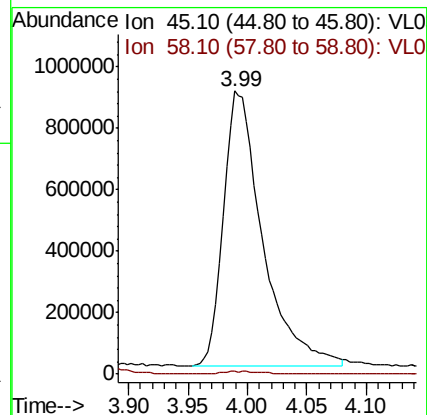
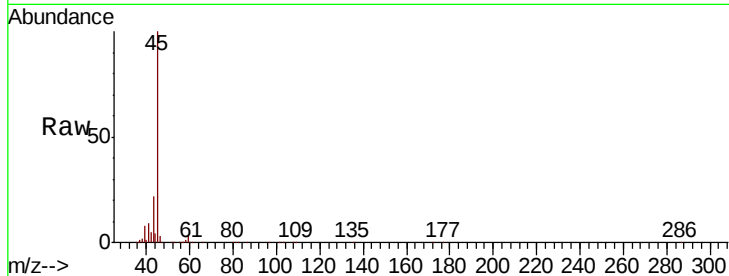
58 1.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#20

Methylene Chloride

Concen: 0.913 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VL038866.D

Acq: 8 Apr 2022 9:08

Tgt Ion: 84 Resp: 33756

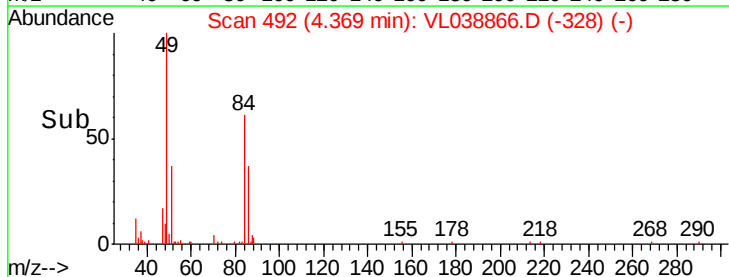
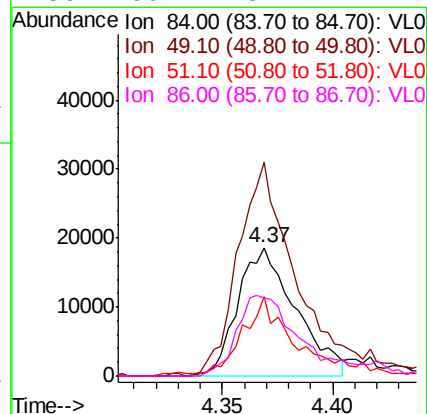
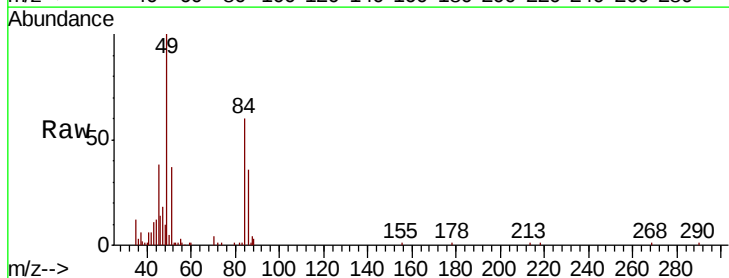
Ion Ratio Lower Upper

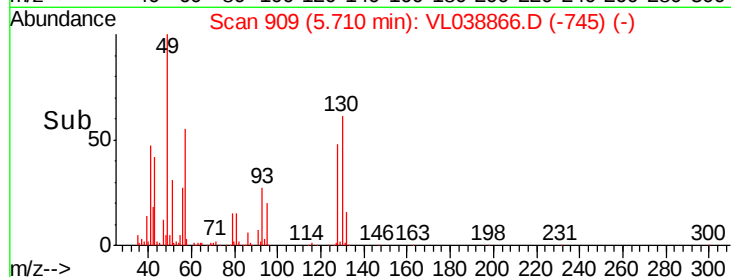
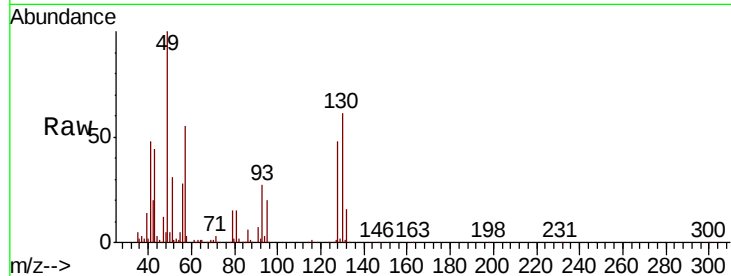
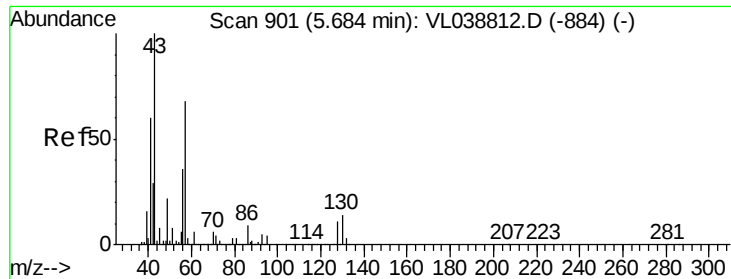
84 100

49 164.7 129.4 194.0

51 59.9 37.4 56.2#

86 60.4 51.4 77.2



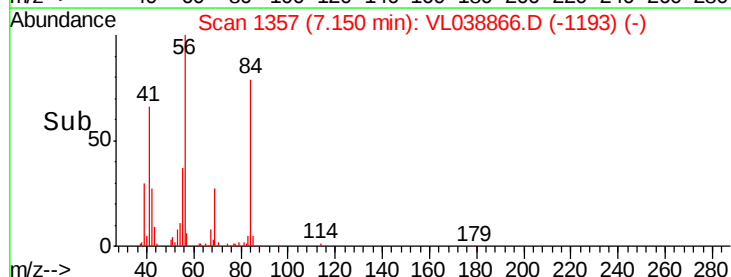
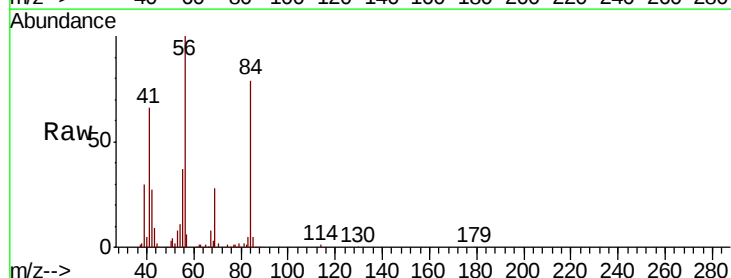
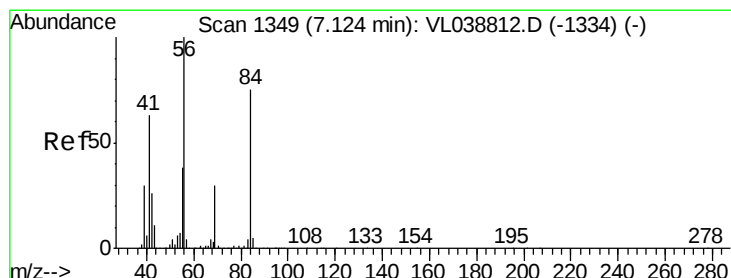
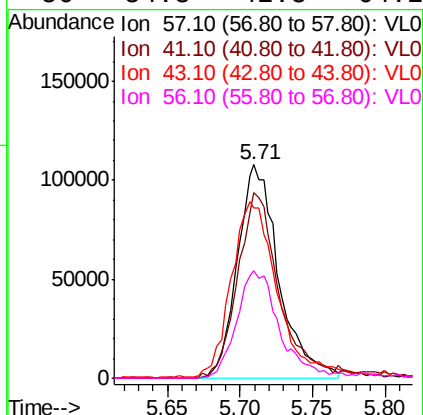


