

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038970.D
 Acq On : 5 May 2022 13:20
 Operator : SY/AP
 Sample : N2682-02DL 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:10:12 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1286942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3009428	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2557190	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2062000	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	24697	0.122	ppbv #	87
3) Chlorodifluoromethane	2.99	51	201477m	1.262	ppbv	
4) Chloromethane	3.14	50	10735	0.134	ppbv	92
9) Propene	3.03	41	21000m	0.301	ppbv	
13) Ethanol	3.60	45	165722m	30.430	ppbv	
15) Acetone	3.85	43	317359	2.614	ppbv	99
17) tert-Butyl alcohol	4.29	59	24015m	0.257	ppbv	
19) Isopropyl Alcohol	3.96	45	743294	12.878	ppbv #	98
20) Methylene Chloride	4.34	84	416283	9.098	ppbv	99
26) Hexane	5.68	57	533010	4.129	ppbv #	40
34) 2-Butanone	5.24	43	36292m	0.236	ppbv	
35) Carbon Tetrachloride	7.01	117	6523m	0.033	ppbv	
36) Benzene	6.88	78	33487	0.130	ppbv	98
43) Methyl Methacrylate	8.01	69	141022	1.349	ppbv	91
53) Toluene	9.79	91	69092	0.239	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	49231m	0.148	ppbv	

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

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Operator : SY/AP
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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
2DL

Manual Integrations
APPROVED

Quant Time: May 06 08:10:12 2022

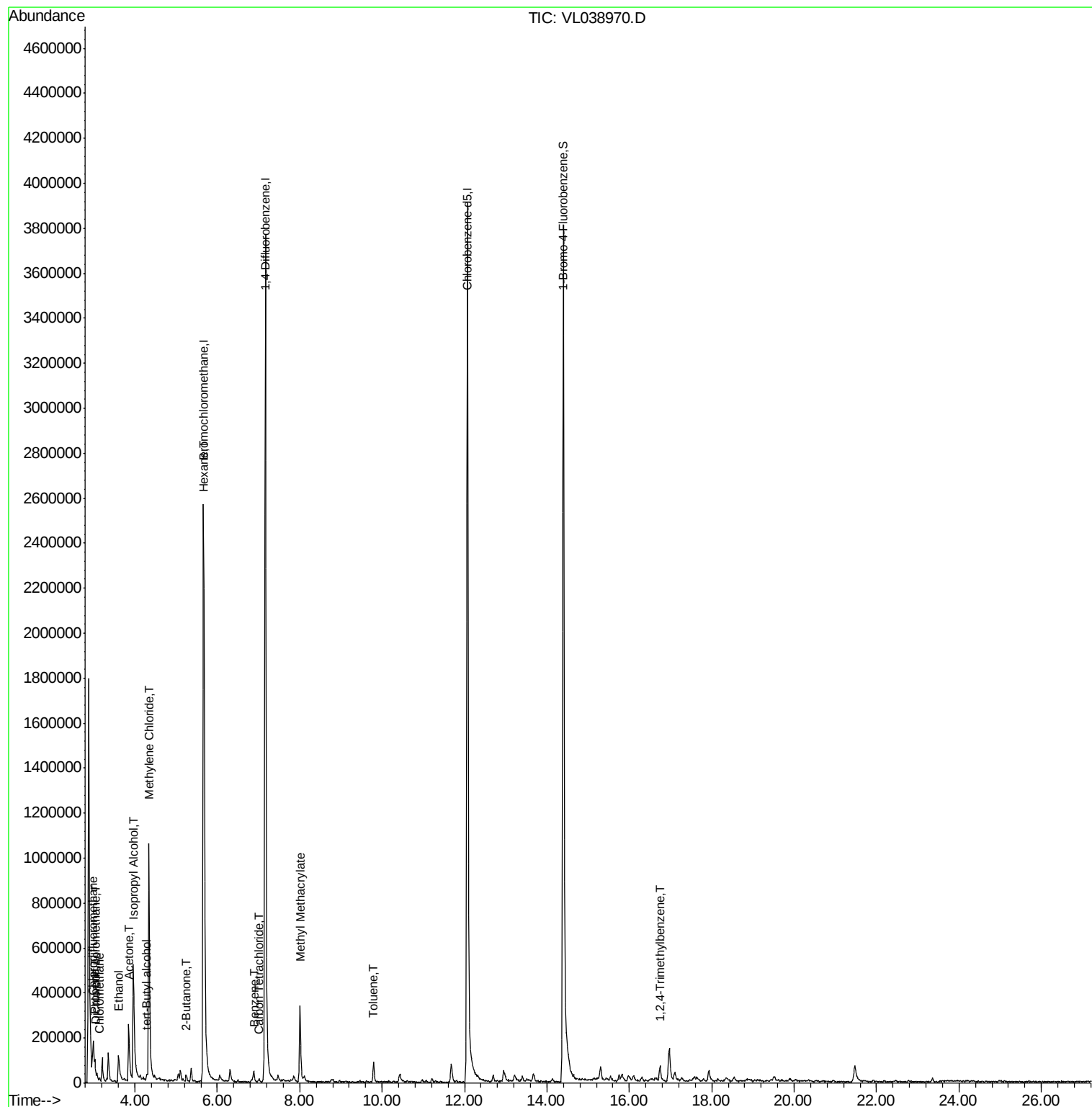
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Thu May 05 07:41:27 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:20

Tot Ion:

Ion Ratio

49 100

128 45.

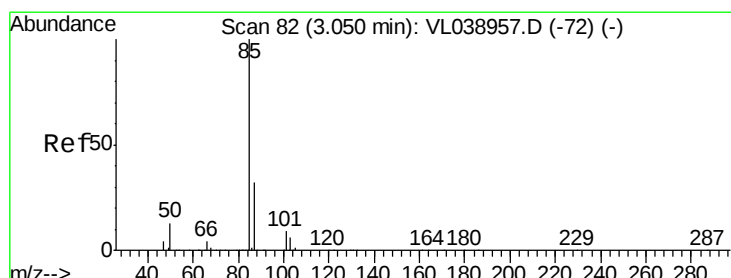
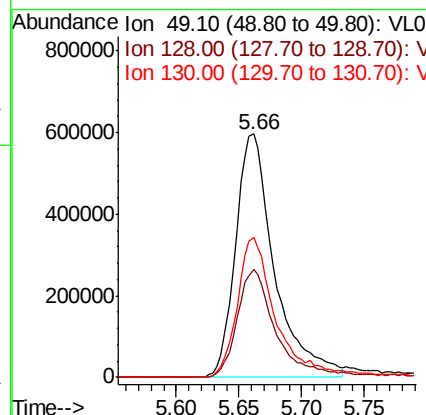
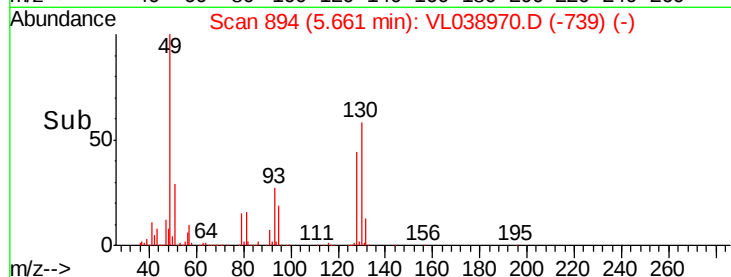
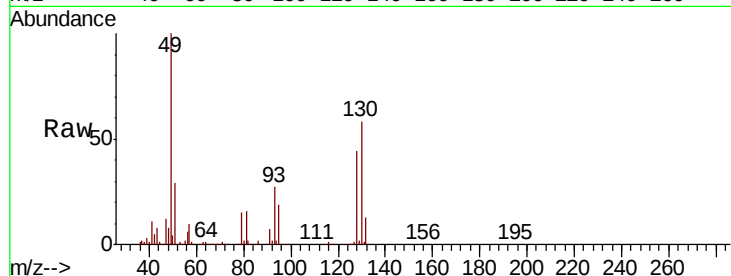
130 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.122 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038970.D

