

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038158.D
 Acq On : 7 Dec 2021 20:02
 Operator : SY/AP
 Sample : M4897-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 02:36:13 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	5.65	49	764452	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2217683	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	1893394	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1588604	11.63	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	54904m	9.609	ppbv	
15) Acetone	3.86	43	168299	2.539	ppbv #	86
19) Isopropyl Alcohol	3.98	45	54586m	1.140	ppbv	
20) Methylene Chloride	4.34	84	28942m	0.780	ppbv	
23) Vinyl Acetate	5.07	43	121789m	1.269	ppbv	
25) Ethyl Acetate	5.67	43	116973	0.531	ppbv #	80
26) Hexane	5.68	57	159878m	1.506	ppbv	

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

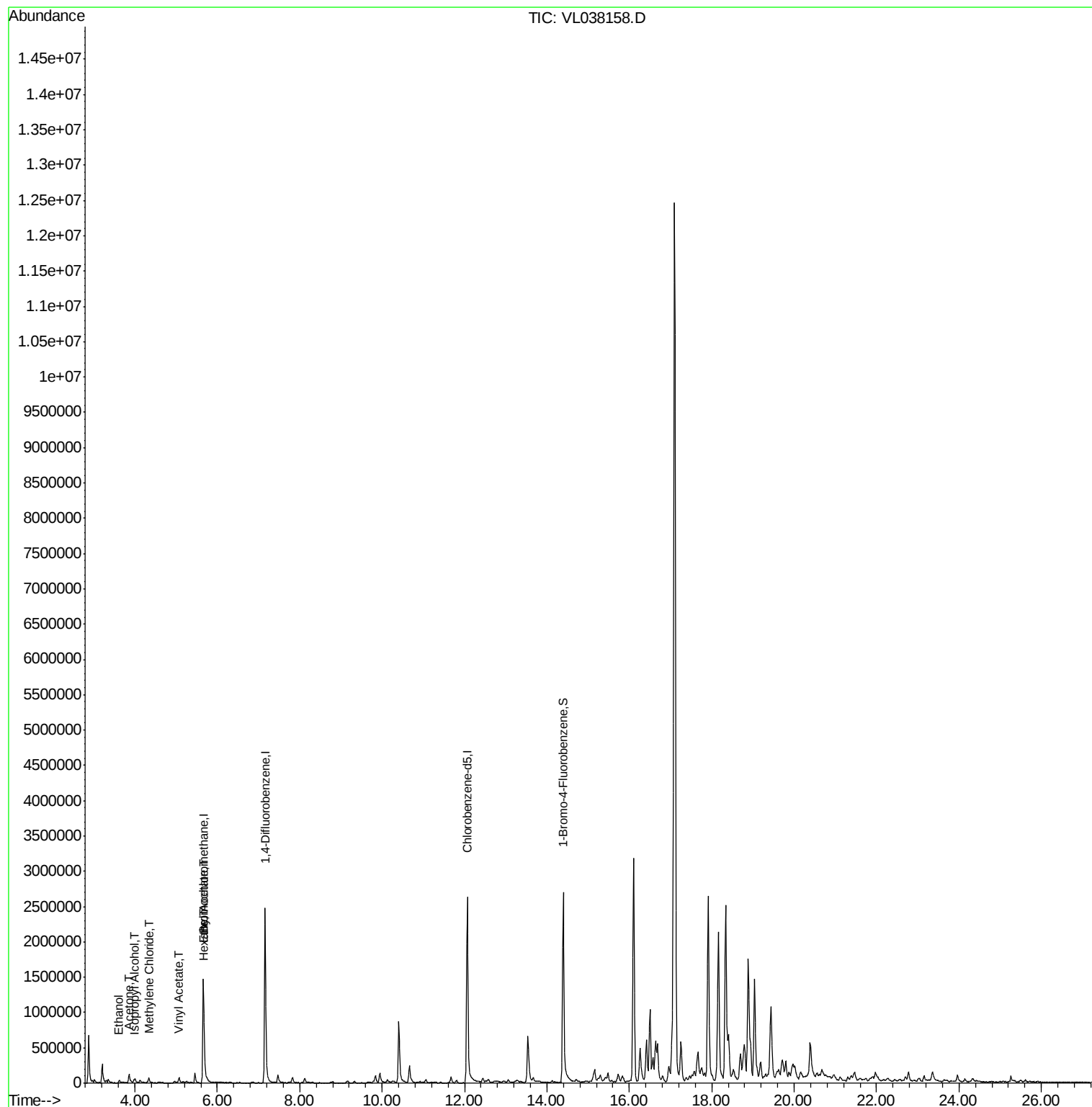
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120721\
Data File : VL038158.D
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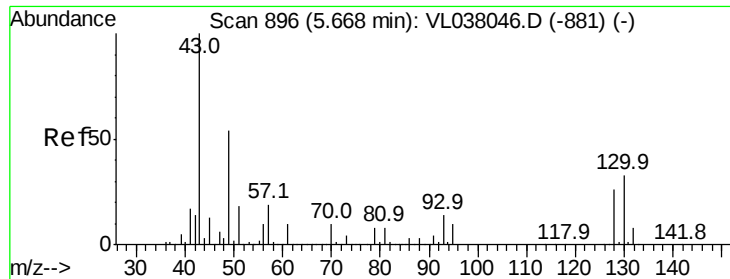
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 20:02 SV-1DL

