

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038172.D
 Acq On : 14 Dec 2021 18:45
 Operator : SY/AP
 Sample : M5045-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18BDL

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/15/2021
 Supervised By :Semsettin Yesilyurt 12/16/2021

Quant Time: Dec 15 06:25:08 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	5.63	49	1068743	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2793149	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2438960	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1873937	10.65	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	432331m	54.124	ppbv	
15) Acetone	3.83	43	56249m	0.607	ppbv	
19) Isopropyl Alcohol	3.94	45	152243m	2.274	ppbv	
20) Methylene Chloride	4.31	84	56814	1.095	ppbv	96
25) Ethyl Acetate	5.65	43	95853	0.311	ppbv #	94
26) Hexane	5.65	57	53510	0.360	ppbv #	85
38) Trichloroethene	7.77	130	4979m	0.047	ppbv	

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

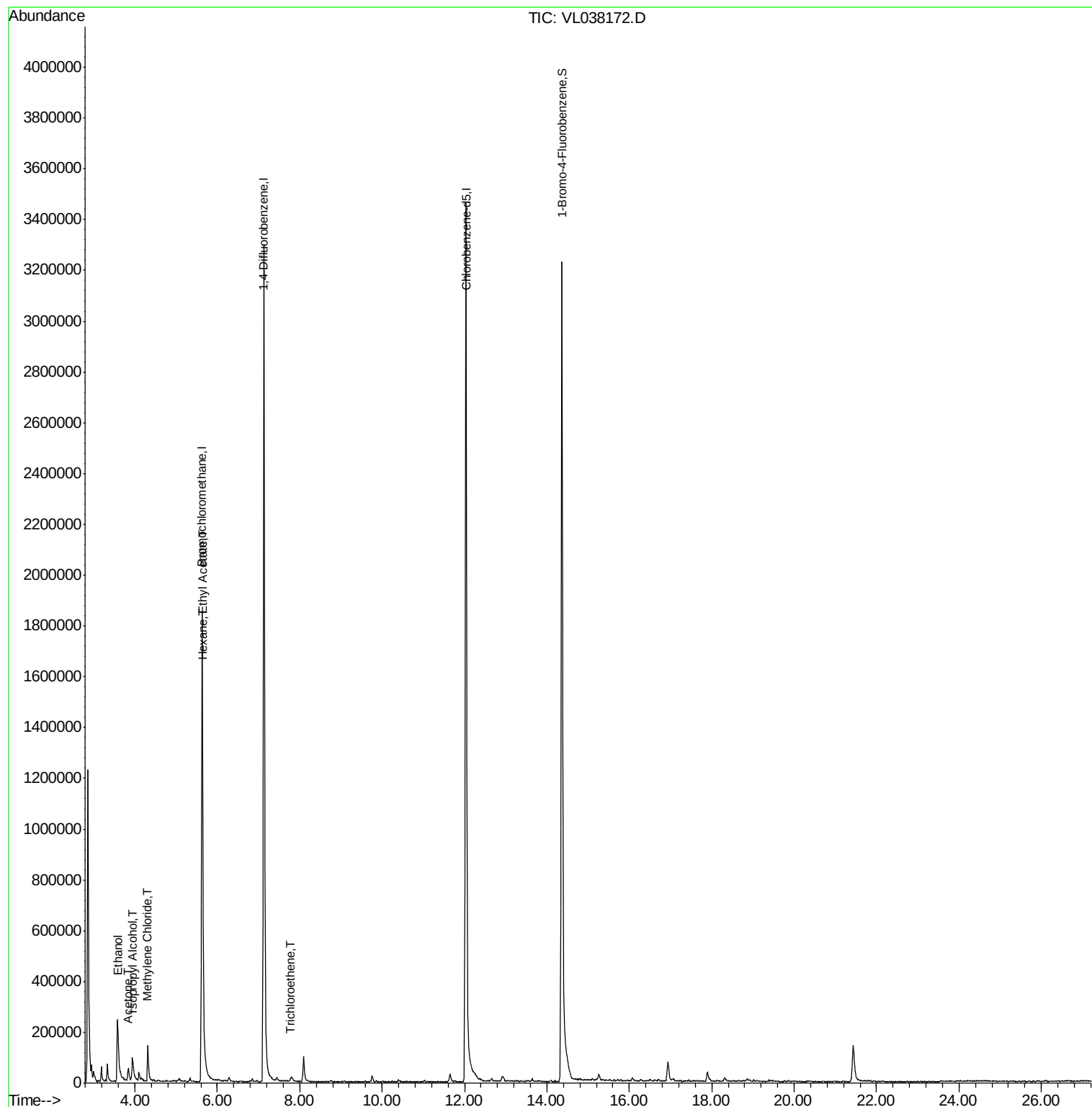
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121421\
Data File : VL038172.D
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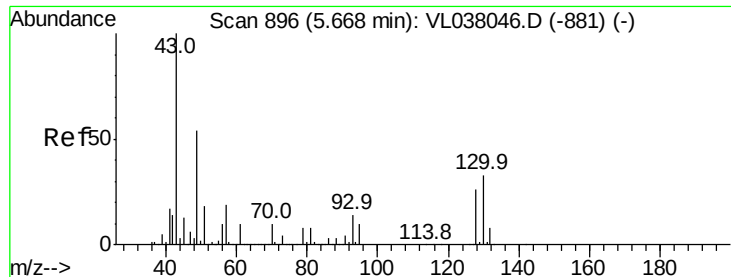
Instrument :
MSVOA_L
ClientSampleId :
IA-18BDL

