

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038504.D
 Acq On : 3 Mar 2022 5:17
 Operator : SY/AP
 Sample : N1754-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 03 07:03:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	870433	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	1901350	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1689781	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1411743	10.10	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	79809	0.579 ppbv	99
3) Chlorodifluoromethane	3.00	51	32873	0.214 ppbv	94
4) Chloromethane	3.14	50	26558	0.497 ppbv #	75
9) Propene	3.03	41	27294	0.538 ppbv	96
11) Trichlorofluoromethane	3.96	101	28939	0.219 ppbv	87
13) Ethanol	3.61	45	47566m	9.392 ppbv	
15) Acetone	3.87	43	266418	3.599 ppbv	99
19) Isopropyl Alcohol	3.98	45	297696	6.945 ppbv #	96
20) Methylene Chloride	4.36	84	103124	2.812 ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	10815	0.252 ppbv	85
26) Hexane	5.70	57	63497	0.705 ppbv #	45
34) 2-Butanone	5.27	43	22129	0.370 ppbv	91
35) Carbon Tetrachloride	7.03	117	8087m	0.060 ppbv	
36) Benzene	6.90	78	34072m	0.204 ppbv	
53) Toluene	9.82	91	43466	0.239 ppbv	95

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

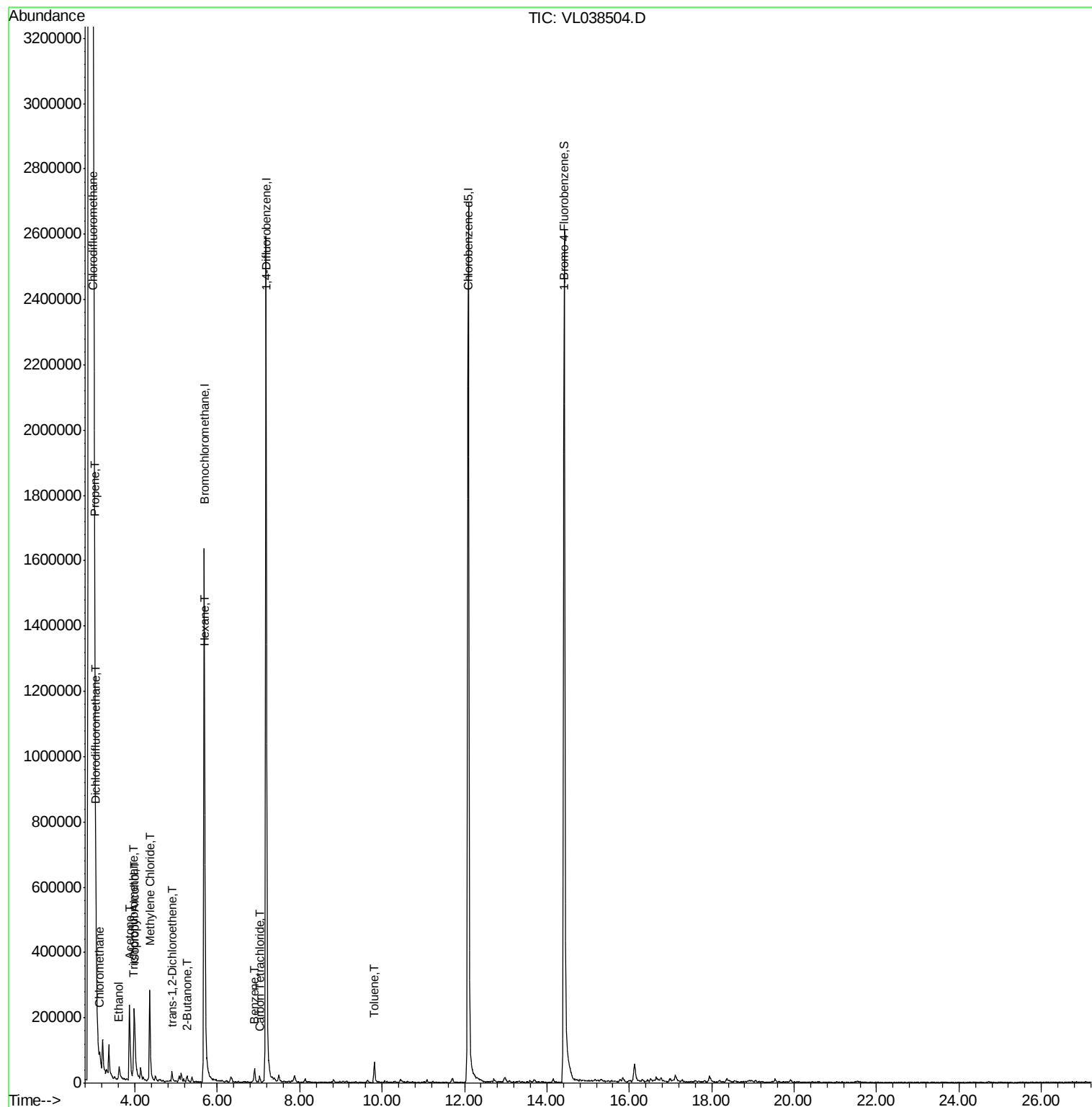
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
Data File : VL038504.D
Acq On : 3 Mar 2022 5:17
Operator : SY/AP
Sample : N1754-03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

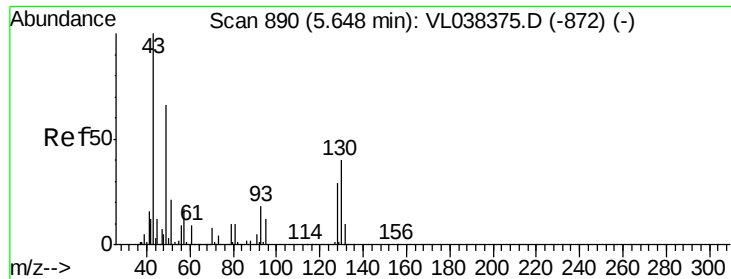
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Mar 03 07:03:05 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.01

Lab File: ClientSampleId: OA1

Acq: 3 Mar 2022 5:17

Tot Ion:

Ion Ratio

49 100

128 44.