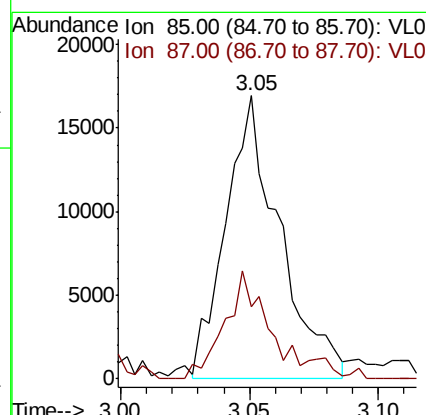
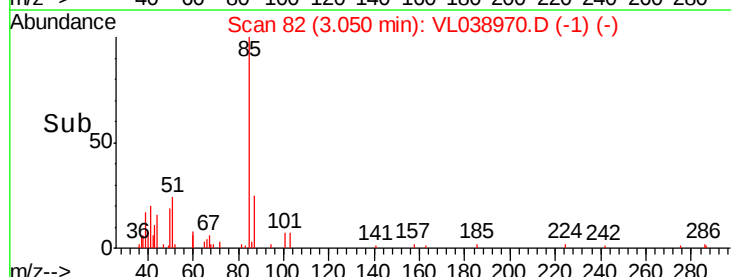
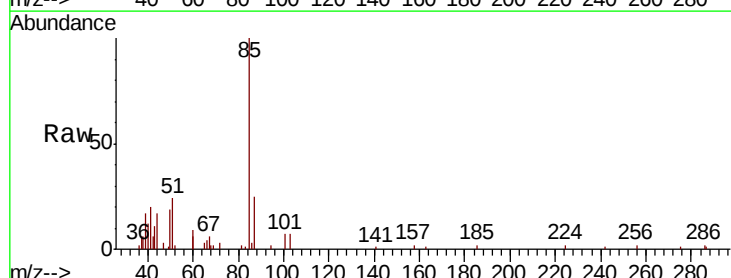
Acq: 5 May 2022 13:20

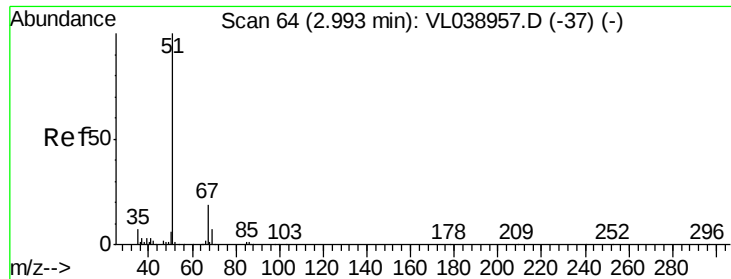
Tgt Ion: 85 Resp: 24697

Ion Ratio Lower Upper

85 100

87 24.7 25.7 38.5#





#3

Chlorodifluoromethane

Concen: 1.262 ppbv m

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:20

Tot Ion:

Ion Ratio

51 100

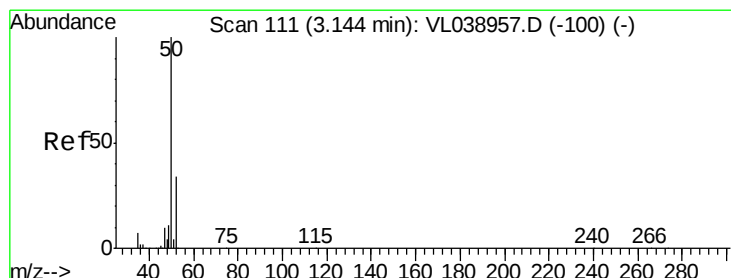
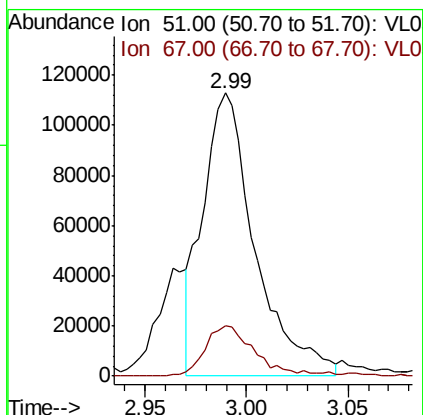
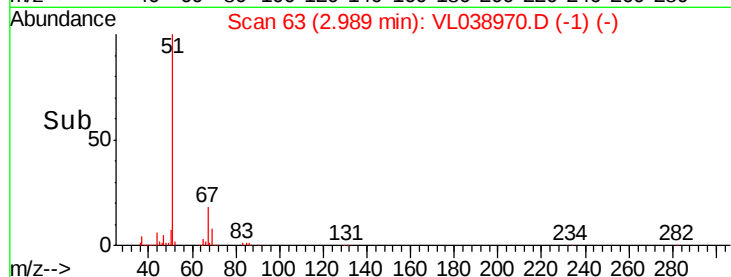
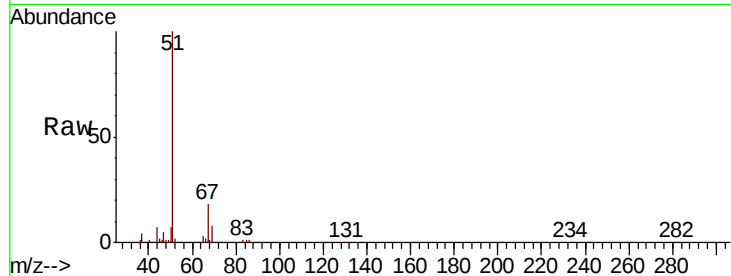
67 17.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#4

Chloromethane

Concen: 0.134 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038970.D

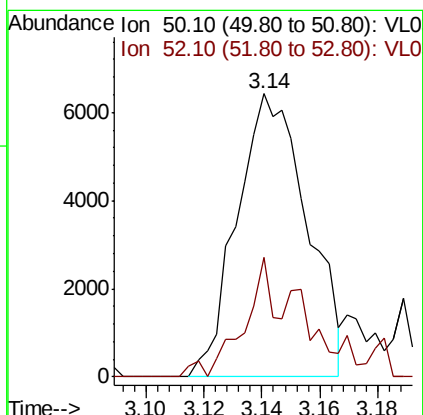
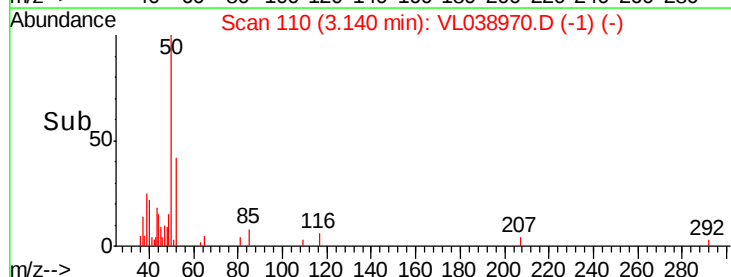
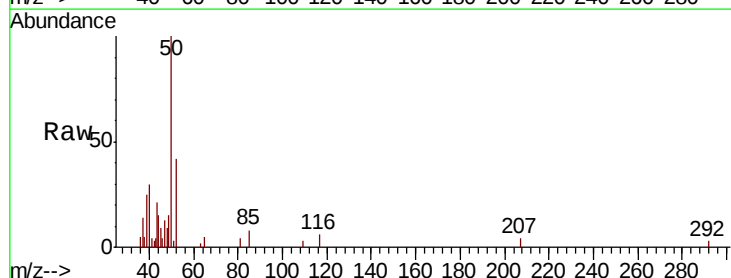
Acq: 5 May 2022 13:20

