

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031722\
 Data File : VL038631.D
 Acq On : 17 Mar 2022 18:13
 Operator : SY/AP
 Sample : N1965-12DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA9DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 12:59:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	857028	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2191739	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1873298	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1326567	9.31	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	12026	0.226	ppbv	91
13) Ethanol	3.62	45	14798m	2.416	ppbv	
15) Acetone	3.87	43	274946	4.548	ppbv	93
20) Methylene Chloride	4.35	84	16967m	0.466	ppbv	
34) 2-Butanone	5.27	43	59714	1.051	ppbv #	88
52) Tetrachloroethene	11.23	164	881857	12.165	ppbv	98
53) Toluene	9.81	91	28568	0.135	ppbv	99

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

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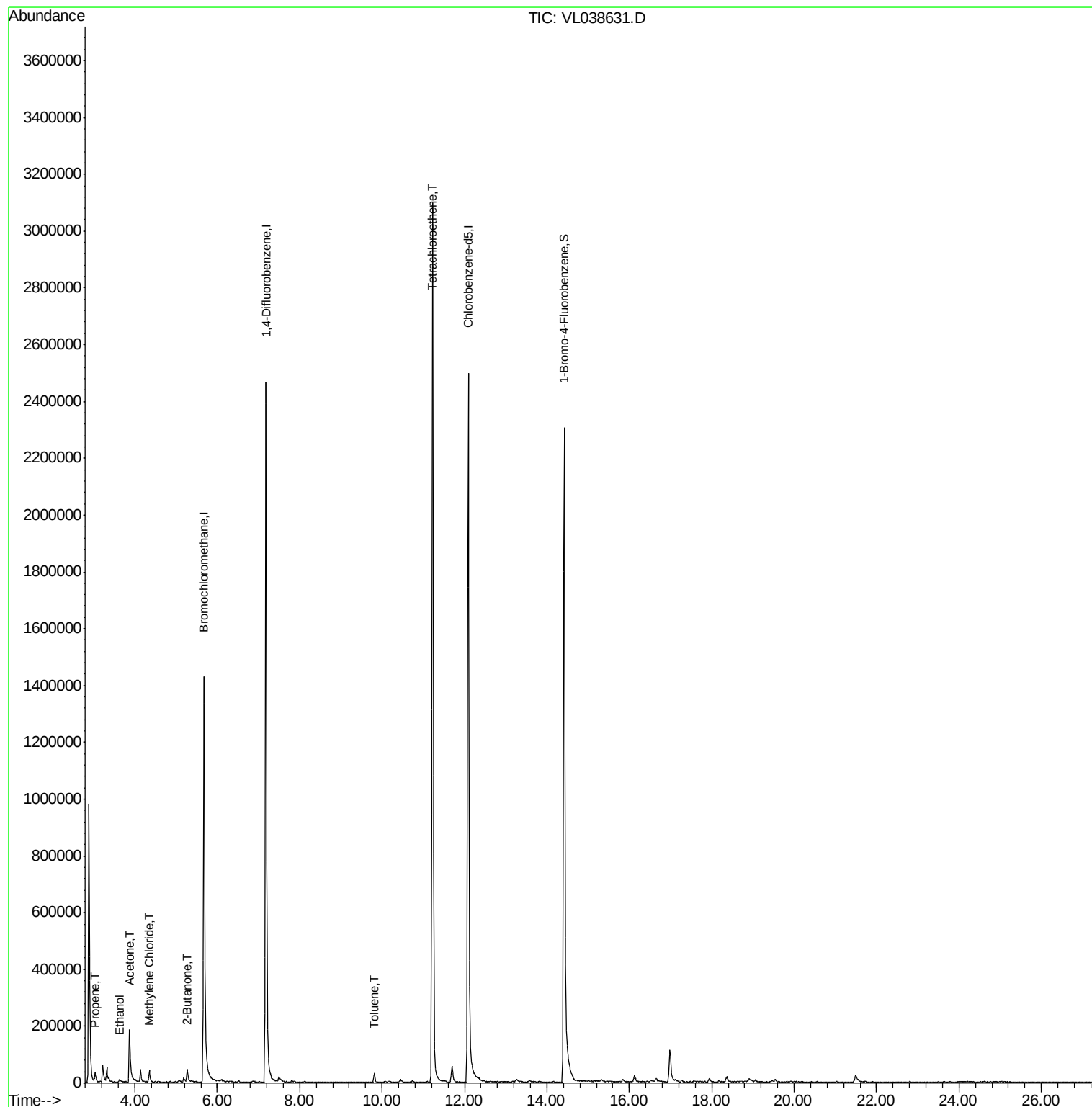
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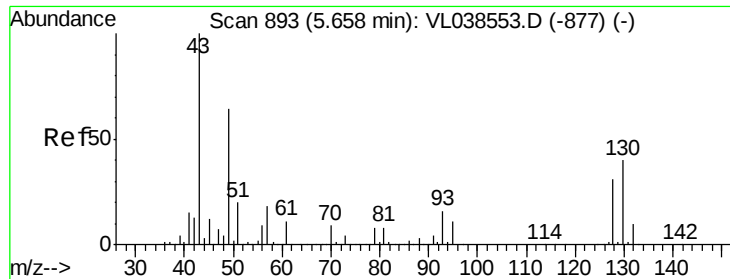
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 03/21/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 18:13

