

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039217.D
 Acq On : 7 Jun 2022 20:15
 Operator : SY/AP
 Sample : N3187-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 AA-2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 06:18:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	861305	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1975511	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1688520	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1431034	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	115721m	0.765	ppbv
3) Chlorodifluoromethane	2.99	51	66585	0.608	ppbv 91
4) Chloromethane	3.14	50	34969	0.621	ppbv 96
9) Propene	3.02	41	35048	0.733	ppbv # 73
10) Heptane	8.12	43	15197m	0.136	ppbv
11) Trichlorofluoromethane	3.95	101	39367m	0.287	ppbv
12) 1,1,2-Trichlorotrifluoroet	4.49	101	9648m	0.107	ppbv
13) Ethanol	3.60	45	231085	88.673	ppbv # 100
15) Acetone	3.85	43	688261m	7.671	ppbv
19) Isopropyl Alcohol	3.97	45	53963m	1.282	ppbv
20) Methylene Chloride	4.35	84	1951193	51.606	ppbv 95
26) Hexane	5.69	57	1809177	20.359	ppbv # 38
30) Cyclohexane	7.13	84	19881m	0.266	ppbv
34) 2-Butanone	5.25	43	65917	0.614	ppbv 92
35) Carbon Tetrachloride	7.02	117	11855m	0.082	ppbv
36) Benzene	6.89	78	35096m	0.219	ppbv
44) 2,2,4-Trimethylpentane	7.87	57	96393	0.344	ppbv # 84
53) Toluene	9.80	91	124939	0.677	ppbv 98
59) m/p-Xylene	12.96	91	37428m	0.183	ppbv

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

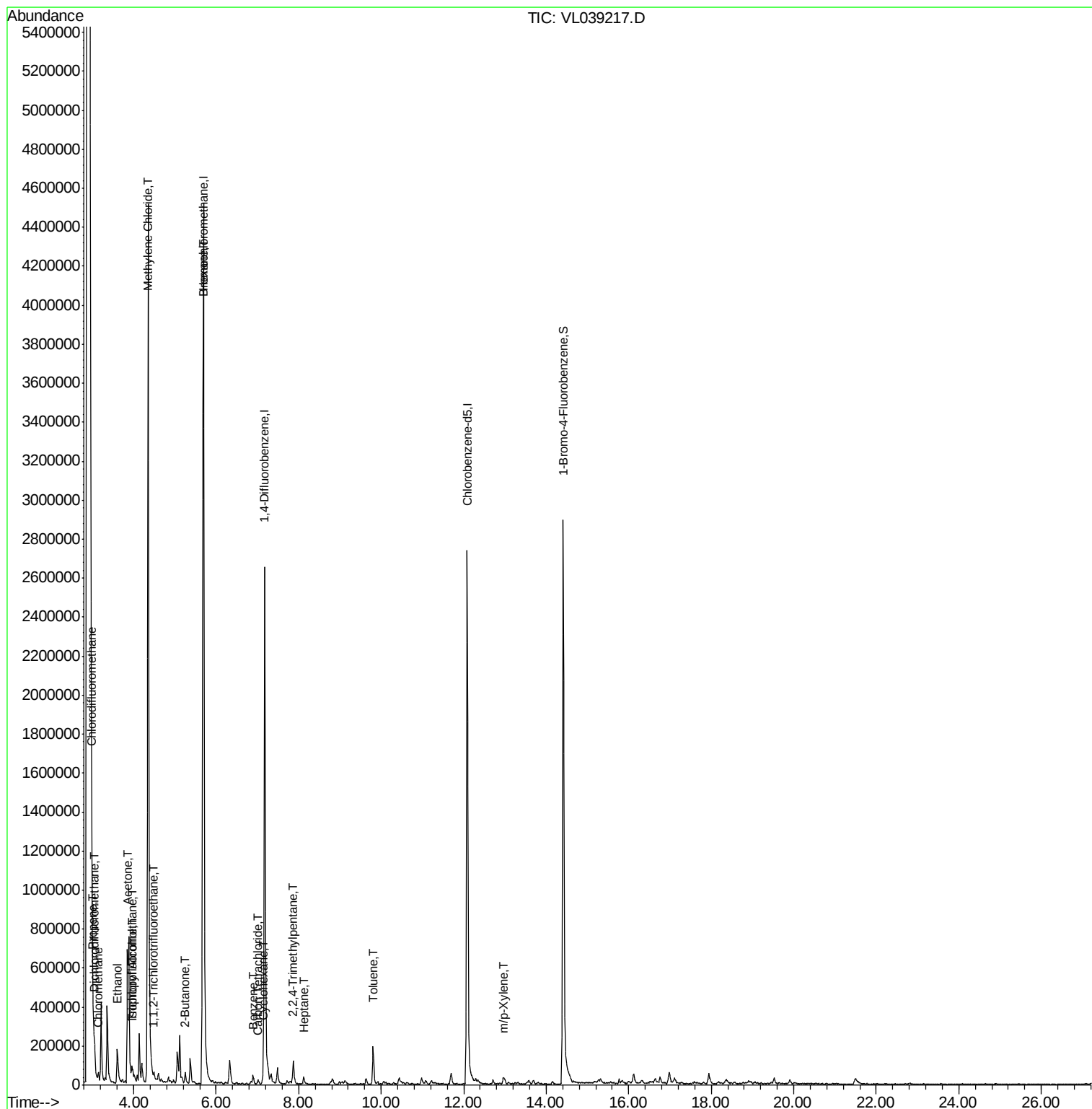
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039217.D
Acq On : 7 Jun 2022 20:15
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

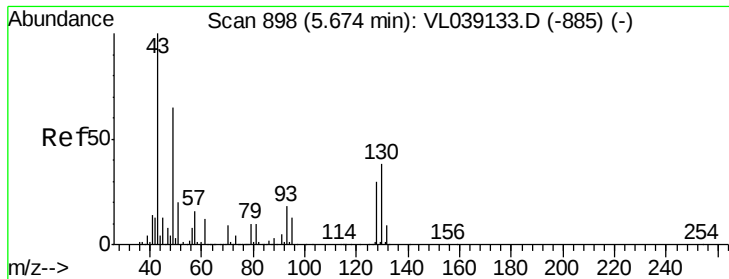
Instrument :
MSVOA_L
ClientSampleId :
AA-2

Quant Time: Jun 08 06:18:50 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: AA-2

Acq: 7 Jun 2022 20:15

Tot Ion:

Ion Ratio

49 100

128 48.

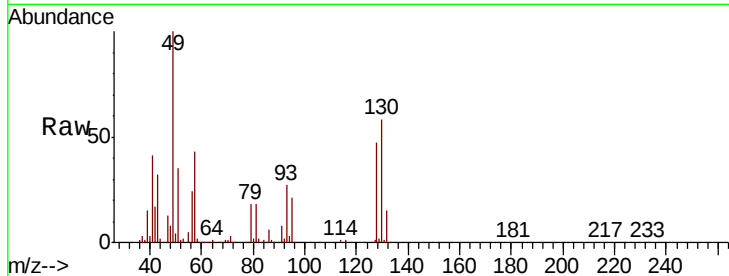
130 60.

Manual Integrations

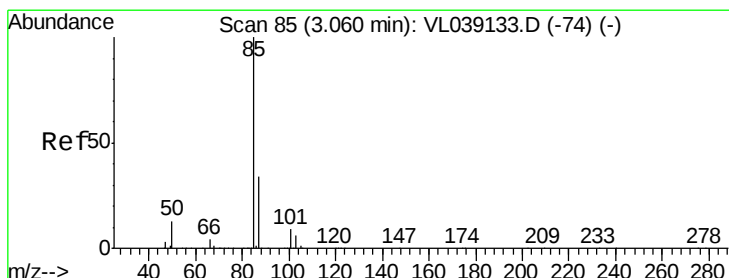
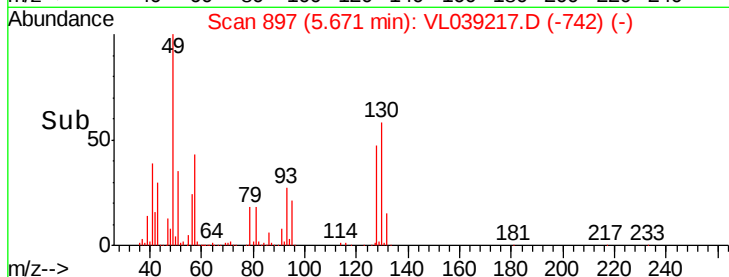
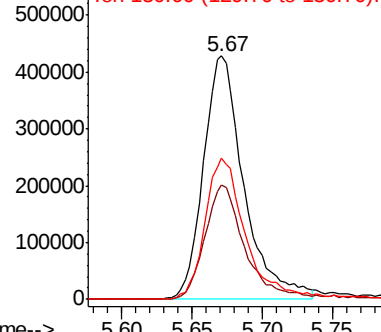
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Supervised By :Mahesh Dadoda 06/10/2022