Manual Integrations
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Quant Time: Dec 15 06:25:08 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 18:45

Tot Ion:

Ion Ratio

49 100

128 47.

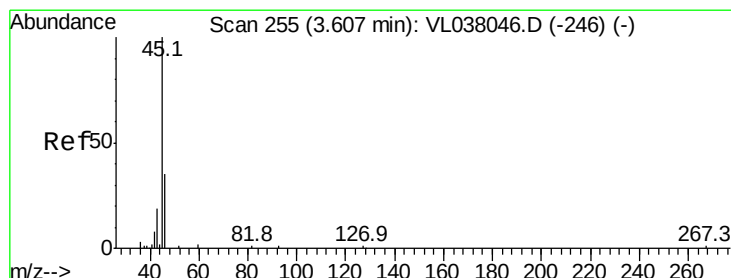
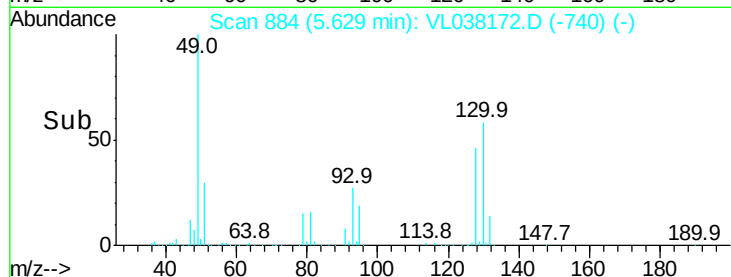
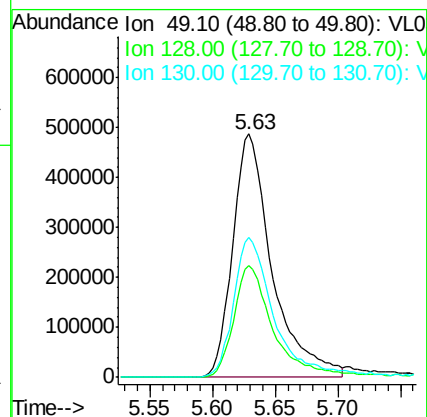
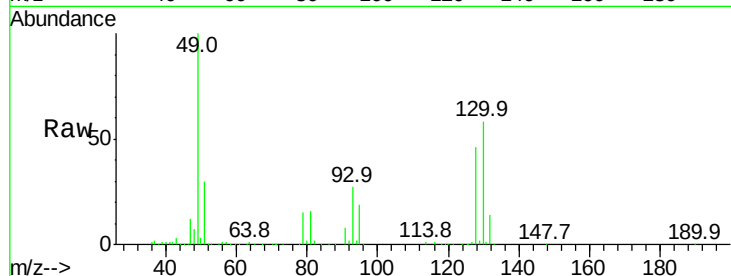
130 60.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

