

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039623.D
 Acq On : 7 Sep 2022 17:32
 Operator : SY/AP
 Sample : N4494-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022

Quant Time: Sep 08 06:07:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	1066030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2844774	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2523579	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1916448	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds

					Ovalue
3) Chlorodifluoromethane	2.68	51	33146	0.261 ppbv	# 57
13) Ethanol	3.27	45	34762	8.323 ppbv	79
15) Acetone	3.49	43	140461	1.176 ppbv	93
20) Methylene Chloride	3.95	84	60823	1.254 ppbv	# 85
25) Ethyl Acetate	5.22	43	41946m	0.164 ppbv	
26) Hexane	5.23	57	54357	0.521 ppbv	# 38
29) Chloroform	5.29	83	37119	0.228 ppbv	84
53) Toluene	9.23	91	35098m	0.145 ppbv	

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

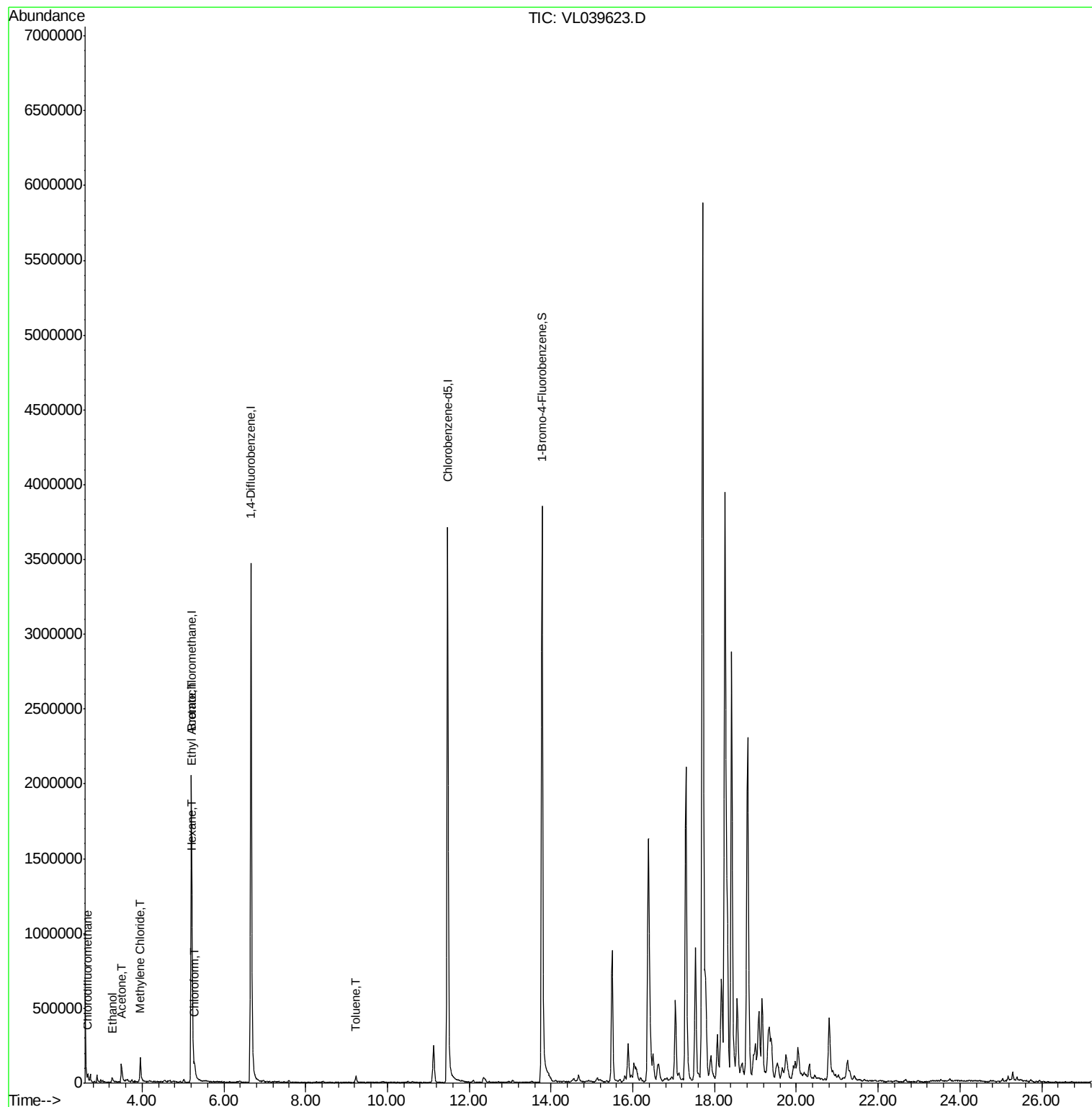
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090722\
Data File : VL039623.D
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Operator : SY/AP
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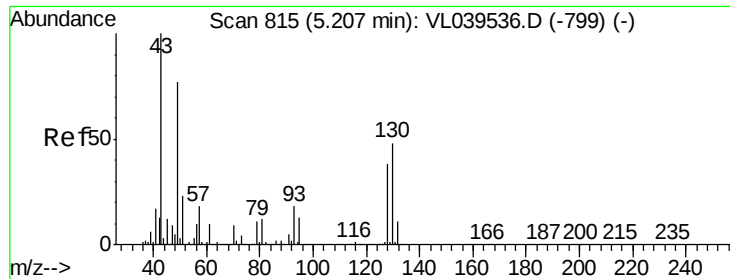
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Sep 08 06:07:05 2022
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 17:32 SV-1DL

