

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036847.D
 Acq On : 27 Apr 2021 4:33
 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 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021

Quant Time: Apr 27 08:01:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 07:21:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1609588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3874650	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3348208	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2655232	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.25	62	3293m	0.031	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	9192m	0.033	ppbv	
35) Carbon Tetrachloride	7.01	117	7446m	0.025	ppbv	
38) Trichloroethene	7.83	130	2954m	0.021	ppbv	
52) Tetrachloroethene	11.21	164	3164m	0.024	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	10240m	0.033	ppbv	

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

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VSTDICC0.03

Manual Integrations
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Quant Time: Apr 27 08:01:01 2021

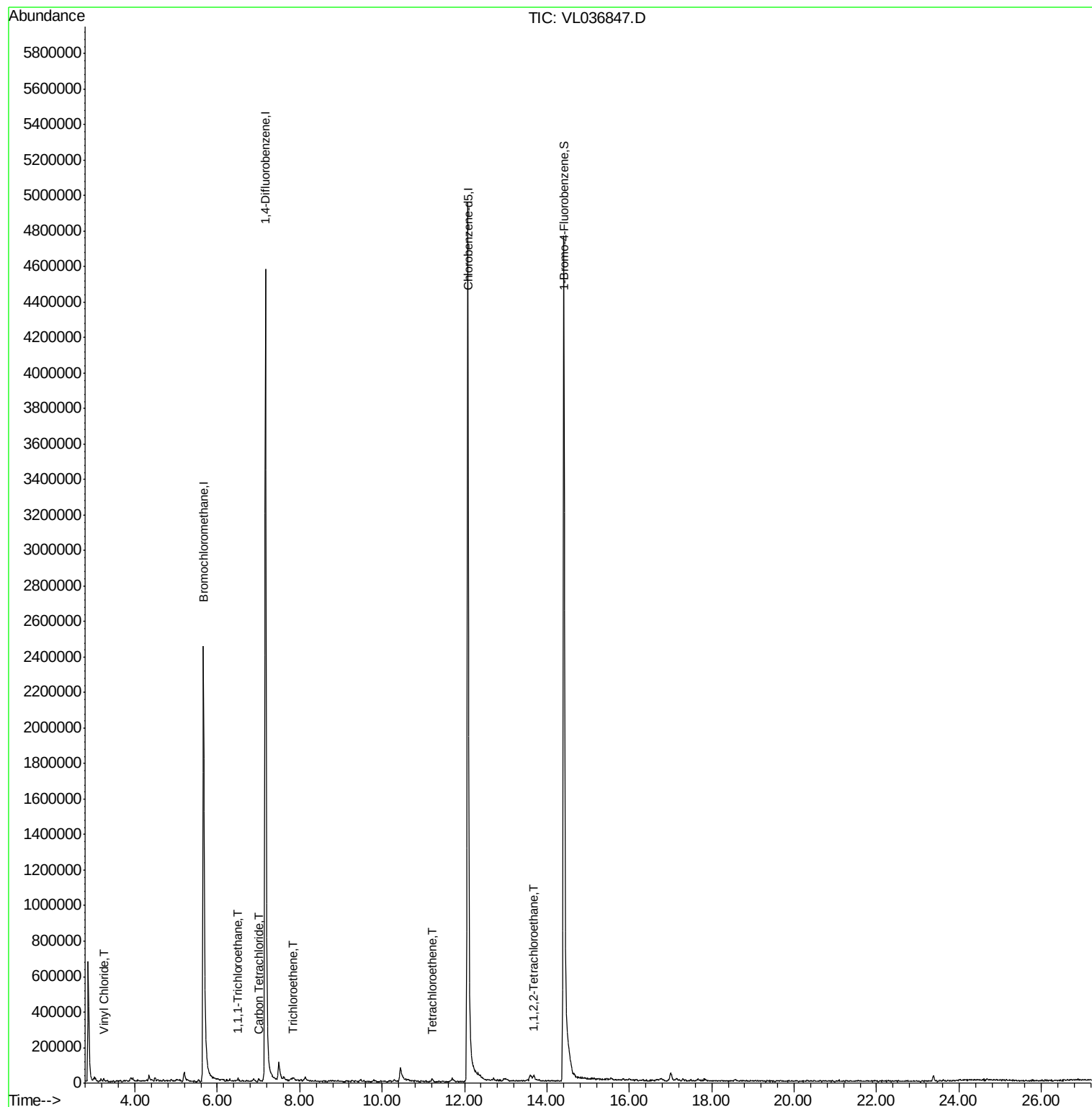
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721