Tot Ion:

Ion Ratio

49 100

128 50.

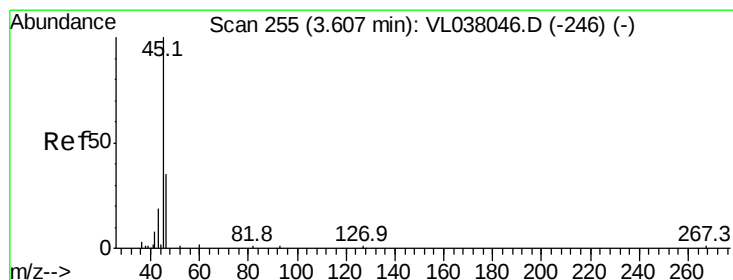
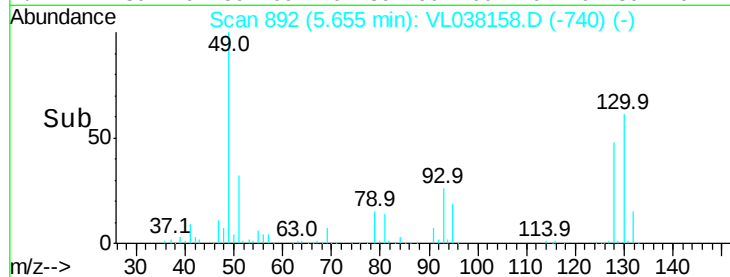
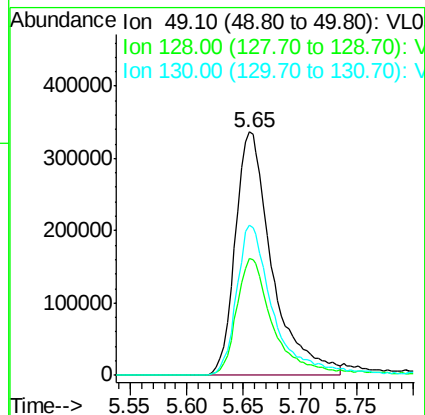
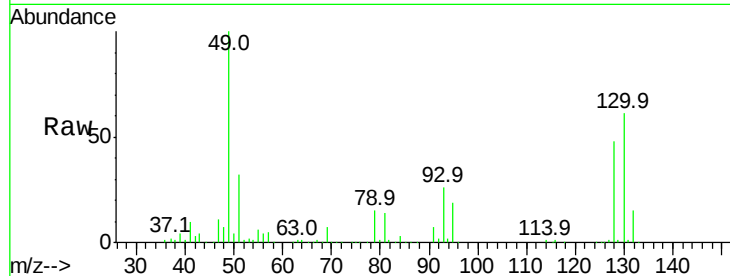
130 62.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#13