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: 0.765 ppbv m

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039217.D

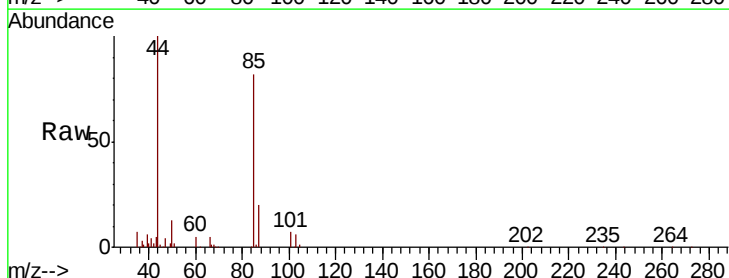
Acq: 7 Jun 2022 20:15

Tgt Ion: 85 Resp: 115721

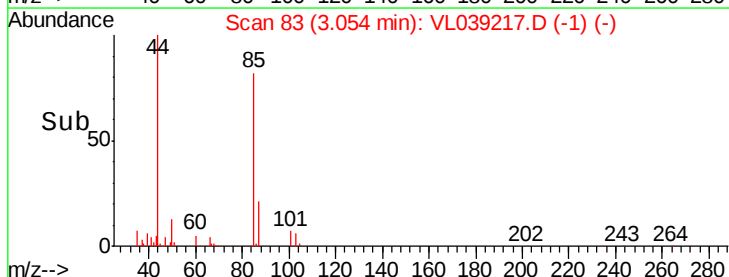
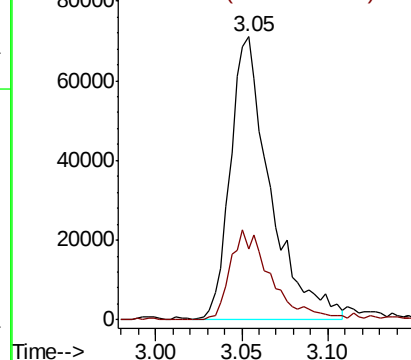
Ion Ratio Lower Upper

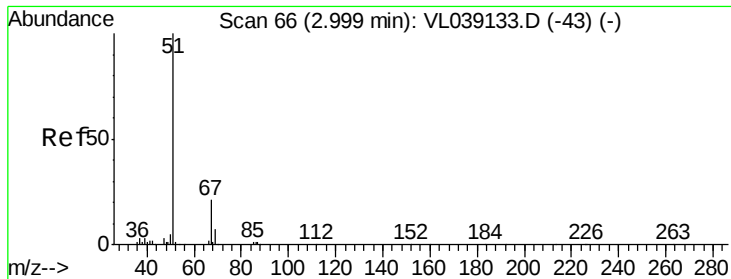
85 100

87 25.0 26.9 40.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.608 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: AA-2

Acq: 7 Jun 2022 20:15

Tot Ion:

Ion Ratio

51 100

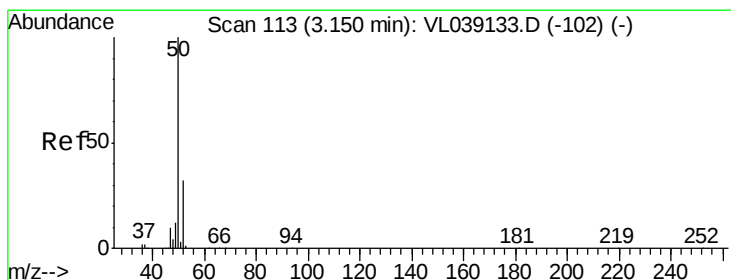
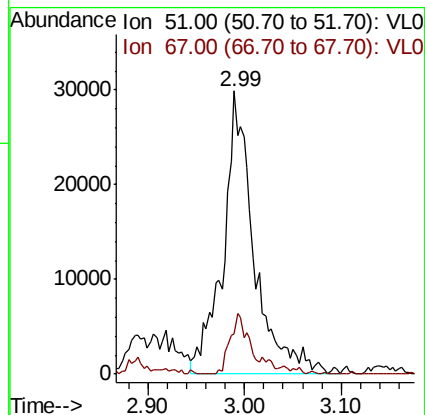
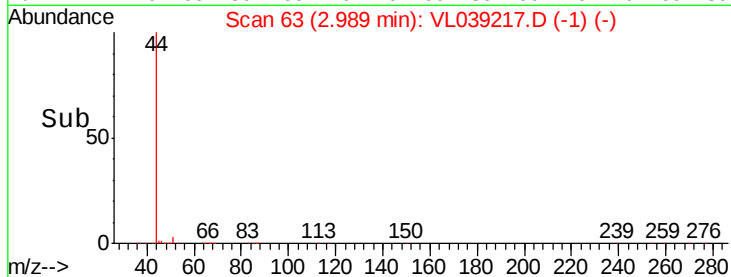
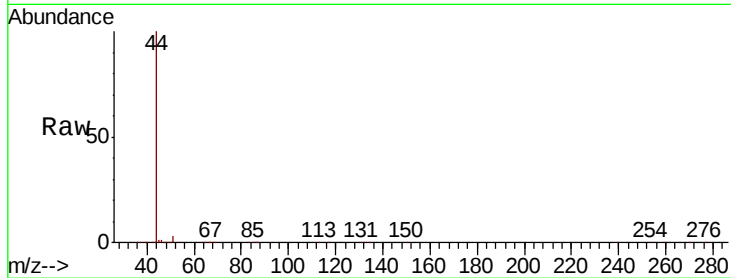
67 16.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#4

Chloromethane

Concen: 0.621 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039217.D

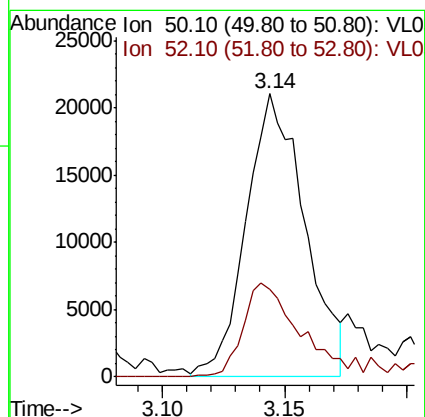
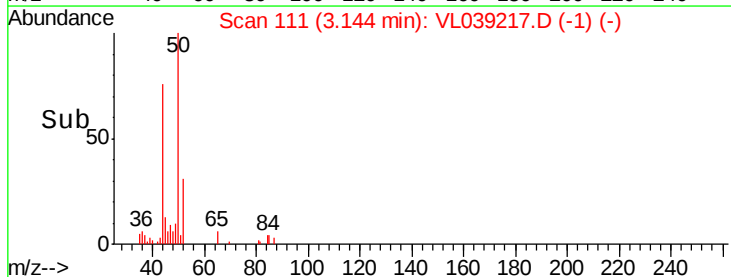
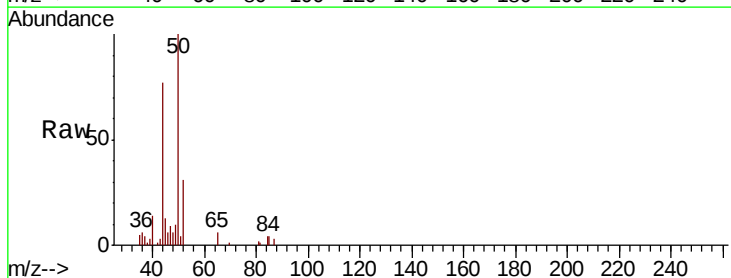
Acq: 7 Jun 2022 20:15