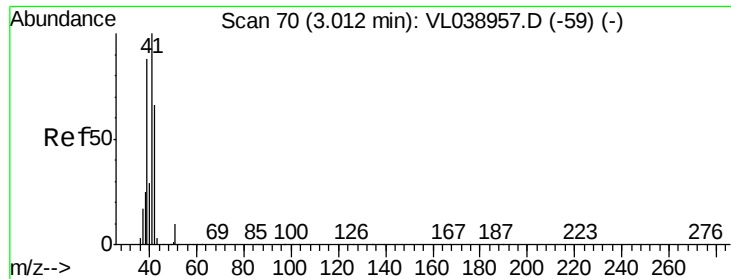
Tgt Ion: 50 Resp: 10735

Ion Ratio Lower Upper

50 100

52 38.9 27.3 40.9



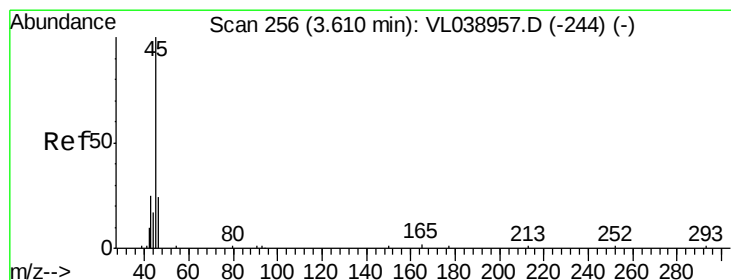
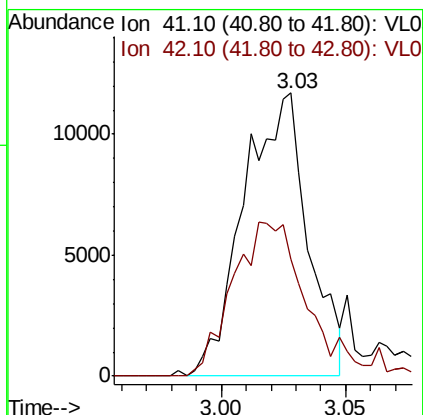
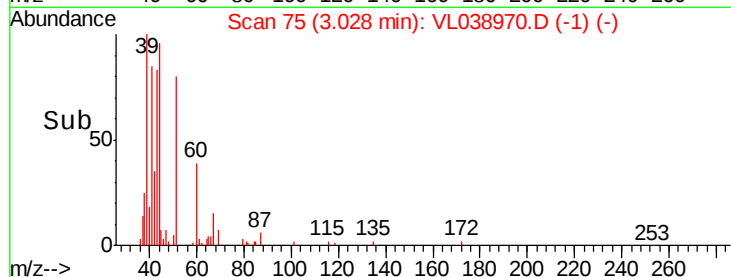
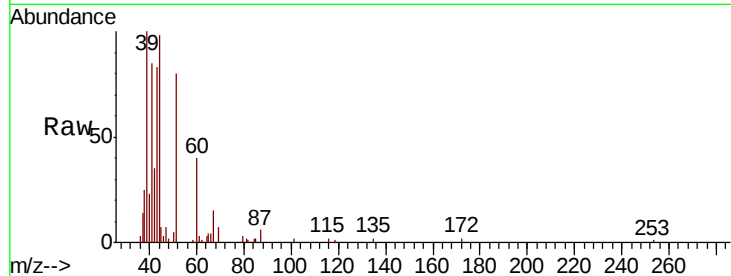


#9
 Propene
 Concen: 0.301 ppbv m
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 13:20

Tot Ion:
 Ion Ratio
 41 100
 42 67.

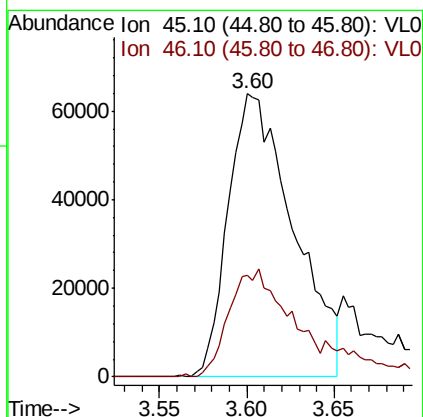
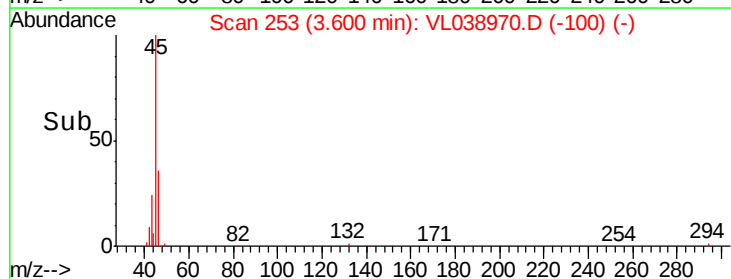
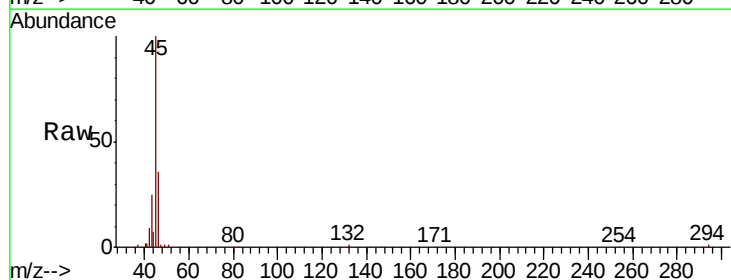
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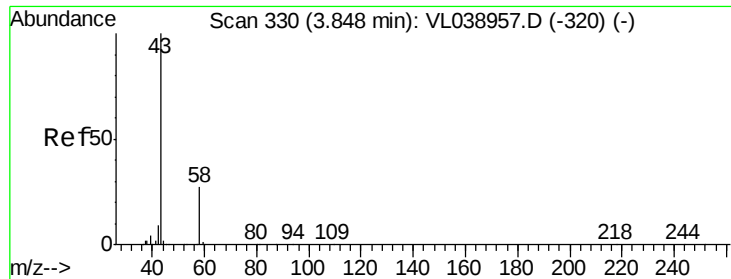
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#13
 Ethanol
 Concen: 30.430 ppbv m
 RT: 3.60 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VL038970.D
 Acq: 5 May 2022 13:20

Tgt Ion: 45 Resp: 165722
 Ion Ratio Lower Upper
 45 100
 46 47.0 18.0 72.2





#15

Acetone

Concen: 2.614 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:20

Tot Ion:

Ion Ratio

43 100

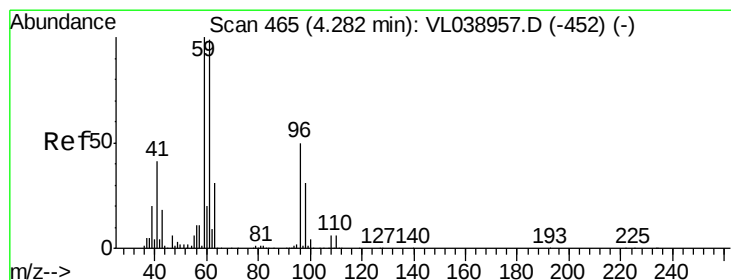
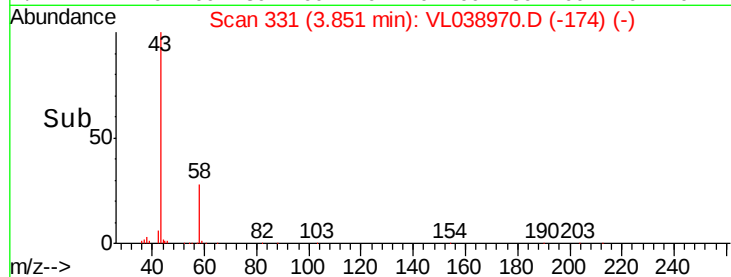
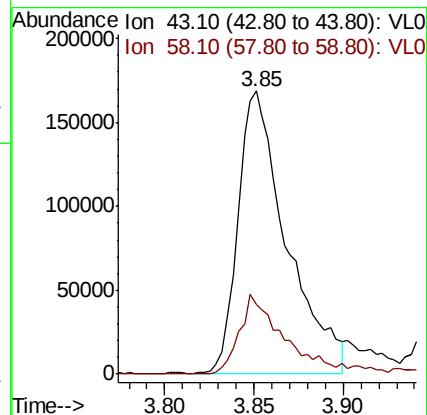
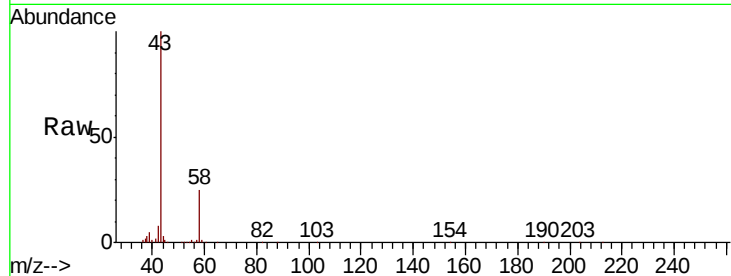
58 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#17

tert-Butyl alcohol

Concen: 0.257 ppbv m

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL038970.D

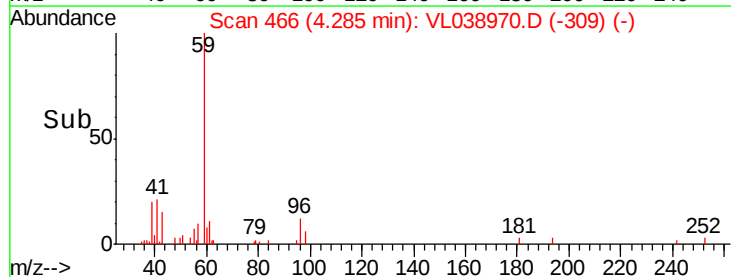
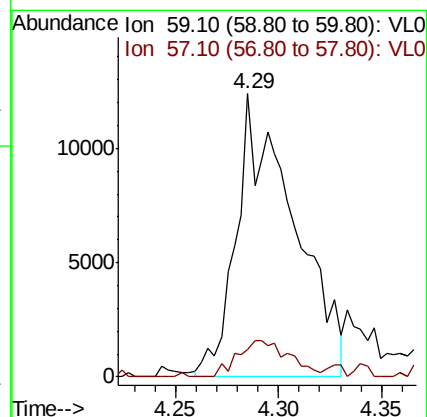
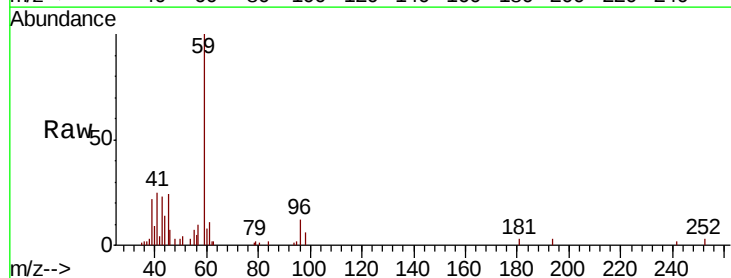
Acq: 5 May 2022 13:20

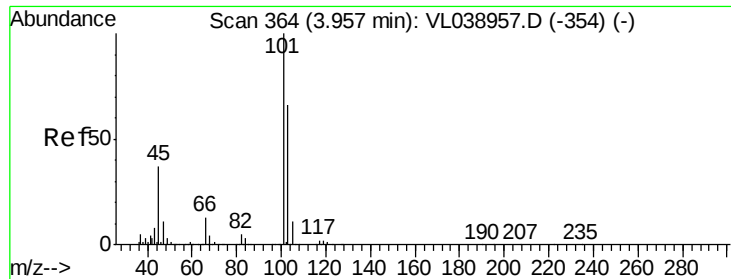
Tgt Ion: 59 Resp: 24015

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#





#19

Isopropyl Alcohol

Concen: 12.878 ppbv

RT: 3.96 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:20

Tot Ion:

Ion Ratio

45 100

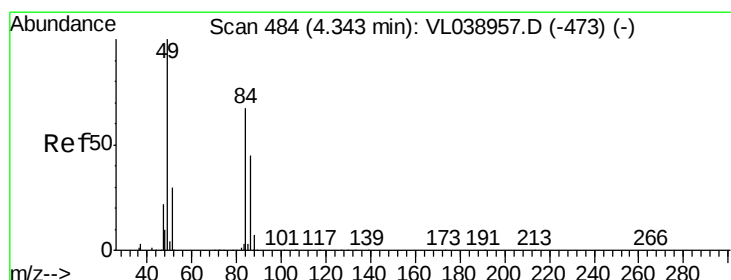
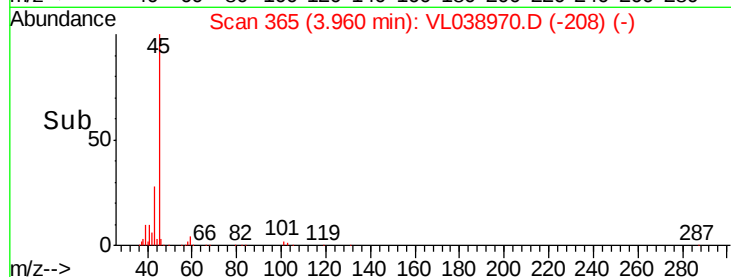
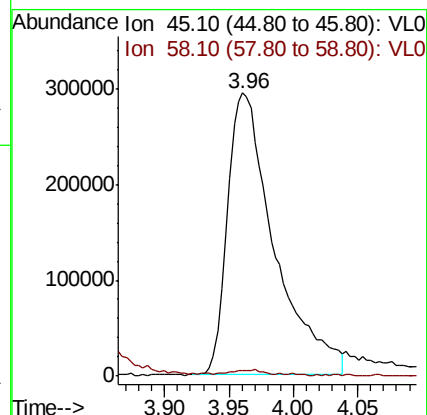
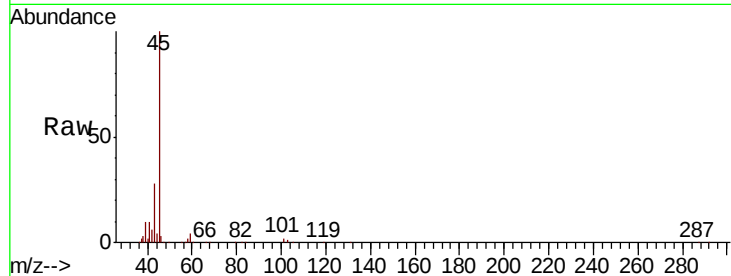
58 2.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#20