Tot Ion:

Ion Ratio

49 100

128 52.

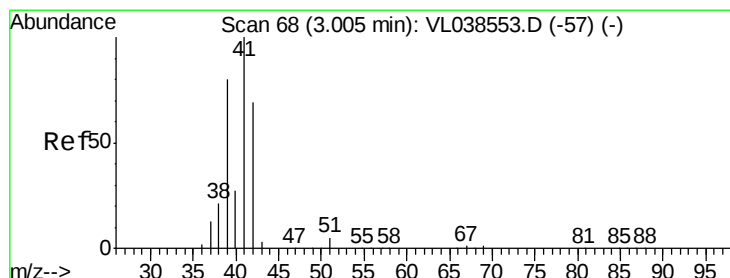
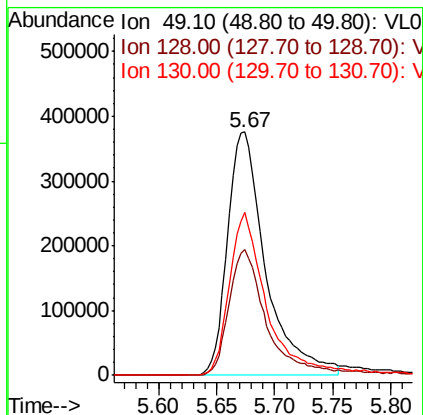
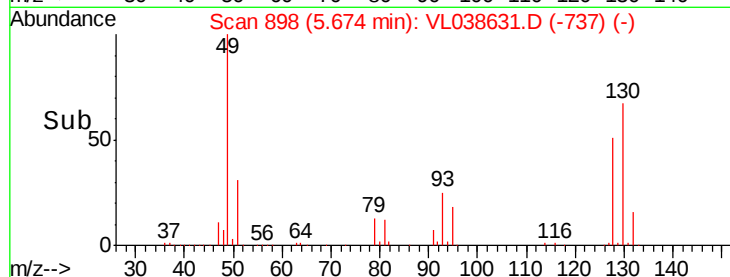
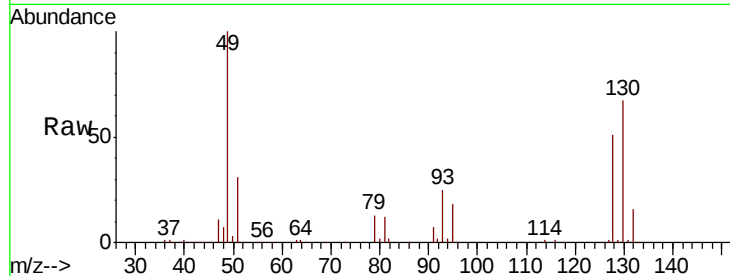
130 67.

