

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036438.D
 Acq On : 3 Mar 2021 12:43
 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 03/04/2021
 Supervised By :Mahesh Dadoda 03/04/2021

Quant Time: Mar 03 14:15:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Mar 03 10:40:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1715479	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3847987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3591489	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2858224	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	2781m	0.029	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	8799m	0.035	ppbv	
35) Carbon Tetrachloride	7.04	117	8680m	0.034	ppbv	
38) Trichloroethene	7.87	130	4019m	0.034	ppbv	
52) Tetrachloroethene	11.24	164	3996m	0.033	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.70	83	10013m	0.031	ppbv	

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

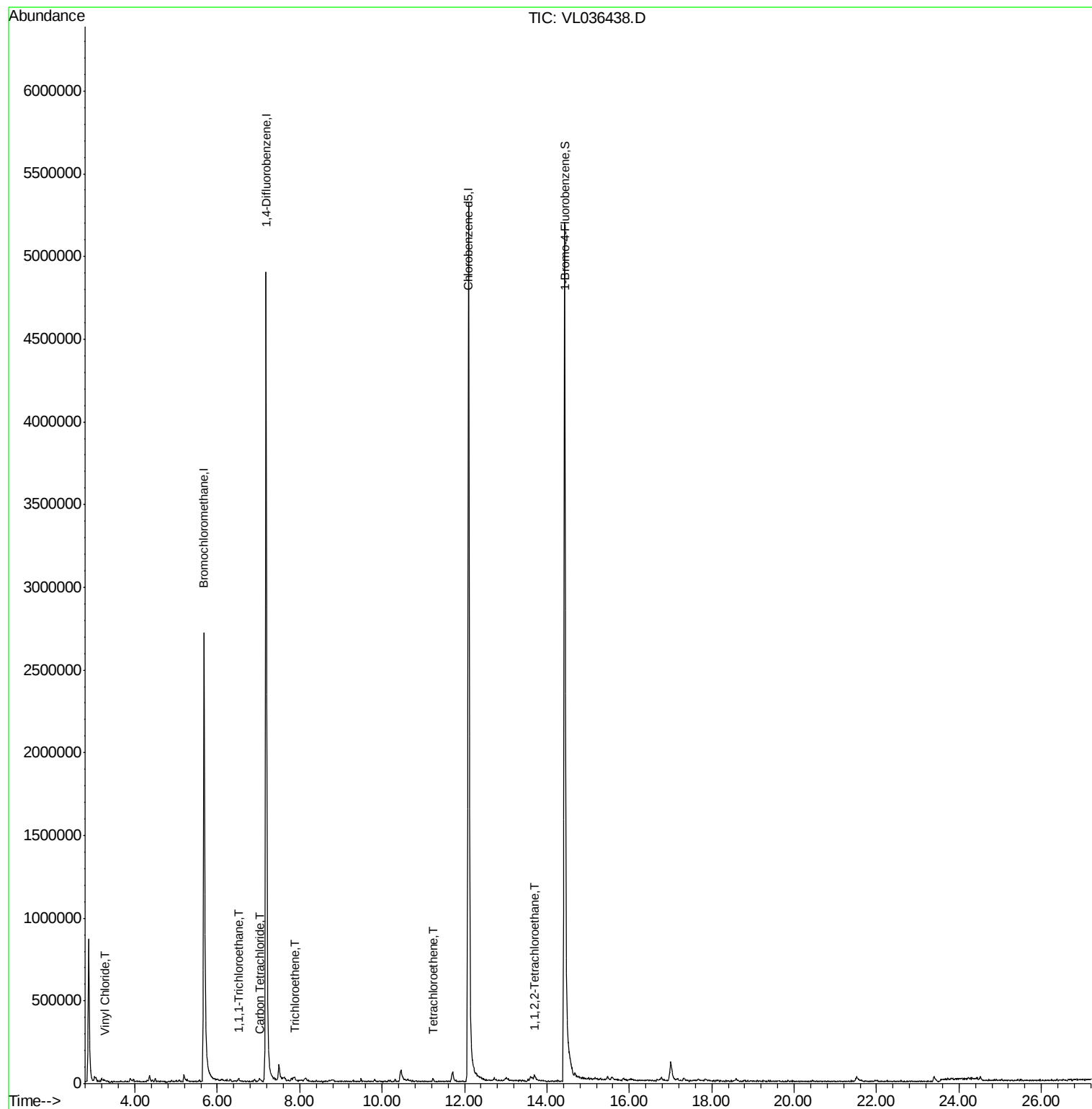
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030321\
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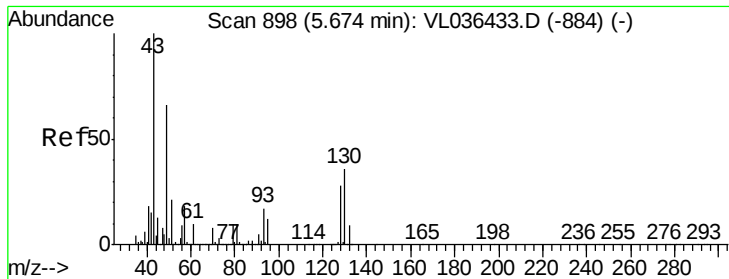
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Mar 03 14:15:40 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030321
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tot Ion:

Ion Ratio

49 100

128 42.

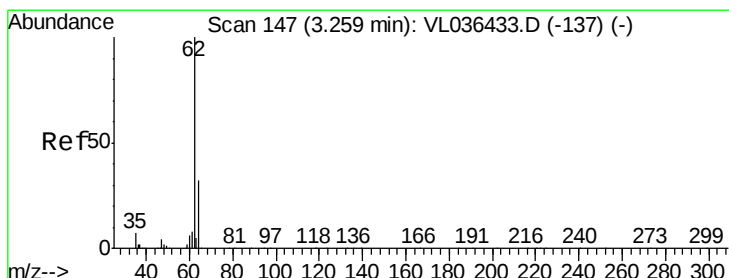
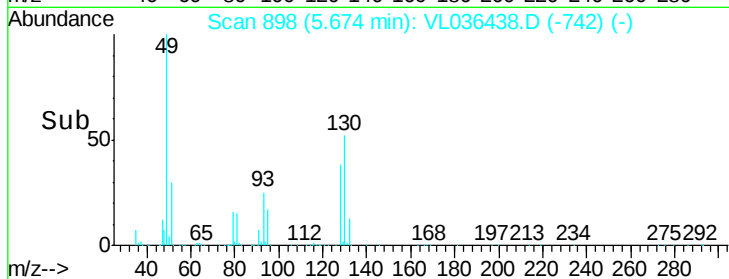
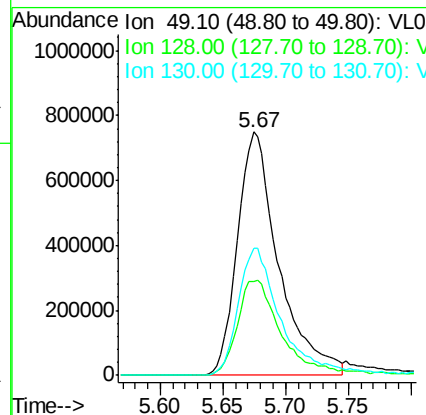
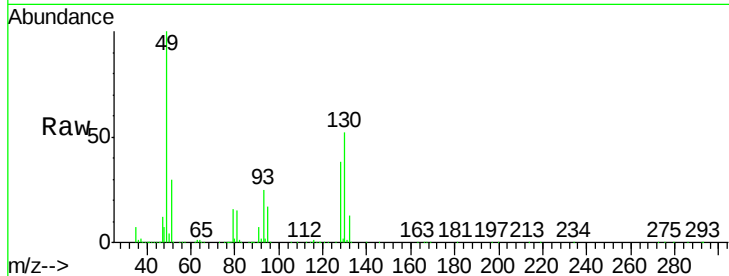
130 54.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.029 ppbv m