Methylene Chloride

Concen: 9.098 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038970.D

Acq: 5 May 2022 13:20

Tgt Ion: 84 Resp: 416283

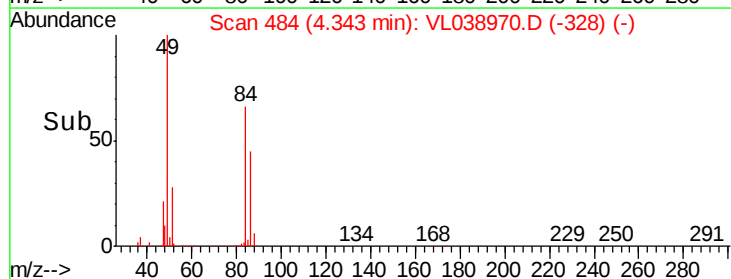
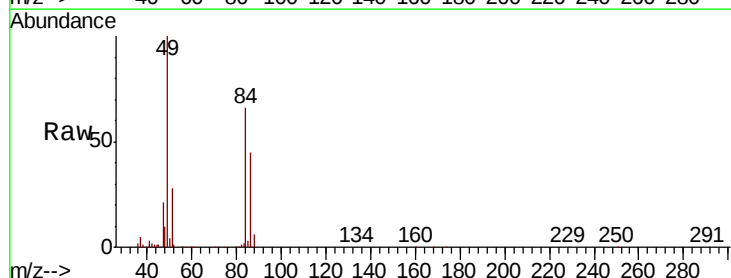
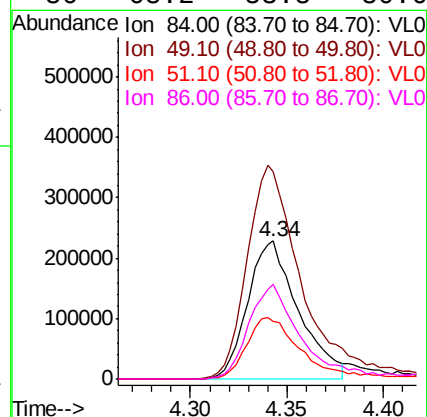
Ion Ratio Lower Upper

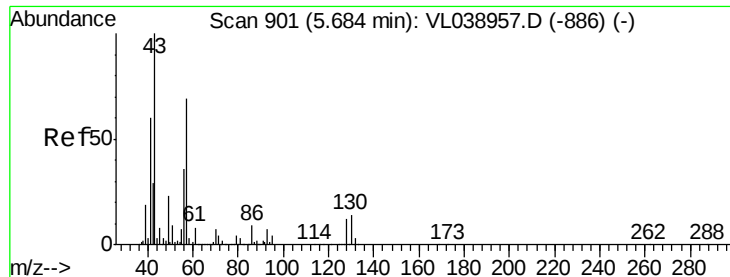
84 100

49 150.4 119.9 179.9

51 41.9 35.7 53.5

86 68.2 53.8 80.6





#26

Hexane

Concen: 4.129 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 13:20

Tot Ion:

Ion Ratio

57 100

41 92.

43 75.

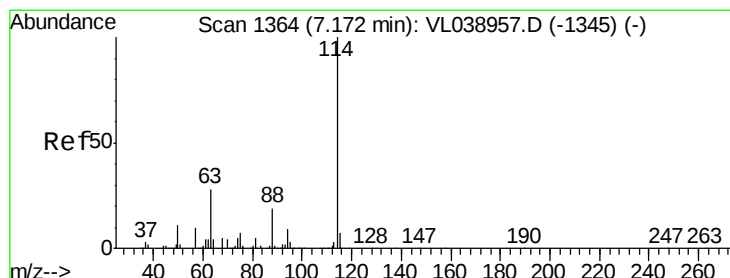
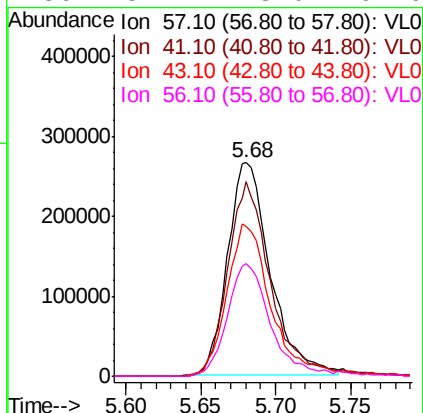
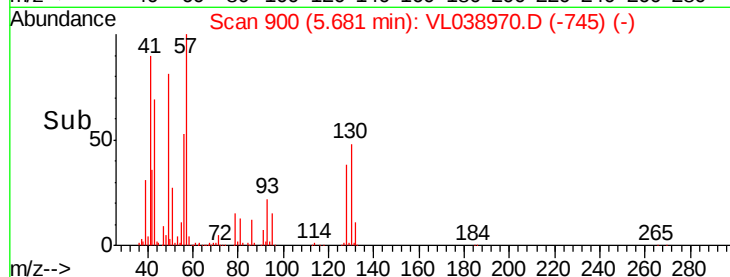
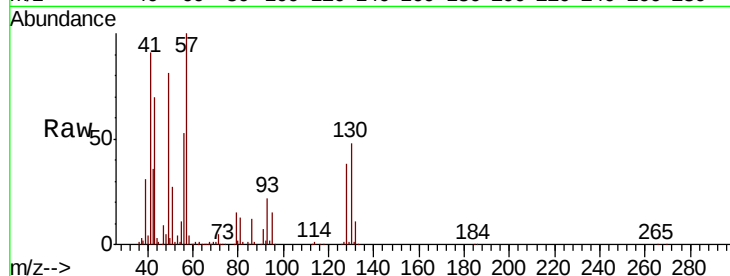
56 54.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VL038970.D