Supervised By :Semsettin Yesilyurt 12/16/2021



#13

Ethanol

Concen: 54.124 ppbv m

RT: 3.58 min Scan# 246

Delta R.T. -0.03 min

Lab File: VL038172.D

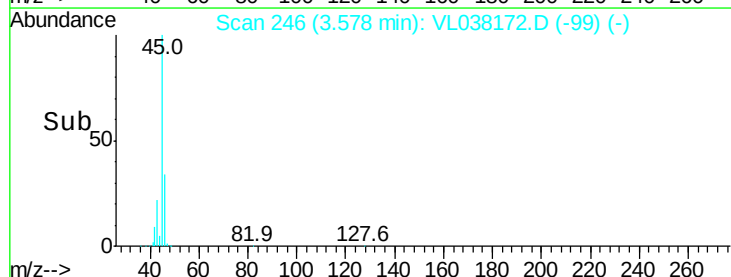
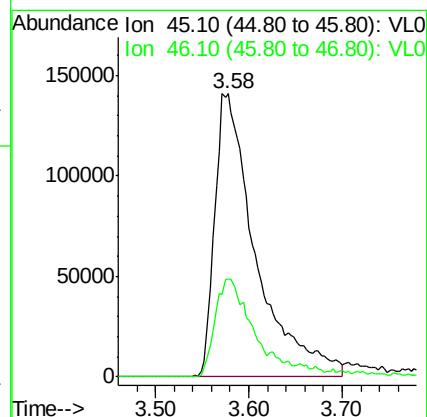
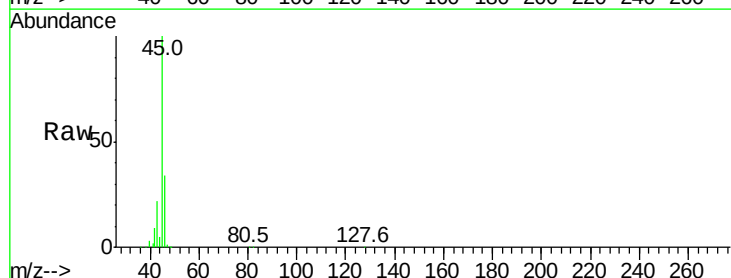
Acq: 14 Dec 2021 18:45

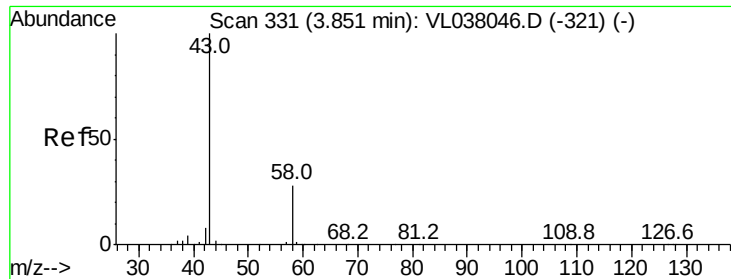
Tgt Ion: 45 Resp: 432331

Ion Ratio Lower Upper

45 100

46 34.8 17.6 70.2





#15

Acetone

Concen: 0.607 ppbv m

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 18:45

Tot Ion:

Ion Ratio

43 100

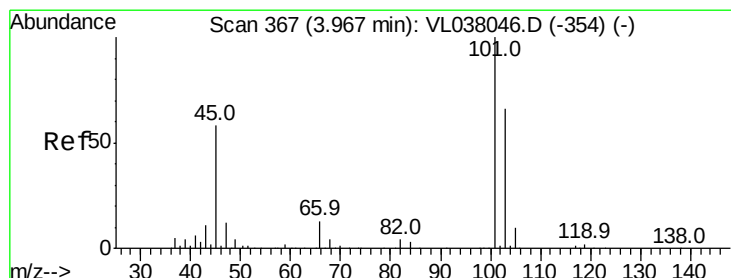
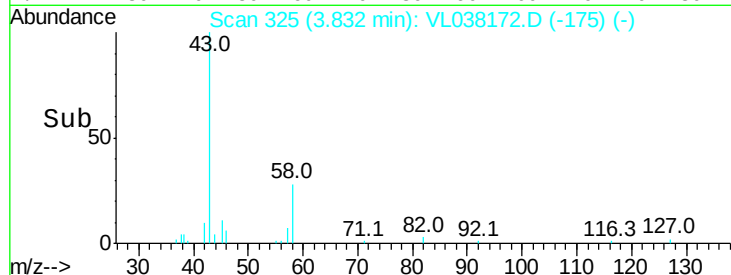
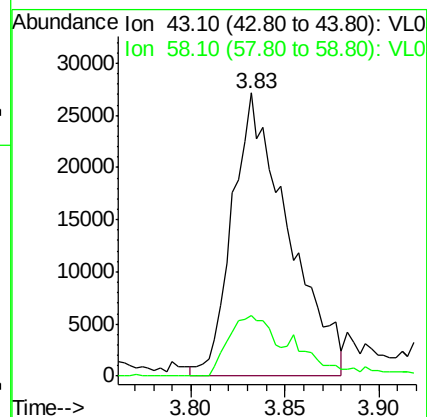
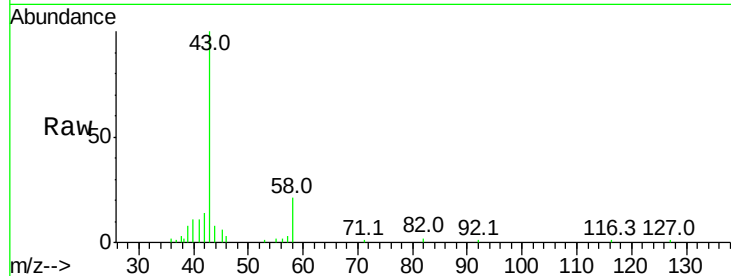
58 24.

