

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038068.D
 Acq On : 19 Nov 2021 00:22
 Operator : SY/AP
 Sample : M4704-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 57-NEONEYDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 19 08:27:26 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	826186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2345774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1998860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1460591	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	484390	7.581	ppbv	99
13) Ethanol	3.62	45	18939m	3.067	ppbv	
15) Acetone	3.85	43	1505367	21.015	ppbv	98
17) tert-Butyl alcohol	4.33	59	17441m	0.201	ppbv	
19) Isopropyl Alcohol	3.98	45	13497m	0.261	ppbv	
20) Methylene Chloride	4.35	84	40860	1.018	ppbv	90
26) Hexane	5.69	57	39116	0.341	ppbv #	41
34) 2-Butanone	5.26	43	63494m	0.671	ppbv	
51) 2-Hexanone	10.16	43	6938m	0.103	ppbv	
53) Toluene	9.80	91	71705	0.266	ppbv	100
59) m/p-Xylene	12.96	91	36218m	0.130	ppbv	

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

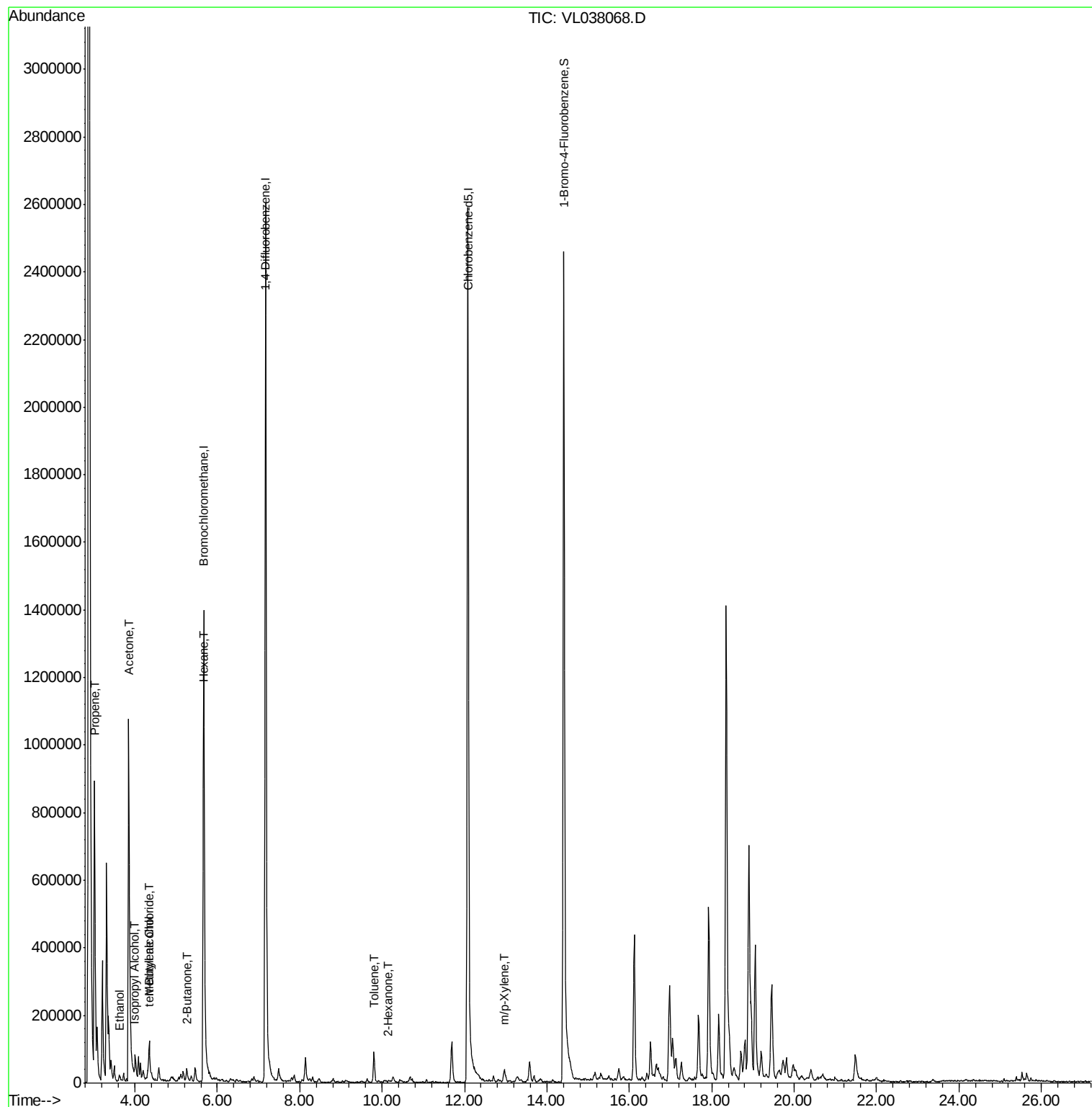
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Data File : VL038068.D
Acq On : 19 Nov 2021 00:22
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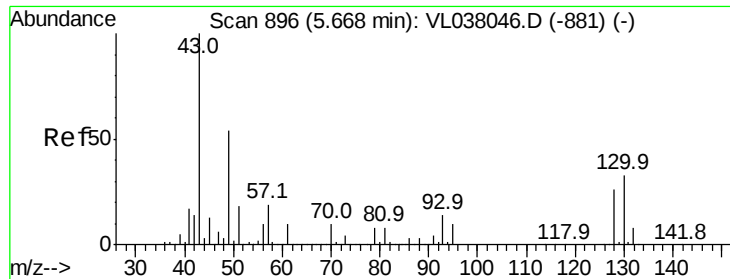
Instrument :
MSVOA_L
ClientSampleId :
57-NEONEYDL

Quant Time: Nov 19 08:27:26 2021
Quant Method : Z:\VOASRV\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

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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 00:22

Tot Ion:

Ion Ratio

49 100

128 48.

