

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039208.D
 Acq On : 7 Jun 2022 14:13
 Operator : SY/AP
 Sample : N3199-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 05:28:10 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	1004166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2698480	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2348411	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1946291	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	22686m	0.129	ppbv	
3) Chlorodifluoromethane	2.99	51	17764m	0.139	ppbv	
9) Propene	3.02	41	23189m	0.416	ppbv	
13) Ethanol	3.61	45	6995m	2.302	ppbv	
15) Acetone	3.86	43	142332m	1.361	ppbv	
17) tert-Butyl alcohol	4.31	59	9183m	0.113	ppbv	
19) Isopropyl Alcohol	3.98	45	9444m	0.192	ppbv	
20) Methylene Chloride	4.34	84	59286m	1.345	ppbv	
26) Hexane	5.68	57	93279m	0.900	ppbv	
27) Carbon Disulfide	4.56	76	11543m	0.107	ppbv	
29) Chloroform	5.75	83	90445	0.519	ppbv	96
34) 2-Butanone	5.25	43	184022m	1.255	ppbv	
51) 2-Hexanone	10.14	43	82945	0.486	ppbv #	95
52) Tetrachloroethene	11.22	164	193997	2.268	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	45885m	0.145	ppbv	
79) Naphthalene	22.19	128	30495m	0.125	ppbv	

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

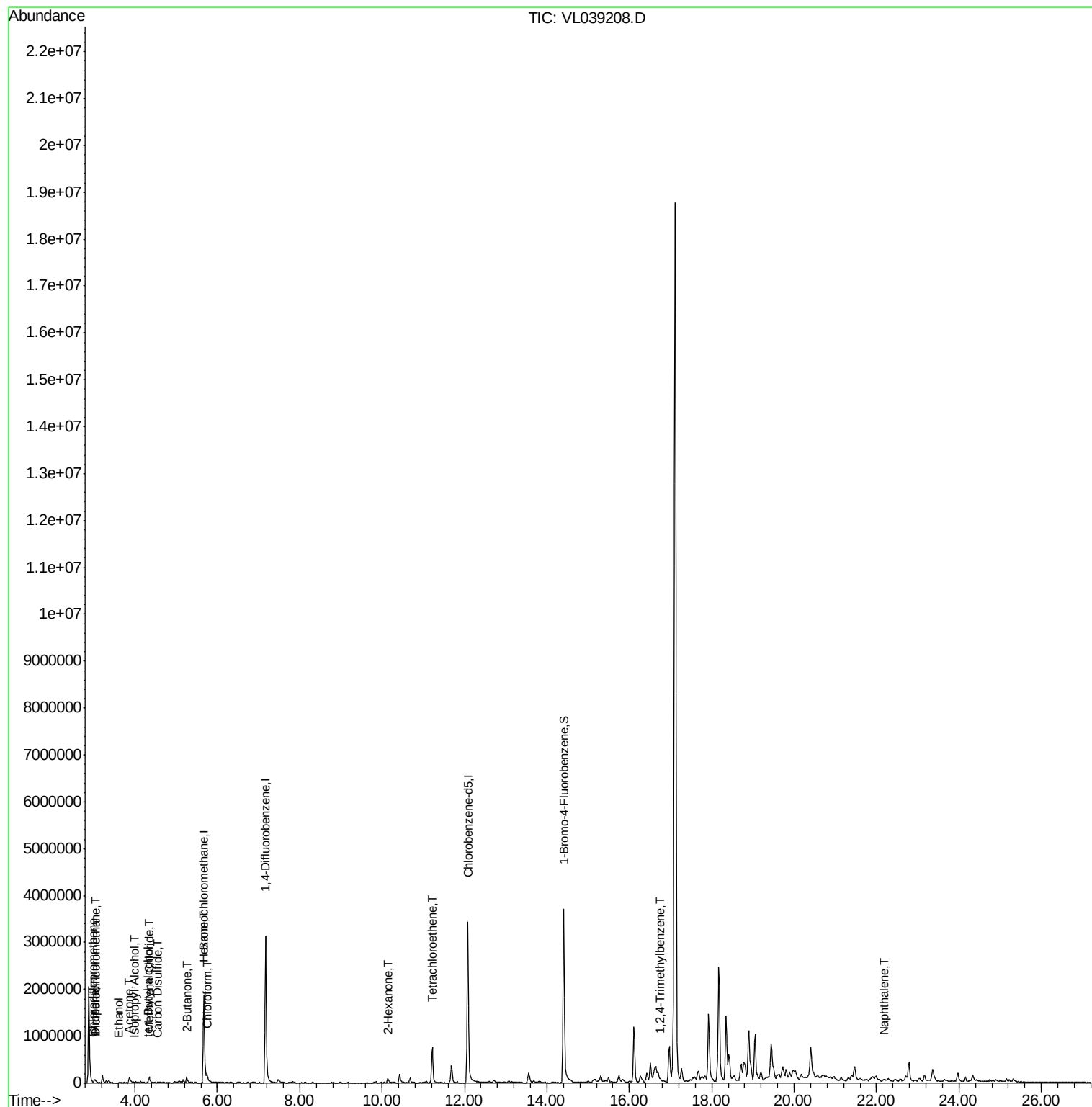
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039208.D
Acq On : 7 Jun 2022 14:13
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Sample : N3199-01 4X
Misc : 400mL/MSVOA L
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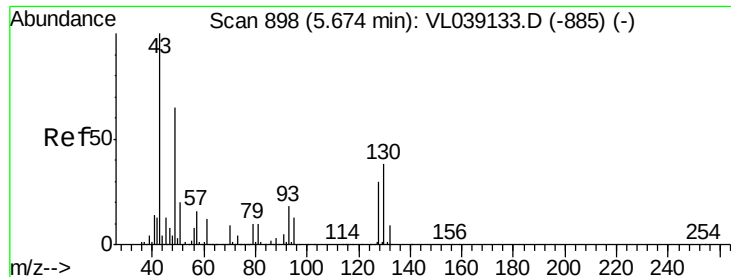
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
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Quant Time: Jun 08 05:28:10 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

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: SV1

Acq: 7 Jun 2022 14:13

Tot Ion:

Ion Ratio

49 100

128 51.

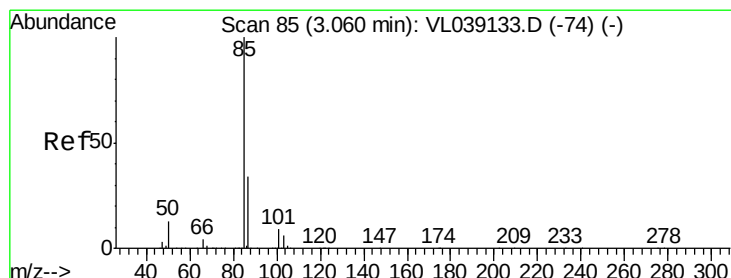
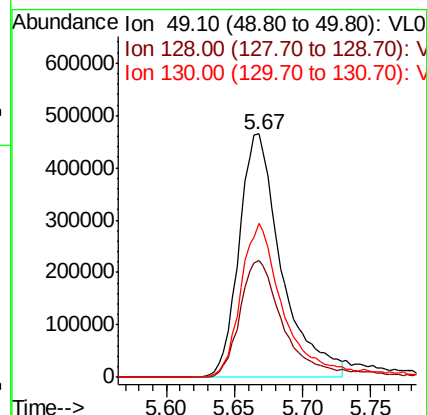
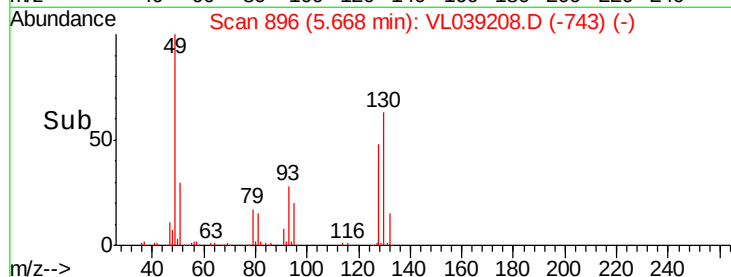
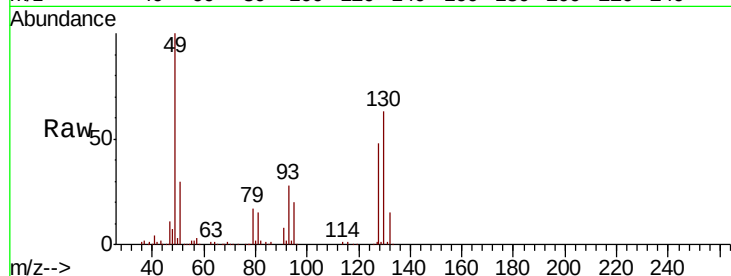
130 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#2