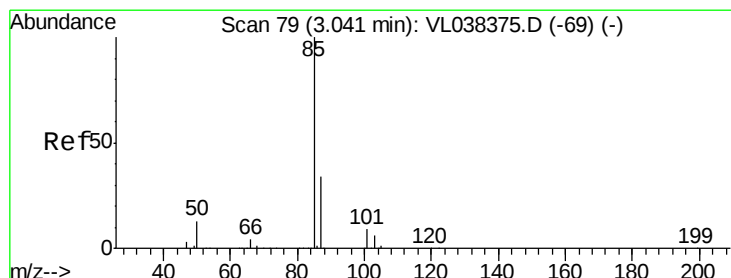
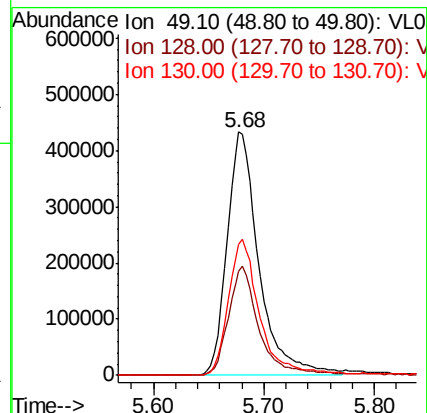
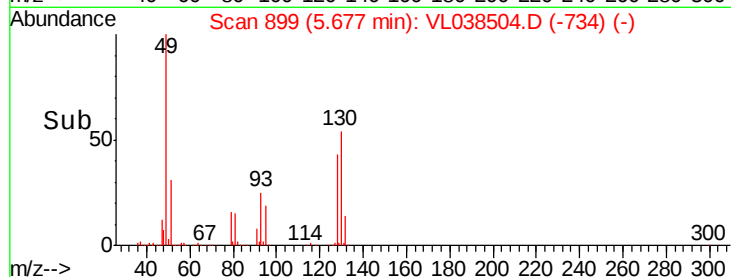
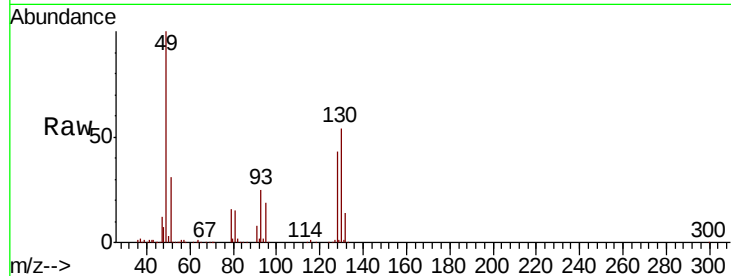
130 55.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#2

Dichlorodifluoromethane

Concen: 0.579 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038504.D

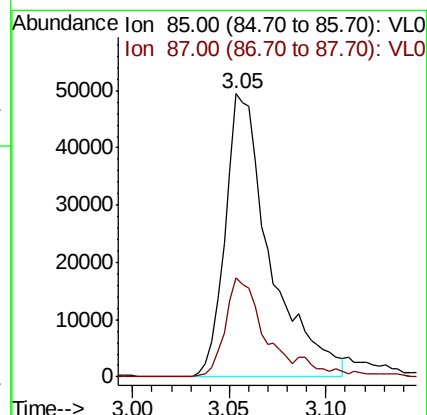
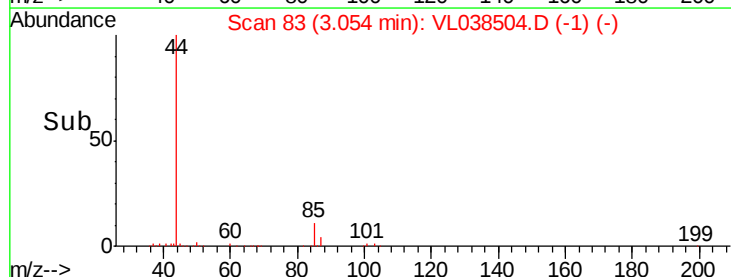
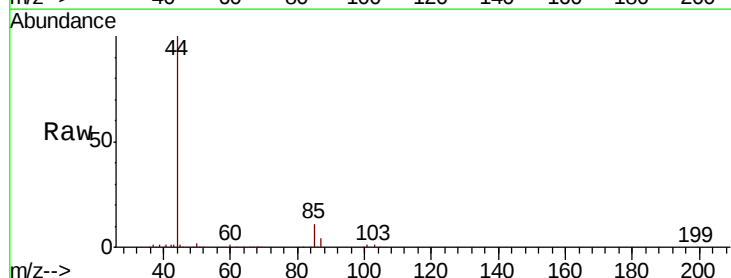
Acq: 3 Mar 2022 5:17

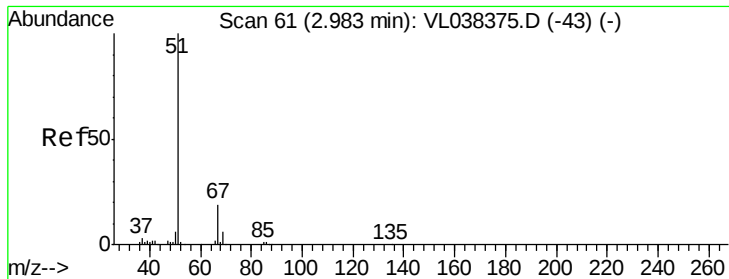
Tgt Ion: 85 Resp: 79809

Ion Ratio Lower Upper

85 100

87 34.9 27.4 41.0





#3

Chlorodifluoromethane

Concen: 0.214 ppbv

RT: 3.00 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 5:17

Tot Ion:

Ion Ratio

51 100

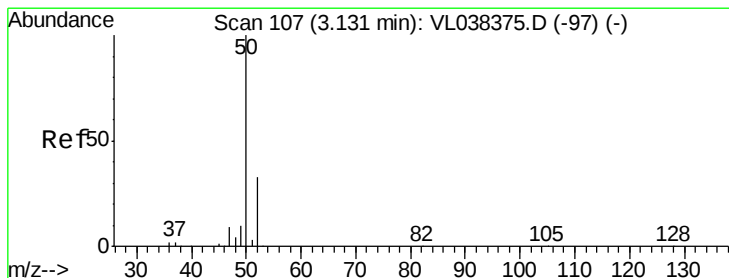
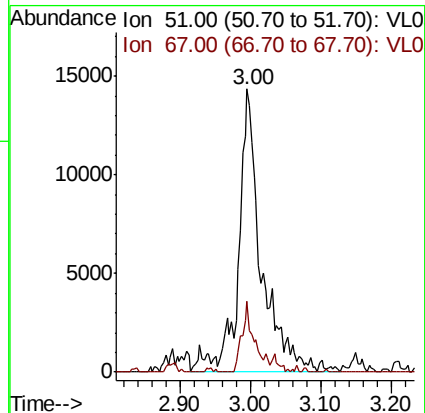
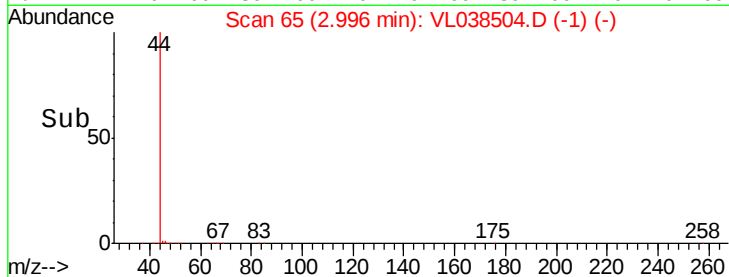
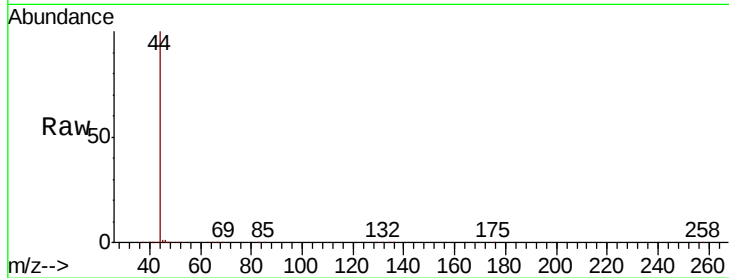
67 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#4