Tot Ion:

Ion Ratio

49 100

128 50.

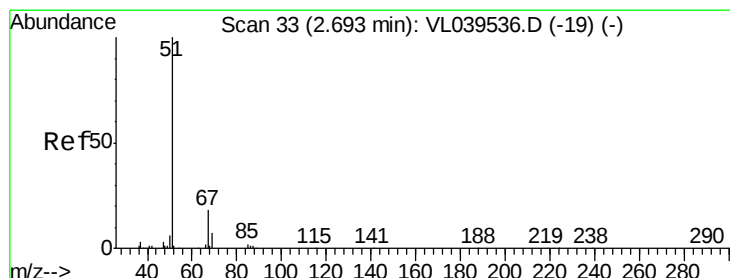
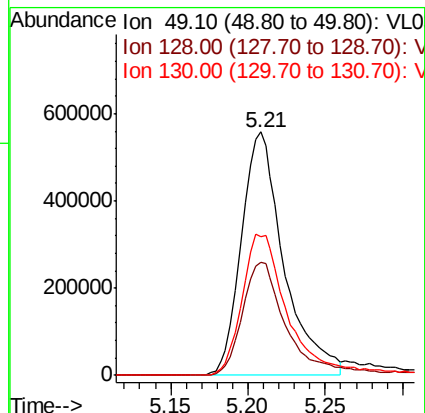
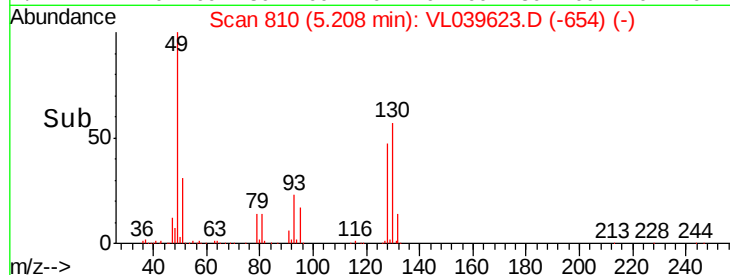
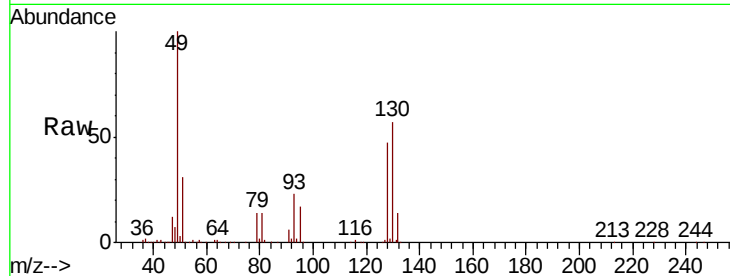
130 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/08/2022

Supervised By :Mahesh Dadoda 09/08/2022



#3

Chlorodifluoromethane

Concen: 0.261 ppbv

RT: 2.68 min Scan# 23

Delta R.T. -0.02 min

Lab File: VL039623.D

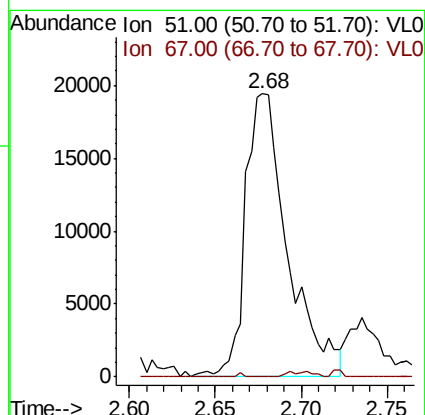
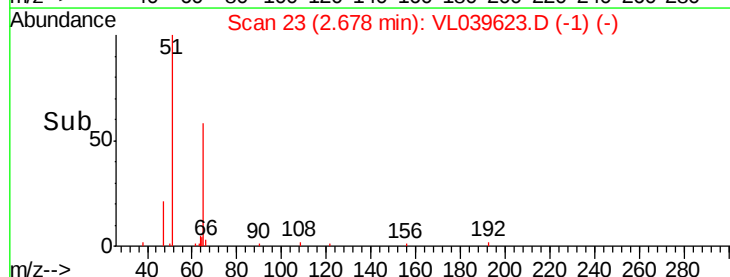
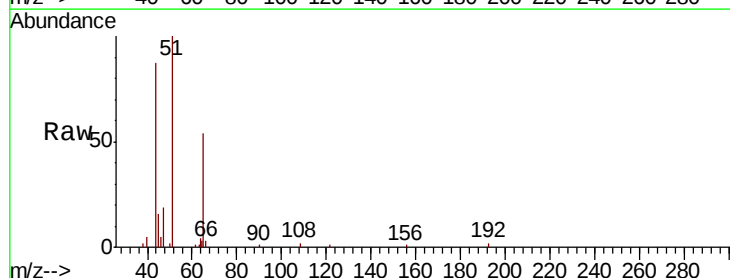
Acq: 7 Sep 2022 17:32