Ethanol

Concen: 9.609 ppbv m

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL038158.D

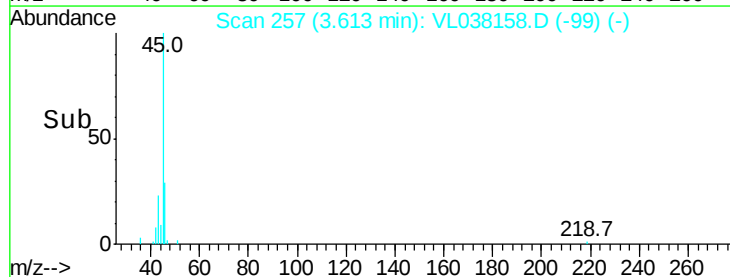
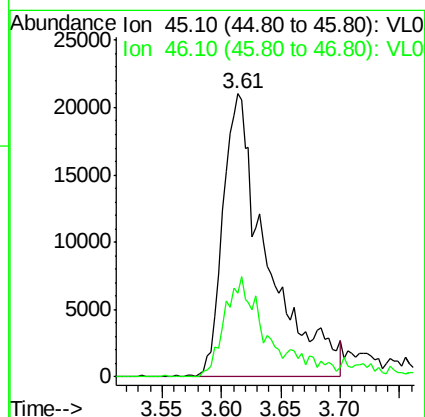
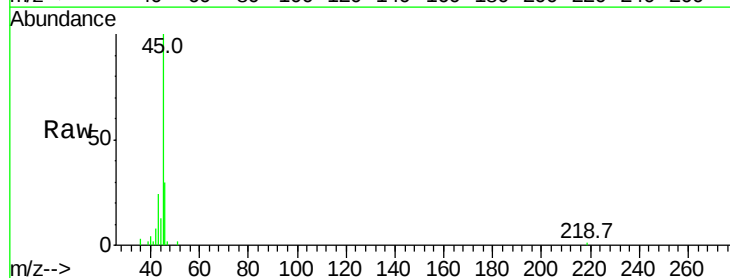
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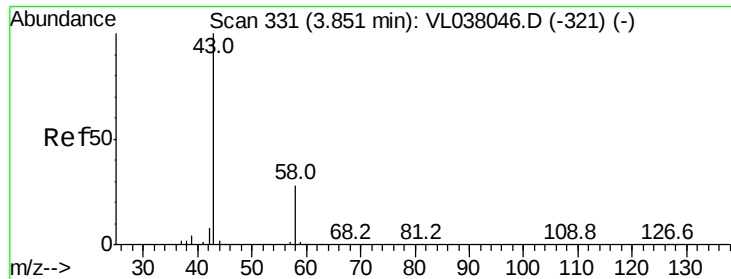
Tgt Ion: 45 Resp: 54904

Ion Ratio Lower Upper

45 100

46 34.8 17.6 70.2



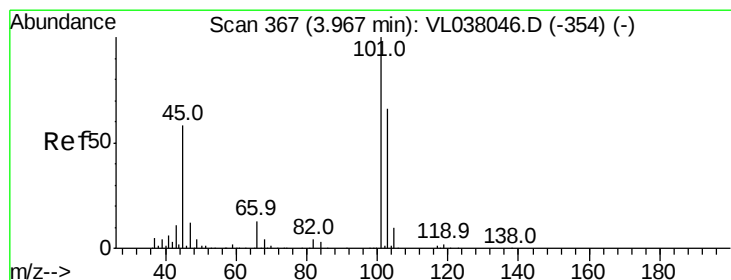
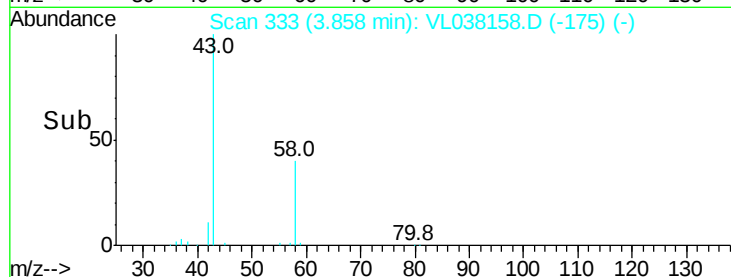
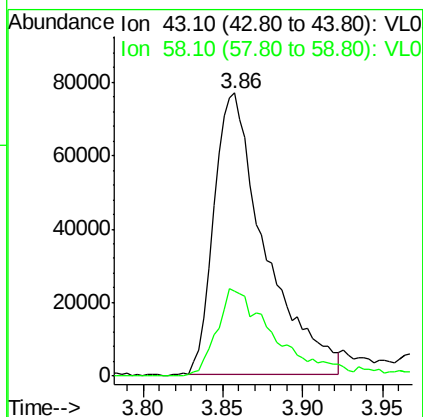
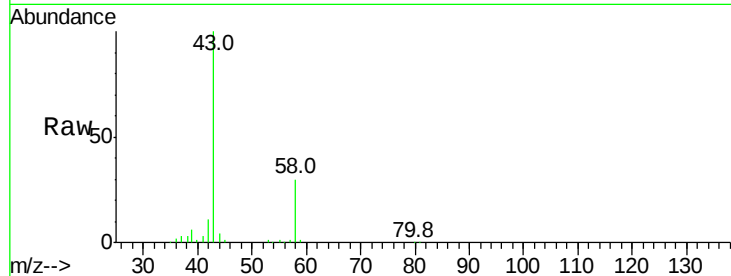


#15
Acetone
Concen: 2.539 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Dec 2021 20:02

Tot Ion:
Ion Ratio
43 100
58 35.