Chloromethane

Concen: 0.497 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038504.D

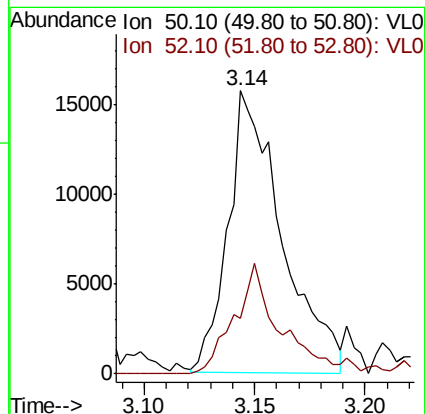
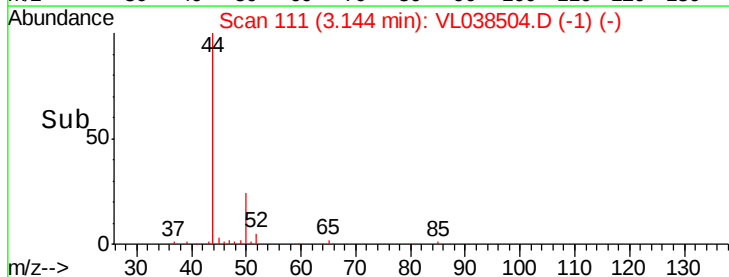
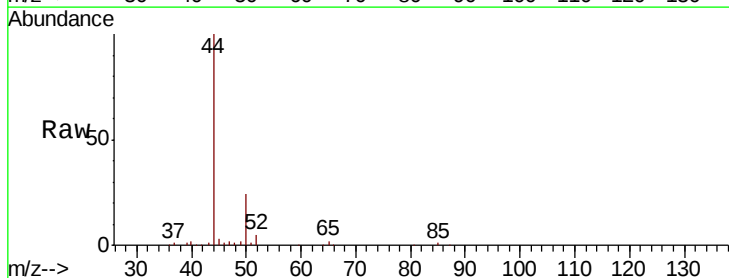
Acq: 3 Mar 2022 5:17

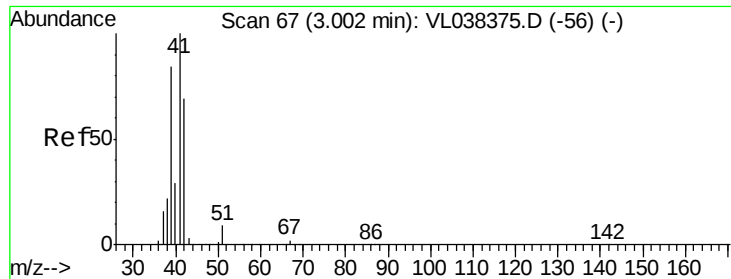
Tgt Ion: 50 Resp: 26558

Ion Ratio Lower Upper

50 100

52 19.1 26.5 39.7#



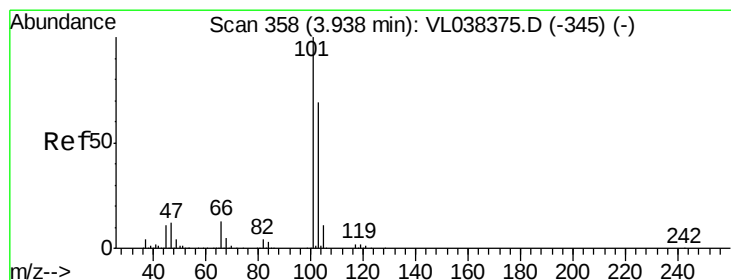
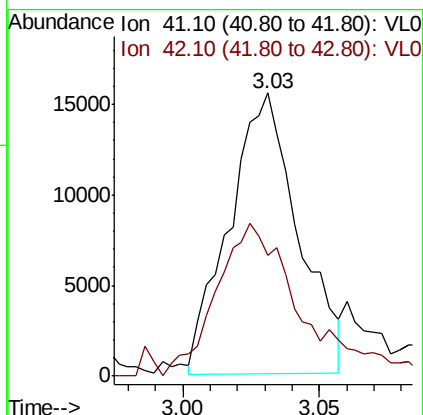
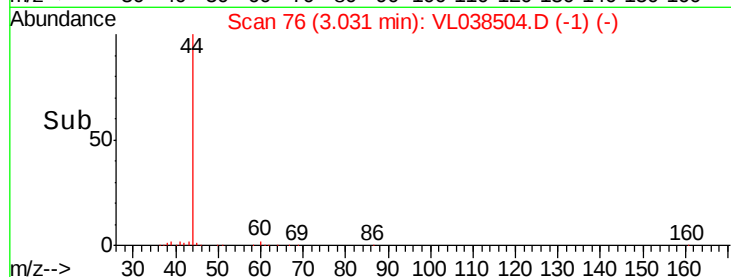
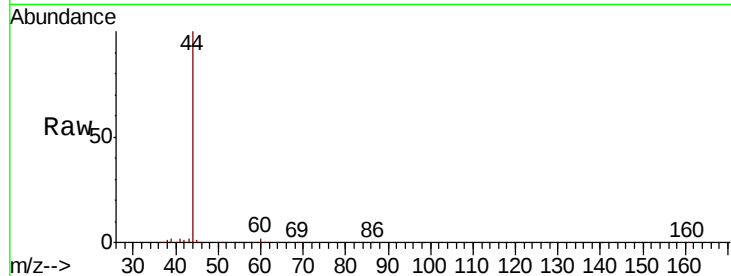


#9
 Propene
 Concen: 0.538 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 5:17

Tot Ion:
 Ion Ratio
 41 100
 42 71.

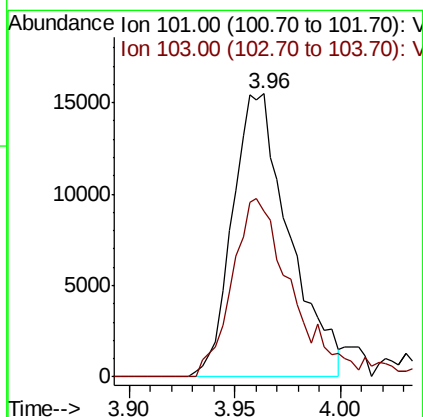
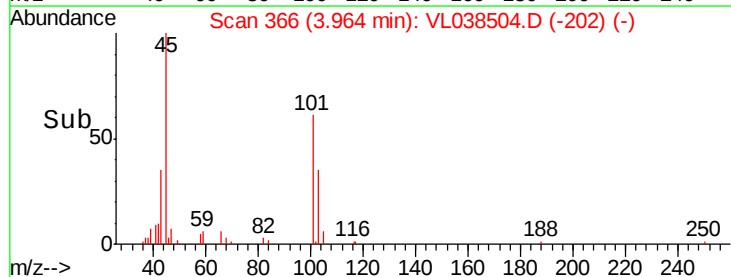
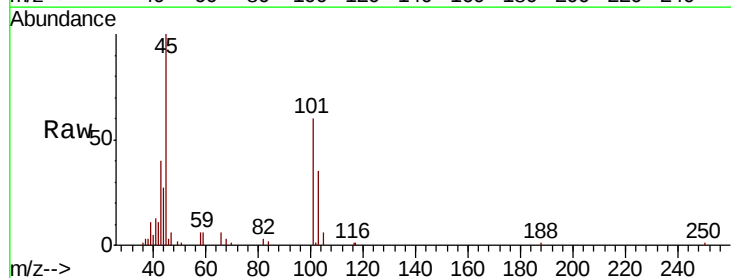
Manual Integrations
 APPROVED