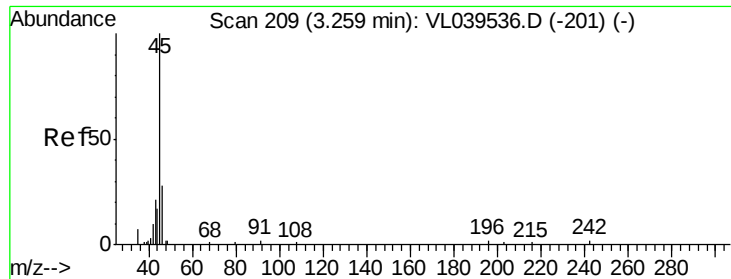
Tgt Ion: 51 Resp: 33146

Ion Ratio Lower Upper

51 100

67 0.2 15.7 23.5#



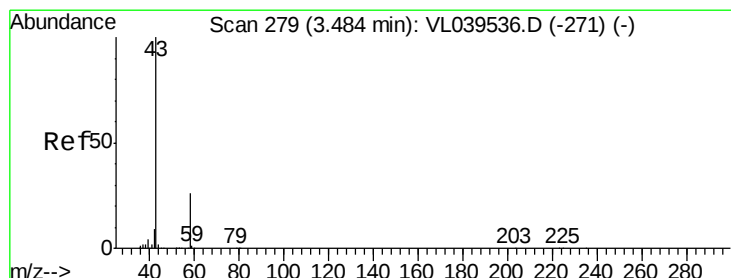
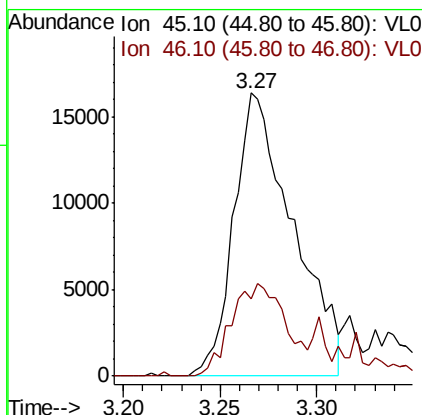
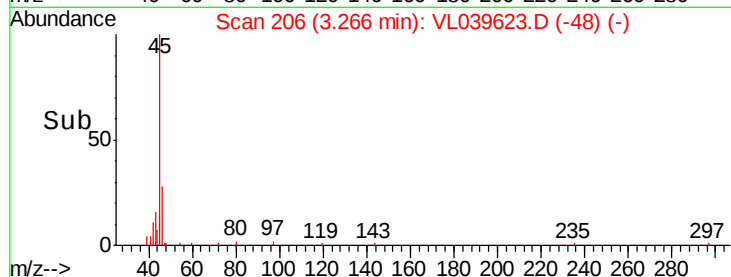
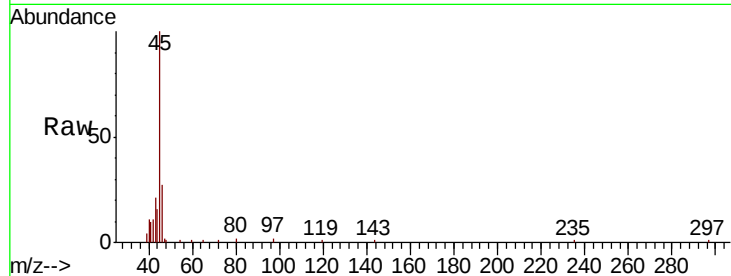


#13
Ethanol
Concen: 8.323 ppbv
RT: 3.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 17:32

Tot Ion:
Ion Ratio
45 100
46 41.