Manual Integrations

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#9

Propene

Concen: 0.226 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL038631.D

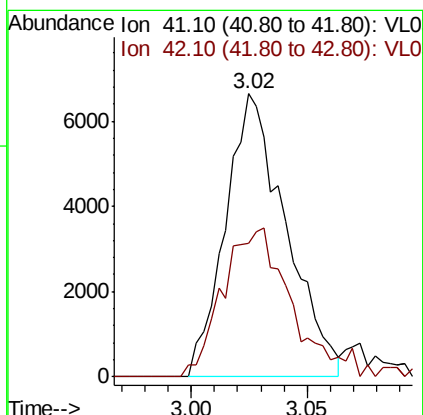
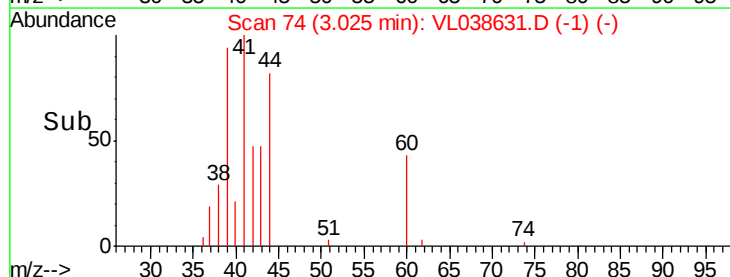
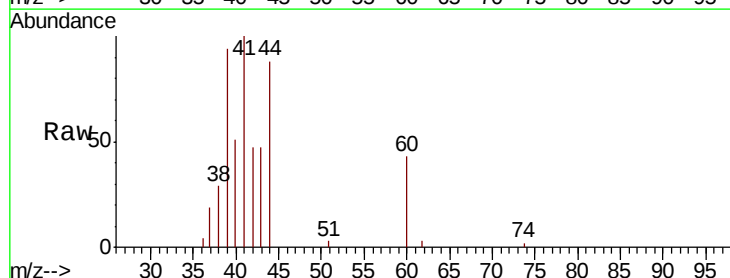
Acq: 17 Mar 2022 18:13

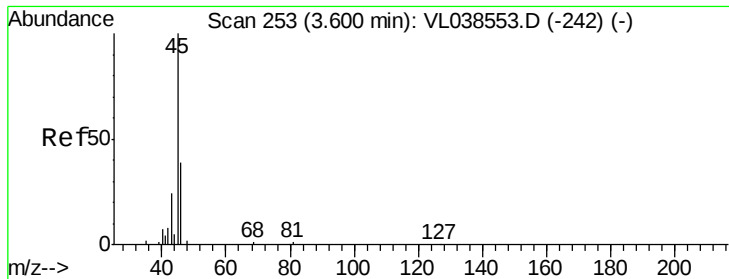
Tgt Ion: 41 Resp: 12026

Ion Ratio Lower Upper

41 100

42 62.4 55.7 83.5



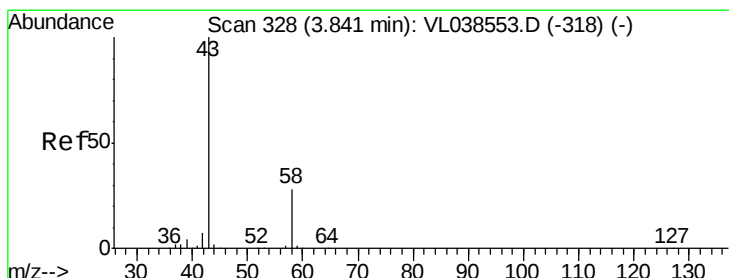
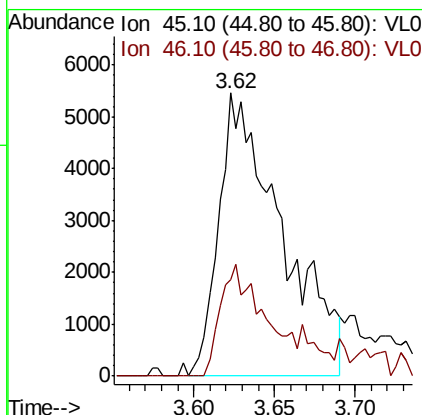
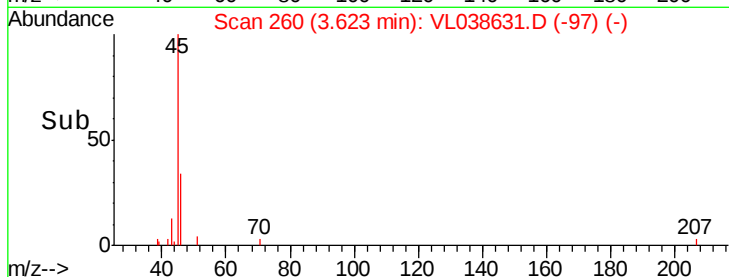
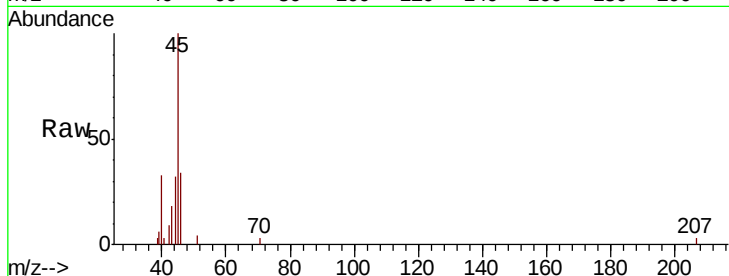