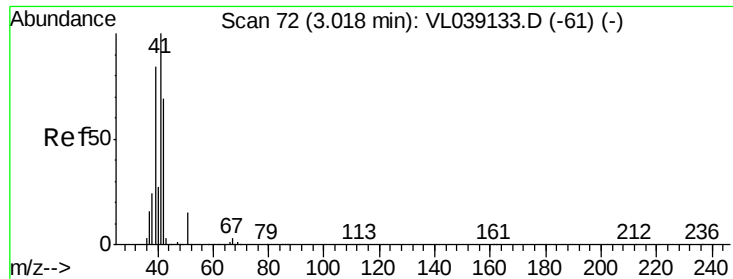
Tgt Ion: 50 Resp: 34969

Ion Ratio Lower Upper

50 100

52 30.2 25.9 38.9



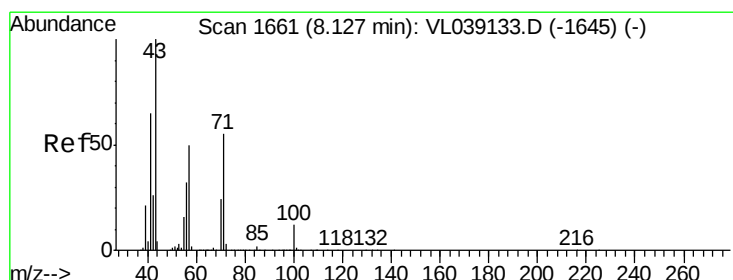
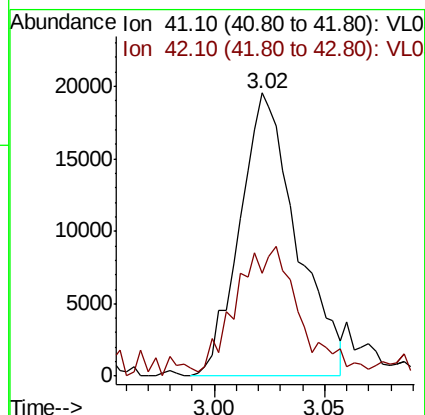
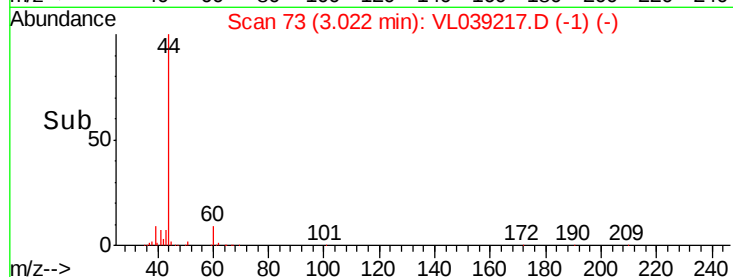
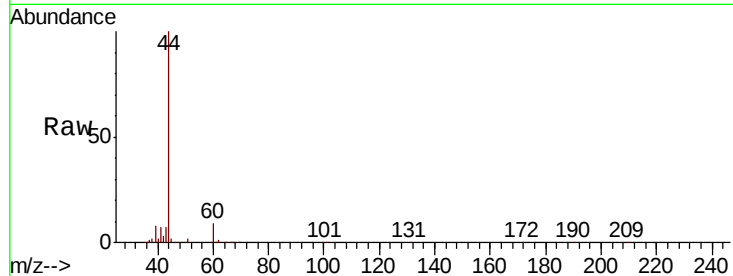


#9
 Propene
 Concen: 0.733 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 20:15

Tot Ion:
 Ion Ratio
 41 100
 42 47.

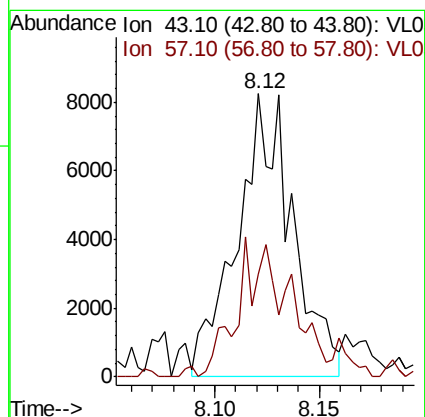
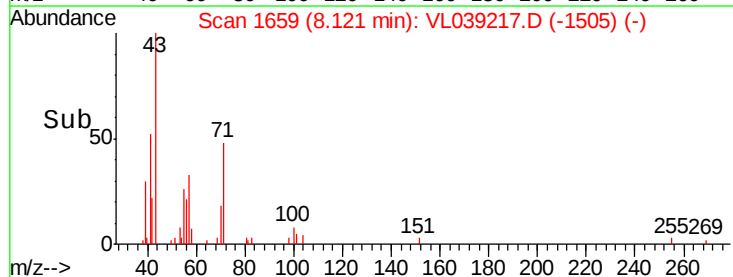
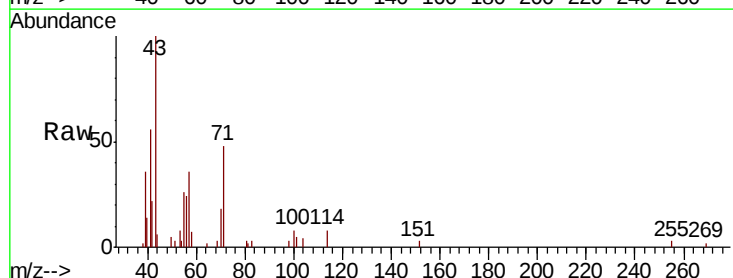
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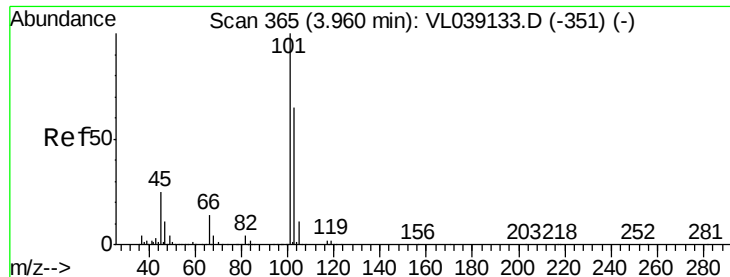
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#10
 Heptane
 Concen: 0.136 ppbv m
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL039217.D
 Acq: 7 Jun 2022 20:15

Tgt Ion: 43 Resp: 15197
 Ion Ratio Lower Upper
 43 100
 57 51.2 41.4 62.2



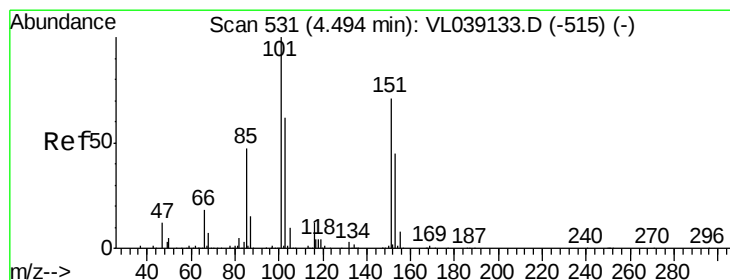
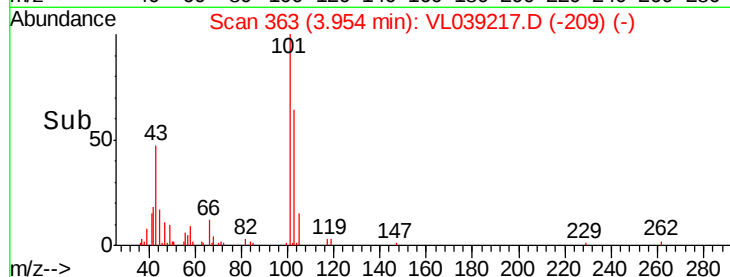
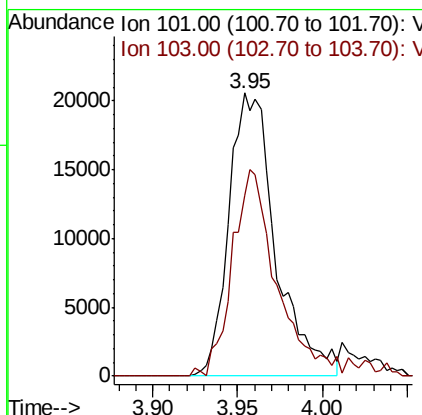
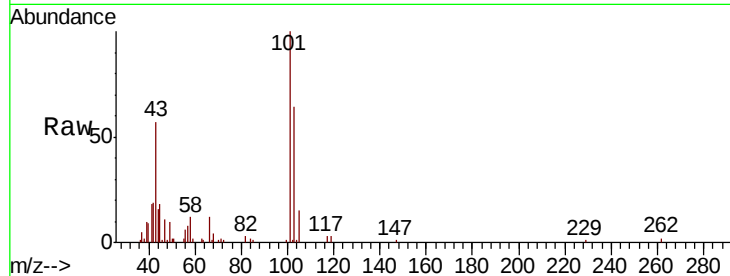


#11
 Trichlorofluoromethane
 Concen: 0.287 ppbv m
 RT: 3.95 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: AA-2
 Acq: 7 Jun 2022 20:15

Tot Ion:1
 Ion Rati
 101 100
 103 64.