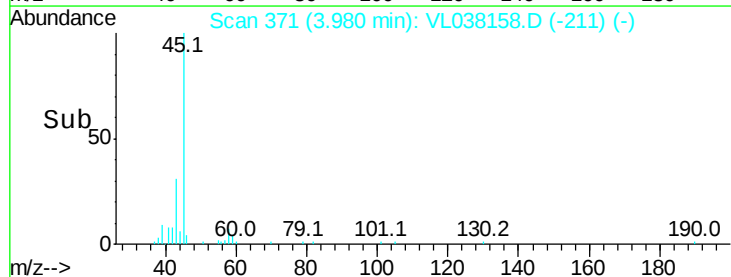
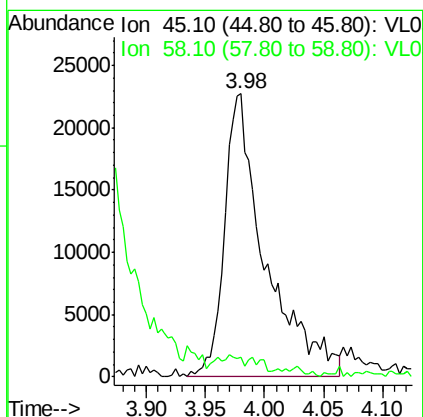
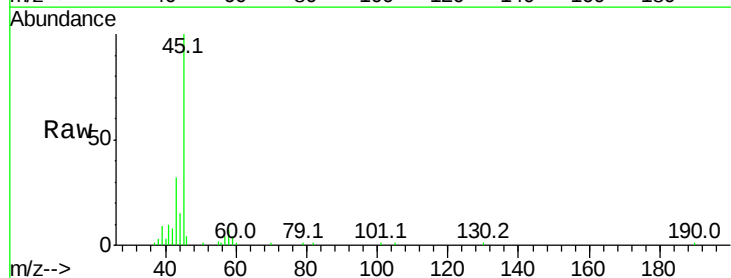
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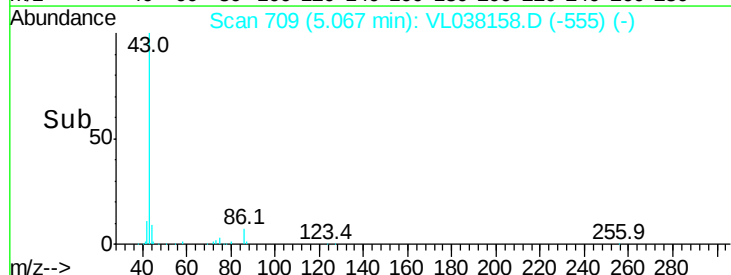
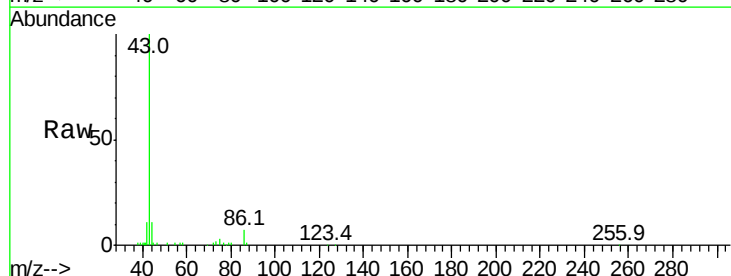
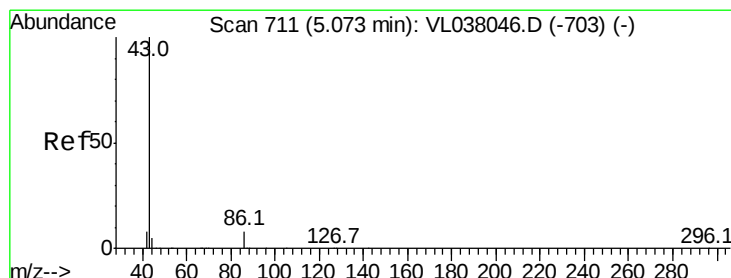
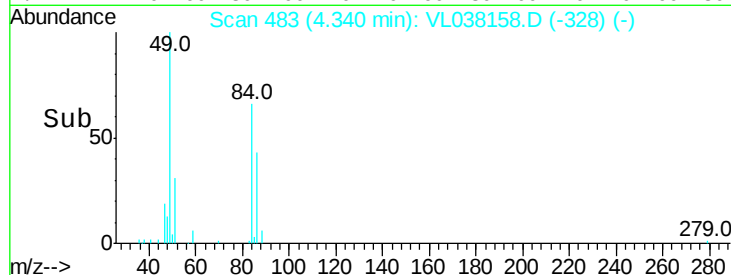
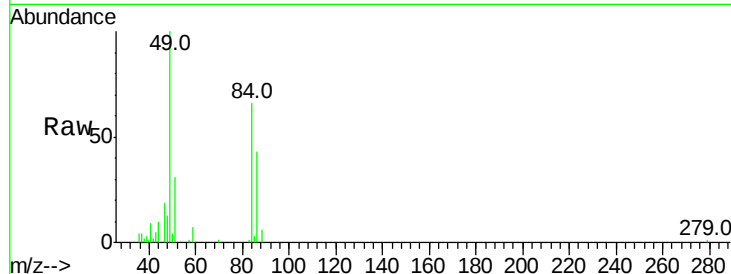
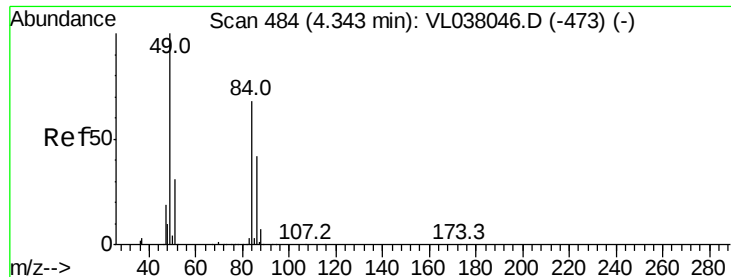
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#19
Isopropyl Alcohol
Concen: 1.140 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL038158.D
Acq: 7 Dec 2021 20:02