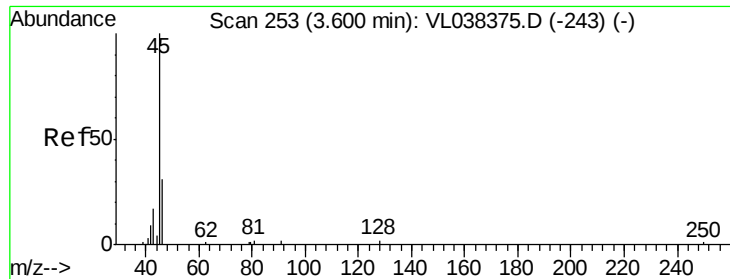
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#11
 Trichlorofluoromethane
 Concen: 0.219 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.03 min
 Lab File: VL038504.D
 Acq: 3 Mar 2022 5:17

Tgt Ion:101 Resp: 28939
 Ion Ratio Lower Upper
 101 100
 103 58.3 55.0 82.4



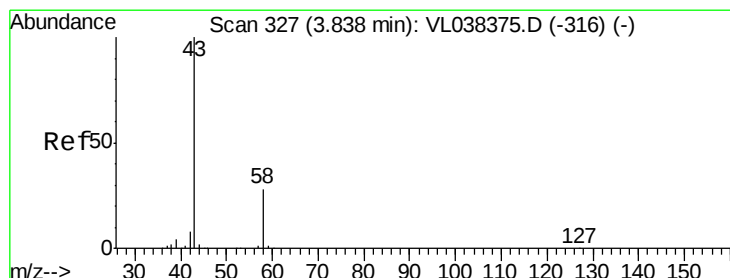
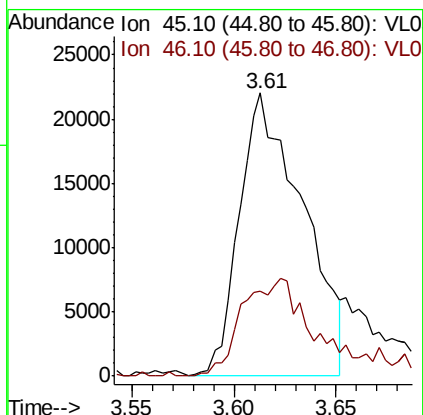
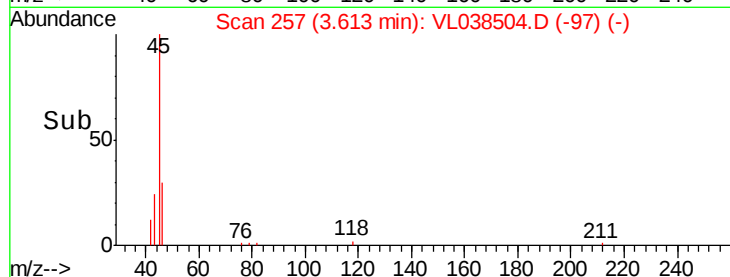
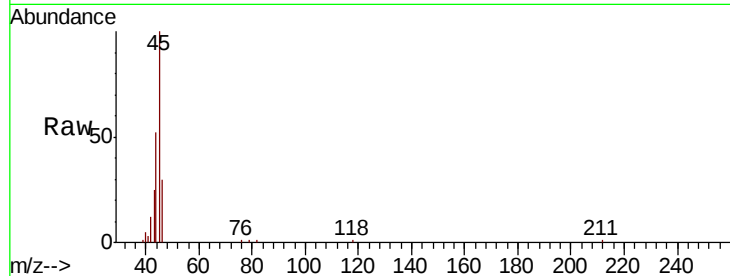


#13
Ethanol
Concen: 9.392 ppbv m
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 5:17

Tot Ion:
Ion Ratio
45 100
46 40.

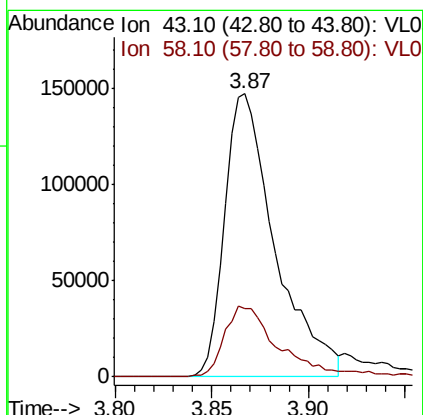
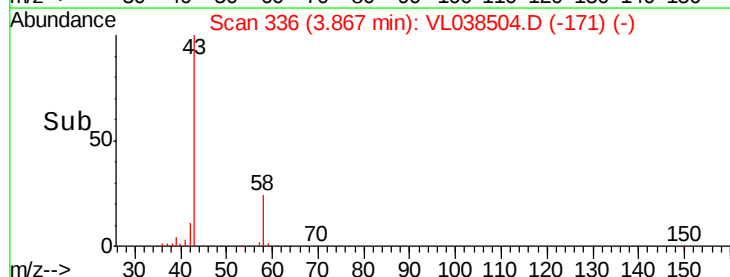
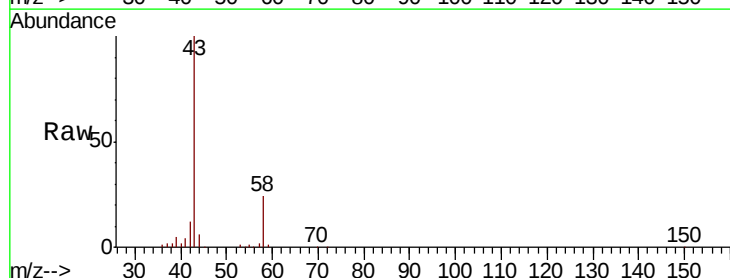
Manual Integrations
APPROVED

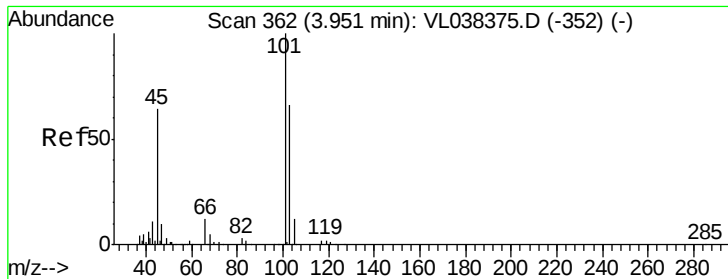
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 3.599 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL038504.D
Acq: 3 Mar 2022 5:17

Tgt Ion: 43 Resp: 266418
Ion Ratio Lower Upper
43 100
58 27.6 21.7 32.5





#19

Isopropyl Alcohol

Concen: 6.945 ppbv

RT: 3.98

Delta R.T.

