

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038487.D
 Acq On : 2 Mar 2022 18:29
 Operator : SY/AP
 Sample : N1724-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 05 16:20:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	977901	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2619337	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2308012	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3253756	17.04	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	170.40%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	32061m	0.511	ppbv	
9) Propene	3.02	41	3116275m	54.658	ppbv	
10) Heptane	8.13	43	652691	4.703	ppbv	99
13) Ethanol	3.61	45	66975m	11.771	ppbv	
15) Acetone	3.85	43	350537m	4.215	ppbv	
19) Isopropyl Alcohol	3.98	45	55072m	1.144	ppbv	
20) Methylene Chloride	4.34	84	22931	0.557	ppbv #	89
26) Hexane	5.69	57	868898	8.588	ppbv #	45
27) Carbon Disulfide	4.56	76	86006	0.764	ppbv	97
30) Cyclohexane	7.13	84	674604	8.153	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	46127	0.471	ppbv	99
34) 2-Butanone	5.25	43	137373	1.668	ppbv #	87
36) Benzene	6.89	78	275771	1.196	ppbv #	94
52) Tetrachloroethene	11.23	164	10116m	0.132	ppbv	
53) Toluene	9.80	91	92941m	0.371	ppbv	
62) Isopropylbenzene	14.67	105	88386m	0.257	ppbv	

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

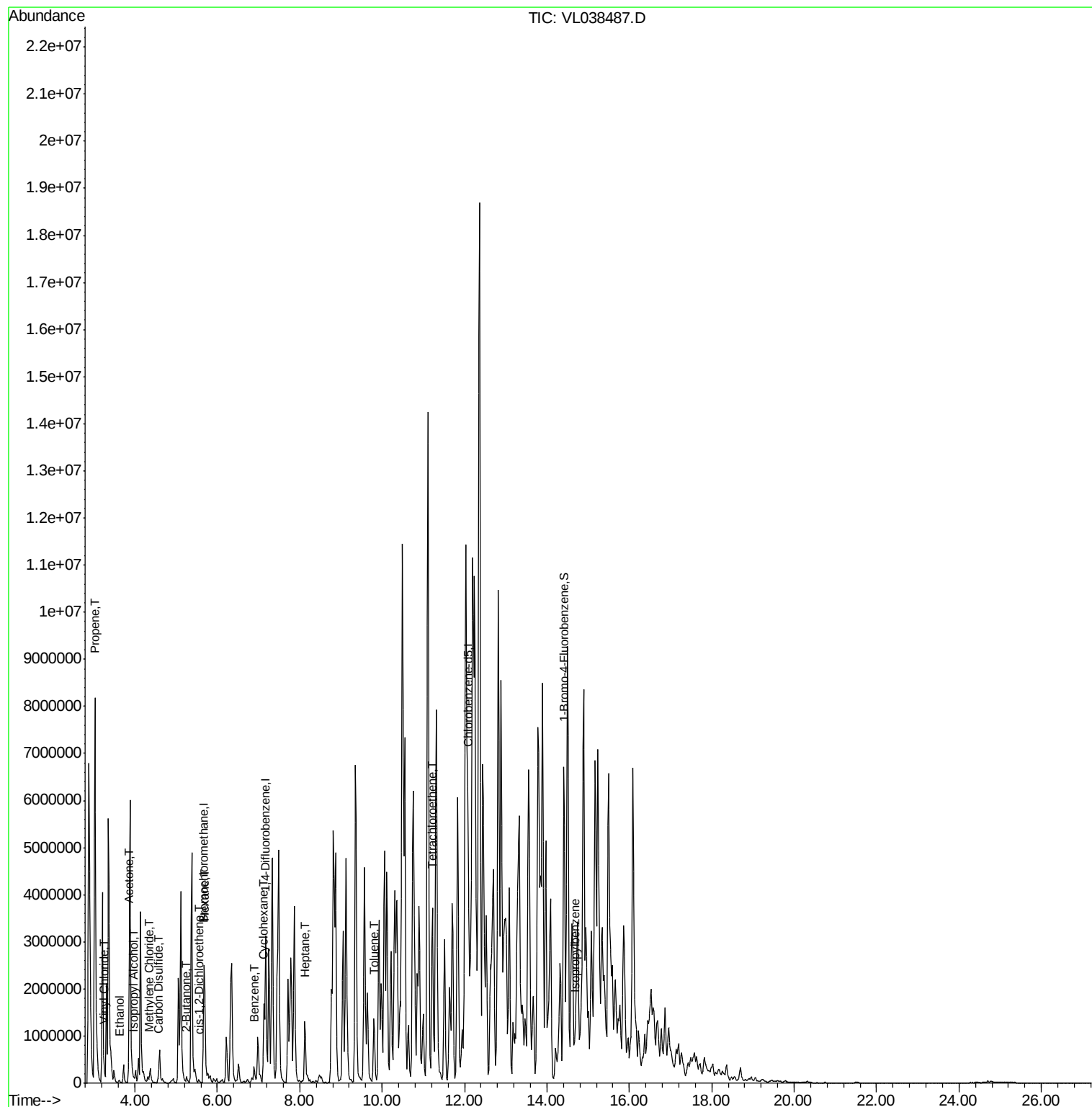
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
Data File : VL038487.D
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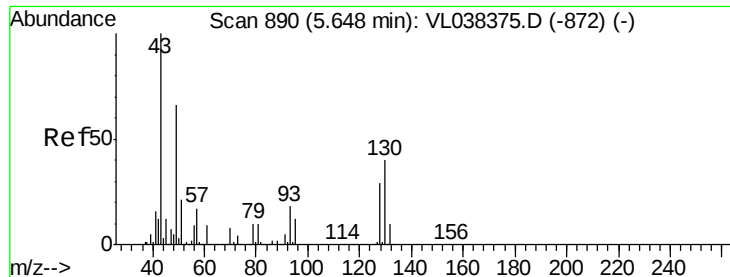
Instrument :
MSVOA_L
ClientSampleId :
SV-1DL

Quant Time: Mar 05 16:20:13 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV-1DL

Acq: 2 Mar 2022 18:29

Tot Ion:

Ion Ratio

49 100

128 50.

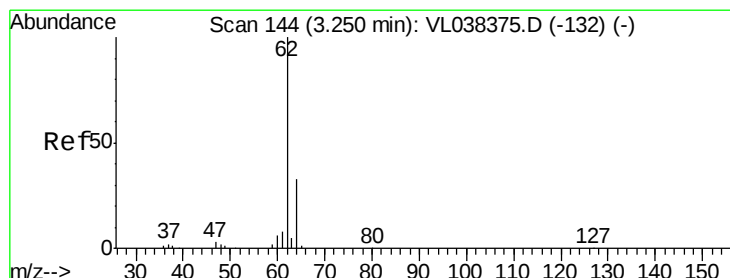
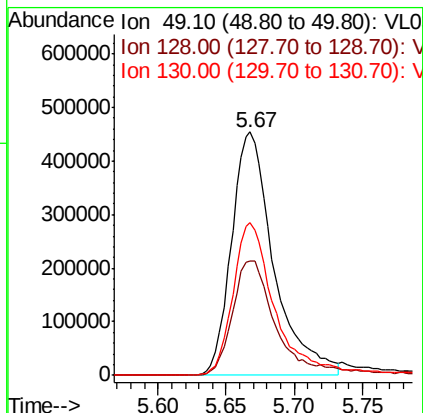
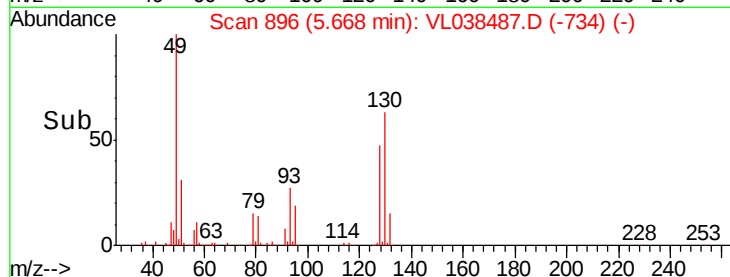
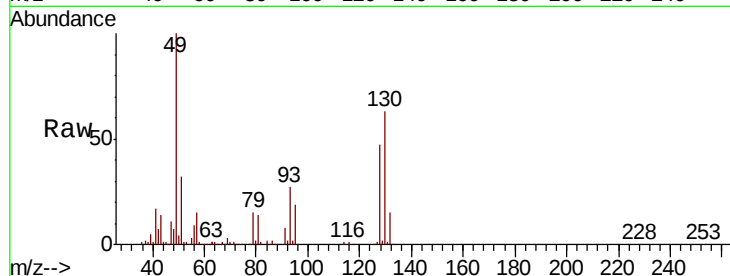
130 65.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#5