#26
Hexane
Concen: 1.812 ppbv
RT: 5.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 9:08

Tot Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio 41.10 (40.80 to 41.80): VL0
57 100
41 91.
43 94.
56 54.8 42.8 64.2

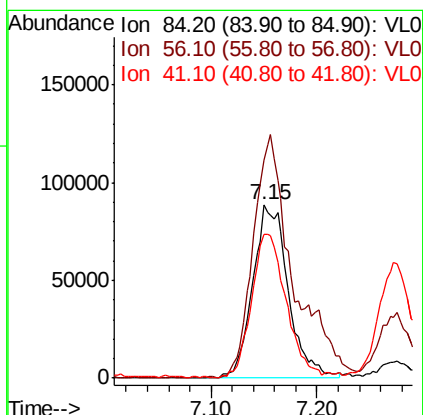
Manual Integrations
APPROVED

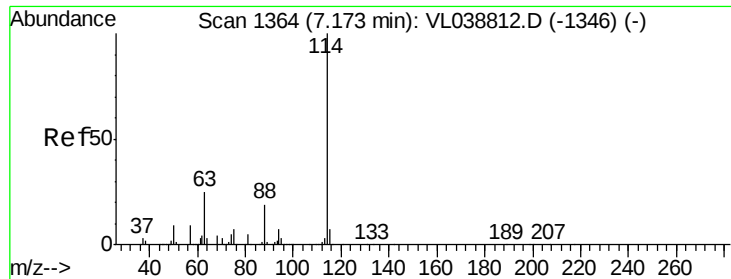
Reviewed By :Semsettin Yesilyurt 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#30
Cyclohexane
Concen: 1.974 ppbv m
RT: 7.15 min Scan# 1357
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 84 Resp: 204763
Ion Ratio Lower Upper
84 100
56 160.0 114.4 171.6
41 0.0 69.0 103.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 8 Apr 2022 9:08

Tot Ion:1

Ion Rati

114 100

63 26.

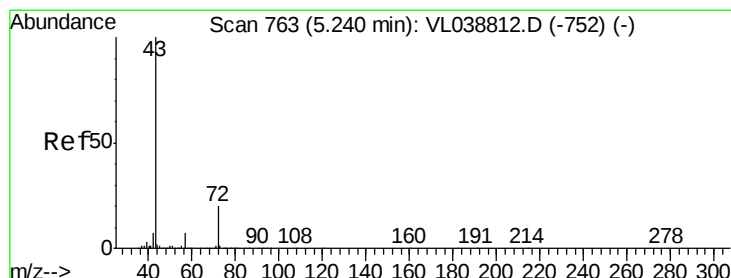
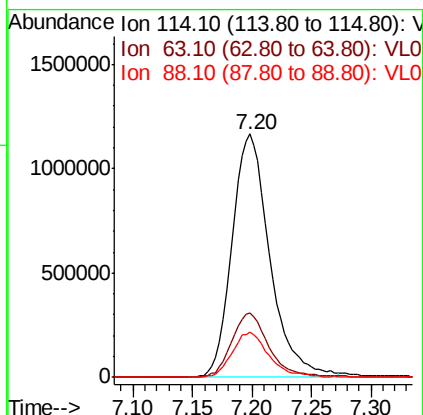
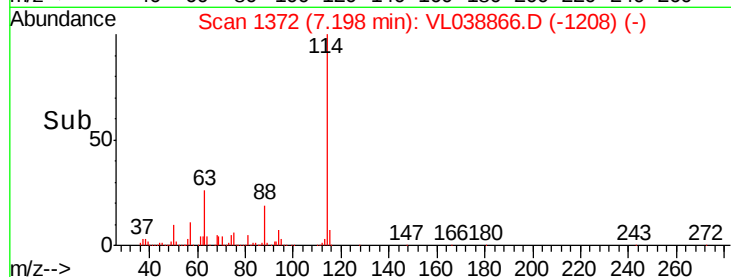
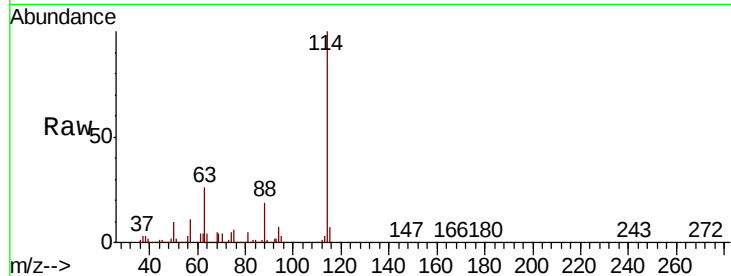
88 18.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#34

2-Butanone

Concen: 0.632 ppbv m

RT: 5.27 min Scan# 773

Delta R.T. 0.03 min

Lab File: VL038866.D

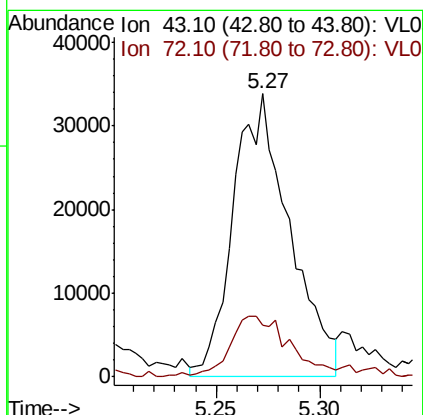
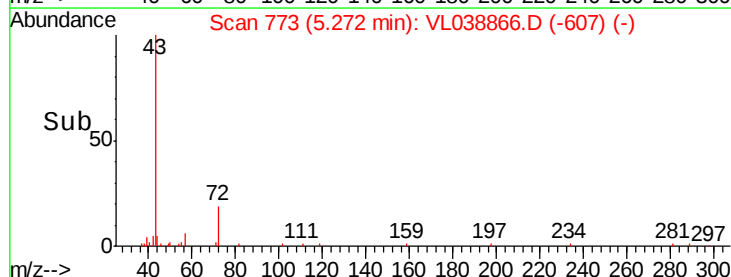
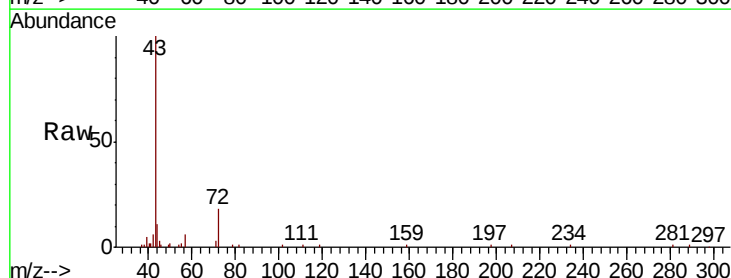
Acq: 8 Apr 2022 9:08