Manual Integrations

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Reviewed By :Amit Patel 12/15/2021

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#19

Isopropyl Alcohol

Concen: 2.274 ppbv m

RT: 3.94 min Scan# 359

Delta R.T. -0.03 min

Lab File: VL038172.D

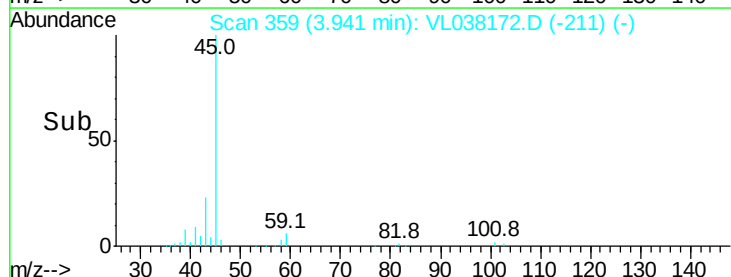
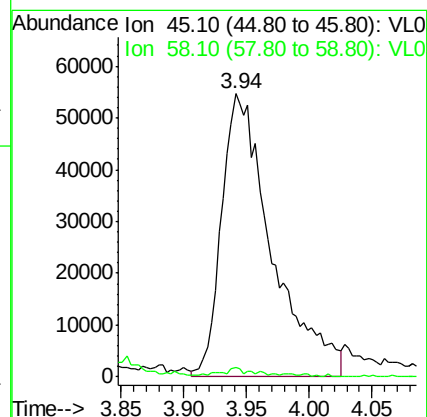
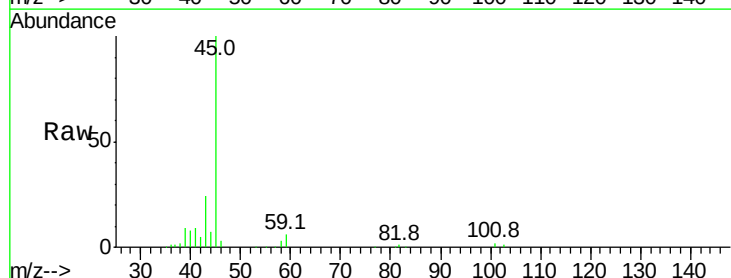
Acq: 14 Dec 2021 18:45

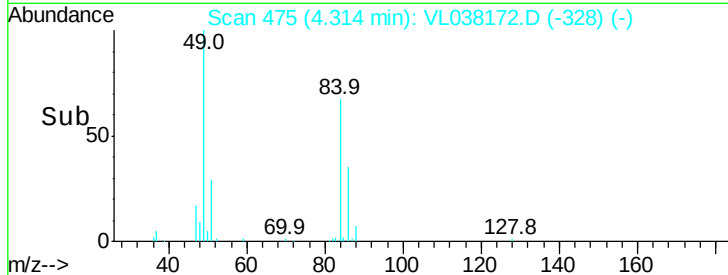
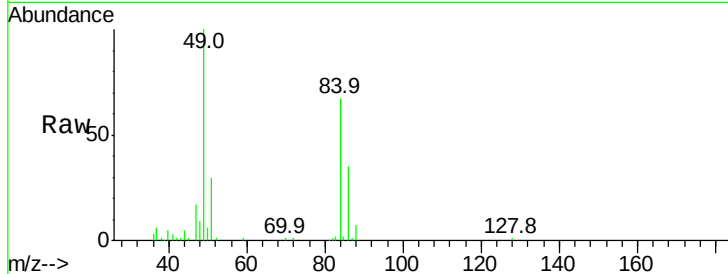
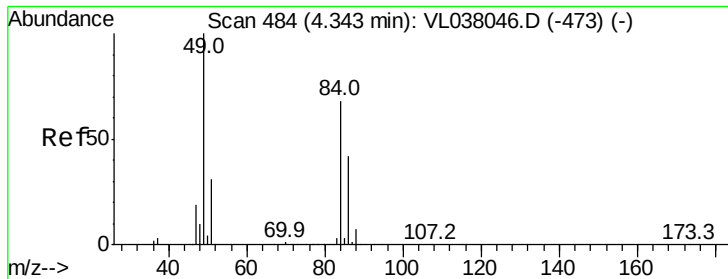
Tgt Ion: 45 Resp: 152243

