

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038155.D
 Acq On : 7 Dec 2021 18:06
 Operator : SY/AP
 Sample : M4897-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 OA-1

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 14:59:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	858240	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2252345	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1920590	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1531348	11.05	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	47672	0.336	ppbv	97
3) Chlorodifluoromethane	2.99	51	48890m	0.271	ppbv	
4) Chloromethane	3.15	50	36111m	0.589	ppbv	
9) Propene	3.02	41	63853m	0.962	ppbv	
11) Trichlorofluoromethane	3.95	101	36612	0.272	ppbv	90
13) Ethanol	3.60	45	400877	62.495	ppbv	91
15) Acetone	3.85	43	489191	6.574	ppbv	99
19) Isopropyl Alcohol	3.97	45	384886m	7.159	ppbv	
20) Methylene Chloride	4.34	84	283742	6.808	ppbv	93
25) Ethyl Acetate	5.67	43	147227	0.595	ppbv #	86
26) Hexane	5.68	57	169466	1.422	ppbv #	51
36) Benzene	6.88	78	48214	0.215	ppbv	96
53) Toluene	9.79	91	85557	0.331	ppbv	97
58) Ethyl Benzene	12.69	91	20224m	0.064	ppbv	

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

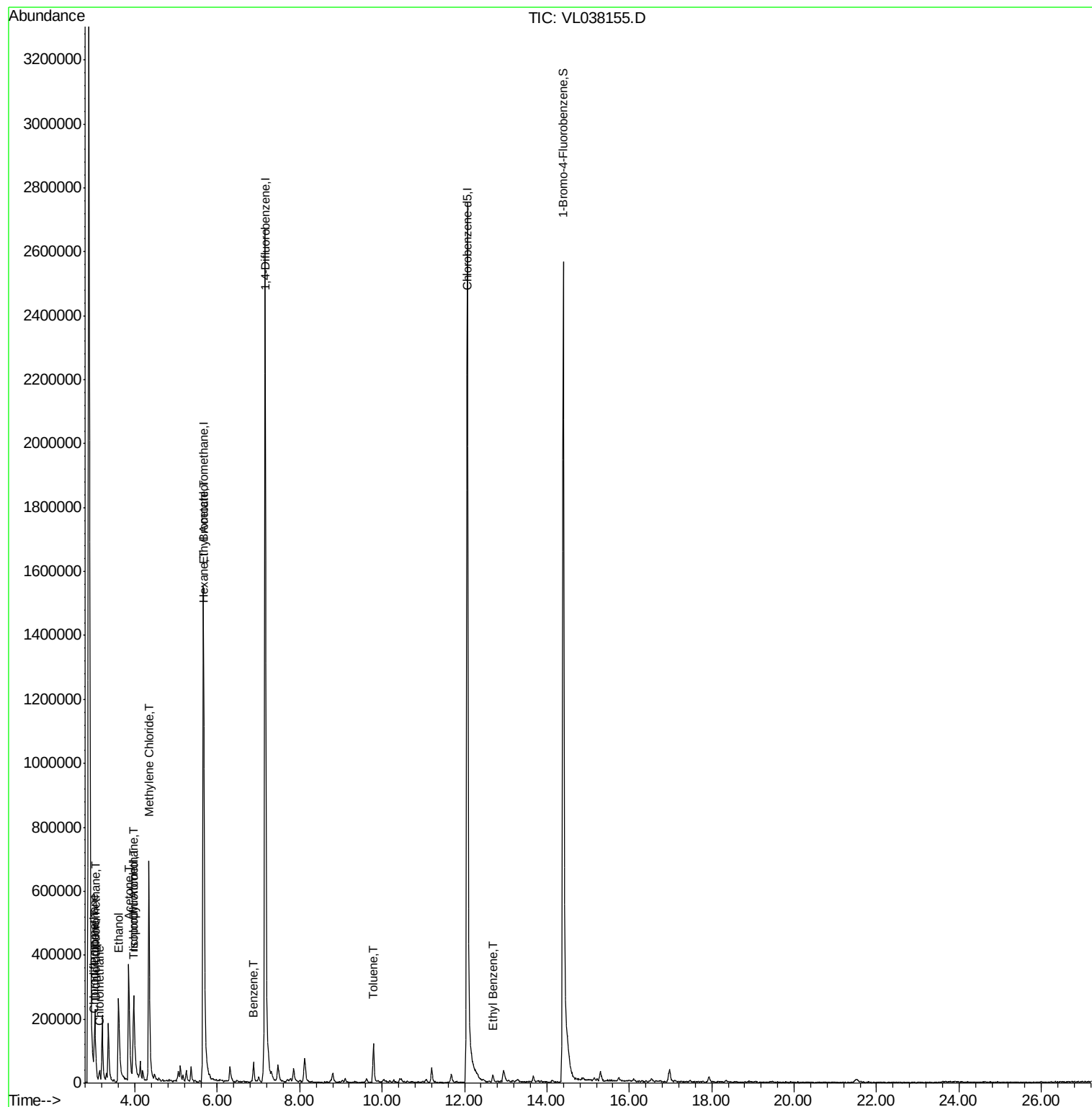
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
Data File : VL038155.D
Acq On : 7 Dec 2021 18:06
Operator : SY/AP
Sample : M4897-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

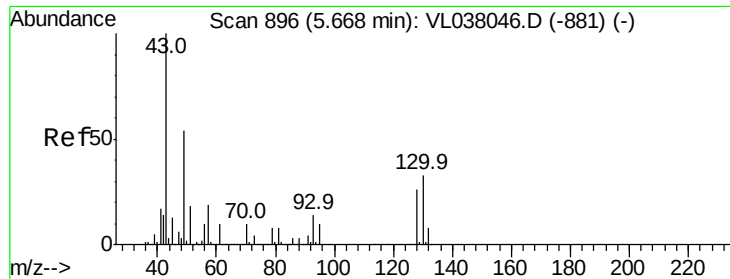
Instrument :
MSVOA_L
ClientSampleId :
OA-1

Quant Time: Dec 08 14:59:34 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA-1

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

49 100

128 46.