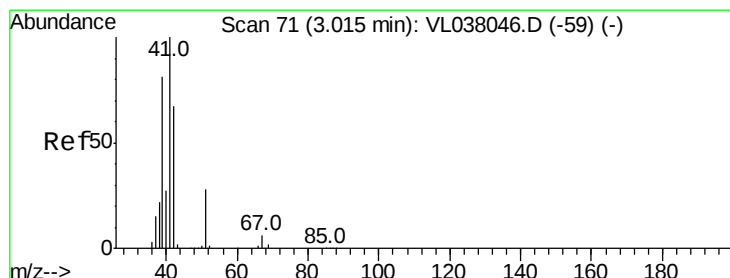
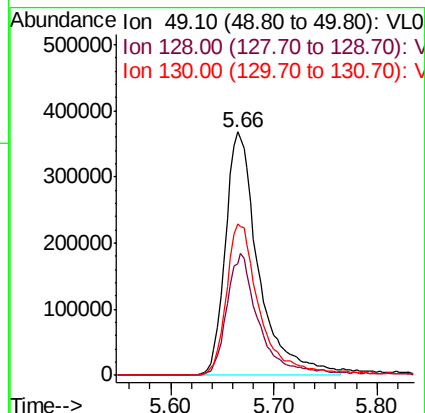
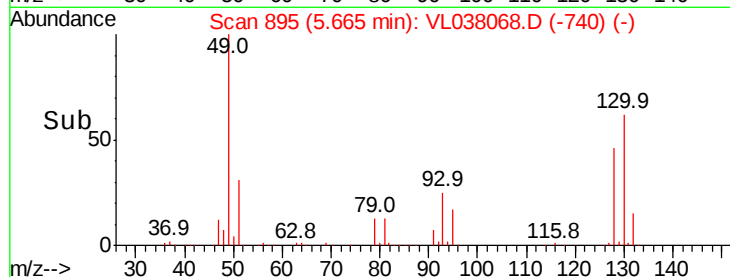
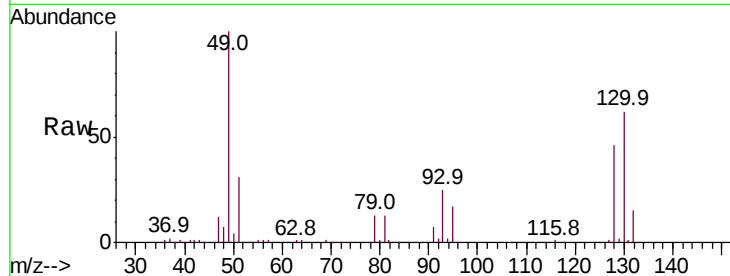
130 63.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#9

Propene

Concen: 7.581 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038068.D

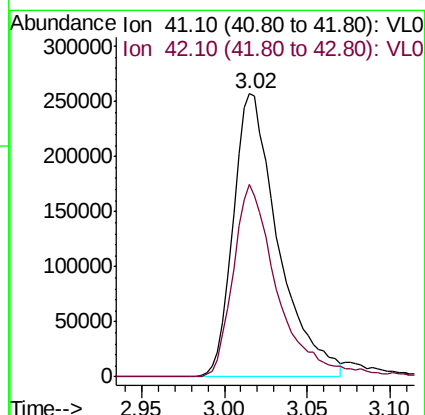
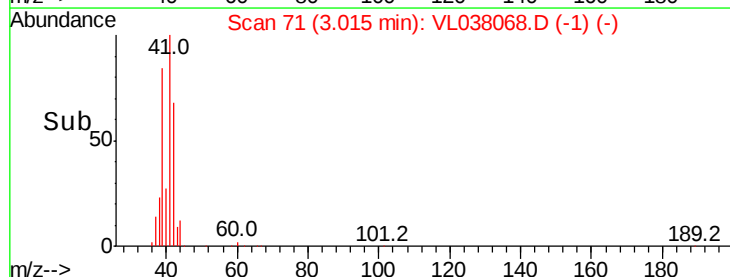
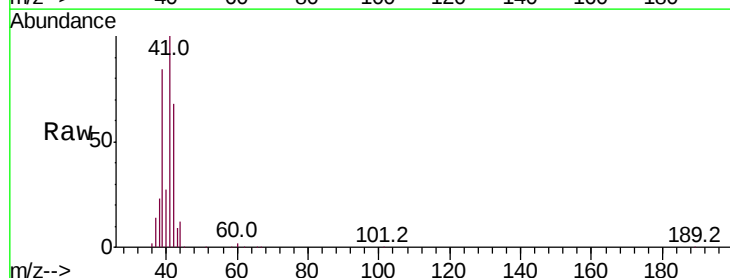
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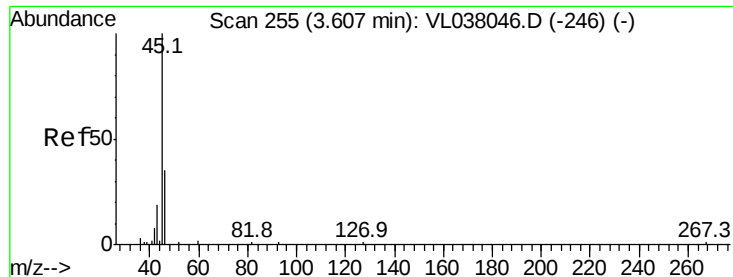
Tgt Ion: 41 Resp: 484390

Ion Ratio Lower Upper

41 100

42 67.7 53.8 80.8





#13

Ethanol

Concen: 3.067 ppbv m

RT: 3.62

Delta R.T.

