

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040722\
 Data File : VL038860.D
 Acq On : 8 Apr 2022 3:23
 Operator : SY/AP
 Sample : N2274-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1161-8-01-SG-2

Manual Integrations
 APPROVED

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

Quant Time: Apr 08 09:57:38 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	1147597	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.21	114	2826596	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.12	117	2528272	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.45 95 1971222 10.28 ppbv 0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.07	85	116159	0.714	ppbv #	88
3) Chlorodifluoromethane	3.02	51	65108m	0.465	ppbv	
4) Chloromethane	3.17	50	36114	0.498	ppbv	95
9) Propene	3.05	41	111581m	1.506	ppbv	
10) Heptane	8.16	43	99946m	0.535	ppbv	
11) Trichlorofluoromethane	3.98	101	32490	0.248	ppbv	99
13) Ethanol	3.64	45	9941985	2207.779	ppbv #	100
15) Acetone	3.88	43	921043m	8.061	ppbv	
19) Isopropyl Alcohol	4.00	45	3927785	67.262	ppbv #	100
20) Methylene Chloride	4.38	84	26012m	0.628	ppbv	
25) Ethyl Acetate	5.71	43	208003	0.717	ppbv	98
30) Cyclohexane	7.17	84	42836m	0.368	ppbv	
34) 2-Butanone	5.29	43	86235m	0.772	ppbv	
35) Carbon Tetrachloride	7.05	117	12233m	0.072	ppbv	
36) Benzene	6.92	78	164246	0.639	ppbv	98
44) 2,2,4-Trimethylpentane	7.90	57	119762	0.275	ppbv #	68
52) Tetrachloroethene	11.25	164	4296m	0.048	ppbv	
53) Toluene	9.84	91	587287	1.978	ppbv	98
58) Ethyl Benzene	12.74	91	111199	0.294	ppbv	100
59) m/p-Xylene	13.00	91	302753m	0.954	ppbv	
60) o-Xylene	13.72	91	105403m	0.355	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	80138	0.238	ppbv #	72

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

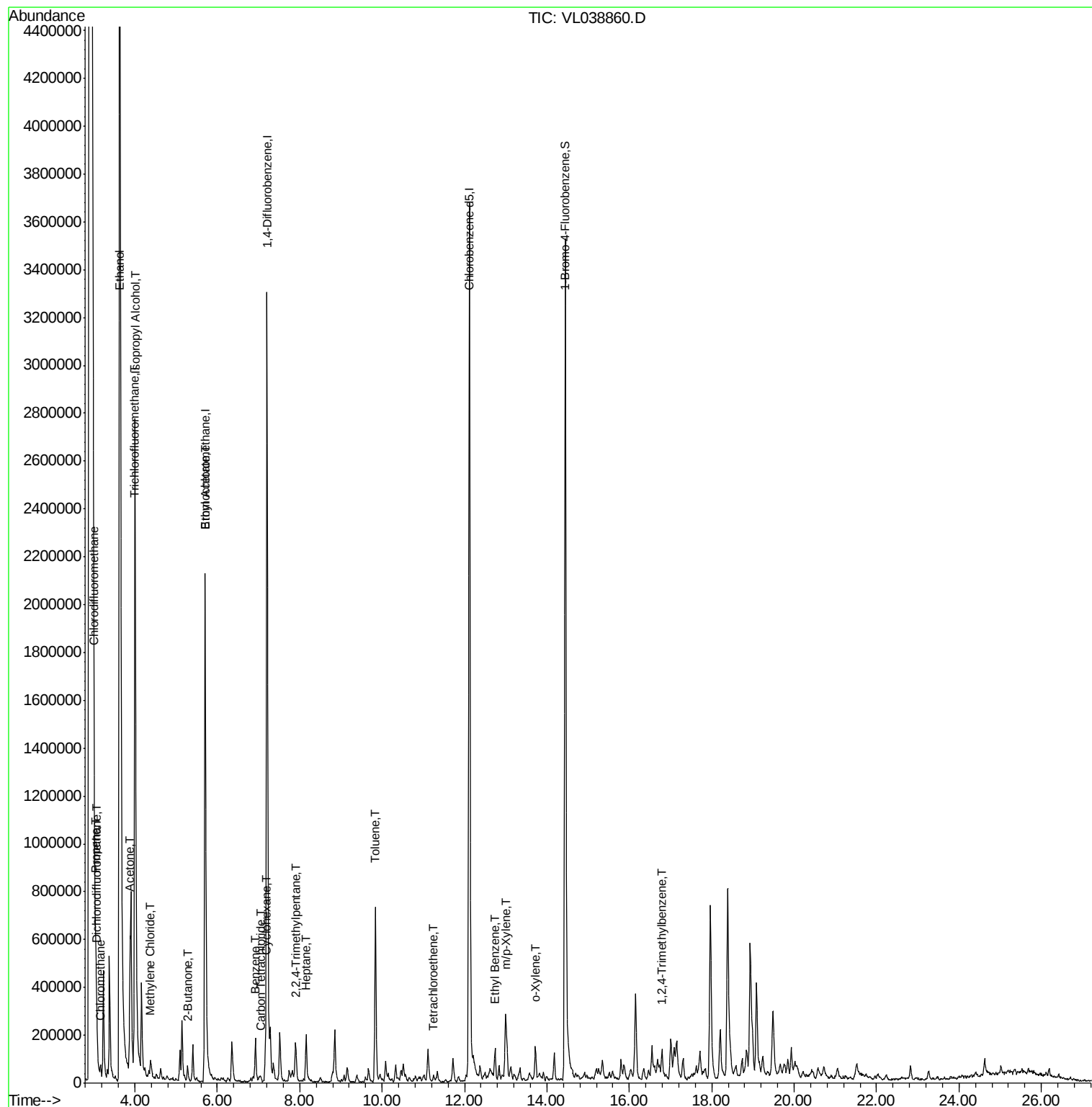
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040722\
Data File : VL038860.D
Acq On : 8 Apr 2022 3:23
Operator : SY/AP
Sample : N2274-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

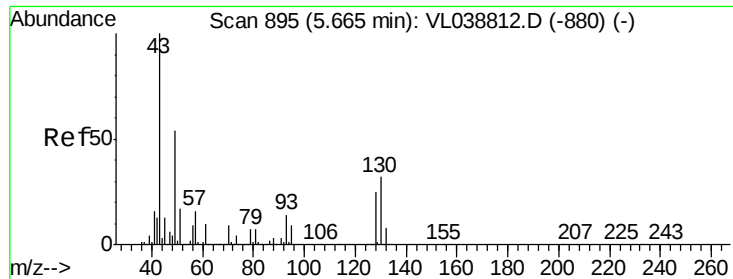
Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-2

Quant Time: Apr 08 09:57:38 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_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 8 Apr 2022 3:23

Tot Ion:

Ion Ratio

49 100

128 46.

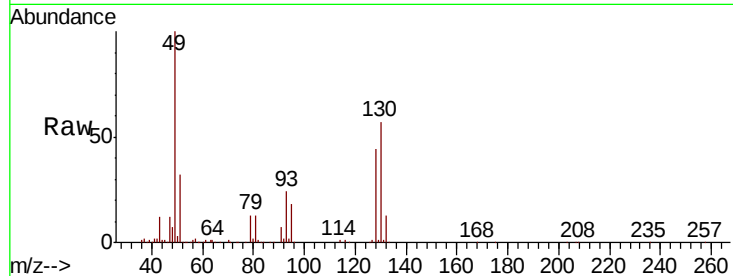
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

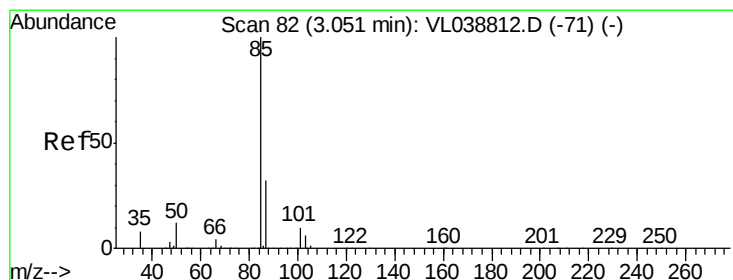
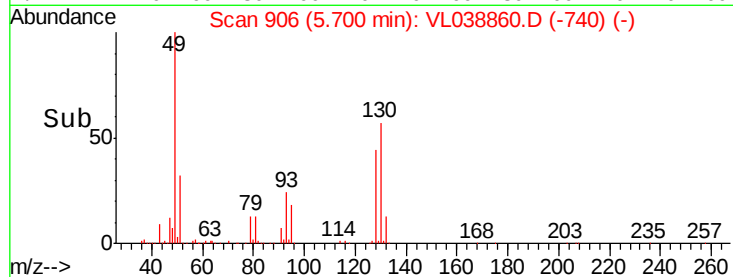
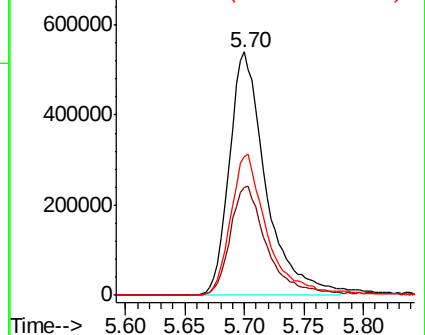
Supervised By :Mahesh Dadoda 04/11/2022