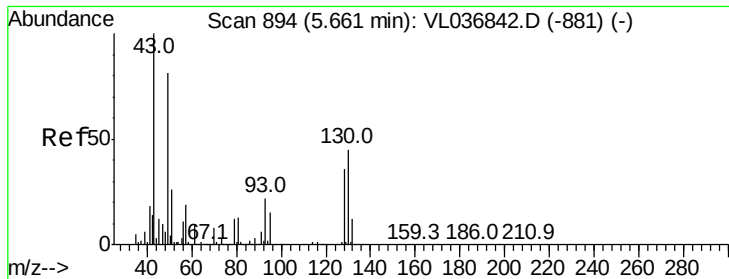
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Apr 27 07:21:25 2021

Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 27 Apr 2021 4:33

Tot Ion:

Ion Ratio

49 100

128 46.

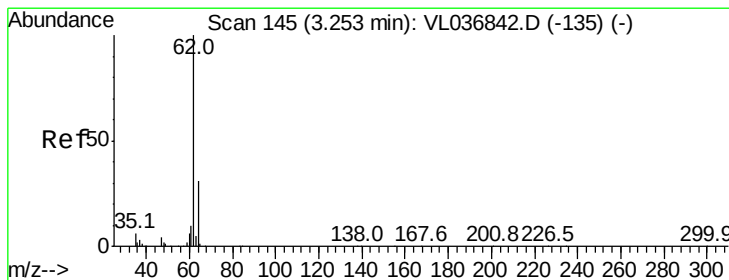
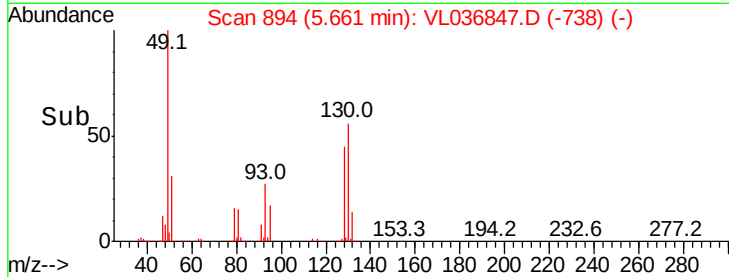
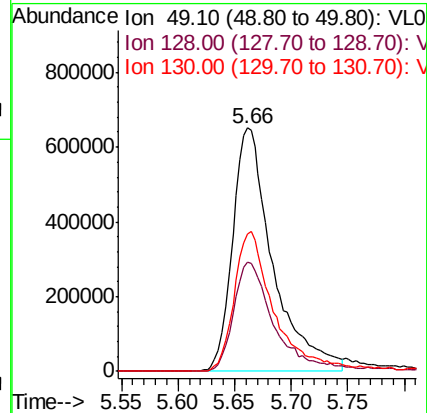
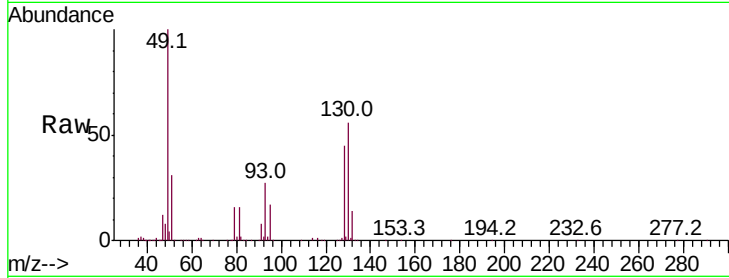
130 59.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.031 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL036847.D