Tgt Ion: 45 Resp: 54586
Ion Ratio Lower Upper
45 100
58 9.6 1.4 2.0#



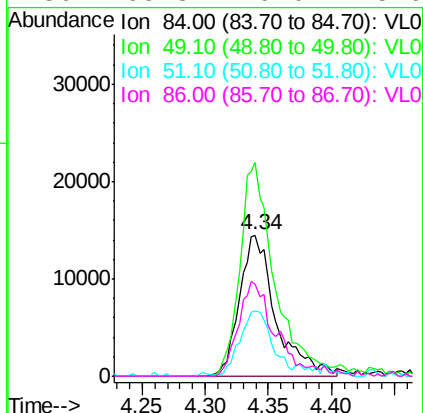


#20
Methylene Chloride
Concen: 0.780 ppbv m
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 20:02

Tot Ion:
Ion Ratio
84 100
49 151.
51 46.
86 65.3 49.0 73.6

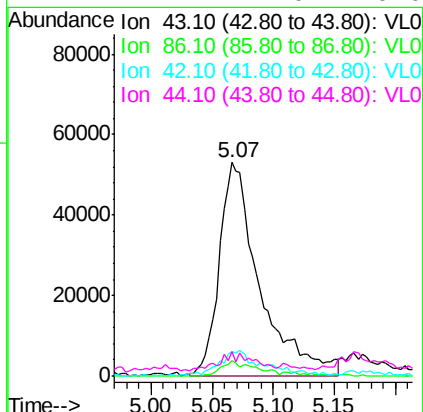
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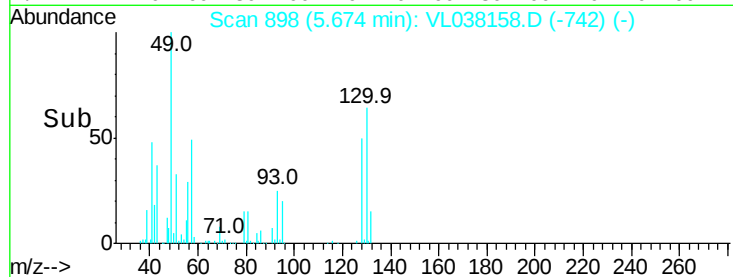
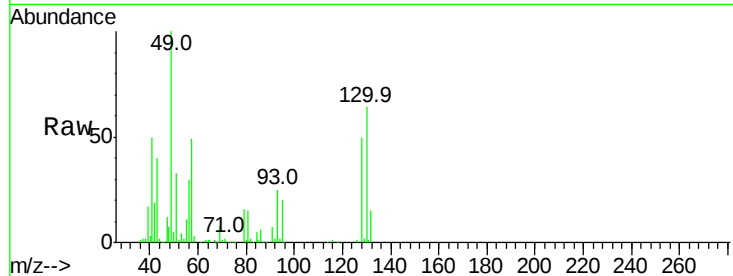
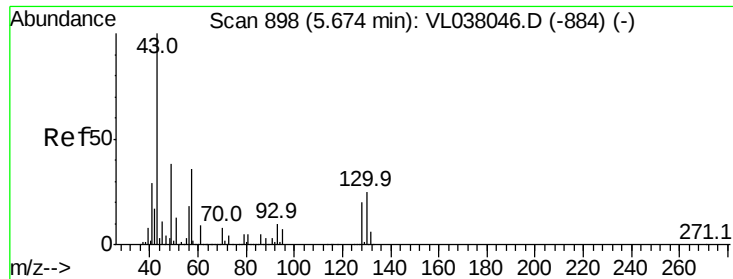