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



#2

Dichlorodifluoromethane

Concen: 0.714 ppbv

RT: 3.07 min Scan# 89

Delta R.T. 0.02 min

Lab File: VL038860.D

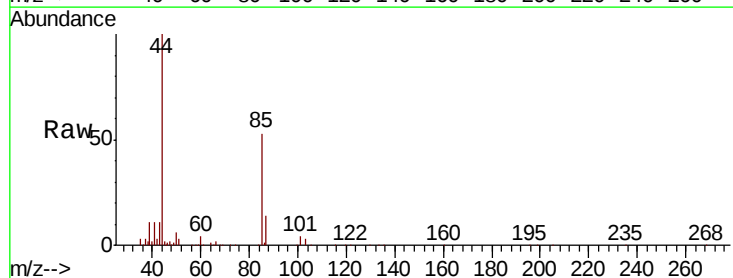
Acq: 8 Apr 2022 3:23

Tgt Ion: 85 Resp: 116159

Ion Ratio Lower Upper

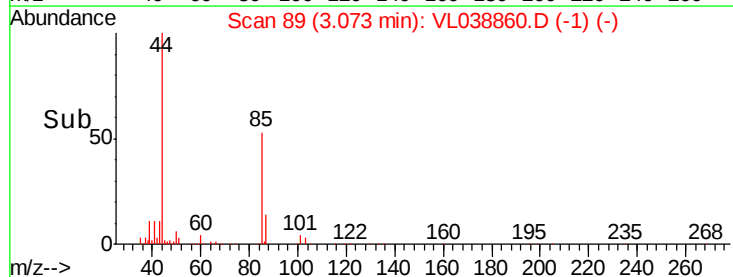
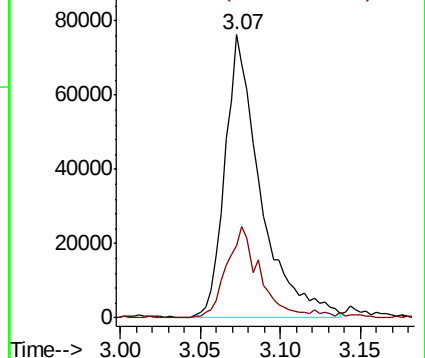
85 100

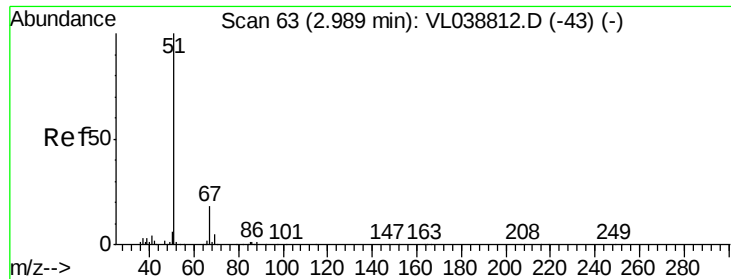
87 25.5 25.9 38.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



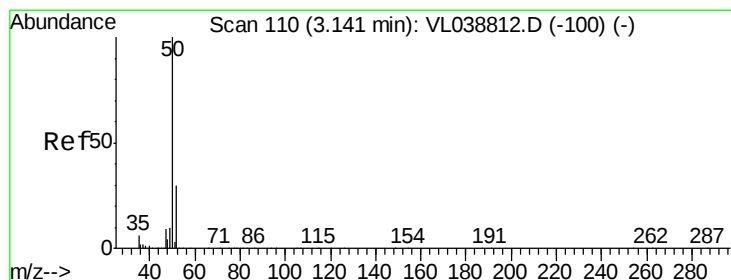
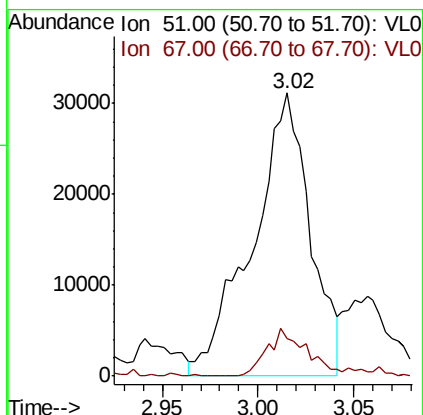
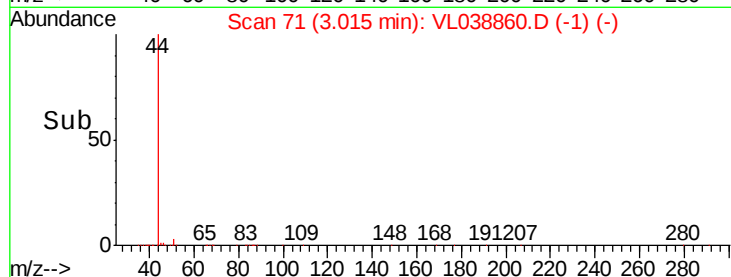
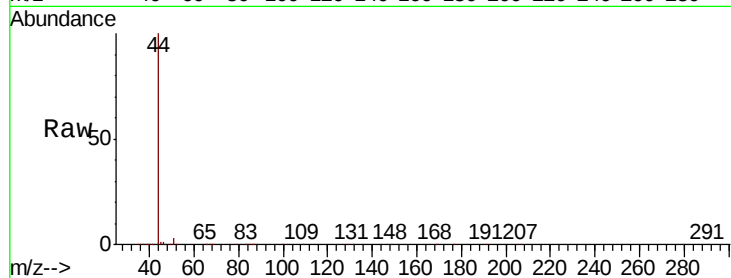


#3
Chlorodifluoromethane
Concen: 0.465 ppbv m
RT: 3.02 Instrument : MSVOA_1
Delta R.T. ClientSampleId :
Lab File: 1161-8-01-SG-2
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
51 100
67 0.

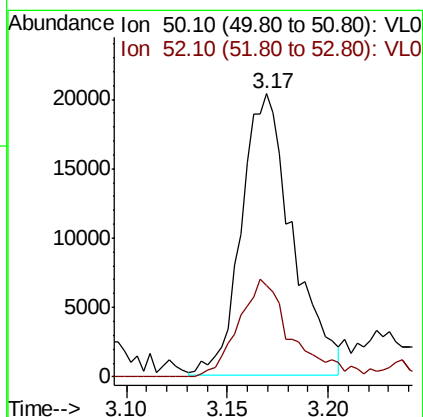
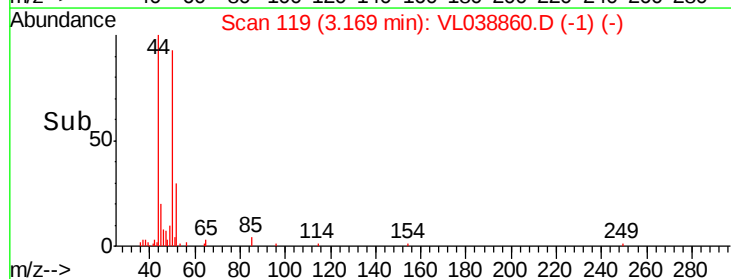
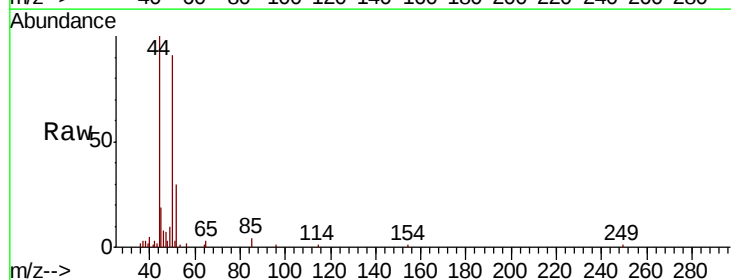
Manual Integrations
APPROVED

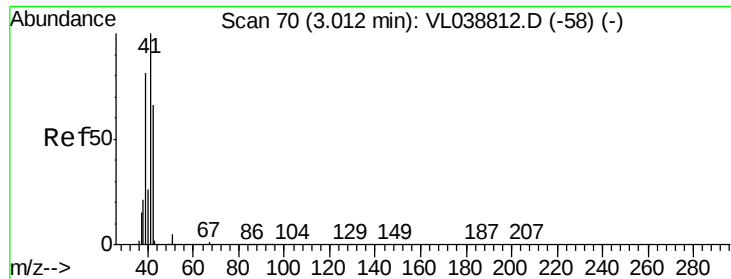
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#4
Chloromethane
Concen: 0.498 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.03 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 50 Resp: 36114
Ion Ratio Lower Upper
50 100
52 32.9 24.3 36.5





#9

Propene

Concen: 1.506 ppbv m

RT: 3.05 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Apr 2022 3:23

Tot Ion:

Ion Ratio

41 100

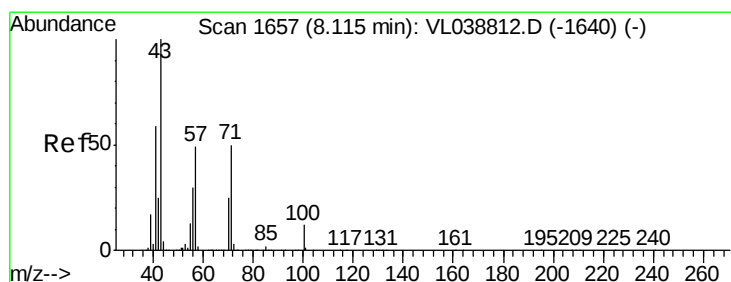
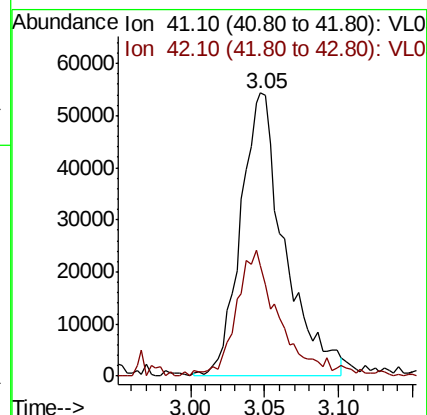
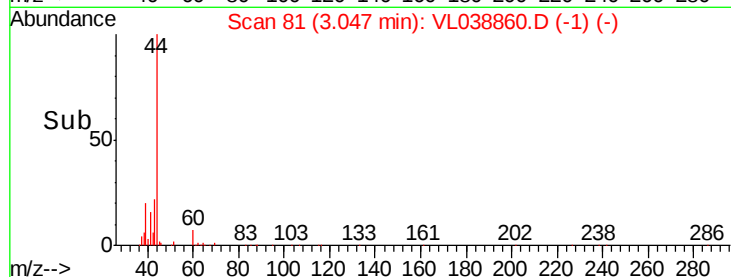
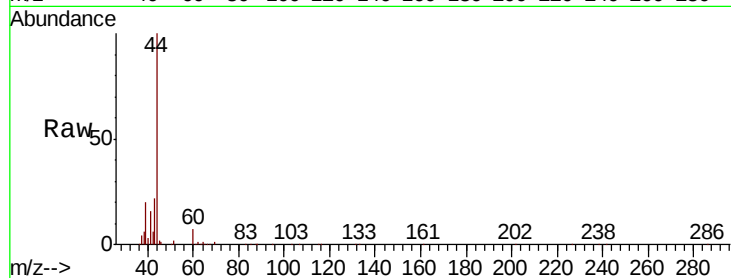
42 94.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2022