Lab File:

Acq: 3 Mar 2022

Instrument :
MSVOA_1

ClientSampleId :

OA1

Tot Ion:

Ion Ratio

45 100

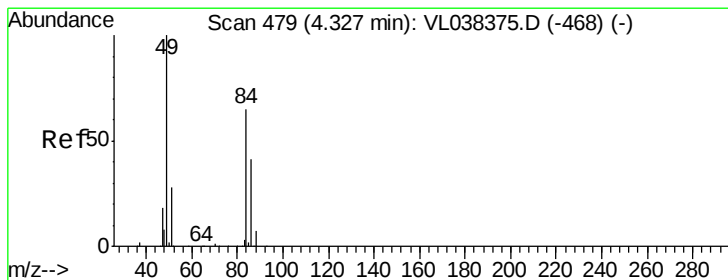
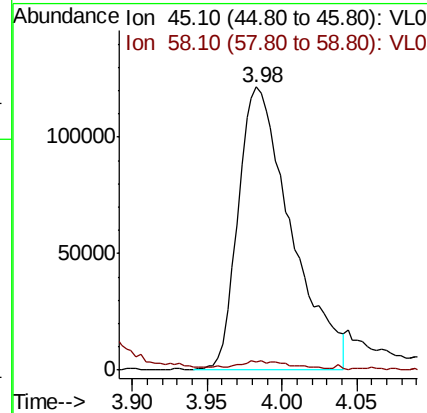
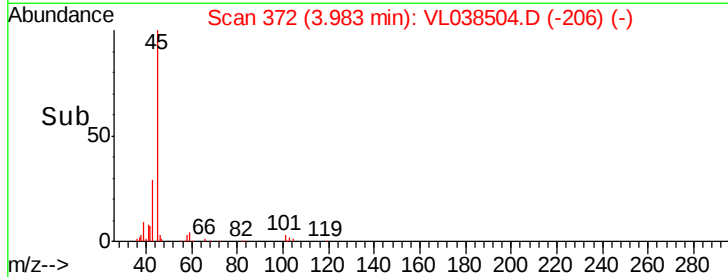
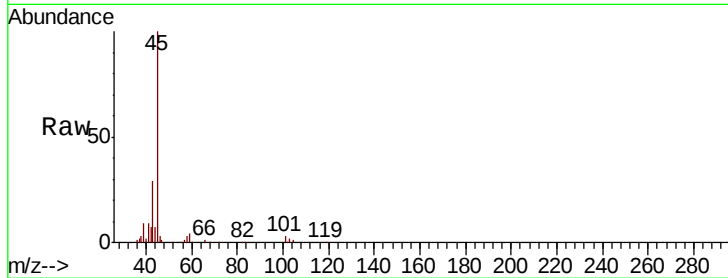
58 3.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#20

Methylene Chloride

Concen: 2.812 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL038504.D

Acq: 3 Mar 2022 5:17

Tgt Ion: 84 Resp: 103124

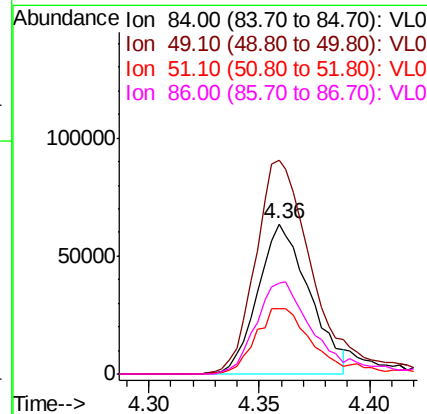
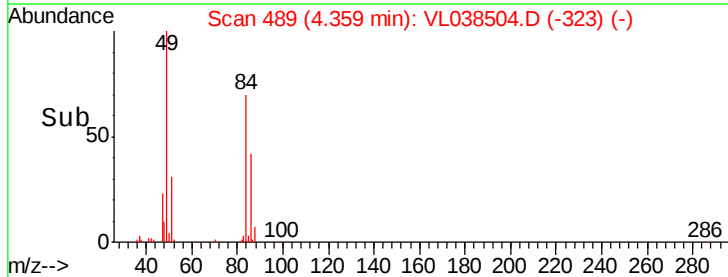
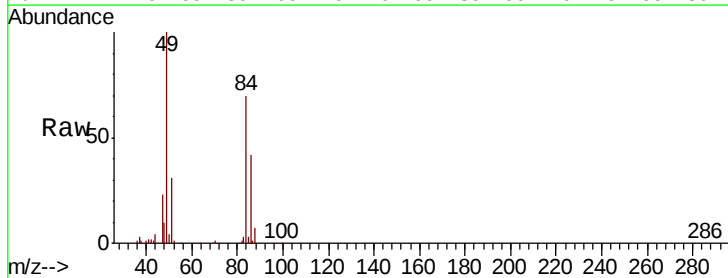
Ion Ratio Lower Upper

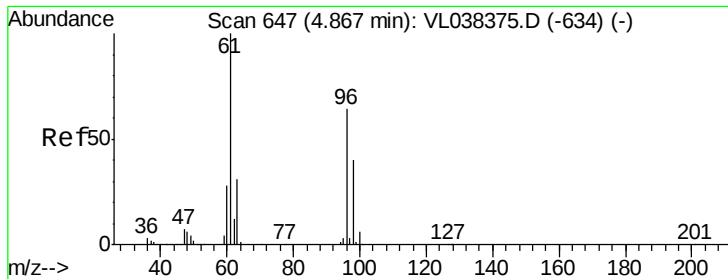
84 100

49 142.4 122.4 183.6

51 43.9 33.3 49.9

86 60.4 50.7 76.1





#22

trans-1,2-Dichloroethene

Concen: 0.252 ppbv

RT: 4.90 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 5:17

Tot Ion:

Ion Ratio

96 100

61 178.