Lab File:

Acq: 19 Nov 2021 00:22

Instrument:

MSVOA_L

ClientSampleId:

57-NEONEYDL

Manual Integrations

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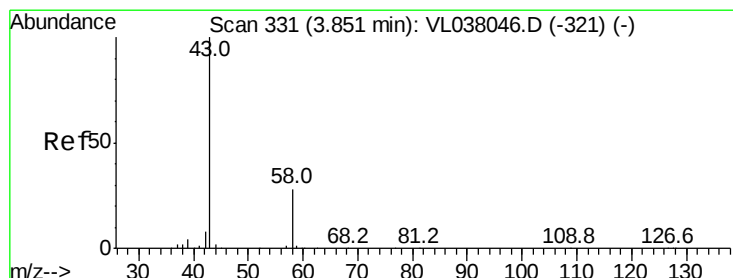
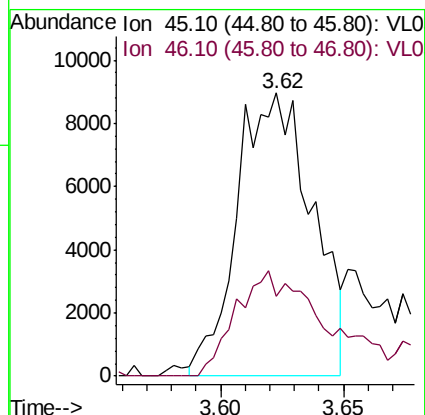
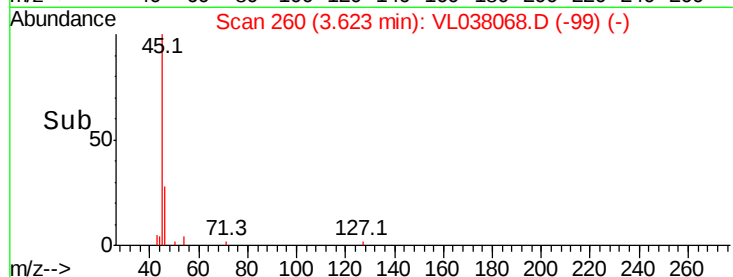
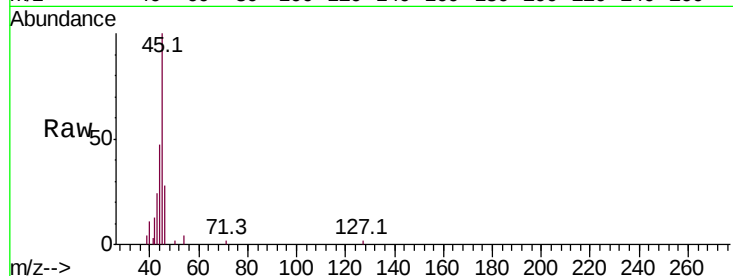
Supervised By :Mahesh Dadoda 11/29/2021

Tot Ion:

Ion Ratio

45 100

46 0.



#15

Acetone

Concen: 21.015 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL038068.D

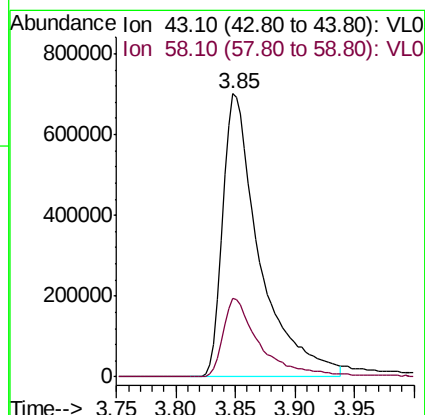
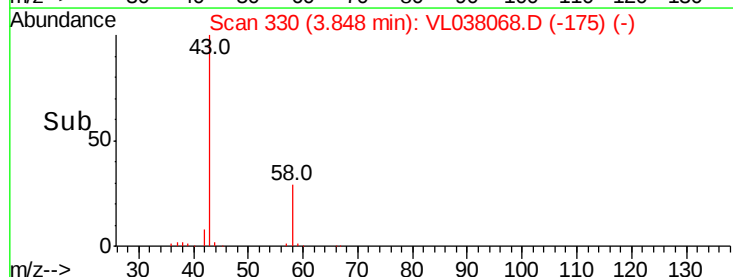
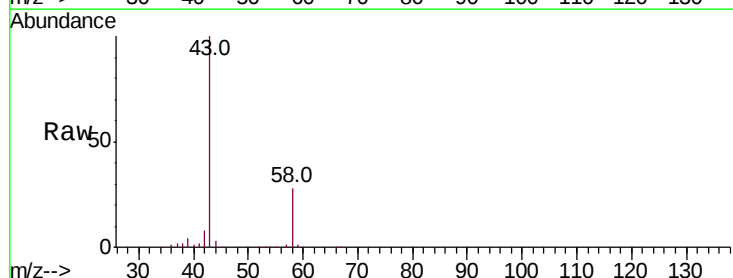
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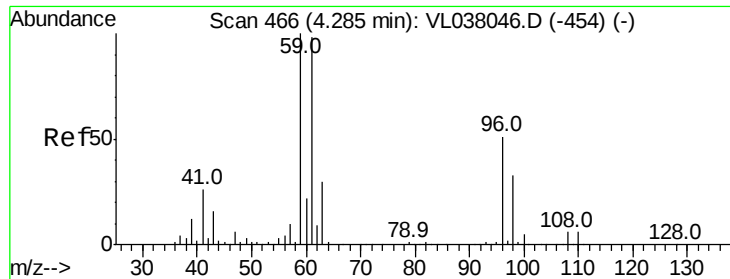
Tgt Ion: 43 Resp: 1505367

Ion Ratio Lower Upper

43 100

58 29.0 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.201 ppbv m

RT: 4.33 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 00:22

Tot Ion:

Ion Ratio

59 100

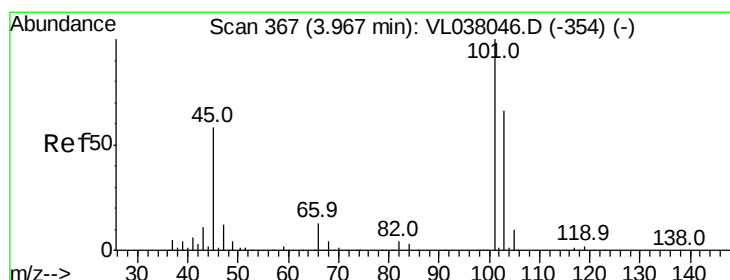
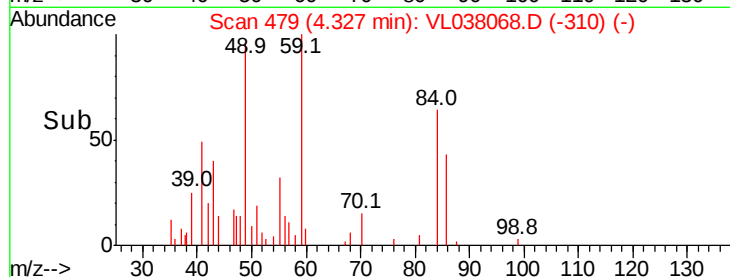
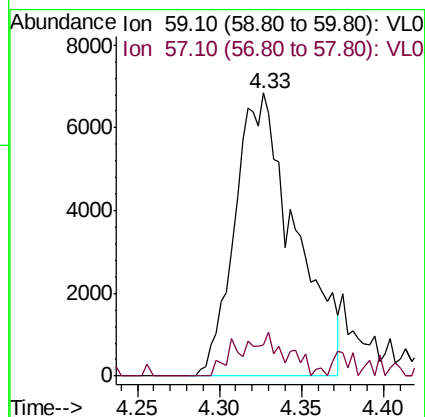
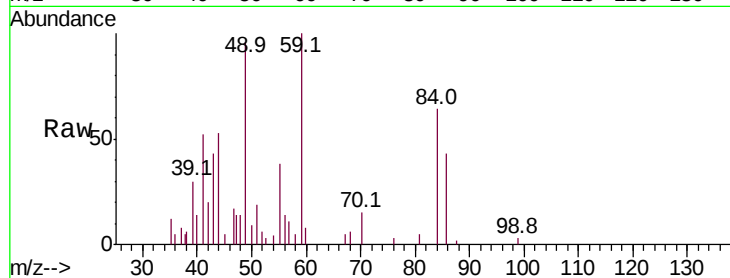
57 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#19

Isopropyl Alcohol

Concen: 0.261 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL038068.D

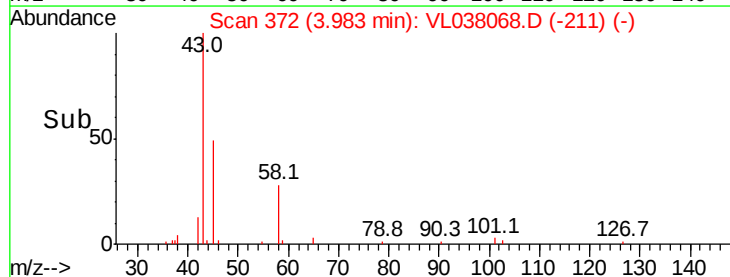
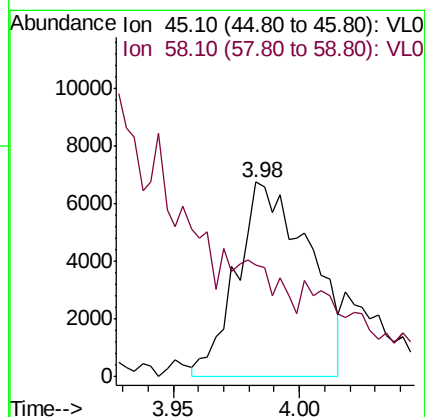
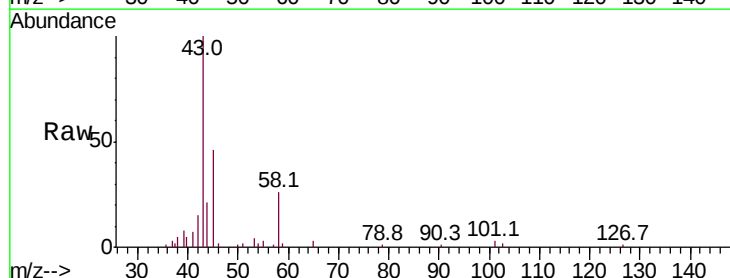
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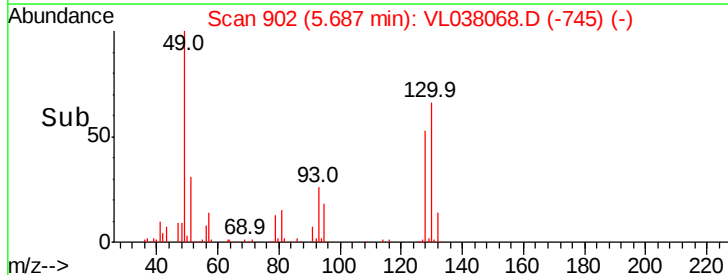
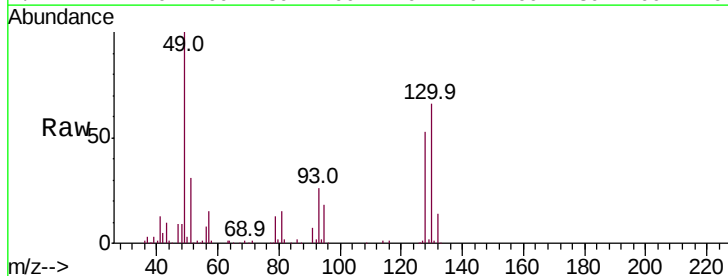
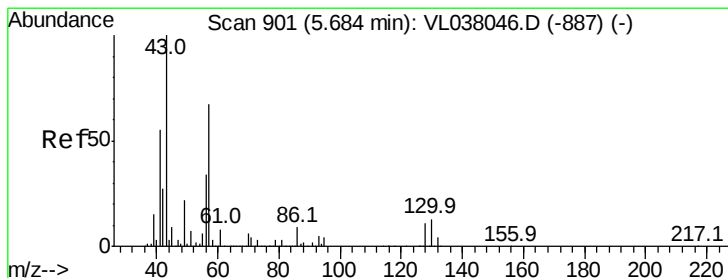
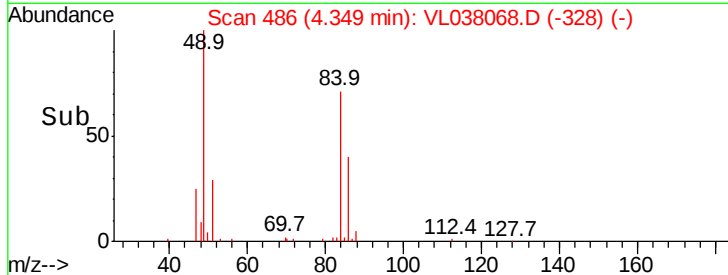
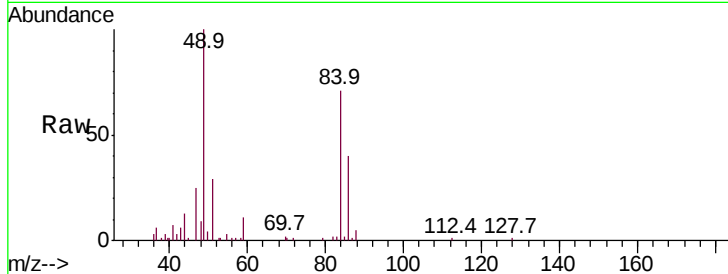
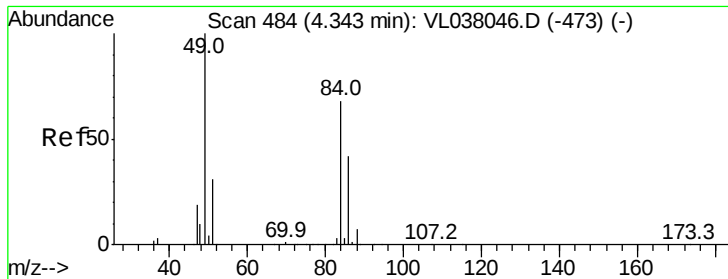
Tgt Ion: 45 Resp: 13497