Dichlorodifluoromethane

Concen: 0.129 ppbv m

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039208.D

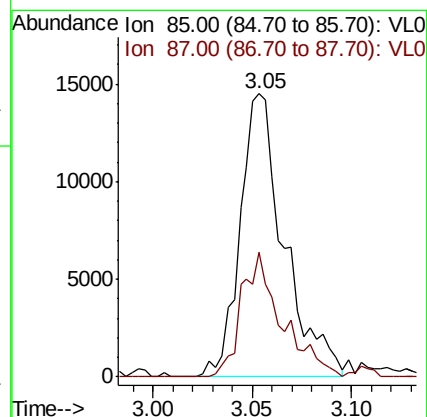
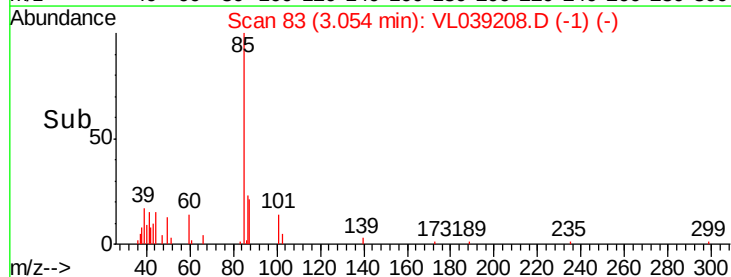
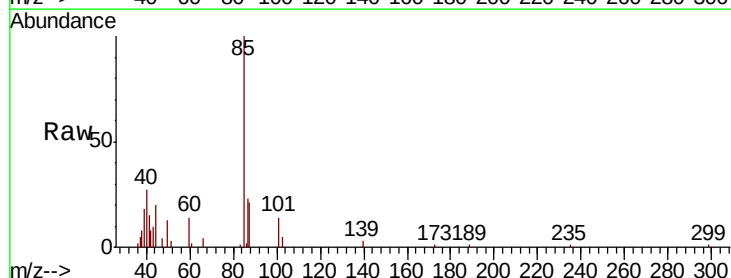
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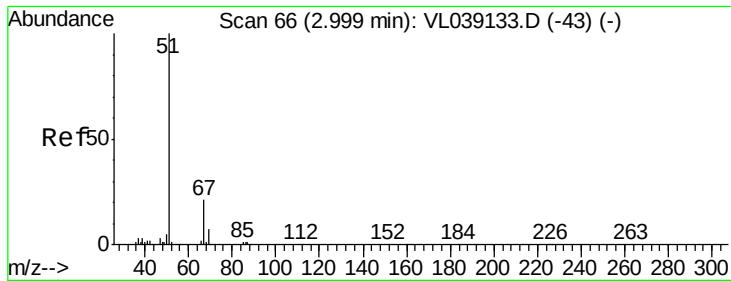
Tgt Ion: 85 Resp: 22686

Ion Ratio Lower Upper

85 100

87 23.2 26.9 40.3#





#3

Chlorodifluoromethane

Concen: 0.139 ppbv m

RT: 2.99 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SV1

Acq: 7 Jun 2022 14:13

Tot Ion:

Ion Ratio

51 100

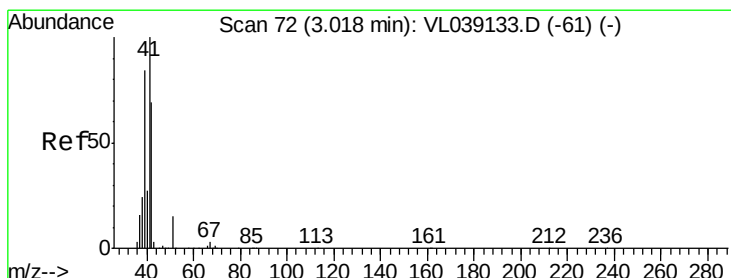
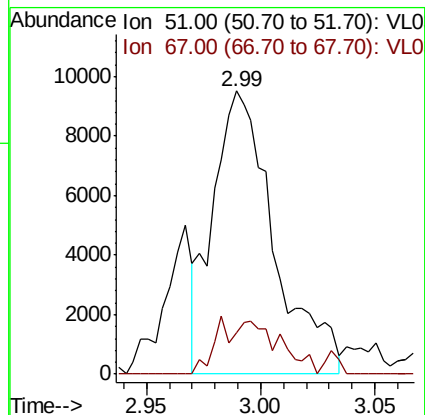
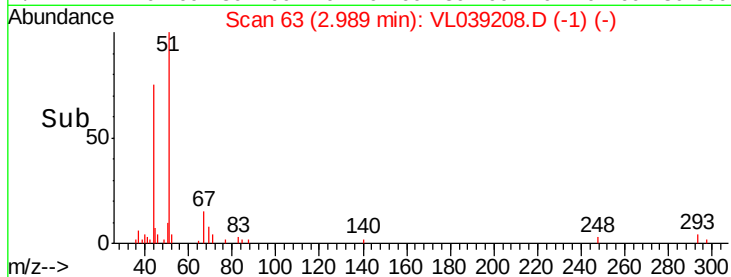
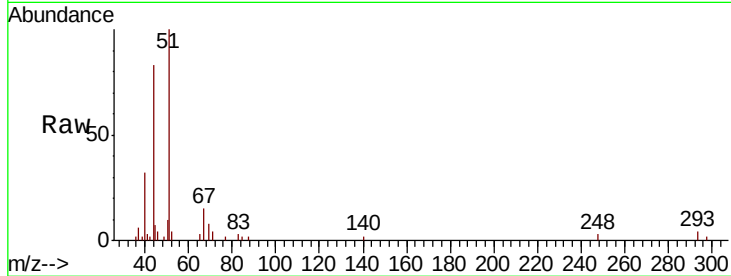
67 20.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#9

