

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036903.D
 Acq On : 6 May 2021 14:50
 Operator : SY/AP
 Sample : M2262-13 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2021
 Supervised By :Mahesh Dadoda 05/10/2021

Quant Time: May 07 09:18:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1372061	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3191253	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2778720	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2230838	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	3.26	62	3154m	0.038	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	10330m	0.044	ppbv	
35) Carbon Tetrachloride	7.01	117	10426m	0.048	ppbv	
38) Trichloroethene	7.84	130	3660m	0.038	ppbv	
52) Tetrachloroethene	11.22	164	3754m	0.041	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	11339m	0.046	ppbv	

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

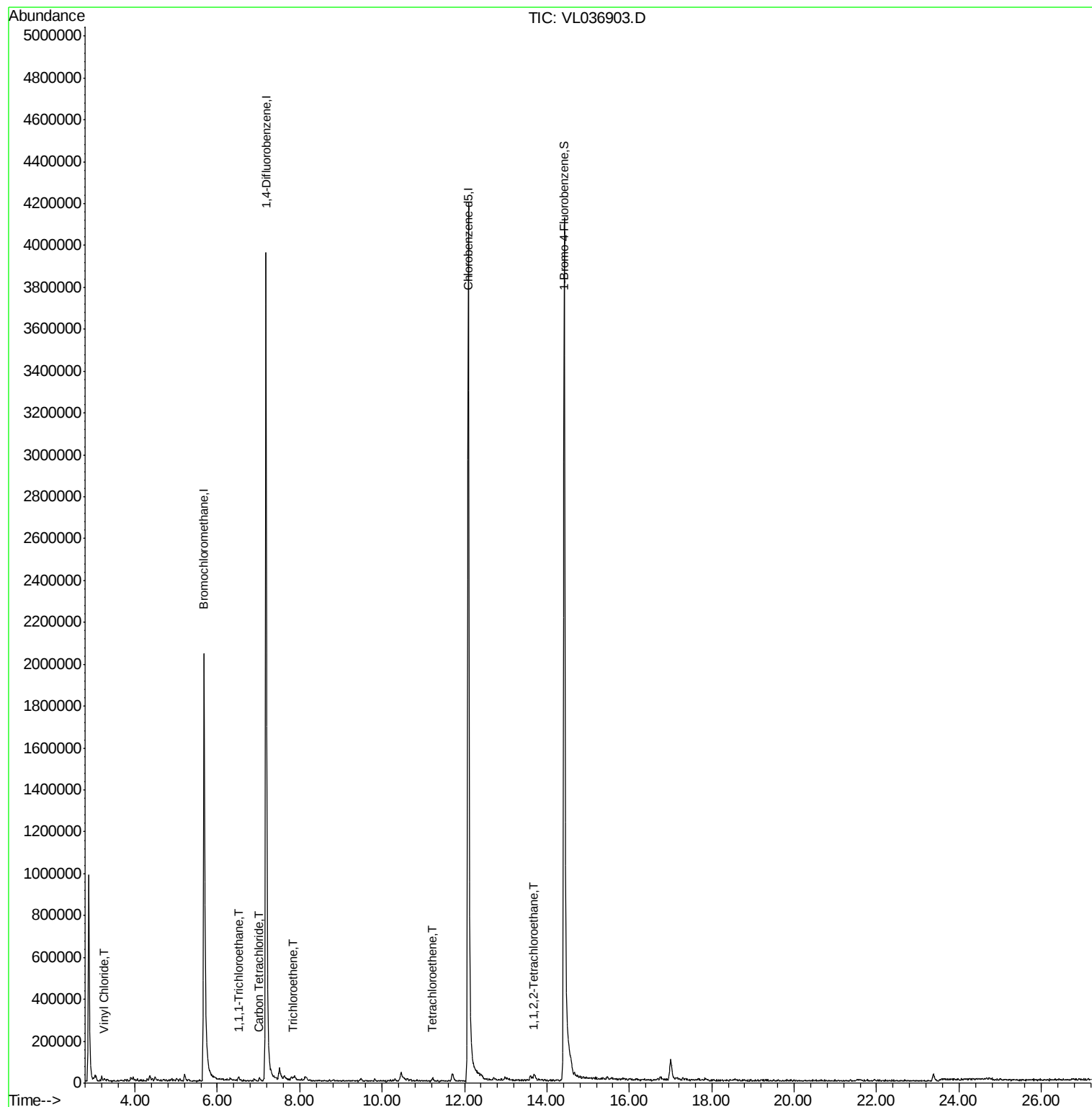
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050621\
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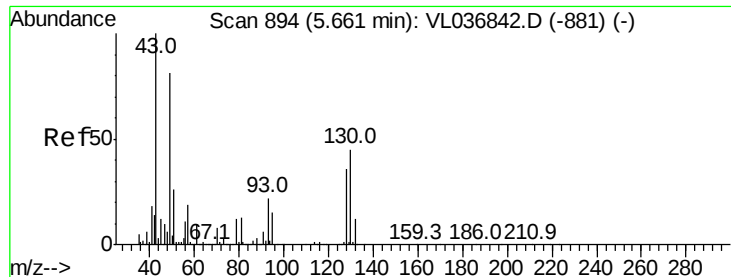
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Quant Time: May 07 09:18:44 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 May 2021 14:50