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



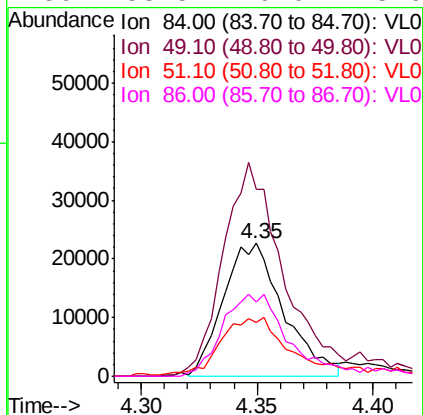


#20
Methvlene Chloride
Concen: 1.018 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 19 Nov 2021 00:22

Tot Ion:
Ion Ratio
84 100
49 135.
51 37.
86 53.5 49.0 73.6

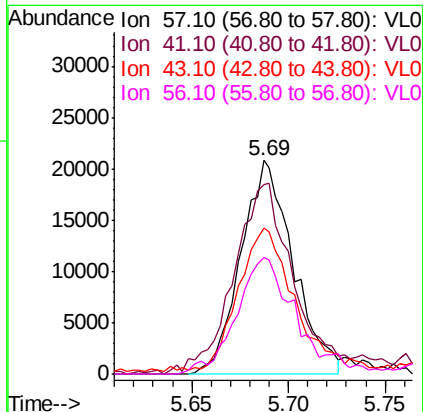
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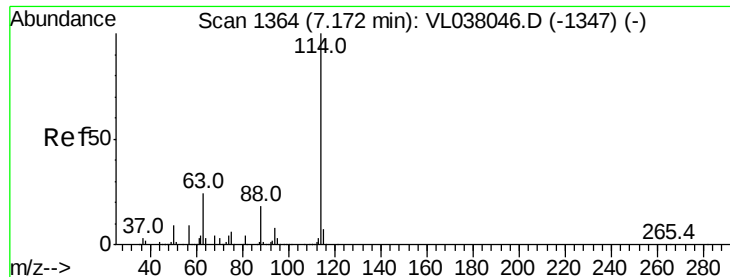
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 0.341 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

Tgt Ion: 57 Resp: 39116
Ion Ratio Lower Upper
57 100
41 107.0 71.4 107.2
43 77.8 174.6 261.8#
56 62.1 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min

Delta R.T. 0.02 min

Lab File: VL038068.D

Acq: 19 Nov 2021 00:22

Tot Ion: 1

Ion Ratio

114 100

63 24.