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036438.D

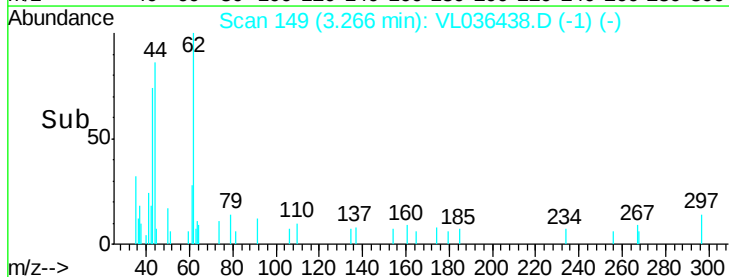
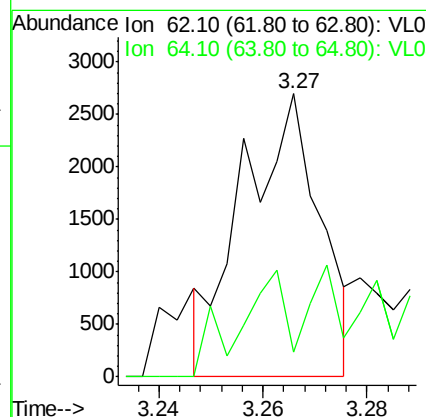
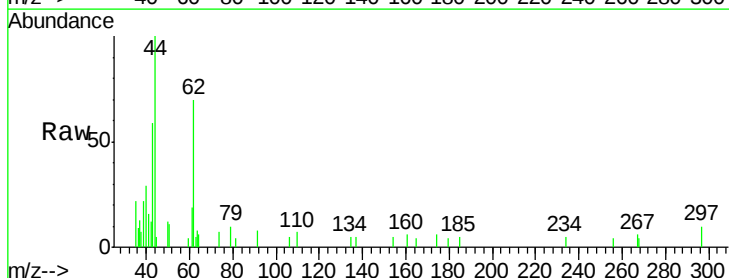
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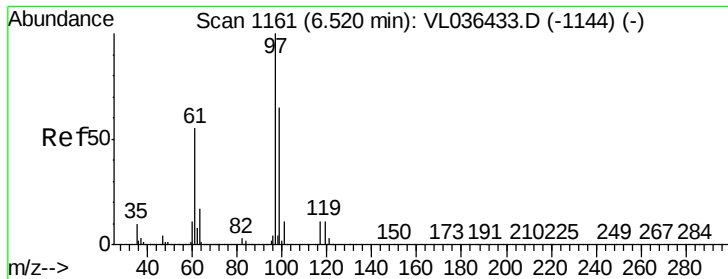
Tgt Ion: 62 Resp: 2781

Ion Ratio Lower Upper

62 100

64 8.9 25.4 38.2#





#32

1,1,1-Trichloroethane

Concen: 0.035 ppbv m

RT: 6.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tot Ion:

Ion Ratio

97 100

99 73.

