

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039224.D
 Acq On : 8 Jun 2022 00:54
 Operator : SY/AP
 Sample : N3214-13 0.03 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 07:19:45 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	574770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1395028	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1126826	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1029193	11.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	1180	0.034	ppbv	# 73
32) 1,1,1-Trichloroethane	6.51	97	4577m	0.047	ppbv	
35) Carbon Tetrachloride	7.01	117	5553m	0.055	ppbv	
38) Trichloroethene	7.84	130	2515m	0.048	ppbv	
52) Tetrachloroethene	11.21	164	1689m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	3083m	0.043	ppbv	

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

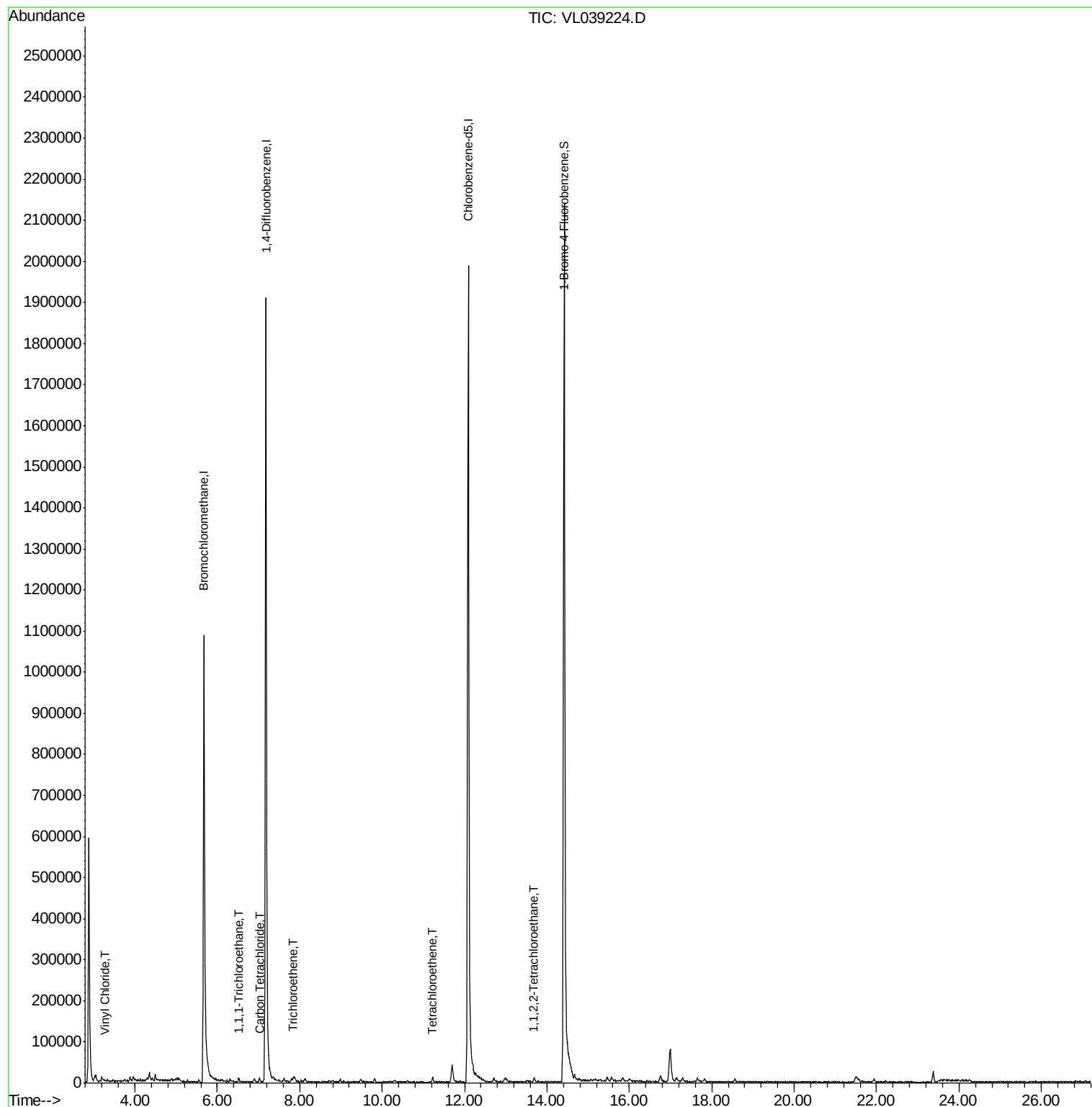
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060722\
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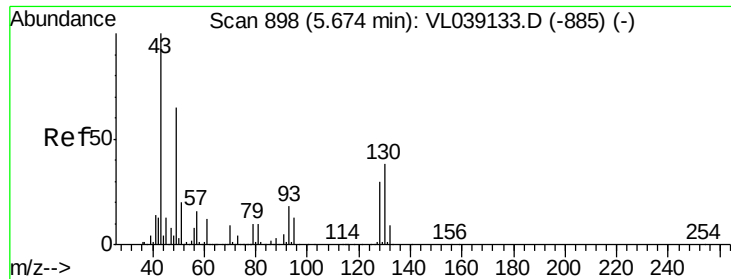
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 08 07:19:45 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 00:54 LOD-MDL-AIR-01-QT2-2022