Propene

Concen: 0.416 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL039208.D

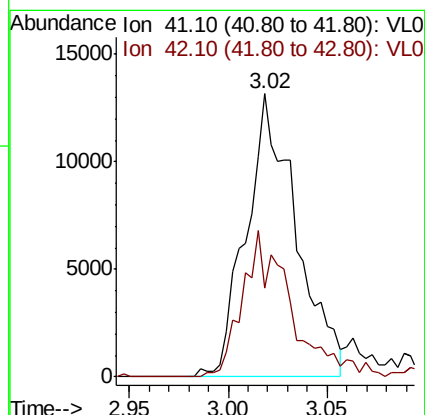
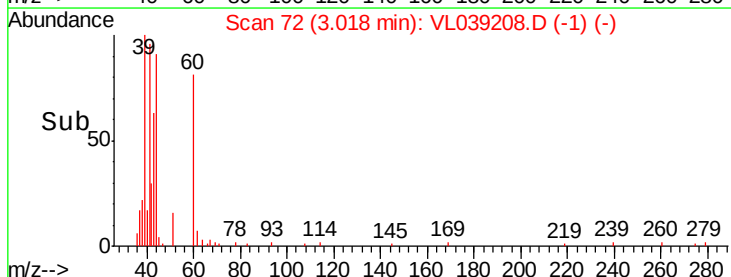
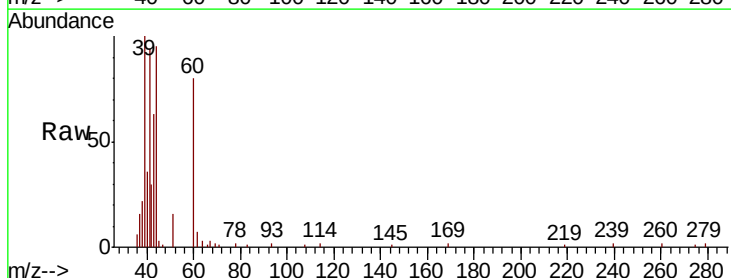
Acq: 7 Jun 2022 14:13

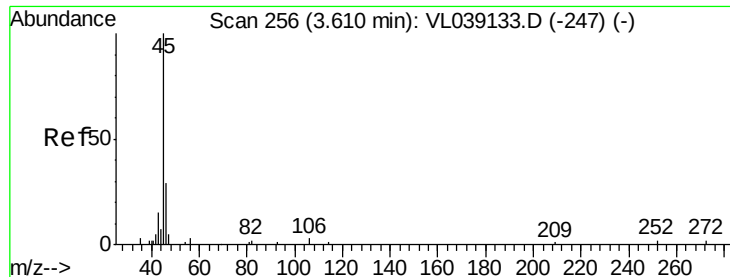
Tgt Ion: 41 Resp: 23189

Ion Ratio Lower Upper

41 100

42 51.3 55.4 83.2#



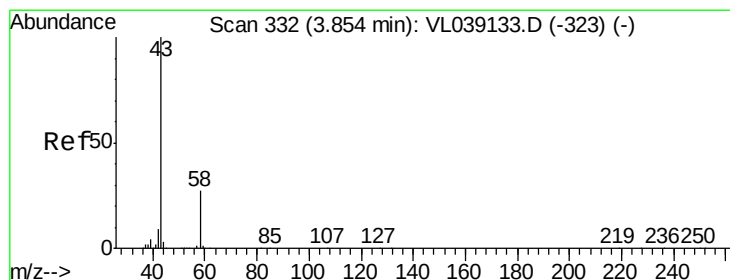
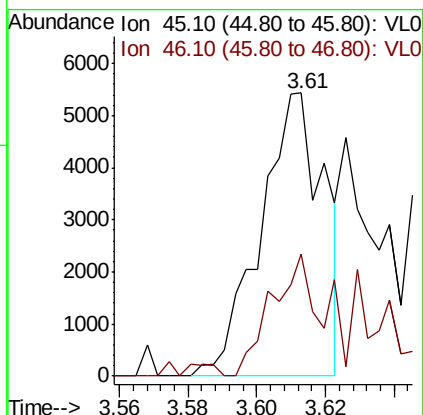
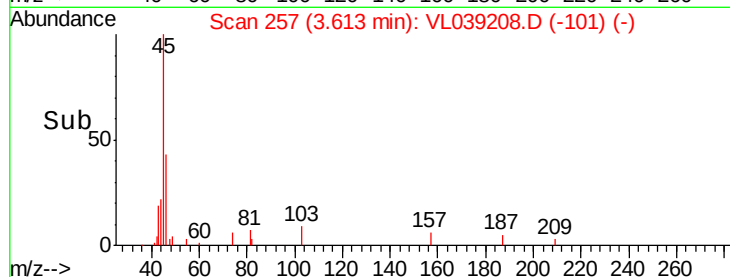
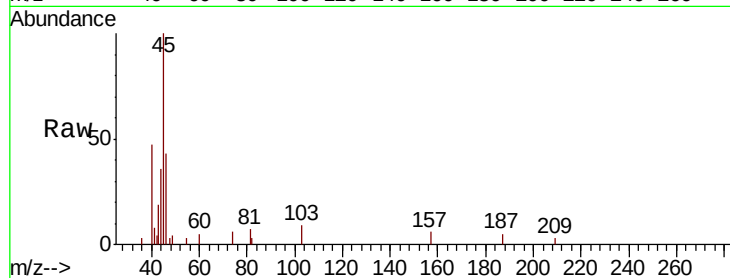


#13
Ethanol
Concen: 2.302 ppbv m
RT: 3.61
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 14:13

Tot Ion:
Ion Ratio
45 100
46 58.

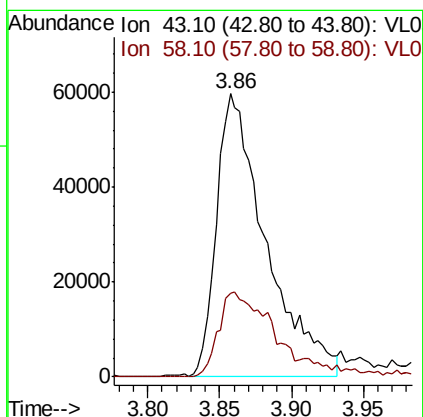
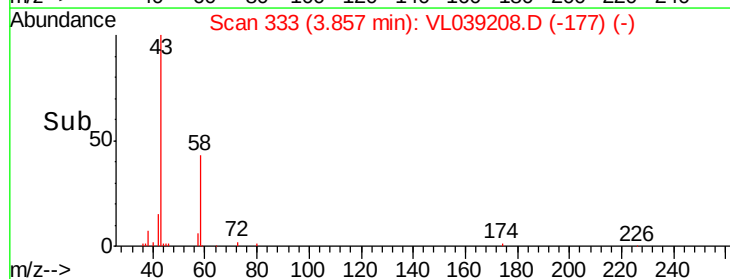
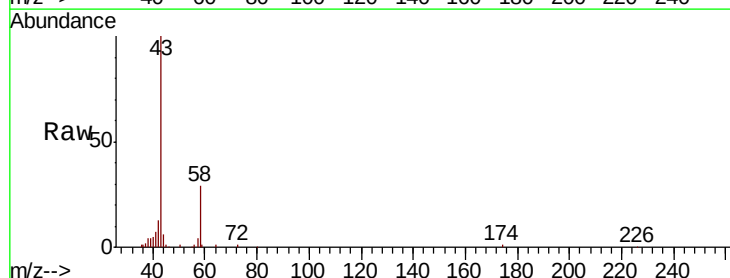
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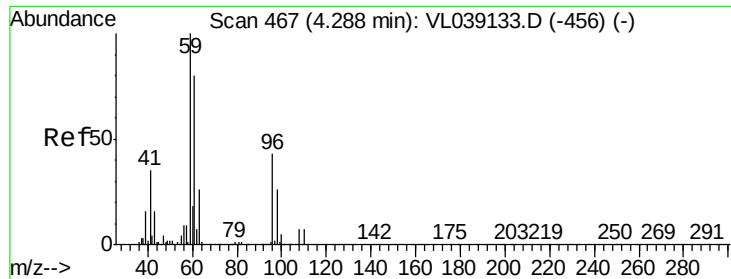
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#15
Acetone
Concen: 1.361 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL039208.D
Acq: 7 Jun 2022 14:13