#13
Ethanol
Concen: 2.416 ppbv m
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 18:13

Tot Ion:
Ion Ratio
45 100
46 35.

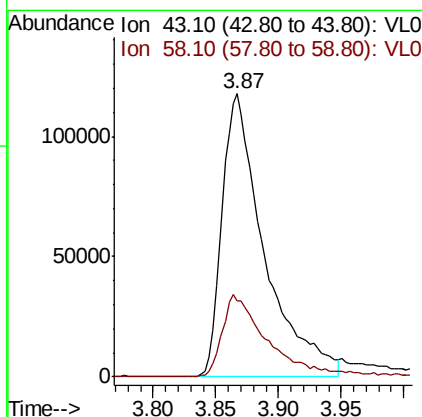
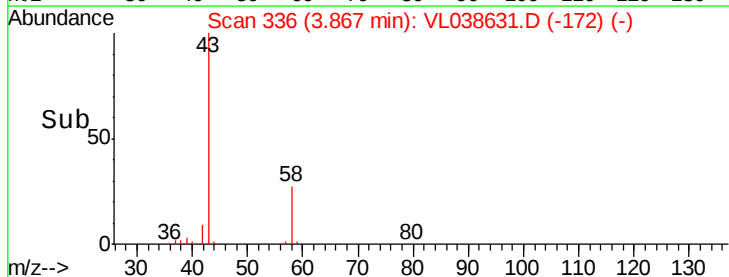
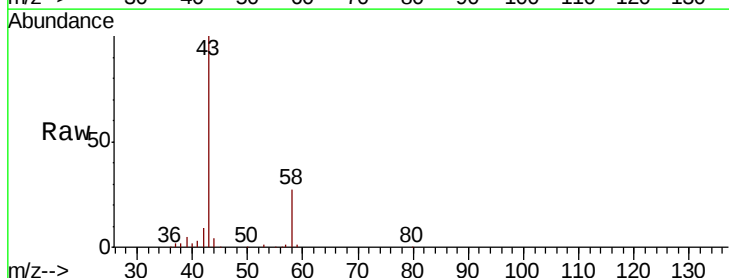
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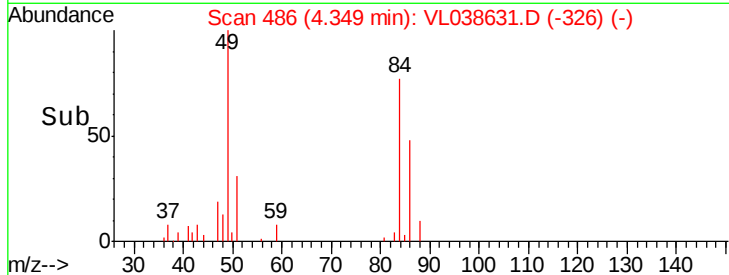
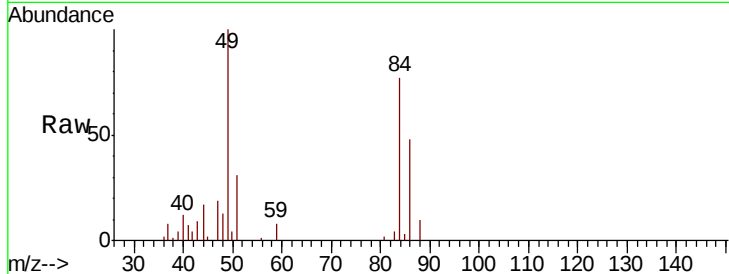
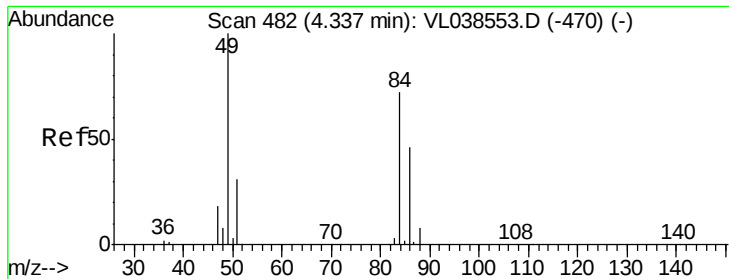
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#15
Acetone
Concen: 4.548 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL038631.D
Acq: 17 Mar 2022 18:13