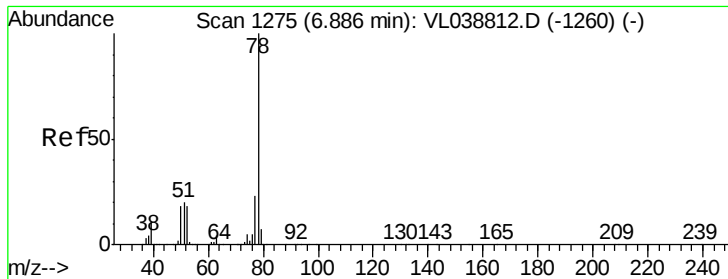
Tgt Ion: 43 Resp: 64091

Ion Ratio Lower Upper

43 100

72 0.0 16.9 25.3#



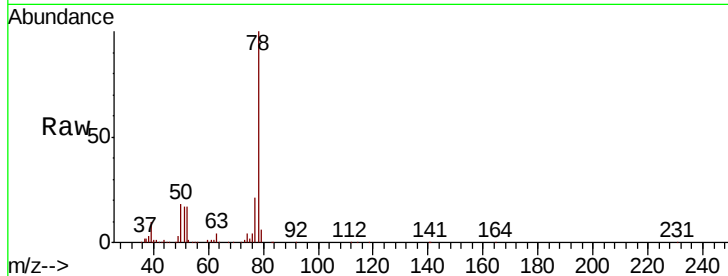


#36
Benzene
Concen: 0.894 ppbv
RT: 6.91
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 9:08

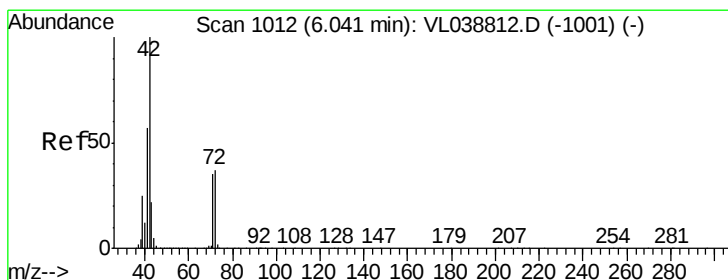
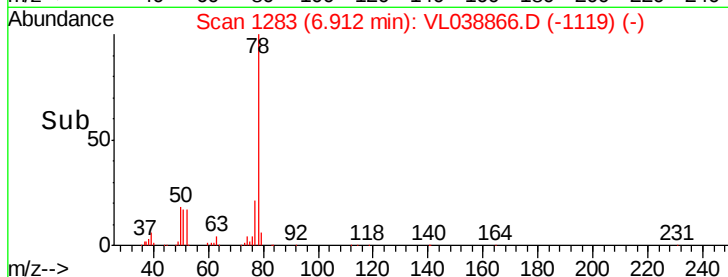
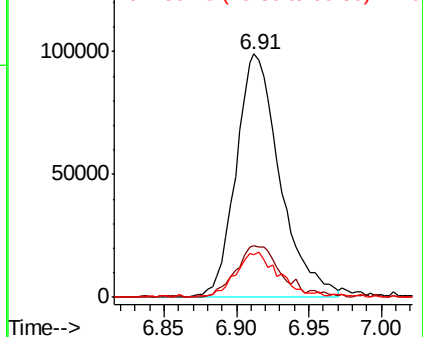
Tot Ion:
Ion Ratio
78 100
77 21.
50 17.

Manual Integrations
APPROVED

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

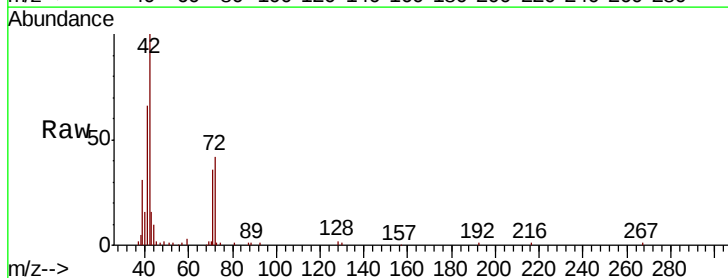


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

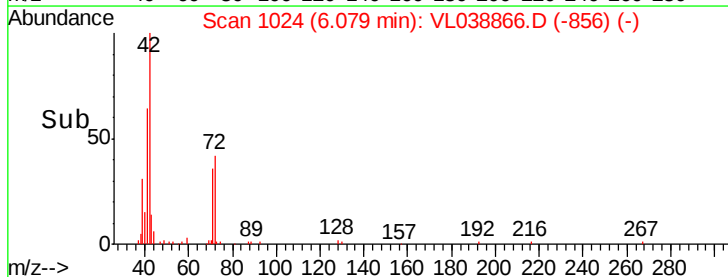
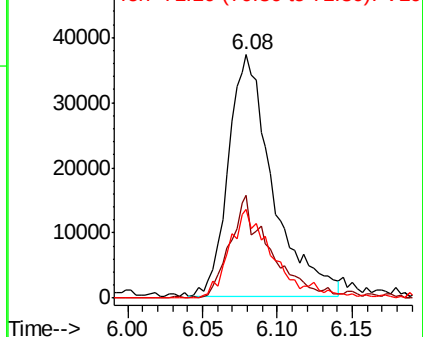


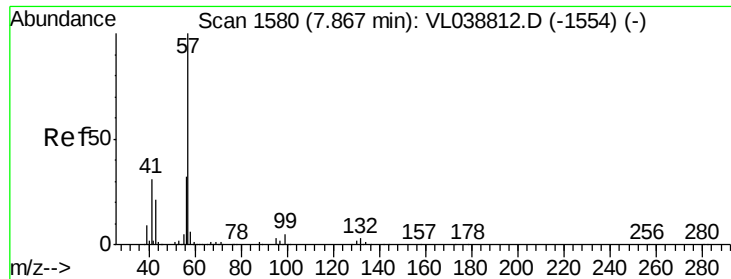
#41
Tetrahydrofuran
Concen: 0.791 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 42 Resp: 76178
Ion Ratio Lower Upper
42 100
72 40.6 31.4 47.0
71 37.3 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



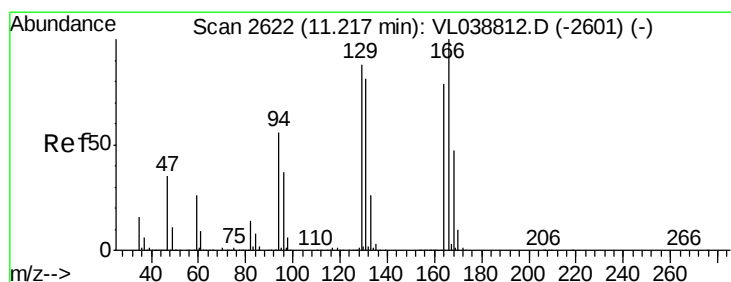
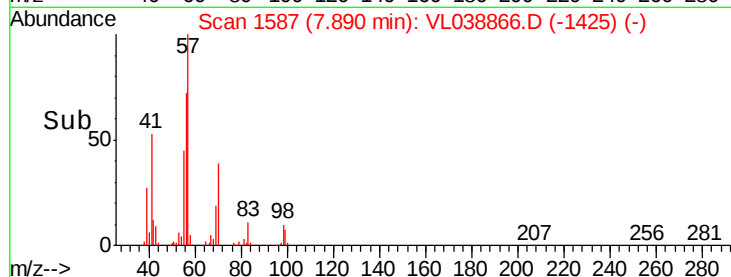
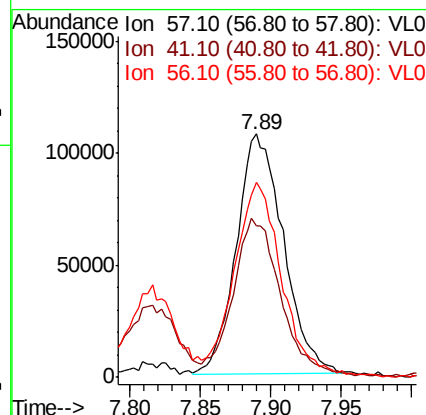
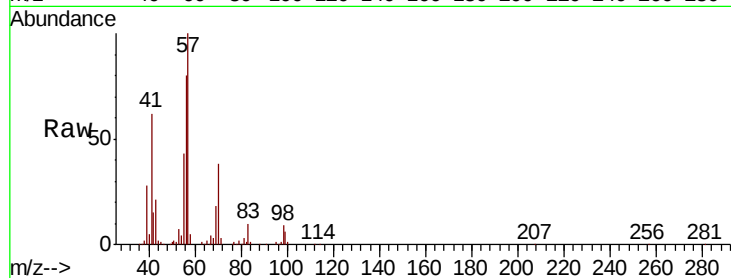


#44
2,2,4-Trimethylpentane
Concen: 0.629 ppbv
RT: 7.89
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 8 Apr 2022 9:08

Tot Ion:
Ion Rati
57 100
41 68.
56 83.