Vinyl Chloride

Concen: 0.511 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL038487.D

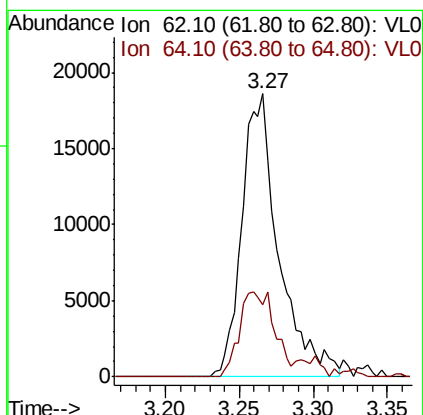
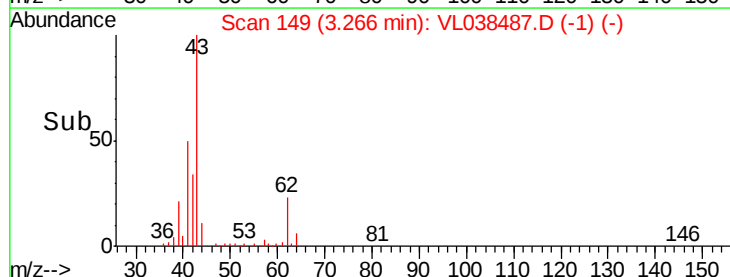
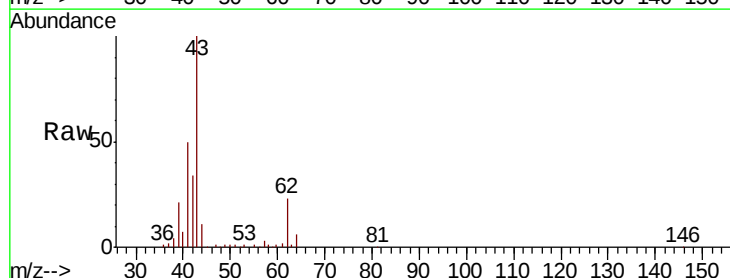
Acq: 2 Mar 2022 18:29

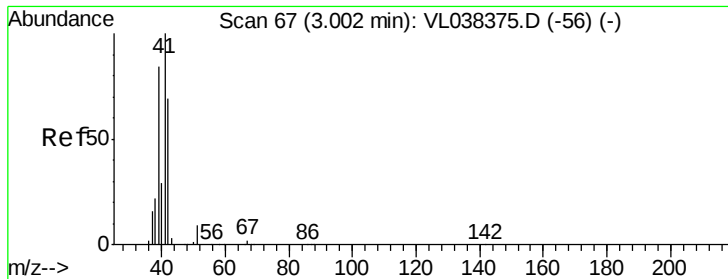
Tgt Ion: 62 Resp: 32061

Ion Ratio Lower Upper

62 100

64 25.3 26.2 39.2#





#9

Propene

Concen: 54.658 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 18:29 SV-1DL

Tot Ion:

Ion Ratio

41 100

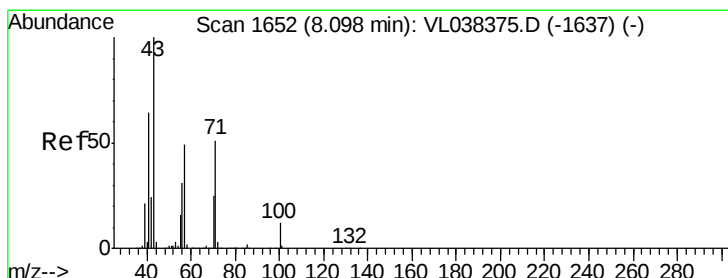
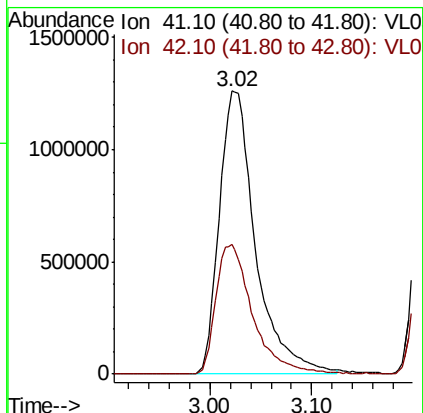
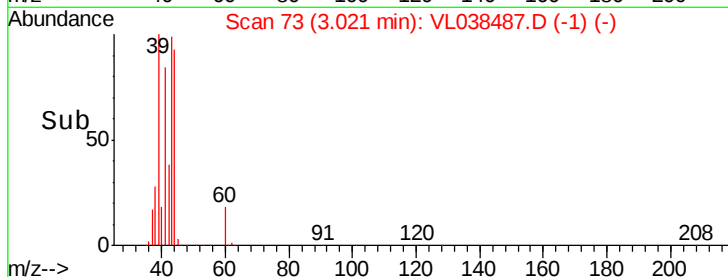
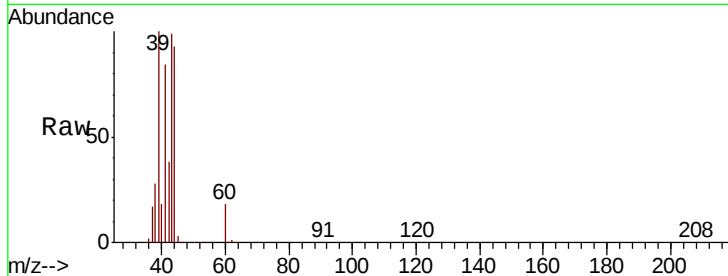
42 32.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#10