Tgt Ion: 43 Resp: 274946
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1



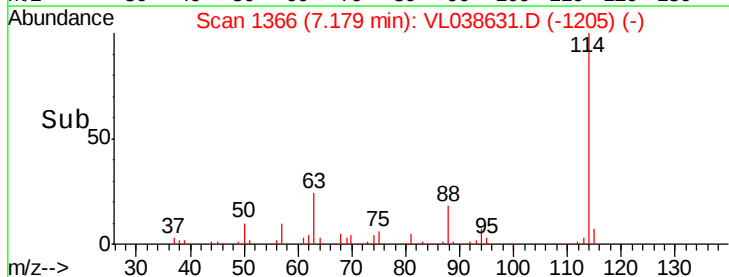
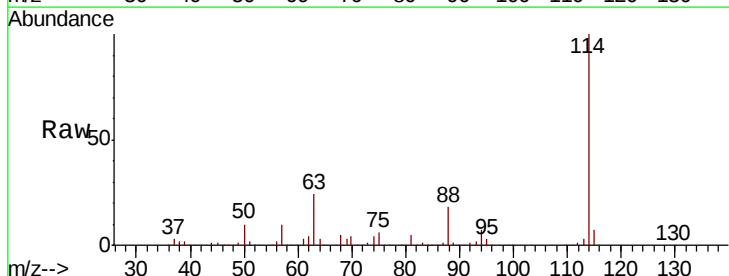
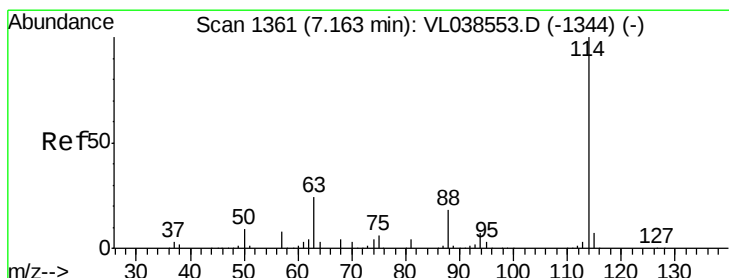
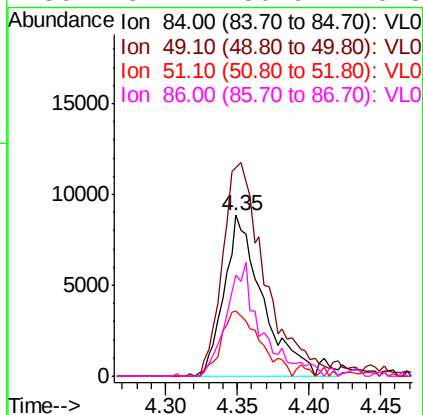


#20
Methvlene Chloride
Concen: 0.466 ppbv m
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 18:13