Ion Ratio Lower Upper

45 100

58 3.0 1.4 2.0#



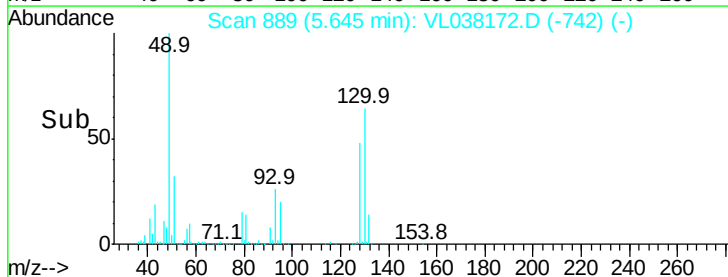
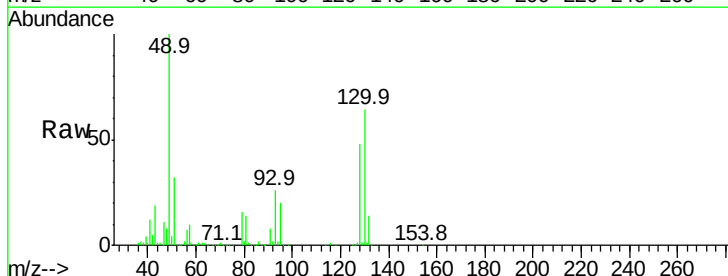
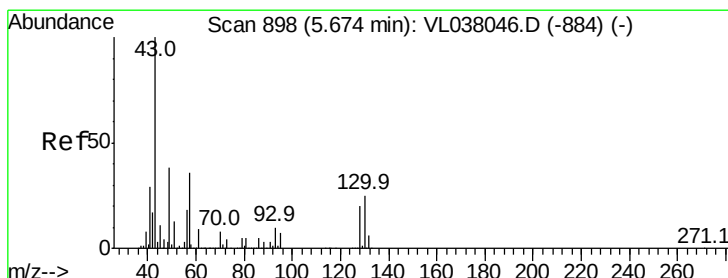
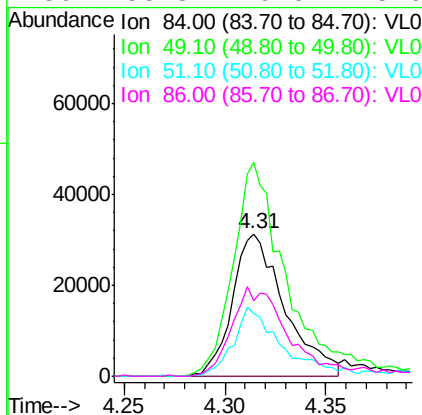


#20
Methvlene Chloride
Concen: 1.095 ppbv
RT: 4.31
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 18:45