Tot Ion:

Ion Ratio

49 100

128 45.

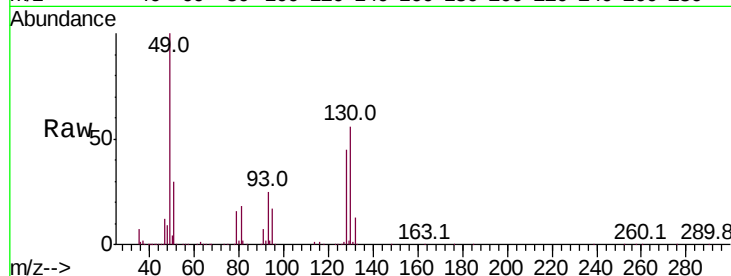
130 59.

Manual Integrations

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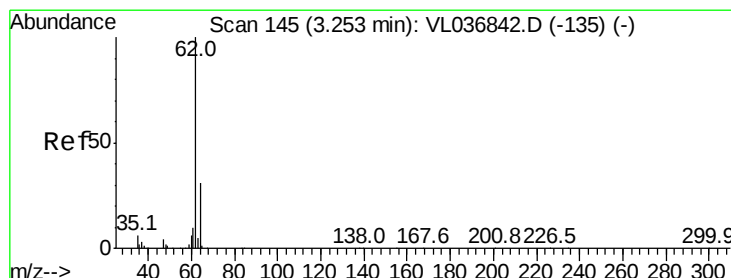
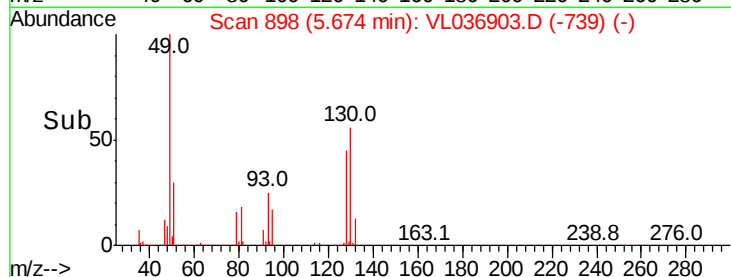
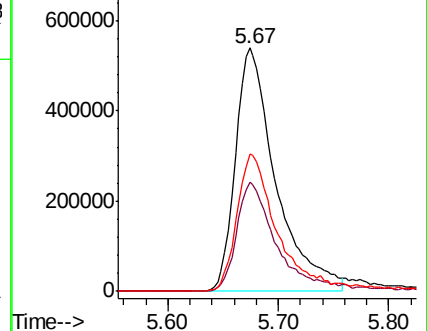
Supervised By :Mahesh Dadoda 05/10/2021