Supervised By :Mahesh Dadoda 04/11/2022



#10

Heptane

Concen: 0.535 ppbv m

RT: 8.16 min Scan# 1671

Delta R.T. 0.04 min

Lab File: VL038860.D

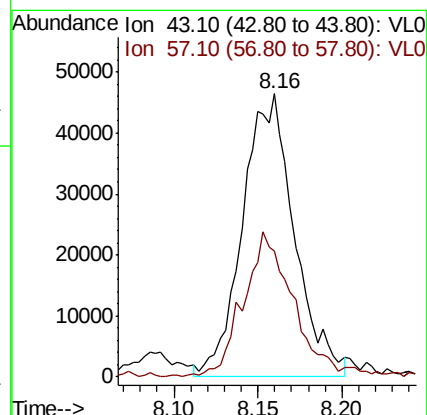
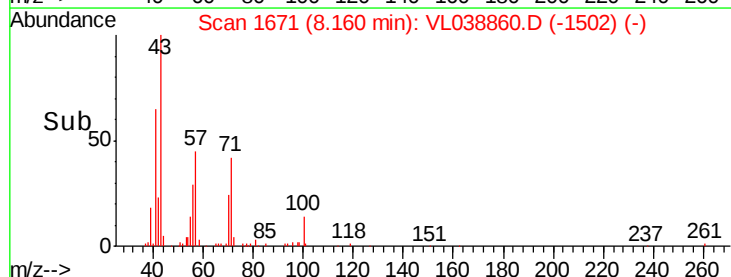
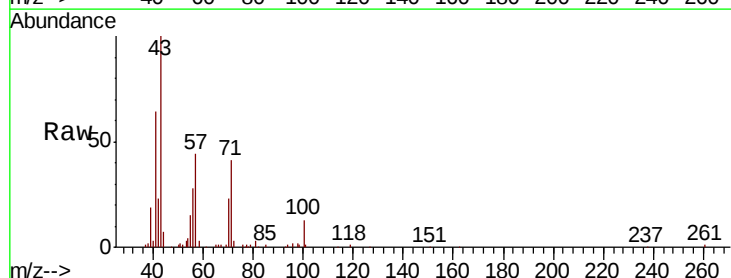
Acq: 8 Apr 2022 3:23

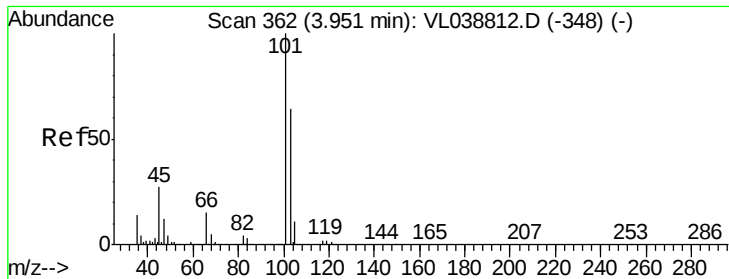
Tgt Ion: 43 Resp: 99946

Ion Ratio Lower Upper

43 100

57 0.0 39.3 58.9#



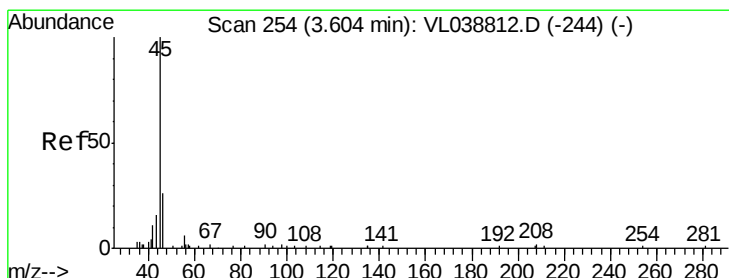
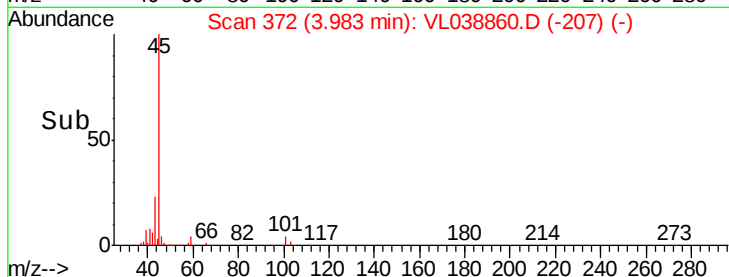
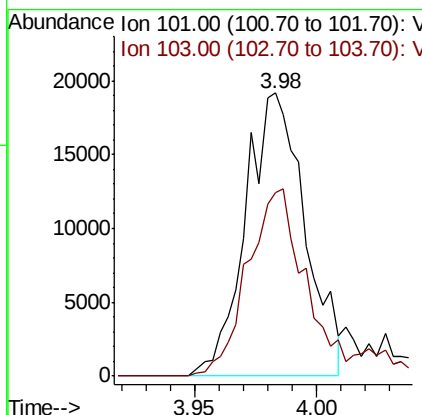
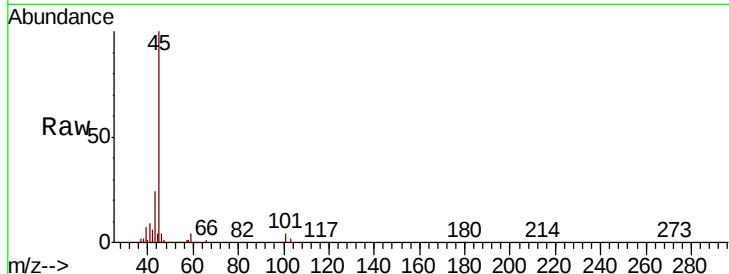


#11
 Trichlorofluoromethane
 Concen: 0.248 ppbv
 RT: 3.98
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Apr 2022 3:23

Tot Ion:1
 Ion Rati
 101 100
 103 64.

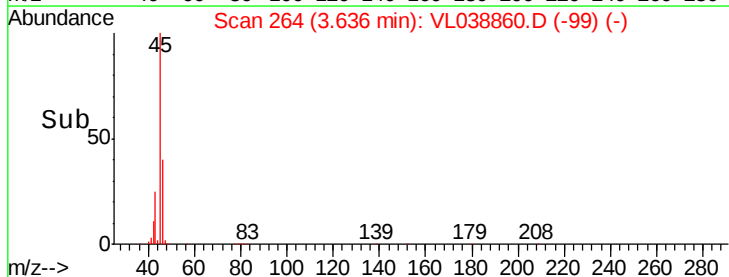
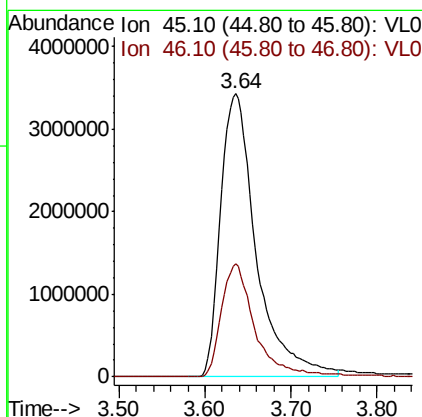
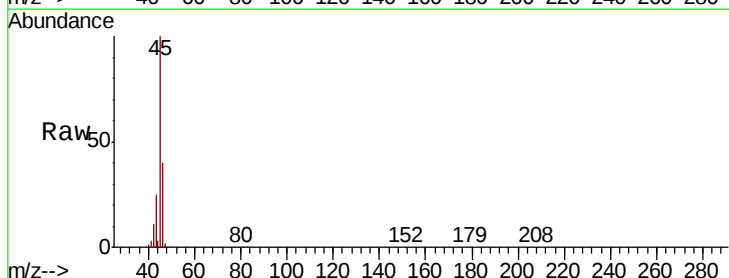
Manual Integrations
 APPROVED

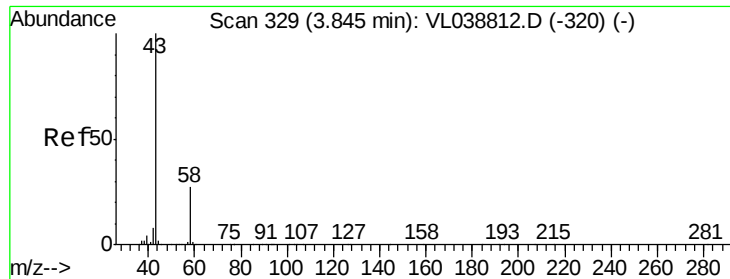
Reviewed By :Semsettin Yesilyurt 04/09/2022
 Supervised By :Mahesh Dadoda 04/11/2022