Tot Ion:
Ion Ratio
84 100
49 149.
51 44.
86 53.3 49.0 73.6

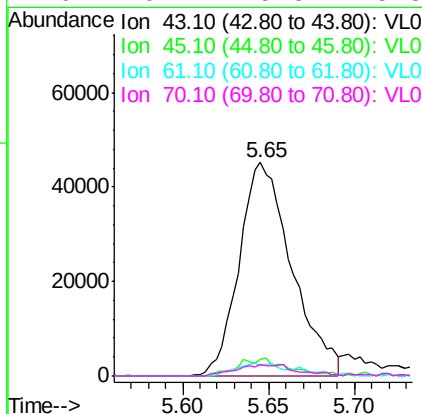
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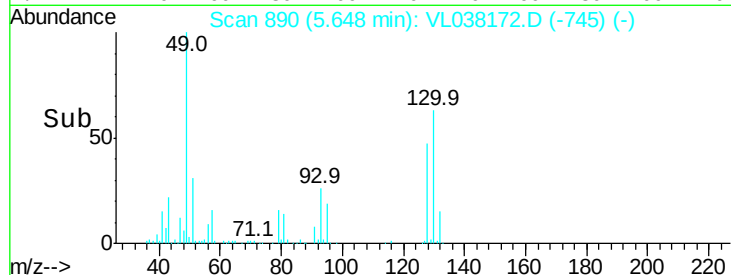
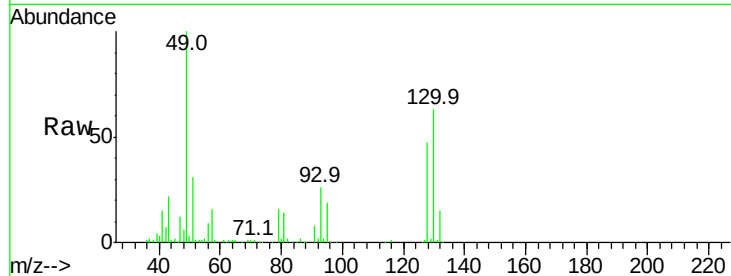
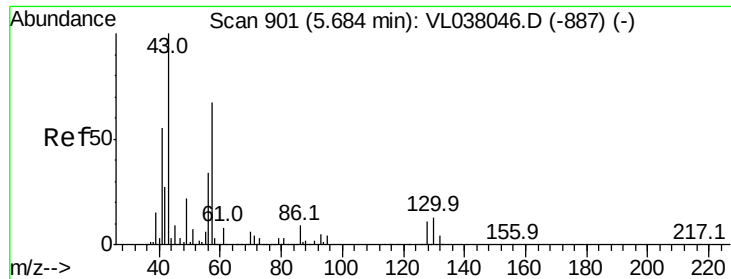
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#25
Ethyl Acetate
Concen: 0.311 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.03 min
Lab File: VL038172.D
Acq: 14 Dec 2021 18:45

Tgt Ion: 43 Resp: 95853
Ion Ratio Lower Upper
43 100
45 8.0 7.9 11.9
61 6.9 7.8 11.6#
70 6.1 5.8 8.8



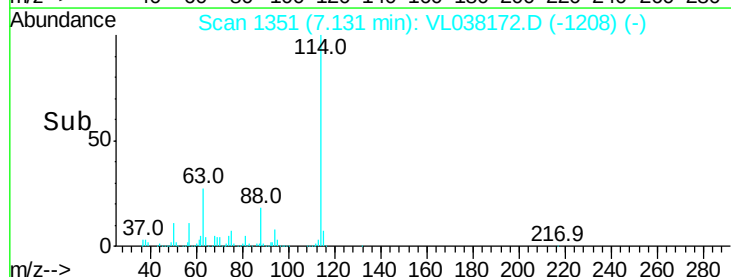
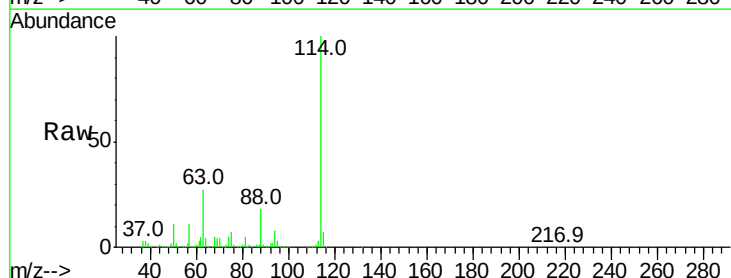
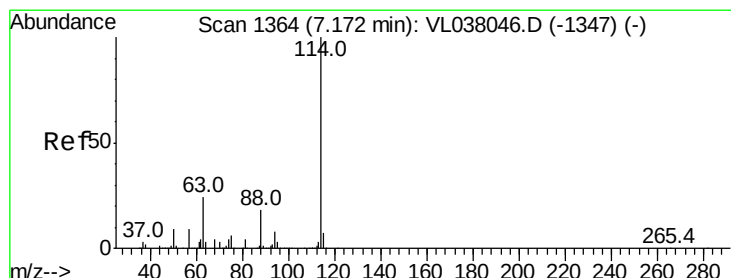
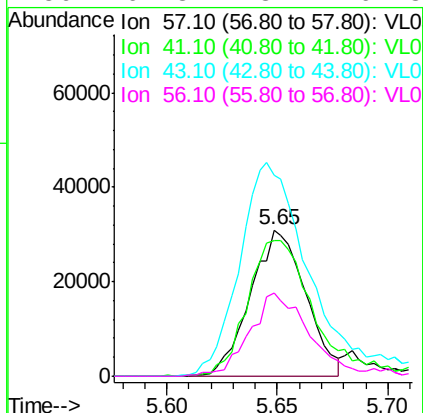


#26
Hexane
Concen: 0.360 ppbv
RT: 5.65
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 14 Dec 2021 18:45