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#5

Vinyl Chloride

Concen: 0.038 ppbv m

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL036903.D

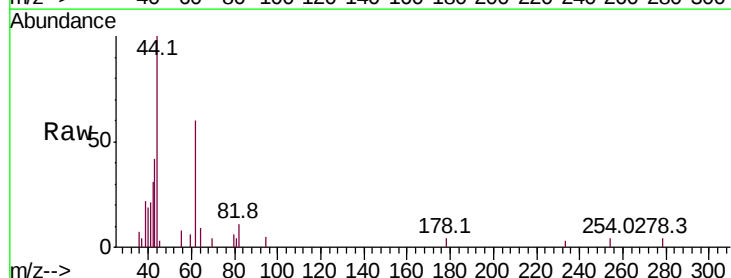
Acq: 6 May 2021 14:50

Tgt Ion: 62 Resp: 3154

Ion Ratio Lower Upper

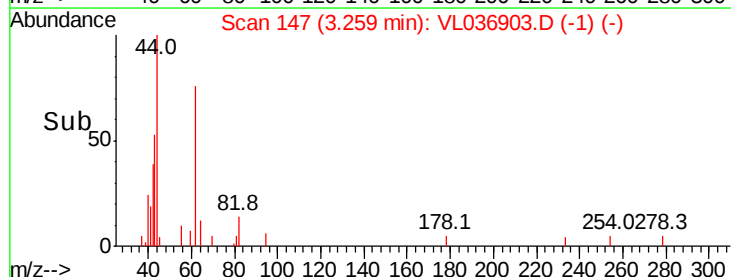
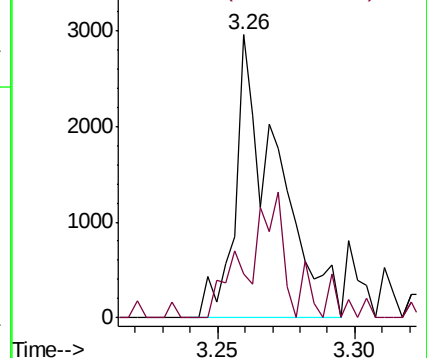
62 100

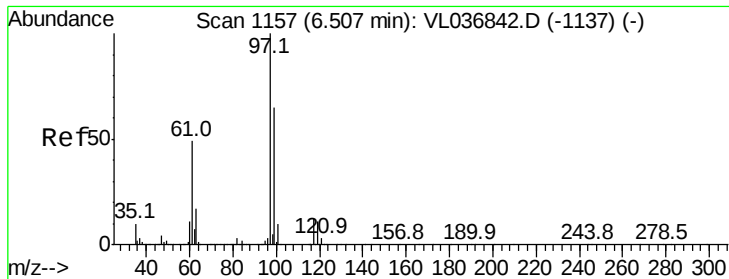
64 15.5 25.0 37.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#32

1,1,1-Trichloroethane

Concen: 0.044 ppbv m

RT: 6.51 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 6 May 2021 14:50 LOD-MDL-AIR-01-QT2-2021

Tot Ion:

Ion Ratio

97 100

99 0.