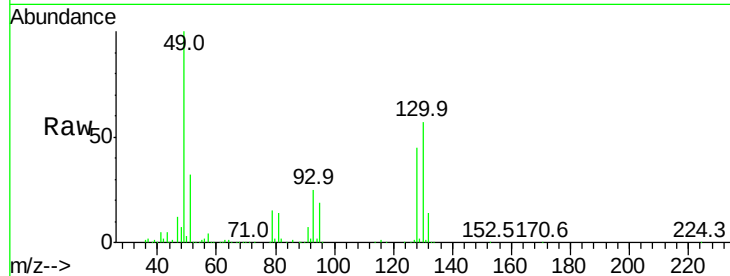
130 60.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

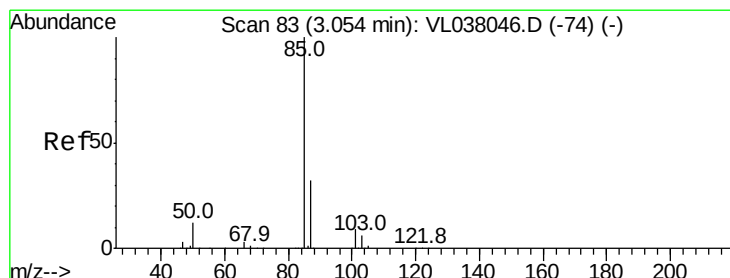
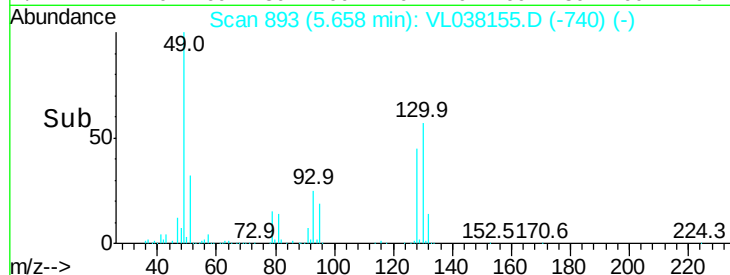
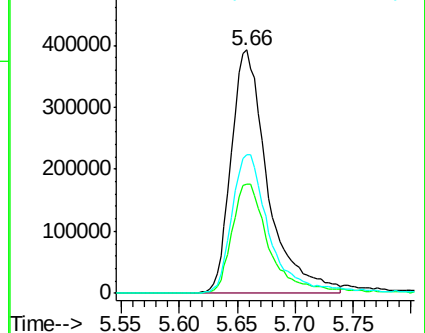
Supervised By :Semsettin Yesilyurt 12/08/2021



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: 0.336 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038155.D

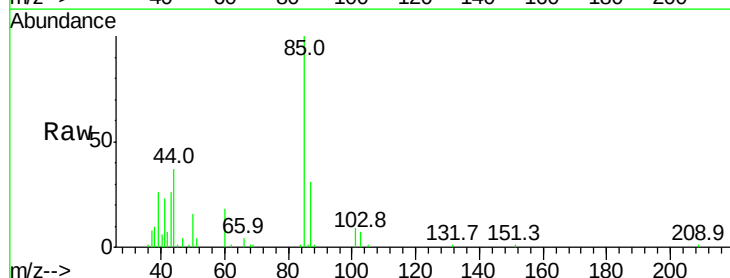
Acq: 7 Dec 2021 18:06

Tgt Ion: 85 Resp: 47672

Ion Ratio Lower Upper

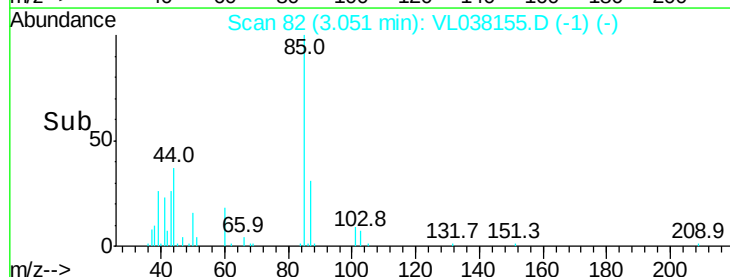
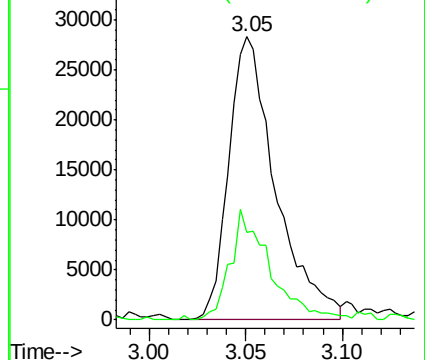
85 100

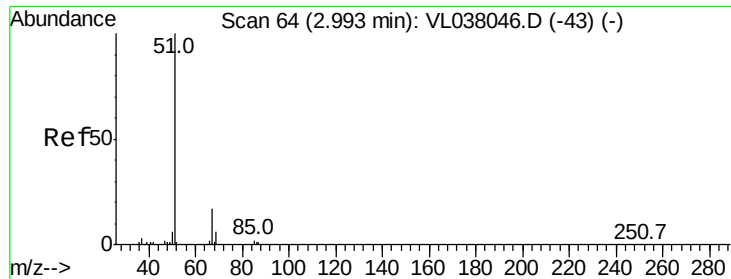
87 30.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.271 ppbv m

RT: 2.99 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

51 100

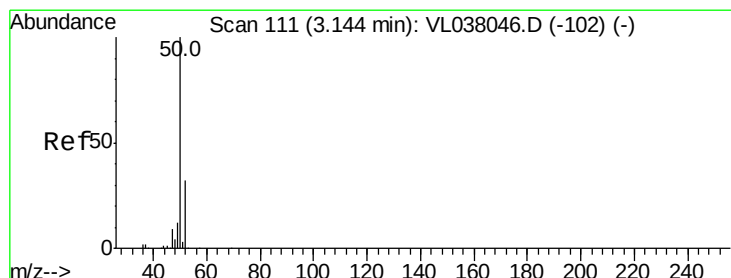
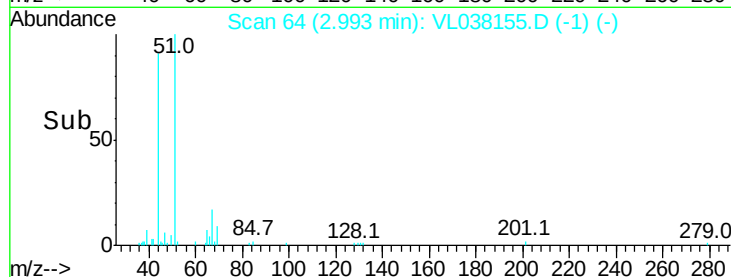
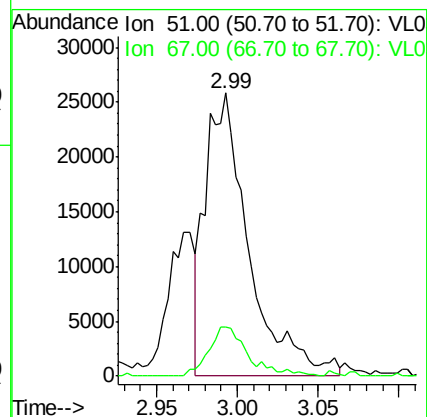
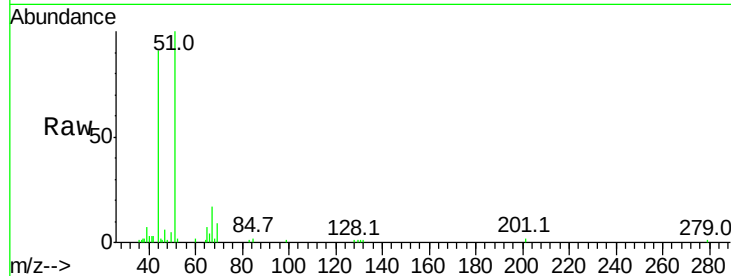
67 0.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#4

