

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036474.D
 Acq On : 25 Mar 2021 4:33
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 25 09:26:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1678021m	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3767499	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3301368	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2607878	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	13167m	0.144	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	24215	0.094	ppbv	# 74
35) Carbon Tetrachloride	7.02	117	29100m	0.117	ppbv	
38) Trichloroethene	7.84	130	13342m	0.118	ppbv	
52) Tetrachloroethene	11.22	164	13369m	0.120	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	31465m	0.114	ppbv	

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

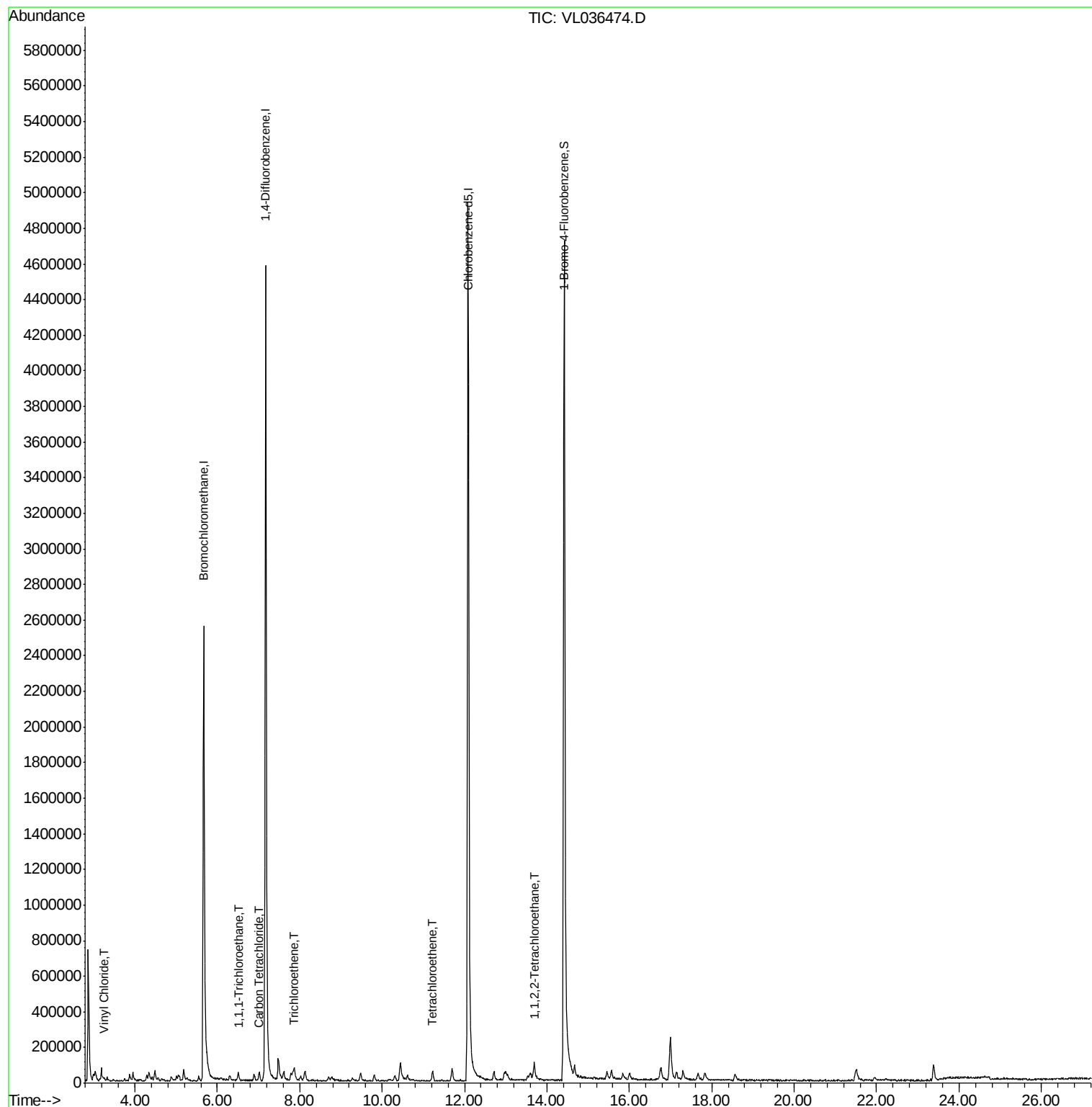
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
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#1

Bromochloromethane

Concen: 10.000 ppbv m

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 4:33 VSTDIC0.1

Tot Ion:

Ion Ratio

49 100

128 43.

