

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038653.D
 Acq On : 21 Mar 2022 15:45
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 21 16:51:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	911237	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2340744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2068735	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1564512	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.26	62	2068m	0.03	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	4645m	0.03	ppbv	
35) Carbon Tetrachloride	7.01	117	4419m	0.03	ppbv	
38) Trichloroethene	7.82	130	1911m	0.02	ppbv	
52) Tetrachloroethene	11.21	164	2256m	0.03	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	6017m	0.03	ppbv	

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

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Quant Time: Mar 21 16:51:52 2022

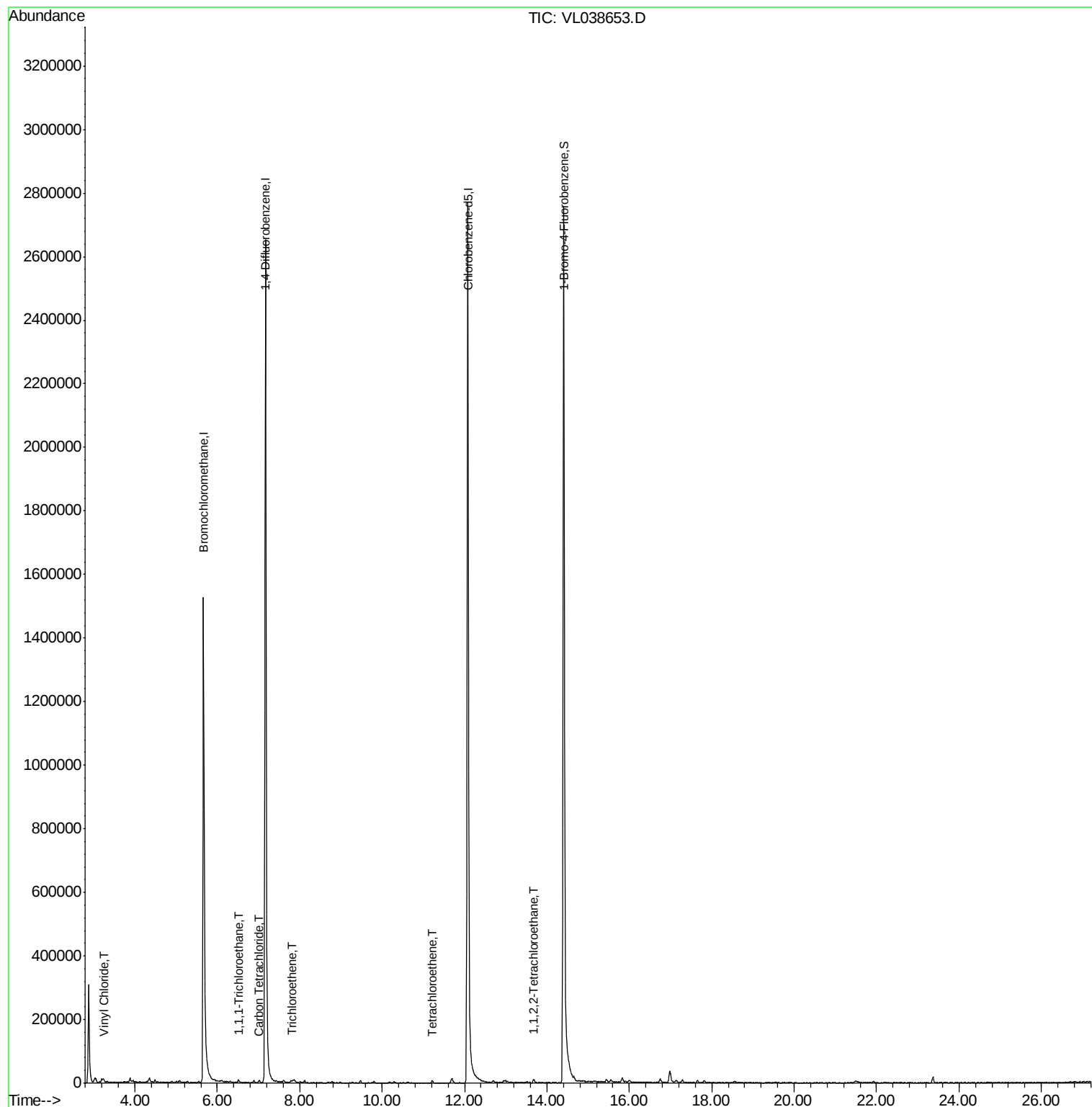
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122