Tot Ion:
Ion Ratio
84 100
49 129.
51 40.
86 62.7 50.9 76.3

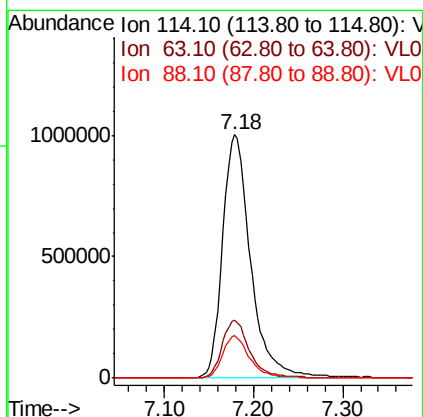
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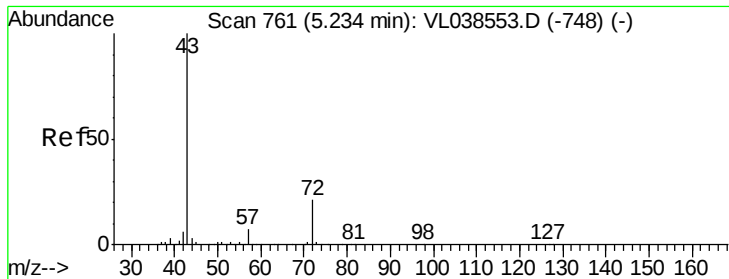
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL038631.D
Acq: 17 Mar 2022 18:13

Tgt Ion:114 Resp: 2191739
Ion Ratio Lower Upper
114 100
63 23.8 19.6 29.4
88 17.2 13.9 20.9



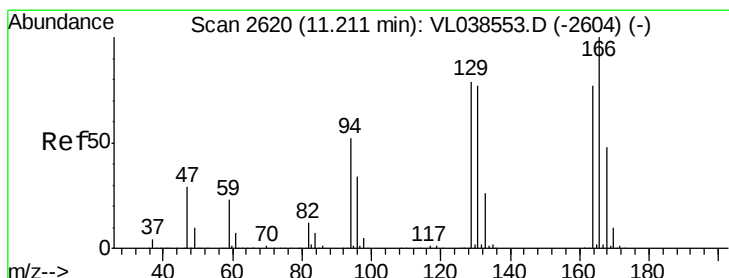
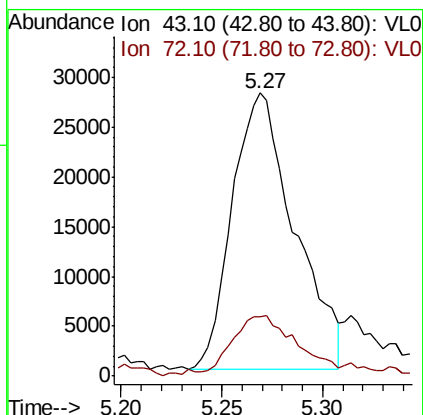
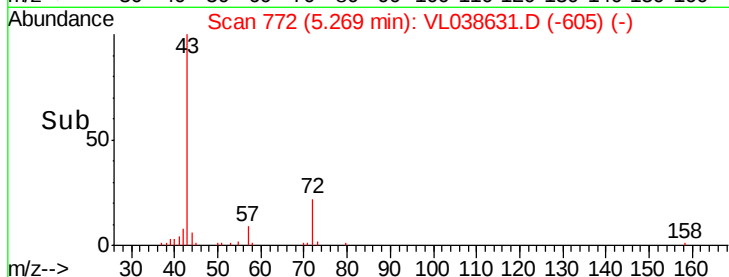
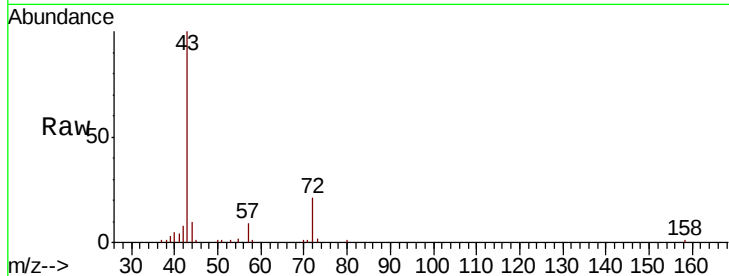


#34
2-Butanone
Concen: 1.051 ppbv
RT: 5.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 18:13

Tot Ion:
Ion Ratio
43 100
72 27.