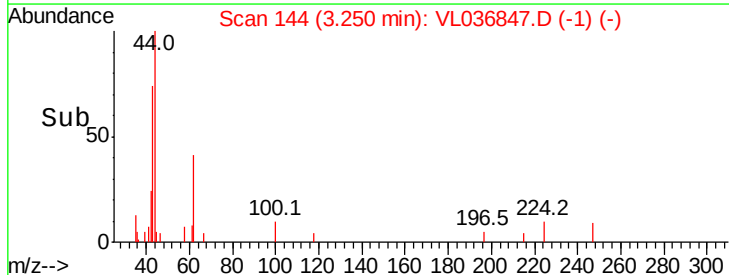
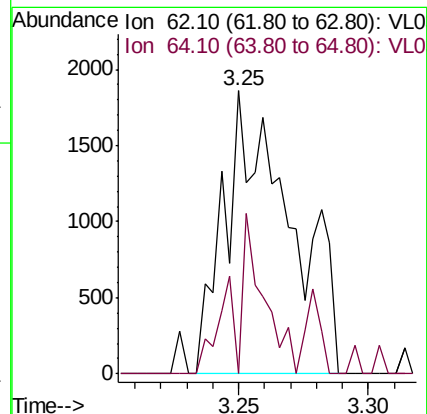
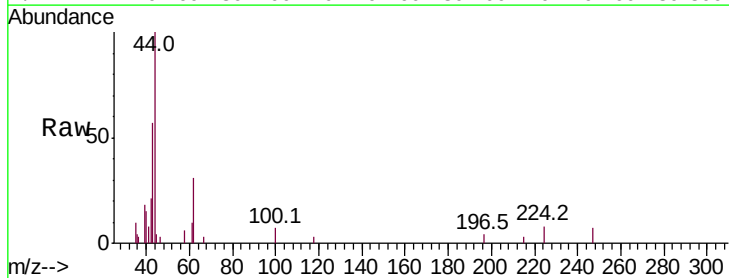
Acq: 27 Apr 2021 4:33