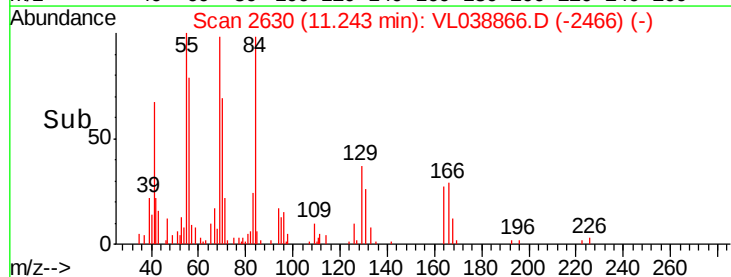
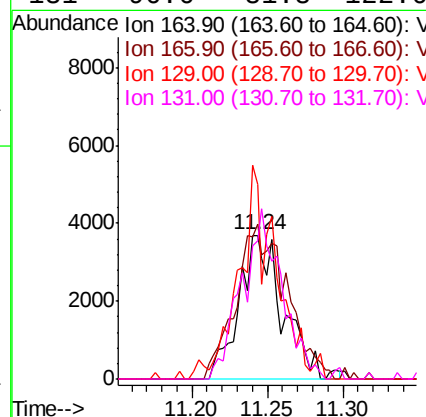
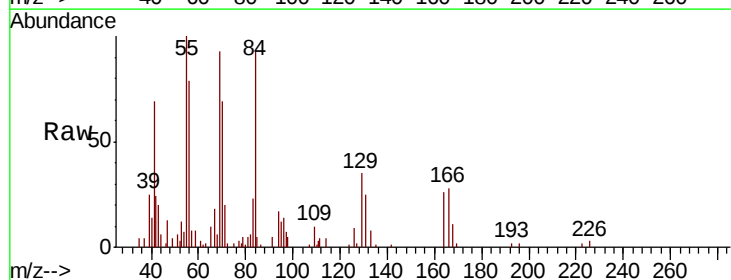
Manual Integrations
APPROVED

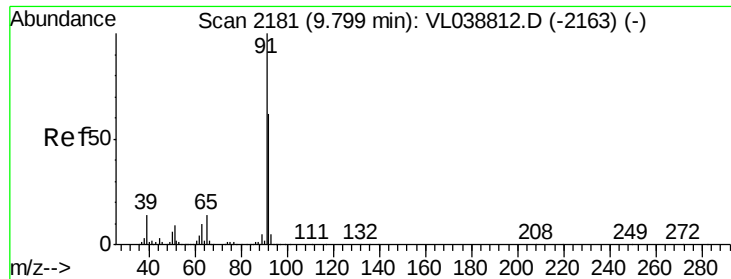
Reviewed By :Semsettin Yesilyurt 04/11/2022
Supervised By :Mahesh Dadoda 04/11/2022



#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion:164 Resp: 7420
Ion Ratio Lower Upper
164 100
166 108.2 101.0 151.6
129 135.9 88.7 133.1#
131 96.6 81.8 122.6





#53

Toluene

Concen: 6.364 ppbv

RT: 9.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 9:08

Tot Ion:

Ion Ratio

91 100

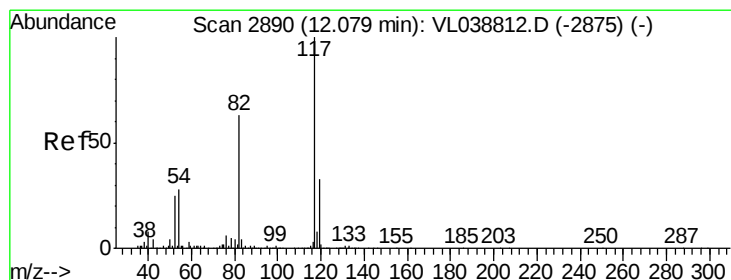
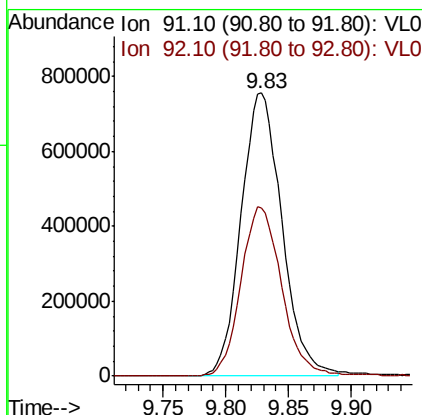
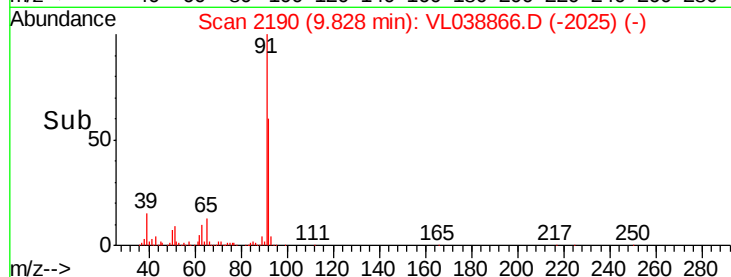
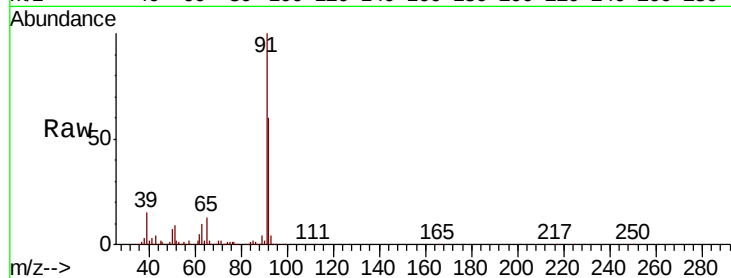
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2022

Supervised By :Mahesh Dadoda 04/11/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.03 min

Lab File: VL038866.D

Acq: 8 Apr 2022 9:08

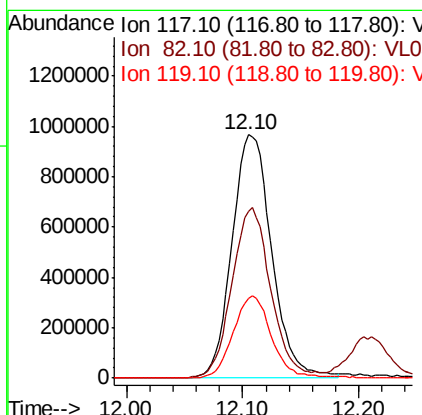
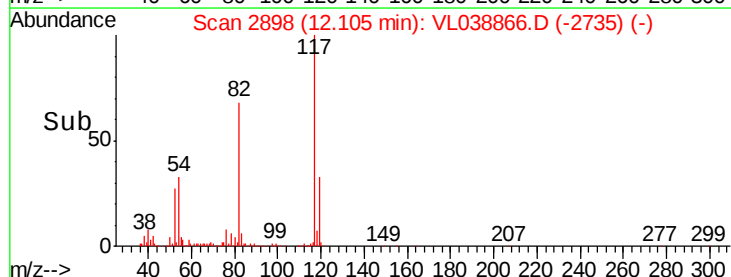
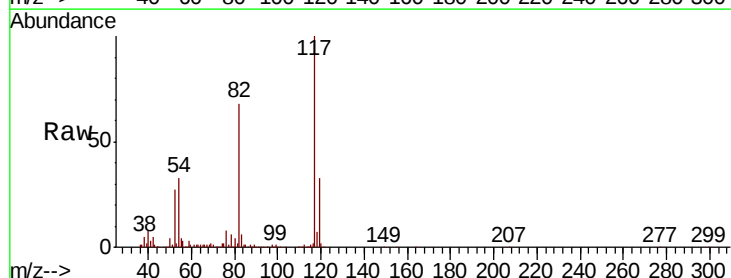
Tgt Ion:117 Resp: 2297314