Chloromethane

Concen: 0.589 ppbv m

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038155.D

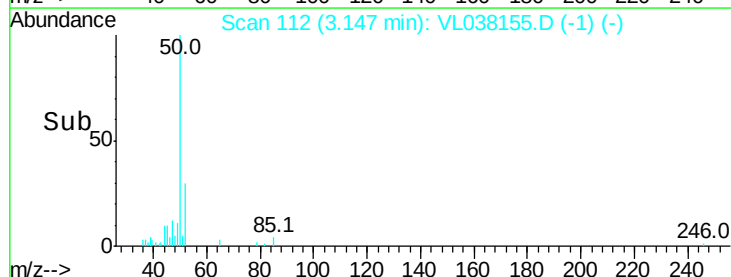
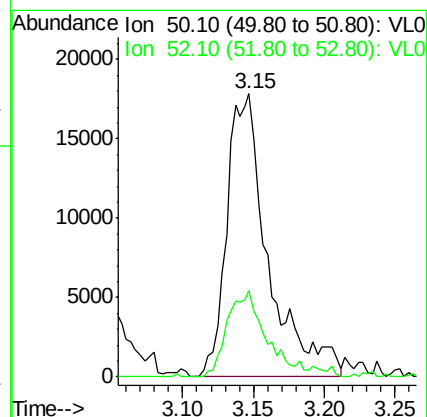
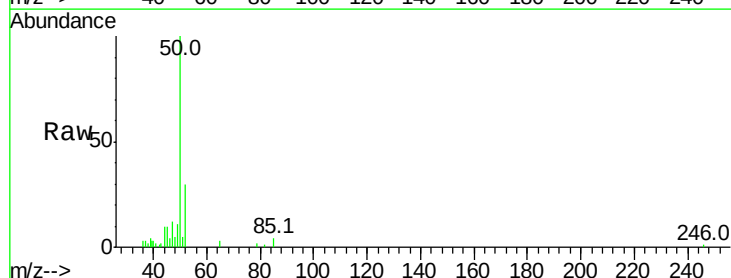
Acq: 7 Dec 2021 18:06

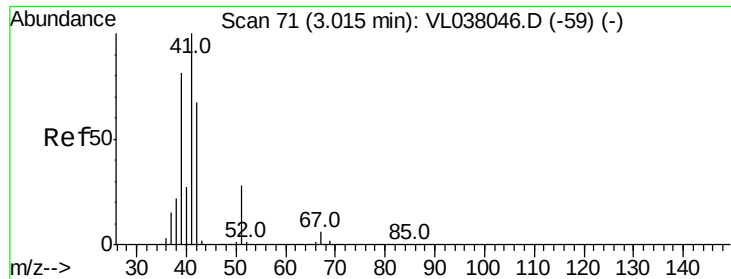
Tgt Ion: 50 Resp: 36111

Ion Ratio Lower Upper

50 100

52 30.3 25.4 38.0





#9

Propene

Concen: 0.962 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

41 100

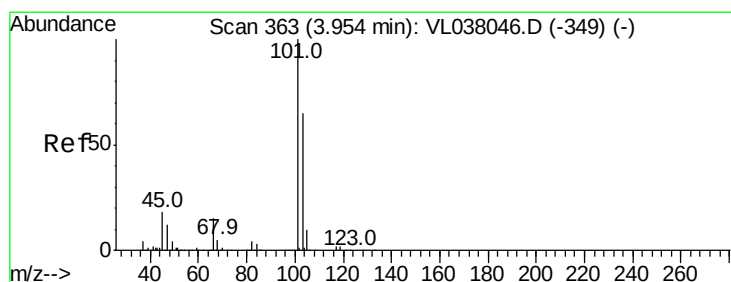
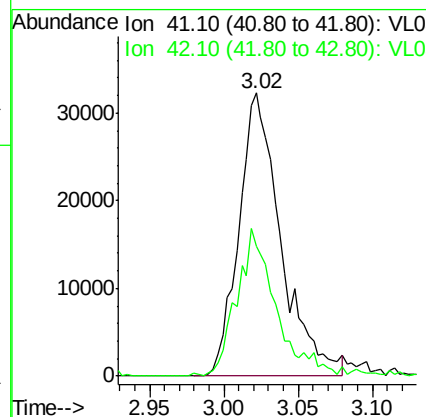
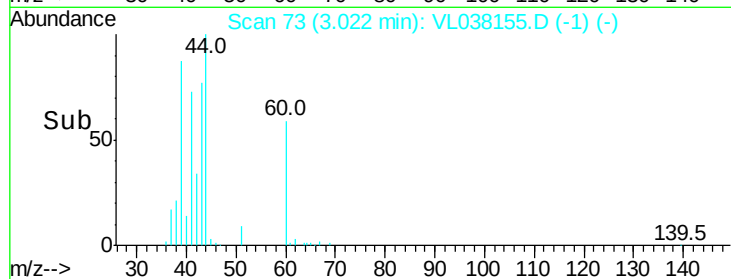
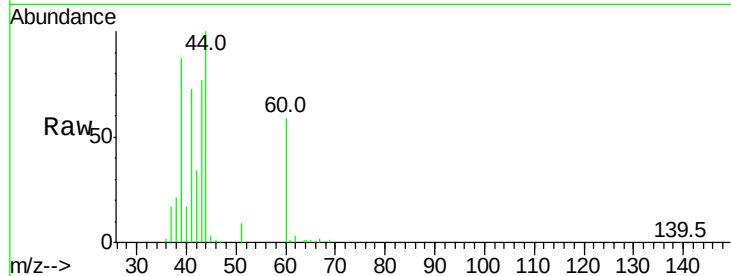
42 49.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#11