Heptane

Concen: 4.703 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL038487.D

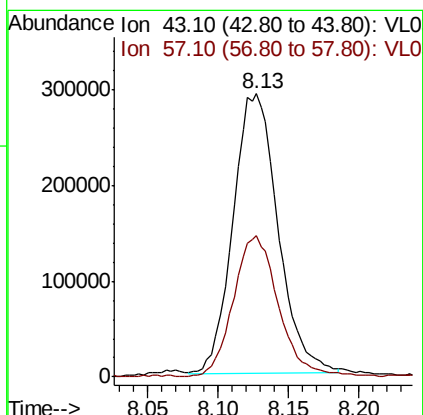
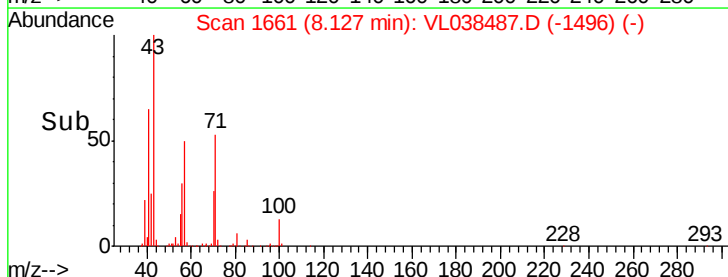
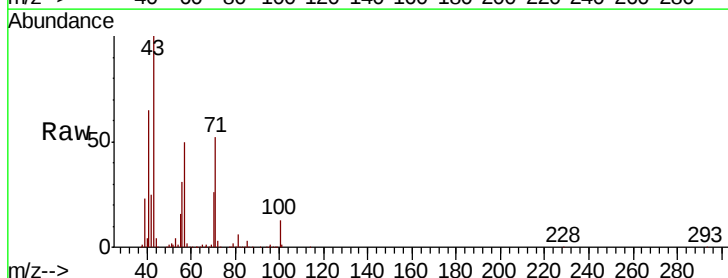
Acq: 2 Mar 2022 18:29

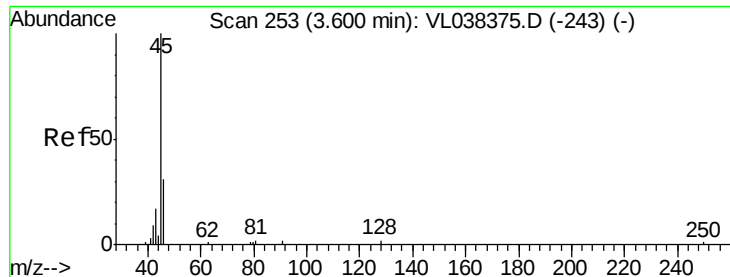
Tgt Ion: 43 Resp: 652691

Ion Ratio Lower Upper

43 100

57 50.4 39.8 59.8





#13

Ethanol

Concen: 11.771 ppbv m

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 18:29 SV-1DL

Tot Ion:

Ion Ratio

45 100

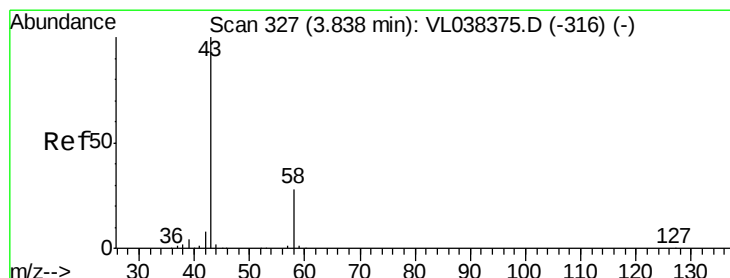
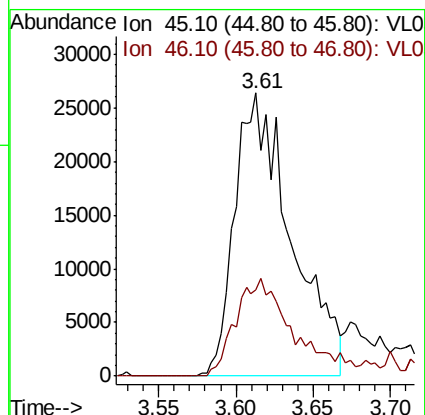
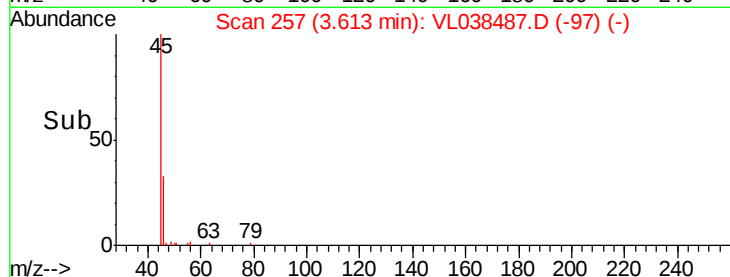
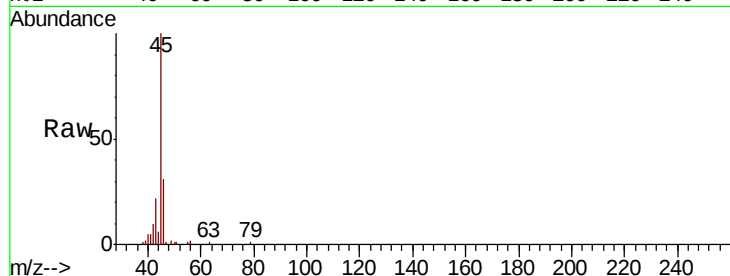
46 35.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#15

Acetone

Concen: 4.215 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL038487.D

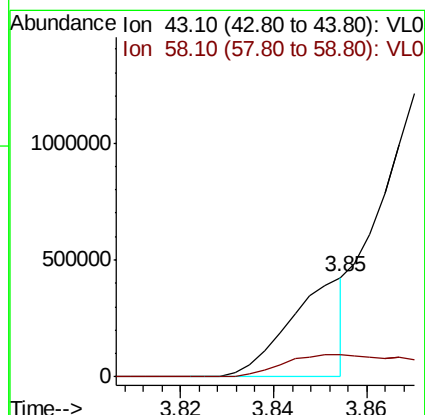
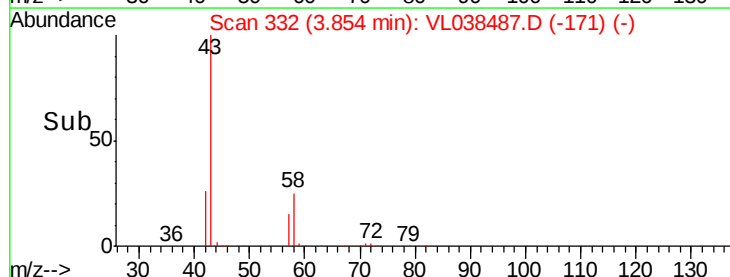
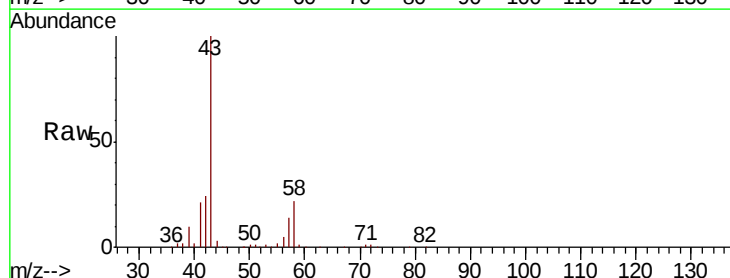
Acq: 2 Mar 2022 18:29

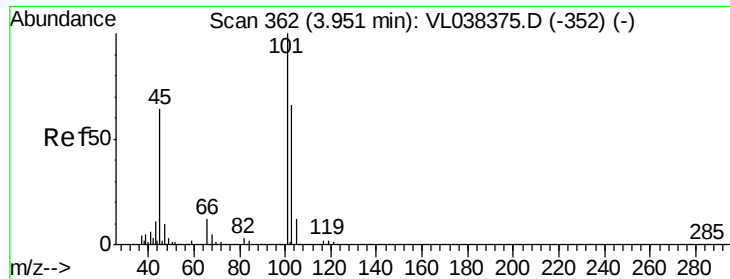
Tgt Ion: 43 Resp: 350537

Ion Ratio Lower Upper

43 100

58 84.6 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 1.144 ppbv m

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 18:29

Tot Ion:

Ion Ratio

45 100

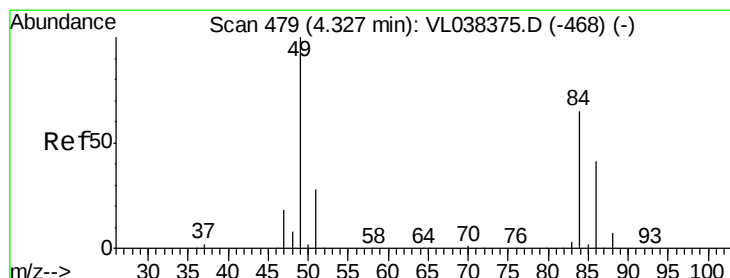
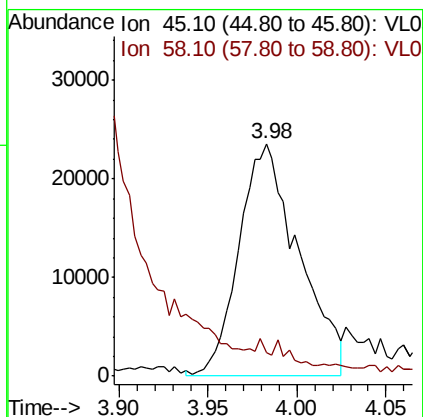
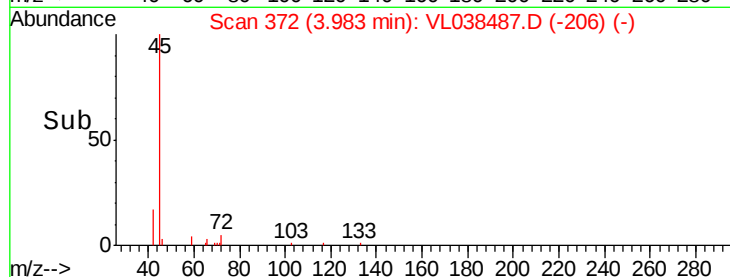
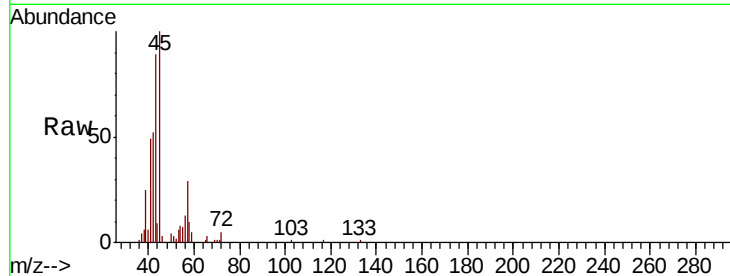
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#20

Methylene Chloride

Concen: 0.557 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL038487.D

Acq: 2 Mar 2022 18:29

Tgt Ion: 84 Resp: 22931

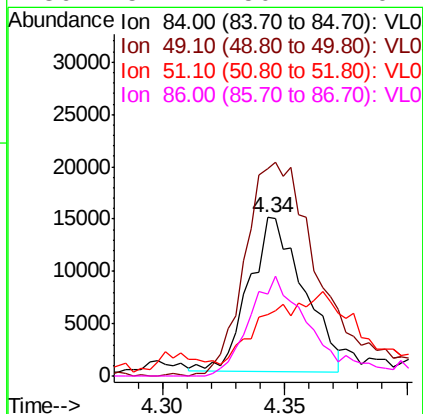
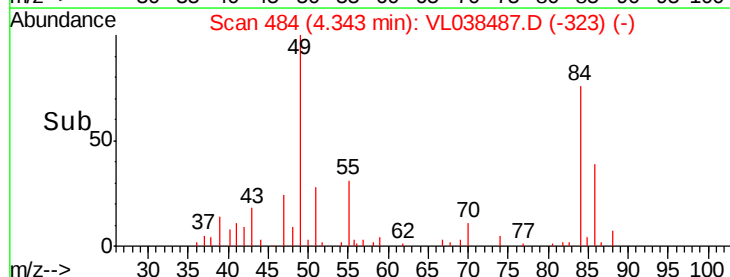
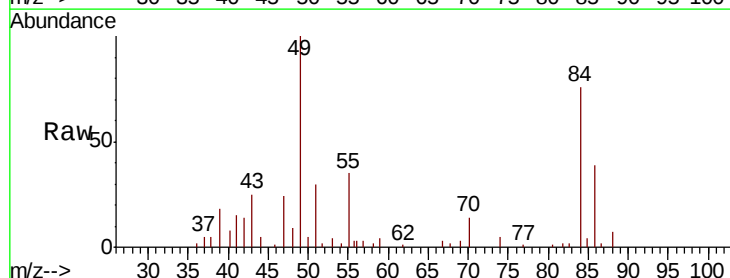
Ion Ratio Lower Upper

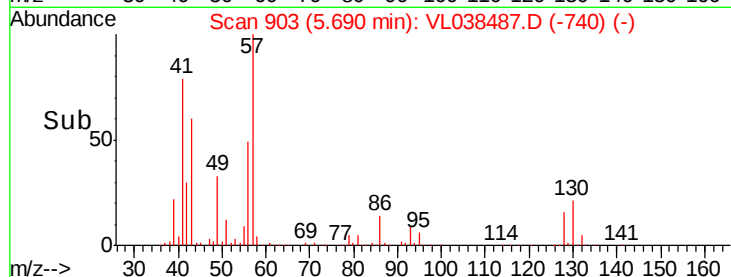
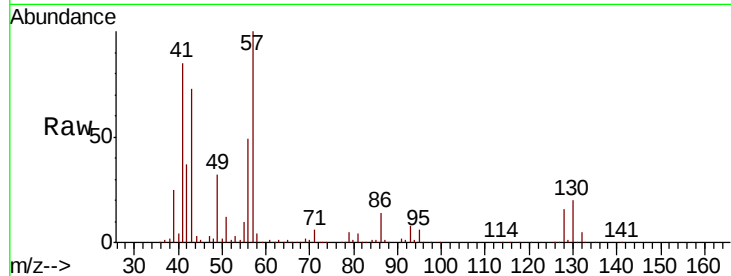
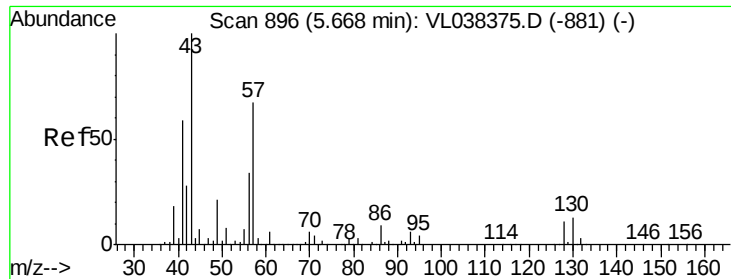
84 100