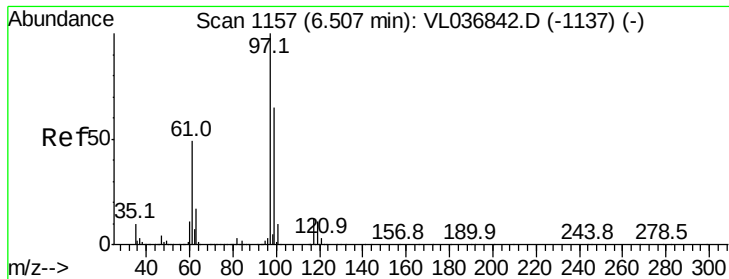
Tgt Ion: 62 Resp: 3293

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.4#



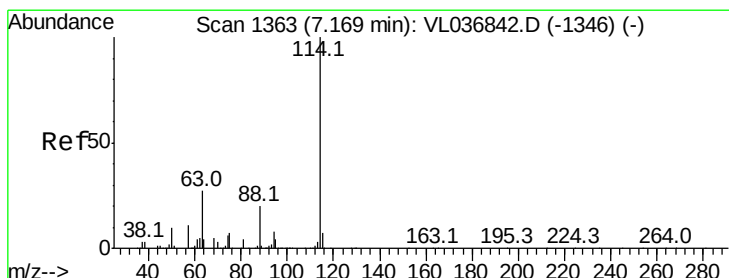
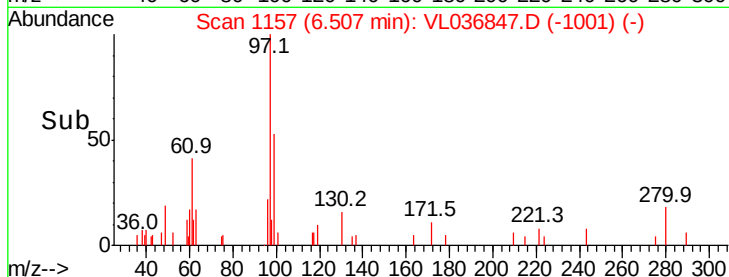
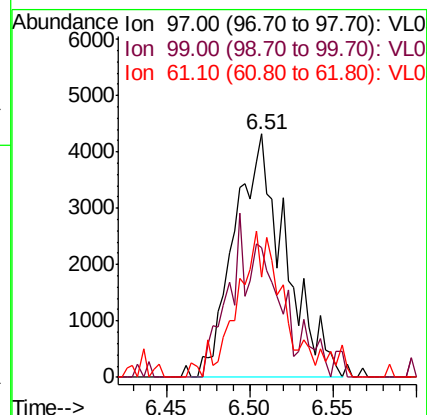
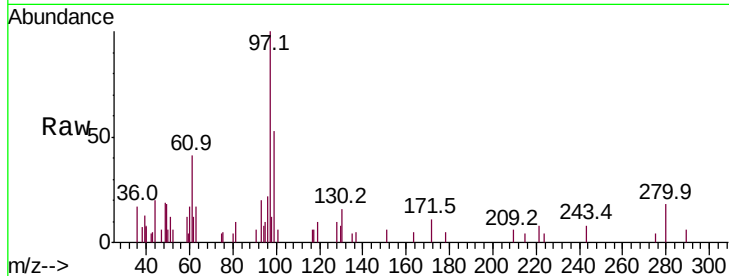


#32
 1,1,1-Trichloroethane
 Concen: 0.033 ppbv m
 RT: 6.51
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 4:33

Tot Ion:
 Ion Ratio
 97 100
 99 0.
 61 57.

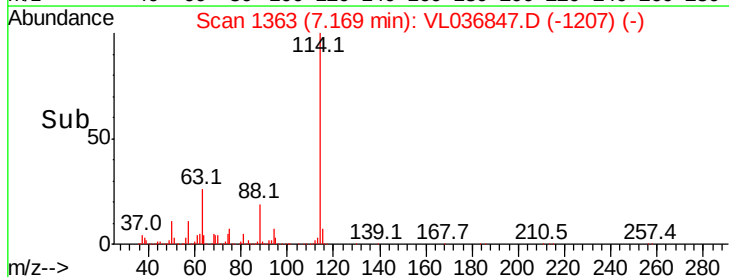
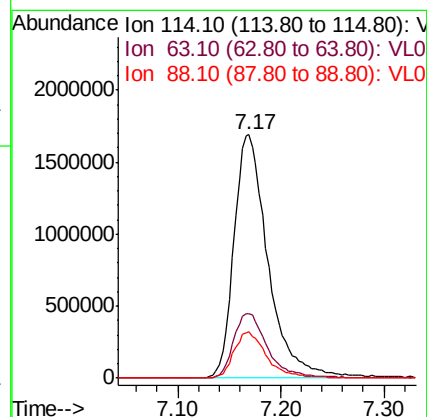
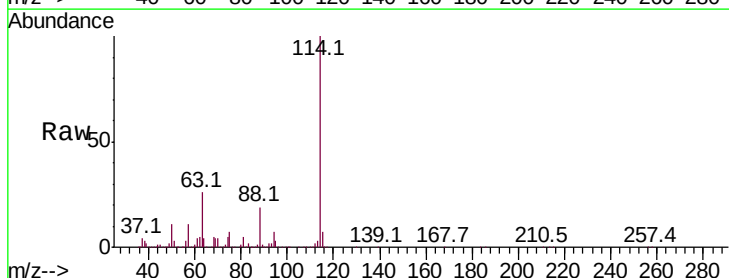
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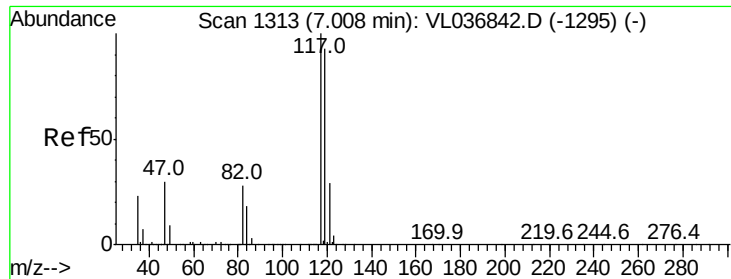
Reviewed By :Semsettin Yesilyurt 04/28/2021
 Supervised By :Mahesh Dadoda 04/29/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL036847.D
 Acq: 27 Apr 2021 4:33