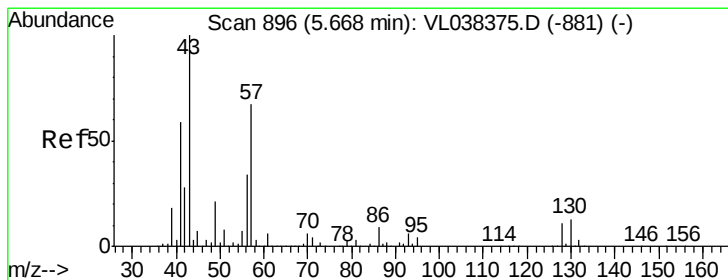
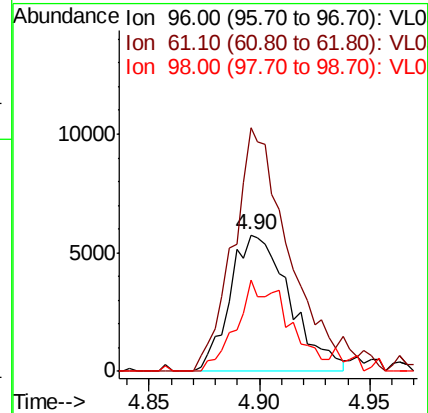
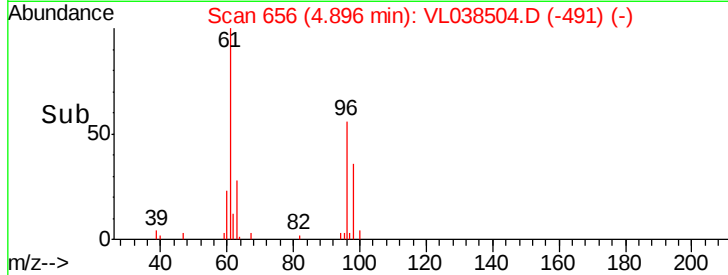
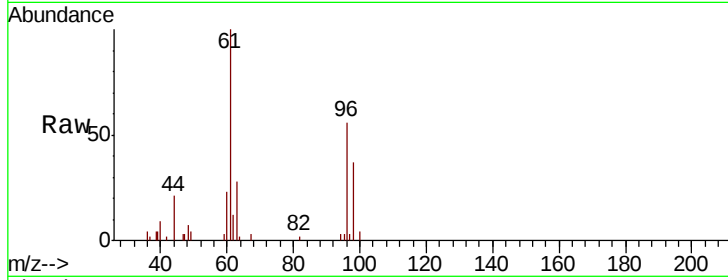
98 66.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#26

Hexane

Concen: 0.705 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.03 min

Lab File: VL038504.D

Acq: 3 Mar 2022 5:17

Tgt Ion: 57 Resp: 63497

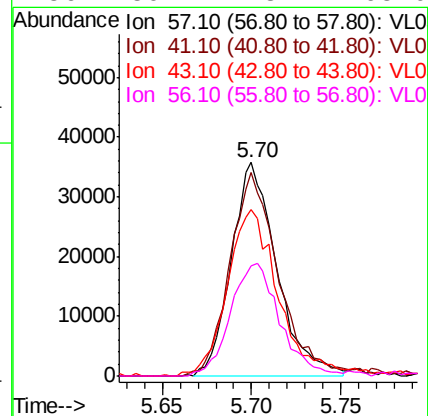
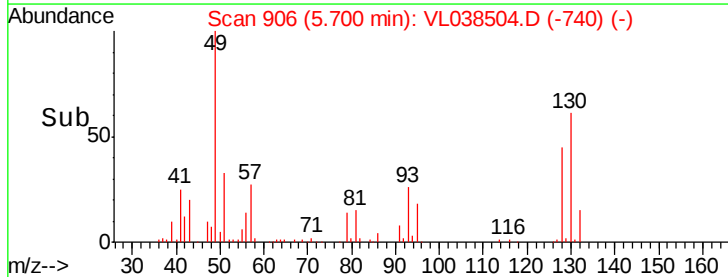
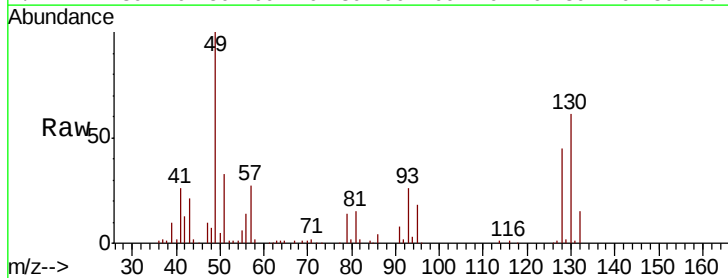
Ion Ratio Lower Upper

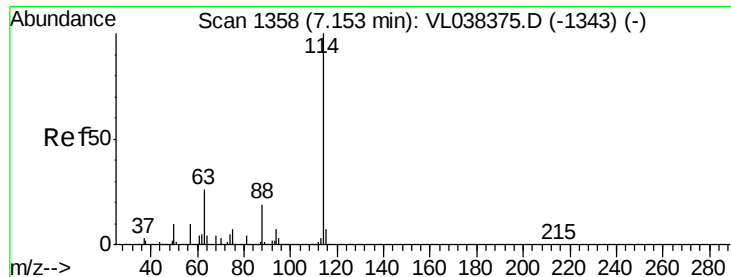
57 100

41 104.5 73.1 109.7

43 90.1 181.0 271.4#

56 59.1 43.4 65.0



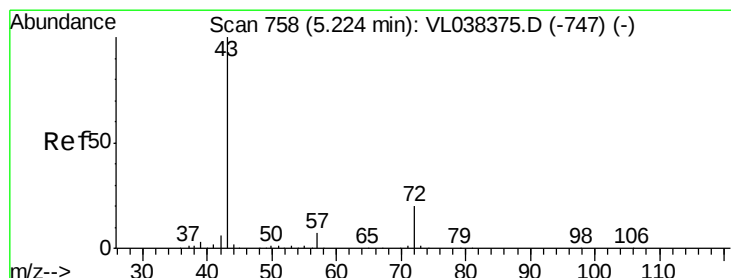
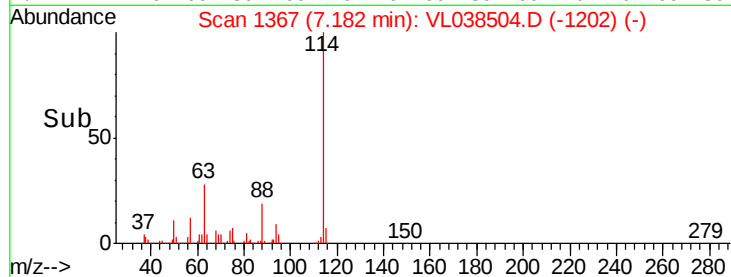
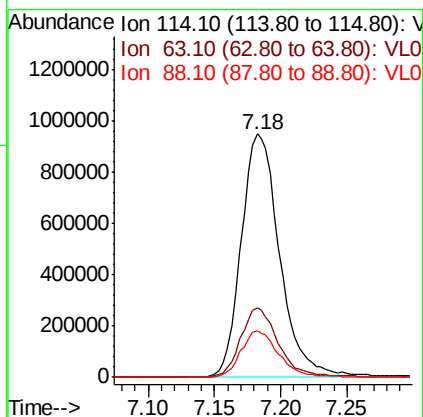
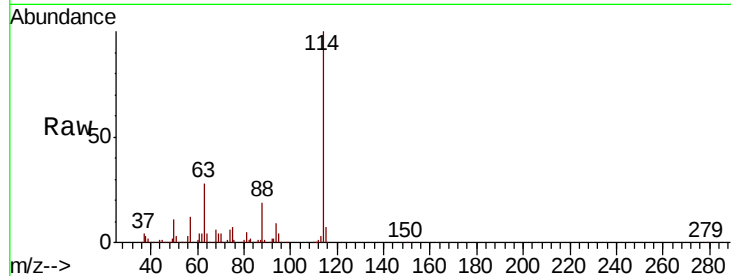


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 5:17

Tot Ion:1
 Ion Rati
 114 100
 63 28.
 88 19.