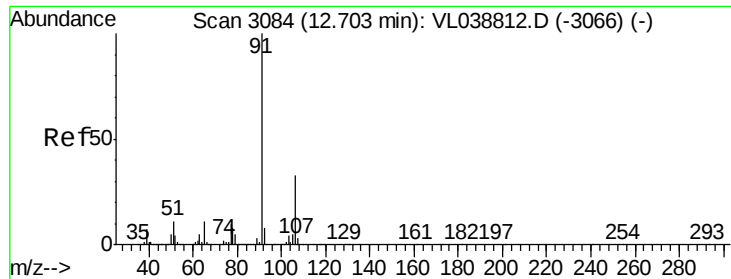
Ion Ratio Lower Upper

117 100

82 69.3 53.0 79.6

119 33.3 24.9 37.3



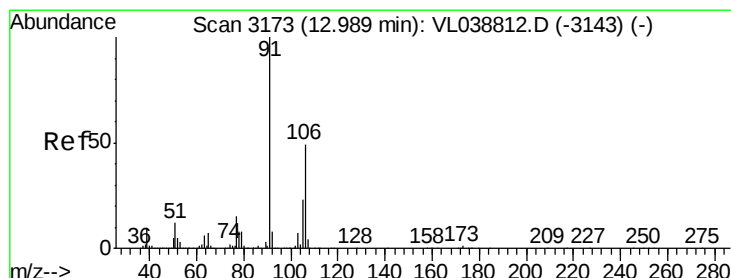
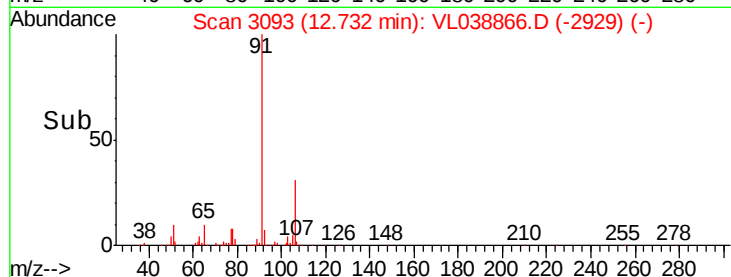
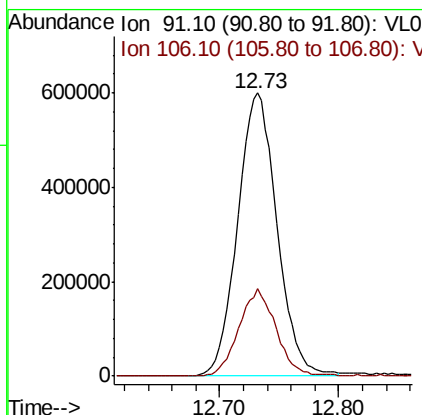
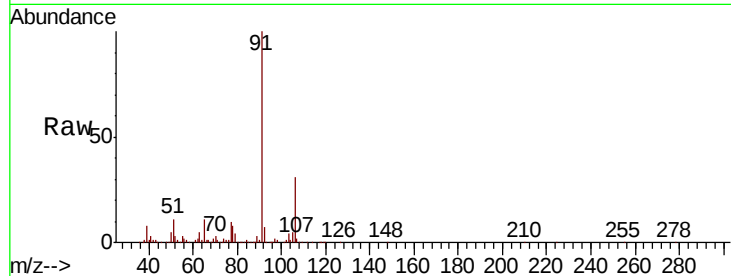


#58
Ethyl Benzene
Concen: 3.996 ppbv
RT: 12.73 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : 1161-8-01-SG-3DL
Acq: 8 Apr 2022 9:08

Tot Ion:
Ion Ratio
91 100
106 31.

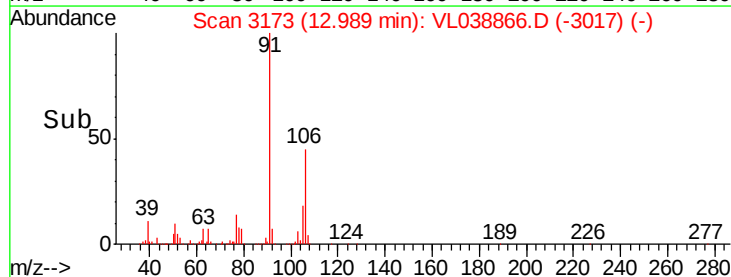
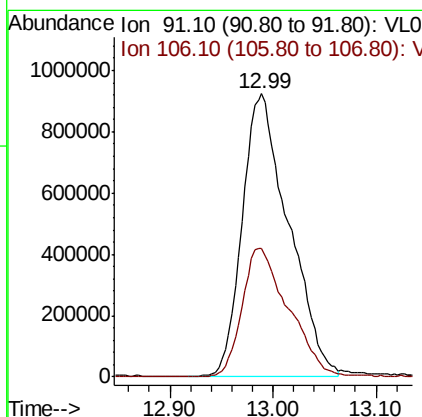
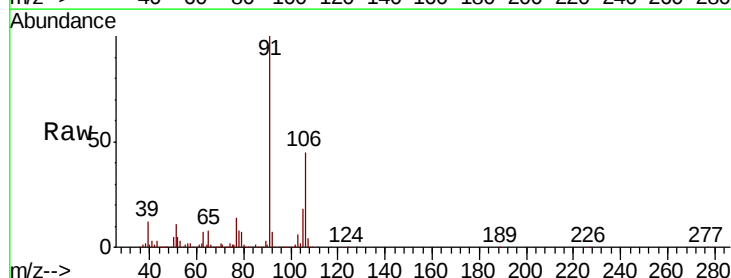
Manual Integrations
APPROVED

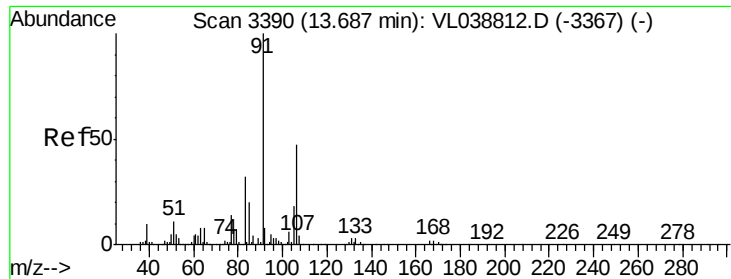
Reviewed By : Semsettin Yesilyurt 04/11/2022
Supervised By : Mahesh Dadoda 04/11/2022



#59
m/p-Xylene
Concen: 9.963 ppbv
RT: 12.99 min Scan# 3173
Delta R.T.: 0.00 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 2873426
Ion Ratio Lower Upper
91 100
106 46.2 37.1 55.7