Tot Ion:

Ion Ratio

49 100

128 49.

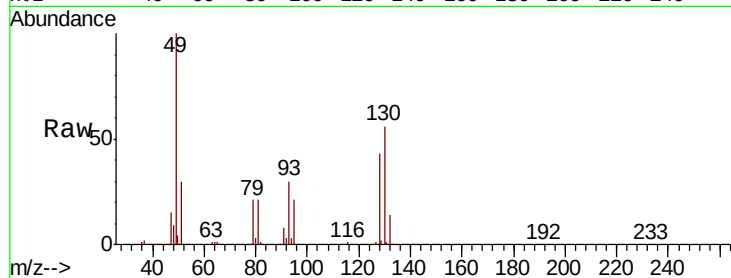
130 61.

Manual Integrations

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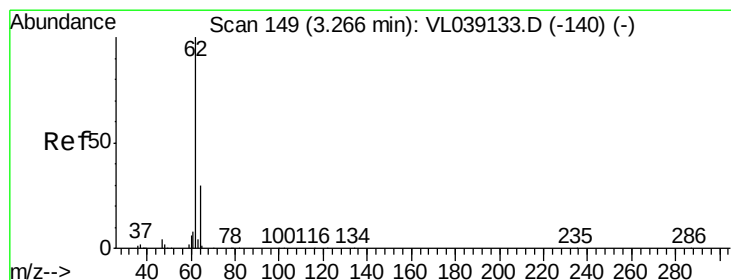
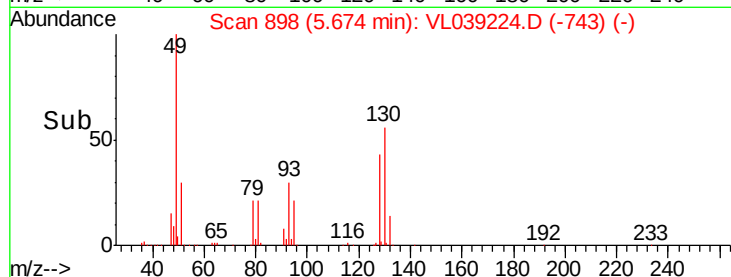
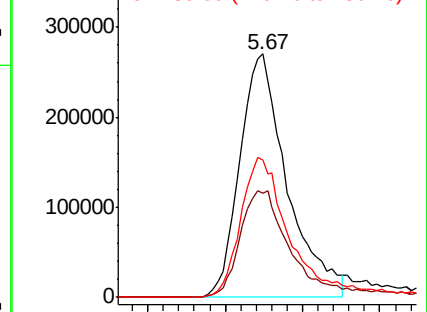
Supervised By :Mahesh Dadoda 06/10/2022