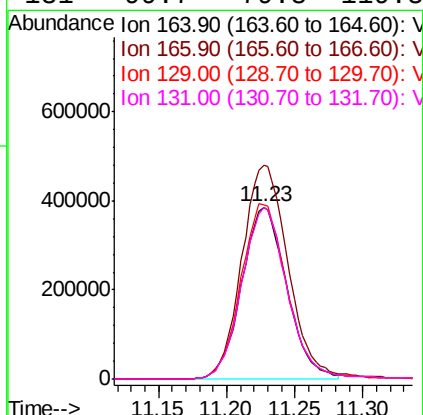
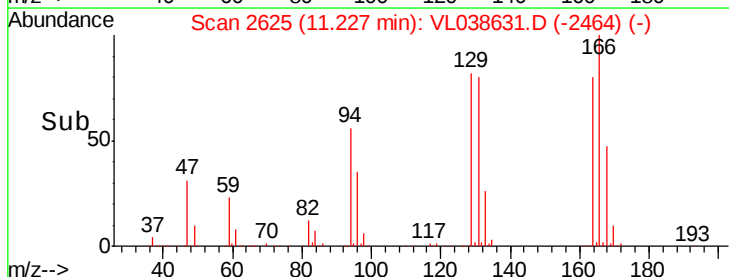
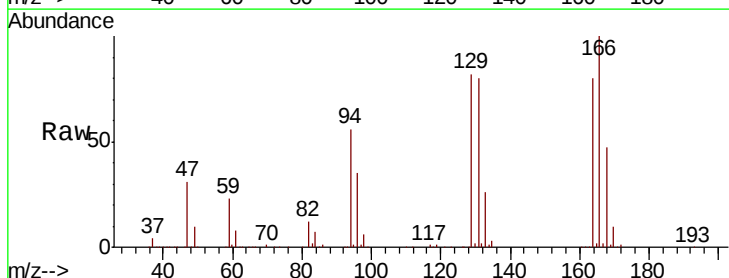
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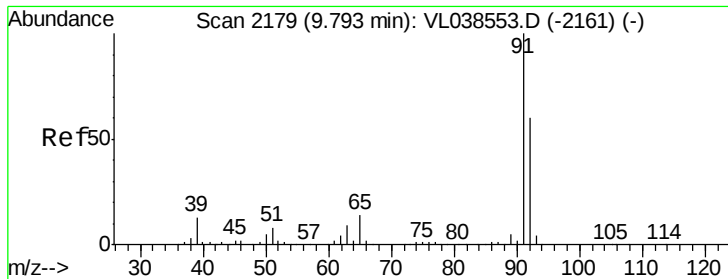
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#52
Tetrachloroethene
Concen: 12.165 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.02 min
Lab File: VL038631.D
Acq: 17 Mar 2022 18:13

Tgt Ion:164 Resp: 881857
Ion Ratio Lower Upper
164 100
166 124.4 103.4 155.2
129 101.6 81.3 121.9
131 99.7 79.8 119.8





#53

Toluene

Concen: 0.135 ppbv

RT: 9.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Mar 2022 18:13

Tot Ion:

Ion Ratio

91 100

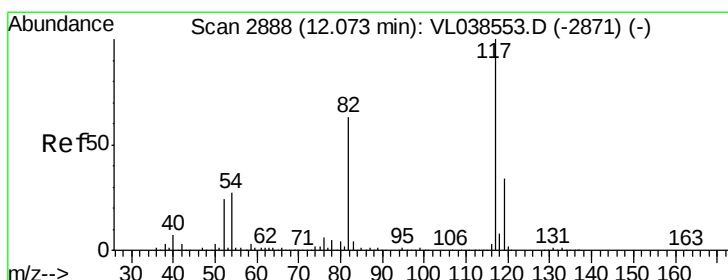
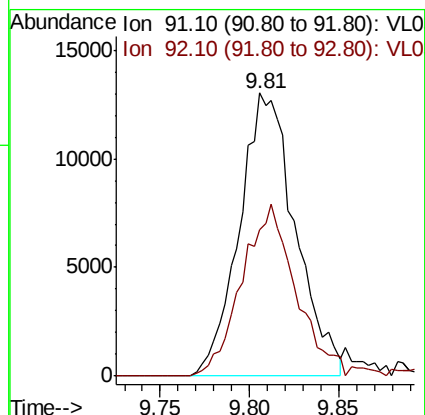
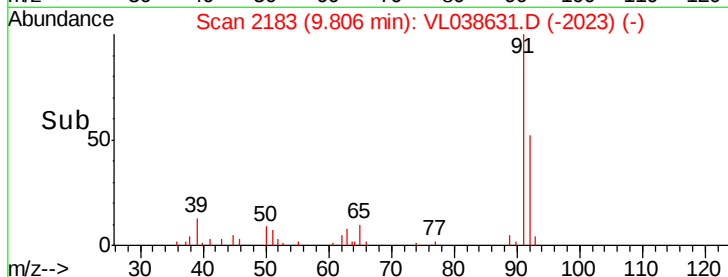
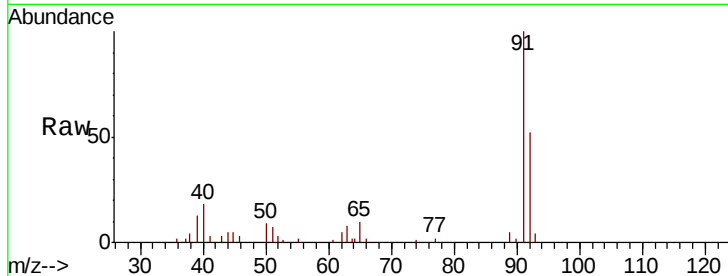
92 59.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/21/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.02 min