#13
 Ethanol
 Concen: 2207.779 ppbv
 RT: 3.64 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VL038860.D
 Acq: 8 Apr 2022 3:23

Tgt Ion: 45 Resp: 9941985
 Ion Ratio Lower Upper
 45 100
 46 38.6 0.0 0.0#



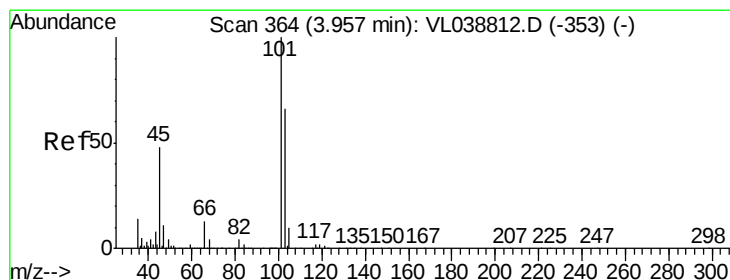
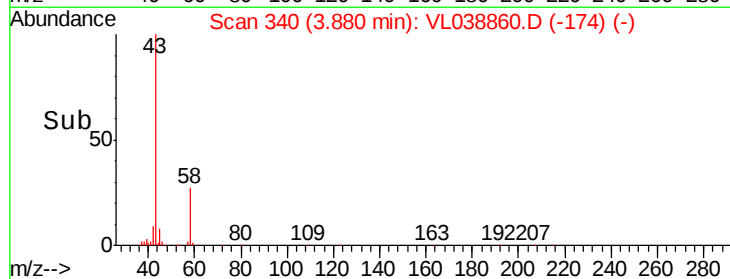
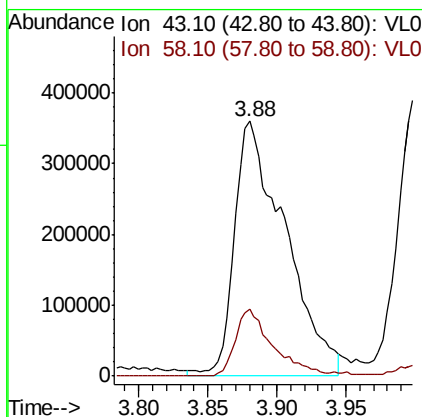
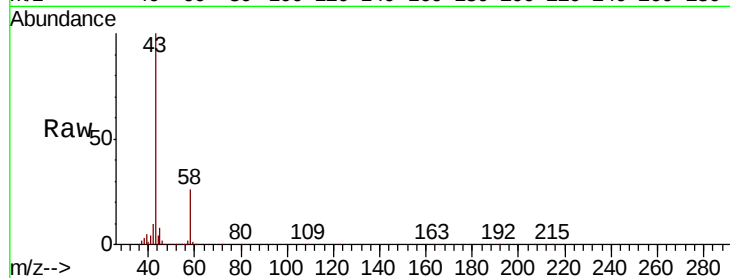


#15
Acetone
Concen: 8.061 ppbv m
RT: 3.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
43 100
58 20.

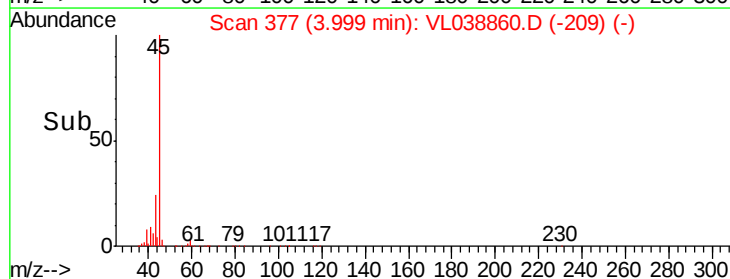
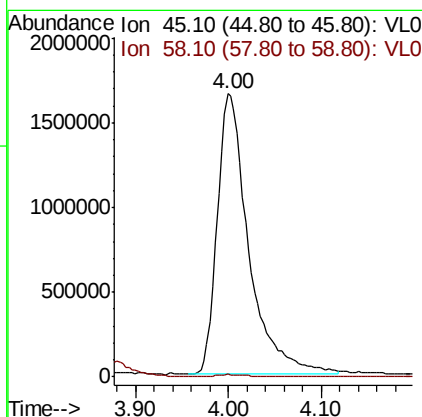
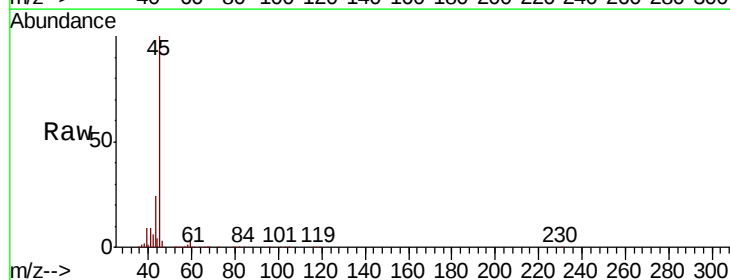
Manual Integrations
APPROVED

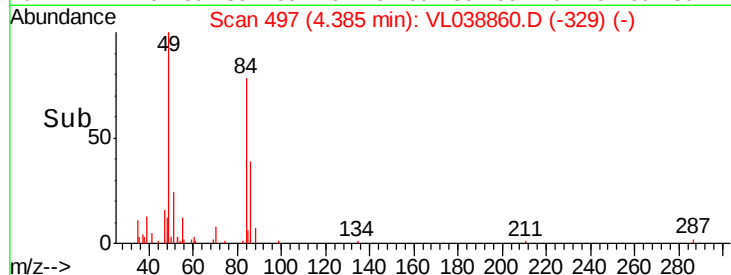
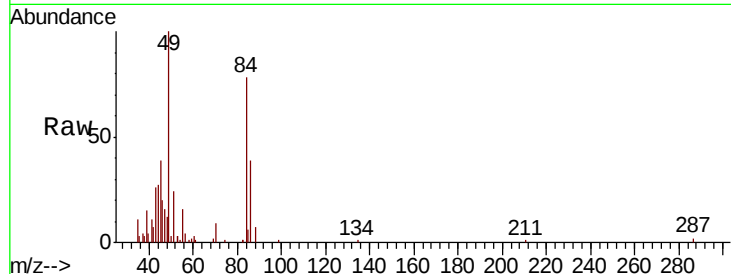
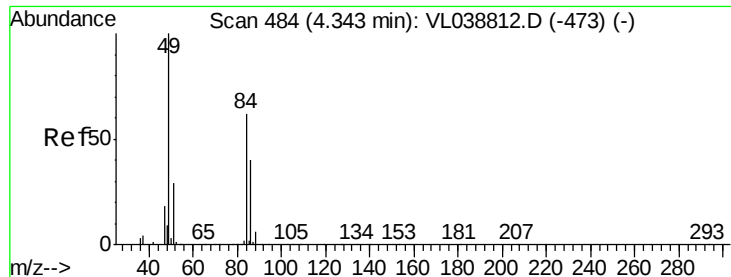
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#19
Isopropyl Alcohol
Concen: 67.262 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 45 Resp: 3927785
Ion Ratio Lower Upper
45 100
58 0.9 0.0 0.0#



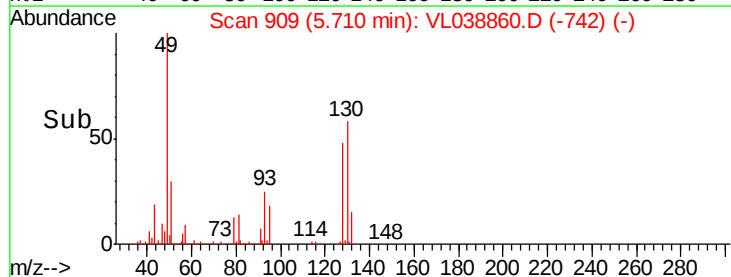
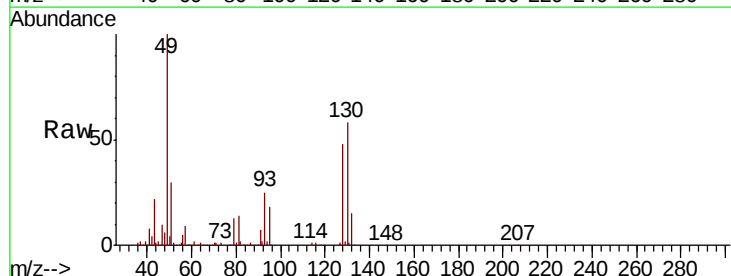
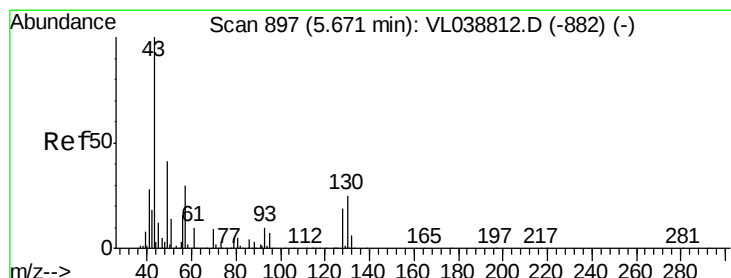
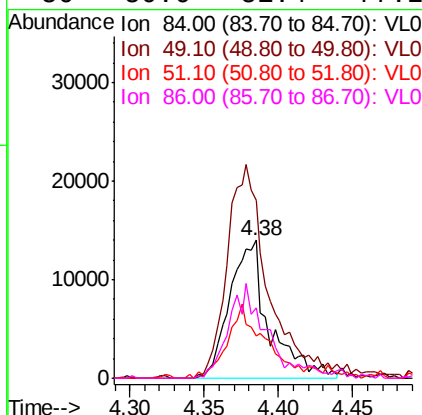