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: 0.034 ppbv

RT: 3.27 min Scan# 149

Delta R.T. -0.00 min

Lab File: VL039224.D

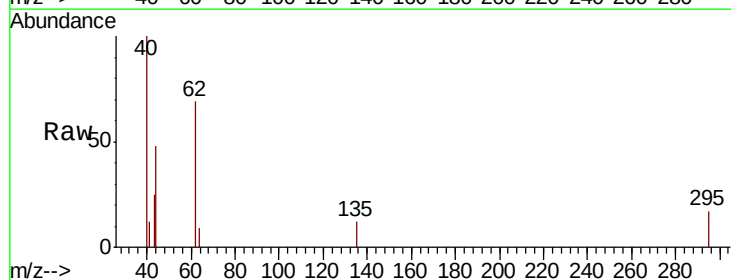
Acq: 8 Jun 2022 00:54

Tgt Ion: 62 Resp: 1180

Ion Ratio Lower Upper

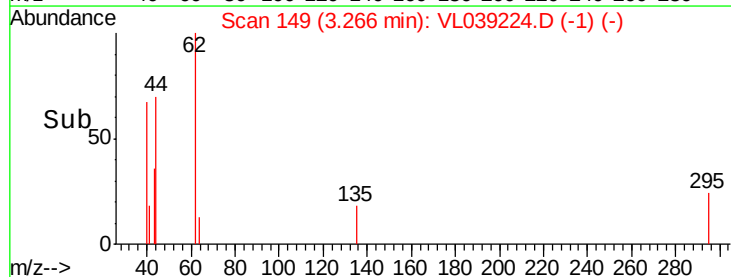
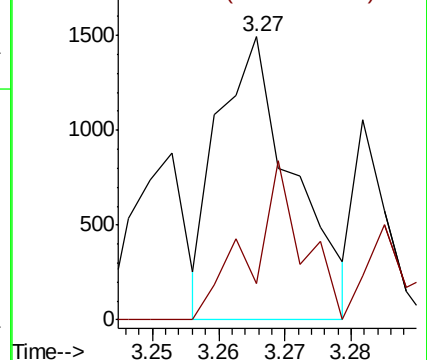
62 100

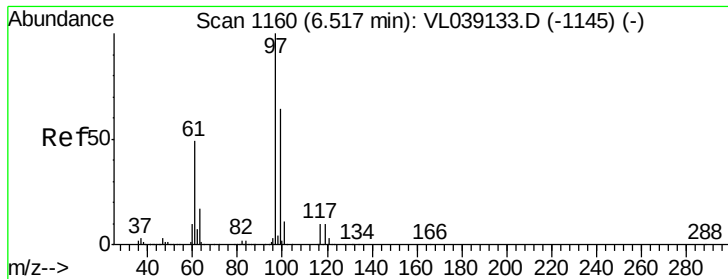
64 15.4 24.2 36.2#



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: 0.047 ppbv m

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 00:54 LOD-MDL-AIR-01-QT2-2022

Tot Ion:

Ion Ratio

97 100

99 0.

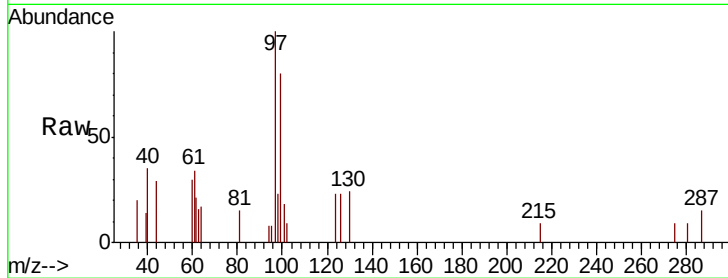
61 66.

Manual Integrations

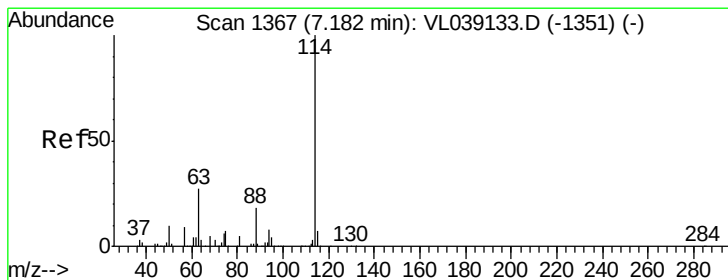
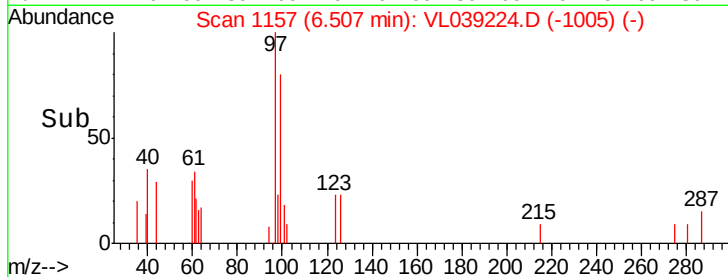
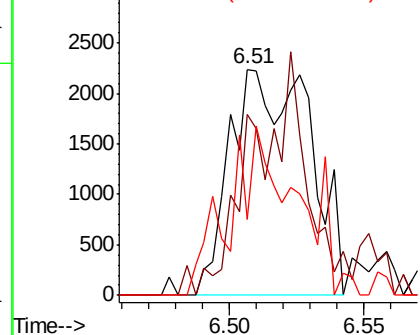
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Supervised By :Mahesh Dadoda 06/10/2022