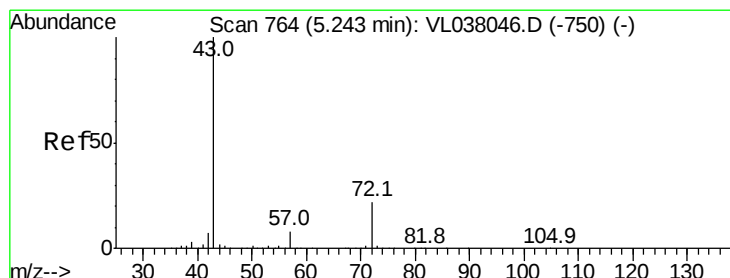
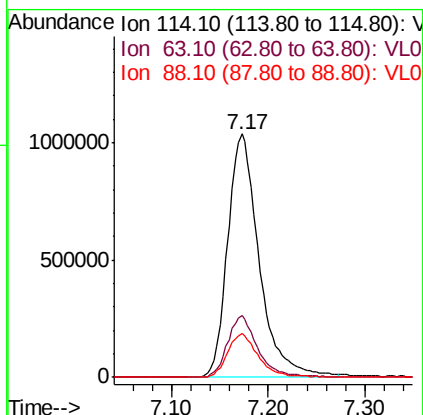
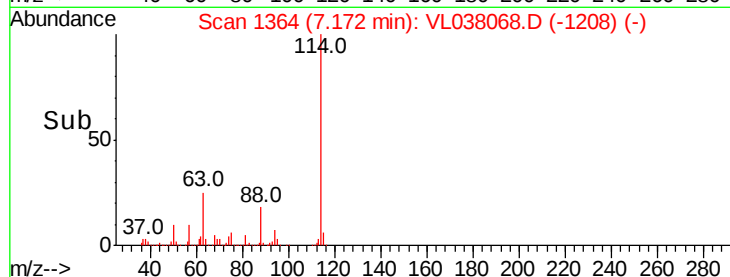
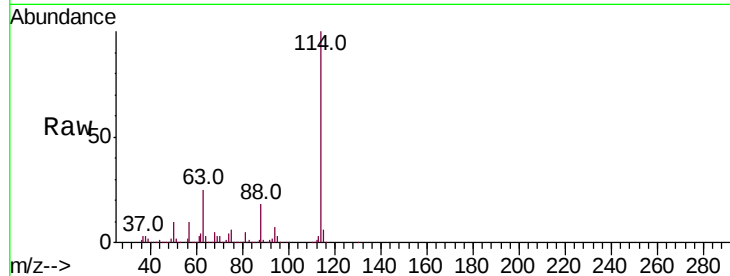
88 18.

Manual Integrations

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Reviewed By : Semsettin Yesilyurt 11/25/2021

Supervised By : Mahesh Dadoda 11/29/2021



#34

2-Butanone

Concen: 0.671 ppbv m

RT: 5.26 min Scan# 770

Delta R.T. 0.02 min

Lab File: VL038068.D

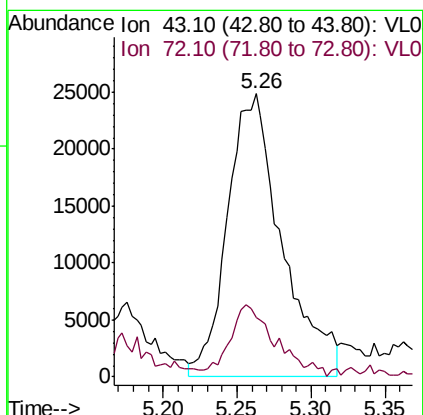
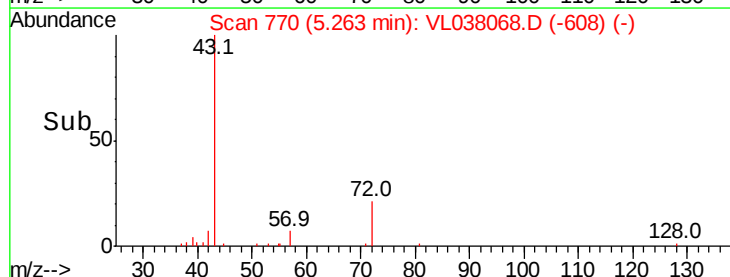
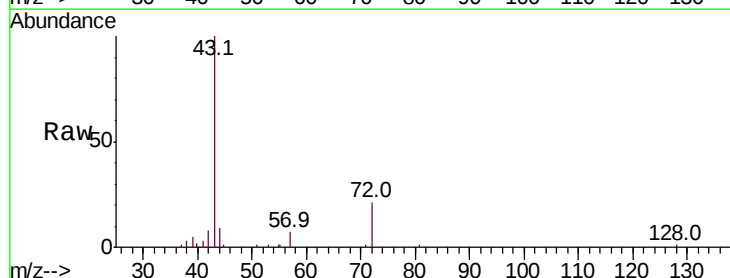
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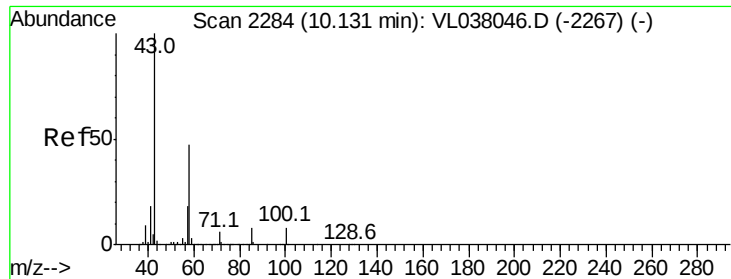
Tgt Ion: 43 Resp: 63494