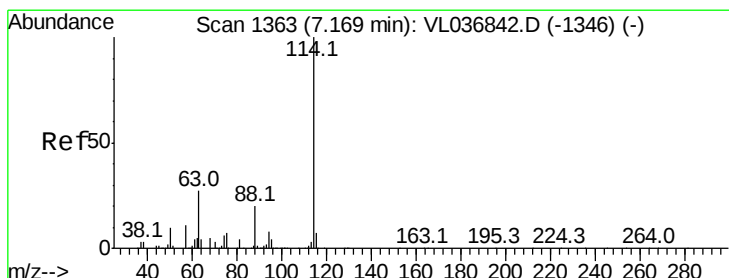
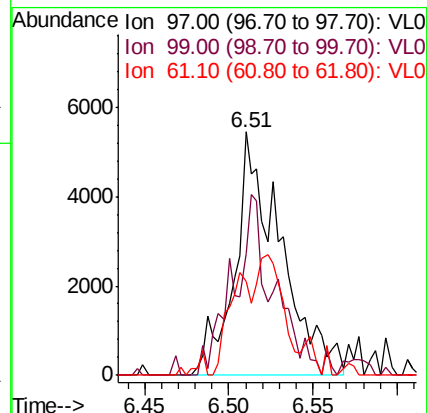
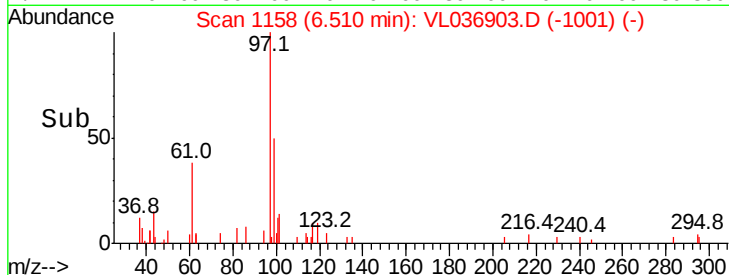
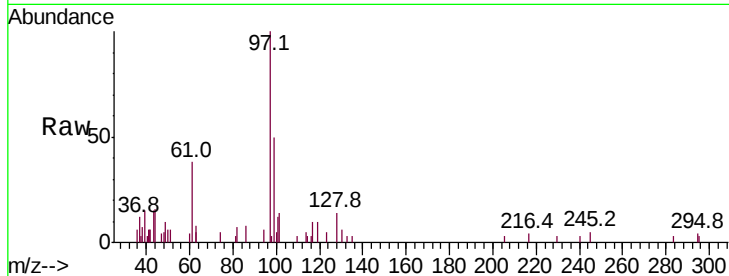
61 57.

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL036903.D

Acq: 6 May 2021 14:50

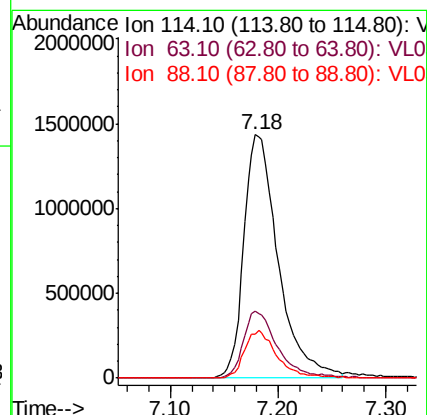
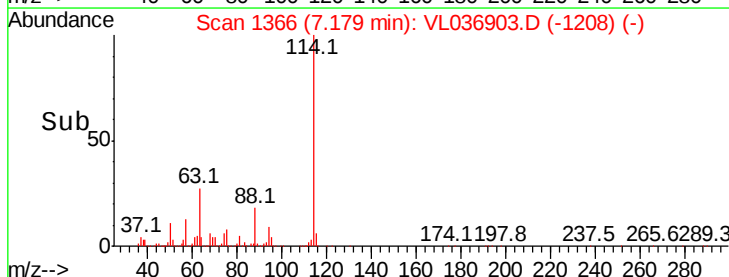
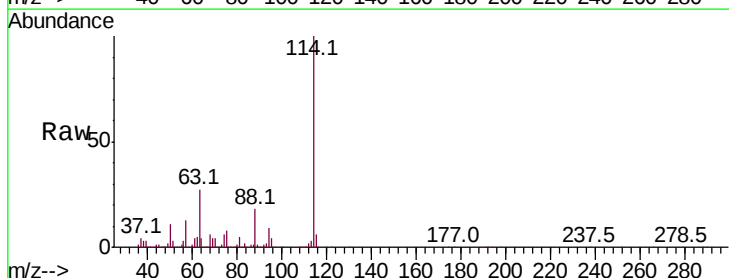
Tgt Ion:114 Resp: 3191253