Trichlorofluoromethane

Concen: 0.272 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL038155.D

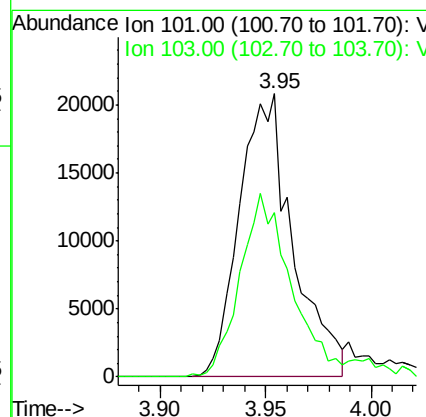
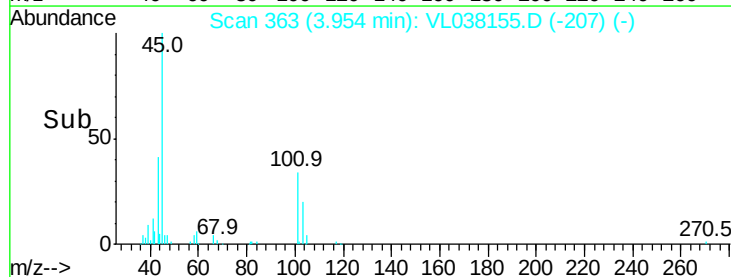
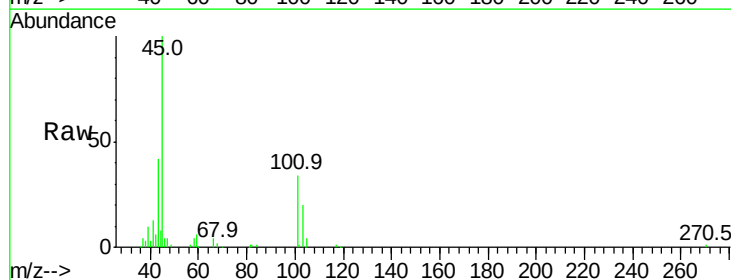
Acq: 7 Dec 2021 18:06

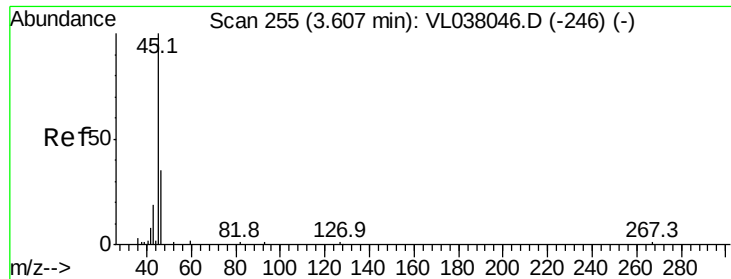
Tgt Ion:101 Resp: 36612

Ion Ratio Lower Upper

101 100

103 57.0 51.8 77.6



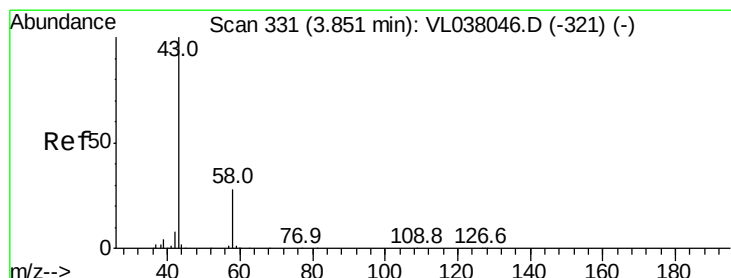
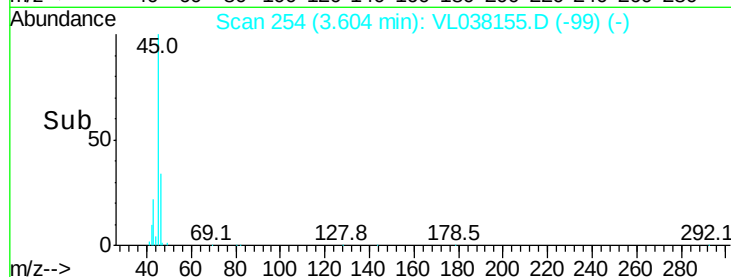
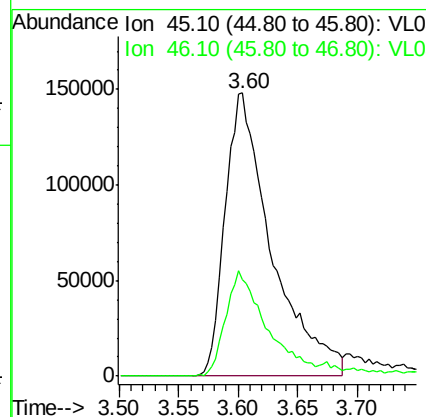
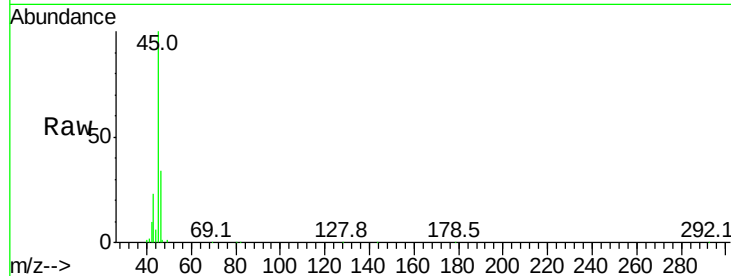


#13
Ethanol
Concen: 62.495 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:00

Tot Ion:
Ion Ratio
45 100
46 38.

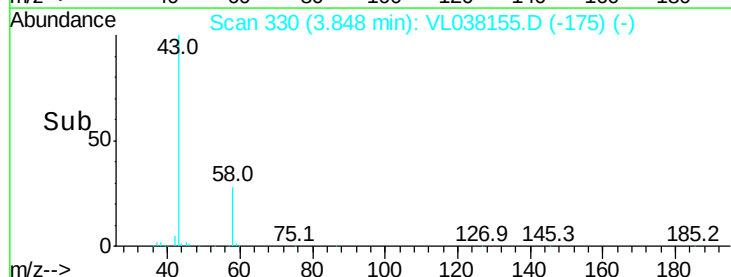
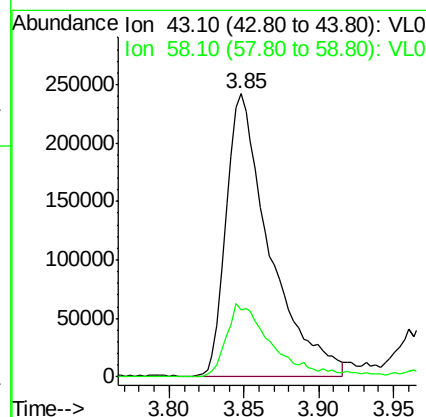
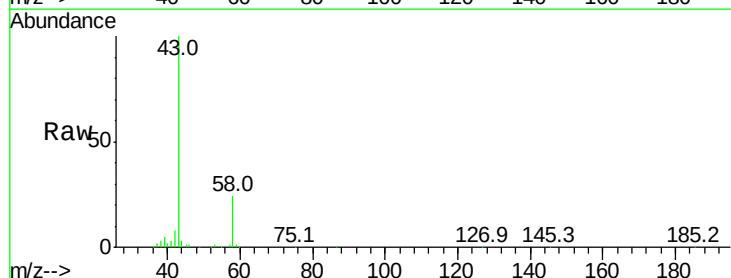
Manual Integrations
APPROVED