Tot Ion:
Ion Ratio
57 100
41 115.
43 201.
56 64.3 43.2 64.8

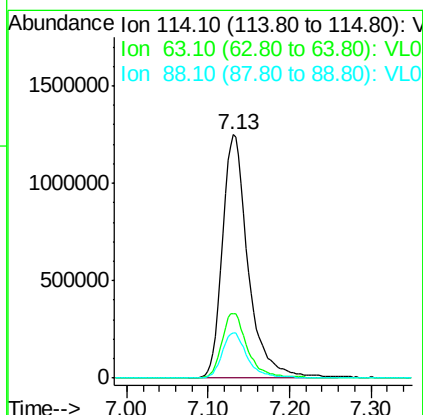
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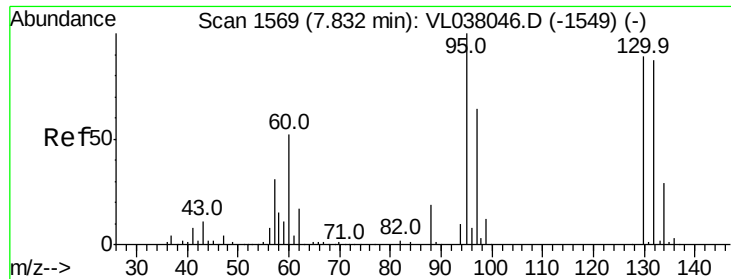
Reviewed By :Amit Patel 12/15/2021
Supervised By :Semsettin Yesilyurt 12/16/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.04 min
Lab File: VL038172.D
Acq: 14 Dec 2021 18:45

Tgt Ion:114 Resp: 2793149
Ion Ratio Lower Upper
114 100
63 27.0 19.7 29.5
88 18.7 14.4 21.6





#38

Trichloroethene

Concen: 0.047 ppbv m

RT: 7.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 18:45

Tot Ion:1

Ion Ratio

130 100

95 90.

132 39.

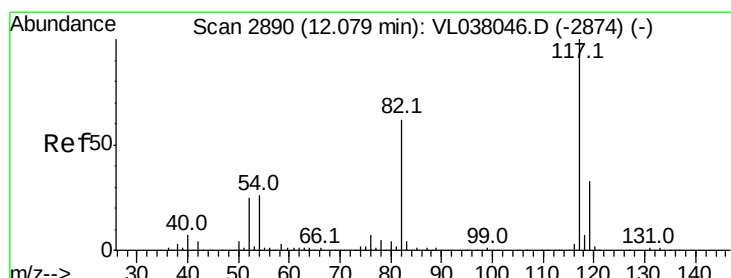
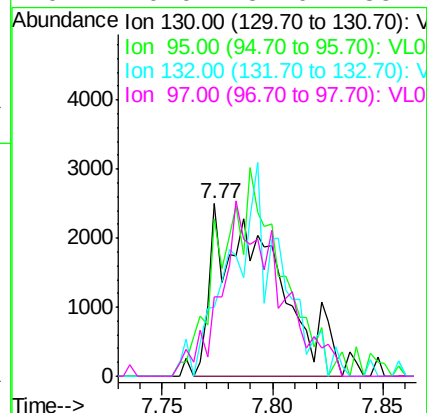
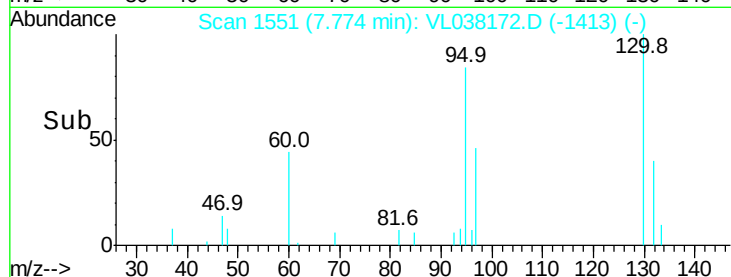
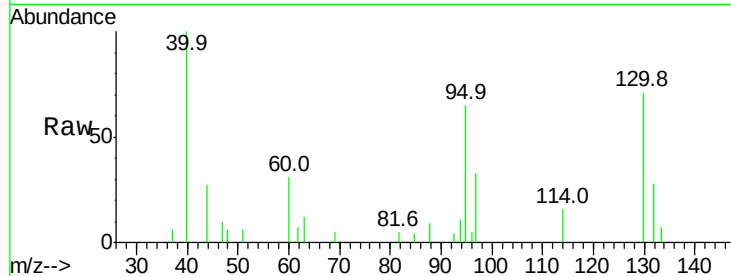
97 46.0 57.0 85.4#