Tgt Ion:114 Resp: 3874650
 Ion Ratio Lower Upper
 114 100
 63 27.1 21.9 32.9
 88 18.7 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.025 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

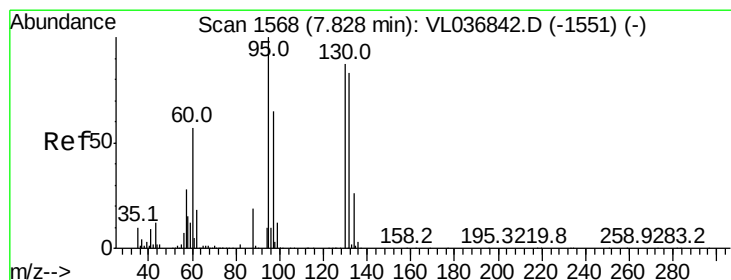
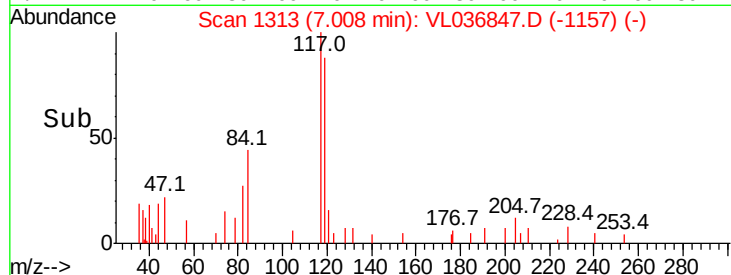
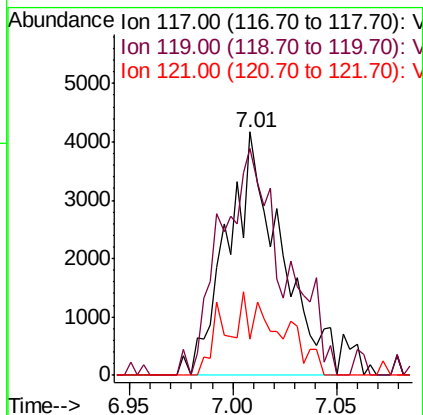
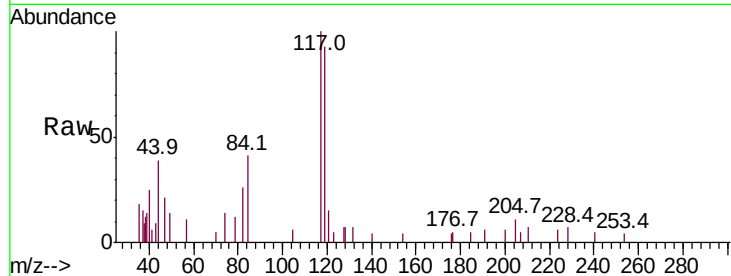
VSTDIC0.03

Acq: 27 Apr 2021 4:33

Tot Ion:1
Ion Rati
117 100
119 93.
121 15.