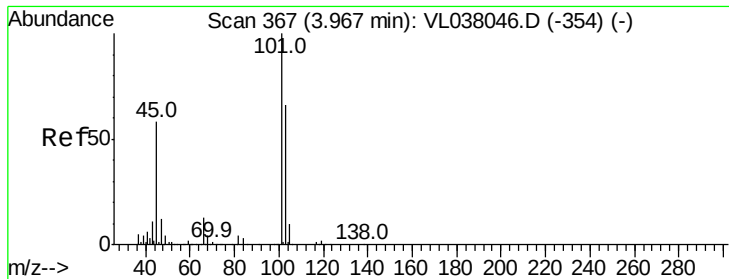
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#15
Acetone
Concen: 6.574 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038155.D
Acq: 7 Dec 2021 18:06

Tgt Ion: 43 Resp: 489191
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6





#19

Isopropyl Alcohol

Concen: 7.159 ppbv m

RT: 3.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

45 100

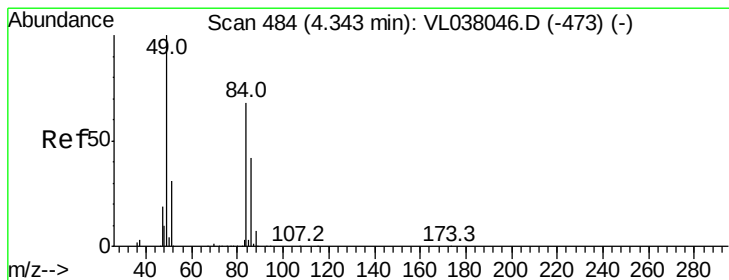
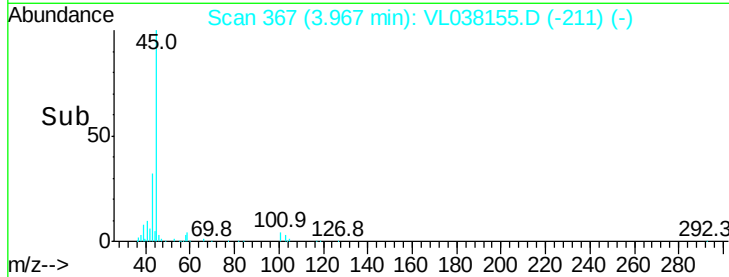
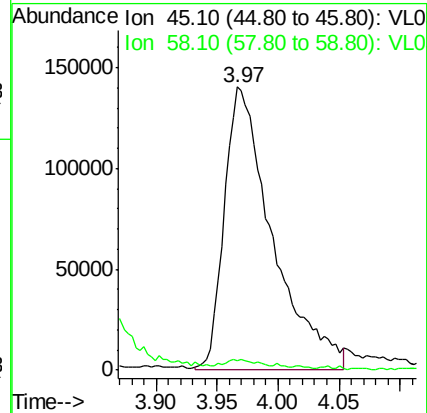
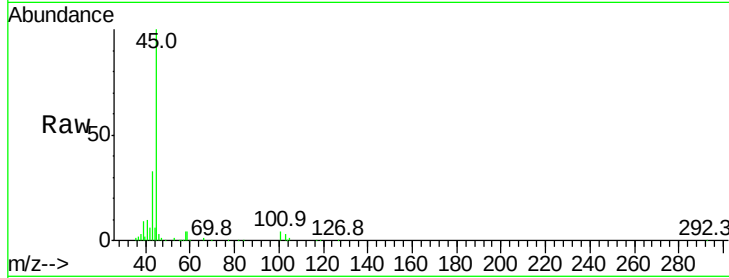
58 3.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#20

Methylene Chloride

Concen: 6.808 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038155.D

Acq: 7 Dec 2021 18:06

Tgt Ion: 84 Resp: 283742

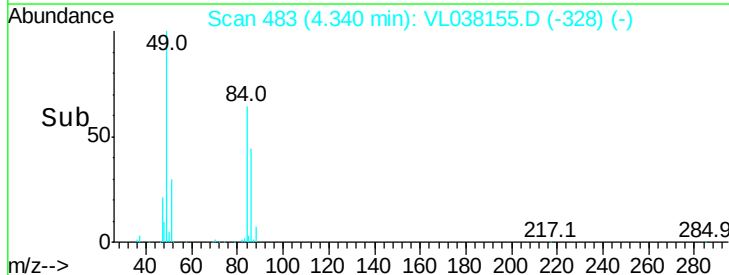
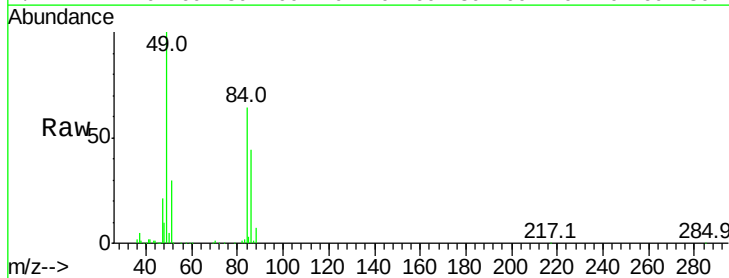
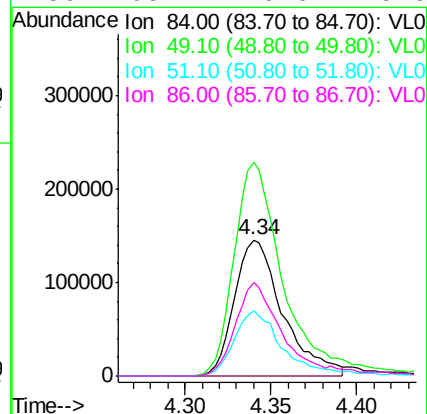
Ion Ratio Lower Upper