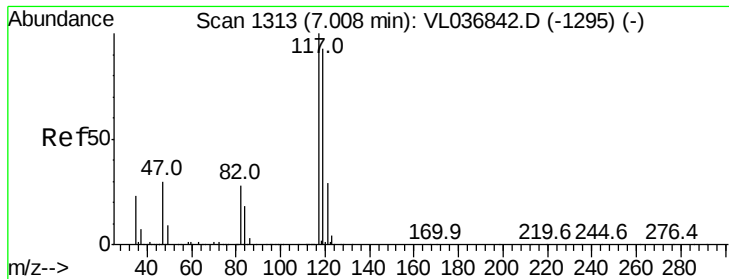
Ion Ratio Lower Upper

114 100

63 27.7 21.9 32.9

88 19.0 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.048 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

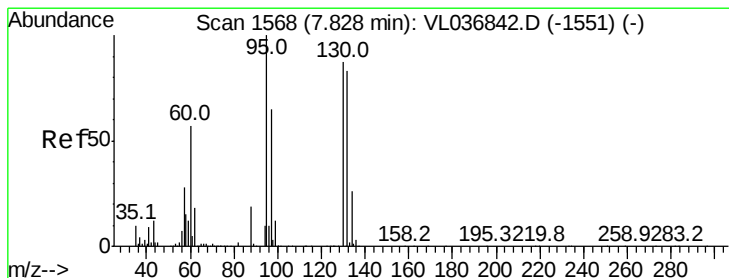
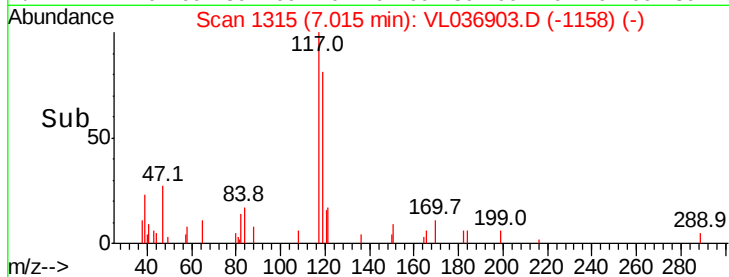
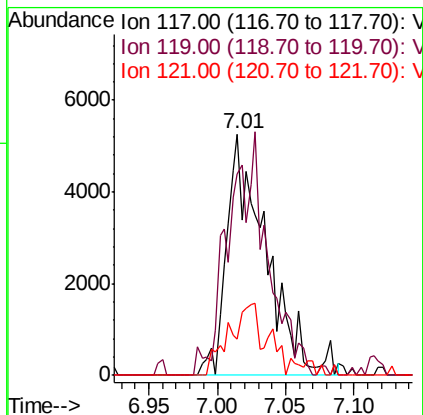
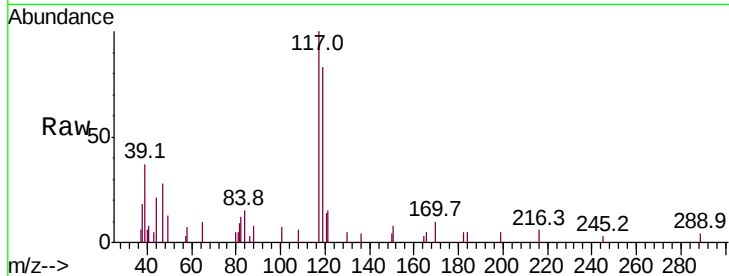
Lab File: ClientSampled:

Acq: 6 May 2021 14:50 LOD-MDL-AIR-01-QT2-2021

Tot Ion:1
Ion Rati
117 100
119 83.
121 15.