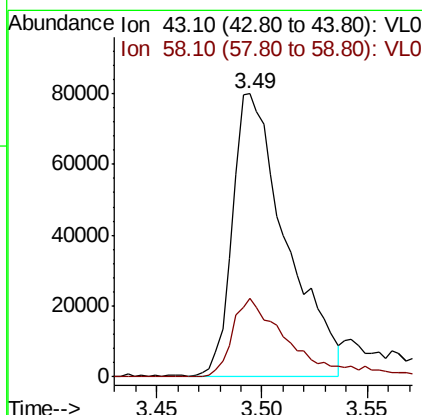
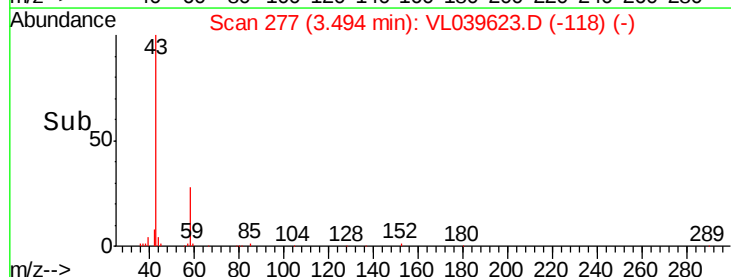
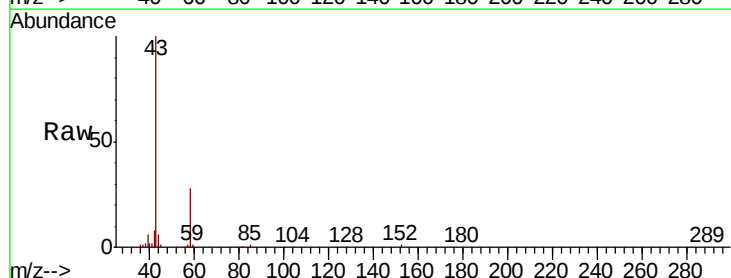
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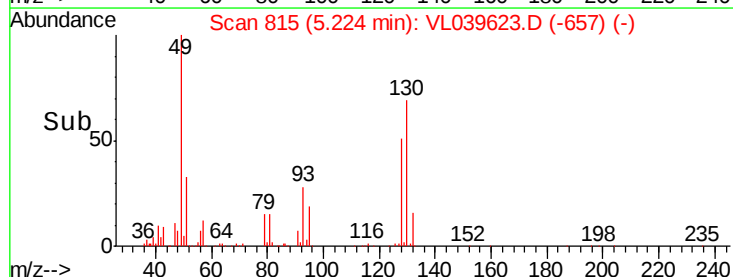
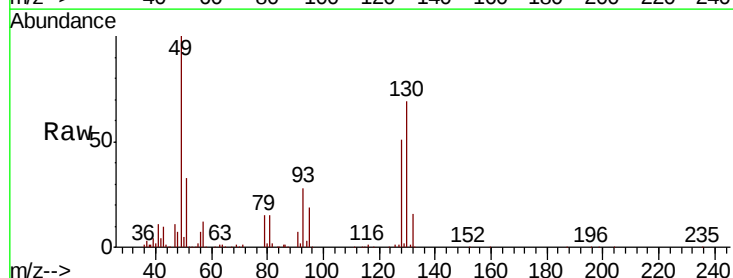
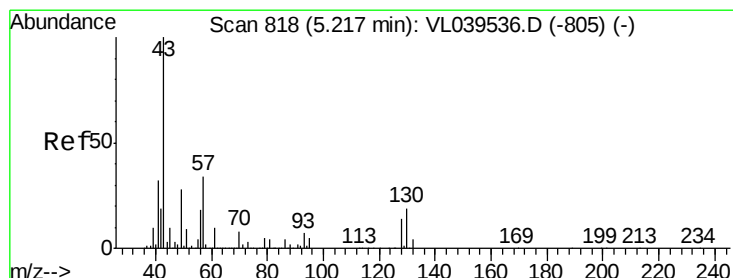
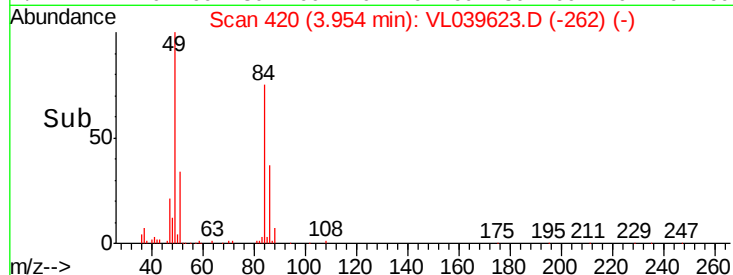
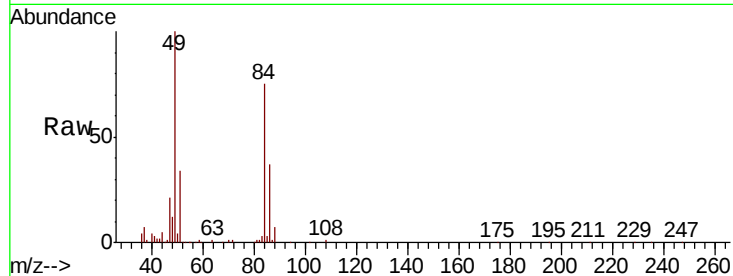
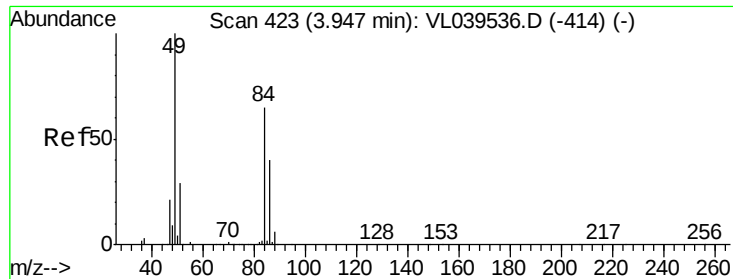
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#15
Acetone
Concen: 1.176 ppbv
RT: 3.49 min Scan# 277
Delta R.T. 0.01 min
Lab File: VL039623.D
Acq: 7 Sep 2022 17:32