Lab File: VL038631.D

Acq: 17 Mar 2022 18:13

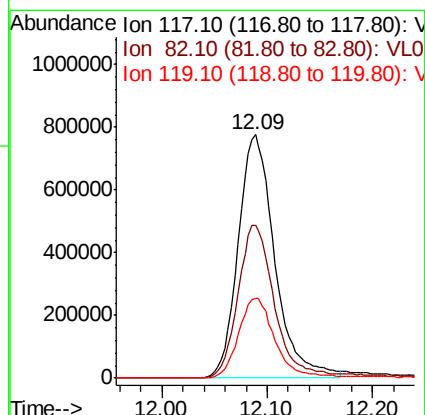
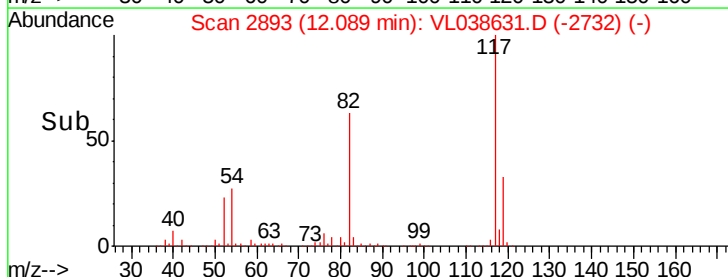
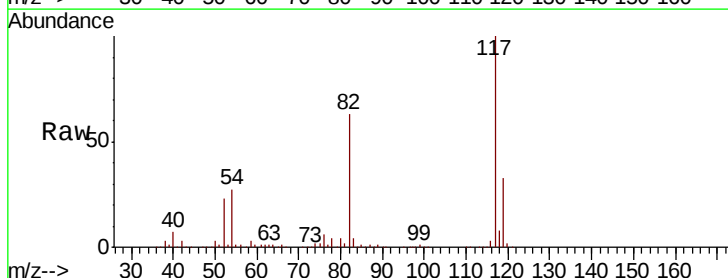
Tgt Ion:117 Resp: 1873298

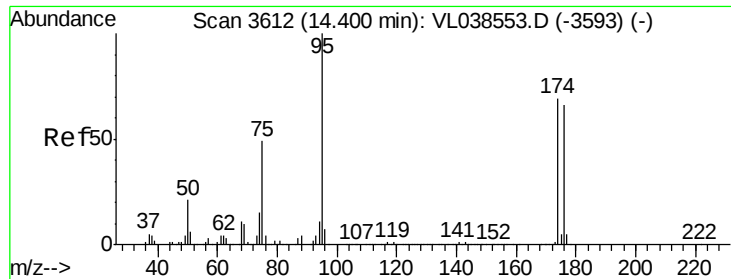
Ion Ratio Lower Upper

117 100

82 66.4 52.5 78.7

119 34.1 46.4 69.6#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.314 ppbv
 RT: 14.42
 Delta R.T
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 18:15

Tot Ion:
 Ion Rati
 95 100
 174 72.
 175 5.

Manual Integrations
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