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#38

Trichloroethene

Concen: 0.021 ppbv m

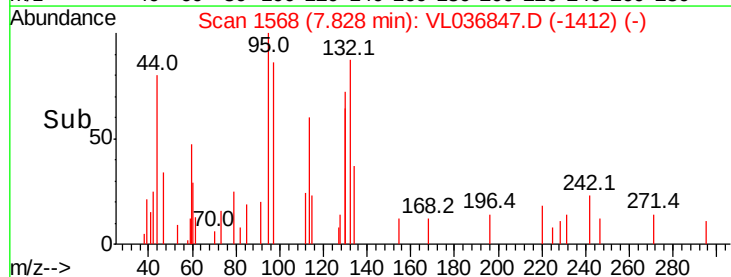
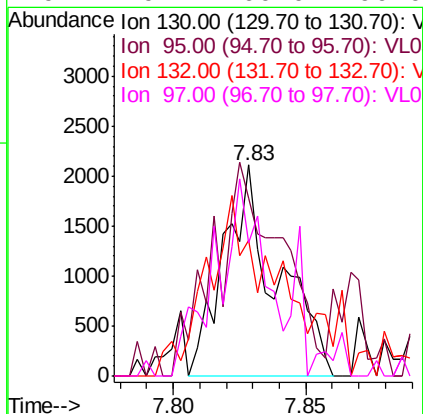
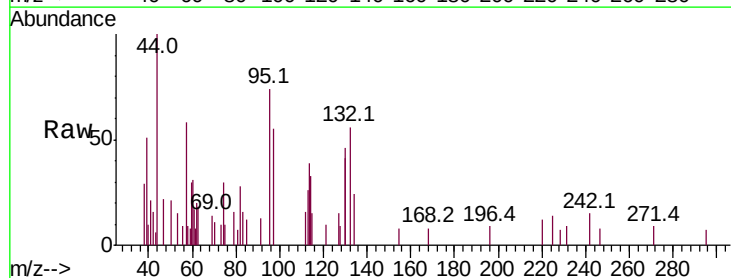
RT: 7.83 min Scan# 1568

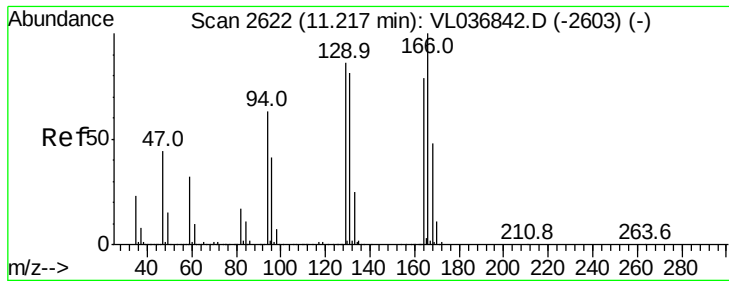
Delta R.T. 0.00 min

Lab File: VL036847.D

Acq: 27 Apr 2021 4:33

Tgt Ion:130 Resp: 2954
Ion Ratio Lower Upper
130 100
95 159.3 92.3 138.5#
132 121.4 76.8 115.2#
97 119.4 60.0 90.0#





#52

Tetrachloroethene

Concen: 0.024 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 4:33

Tot Ion:1

Ion Rati

164 100

166 40.

129 45.