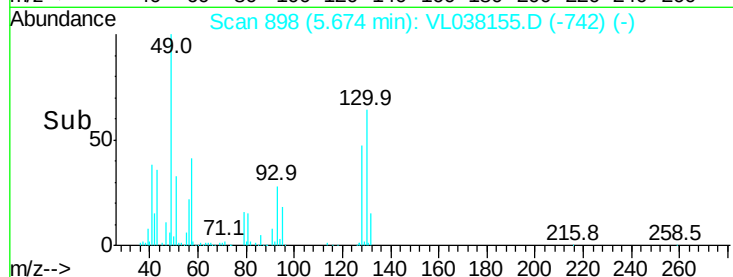
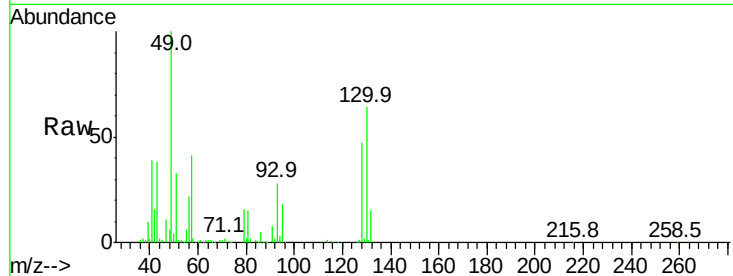
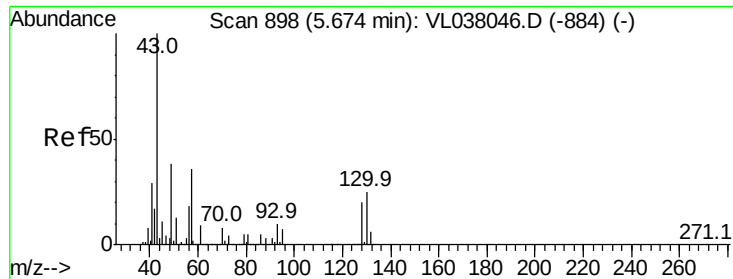
84 100

49 156.7 118.2 177.2

51 47.6 36.8 55.2

86 68.2 49.0 73.6



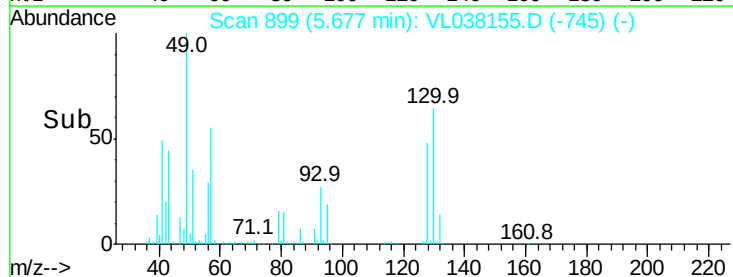
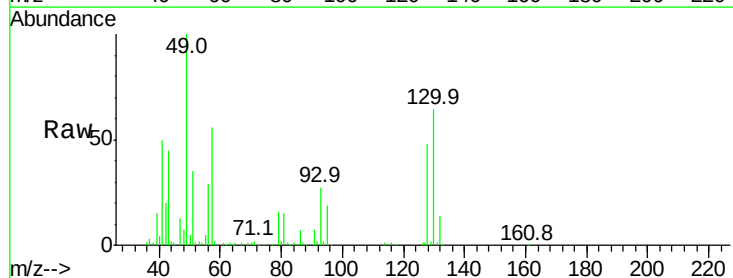
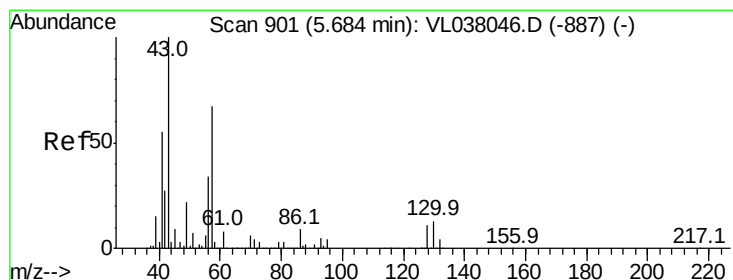
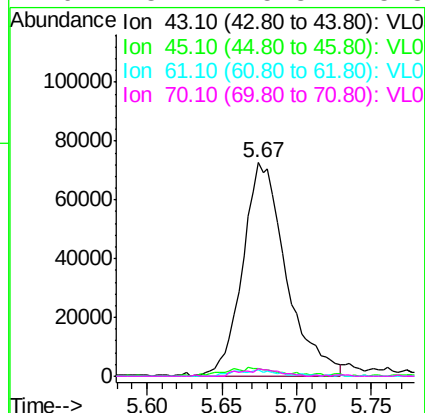


#25
Ethyl Acetate
Concen: 0.595 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 18:00

Tot Ion:
Ion Ratio
43 100
45 5.
61 3.
70 3.2 5.8 8.8#

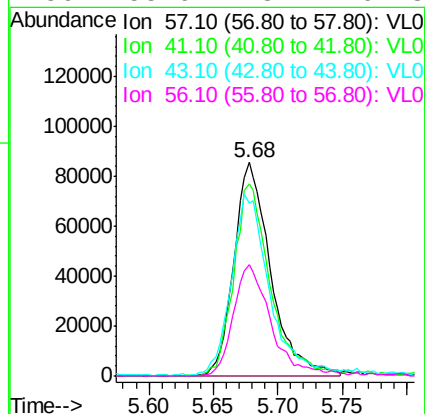
Manual Integrations
APPROVED

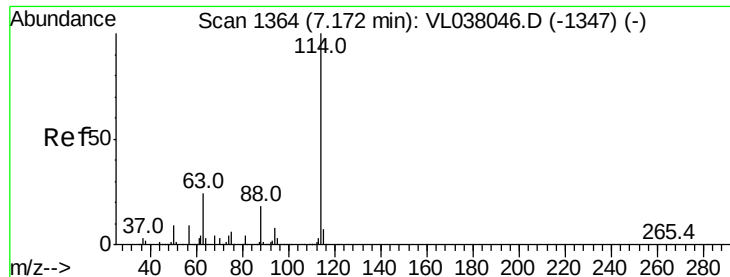
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#26
Hexane
Concen: 1.422 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL038155.D
Acq: 7 Dec 2021 18:06

Tgt Ion: 57 Resp: 169466
Ion Ratio Lower Upper
57 100
41 92.0 71.4 107.2
43 90.3 174.6 261.8#
56 53.6 43.2 64.8