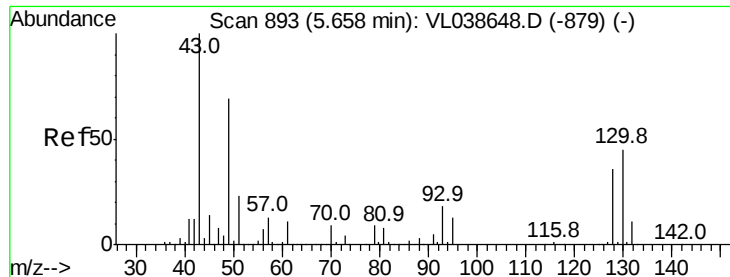
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Mar 21 15:04:50 2022

Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 03/24/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 15:45 VSTDIC00.03

Tgt Ion:

Ion Ratio

49 100

128 53.

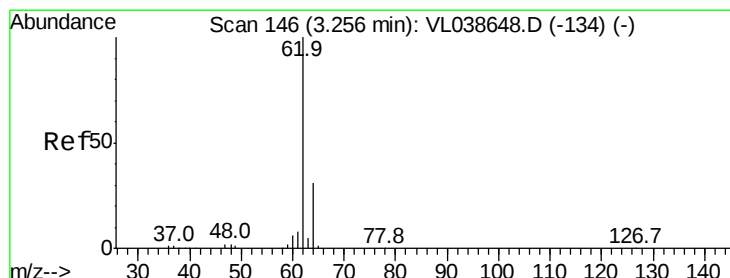
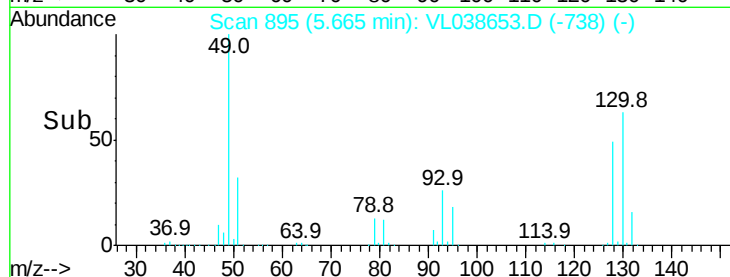
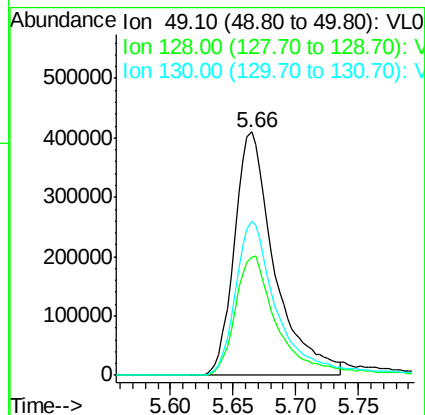
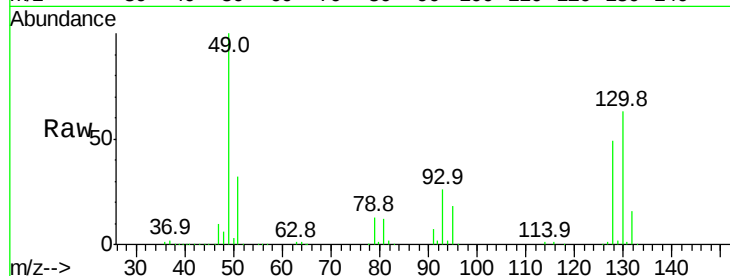
130 68.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/24/2022