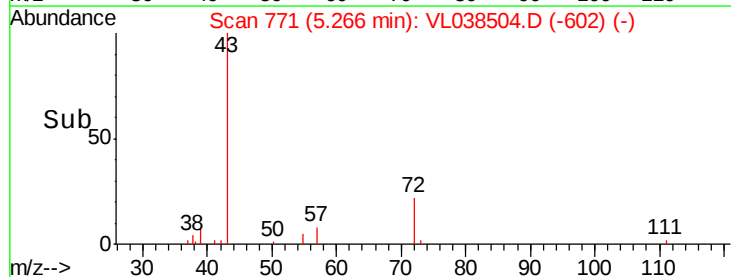
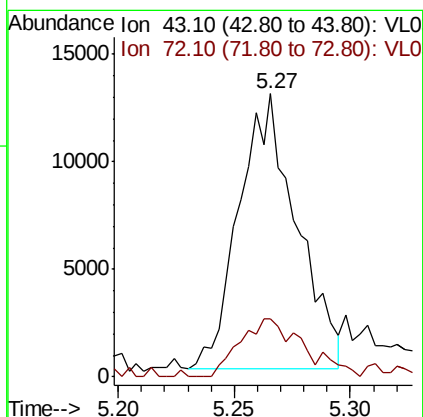
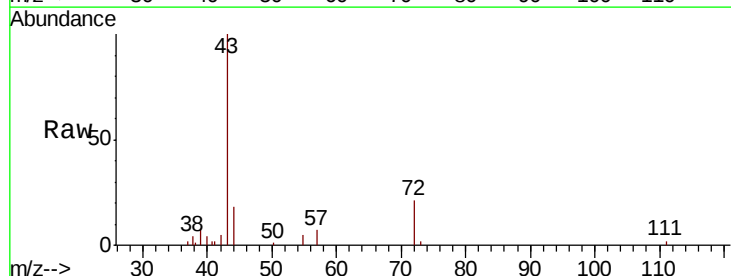
Manual Integrations
 APPROVED

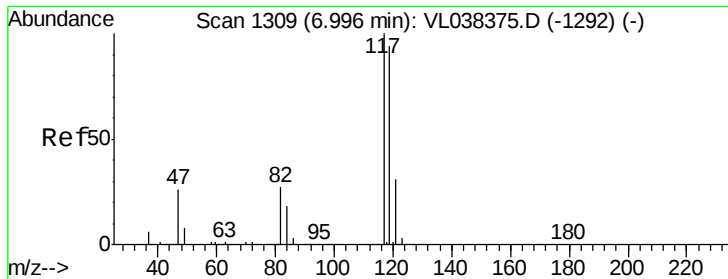
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#34
 2-Butanone
 Concen: 0.370 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.04 min
 Lab File: VL038504.D
 Acq: 3 Mar 2022 5:17

Tgt Ion: 43 Resp: 22129
 Ion Ratio Lower Upper
 43 100
 72 25.9 17.4 26.2





#35

Carbon Tetrachloride

Concen: 0.060 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 5:17

Tot Ion:1

Ion Rati

117 100

119 70.

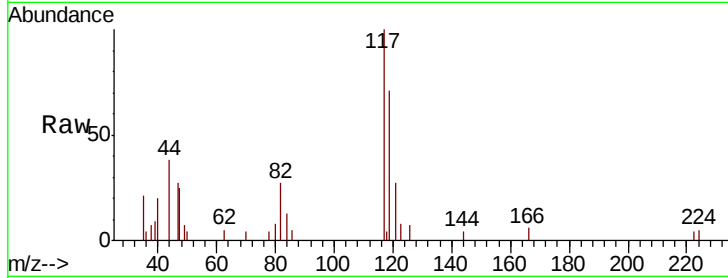
121 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

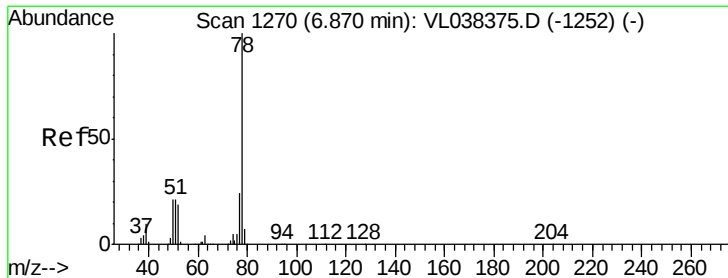
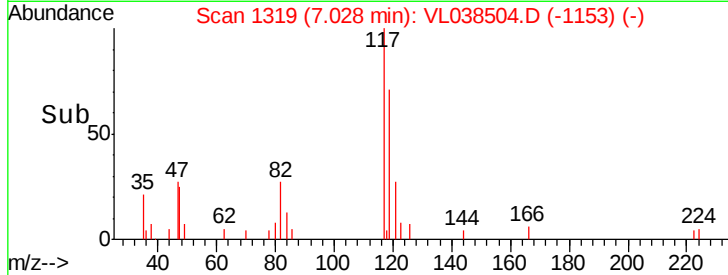
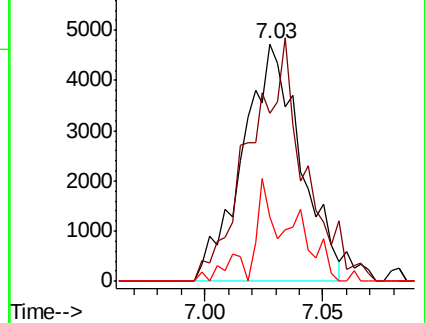
Supervised By :Mahesh Dadoda 03/07/2022



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.204 ppbv m

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL038504.D

Acq: 3 Mar 2022 5:17

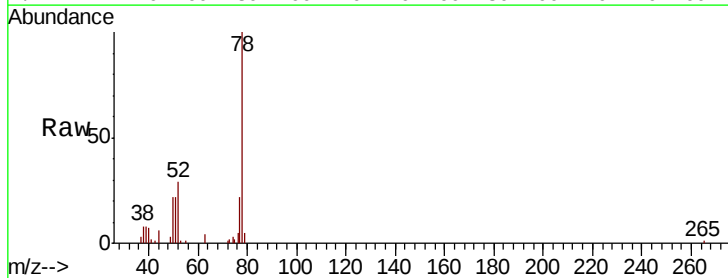
Tgt Ion: 78 Resp: 34072

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.6

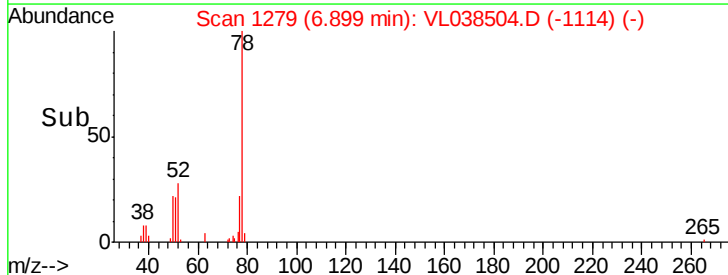
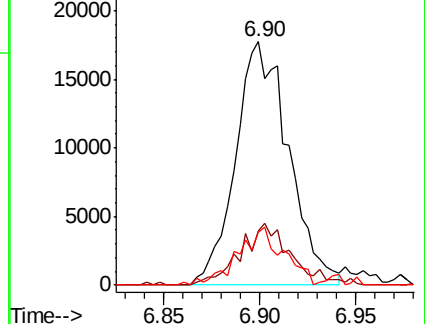
50 21.8 16.6 24.8