49 137.6 122.4 183.6

51 32.6 33.3 49.9#

86 57.2 50.7 76.1



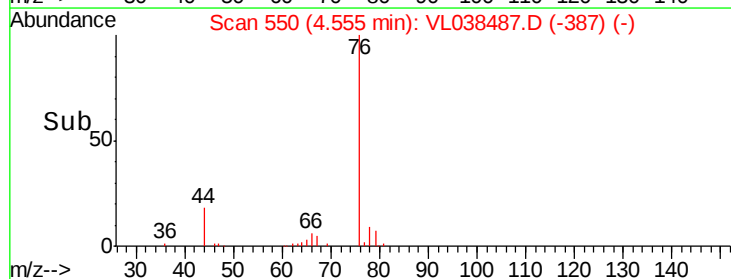
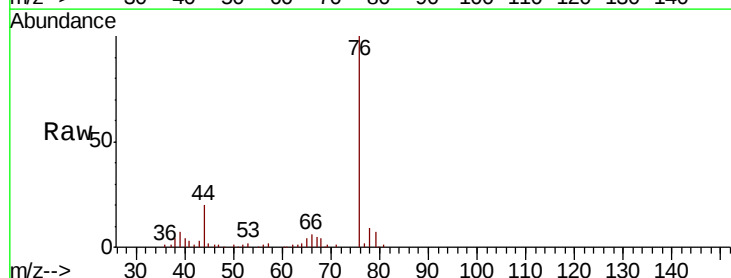
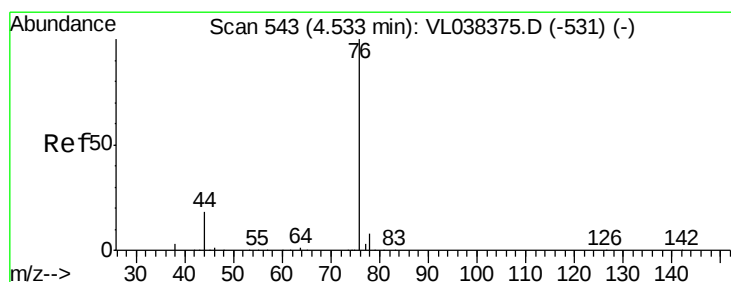
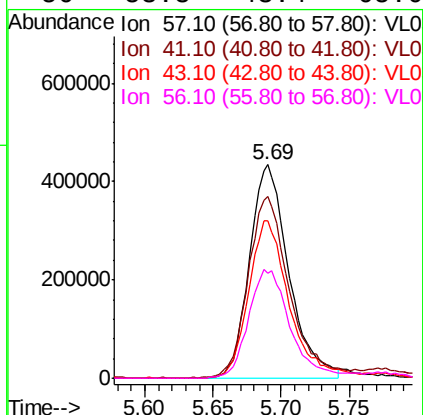


#26
Hexane
Concen: 8.588 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 18:29

Tot Ion:
Ion Ratio
57 100
41 90.
43 78.
56 53.8 43.4 65.0

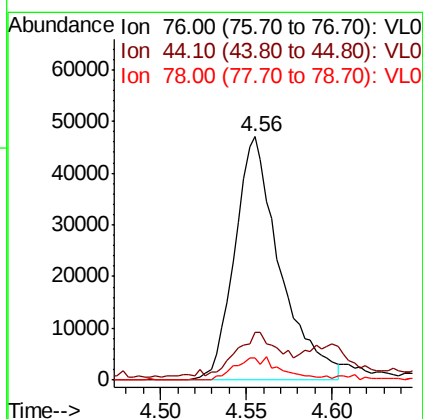
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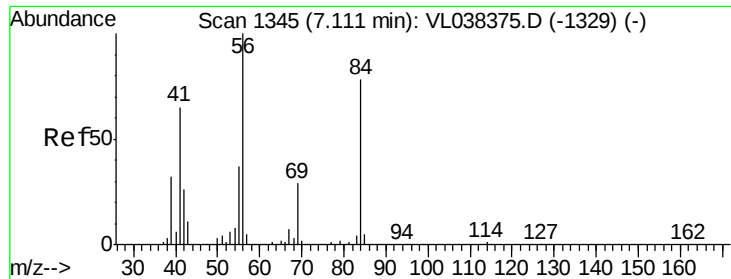
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#27
Carbon Disulfide
Concen: 0.764 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL038487.D
Acq: 2 Mar 2022 18:29

Tgt Ion: 76 Resp: 86006
Ion Ratio Lower Upper
76 100
44 18.8 14.2 21.2
78 11.4 7.8 11.6



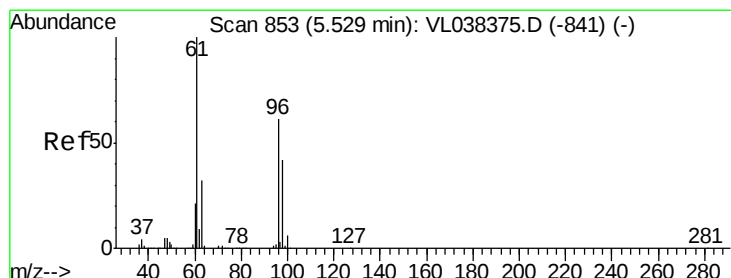
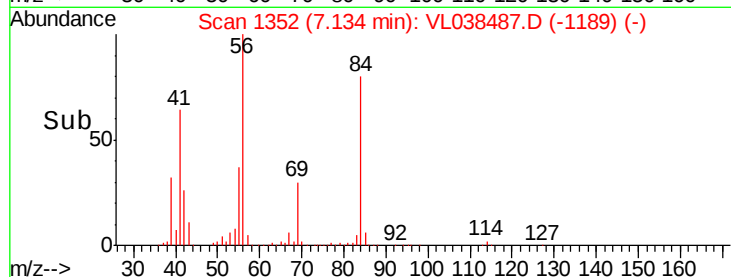
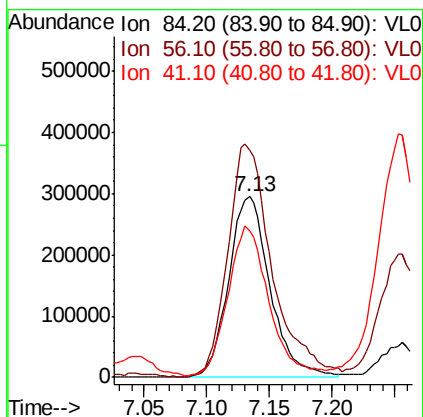
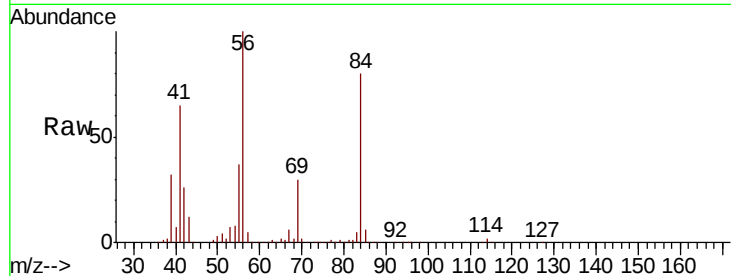


#30
Cvclohexane
Concen: 8.153 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Mar 2022 18:29

Tot Ion:
Ion Ratio
84 100
56 138.
41 81.