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#38

Trichloroethene

Concen: 0.038 ppbv m

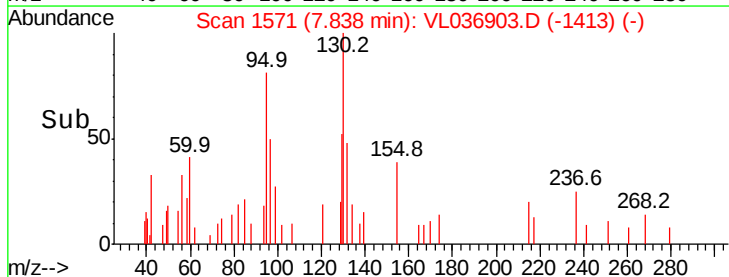
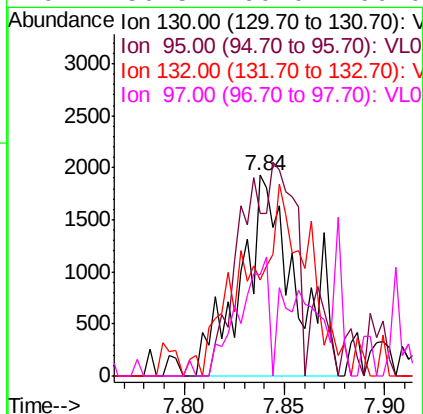
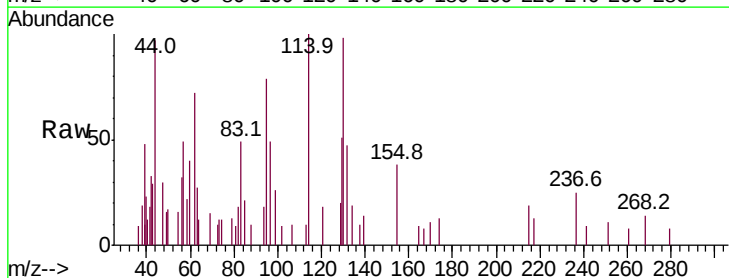
RT: 7.84 min Scan# 1571

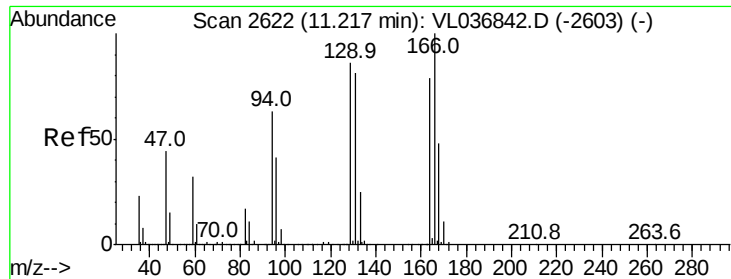
Delta R.T. 0.01 min

Lab File: VL036903.D

Acq: 6 May 2021 14:50

Tgt Ion:130 Resp: 3660
Ion Ratio Lower Upper
130 100
95 81.0 92.3 138.5#
132 48.1 76.8 115.2#
97 50.5 60.0 90.0#





#52

Tetrachloroethene

Concen: 0.041 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 May 2021 14:50 LOD-MDL-AIR-01-QT2-2021

Tot Ion:1

Ion Ratio

164 100

166 52.

129 61.