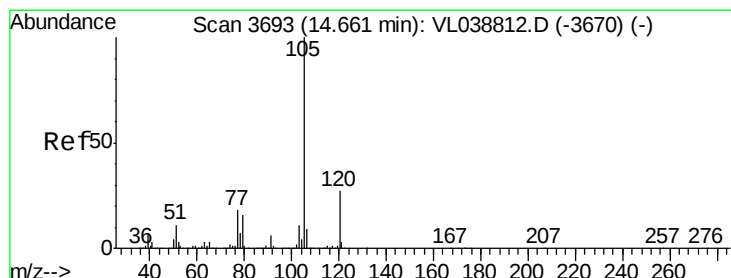
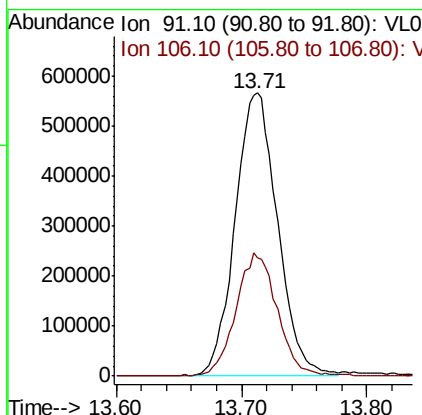
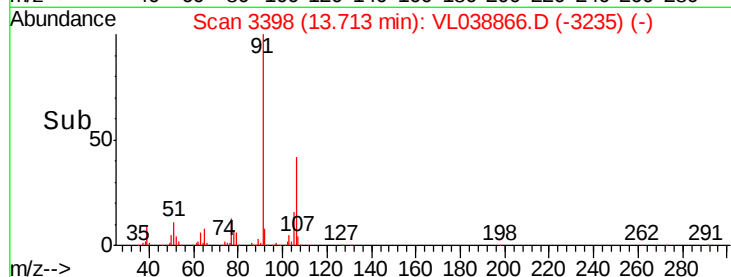
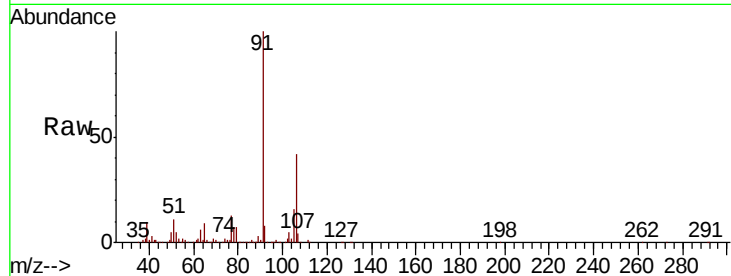
#60
o-Xylene
Concen: 4.895 ppbv
RT: 13.71 min
Delta R.T.: 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Instrument : MSVOA_1
Client Sample Id : 1161-8-01-SG-3DL

Tot Ion:
Ion Ratio
91 100
106 43.

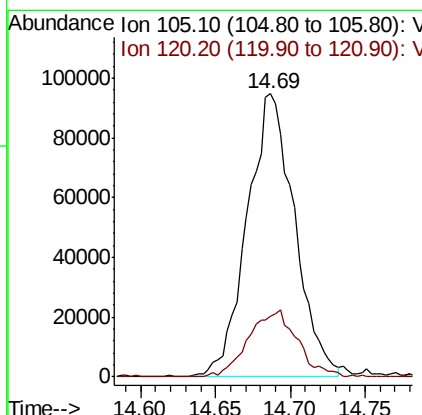
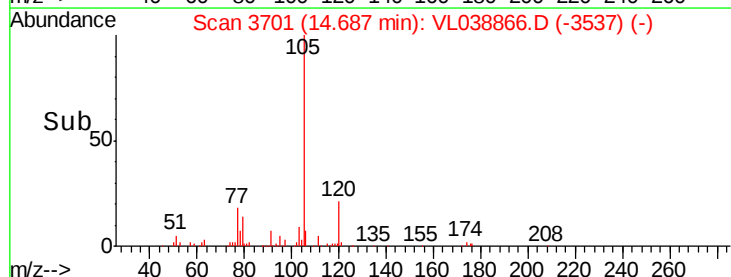
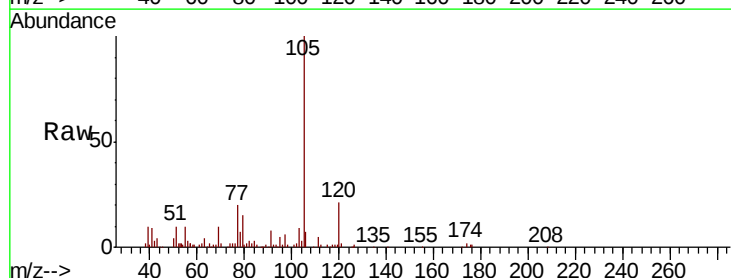
Manual Integrations
APPROVED

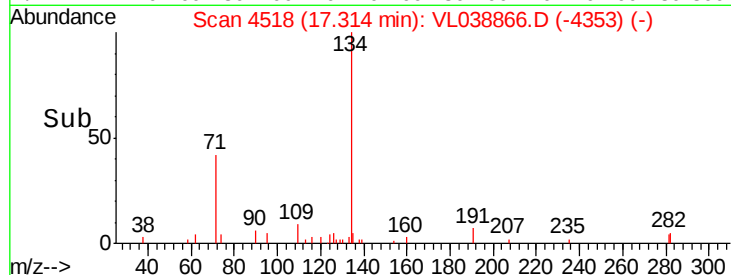
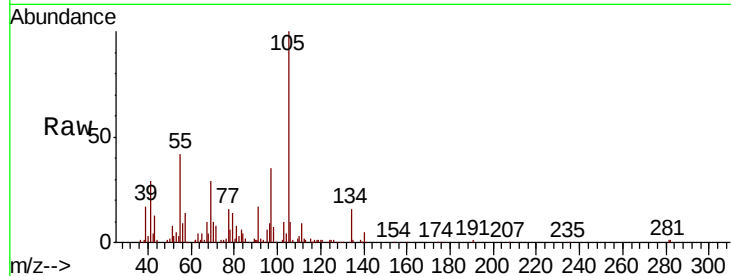
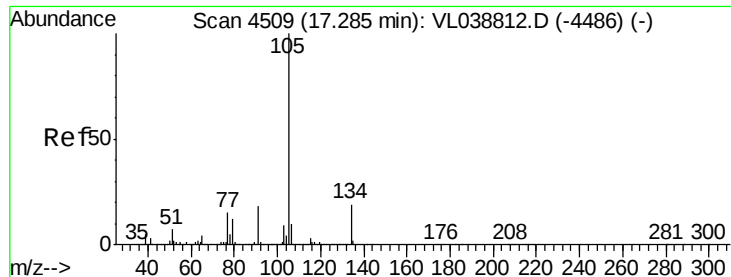
Reviewed By : Semsettin Yesilyurt 04/11/2022
Supervised By : Mahesh Dadoda 04/11/2022



#62
Isopropylbenzene
Concen: 0.514 ppbv
RT: 14.69 min Scan# 3701
Delta R.T.: 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 105 Resp: 208123
Ion Ratio Lower Upper
105 100
120 24.5 21.8 32.8