Acq: 5 May 2022 13:20

Tgt Ion:114 Resp: 3009428

Ion Ratio Lower Upper

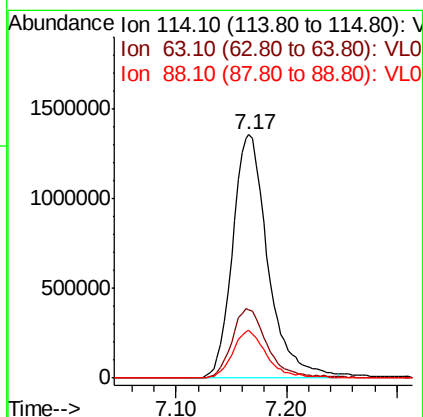
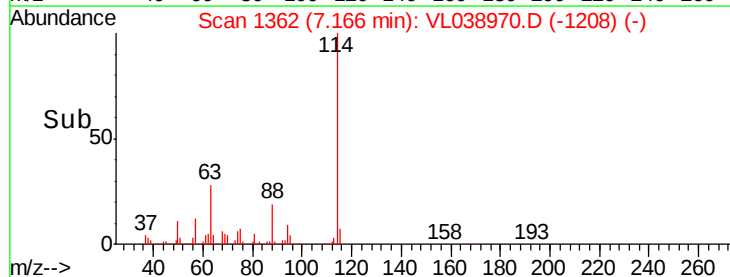
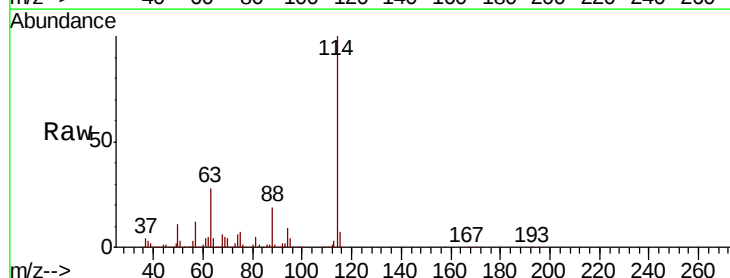
114 100

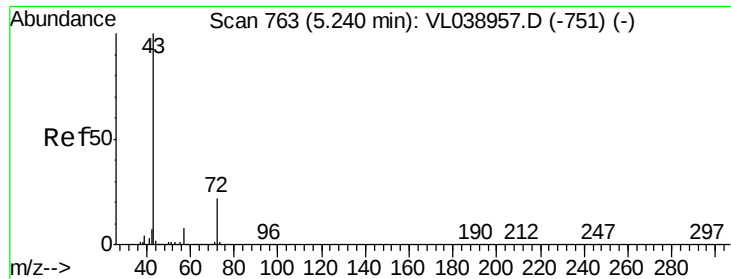
63 29.0

88 19.3

22.6 33.8

15.4 23.0



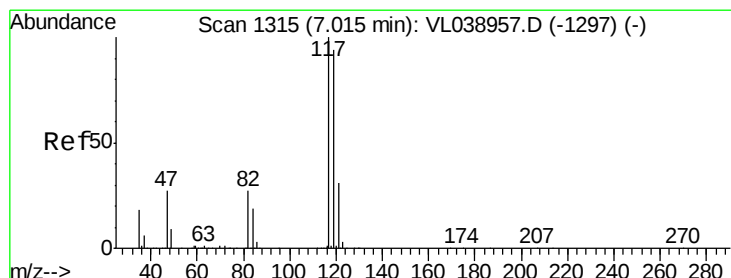
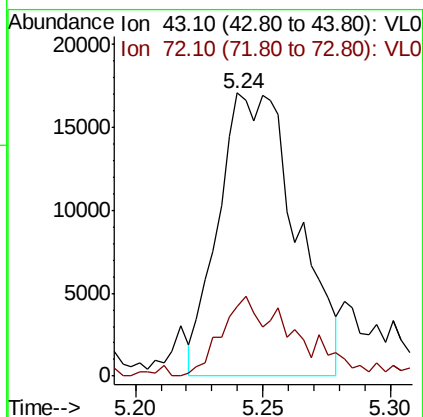
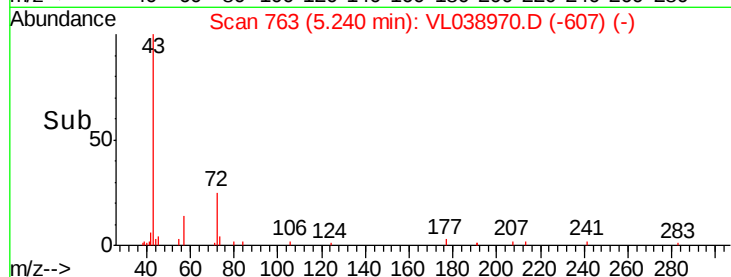
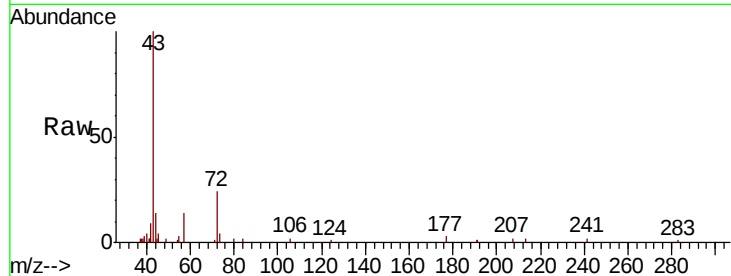


#34
2-Butanone
Concen: 0.236 ppbv m
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 5 May 2022 13:20

Tot Ion:
Ion Ratio
43 100
72 29.

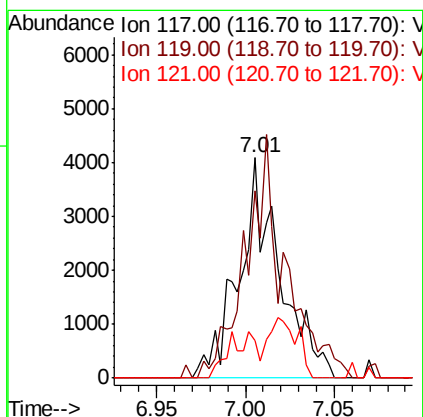
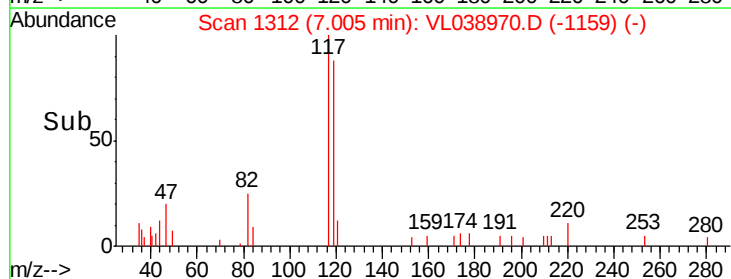
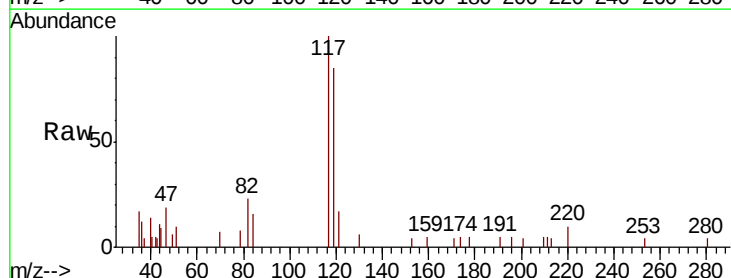
Manual Integrations
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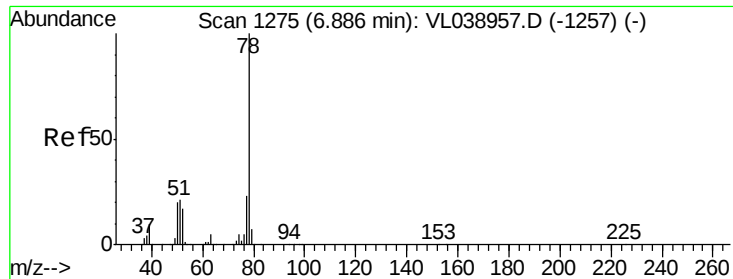
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion:117 Resp: 6523
Ion Ratio Lower Upper
117 100
119 84.8 75.2 112.8
121 16.8 24.6 37.0#