#20
Methvlene Chloride
Concen: 0.628 ppbv m
RT: 4.38
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
84 100
49 128.
51 31.
86 50.6 51.4 77.2#

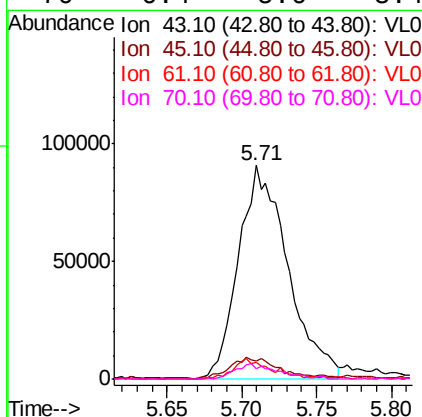
Manual Integrations
APPROVED

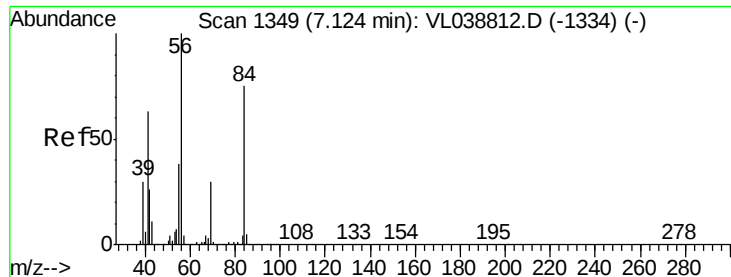
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#25
Ethyl Acetate
Concen: 0.717 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 43 Resp: 208003
Ion Ratio Lower Upper
43 100
45 10.5 8.4 12.6
61 7.9 7.9 11.9
70 6.4 5.6 8.4



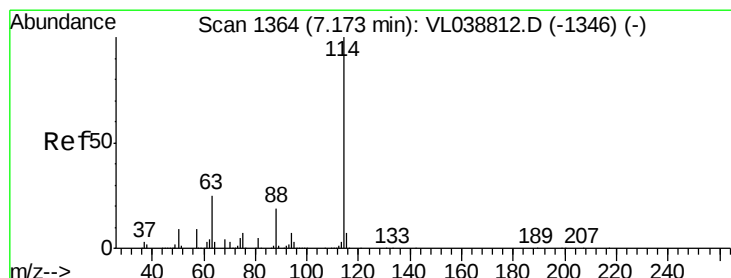
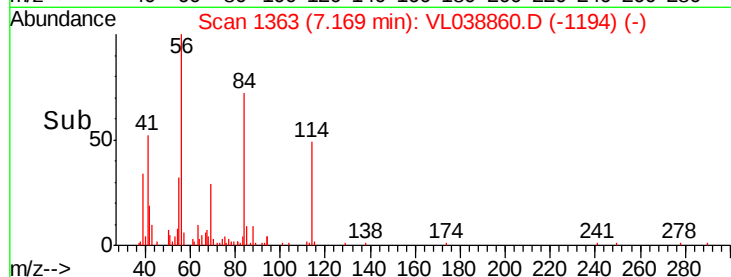
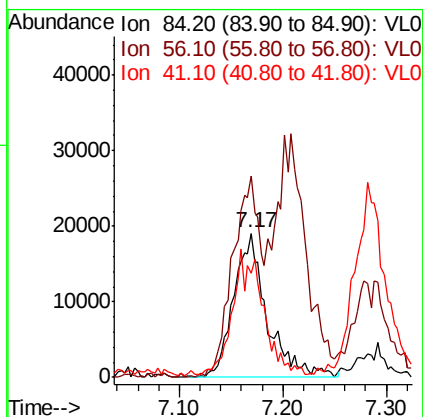
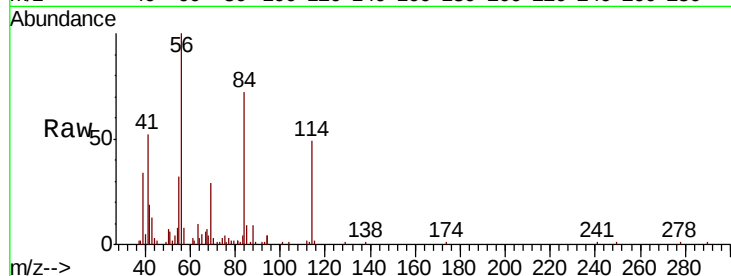


#30
Cvclohexane
Concen: 0.368 ppbv m
RT: 7.17 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 3:23 1161-8-01-SG-2

Tot Ion:
Ion Rati
84 100
56 123.
41 80.

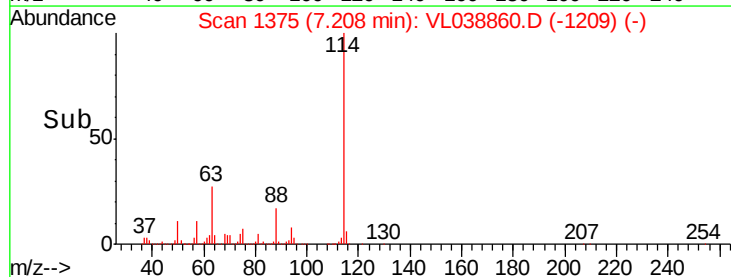
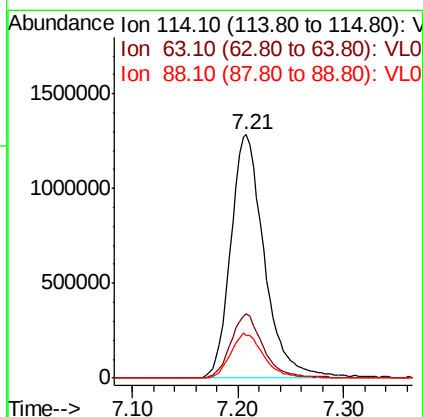
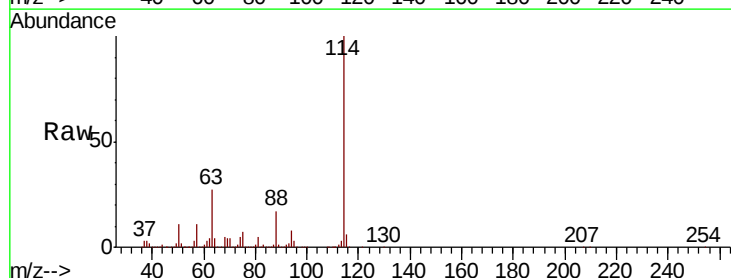
Manual Integrations
APPROVED

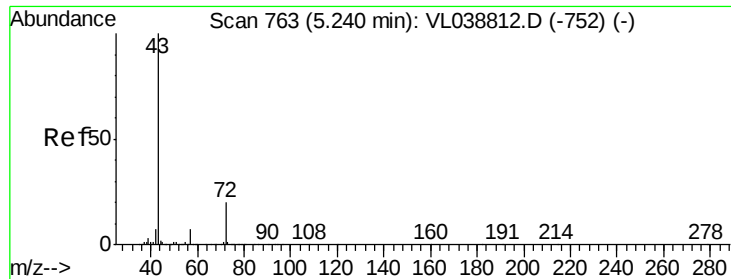
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion:114 Resp: 2826596
Ion Ratio Lower Upper
114 100
63 25.7 19.8 29.8
88 18.4 14.2 21.4



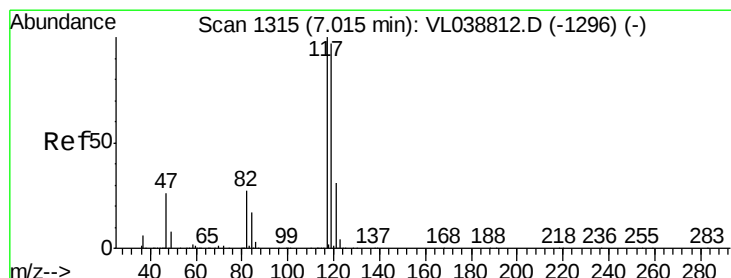
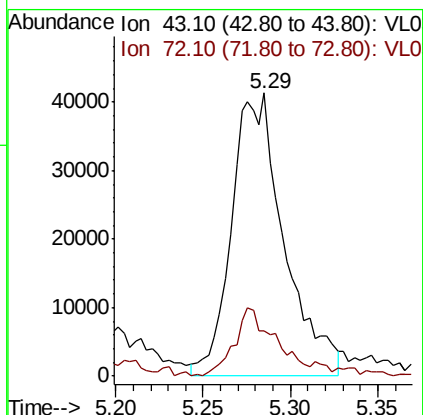
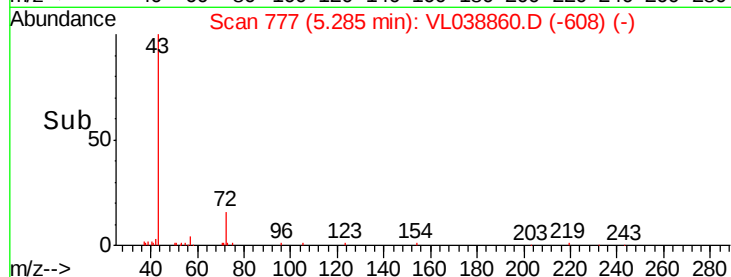
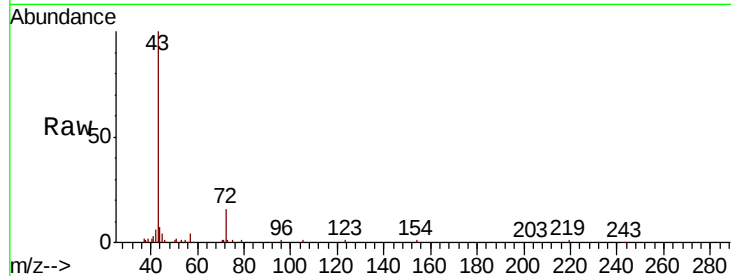


#34
2-Butanone
Concen: 0.772 ppbv m
RT: 5.29
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
43 100
72 22.