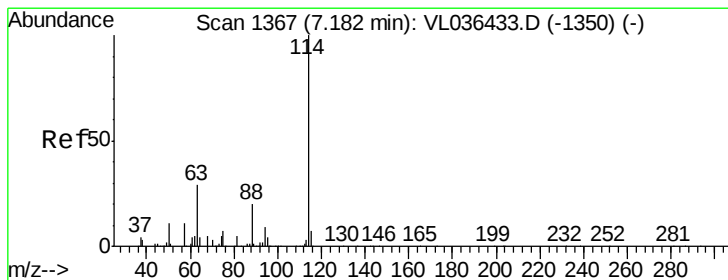
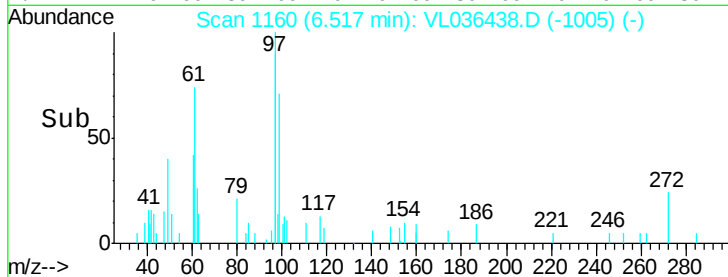
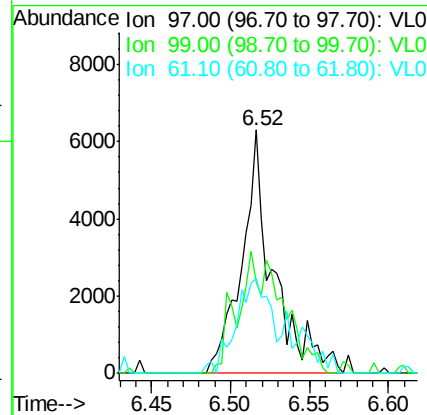
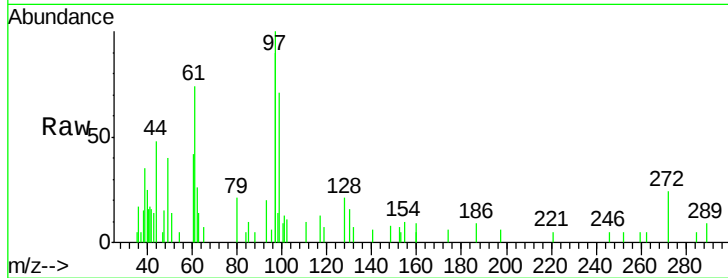
61 61.

Manual Integrations

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Supervised By :Mahesh Dadoda 03/04/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL036438.D

Acq: 3 Mar 2021 12:43

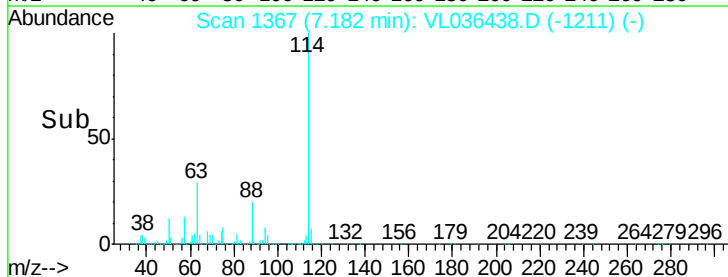
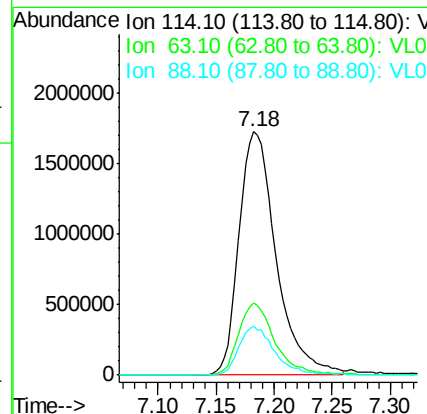
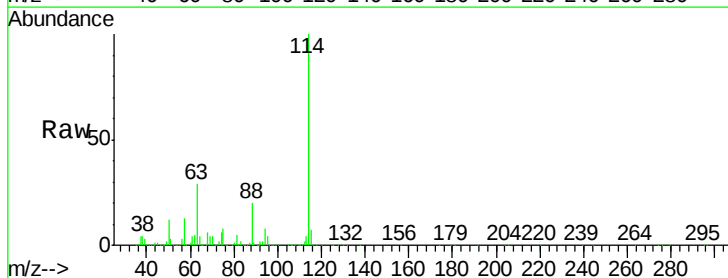
Tgt Ion:114 Resp: 3847987