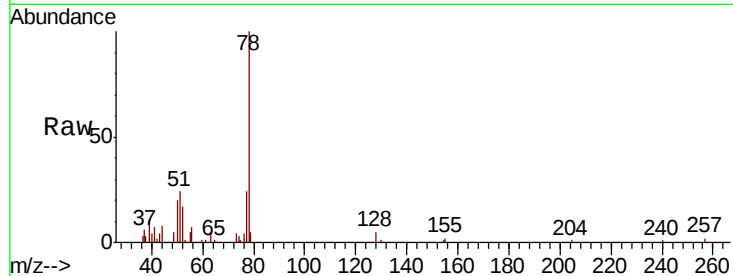


#36
Benzene
Concen: 0.130 ppbv
RT: 6.88
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 13:20

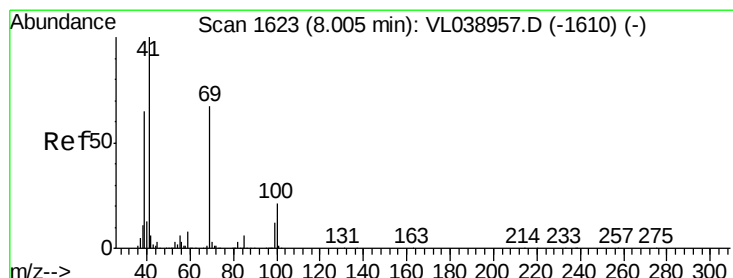
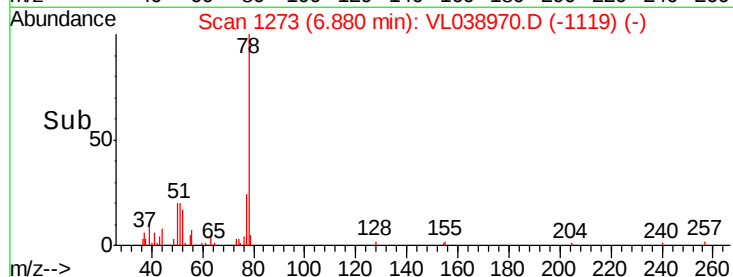
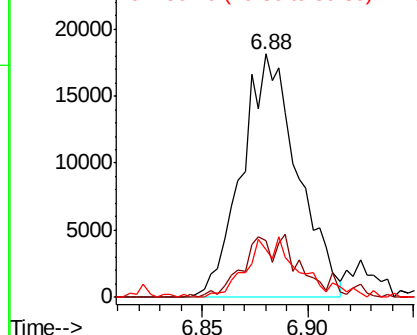
Tot Ion:
Ion Ratio
78 100
77 22.
50 19.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022

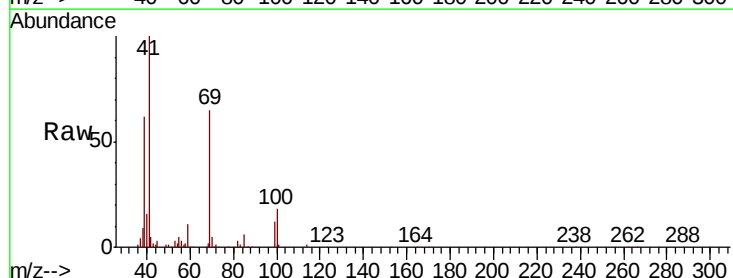


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

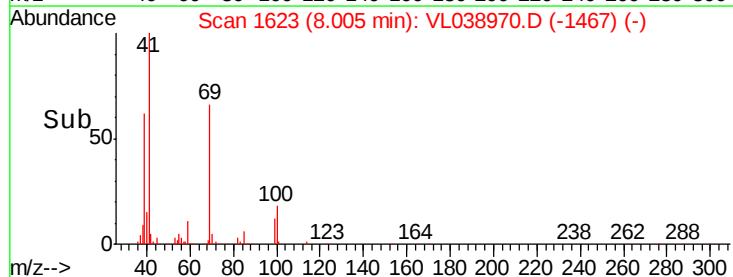
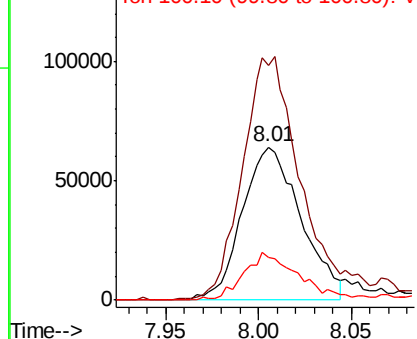


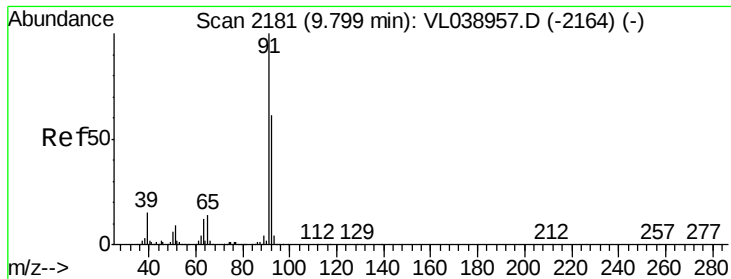
#43
Methyl Methacrylate
Concen: 1.349 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.00 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion: 69 Resp: 141022
Ion Ratio Lower Upper
69 100
41 165.6 121.9 182.9
100 31.3 24.6 36.8



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



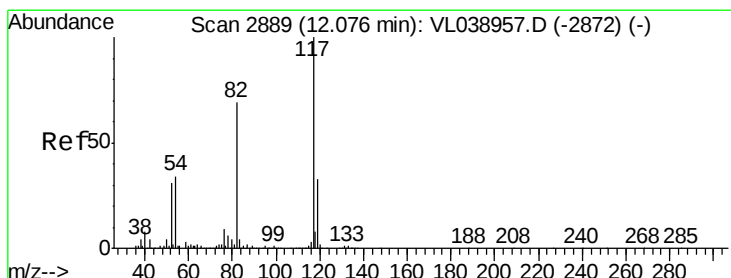
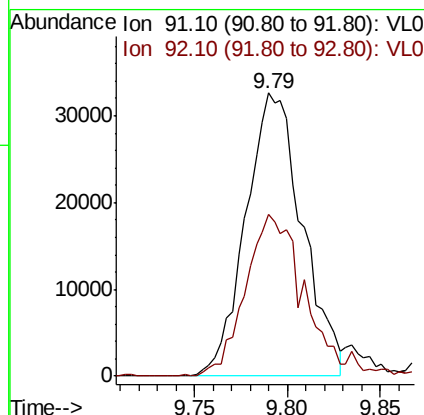
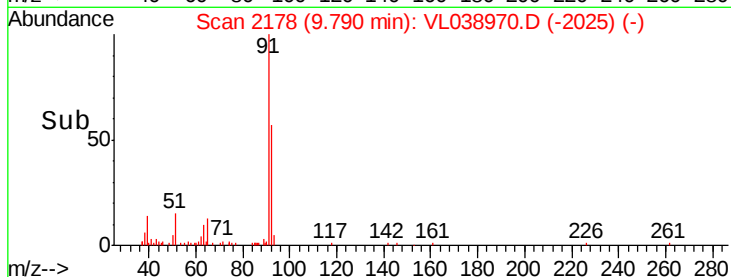
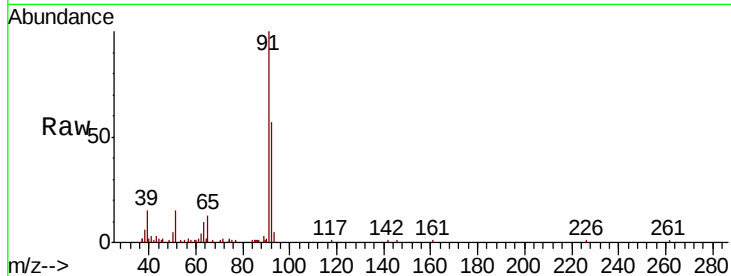