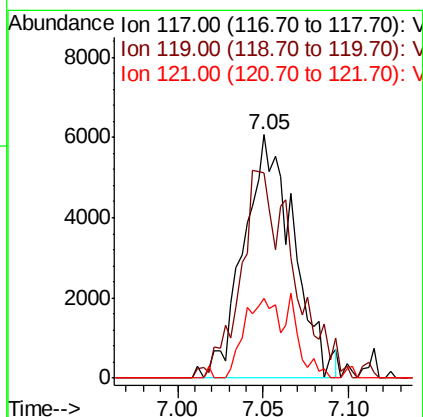
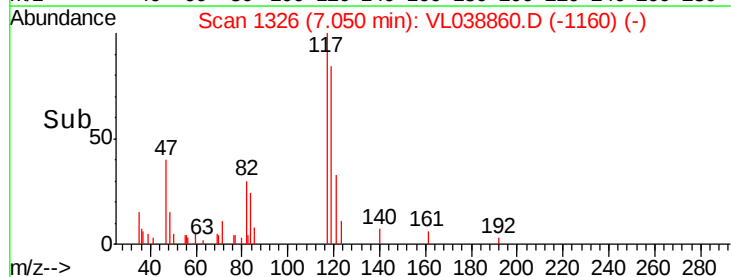
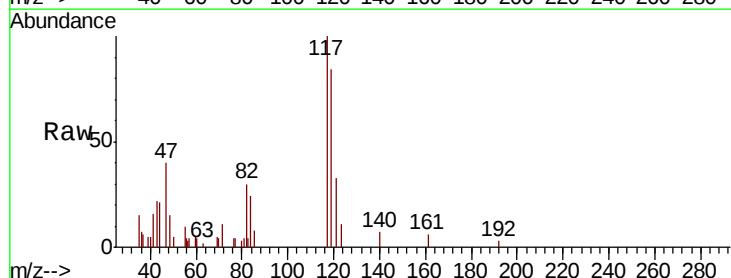
Manual Integrations
APPROVED

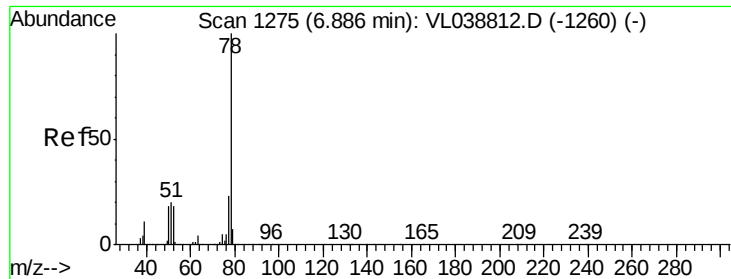
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 7.05 min Scan# 1326
Delta R.T. 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion:117 Resp: 12233
Ion Ratio Lower Upper
117 100
119 84.4 77.7 116.5
121 32.5 24.5 36.7



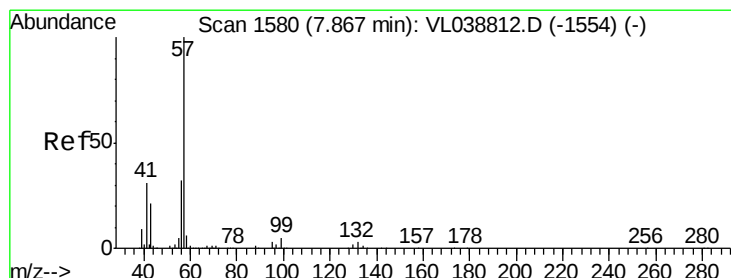
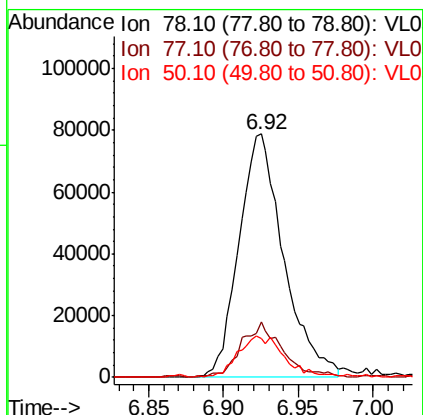
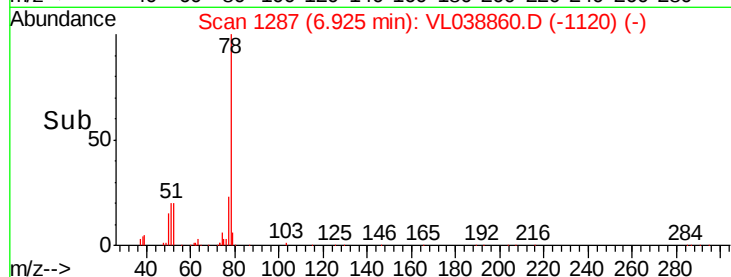
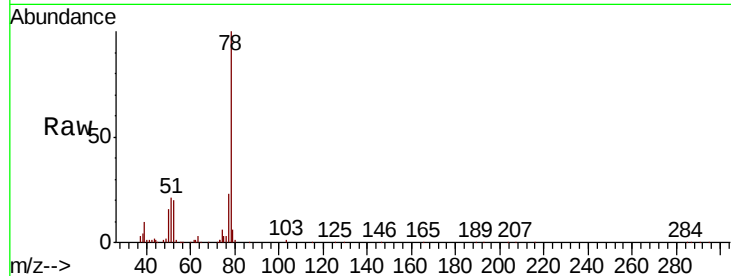


#36
Benzene
Concen: 0.639 ppbv
RT: 6.92
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
78 100
77 22.
50 15.

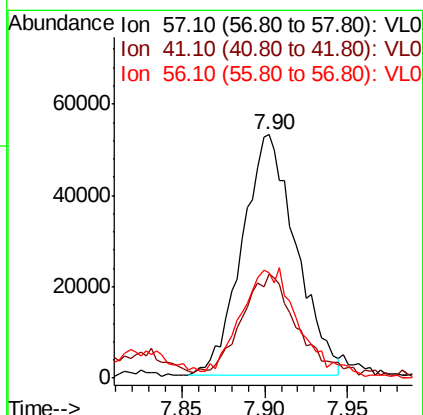
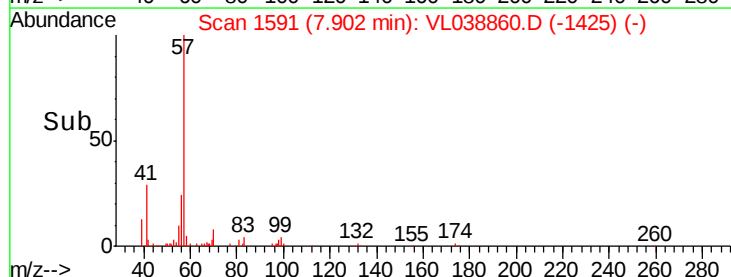
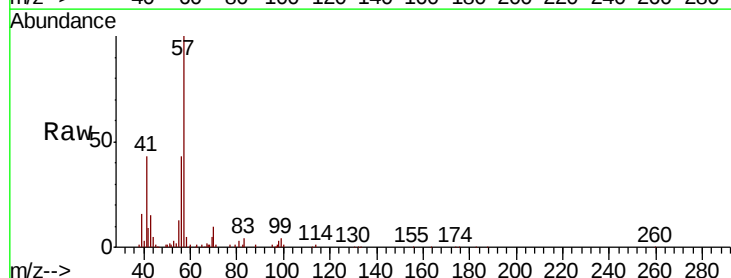
Manual Integrations
APPROVED

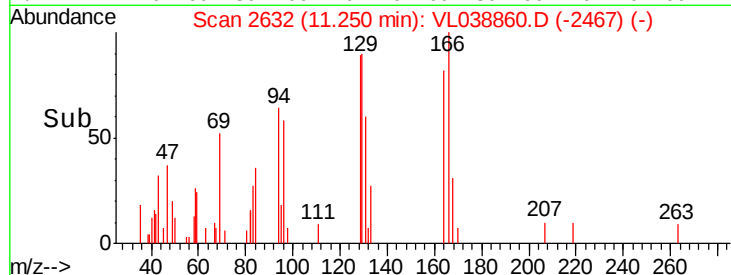
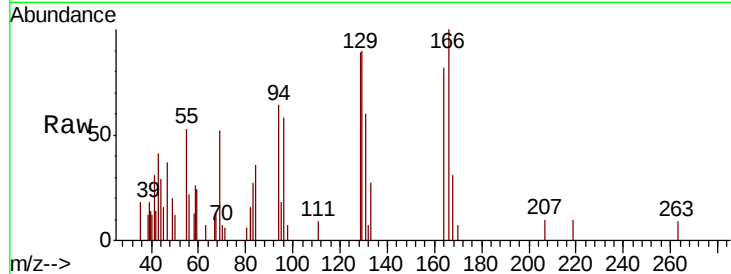
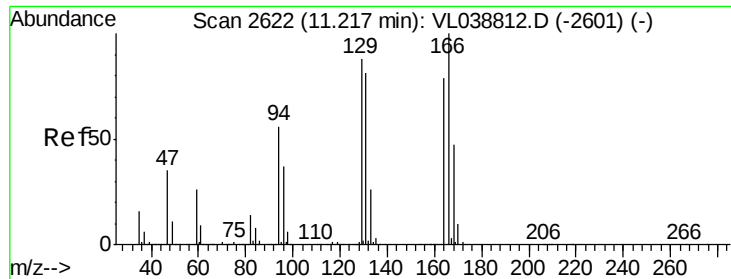
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#44
2,2,4-Trimethylpentane
Concen: 0.275 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 57 Resp: 119762
Ion Ratio Lower Upper
57 100
41 47.0 25.0 37.4#
56 50.7 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.048 ppbv m