Tgt Ion: 43 Resp: 142332
Ion Ratio Lower Upper
43 100
58 37.0 22.5 33.7#





#17

tert-Butyl alcohol

Concen: 0.113 ppbv m

RT: 4.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 14:13 SV1

Tot Ion:

Ion Ratio

59 100

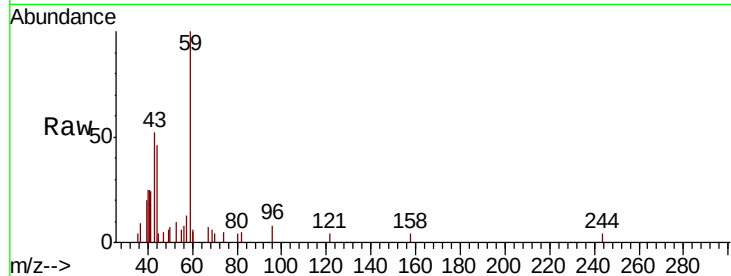
57 0.

Manual Integrations

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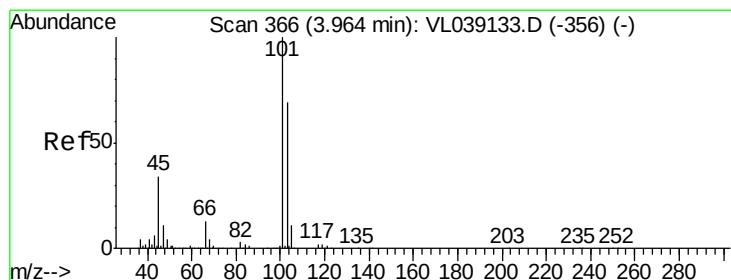
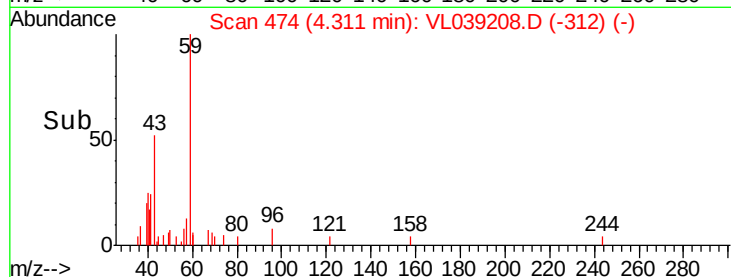
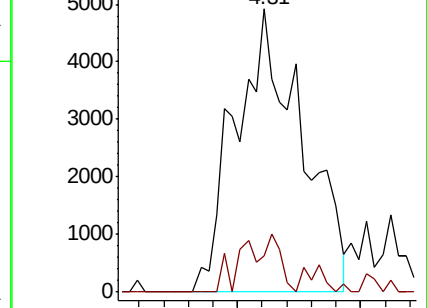
Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#19

Isopropyl Alcohol

Concen: 0.192 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL039208.D

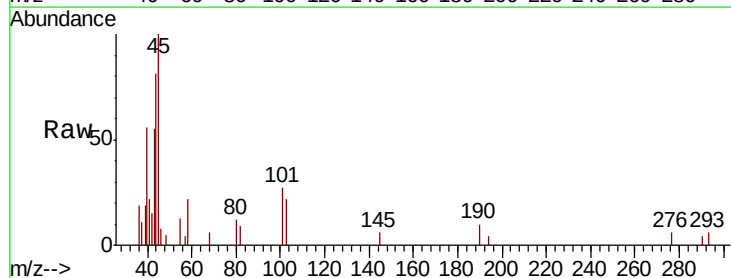
Acq: 7 Jun 2022 14:13

Tgt Ion: 45 Resp: 9444

Ion Ratio Lower Upper

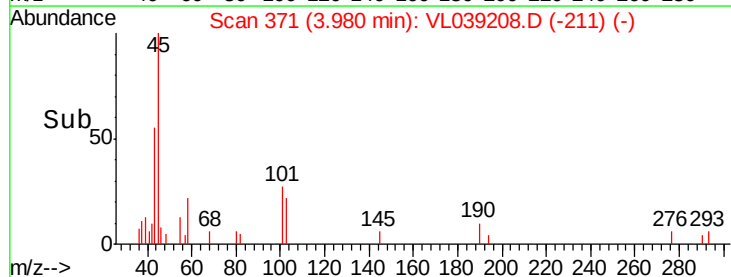
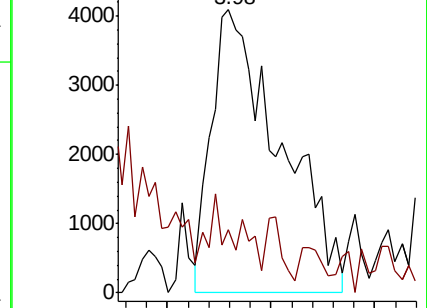
45 100

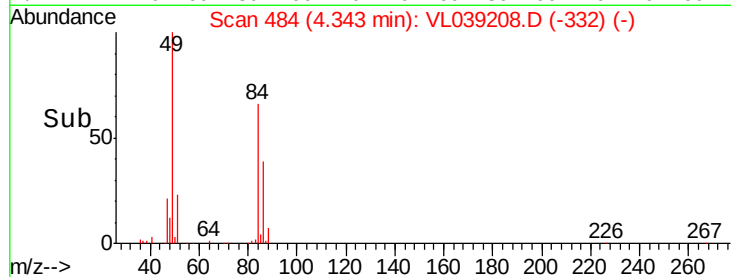
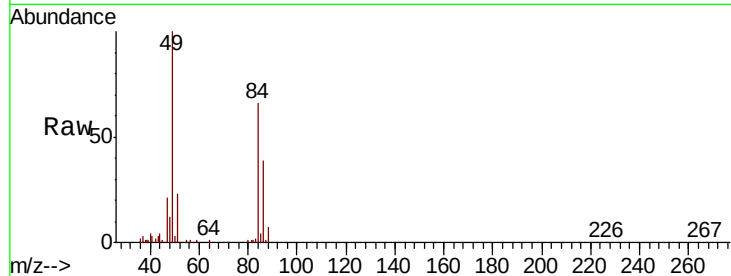
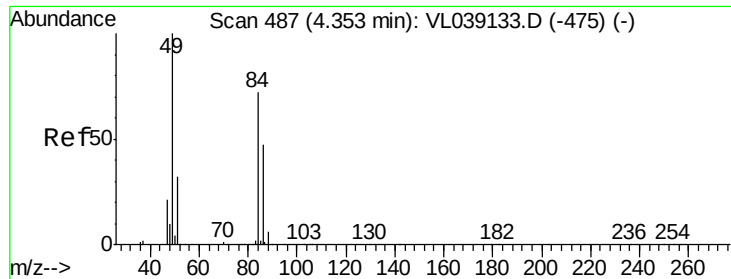
58 0.0 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