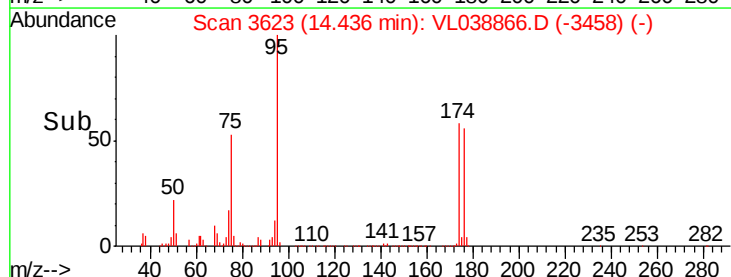
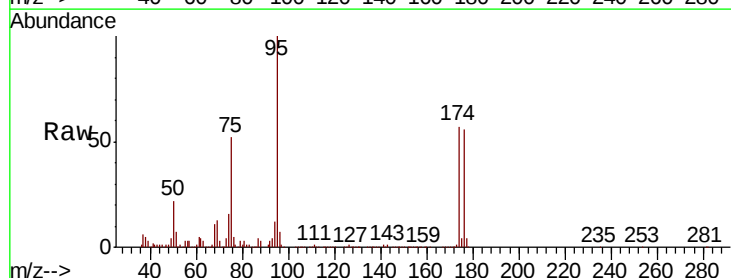
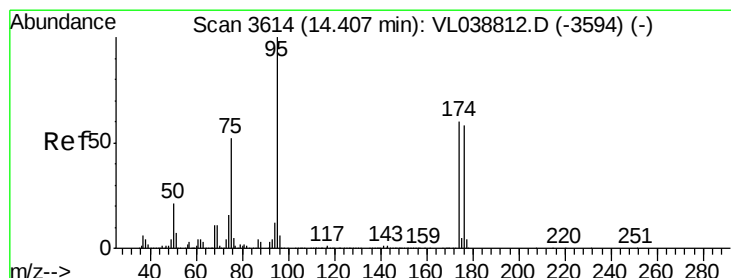
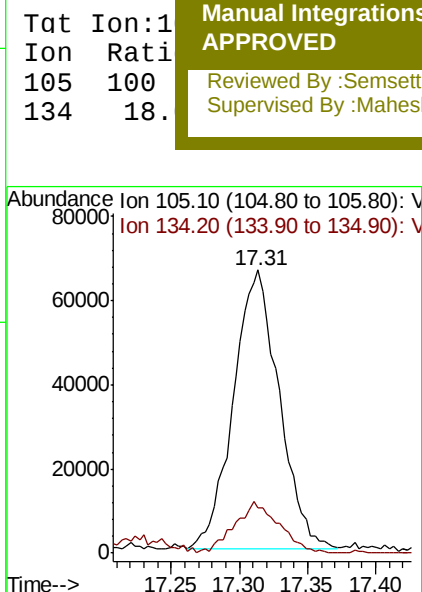




#67
 sec-Butylbenzene
 Concen: 0.306 ppbv
 RT: 17.31 min
 Delta R.T. 0.03 min
 Lab File: VL038866.D
 Acq: 8 Apr 2022 9:08

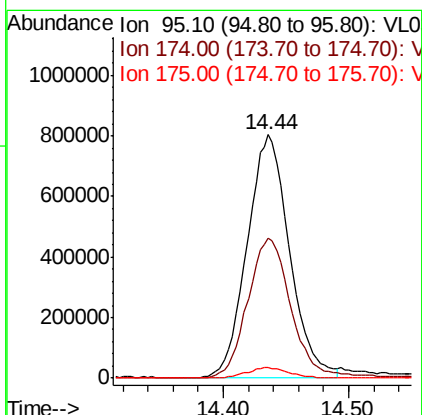
Manual Integrations
 APPROVED

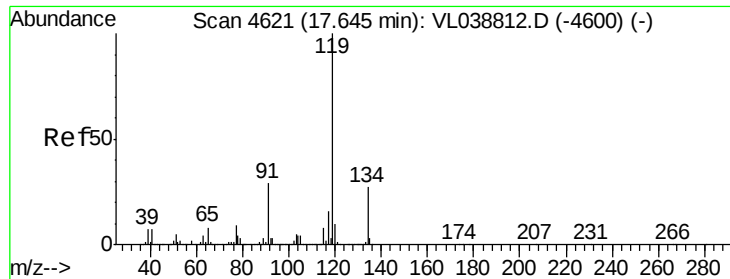
Reviewed By : Semsettin Yesilyurt 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.837 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.03 min
 Lab File: VL038866.D
 Acq: 8 Apr 2022 9:08

Tgt Ion: 95 Resp: 1888363
 Ion Ratio Lower Upper
 95 100
 174 59.3 52.0 78.0
 175 4.3 4.0 6.0



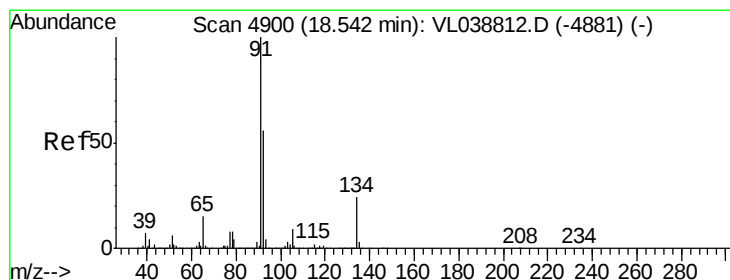
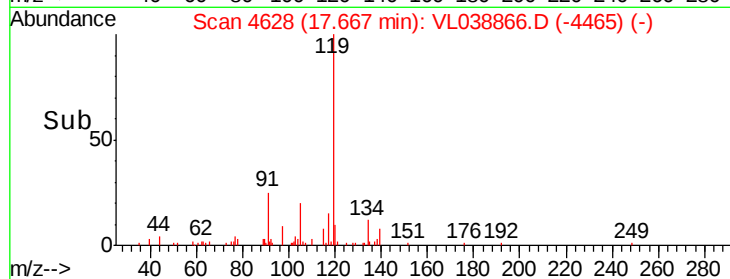
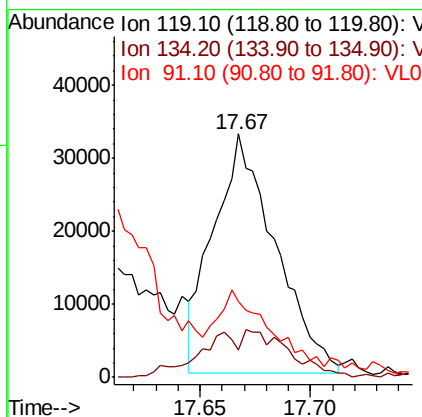
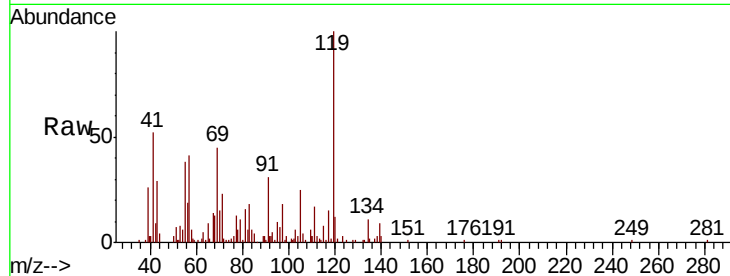


#69
 p-Isopropyltoluene
 Concen: 0.154 ppbv
 RT: 17.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 9:08

Tot Ion: 1
 Ion Ratio
 119 100
 134 27.
 91 33.

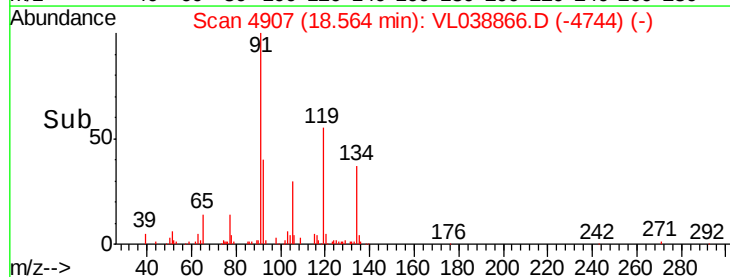
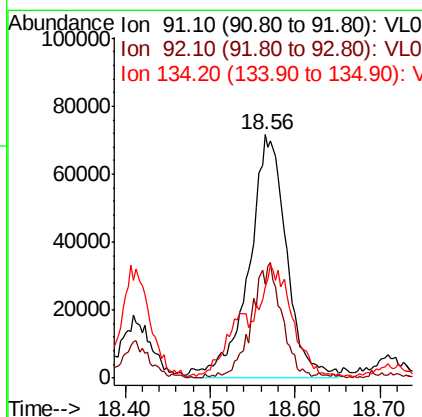
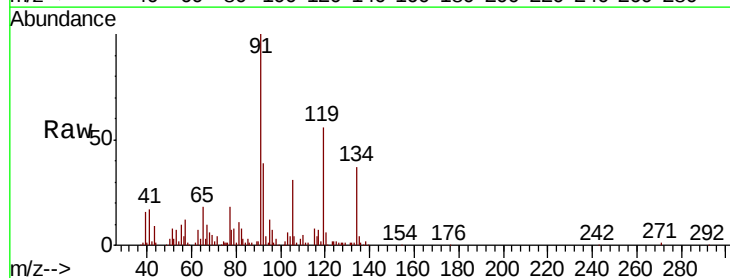
Manual Integrations
 APPROVED