RT: 11.25

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

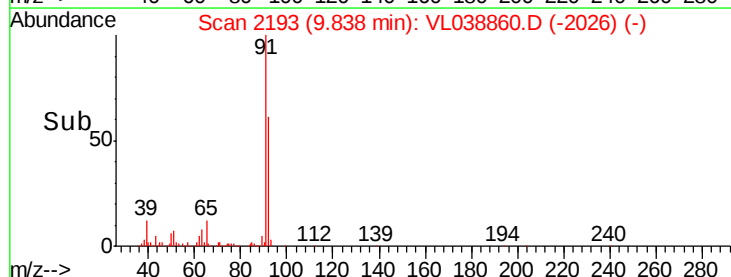
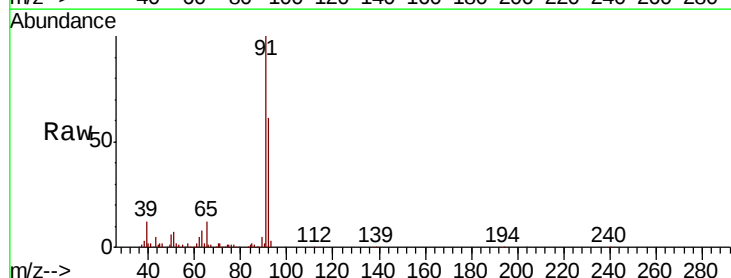
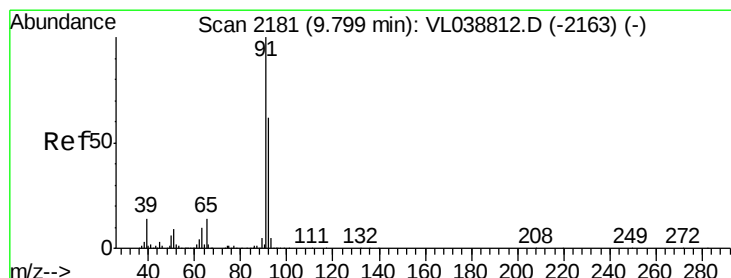
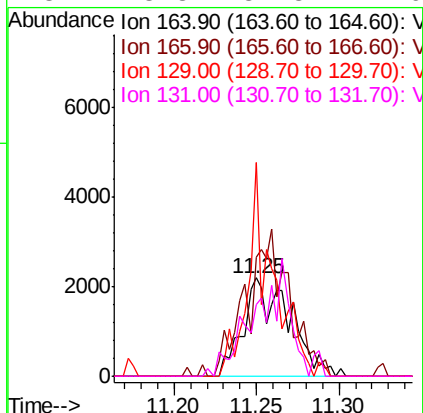
Acq: 8 Apr 2022 3:23

Manual Integrations

APPROVED

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

Tot Ion:1
Ion Rati
164 100
166 121.
129 109.
131 73.3 81.8 122.6#



#53

Toluene

Concen: 1.978 ppbv

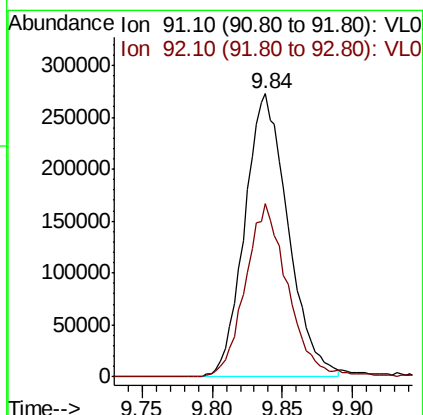
RT: 9.84 min Scan# 2193

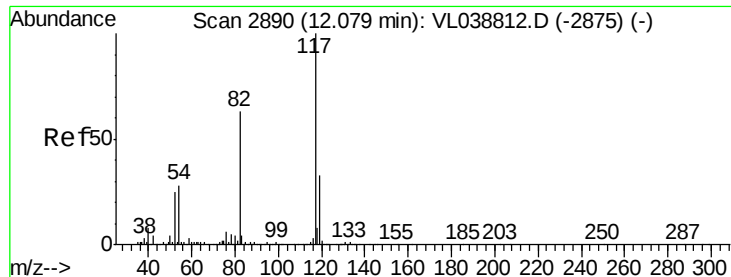
Delta R.T. 0.04 min

Lab File: VL038860.D

Acq: 8 Apr 2022 3:23

Tgt Ion: 91 Resp: 587287
Ion Ratio Lower Upper
91 100
92 59.8 49.2 73.8



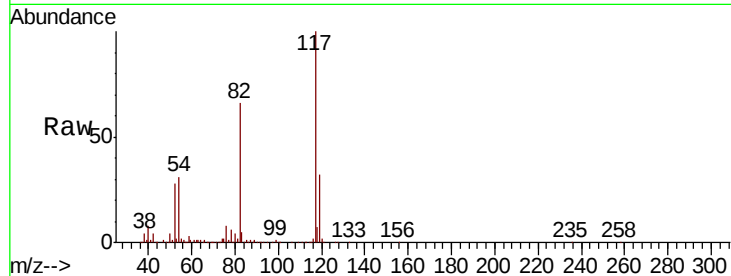


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId : 1161-8-01-SG-2
Acq: 8 Apr 2022 3:23

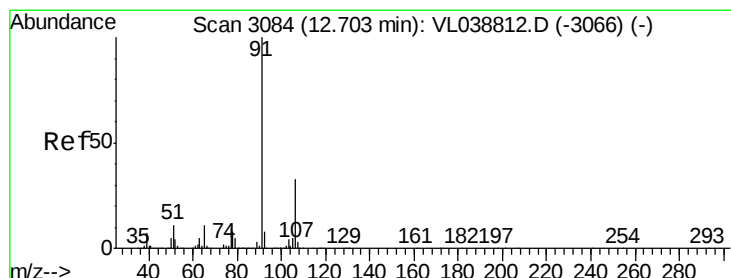
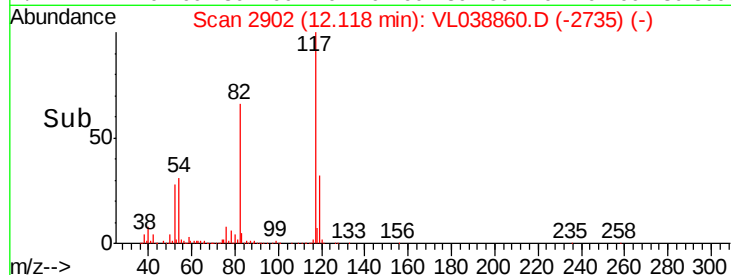
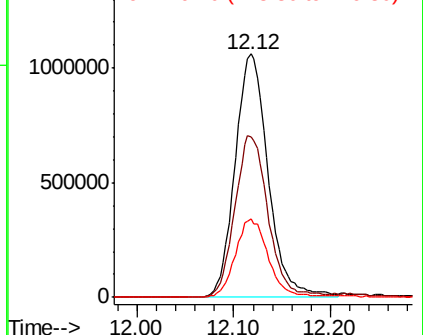
Tot Ion: 1
Ion Ratio
117 100
82 66.
119 32.

Manual Integrations
APPROVED

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

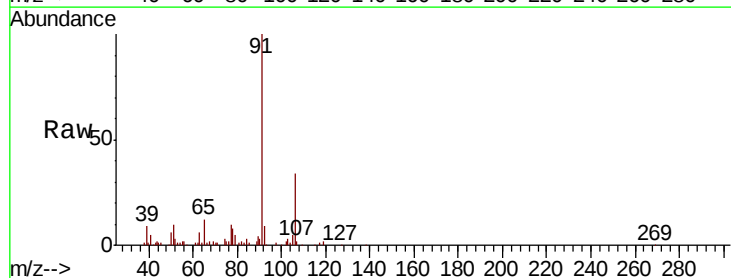


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

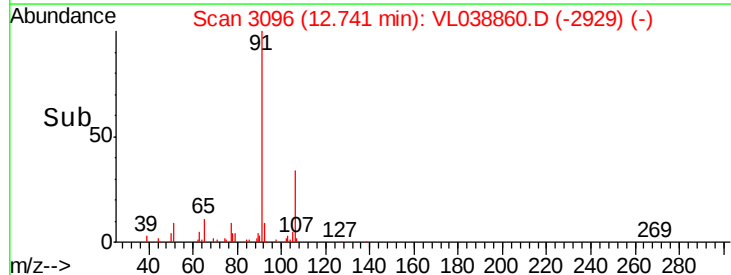
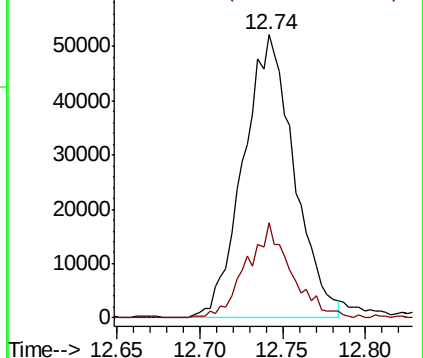