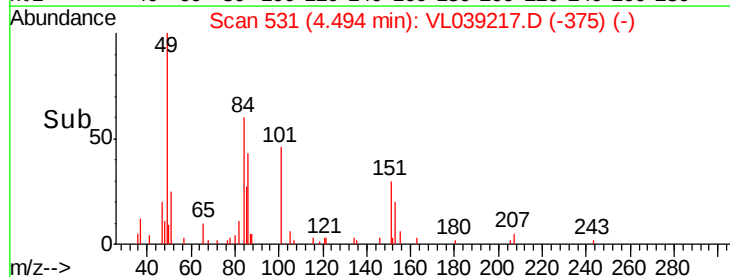
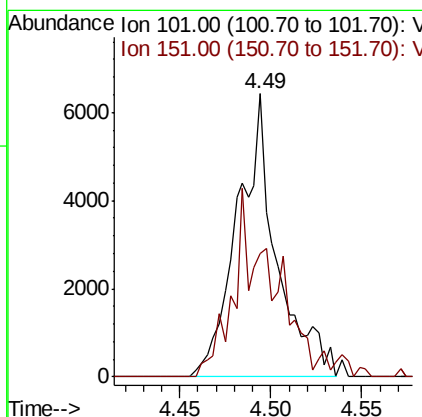
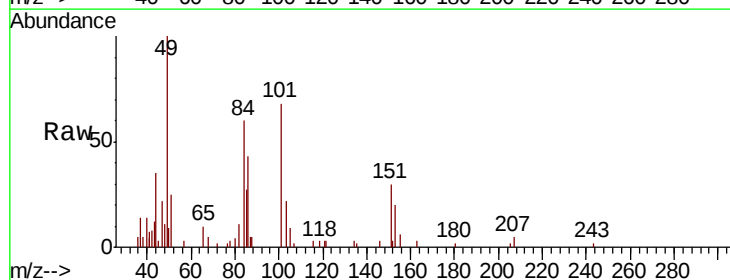
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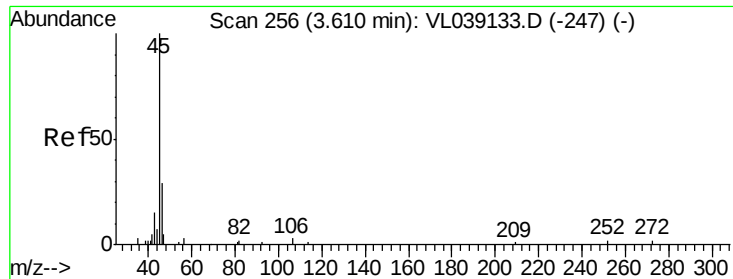
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.107 ppbv m
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL039217.D
 Acq: 7 Jun 2022 20:15

Tgt Ion:101 Resp: 9648
 Ion Ratio Lower Upper
 101 100
 151 0.0 59.4 89.0#



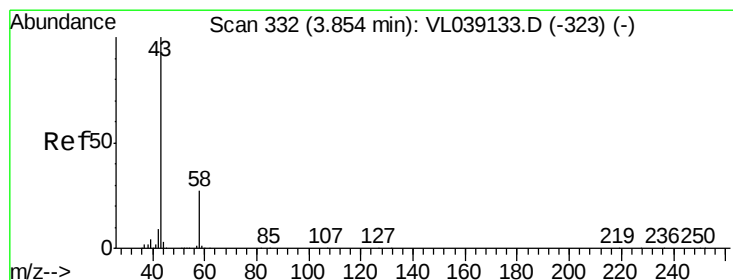
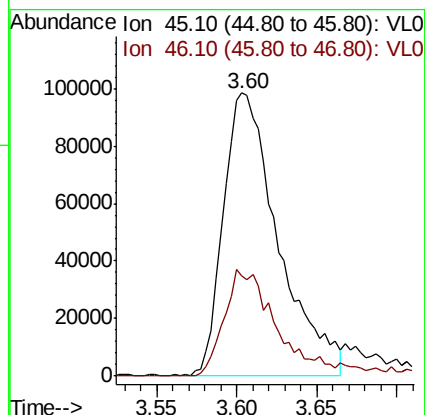
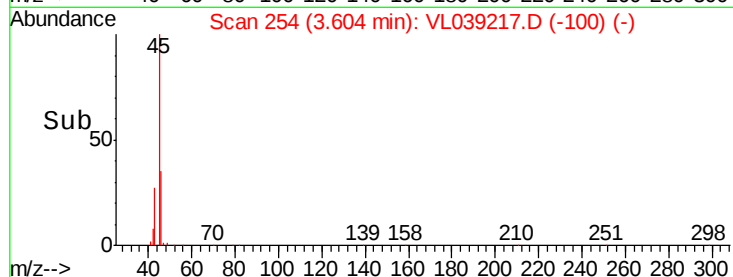
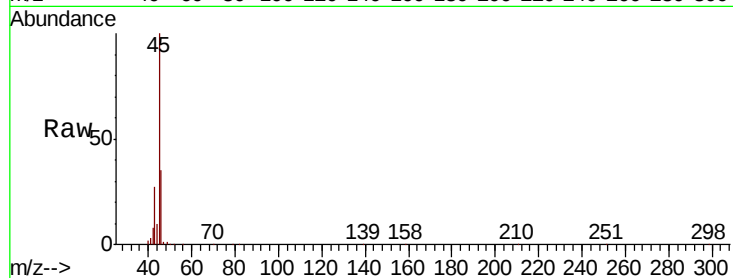


#13
Ethanol
Concen: 88.673 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 20:15

Tot Ion:
Ion Ratio
45 100
46 39.

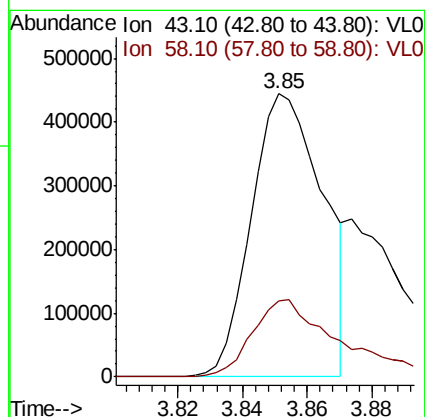
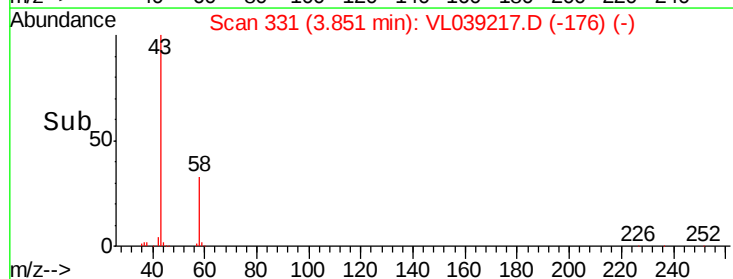
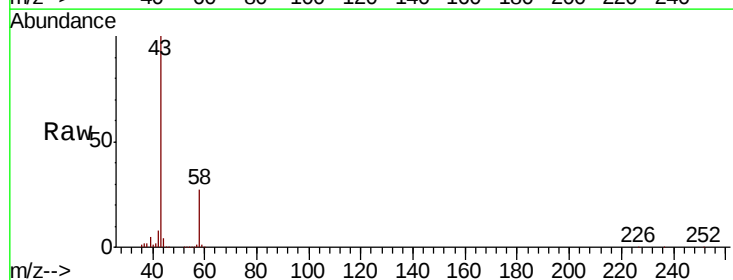
Manual Integrations
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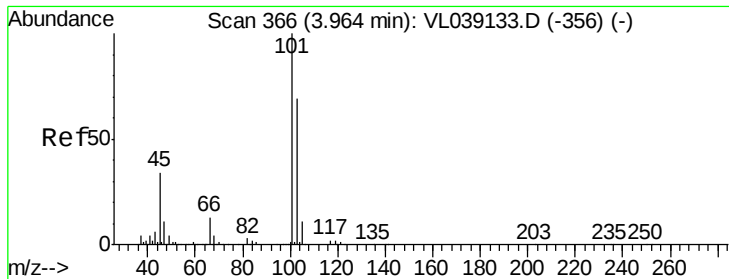
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#15
Acetone
Concen: 7.671 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL039217.D
Acq: 7 Jun 2022 20:15