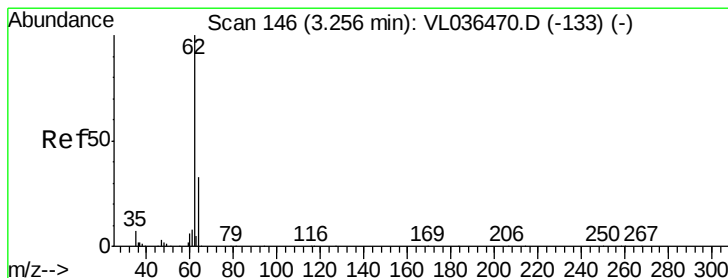
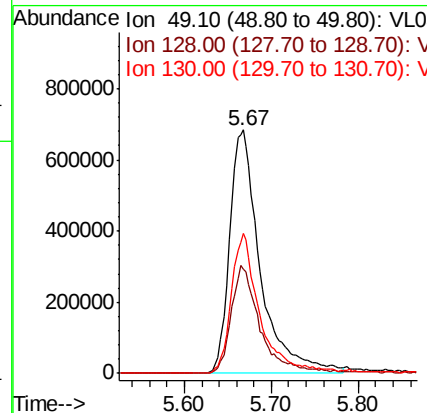
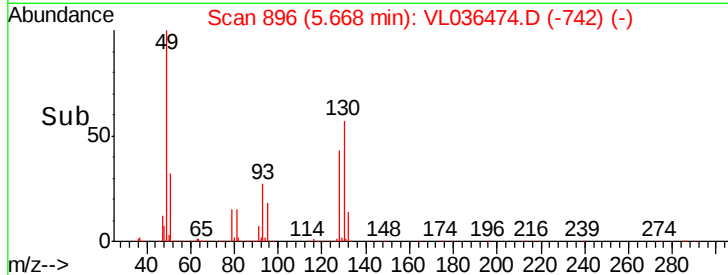
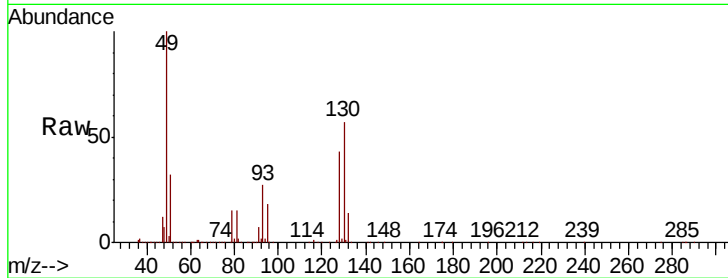
130 54.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.144 ppbv m

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036474.D

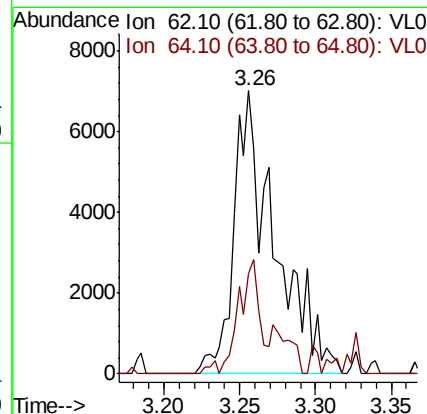
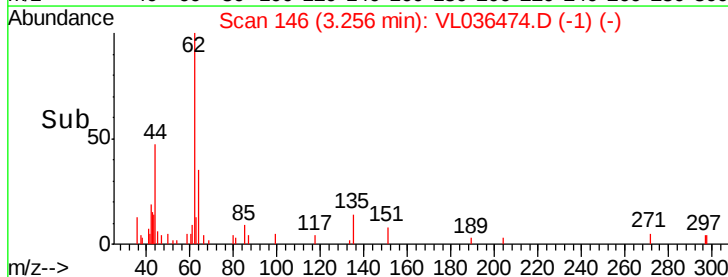
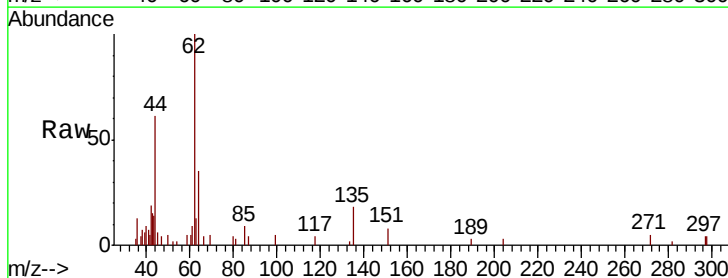
Acq: 25 Mar 2021 4:33