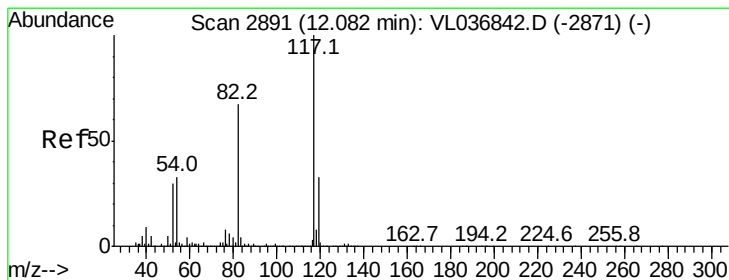
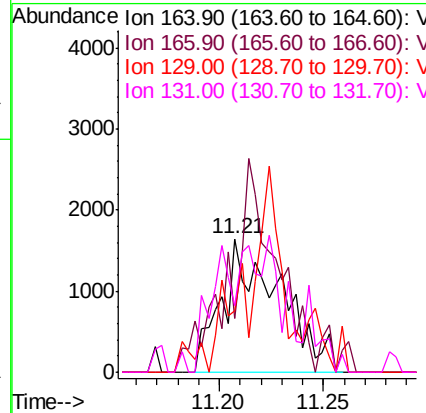
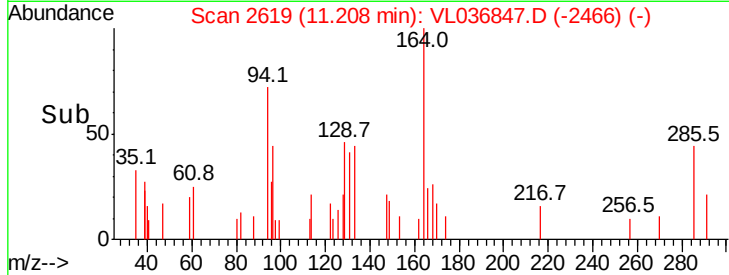
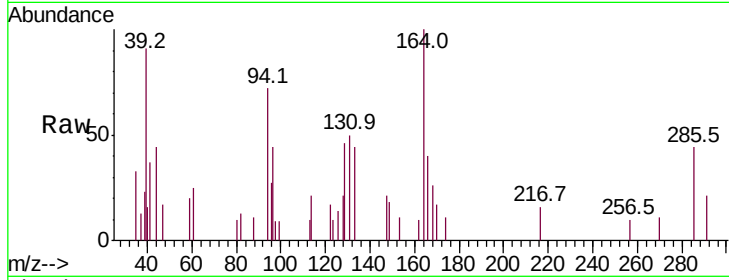
131 50.1 81.7 122.5#

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Supervised By :Mahesh Dadoda 04/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL036847.D

Acq: 27 Apr 2021 4:33

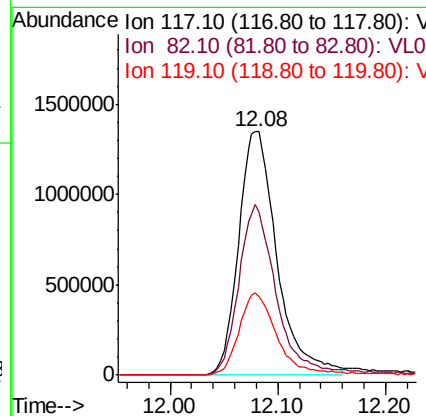
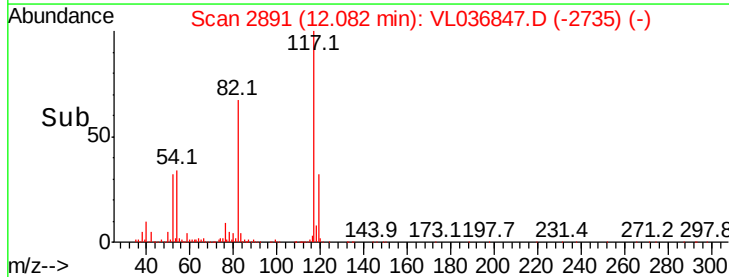
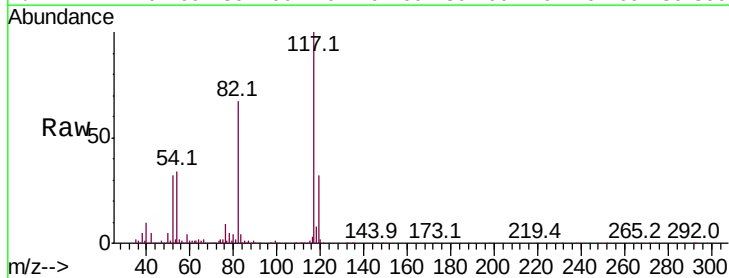
Tgt Ion:117 Resp: 3348208

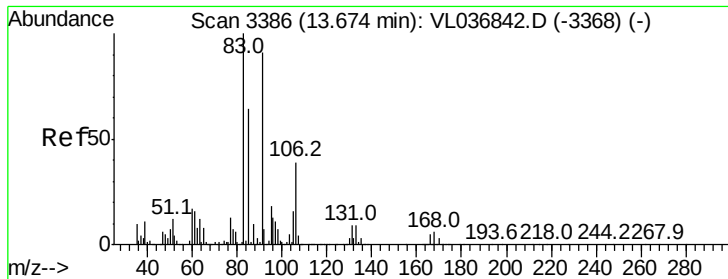
Ion Ratio Lower Upper

117 100

82 70.8 53.4 80.2

119 33.7 44.9 67.3#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.033 ppbv m

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 4:33

Tot Ion:

Ion Ratio

83 100

131 13.