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#23
Vinyl Acetate
Concen: 1.269 ppbv m
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL038158.D
Acq: 7 Dec 2021 20:02

Tgt Ion: 43 Resp: 121789
Ion Ratio Lower Upper
43 100
86 7.1 5.3 7.9
42 11.4 7.0 10.6#
44 11.4 4.0 6.0#



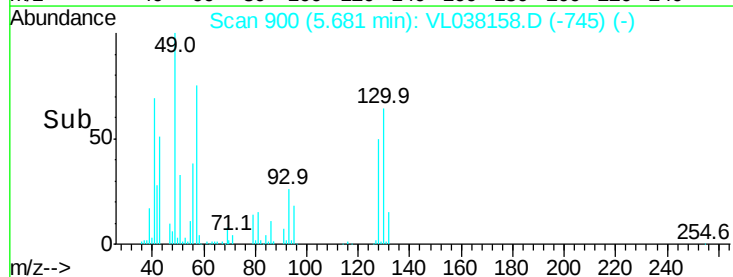
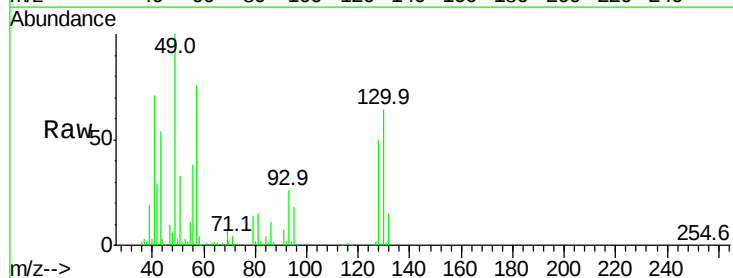
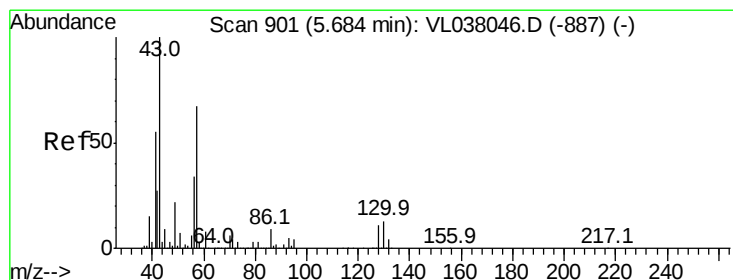
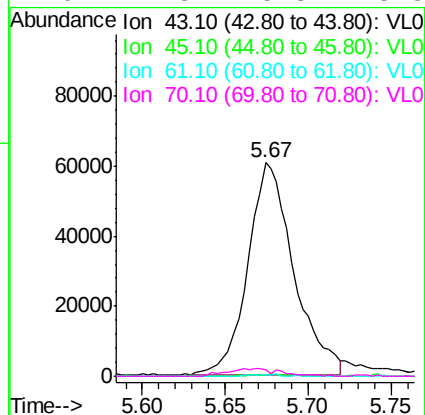


#25
Ethyl Acetate
Concen: 0.531 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Dec 2021 20:02