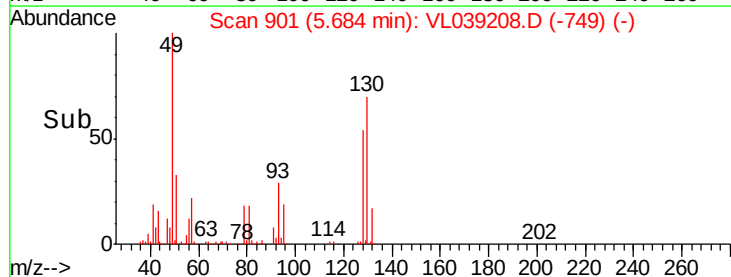
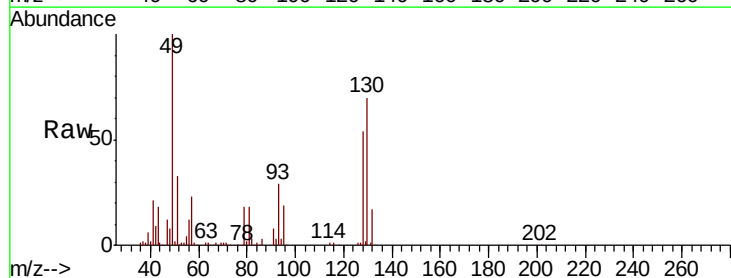
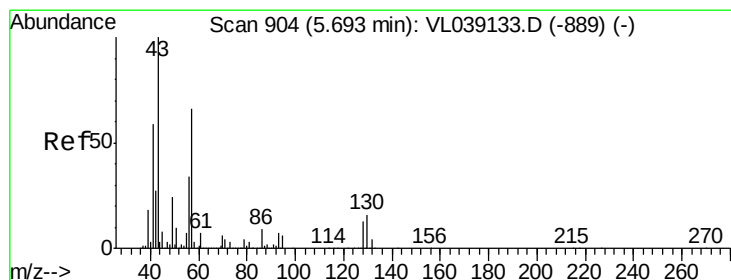
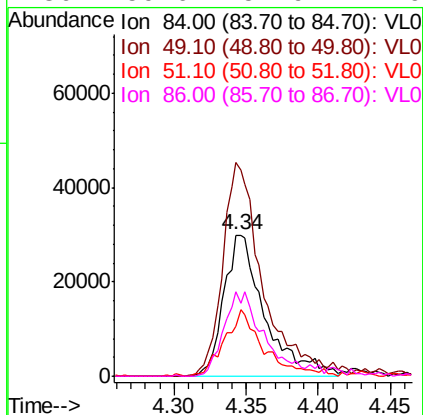


#20
Methvlene Chloride
Concen: 1.345 ppbv m
RT: 4.34
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 7 Jun 2022 14:13

Tot Ion:
Ion Ratio
84 100
49 151.
51 35.
86 59.6 51.9 77.9

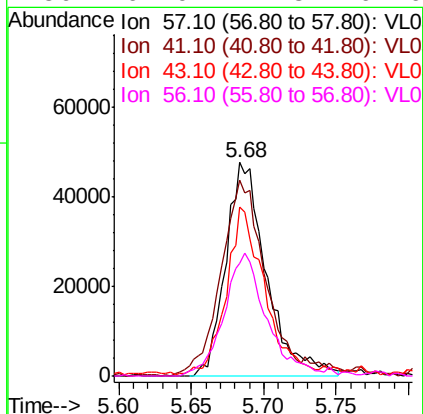
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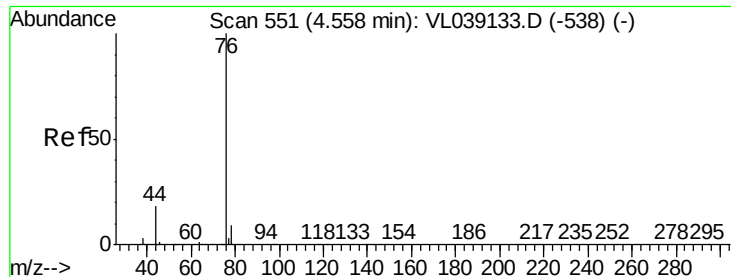
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#26
Hexane
Concen: 0.900 ppbv m
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL039208.D
Acq: 7 Jun 2022 14:13

Tgt Ion: 57 Resp: 93279
Ion Ratio Lower Upper
57 100
41 105.7 72.4 108.6
43 78.4 187.0 280.6#
56 61.0 41.8 62.6





#27

Carbon Disulfide

Concen: 0.107 ppbv m

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 14:13 SV1

Tot Ion:

Ion Ratio

76 100

44 41.

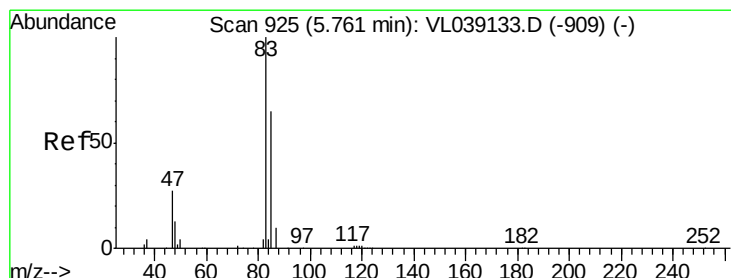
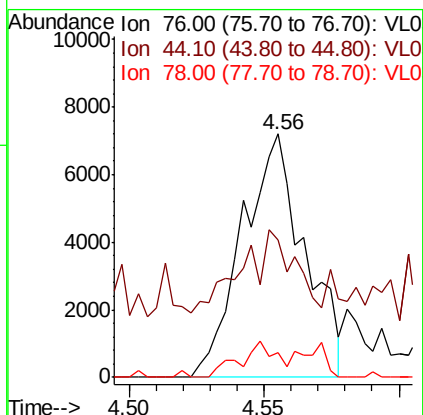
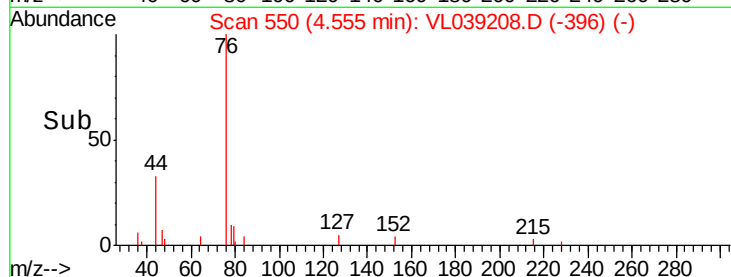
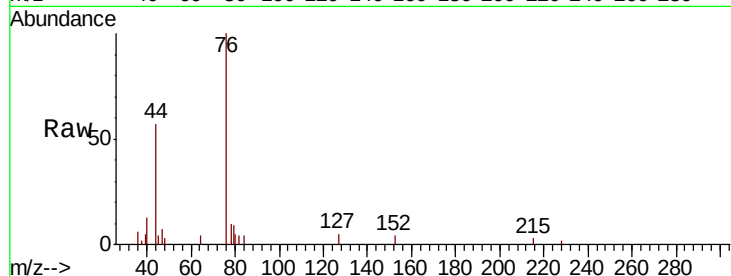
78 14.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#29