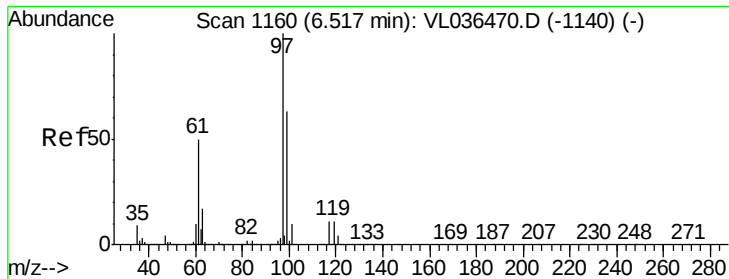
Tgt Ion: 62 Resp: 13167

Ion Ratio Lower Upper

62 100

64 35.2 26.4 39.6





#32

1,1,1-Trichloroethane

Concen: 0.094 ppbv

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 4:33 VSTDIC0.1

Tot Ion:

Ion Ratio

97 100

99 81.

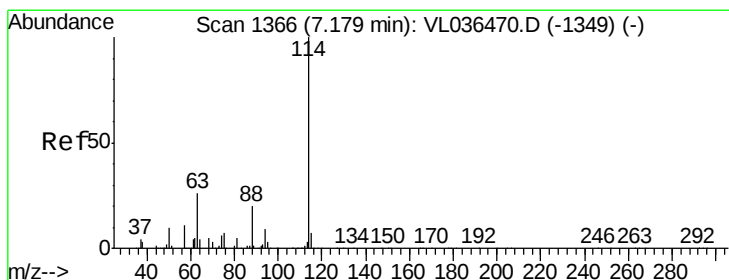
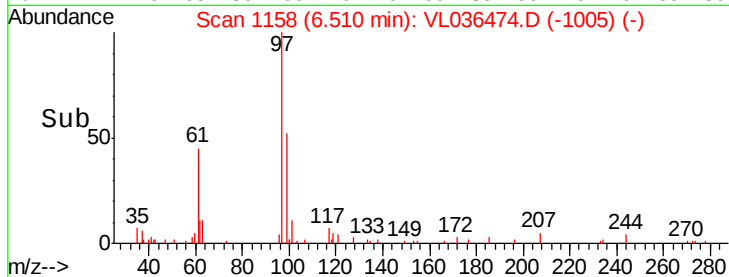
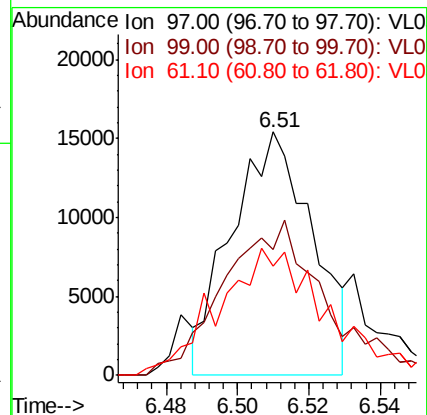
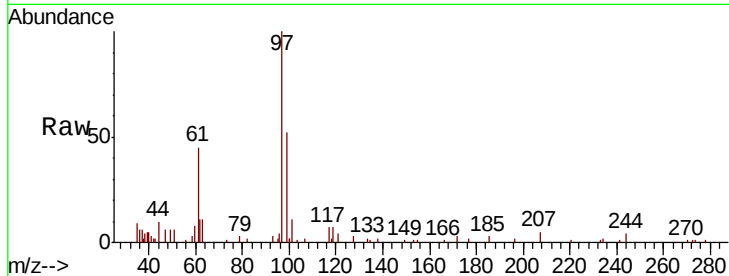
61 72.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036474.D