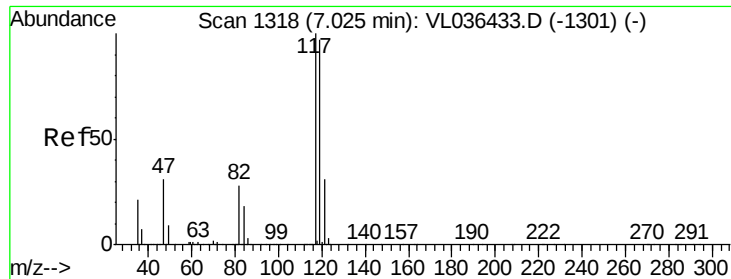
Ion Ratio Lower Upper

114 100

63 29.0 23.3 34.9

88 19.6 15.6 23.4





#35

Carbon Tetrachloride

Concen: 0.034 ppbv m

RT: 7.04 Instrument:

Delta R.T. MSVOA_L

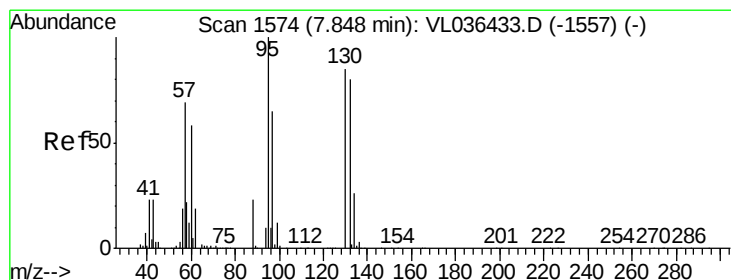
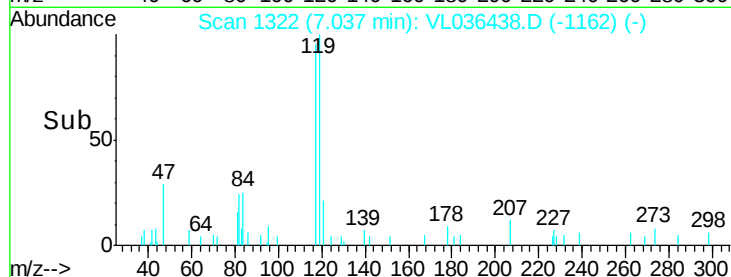
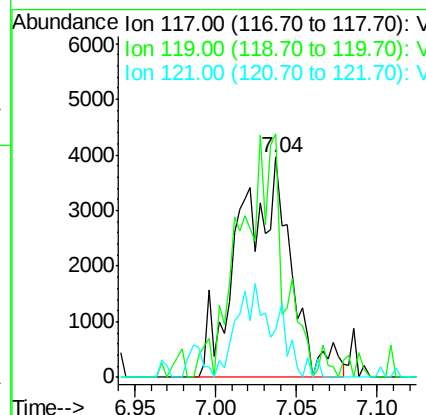
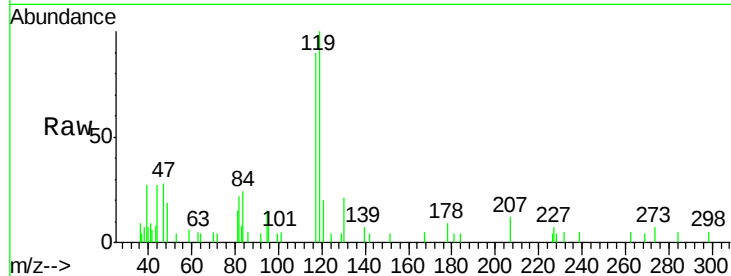
Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tot Ion:1
Ion Rati
117 100
119 110.
121 21.