Tgt Ion: 43 Resp: 140461
Ion Ratio Lower Upper
43 100
58 29.7 21.0 31.6



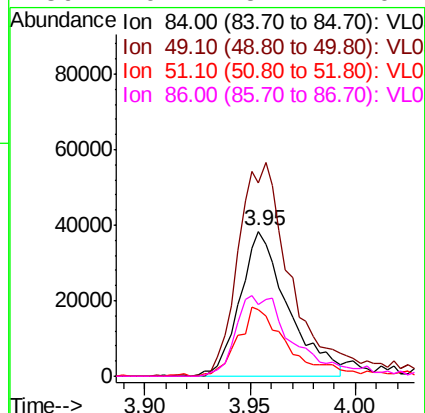


#20
Methvlene Chloride
Concen: 1.254 ppbv
RT: 3.95
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 17:32

Tot Ion:
Ion Ratio
84 100
49 133.
51 45.
86 49.2 51.1 76.7#

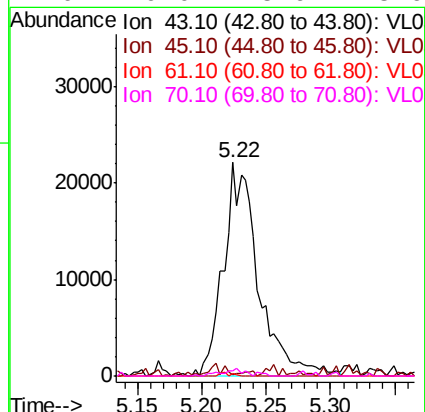
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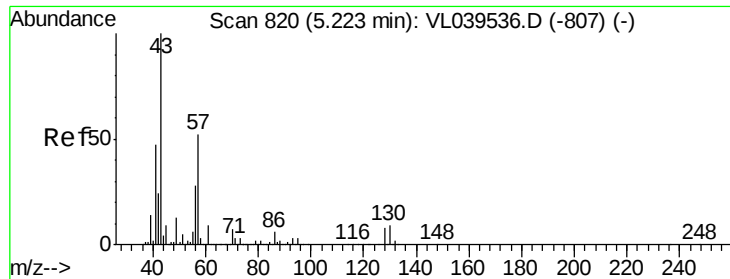
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#25
Ethyl Acetate
Concen: 0.164 ppbv m
RT: 5.22 min Scan# 815
Delta R.T. 0.01 min
Lab File: VL039623.D
Acq: 7 Sep 2022 17:32

Tgt Ion: 43 Resp: 41946
Ion Ratio Lower Upper
43 100
45 4.1 8.2 12.4#
61 0.5 8.3 12.5#
70 0.0 5.9 8.9#