Tot Ion:
Ion Ratio
43 100
45 0.
61 0.
70 4.3 5.8 8.8#

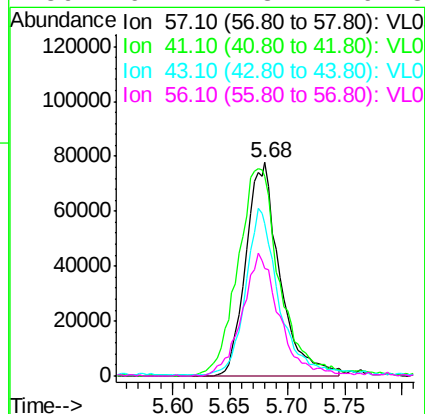
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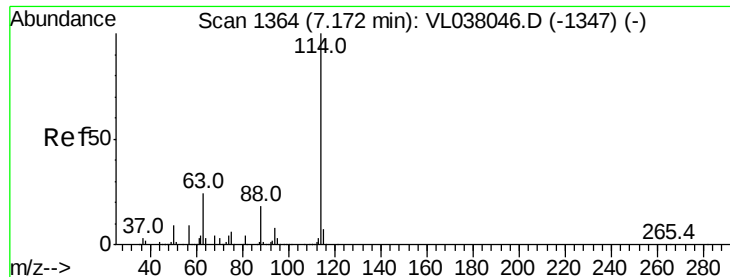
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#26
Hexane
Concen: 1.506 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038158.D
Acq: 7 Dec 2021 20:02

Tgt Ion: 57 Resp: 159878
Ion Ratio Lower Upper
57 100
41 122.5 71.4 107.2#
43 77.6 174.6 261.8#
56 64.2 43.2 64.8



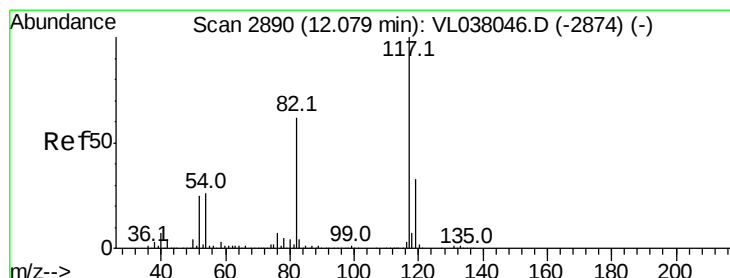
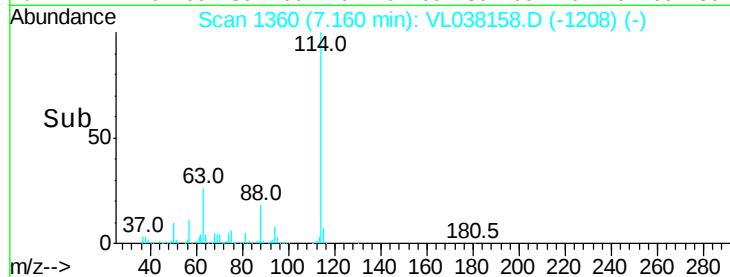
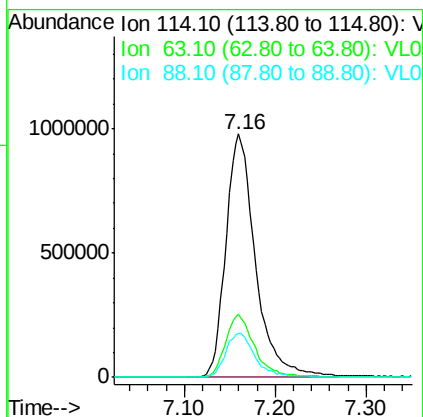
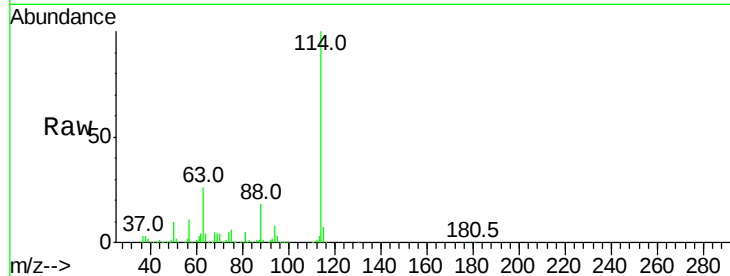


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 7 Dec 2021 20:02

Tot Ion:1
 Ion Rati
 114 100
 63 25.
 88 18.