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.03 min Scan# 2876

Delta R.T. -0.04 min

Lab File: VL038172.D

Acq: 14 Dec 2021 18:45

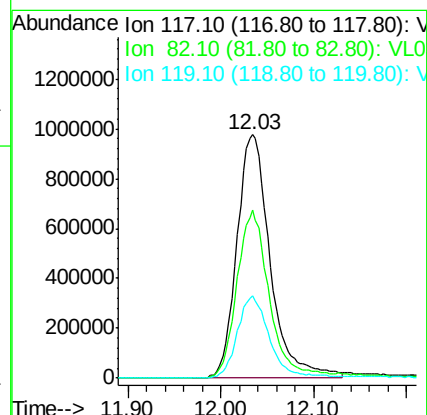
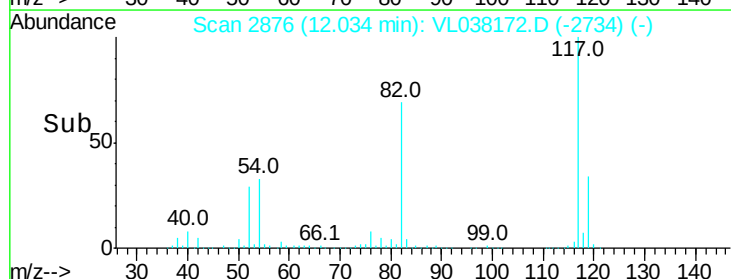
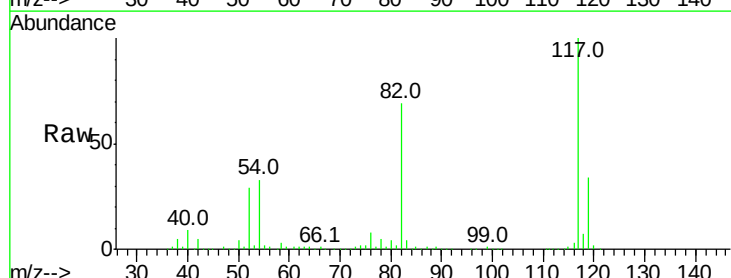
Tgt Ion:117 Resp: 2438960

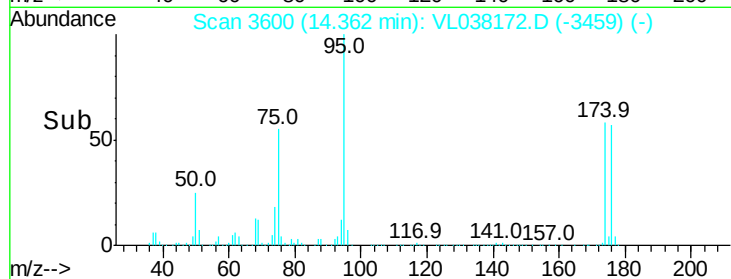
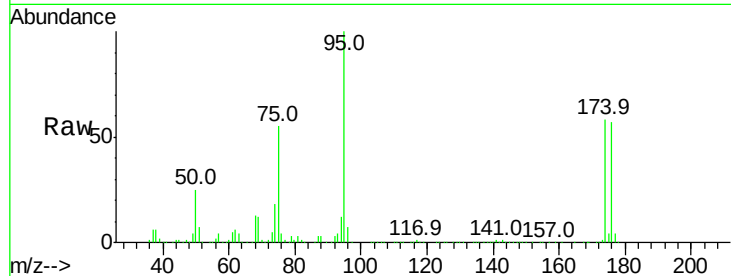
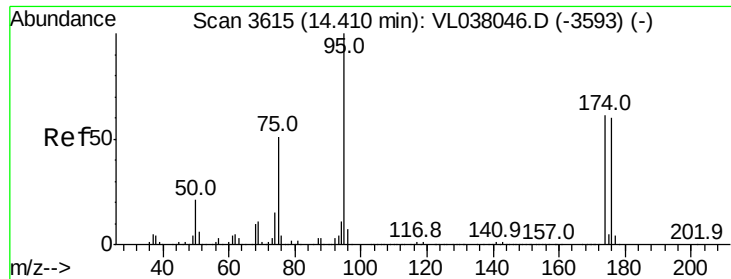
Ion Ratio Lower Upper

117 100

82 70.9 52.8 79.2

119 33.2 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.652 ppbv

RT: 14.36

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 18:45

Tot Ion:

Ion Ratio

95 100

174 62.

175 4.

Manual Integrations

APPROVED

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