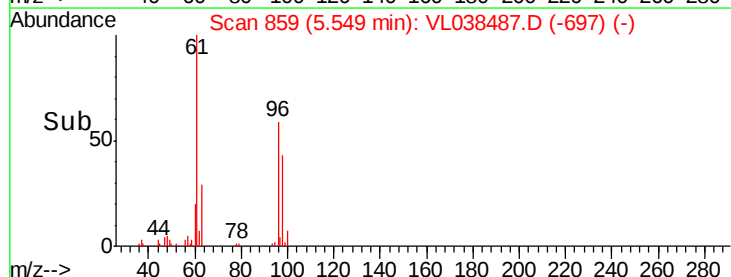
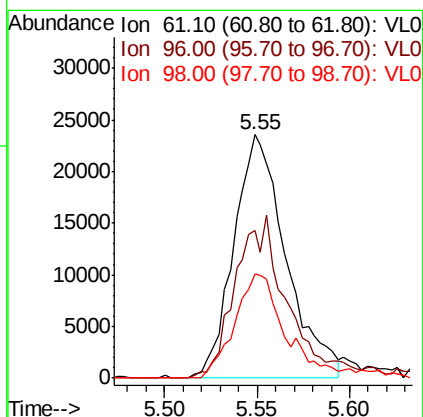
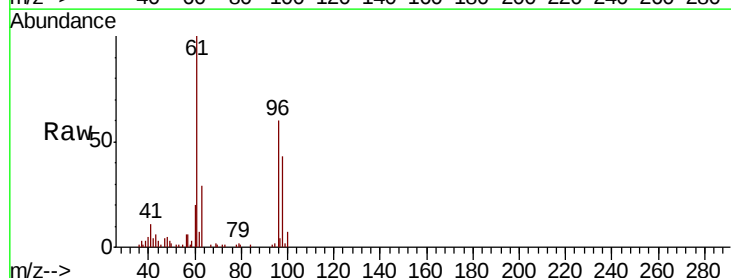
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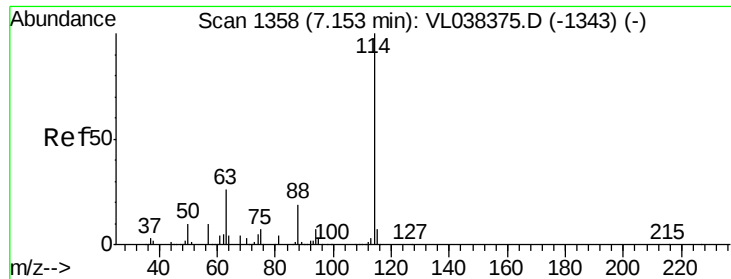
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#31
cis-1,2-Dichloroethene
Concen: 0.471 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.02 min
Lab File: VL038487.D
Acq: 2 Mar 2022 18:29

Tgt Ion: 61 Resp: 46127
Ion Ratio Lower Upper
61 100
96 60.4 48.6 73.0
98 42.9 33.2 49.8



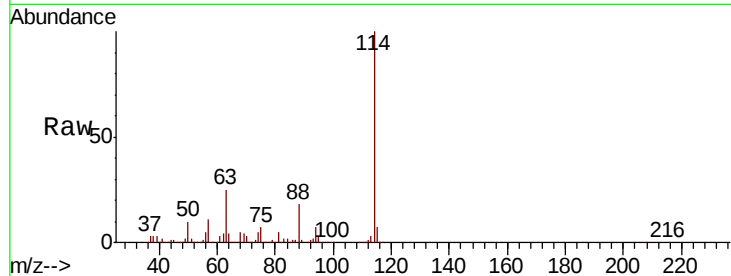


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 18:29

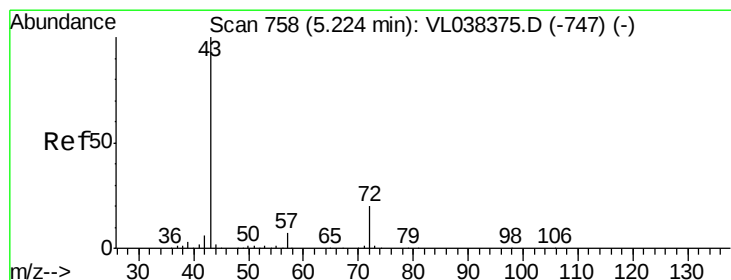
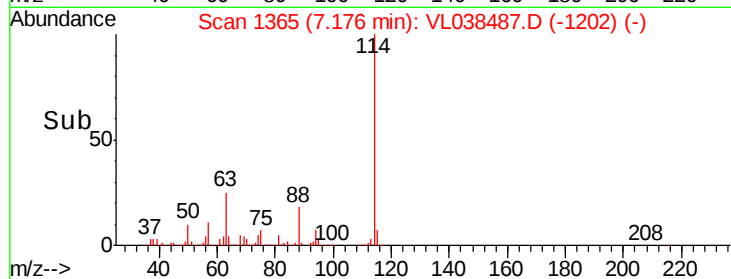
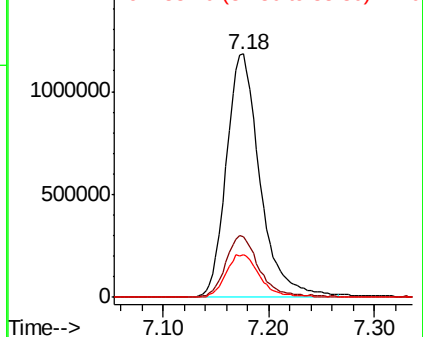
Tot Ion: 1
 Ion Ratio
 114 100
 63 25.
 88 17.

Manual Integrations
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 Supervised By : Mahesh Dadoda 03/07/2022

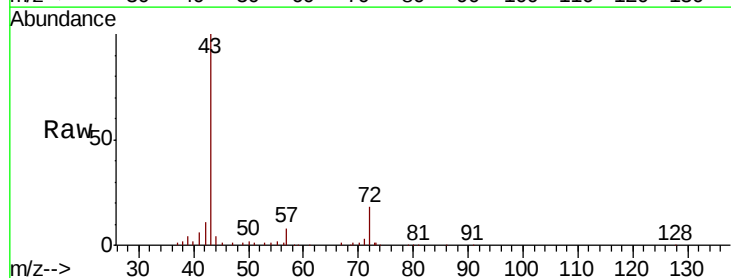


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

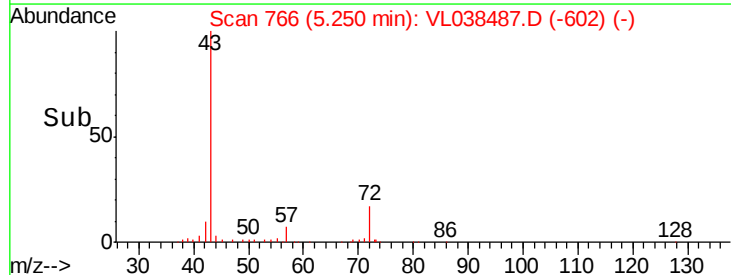
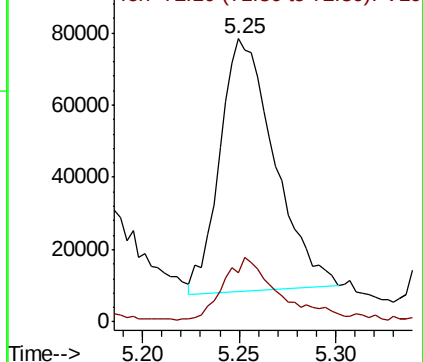


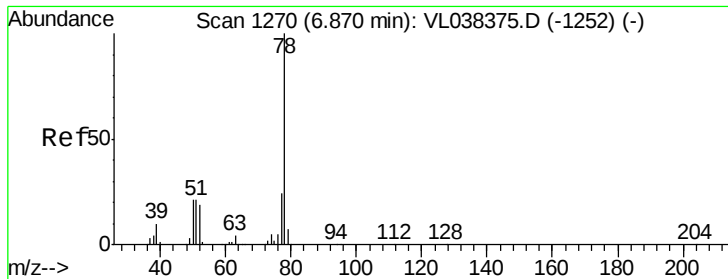
#34
 2-Butanone
 Concen: 1.668 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.03 min
 Lab File: VL038487.D
 Acq: 2 Mar 2022 18:29