Acq: 25 Mar 2021 4:33

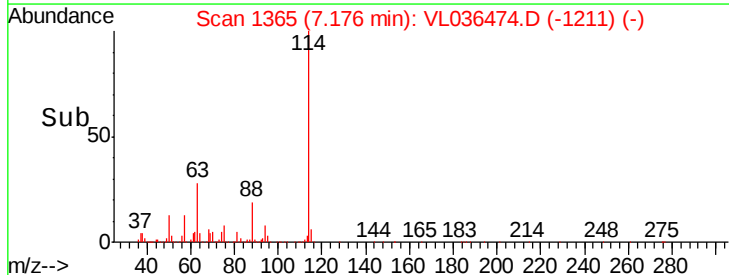
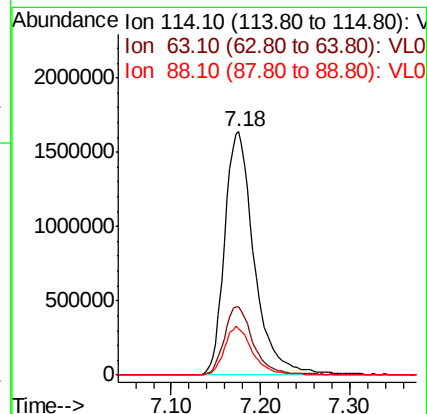
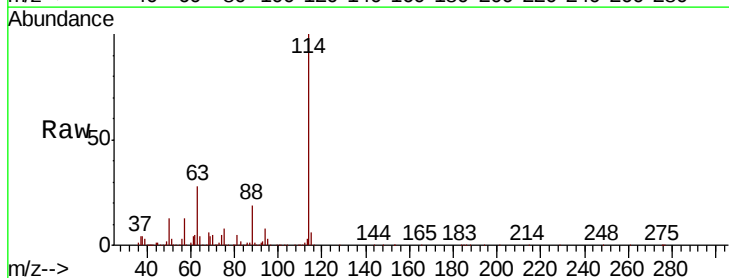
Tgt Ion:114 Resp: 3767499

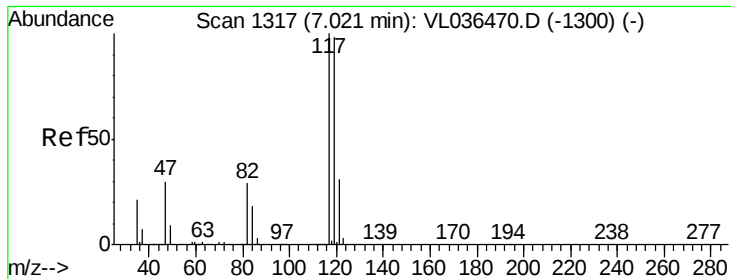
Ion Ratio Lower Upper

114 100

63 28.3 22.4 33.6

88 19.2 15.4 23.0





#35

Carbon Tetrachloride

Concen: 0.117 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 4:33

Tot Ion:1

Ion Rati

117 100

119 75.

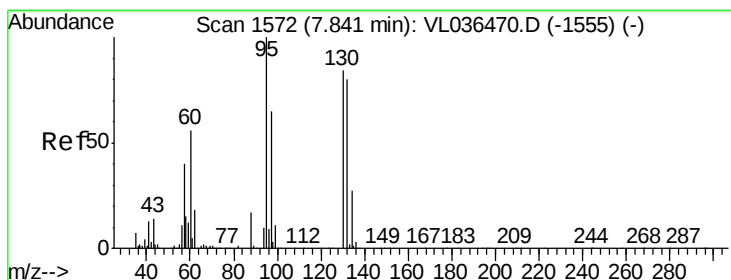
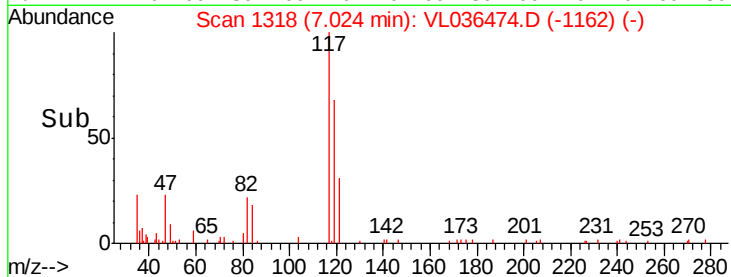
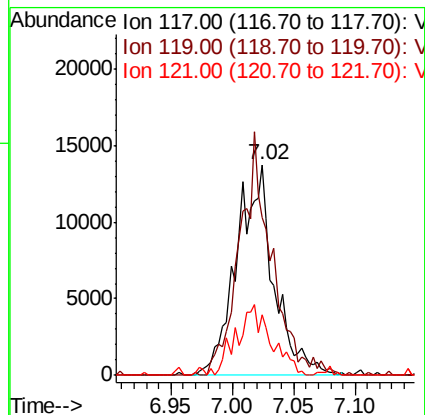
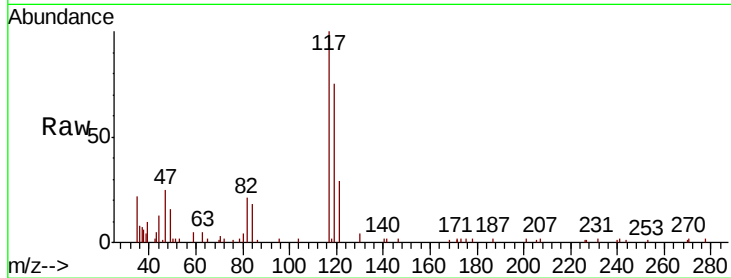
121 28.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2021