Tgt Ion: 43 Resp: 688261
Ion Ratio Lower Upper
43 100
58 36.4 22.5 33.7#





#19

Isopropyl Alcohol

Concen: 1.282 ppbv m

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Jun 2022 20:15

Tot Ion:

Ion Ratio

45 100

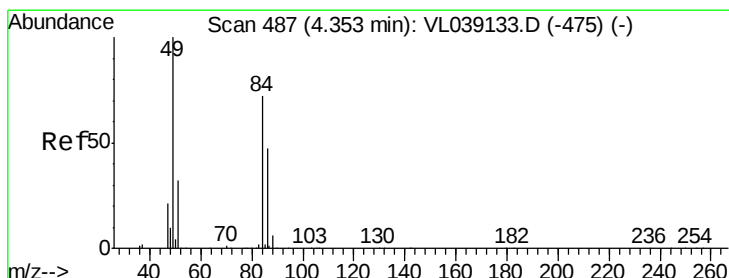
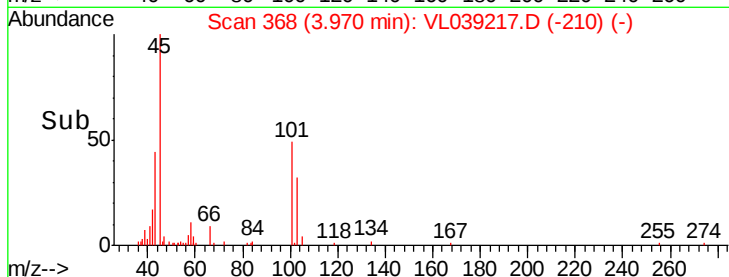
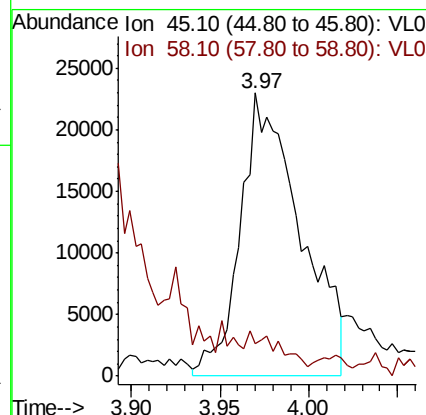
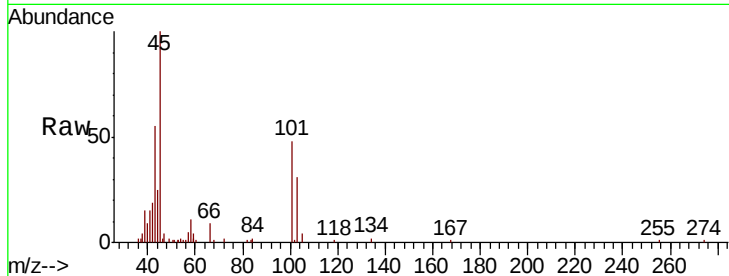
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#20

Methylene Chloride

Concen: 51.606 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.00 min

Lab File: VL039217.D

Acq: 7 Jun 2022 20:15

Tgt Ion: 84 Resp: 1951193

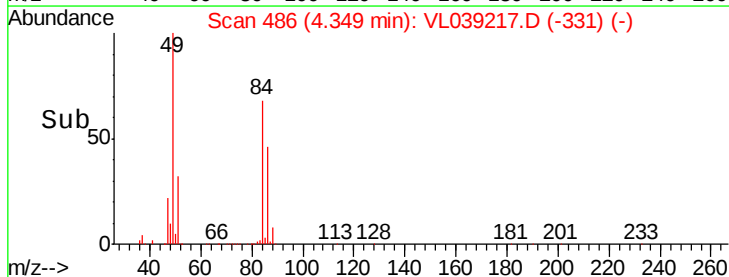
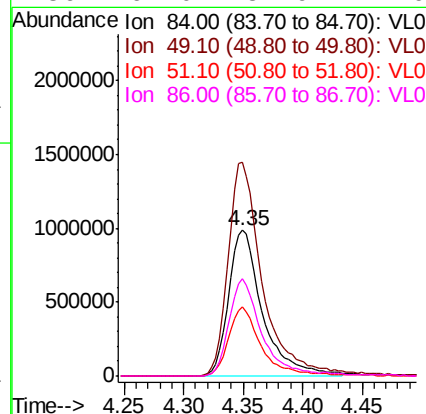
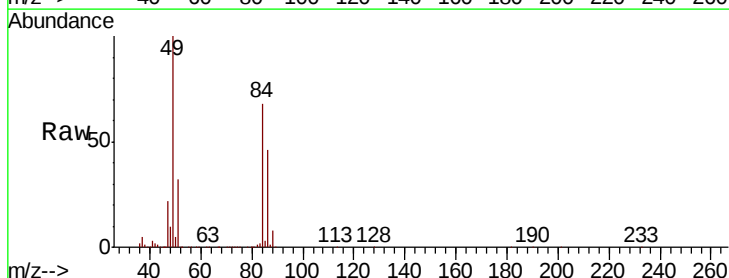
Ion Ratio Lower Upper

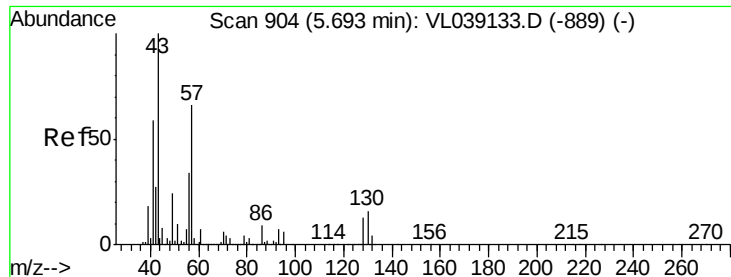
84 100

49 146.4 111.1 166.7

51 47.1 35.3 52.9

86 67.0 51.9 77.9



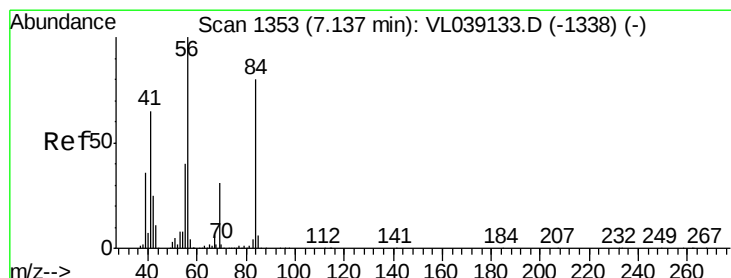
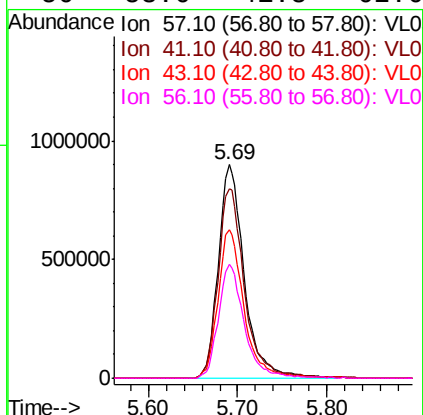
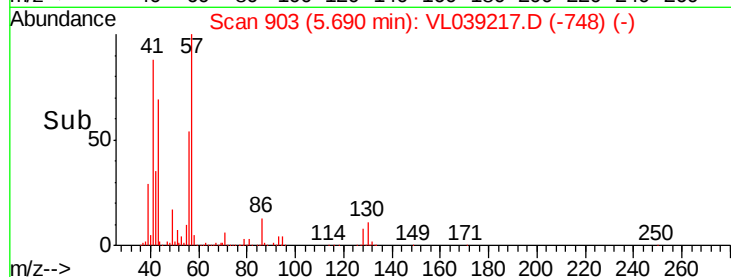
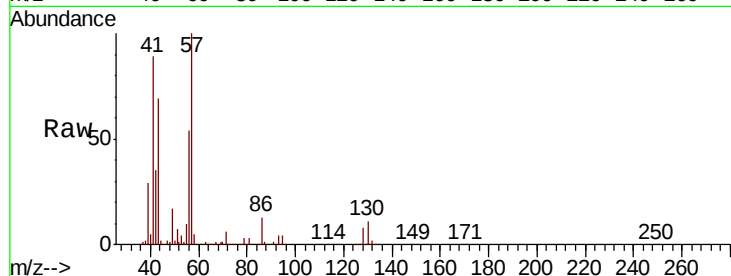


#26
Hexane
Concen: 20.359 ppbv
RT: 5.69
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 7 Jun 2022 20:15