Ion Ratio Lower Upper

43 100

72 22.2 18.8 28.2



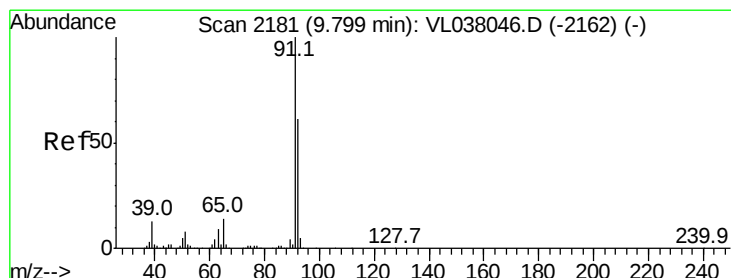
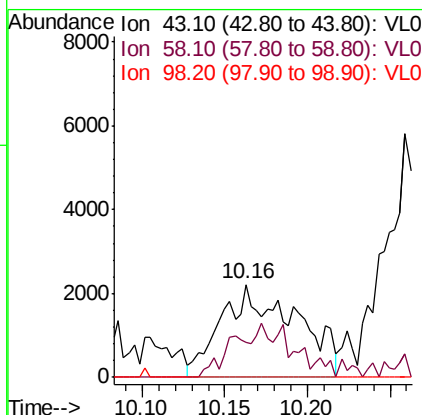
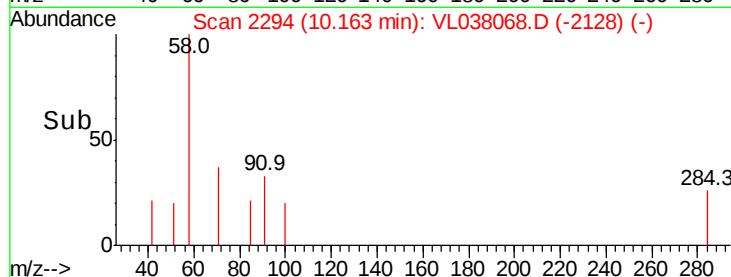
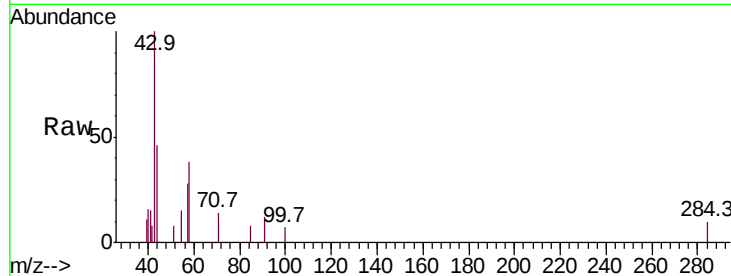


#51
2-Hexanone
Concen: 0.103 ppbv m
RT: 10.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 00:22

Tot Ion:
Ion Ratio
43 100
58 0.
98 0.

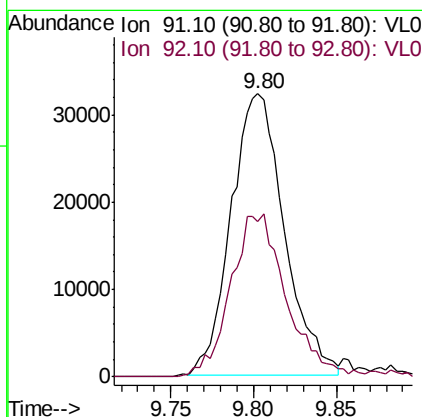
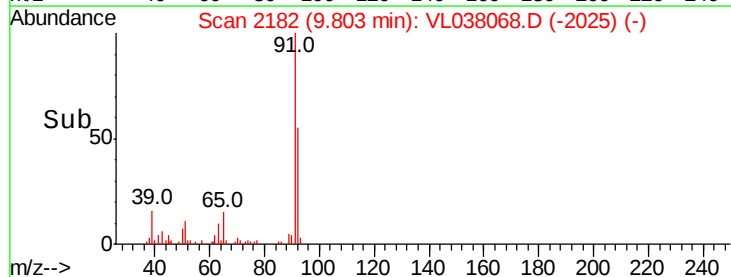
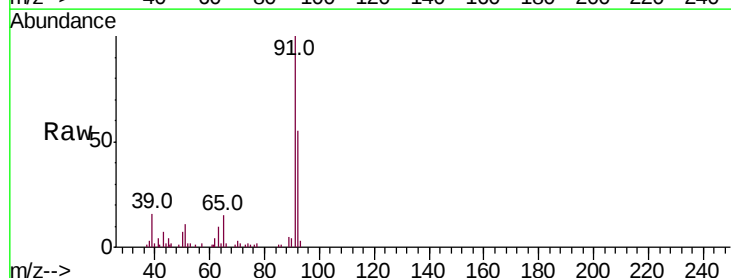
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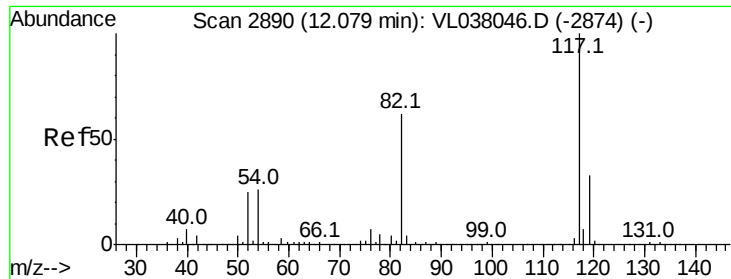
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#53
Toluene
Concen: 0.266 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.00 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

Tgt Ion: 91 Resp: 71705
Ion Ratio Lower Upper
91 100
92 61.8 49.7 74.5



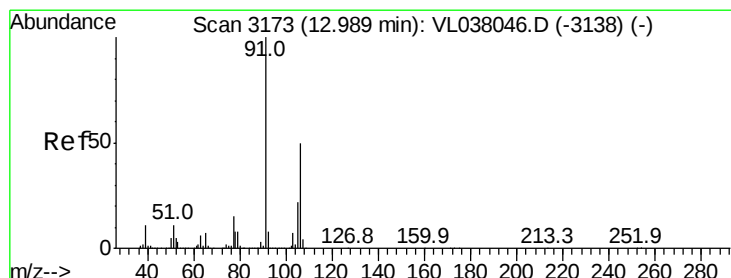
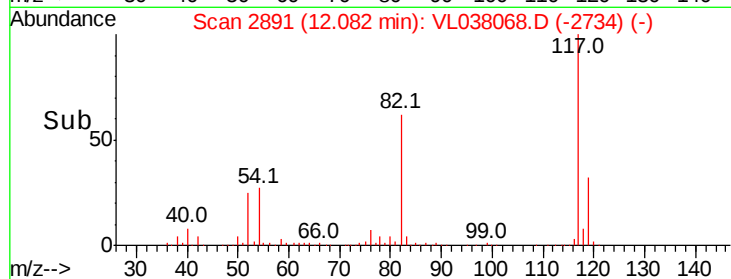
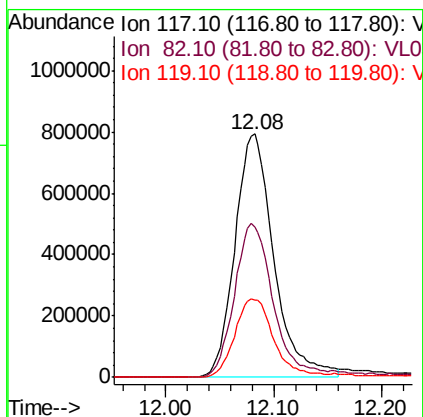
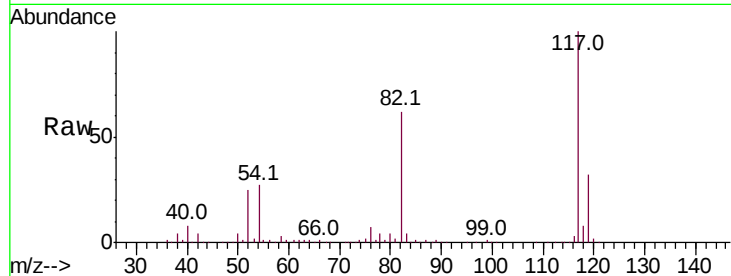