#5

Vinyl Chloride

Concen: 0.03 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL038653.D

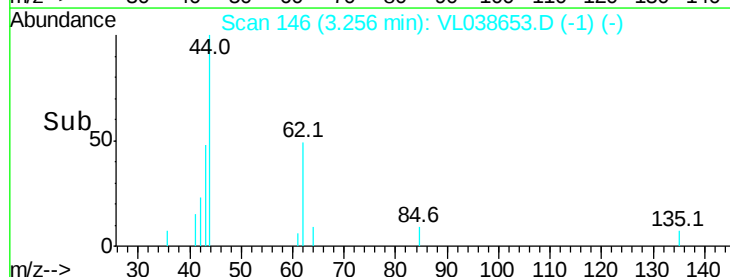
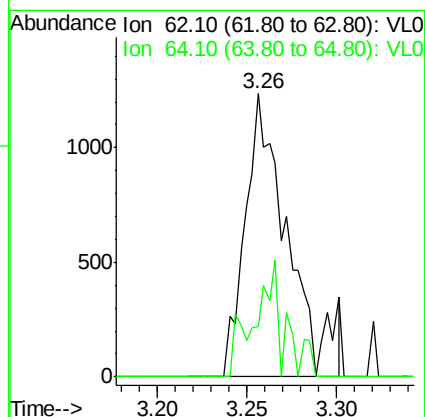
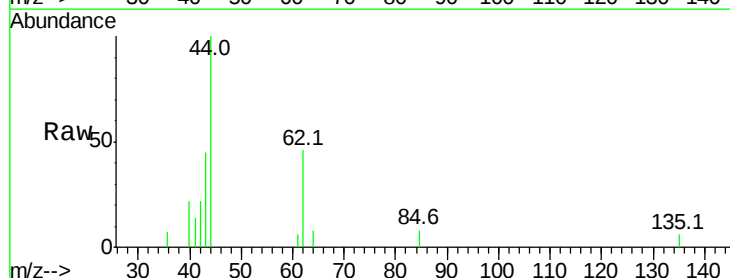
Acq: 21 Mar 2022 15:45

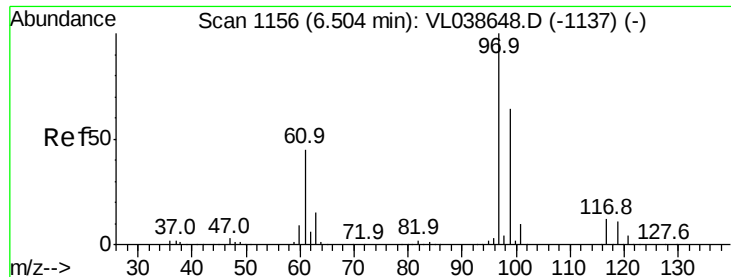
Tgt Ion: 62 Resp: 2068

Ion Ratio Lower Upper

62 100

64 17.7 25.0 37.4#





#32

1,1,1-Trichloroethane

Concen: 0.03 ppbv m

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 15:45 VSTDIC0.03

Tgt Ion:

Ion Ratio

97 100

99 0.