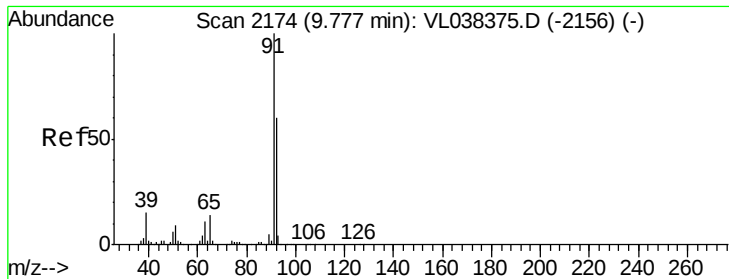


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#53

Toluene

Concen: 0.239 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 5:17

Tot Ion:

Ion Ratio

91 100

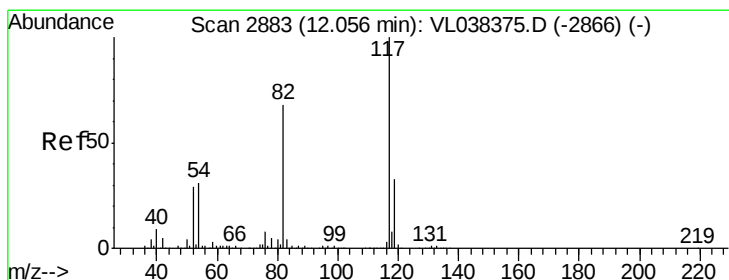
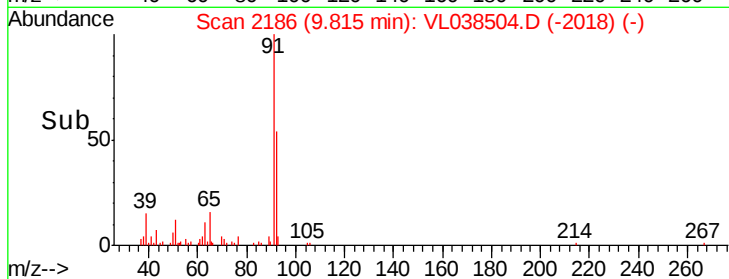
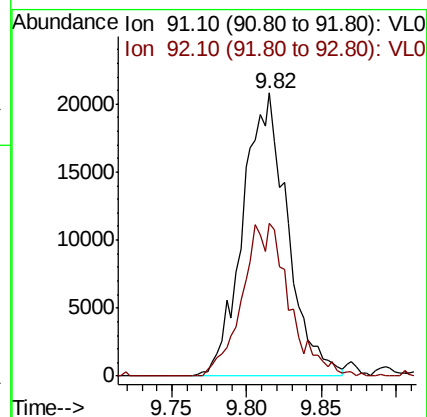
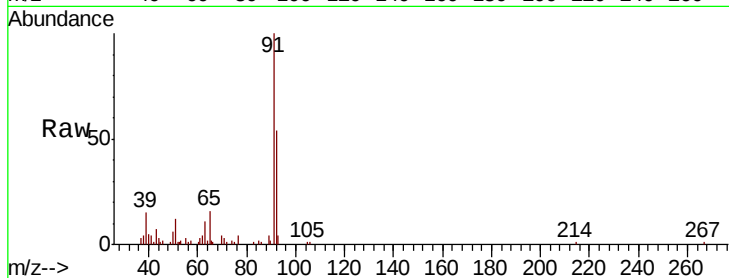
92 56.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.03 min

Lab File: VL038504.D

Acq: 3 Mar 2022 5:17

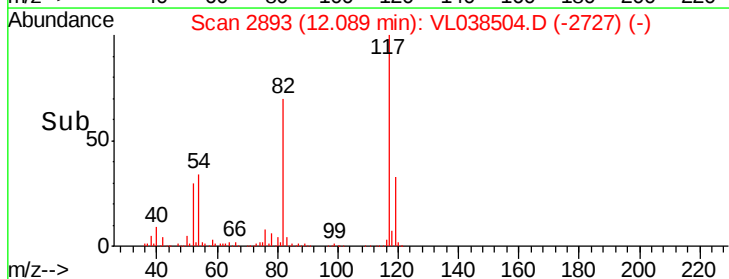
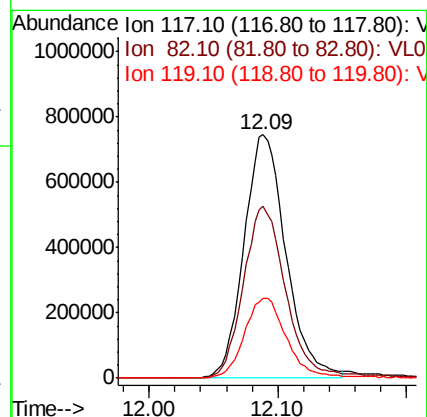
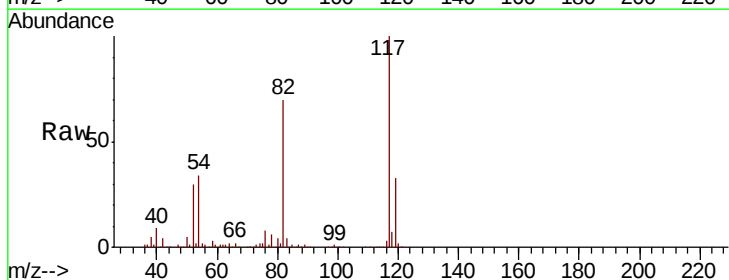
Tgt Ion:117 Resp: 1689781

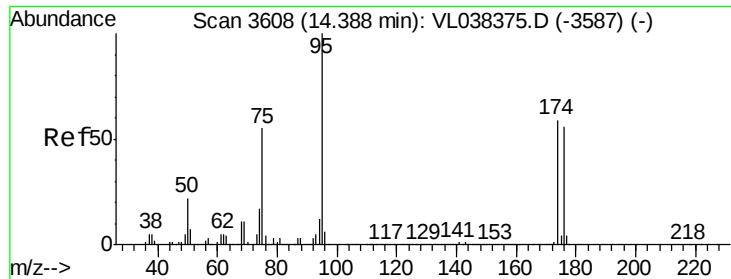
Ion Ratio Lower Upper

117 100

82 72.9 54.9 82.3

119 33.9 46.1 69.1#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.097 ppbv
 RT: 14.42
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 5.17

Tot Ion:
 Ion Rati
 95 100
 174 58.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022