Tot Ion:
Ion Ratio
57 100
41 91.
43 69.
56 53.6 41.8 62.6

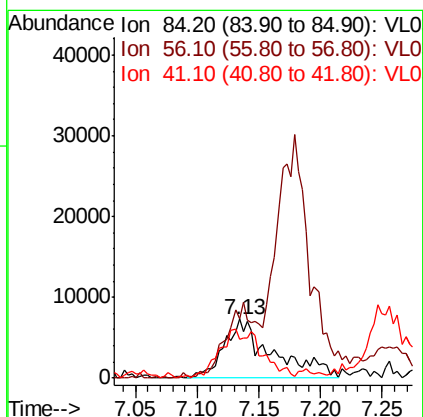
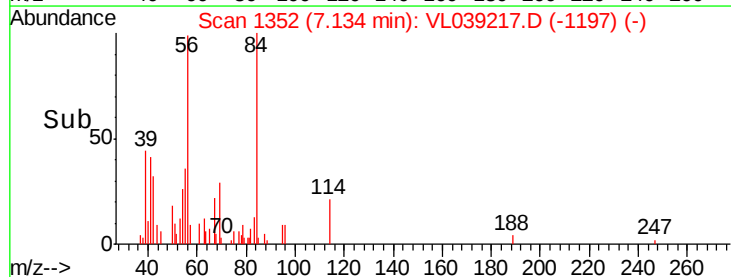
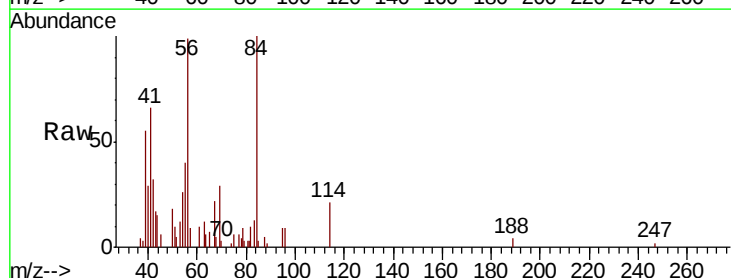
Manual Integrations
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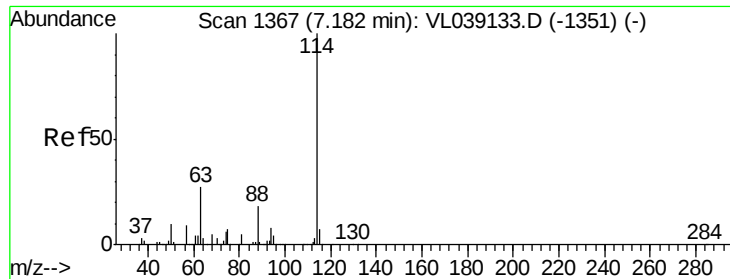
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#30
Cyclohexane
Concen: 0.266 ppbv m
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL039217.D
Acq: 7 Jun 2022 20:15

Tgt Ion: 84 Resp: 19881
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 76.3 68.9 103.3



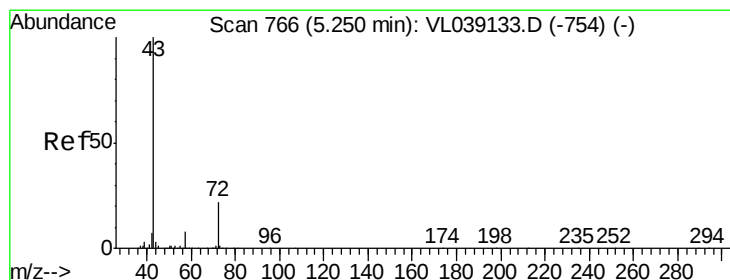
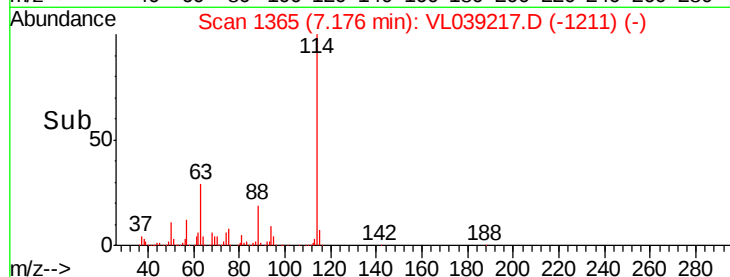
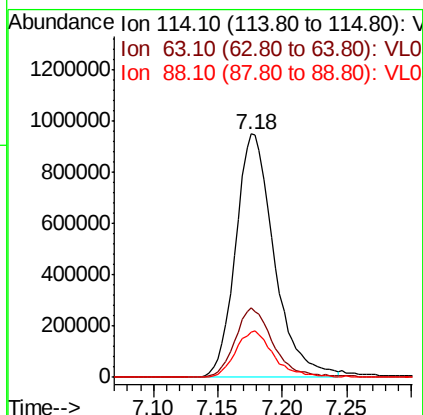
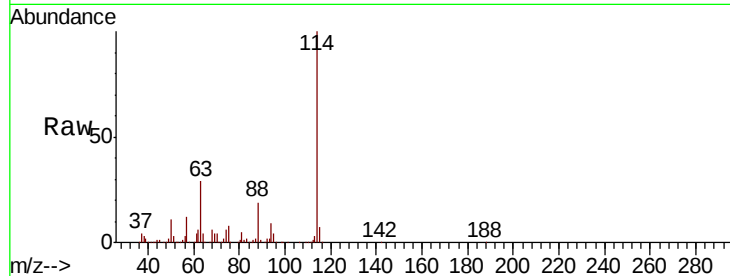


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 20:15

Tot Ion:1
 Ion Rati
 114 100
 63 28.
 88 19.

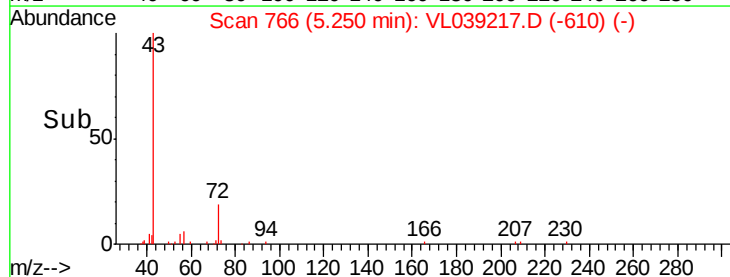
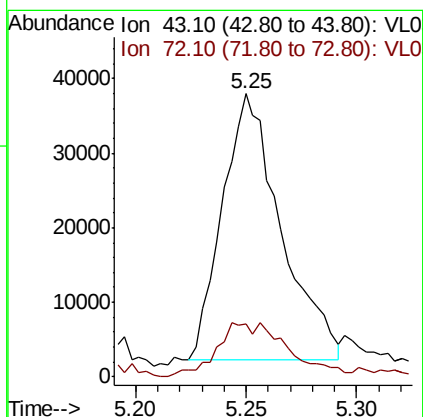
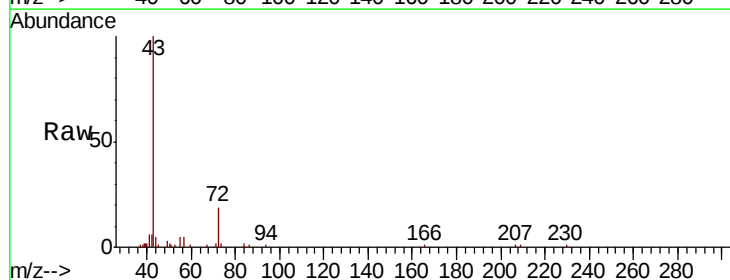
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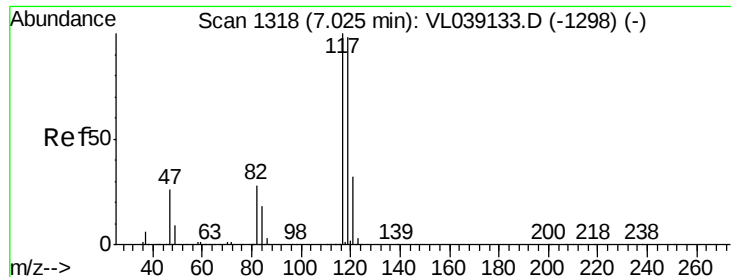
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#34
 2-Butanone
 Concen: 0.614 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL039217.D
 Acq: 7 Jun 2022 20:15

Tgt Ion: 43 Resp: 65917
 Ion Ratio Lower Upper
 43 100
 72 26.8 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.082 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