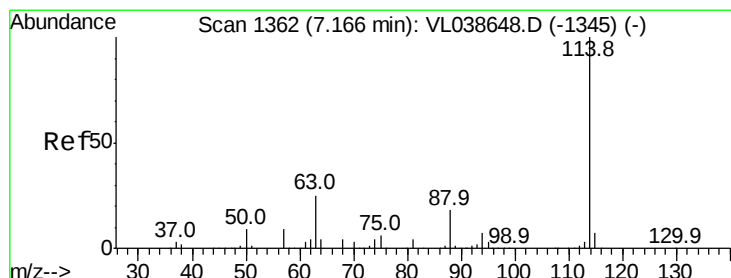
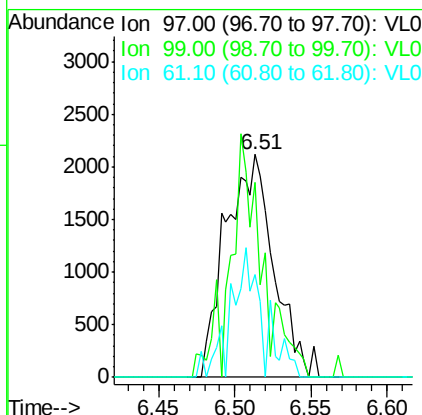
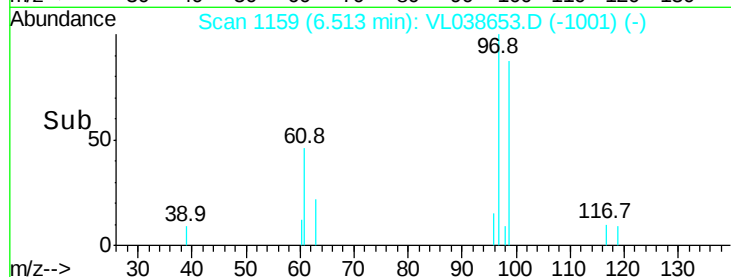
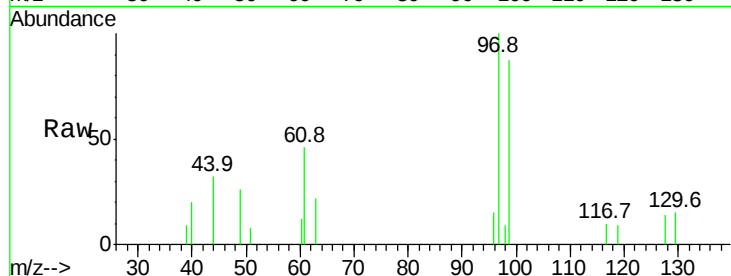
61 0.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VL038653.D

Acq: 21 Mar 2022 15:45

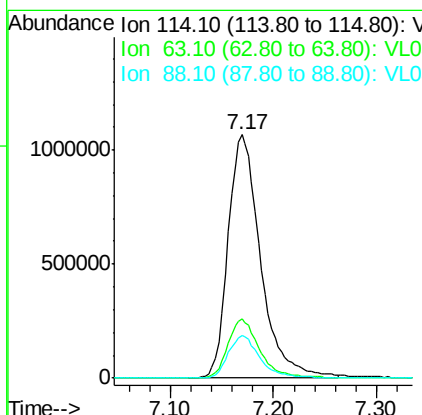
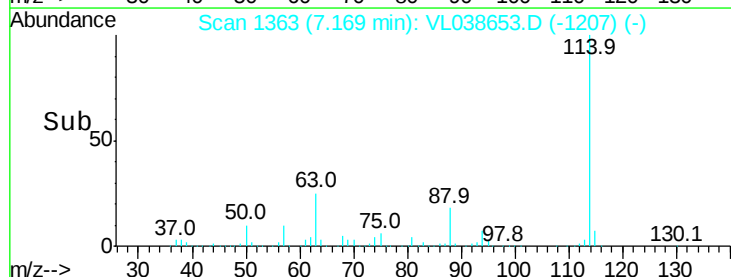
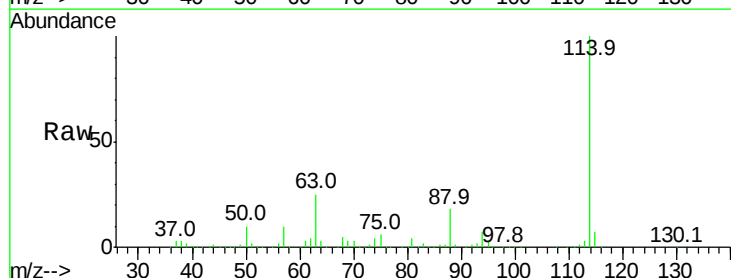
Tgt Ion:114 Resp: 2340744