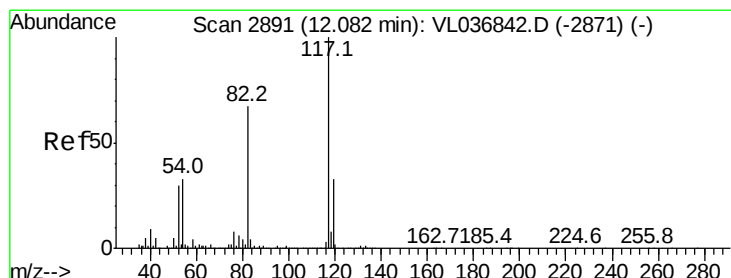
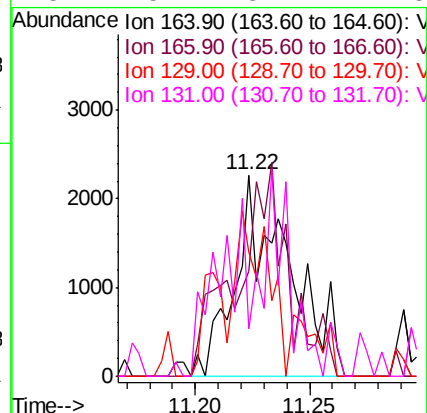
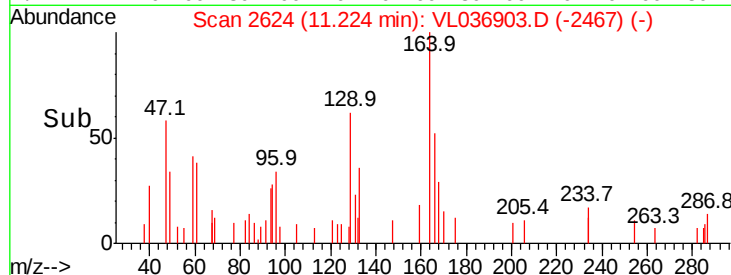
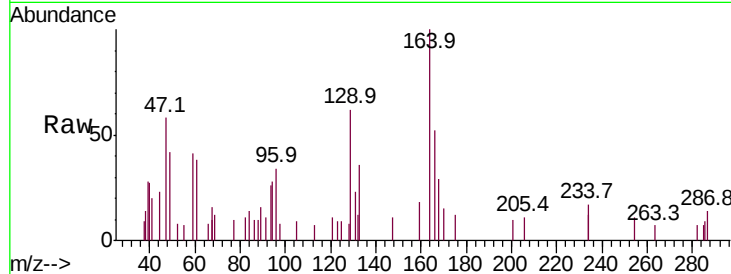
131 23.4 81.7 122.5#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL036903.D

Acq: 6 May 2021 14:50

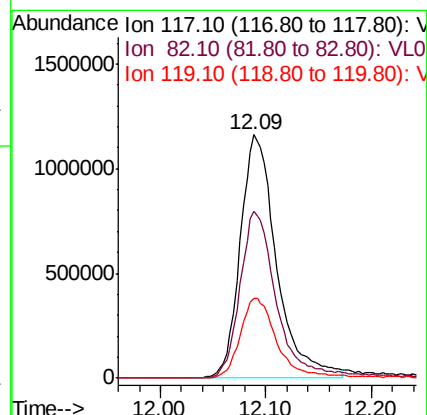
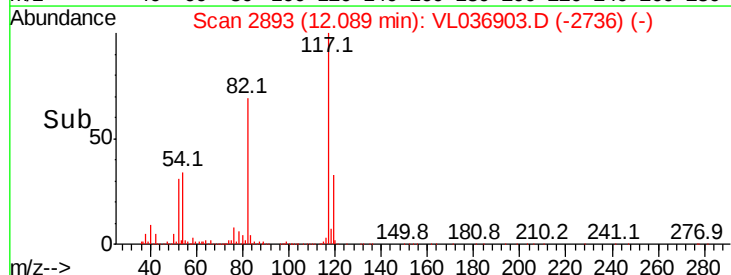
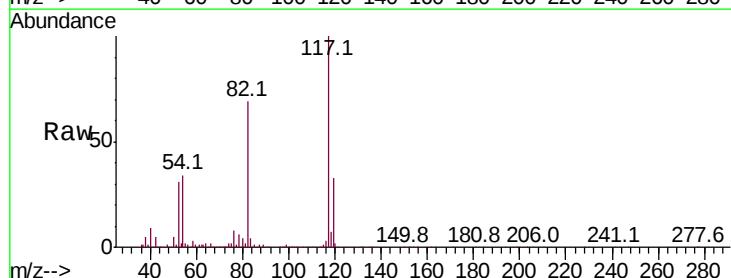
Tgt Ion:117 Resp: 2778720