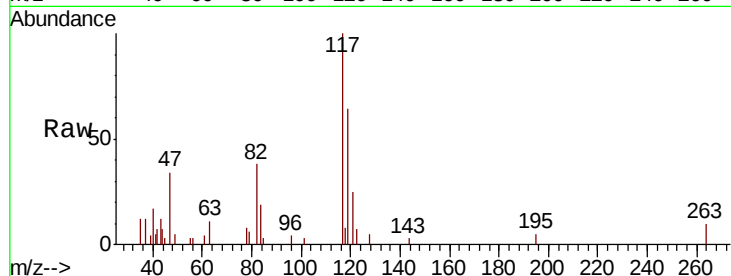
Lab File: ClientSampleId:

Acq: 7 Jun 2022 20:15

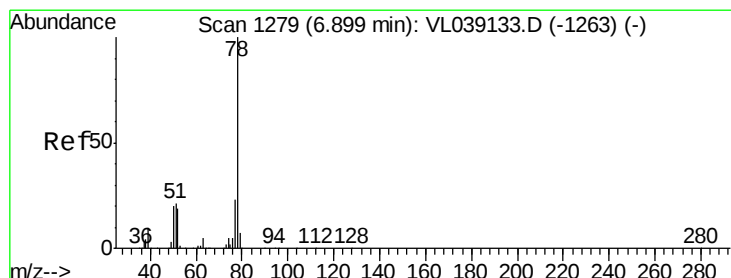
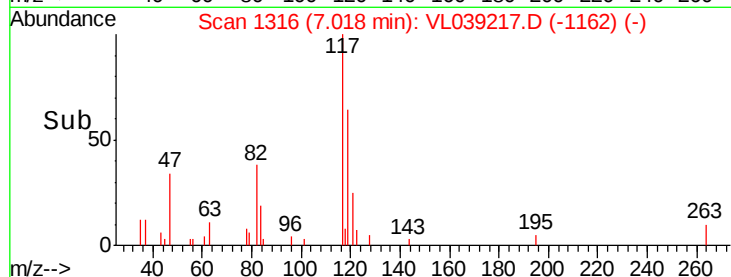
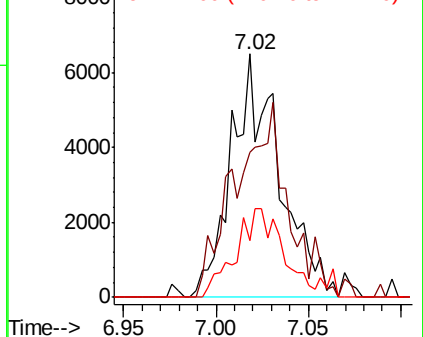
Tot Ion:1
Ion Rati
117 100
119 64.
121 25.

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Supervised By :Mahesh Dadoda 06/10/2022



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.219 ppbv m

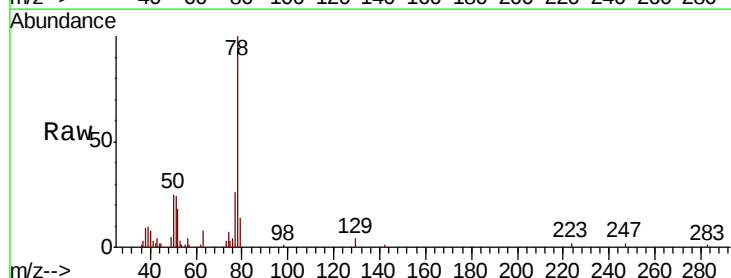
RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

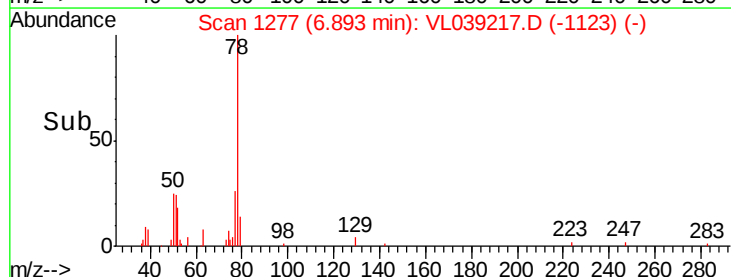
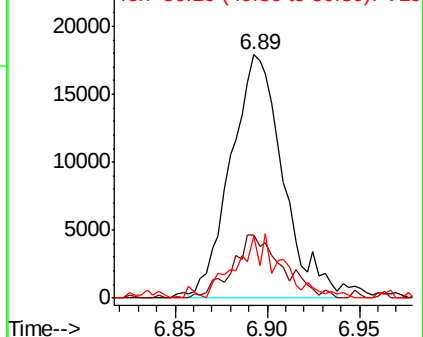
Lab File: VL039217.D

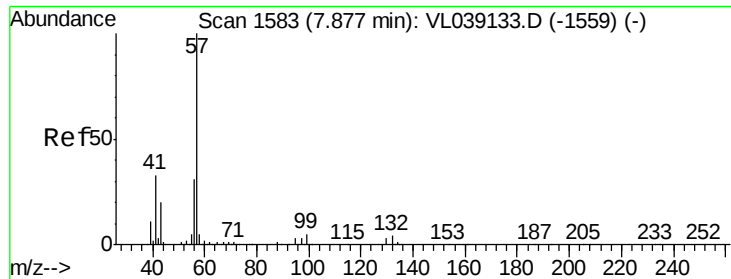
Acq: 7 Jun 2022 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	35096		
77	26.0		18.6	27.8
50	25.2		15.8	23.8#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



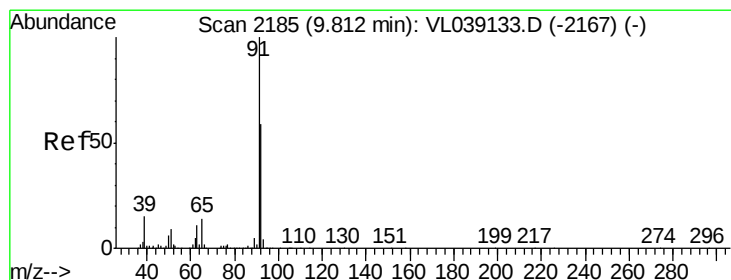
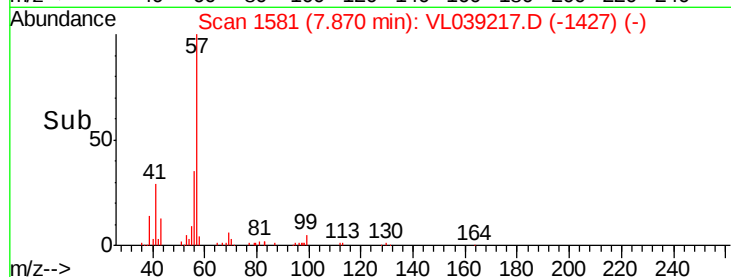
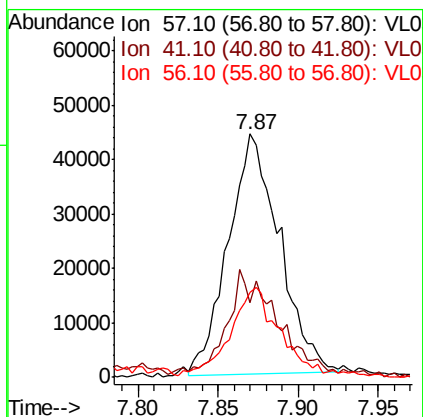
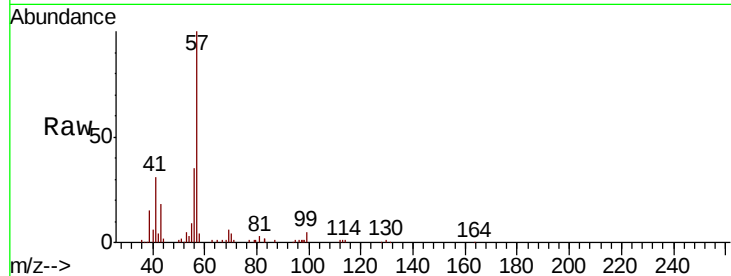


#44
 2,2,4-Trimethylpentane
 Concen: 0.344 ppbv
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 20:15

Tot Ion:
 Ion Ratio
 57 100
 41 42.
 56 38.