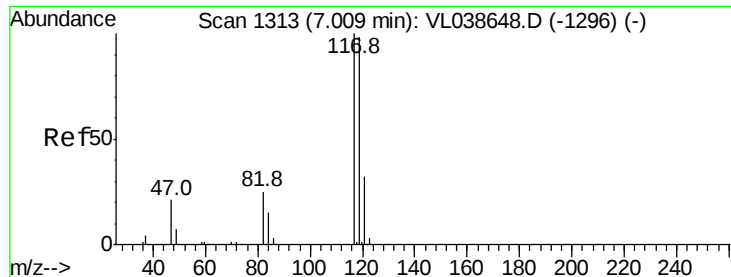
Ion Ratio Lower Upper

114 100

63 24.1 19.4 29.0

88 17.4 13.9 20.9





#35

Carbon Tetrachloride

Concen: 0.03 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 15:45 VSTDIC0.03

Tgt Ion:1

Ion Rati

117 100

119 85.

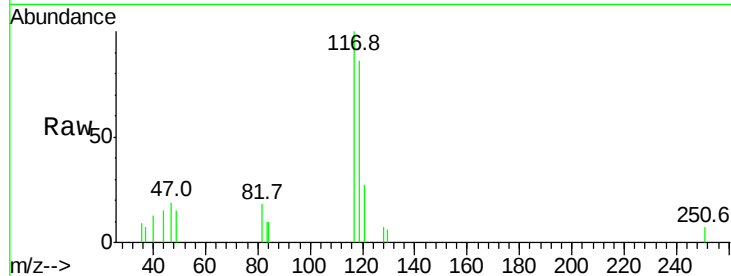
121 26.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/22/2022

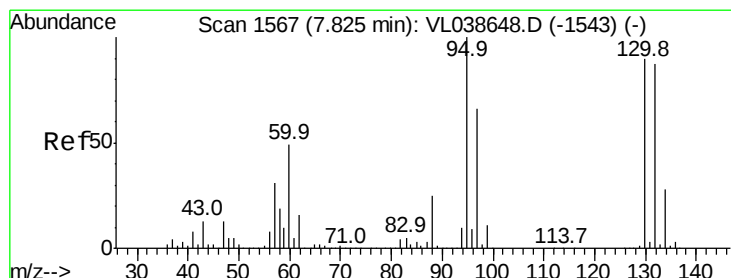
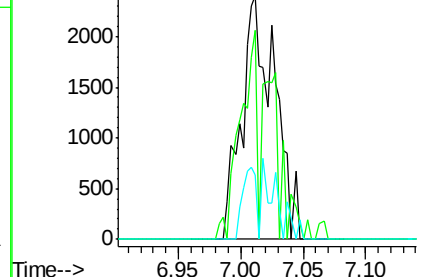
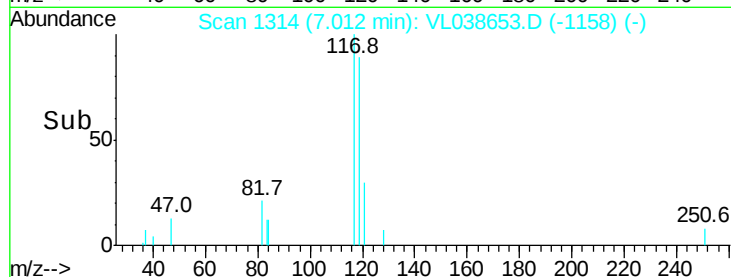
Supervised By :Mahesh Dadoda 03/24/2022