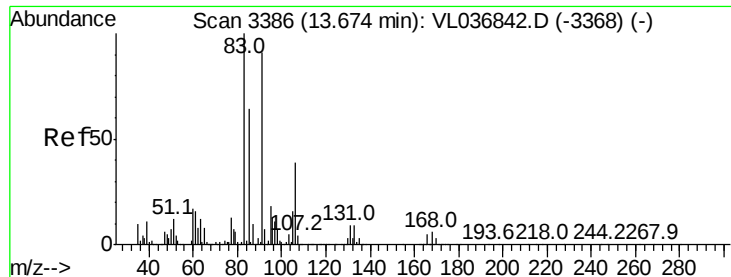
Ion Ratio Lower Upper

117 100

82 71.2 53.5 80.3

119 33.7 25.6 38.4



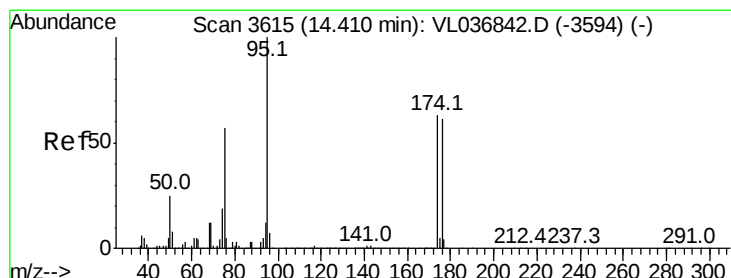
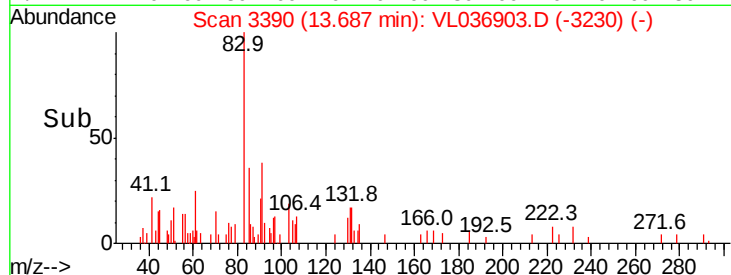
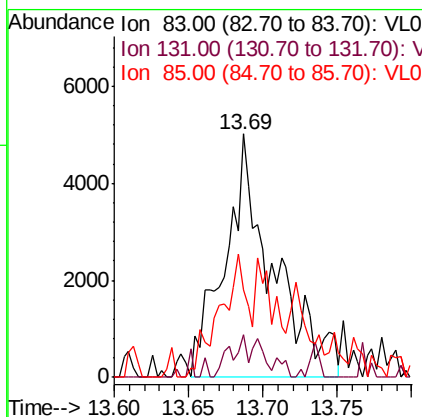
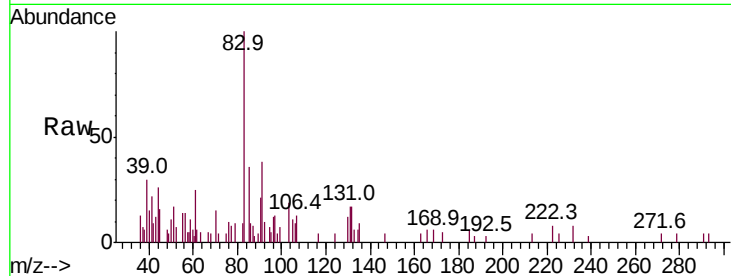


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.046 ppbv m
 RT: 13.69
 Instrument : MSVOA_1
 Delta R.T.
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021
 Acq: 6 May 2021 14:50

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

Manual Integrations
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 Supervised By :Mahesh Dadoda 05/10/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.001 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.01 min
 Lab File: VL036903.D
 Acq: 6 May 2021 14:50

Tgt Ion: 95 Resp: 2230838
 Ion Ratio Lower Upper
 95 100
 174 63.5 52.2 78.2
 175 4.9 4.0 6.0