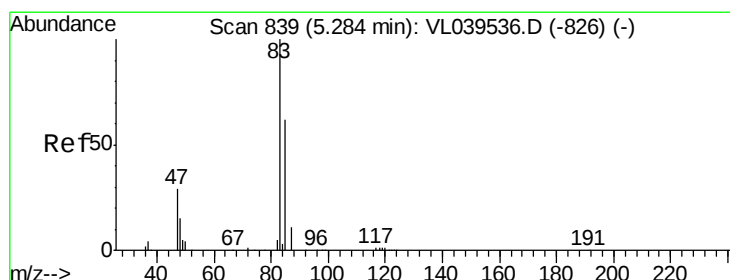
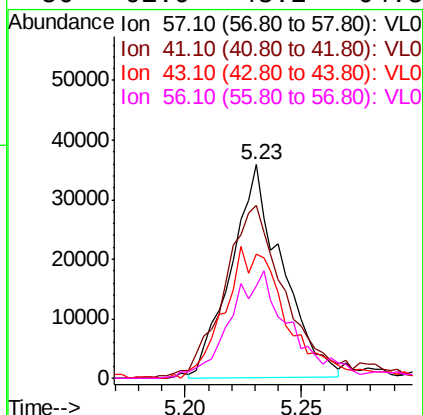
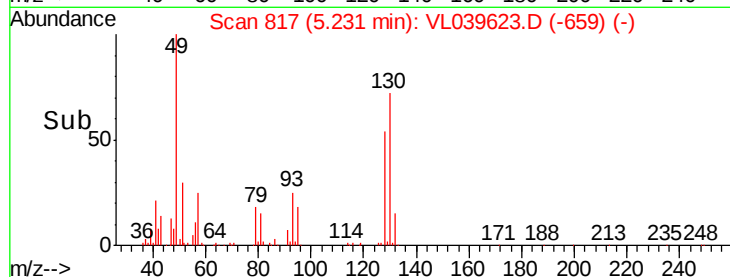
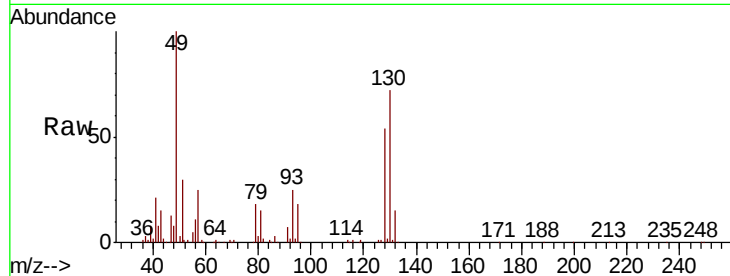


#26
Hexane
Concen: 0.521 ppbv
RT: 5.23
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Sep 2022 17:32

Tot Ion:
Ion Ratio
57 100
41 104.
43 77.
56 61.9 43.2 64.8

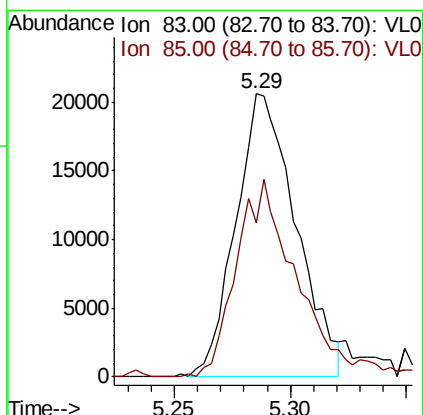
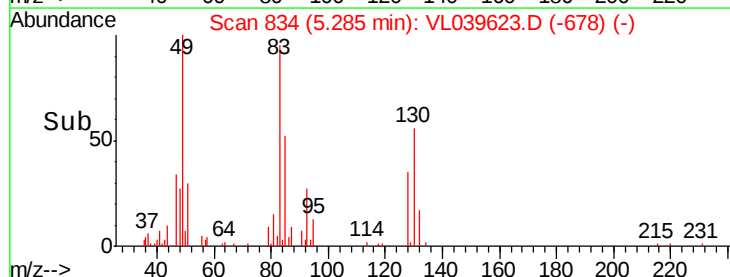
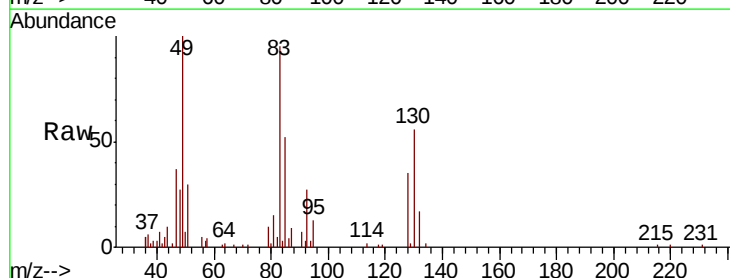
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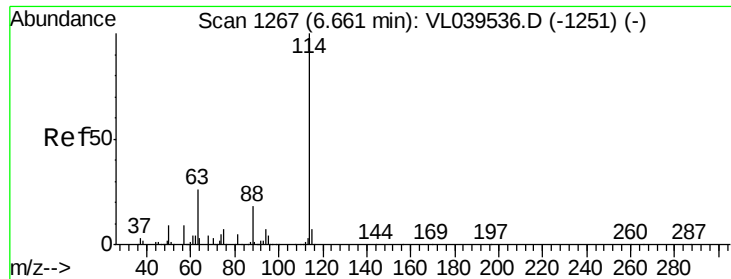
Reviewed By :Semsettin Yesilyurt 09/08/2022
Supervised By :Mahesh Dadoda 09/08/2022



#29
Chloroform
Concen: 0.228 ppbv
RT: 5.29 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL039623.D
Acq: 7 Sep 2022 17:32