#38

Trichloroethene

Concen: 0.118 ppbv m

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL036474.D

Acq: 25 Mar 2021 4:33

Tgt Ion:130 Resp: 13342

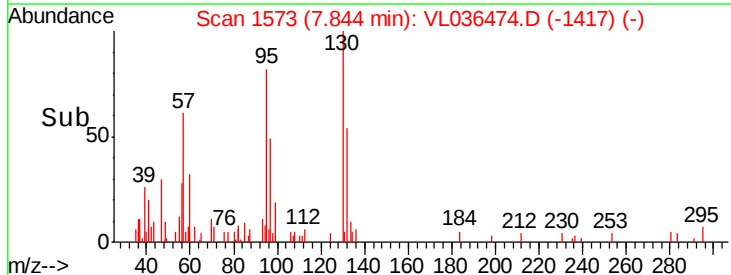
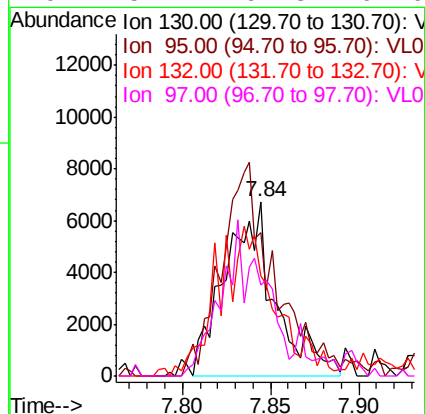
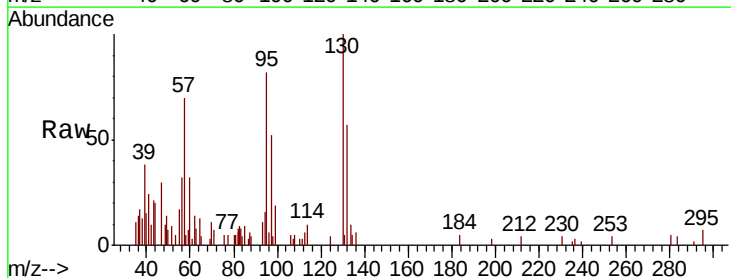
Ion Ratio Lower Upper

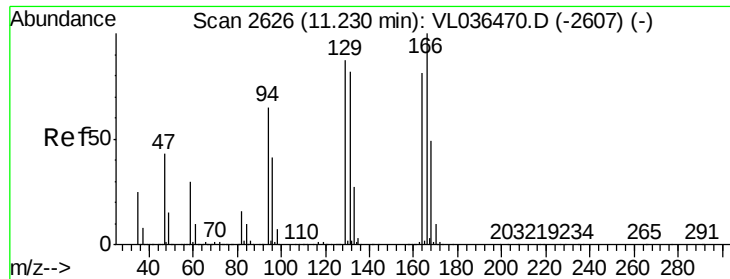
130 100

95 82.1 95.7 143.5#

132 56.9 76.2 114.4#

97 52.1 61.8 92.6#





#52

Tetrachloroethene

Concen: 0.120 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 4:33

Tot Ion:1

Ion Ratio

164 100

166 97.

129 82.