Chloroform

Concen: 0.519 ppbv

RT: 5.75 min Scan# 922

Delta R.T. -0.01 min

Lab File: VL039208.D

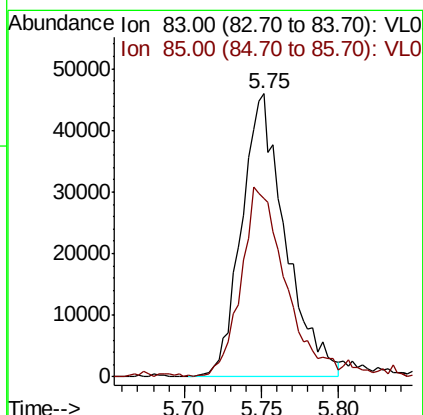
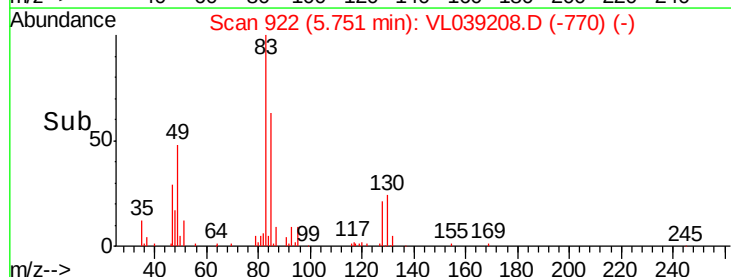
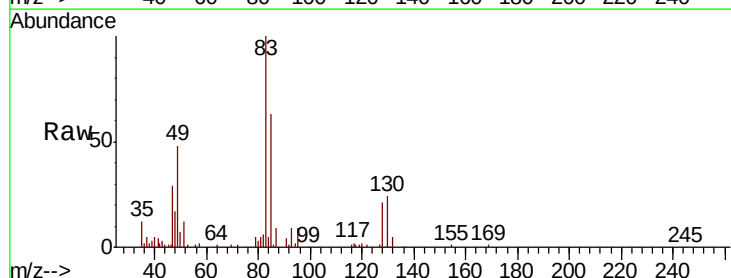
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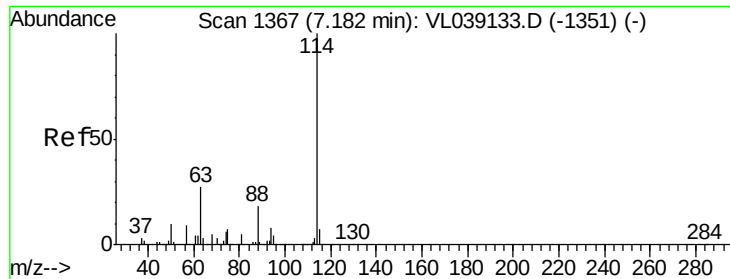
Tgt Ion: 83 Resp: 90445

Ion Ratio Lower Upper

83 100

85 62.5 52.4 78.6



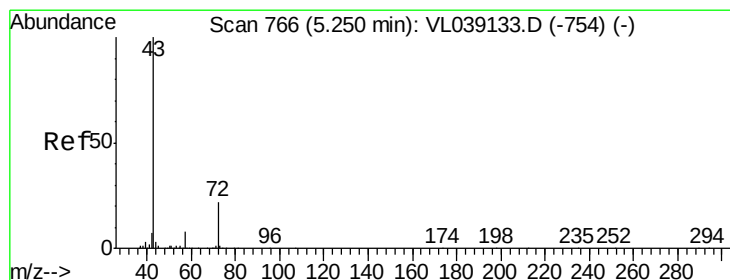
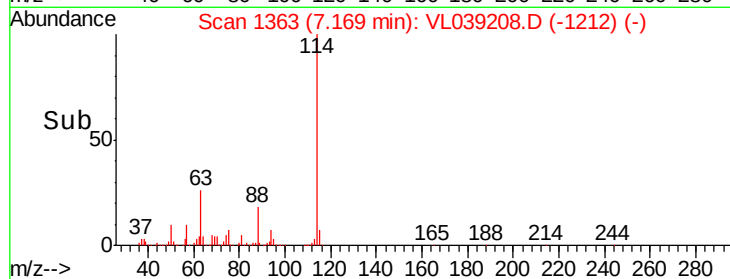
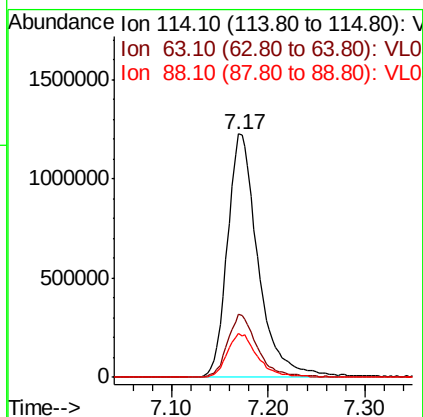
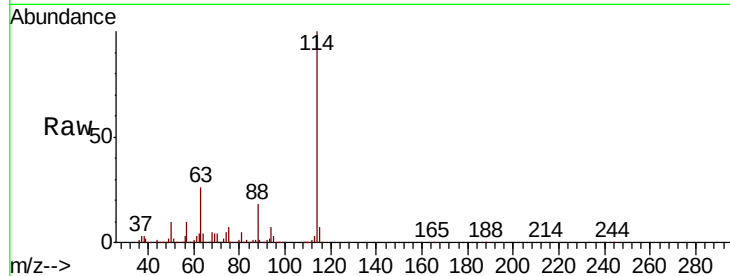


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 14:13

Tot Ion:1
 Ion Rati
 114 100
 63 25.
 88 17.

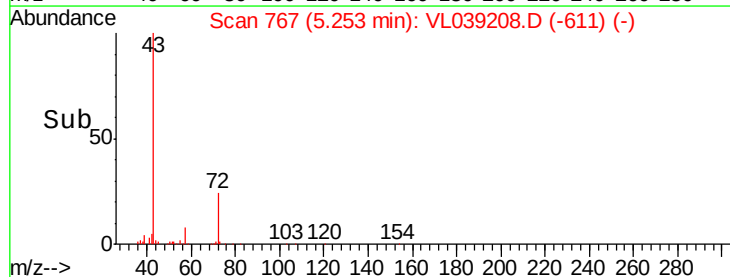
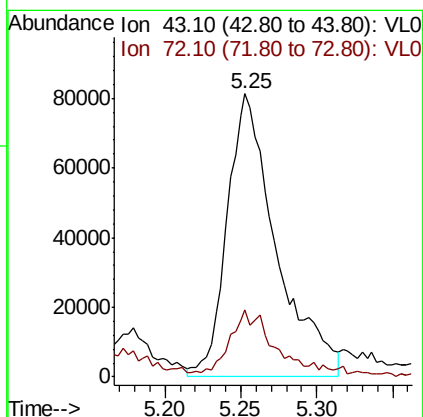
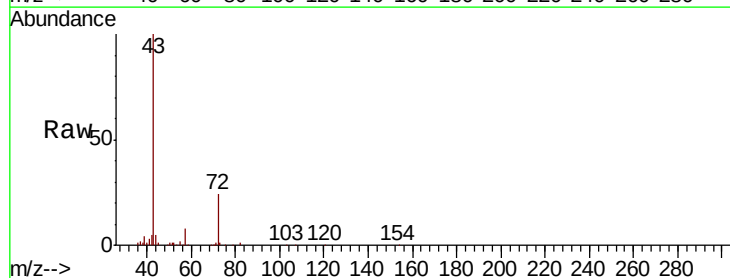
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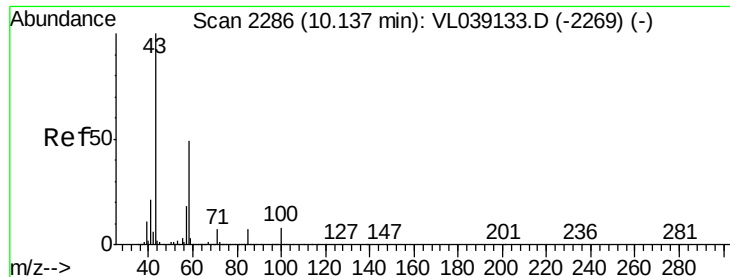
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#34
 2-Butanone
 Concen: 1.255 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL039208.D
 Acq: 7 Jun 2022 14:13

Tgt Ion: 43 Resp: 184022
 Ion Ratio Lower Upper
 43 100
 72 24.6 18.2 27.2





#51

2-Hexanone

Concen: 0.486 ppbv

RT: 10.14

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 14:13

ClientSampleId :

SV1

Tot Ion:

Ion Ratio

43 100

58 53.