Tgt Ion: 83 Resp: 37119
Ion Ratio Lower Upper
83 100
85 53.4 52.8 79.2



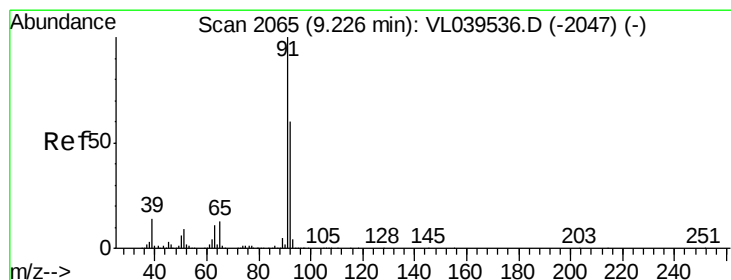
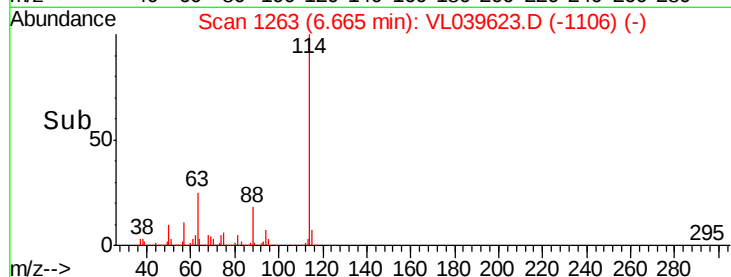
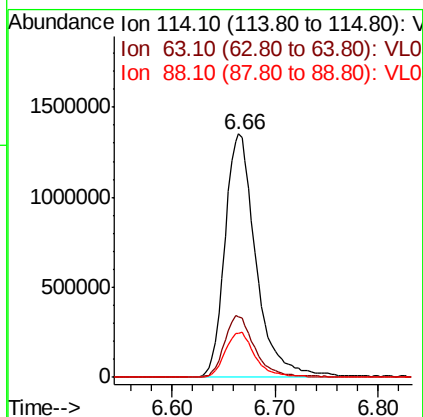
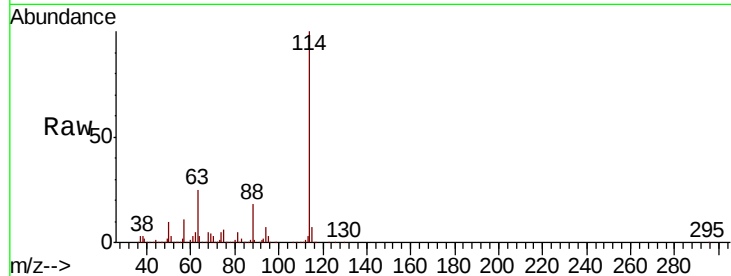


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 17:32

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

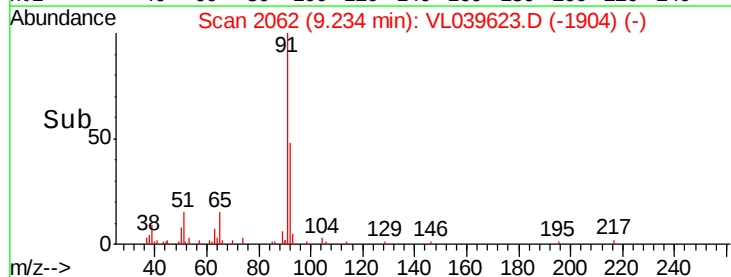
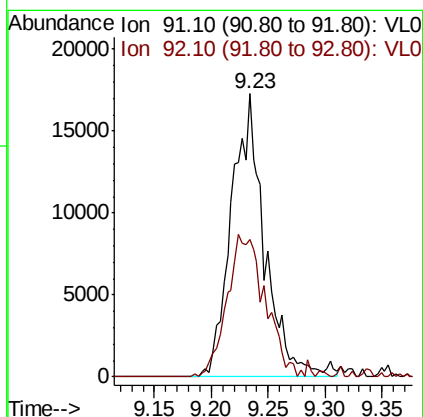
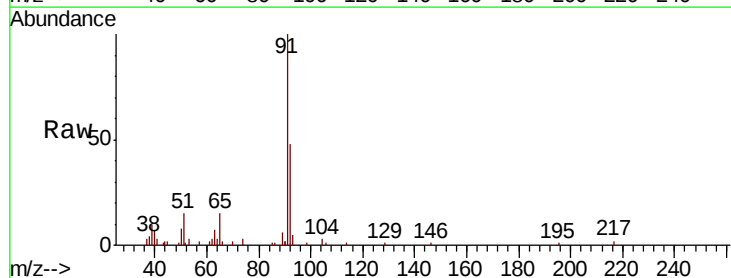
Manual Integrations
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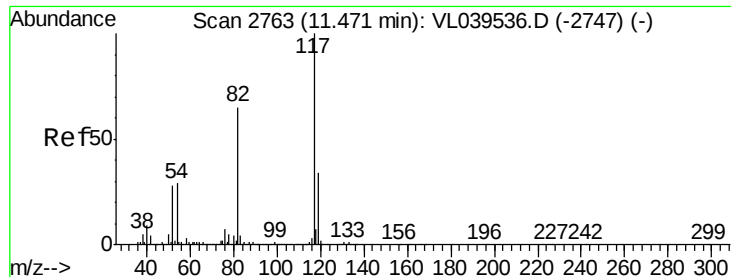
Reviewed By :Semsettin Yesilyurt 09/08/2022
 Supervised By :Mahesh Dadoda 09/08/2022