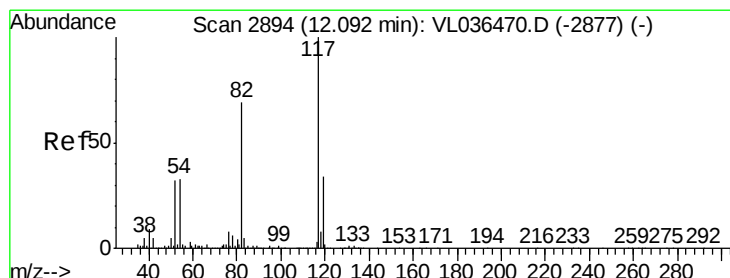
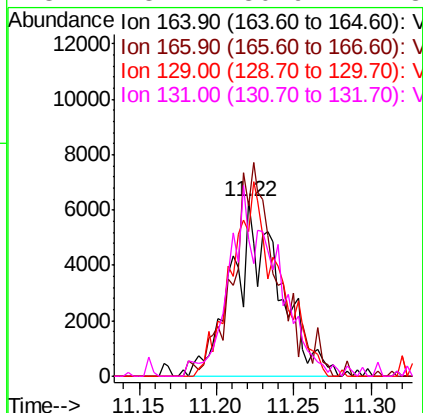
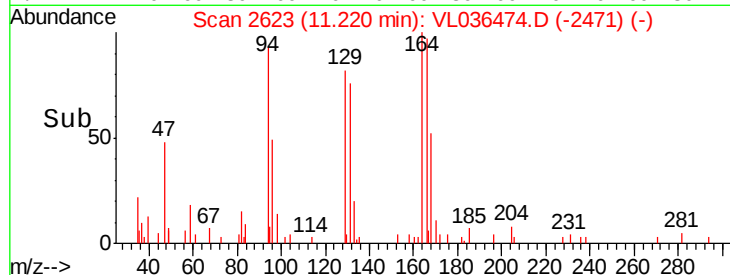
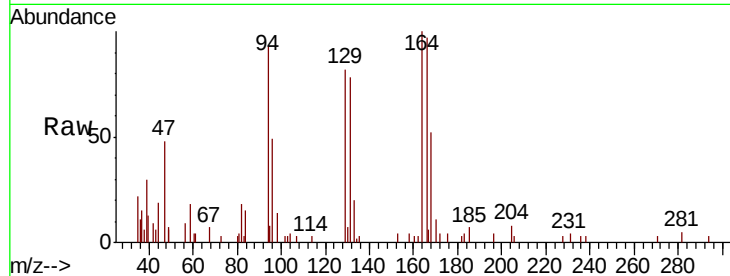
131 78.1 80.9 121.3#

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Supervised By :Mahesh Dadoda 03/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036474.D

Acq: 25 Mar 2021 4:33

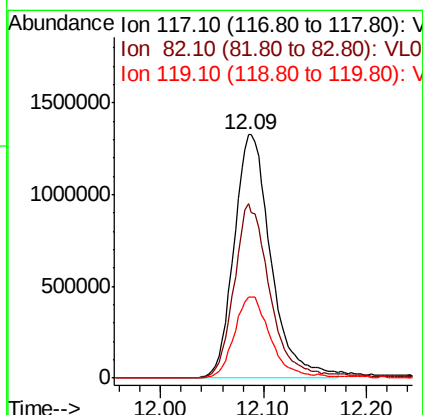
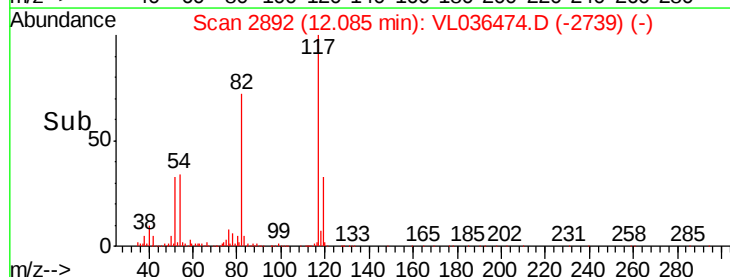
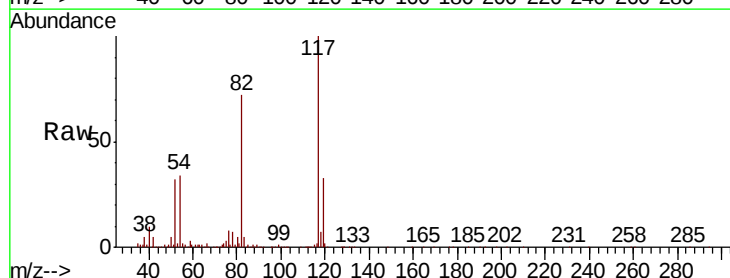
Tgt Ion:117 Resp: 3301368