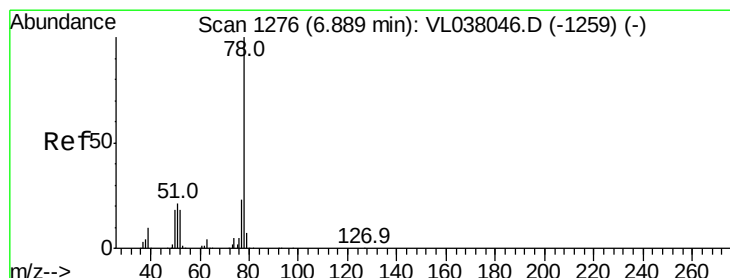
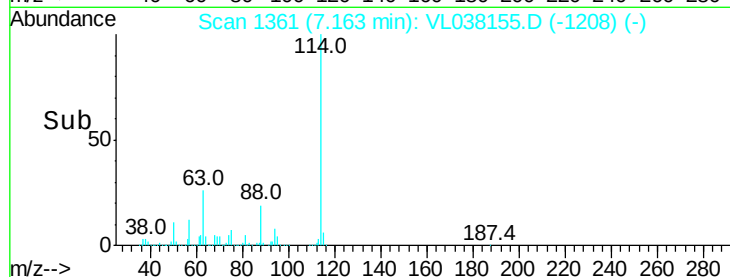
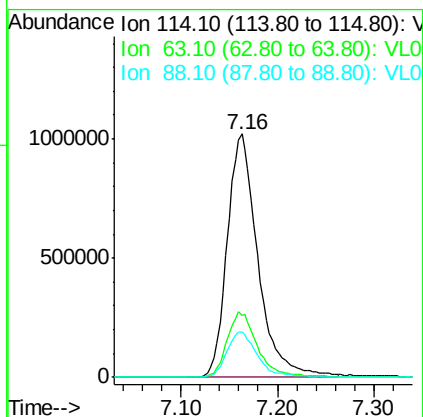
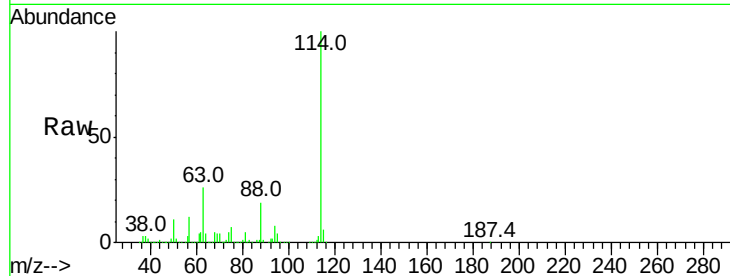


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Dec 2021 18:00

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 19.

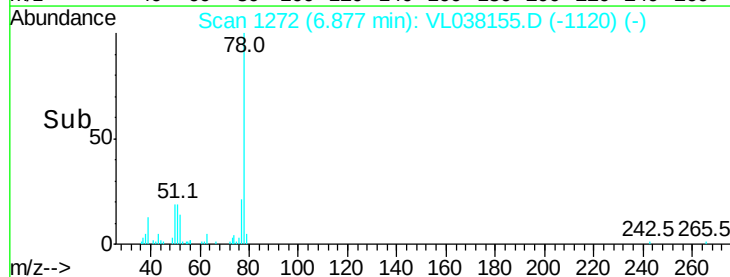
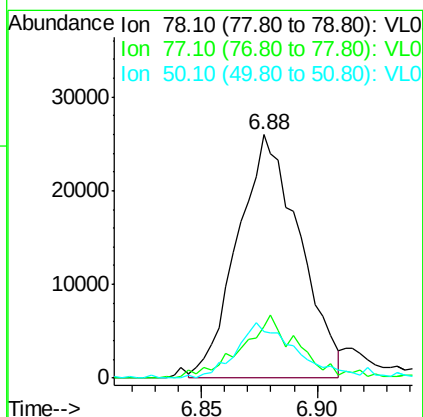
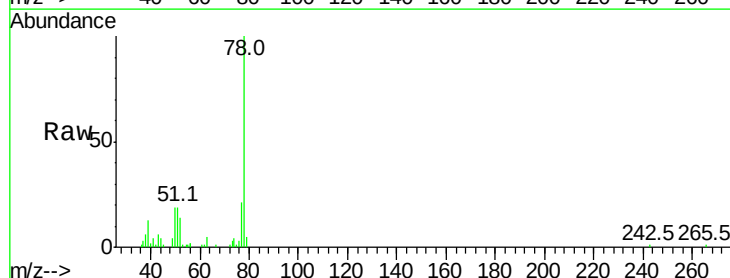
Manual Integrations
 APPROVED

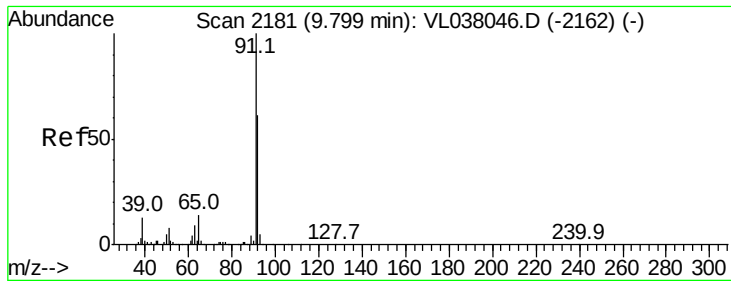
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#36
 Benzene
 Concen: 0.215 ppbv
 RT: 6.88 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: VL038155.D
 Acq: 7 Dec 2021 18:06

Tgt Ion: 78 Resp: 48214
 Ion Ratio Lower Upper
 78 100
 77 20.2 18.2 27.4
 50 17.0 14.7 22.1





#53

Toluene

Concen: 0.331 ppbv

RT: 9.79 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

91 100

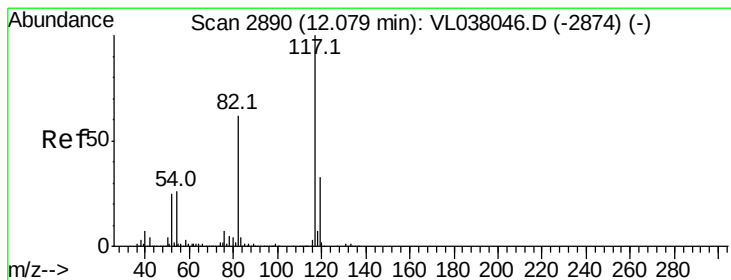
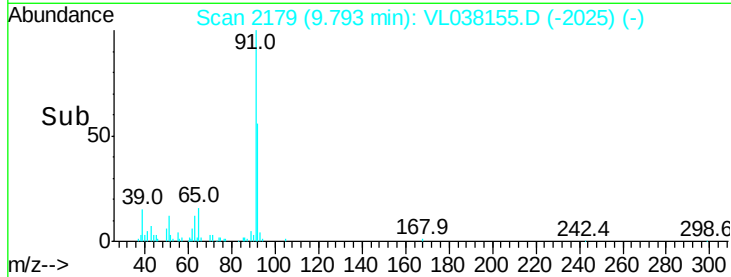
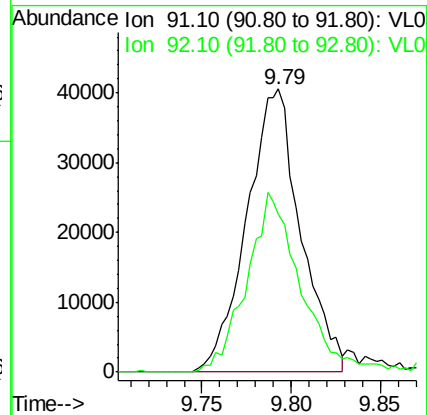
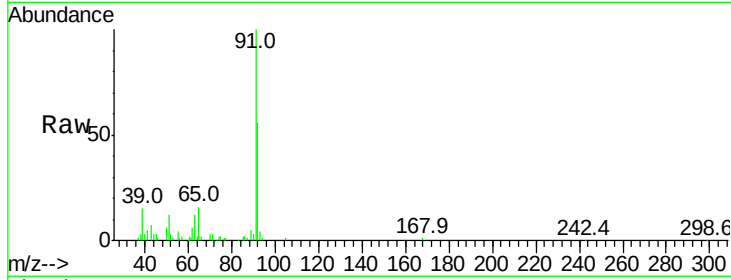
92 64.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038155.D