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#38

Trichloroethene

Concen: 0.034 ppbv m

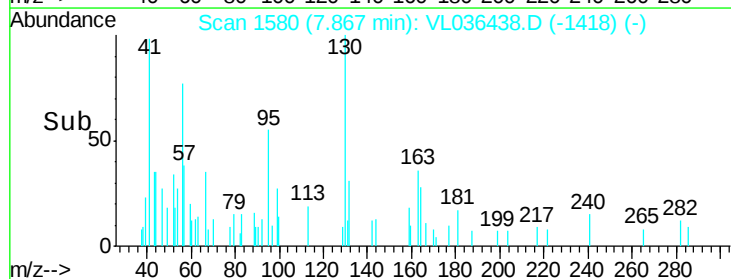
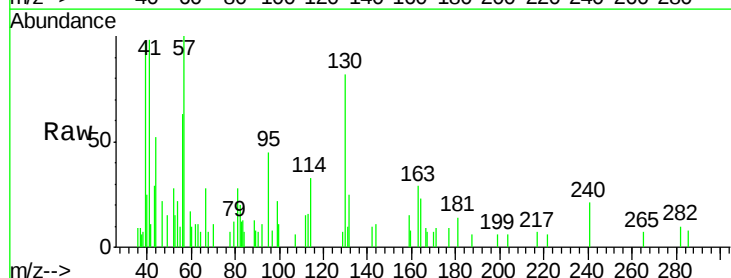
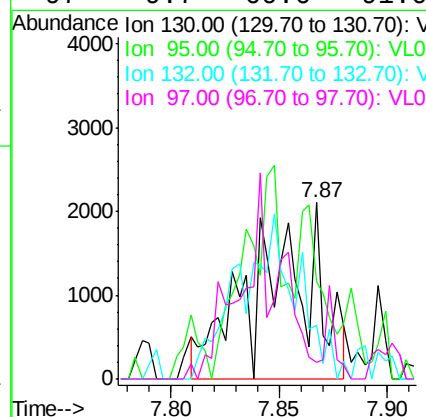
RT: 7.87 min Scan# 1580

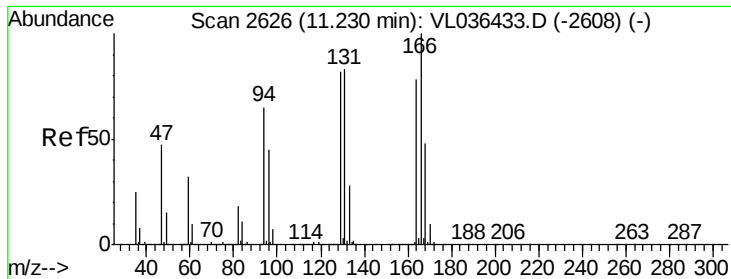
Delta R.T. 0.02 min

Lab File: VL036438.D

Acq: 3 Mar 2021 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	4019		
95	55.3		93.8	140.8#
132	30.8		74.6	112.0#
97	9.7		60.6	91.0#





#52

Tetrachloroethene

Concen: 0.033 ppbv m

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tot Ion:1

Ion Rati

164 100

166 100.

129 52.