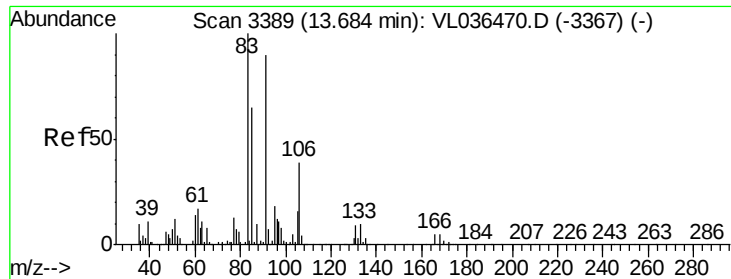
Ion Ratio Lower Upper

117 100

82 71.2 57.4 86.0

119 33.7 47.4 71.2#



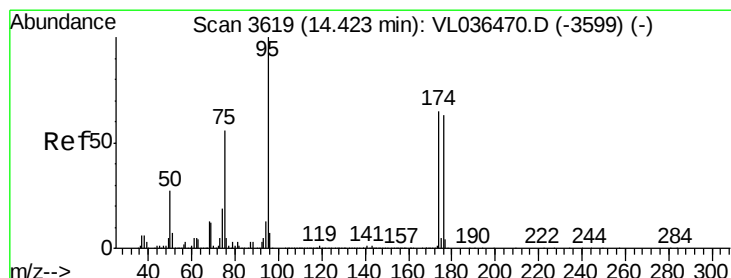
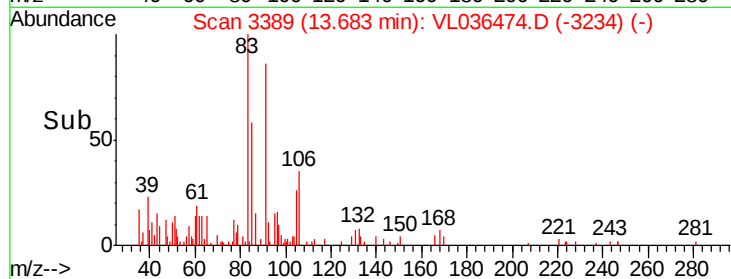
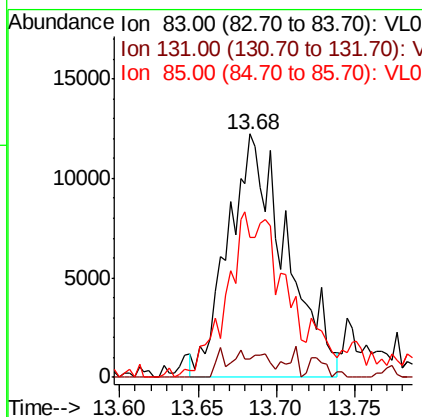
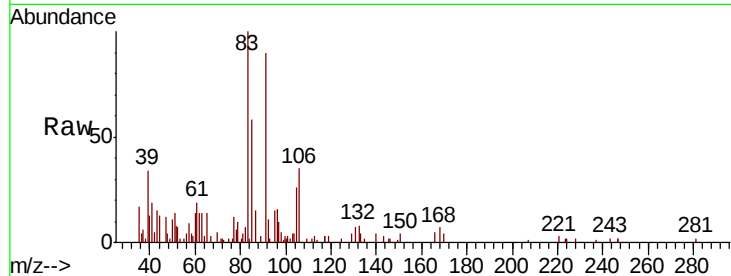


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.114 ppbv m
 RT: 13.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 4:33

Tot Ion:
 Ion Ratio
 83 100
 131 0.
 85 78.

Manual Integrations
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 Supervised By :Mahesh Dadoda 03/29/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.612 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036474.D
 Acq: 25 Mar 2021 4:33

Tgt Ion: 95 Resp: 2607878
 Ion Ratio Lower Upper
 95 100
 174 66.1 51.0 76.6
 175 4.9 3.9 5.9