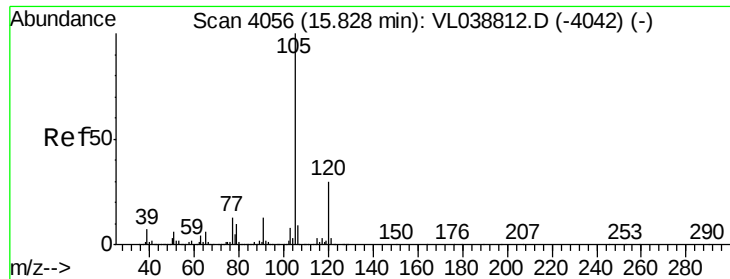
Reviewed By : Semsettin Yesilyurt 04/11/2022
 Supervised By : Mahesh Dadoda 04/11/2022



#70
 n-Butylbenzene
 Concen: 0.527 ppbv m
 RT: 18.56 min Scan# 4907
 Delta R.T.: 0.02 min
 Lab File: VL038866.D
 Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 219687
 Ion Ratio Lower Upper
 91 100
 92 39.6 44.6 66.8#
 134 58.2 19.2 28.8#



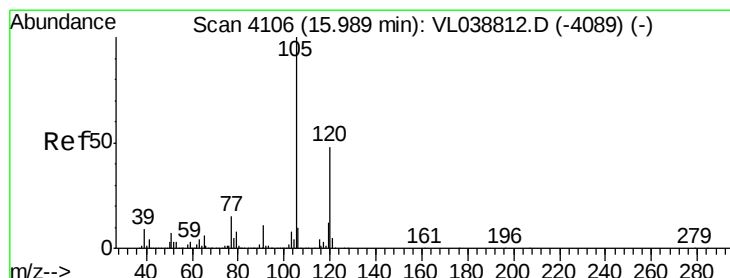
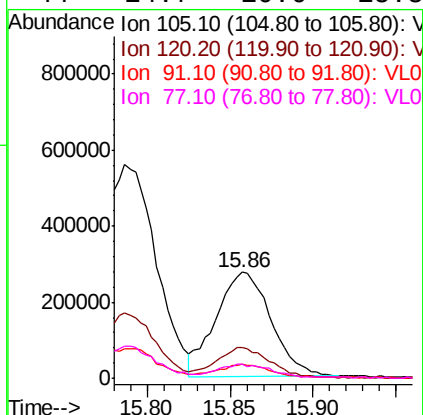
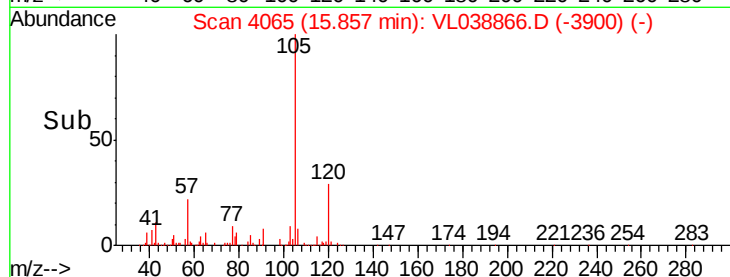
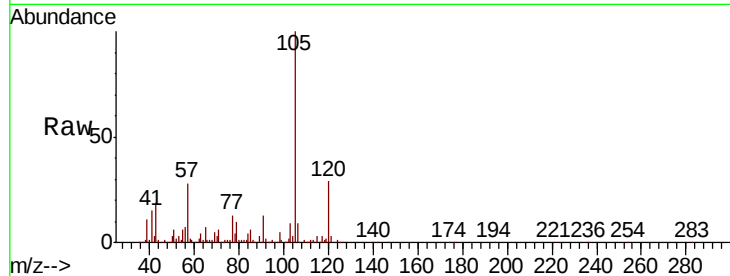


#72
 4-Ethyltoluene
 Concen: 1.963 ppbv
 RT: 15.86
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 9:08

Manual Integrations
 APPROVED

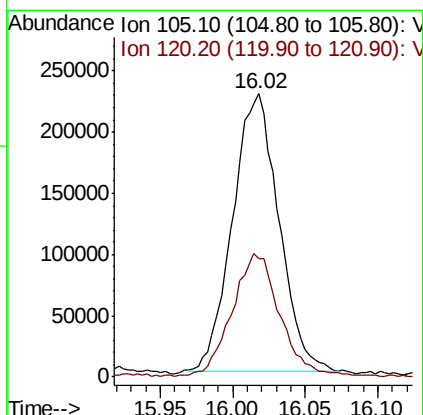
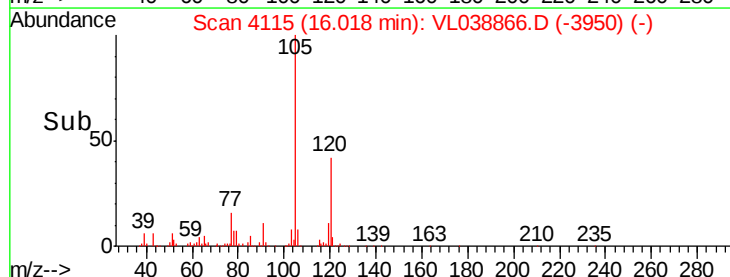
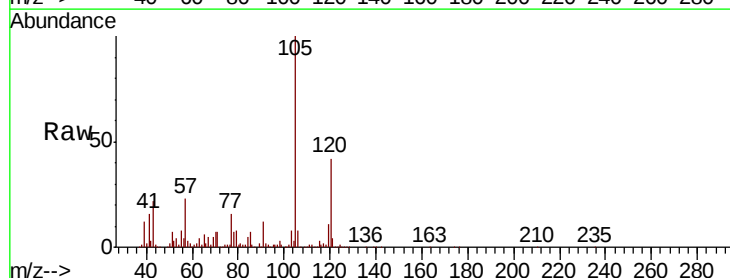
Reviewed By :Semsettin Yesilyurt 04/11/2022
 Supervised By :Mahesh Dadoda 04/11/2022

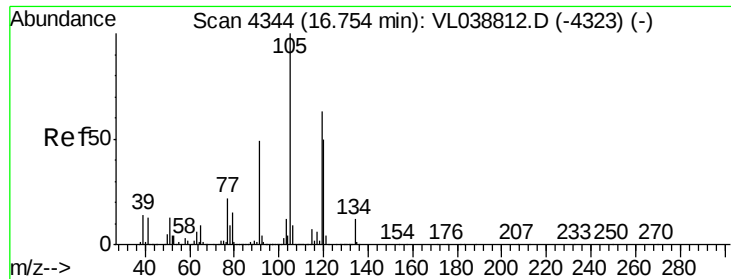
Tot Ion	Ion	Ratio
105	100	
120	29.1	
91	12.1	
77	14.7	
	10.6	
	15.8	



#73
 1,3,5-Trimethylbenzene
 Concen: 1.732 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T.: 0.03 min
 Lab File: VL038866.D
 Acq: 8 Apr 2022 9:08

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	42.2		38.7	58.1





#74
 1,2,4-Trimethylbenzene
 Concen: 4.950 ppbv
 RT: 16.78
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Apr 2022 9.08

Tot Ion:1
 Ion Rati
 105 100
 120 43.
 91 11.
 77 14.8 17.3 25.9#

Manual Integrations
 APPROVED

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