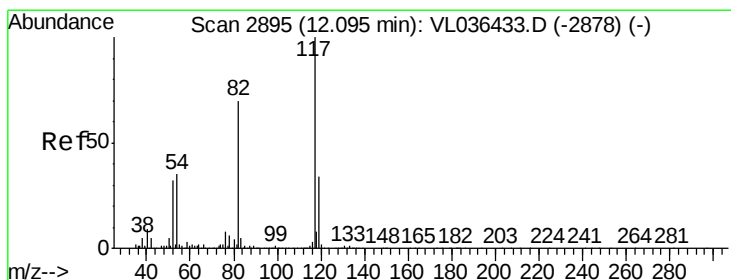
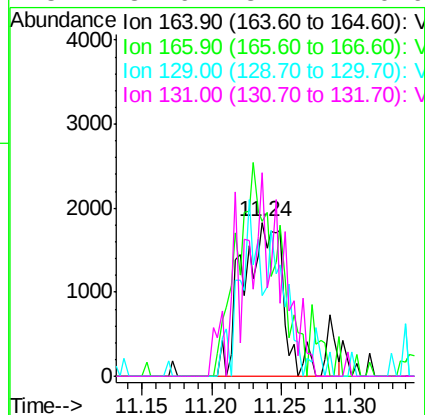
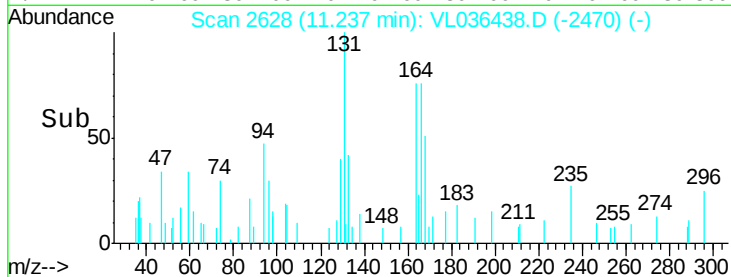
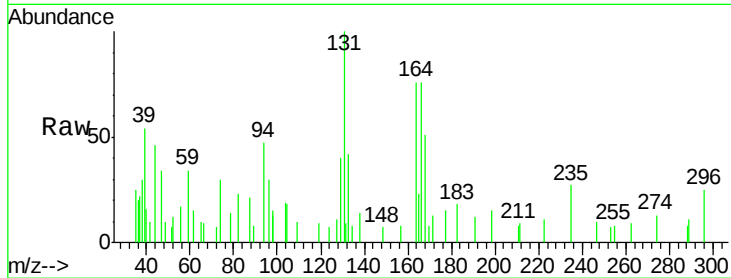
131 131.6 84.4 126.6#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL036438.D

Acq: 3 Mar 2021 12:43

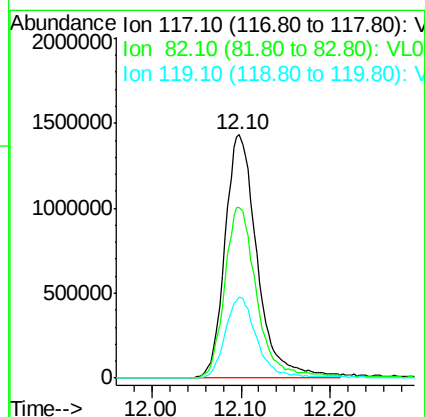
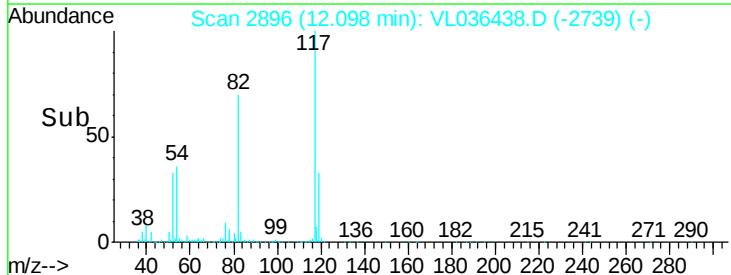
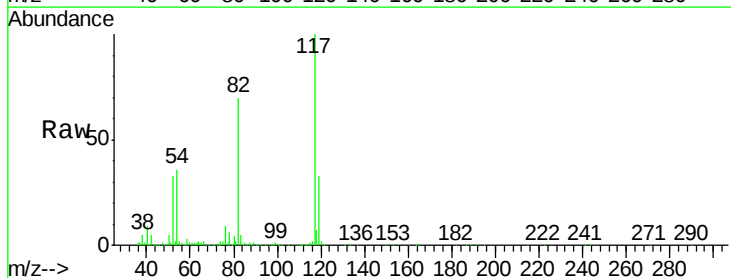
Tgt Ion:117 Resp: 3591489