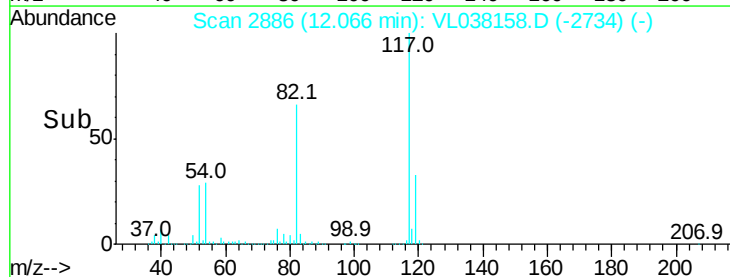
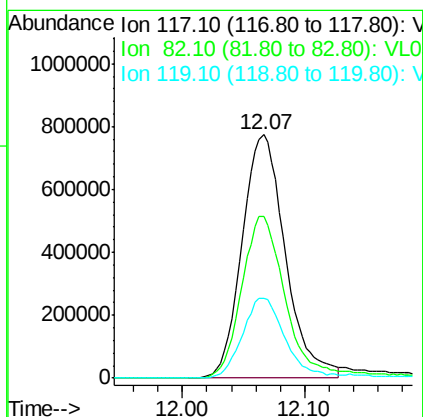
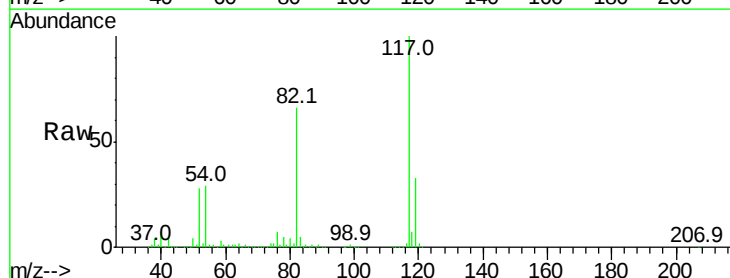
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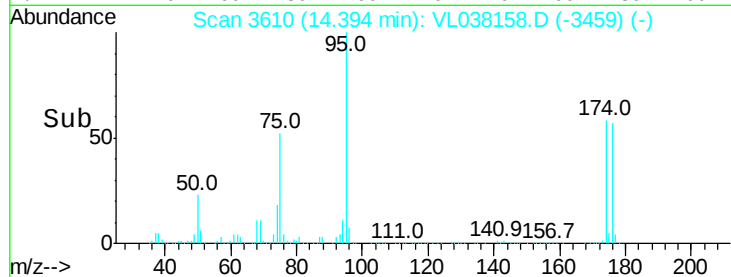
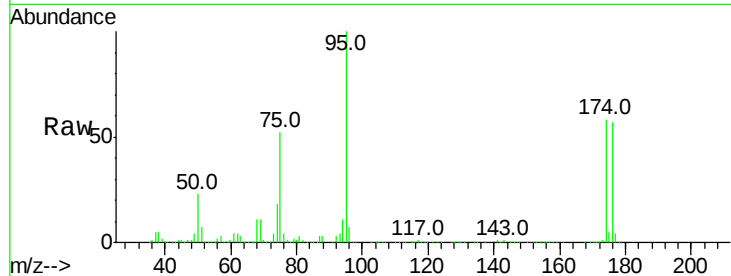
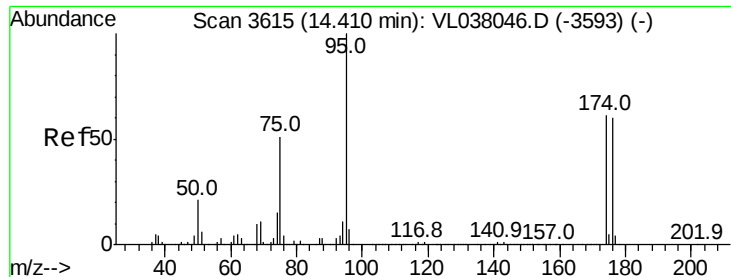
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. -0.01 min
 Lab File: VL038158.D
 Acq: 7 Dec 2021 20:02

Tgt Ion:117 Resp: 1893394
 Ion Ratio Lower Upper
 117 100
 82 70.3 52.8 79.2
 119 34.3 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 11.632 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Dec 2021 20:02

Tot Ion:

Ion Ratio

95 100

174 60.

175 4.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021