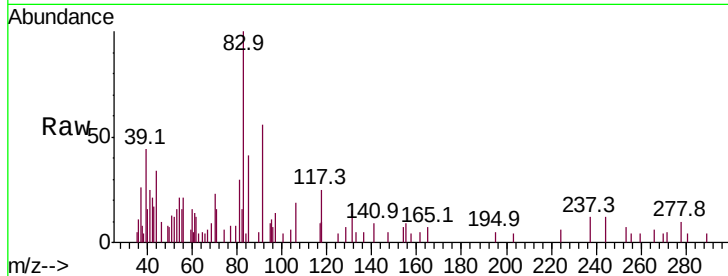
85 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/28/2021

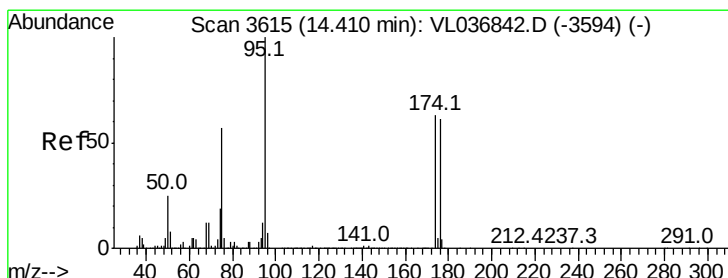
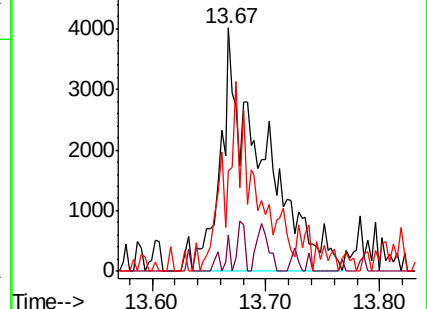
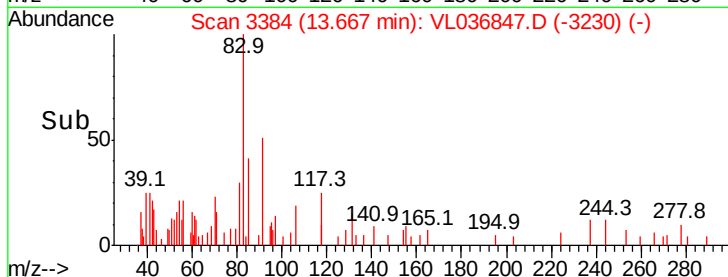
Supervised By :Mahesh Dadoda 04/29/2021



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL036847.D

Acq: 27 Apr 2021 4:33

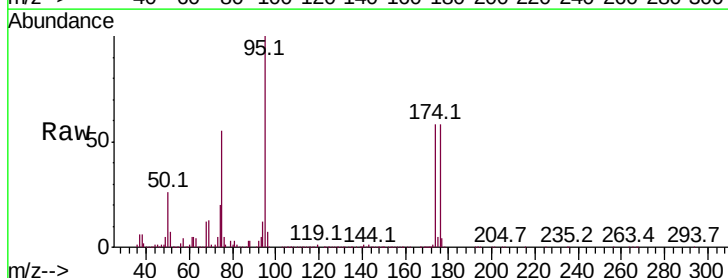
Tgt Ion: 95 Resp: 2655232

Ion Ratio Lower Upper

95 100

174 67.0 52.4 78.6

175 4.7 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