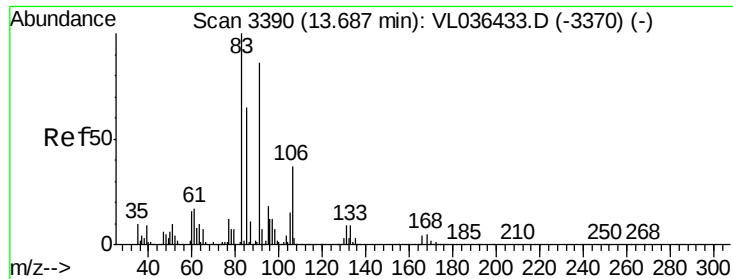
Ion Ratio Lower Upper

117 100

82 71.0 56.5 84.7

119 33.1 27.0 40.4



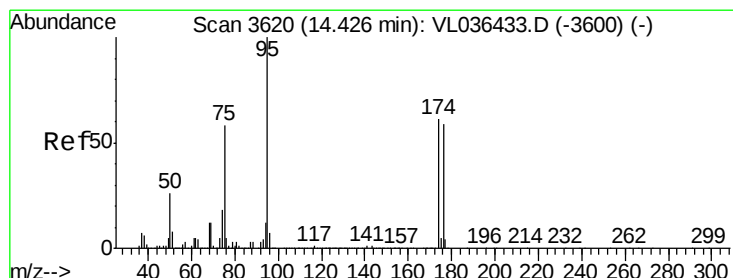
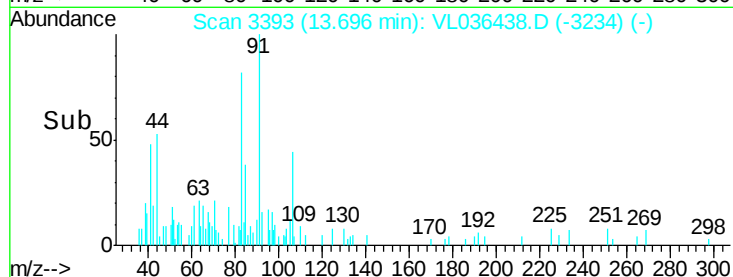
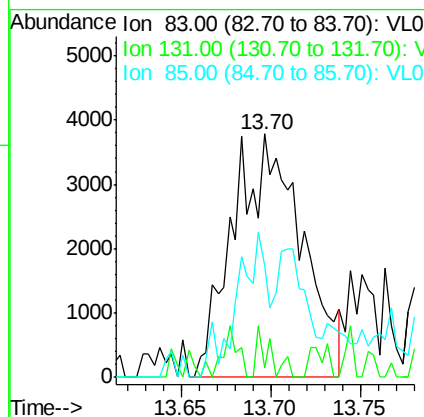
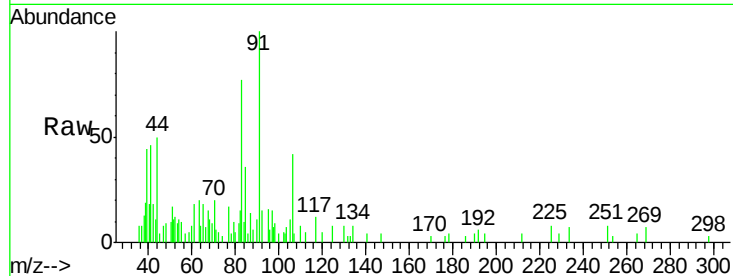


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.031 ppbv m
 RT: 13.70
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2021 12:43

Tot Ion:
 Ion Ratio
 83 100
 131 8.
 85 73.

Manual Integrations
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 Supervised By :Mahesh Dadoda 03/04/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.673 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.00 min
 Lab File: VL036438.D
 Acq: 3 Mar 2021 12:43

Tgt Ion: 95 Resp: 2858224
 Ion Ratio Lower Upper
 95 100
 174 64.7 51.0 76.4
 175 4.6 3.8 5.6