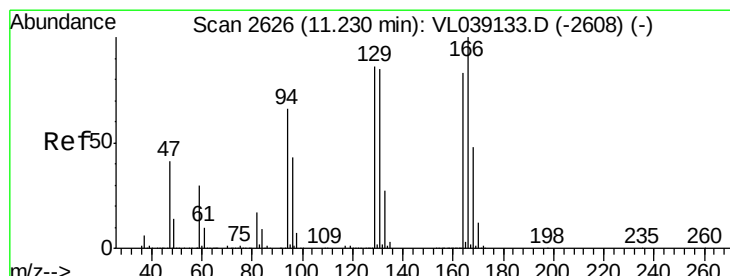
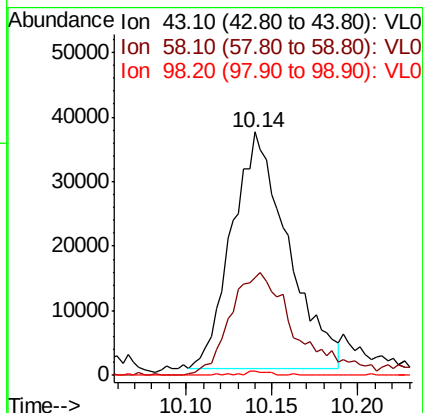
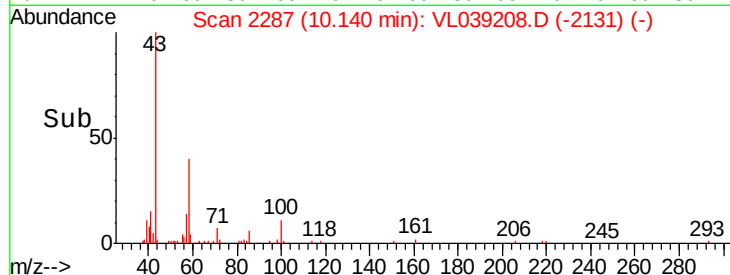
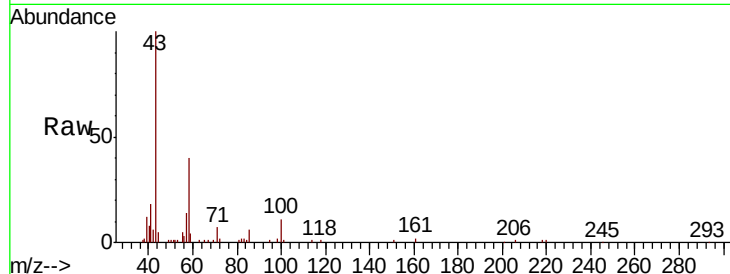
98 0.

Manual Integrations

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#52

Tetrachloroethene

Concen: 2.268 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL039208.D

Acq: 7 Jun 2022 14:13

Tgt Ion:164 Resp: 193997

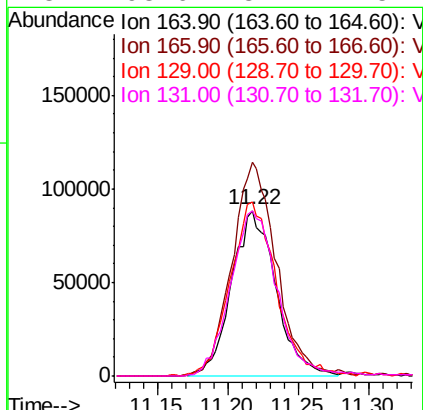
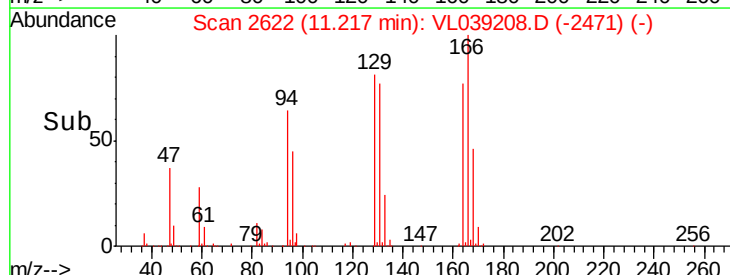
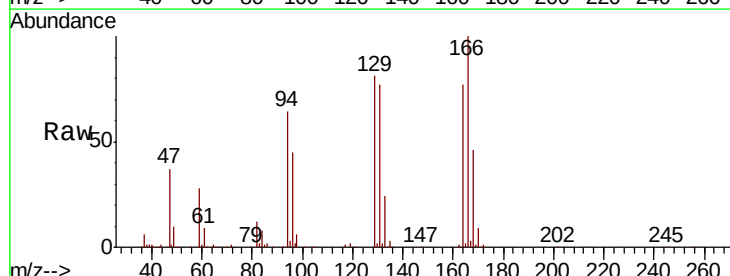
Ion Ratio Lower Upper

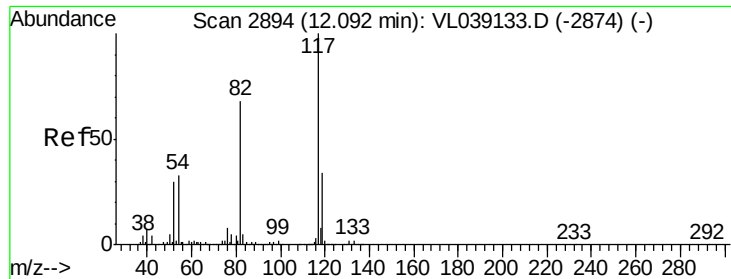
164 100

166 128.3 96.3 144.5

129 103.3 82.5 123.7

131 98.6 82.1 123.1



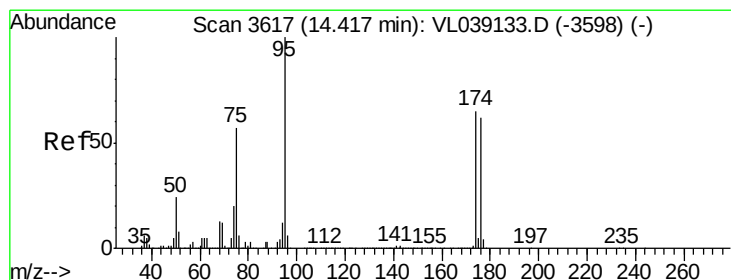
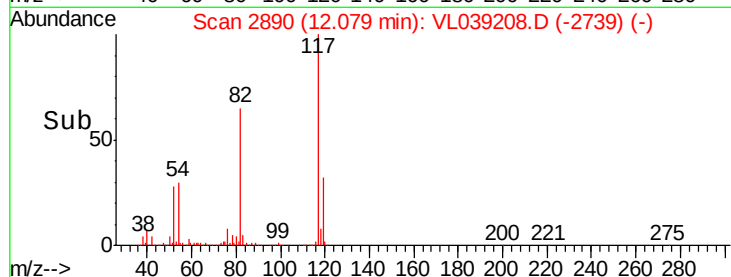
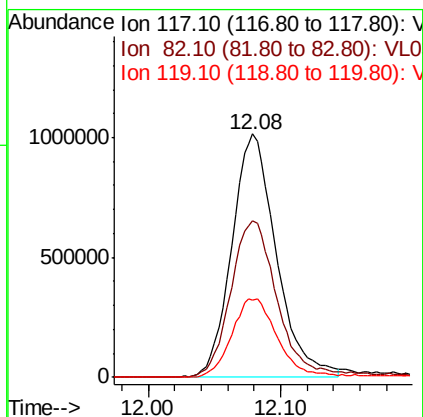
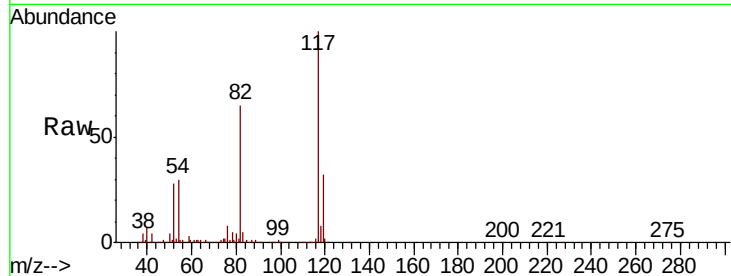