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



#38

Trichloroethene

Concen: 0.02 ppbv m

RT: 7.82 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VL038653.D

Acq: 21 Mar 2022 15:45

Tgt Ion:130 Resp: 1911

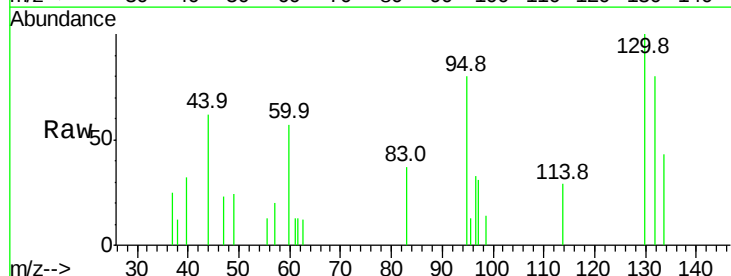
Ion Ratio Lower Upper

130 100

95 80.0 88.9 133.3#

132 79.6 77.4 116.0

97 31.4 58.2 87.4#

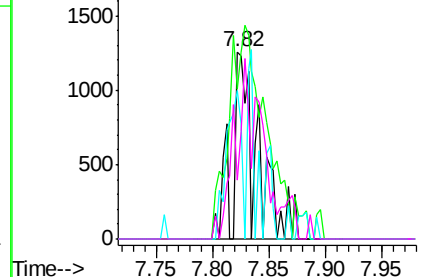
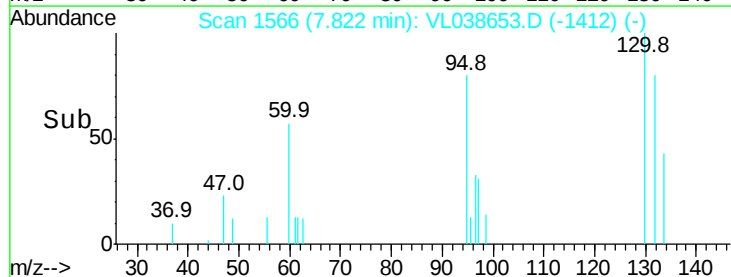


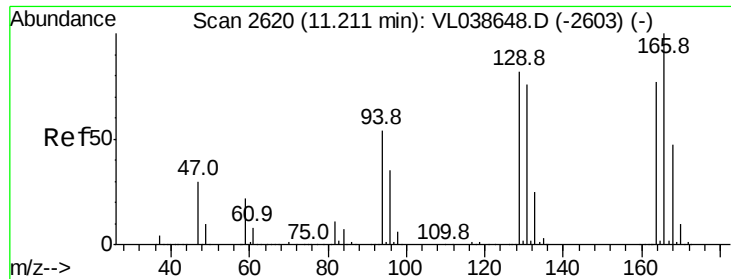
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.03 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Mar 2022 15:45

Tgt Ion:1

Ion Ratio

164 100

166 107.

129 86.