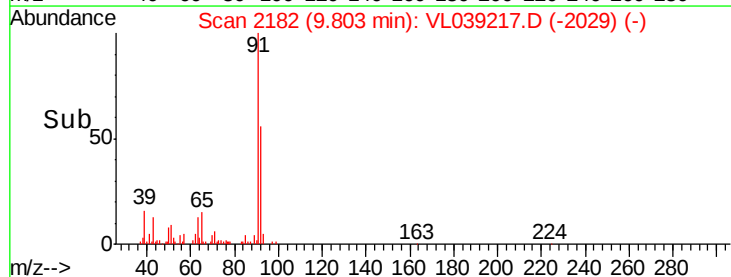
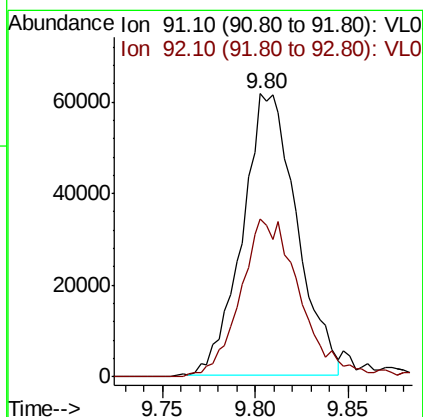
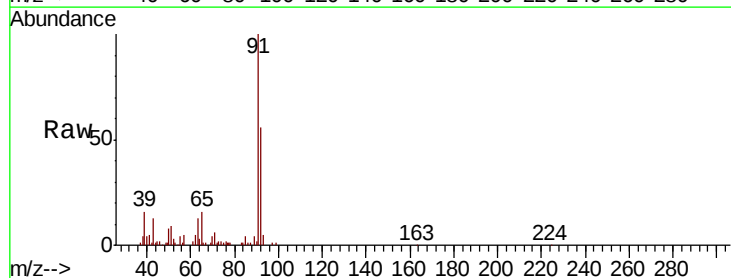
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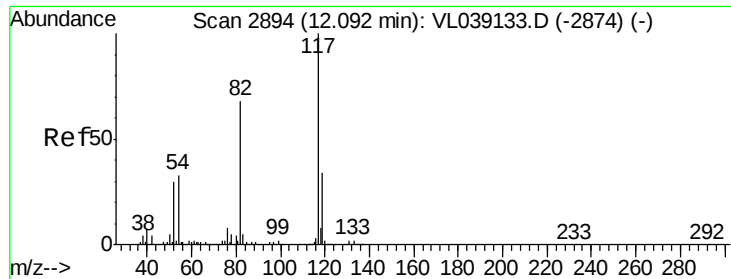
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#53
 Toluene
 Concen: 0.677 ppbv
 RT: 9.80 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: VL039217.D
 Acq: 7 Jun 2022 20:15

Tgt Ion: 91 Resp: 124939
 Ion Ratio Lower Upper
 91 100
 92 62.0 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 20:15

Tot Ion:1

Ion Rati

117 100

82 73.

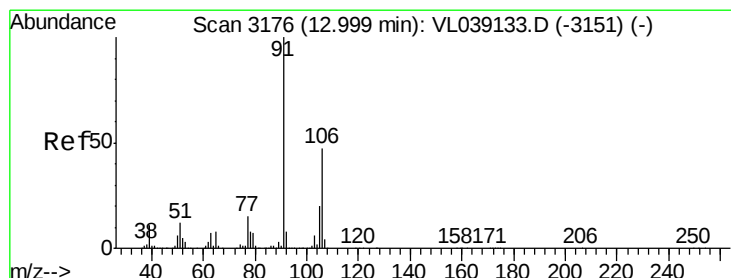
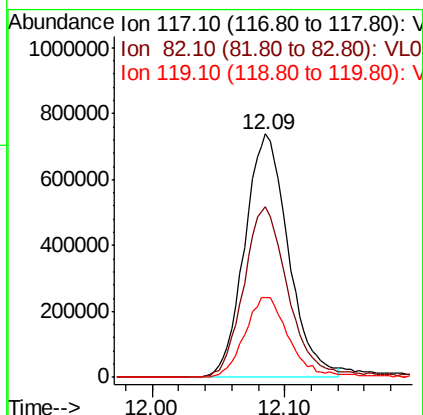
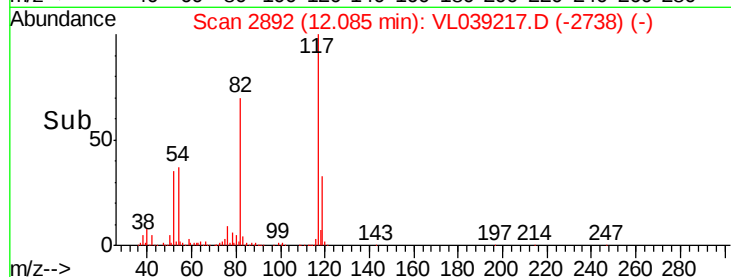
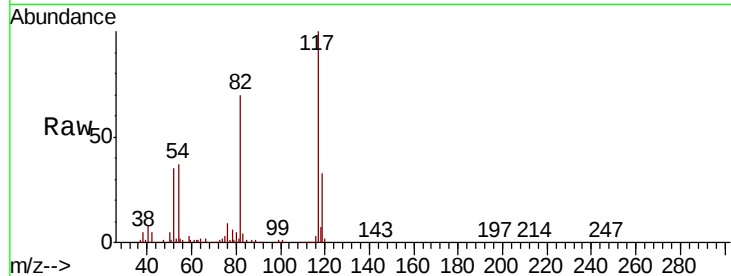
119 33.

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#59

m/p-Xylene

Concen: 0.183 ppbv m

RT: 12.96 min Scan# 3165

Delta R.T. -0.04 min

Lab File: VL039217.D

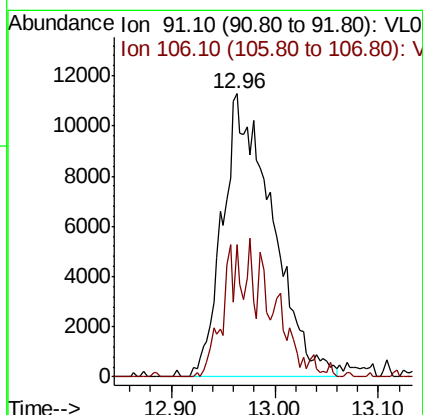
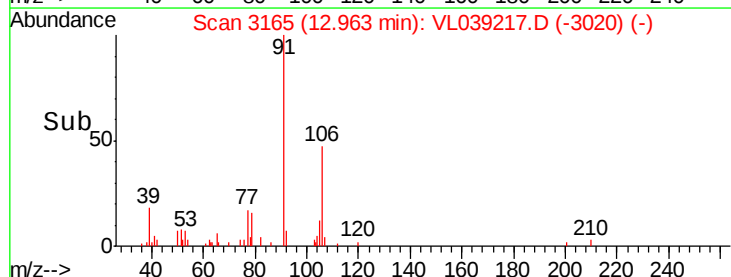
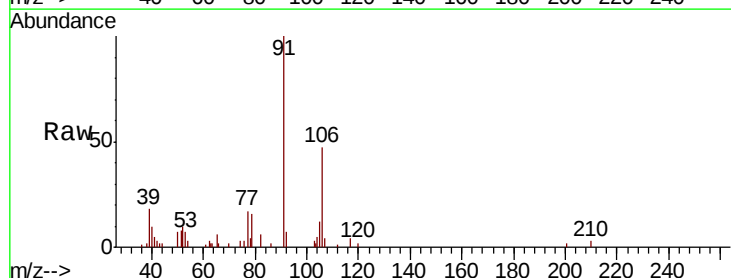
Acq: 7 Jun 2022 20:15

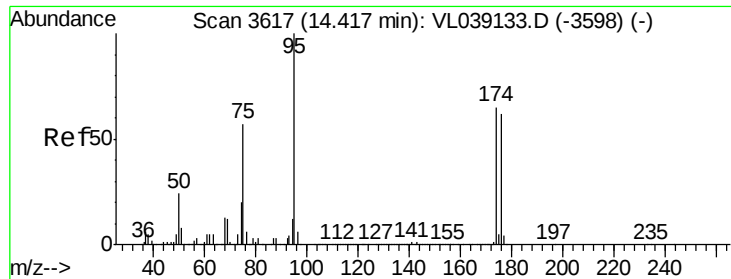
Tgt Ion: 91 Resp: 37428

Ion Ratio Lower Upper

91 100

106 43.7 34.3 51.5





#68

1-Bromo-4-Fluorobenzene

Concen: 10.251 ppbv

RT: 14.42

Delta R.T

Lab File: ClientSampleId :

Acq: 7 Jun 2022 20:15

Tot Ion:

Ion Ratio

95 100

174 62.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022