Acq: 7 Dec 2021 18:06

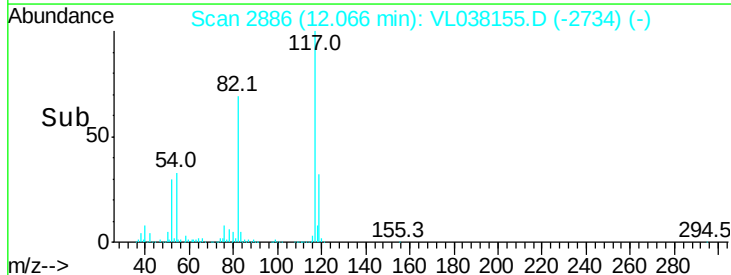
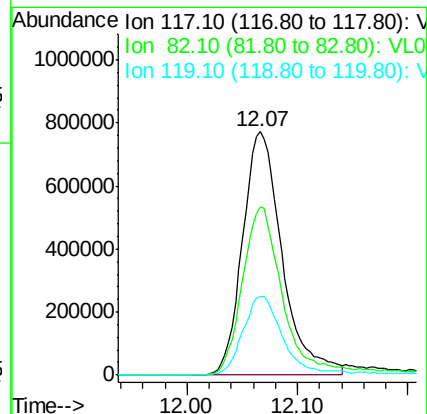
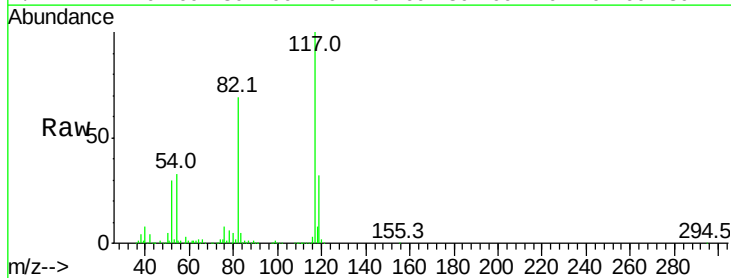
Tgt Ion:117 Resp: 1920590

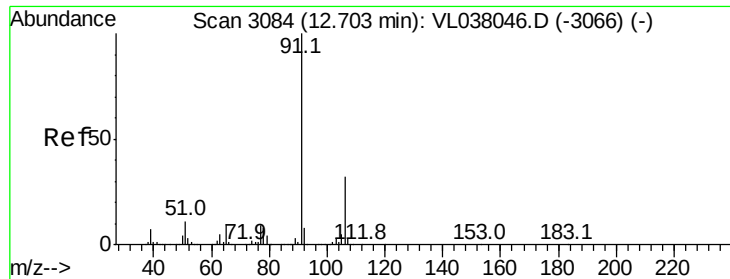
Ion Ratio Lower Upper

117 100

82 72.7 52.8 79.2

119 33.6 26.8 40.2





#58

Ethyl Benzene

Concen: 0.064 ppbv m

RT: 12.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 18:00

Tot Ion:

Ion Ratio

91 100

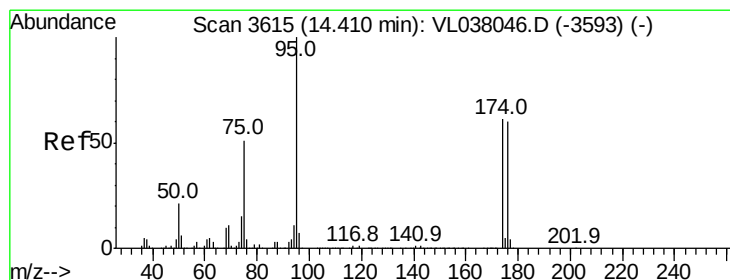
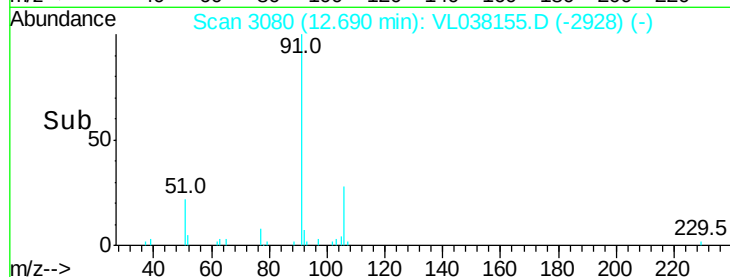
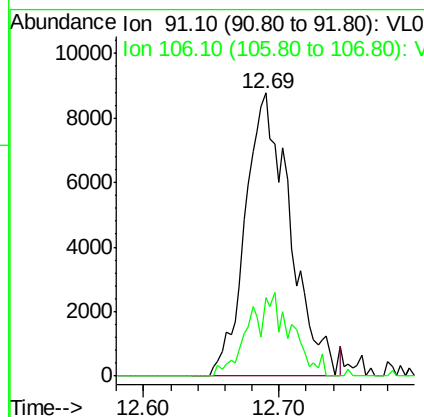
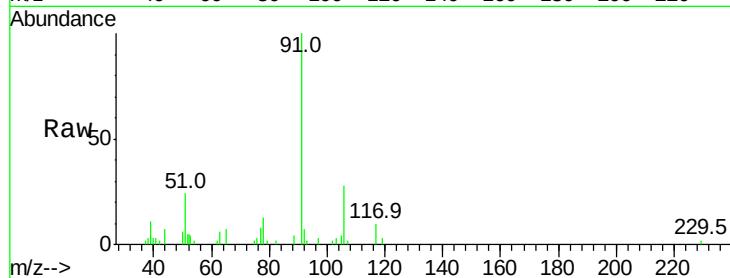
106 27.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 11.054 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.01 min

Lab File: VL038155.D

Acq: 7 Dec 2021 18:06

Tgt Ion: 95 Resp: 1531348

Ion Ratio Lower Upper

95 100

174 62.1 53.1 79.7

175 4.2 4.0 6.0