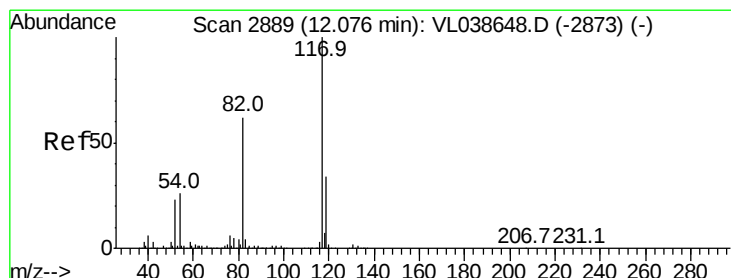
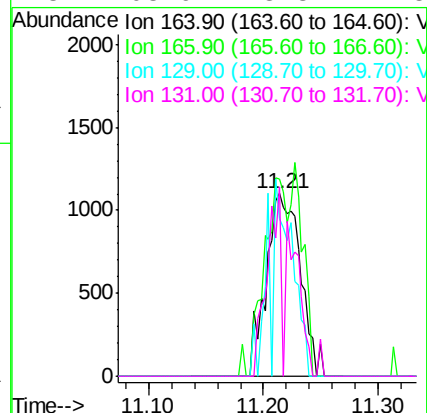
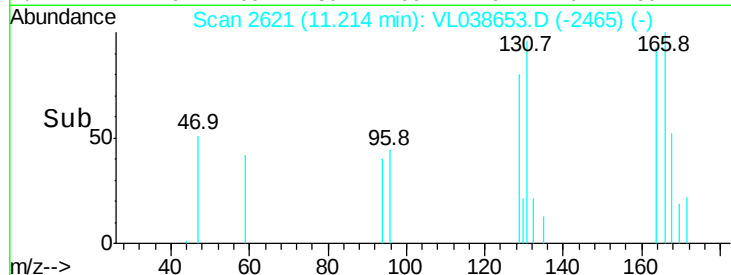
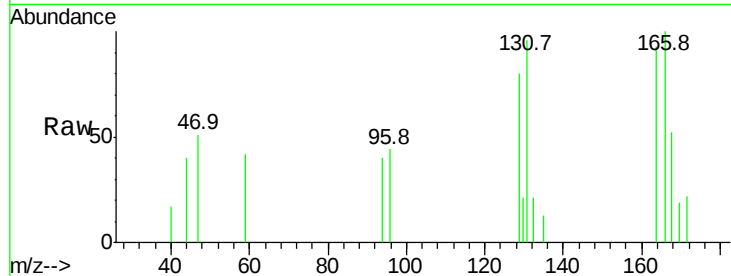
131 103.9 78.3 117.5

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL038653.D

Acq: 21 Mar 2022 15:45

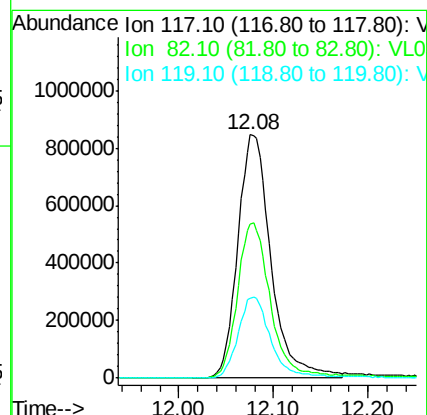
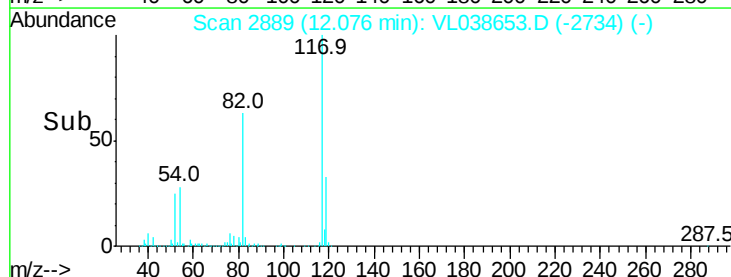
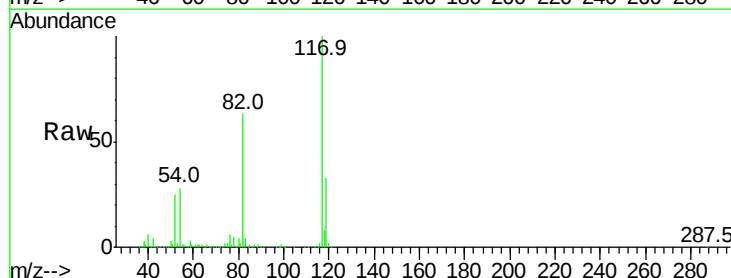
Tgt Ion:117 Resp: 2068735