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 14:13

Tot Ion: 1
 Ion Ratio
 117 100
 82 70.
 119 34.

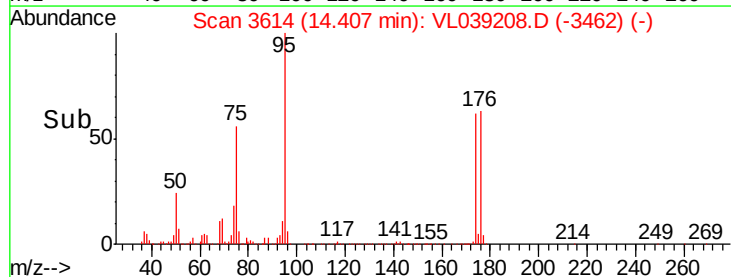
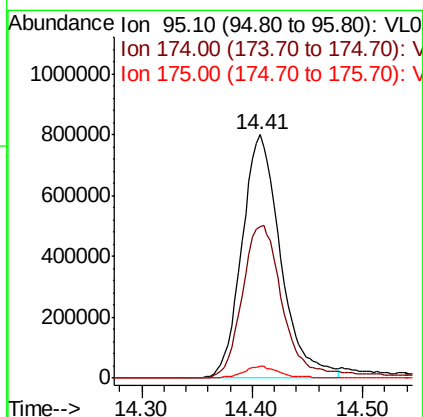
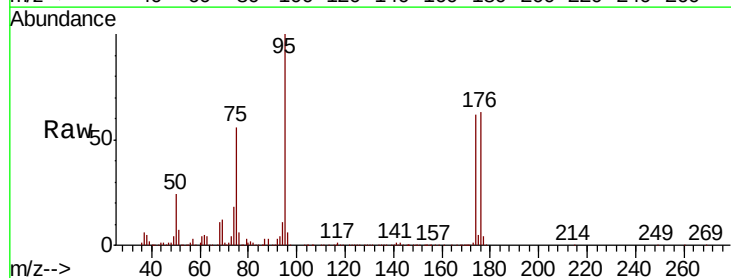
Manual Integrations
 APPROVED

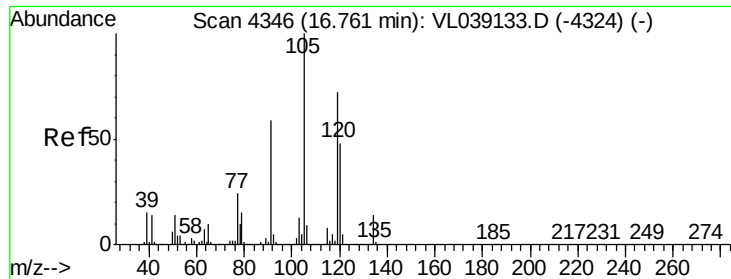
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.025 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.01 min
 Lab File: VL039208.D
 Acq: 7 Jun 2022 14:13

Tgt Ion: 95 Resp: 1946291
 Ion Ratio Lower Upper
 95 100
 174 68.9 53.8 80.8
 175 4.8 4.1 6.1



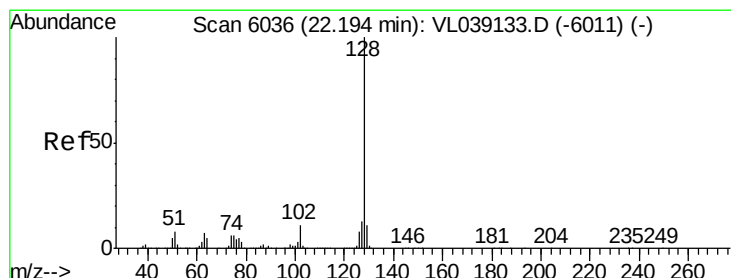
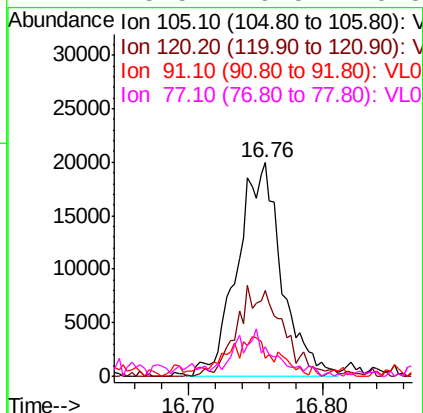
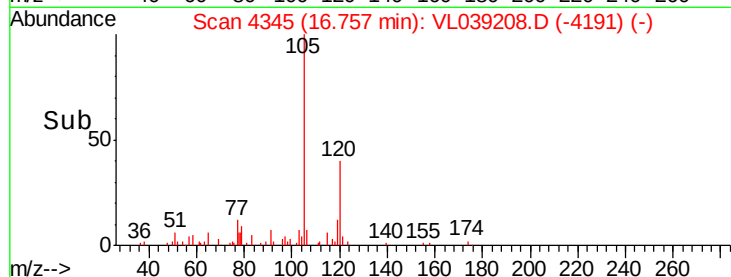
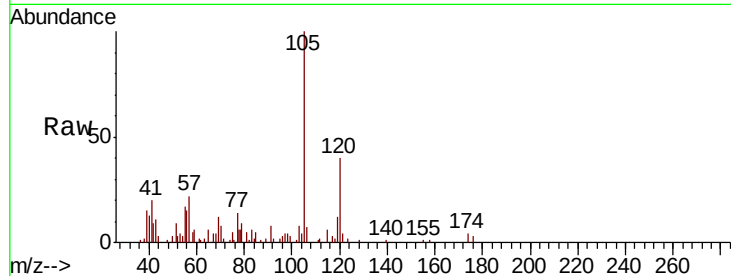


#74
 1,2,4-Trimethylbenzene
 Concen: 0.145 ppbv m
 RT: 16.76
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 14:13

Tot Ion:1
 Ion Rati
 105 100
 120 40.
 91 8.
 77 13.5 19.5 29.3#

Manual Integrations
 APPROVED

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



#79
 Naphthalene
 Concen: 0.125 ppbv m
 RT: 22.19 min Scan# 6034
 Delta R.T. -0.01 min
 Lab File: VL039208.D
 Acq: 7 Jun 2022 14:13

Tgt Ion:128 Resp: 30495
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.4 15.6#
 129 12.5 9.0 13.6