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 00:22

Tot Ion: 1
Ion Ratio
117 100
82 66.
119 34.

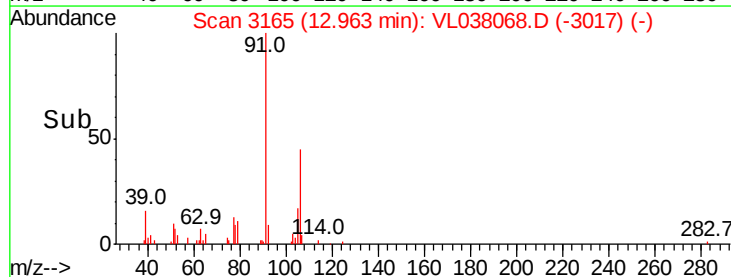
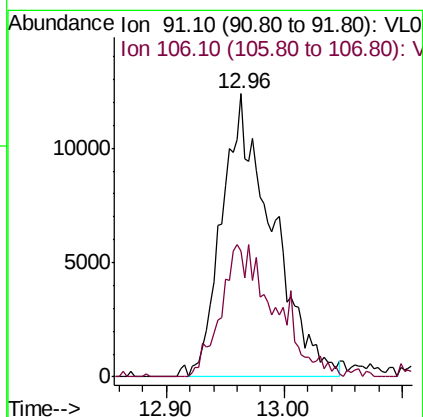
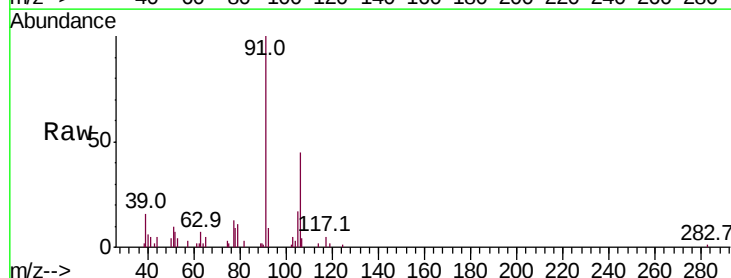
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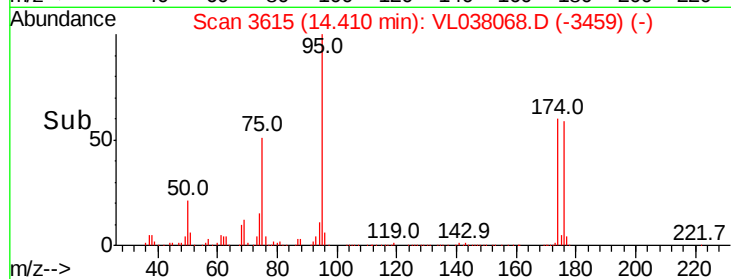
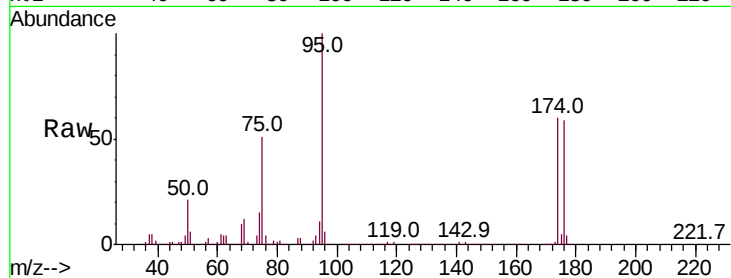
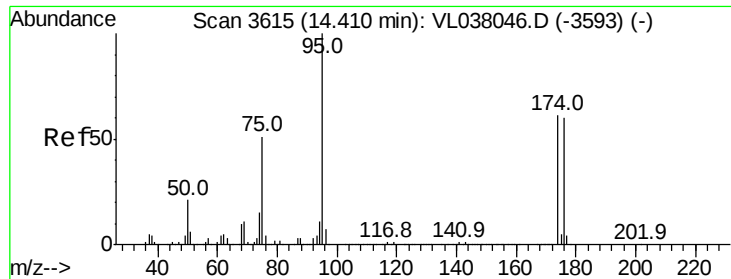
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#59
m/p-Xylene
Concen: 0.130 ppbv m
RT: 12.96 min Scan# 3165
Delta R.T. -0.03 min
Lab File: VL038068.D
Acq: 19 Nov 2021 00:22

Tgt Ion: 91 Resp: 36218
Ion Ratio Lower Upper
91 100
106 0.0 38.1 57.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 19 Nov 2021 00.22

Tot Ion:

Ion Ratio

95 100

174 66.

175 4.

Manual Integrations

APPROVED

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