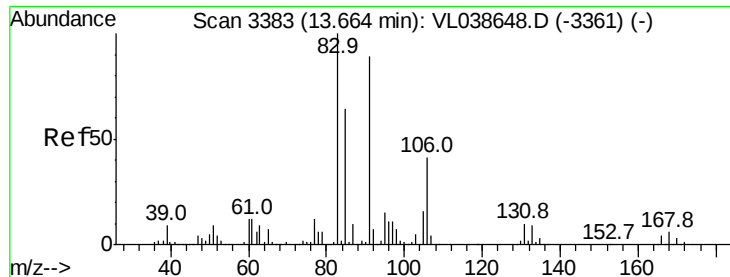
Ion Ratio Lower Upper

117 100

82 65.5 51.6 77.4

119 34.0 26.9 40.3



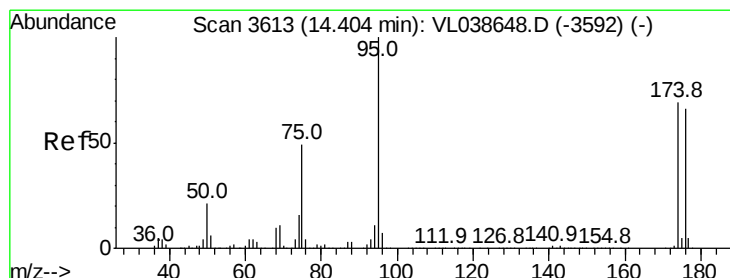
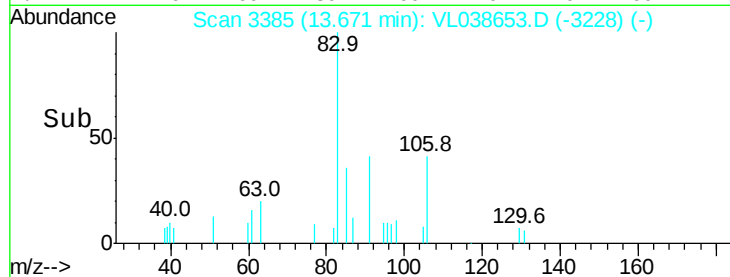
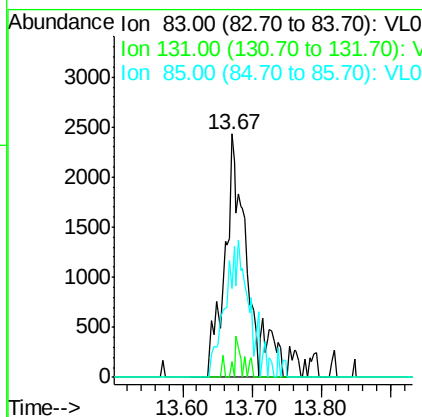
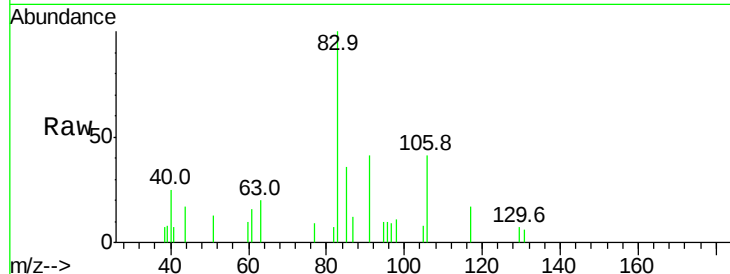


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.03 ppbv m
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC00.03
 Acq: 21 Mar 2022 15:45

Tgt Ion:
 Ion Ratio
 83 100
 131 0.
 85 0.

Manual Integrations
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 Supervised By :Mahesh Dadoda 03/24/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.95 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL038653.D
 Acq: 21 Mar 2022 15:45

Tgt Ion: 95 Resp: 1564512
 Ion Ratio Lower Upper
 95 100
 174 70.8 56.1 84.1
 175 5.1 4.2 6.2