#53
 Toluene
 Concen: 0.145 ppbv m
 RT: 9.23 min Scan# 2062
 Delta R.T. 0.01 min
 Lab File: VL039623.D
 Acq: 7 Sep 2022 17:32

Tgt Ion: 91 Resp: 35098
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.2 72.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.47 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Sep 2022 17:32

Tot Ion:1

Ion Rati

117 100

82 64.

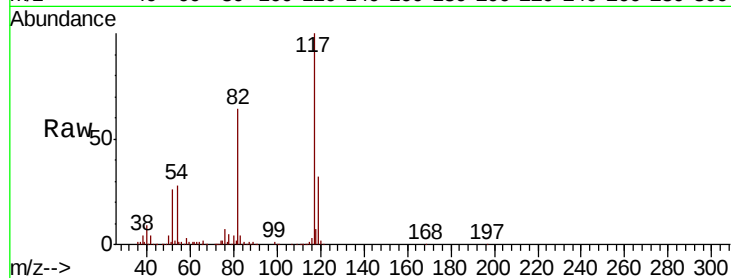
119 33.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/08/2022

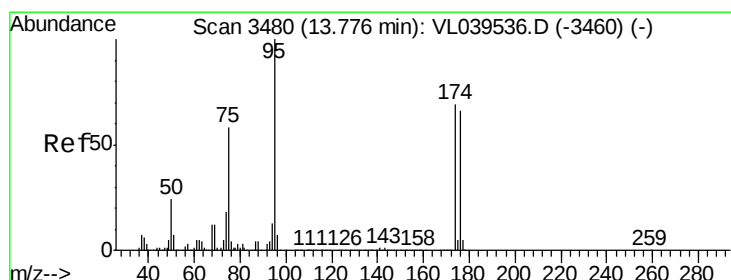
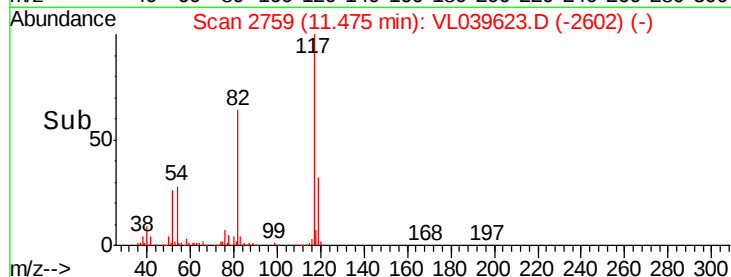
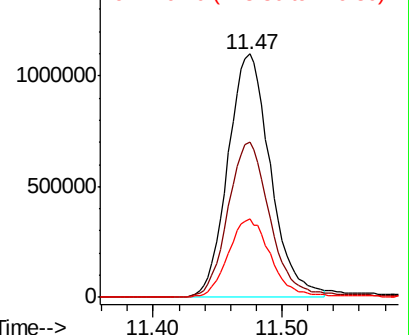
Supervised By :Mahesh Dadoda 09/08/2022



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.066 ppbv

RT: 13.78 min Scan# 3477

Delta R.T. 0.01 min

Lab File: VL039623.D

Acq: 7 Sep 2022 17:32

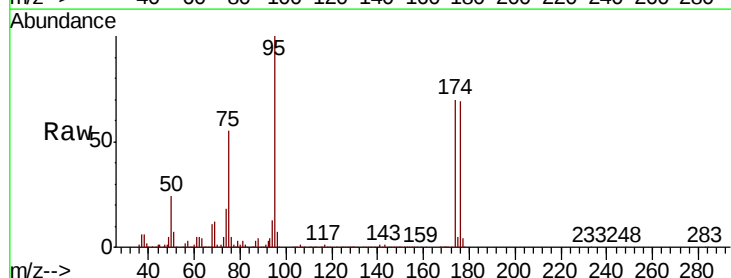
Tgt Ion: 95 Resp: 1916448

Ion Ratio Lower Upper

95 100

174 72.8 55.9 83.9

175 5.3 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