#53
Toluene
Concen: 0.239 ppbv
RT: 9.79
Delta R.T.: MSVOA_L
Lab File: ClientSampled:
Acq: 5 May 2022 13:20

Tot Ion:
Ion Ratio
91 100
92 61.

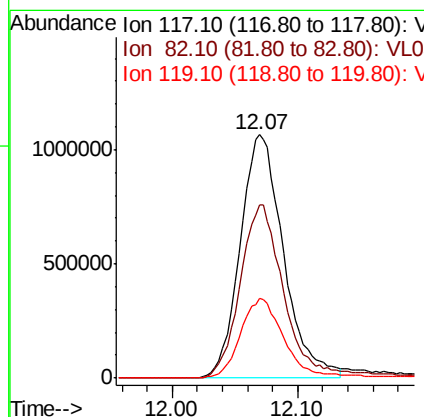
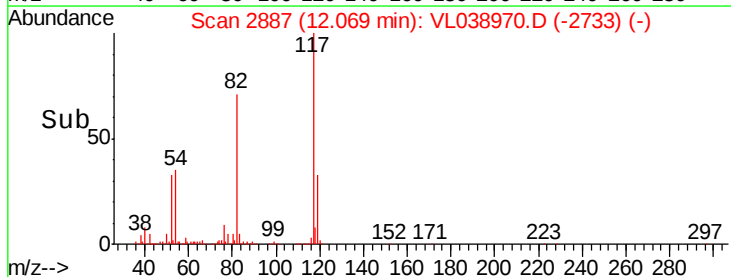
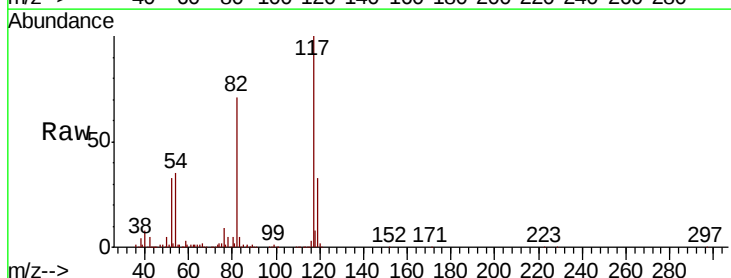
Manual Integrations
APPROVED

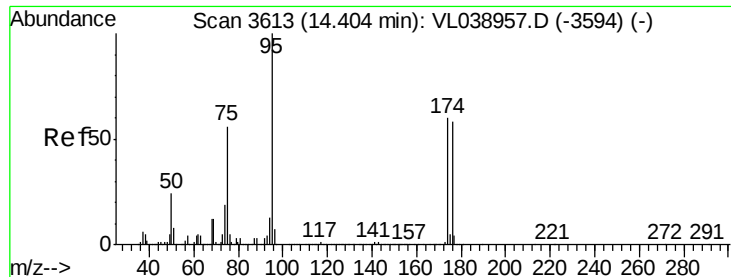
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T.: -0.01 min
Lab File: VL038970.D
Acq: 5 May 2022 13:20

Tgt Ion:117 Resp: 2557190
Ion Ratio Lower Upper
117 100
82 75.9 57.0 85.6
119 34.1 27.2 40.8



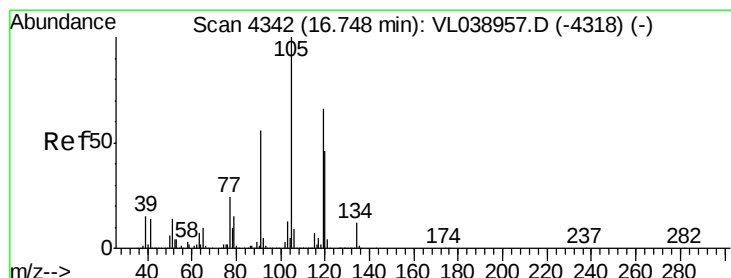
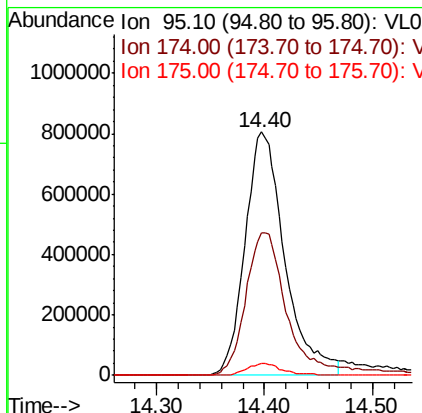
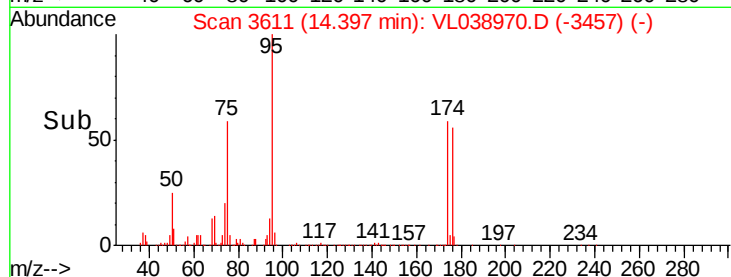
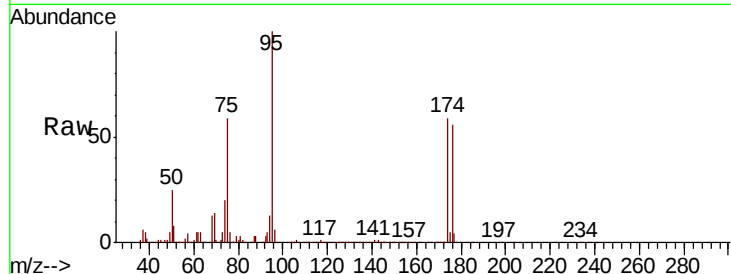


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.182 ppbv
 RT: 14.40 min
 Delta R.T.: 0.00 min
 Lab File: VL038957.D
 Acq: 5 May 2022 13:20

Tot Ion:
 Ion Ratio
 95 100
 174 64.1
 175 4.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.148 ppbv m
 RT: 16.74 min Scan# 4341
 Delta R.T.: -0.00 min
 Lab File: VL038970.D
 Acq: 5 May 2022 13:20

Tgt Ion:105 Resp: 49231
 Ion Ratio Lower Upper
 105 100
 120 29.1 36.9 55.3#
 91 18.8 45.0 67.4#
 77 15.5 19.2 28.8#