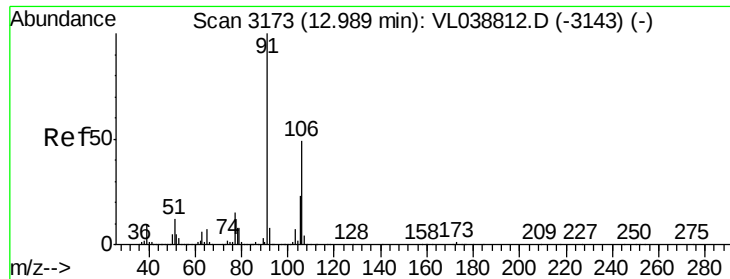
#58
Ethyl Benzene
Concen: 0.294 ppbv
RT: 12.74 min Scan# 3096
Delta R.T.: 0.04 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 91 Resp: 111199
Ion Ratio Lower Upper
91 100
106 33.6 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V



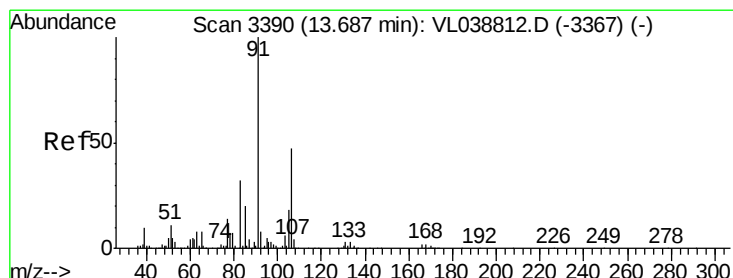
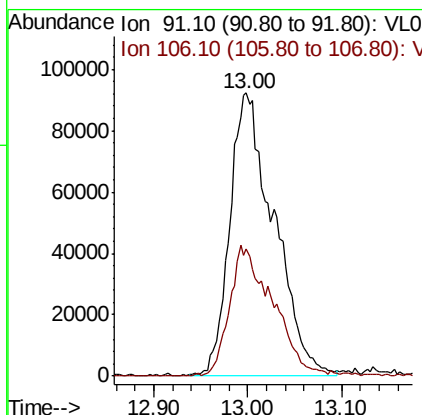
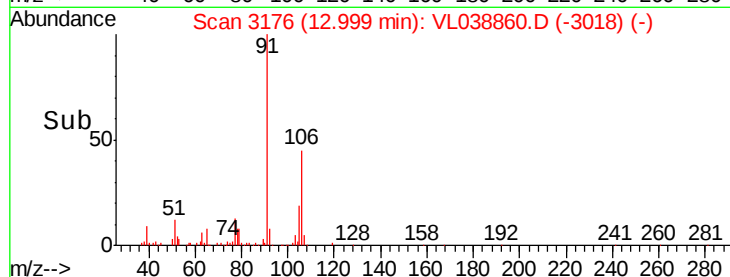
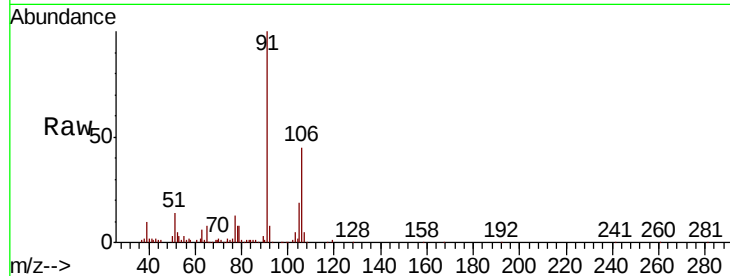


#59
m/p-Xylene
Concen: 0.954 ppbv m
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 8 Apr 2022 3:23

Tot Ion:
Ion Ratio
91 100
106 0.

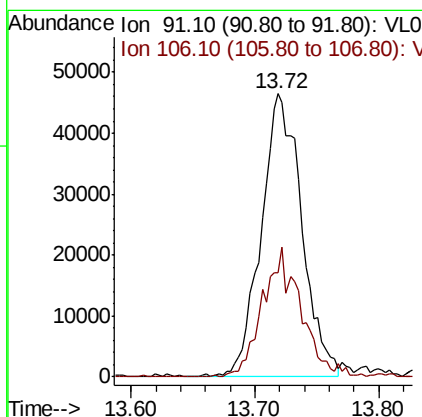
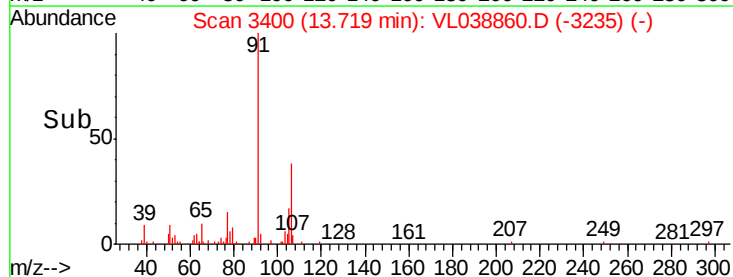
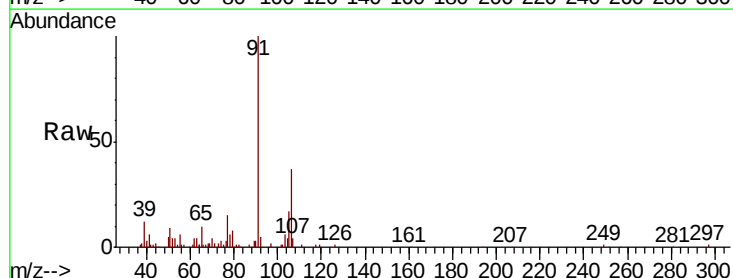
Manual Integrations
APPROVED

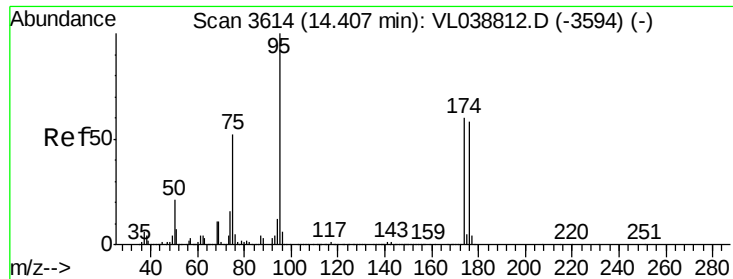
Reviewed By :Semsettin Yesilyurt 04/09/2022
Supervised By :Mahesh Dadoda 04/11/2022



#60
o-Xylene
Concen: 0.355 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. 0.03 min
Lab File: VL038860.D
Acq: 8 Apr 2022 3:23

Tgt Ion: 91 Resp: 105403
Ion Ratio Lower Upper
91 100
106 43.5 23.8 71.4



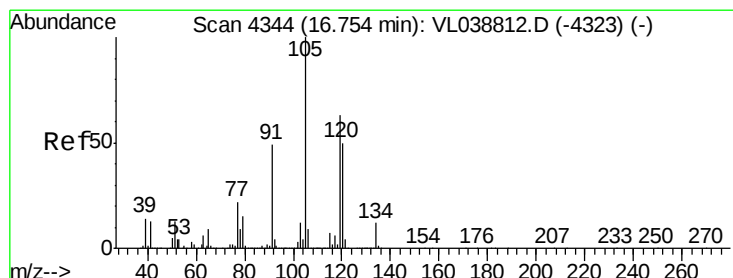
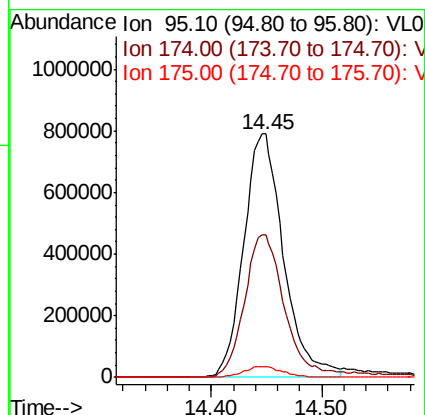
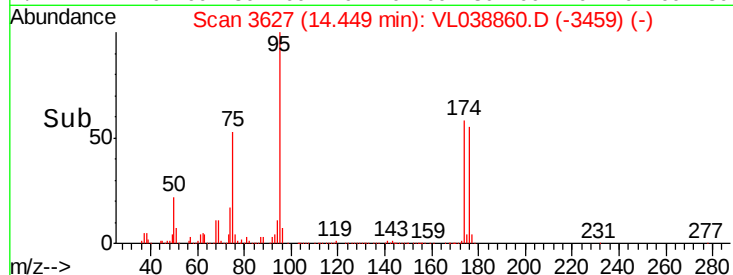
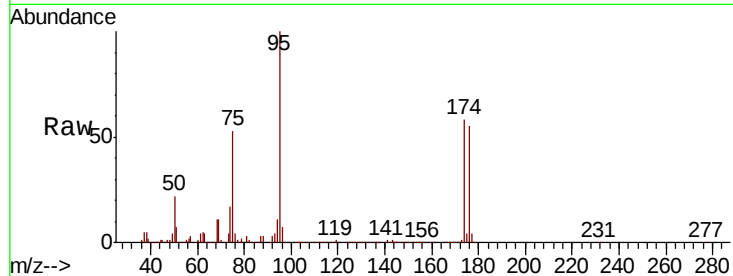


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.279 ppbv
 RT: 14.45 min
 Delta R.T.: 0.04 min
 Lab File: VL038860.D
 Acq: 8 Apr 2022 3:23

Tot Ion:
 Ion Ratio
 95 100
 174 61.1
 175 4.1

Manual Integrations
 APPROVED

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



#74
 1,2,4-Trimethylbenzene
 Concen: 0.238 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T.: 0.04 min
 Lab File: VL038860.D
 Acq: 8 Apr 2022 3:23

Tgt Ion:105 Resp: 80138
 Ion Ratio Lower Upper
 105 100
 120 44.1 39.8 59.8
 91 13.4 39.4 59.0#
 77 12.0 17.3 25.9#