Tgt Ion: 43 Resp: 137373
 Ion Ratio Lower Upper
 43 100
 72 27.9 17.4 26.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



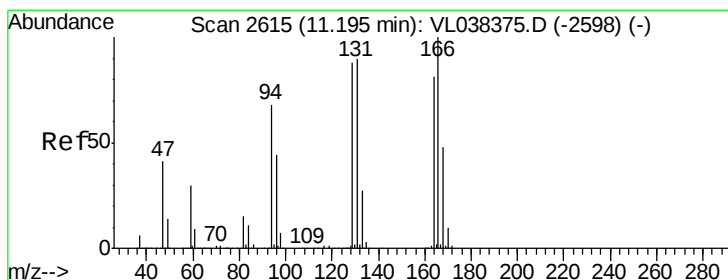
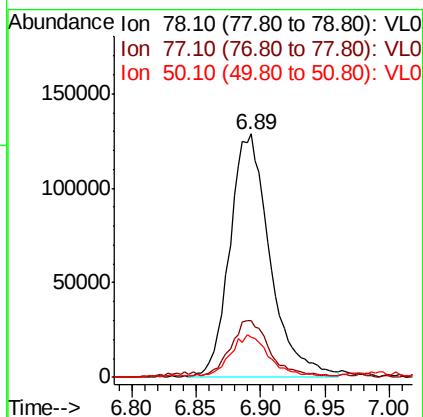
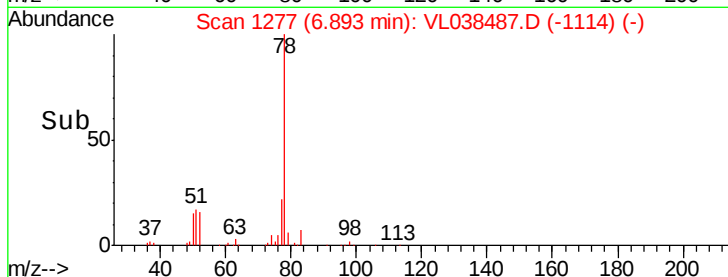
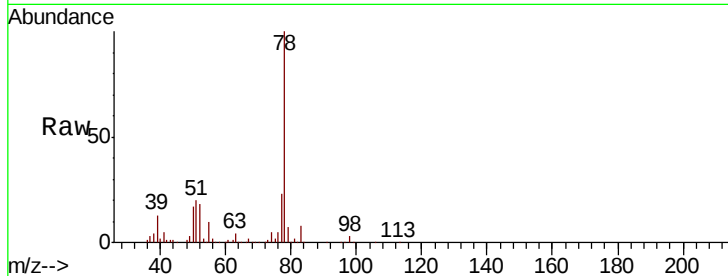


#36
Benzene
Concen: 1.196 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 2 Mar 2022 18:29

Tot Ion:
Ion Ratio
78 100
77 22.
50 15.

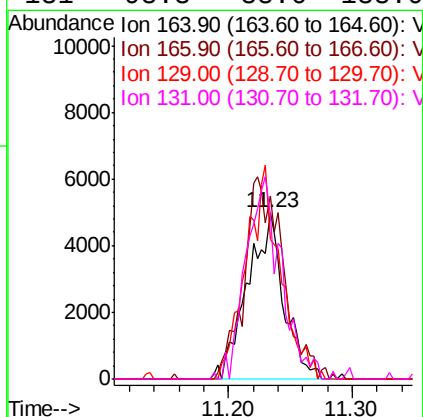
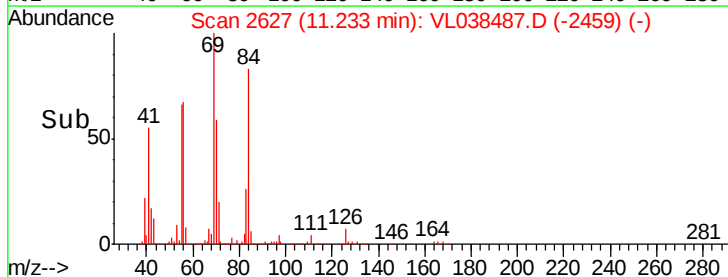
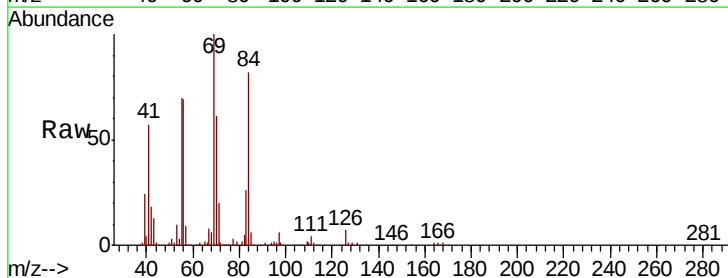
Manual Integrations
APPROVED

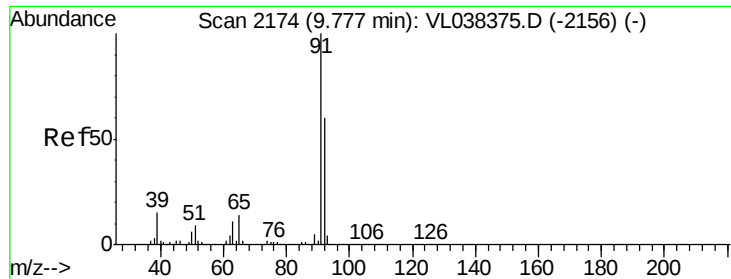
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#52
Tetrachloroethene
Concen: 0.132 ppbv m
RT: 11.23 min Scan# 2627
Delta R.T. 0.04 min
Lab File: VL038487.D
Acq: 2 Mar 2022 18:29

Tgt Ion:164 Resp: 10116
Ion Ratio Lower Upper
164 100
166 110.3 98.6 148.0
129 84.1 86.9 130.3#
131 98.3 88.6 133.0





#53

Toluene

Concen: 0.371 ppbv m

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 18:29 SV-1DL

Tot Ion:

Ion Ratio

91 100

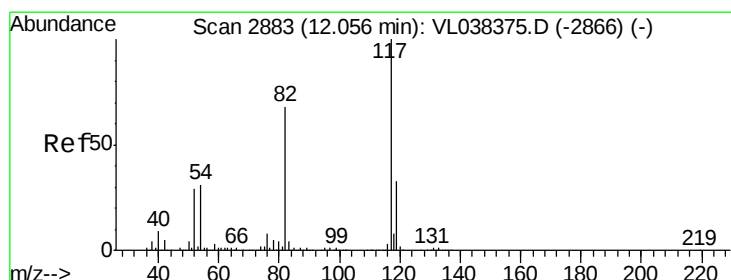
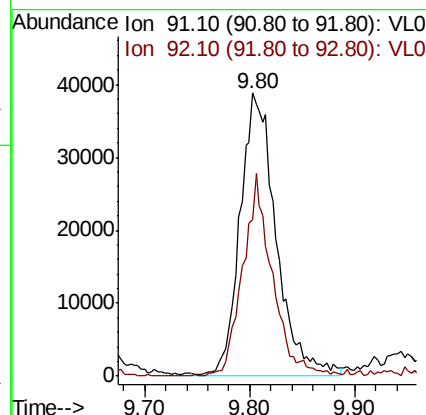
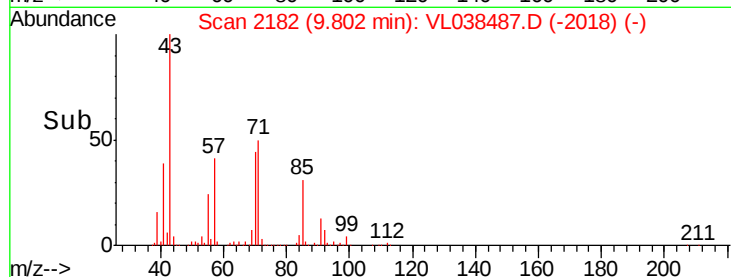
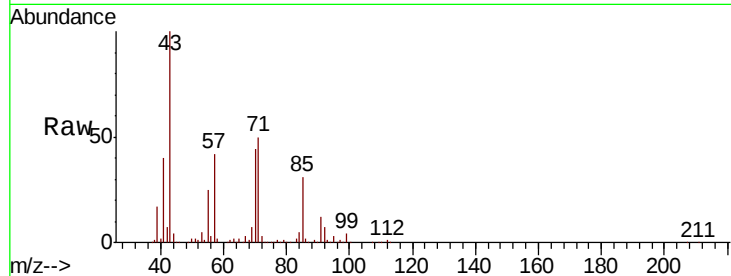
92 2.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.03 min

Lab File: VL038487.D

Acq: 2 Mar 2022 18:29

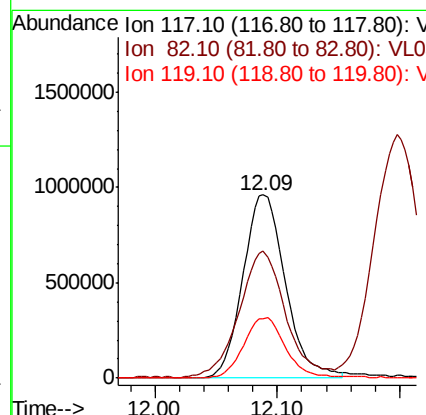
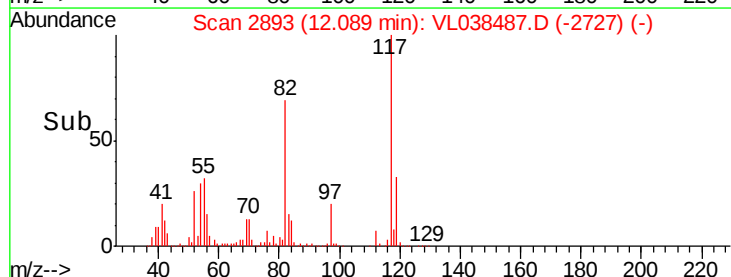
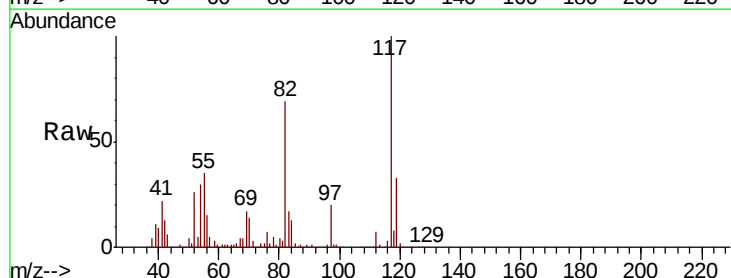
Tgt Ion:117 Resp: 2308012

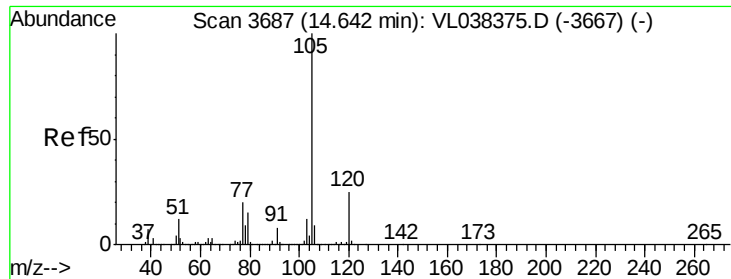
Ion Ratio Lower Upper

117 100

82 74.6 54.9 82.3

119 33.4 46.1 69.1#





#62

Isopropylbenzene

Concen: 0.257 ppbv m

RT: 14.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 18:29

Tot Ion:1

Ion Ratio

105 100

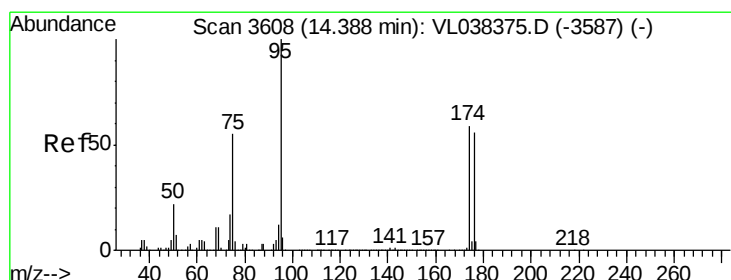
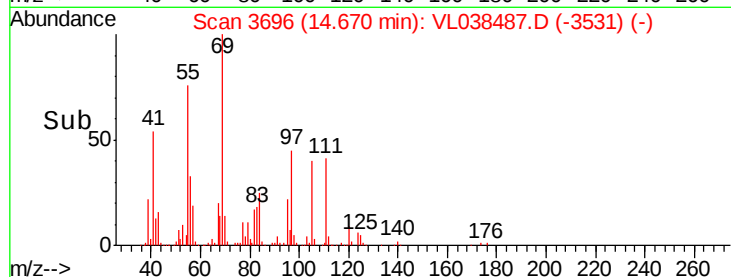
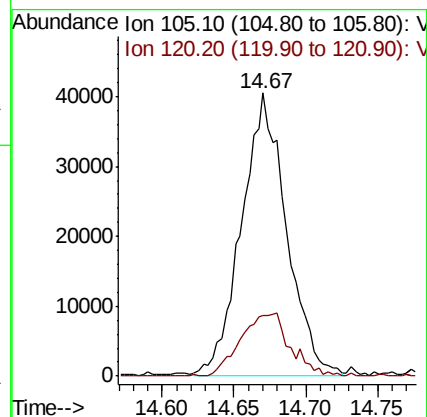
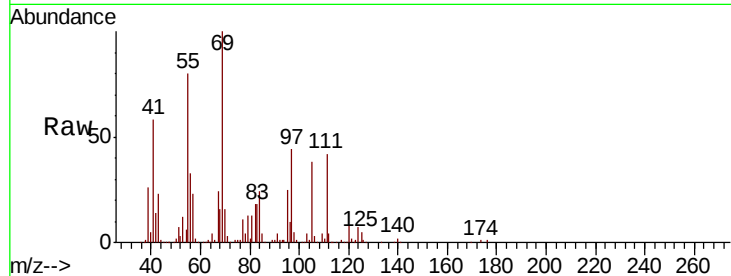
120 24.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 17.038 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.03 min

Lab File: VL038487.D

Acq: 2 Mar 2022 18:29

Tgt Ion: 95 Resp: 3253756

Ion Ratio Lower Upper

95 100

174 36.1 49.0 73.4#

175 2.7 3.6 5.4#