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL039224.D

Acq: 8 Jun 2022 00:54

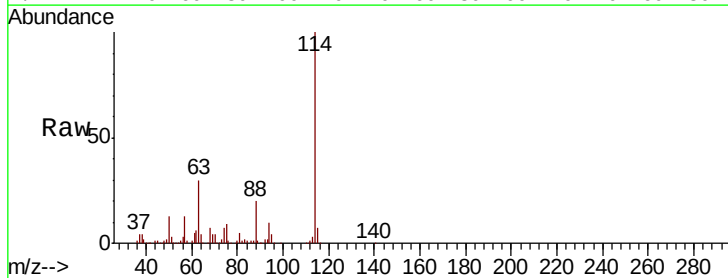
Tgt Ion:114 Resp: 1395028

Ion Ratio Lower Upper

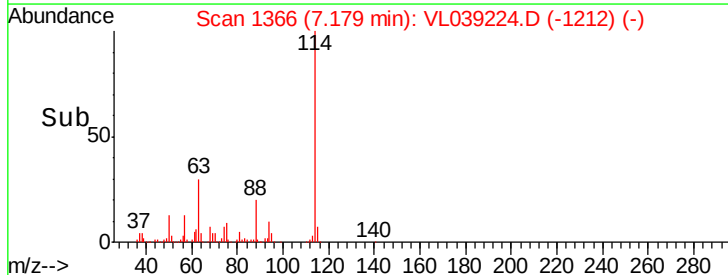
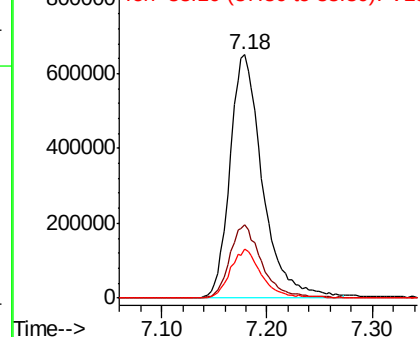
114 100

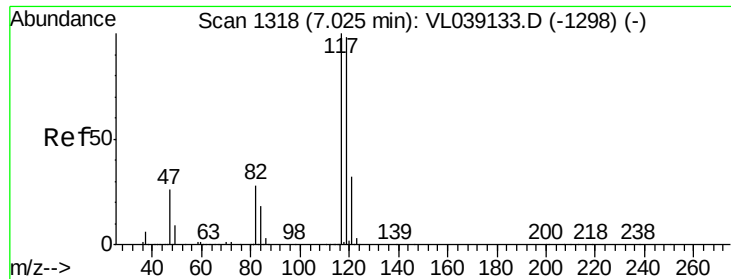
63 30.0 21.7 32.5

88 19.7 14.8 22.2



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.055 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

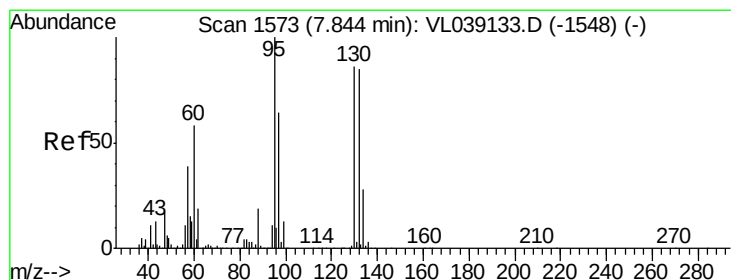
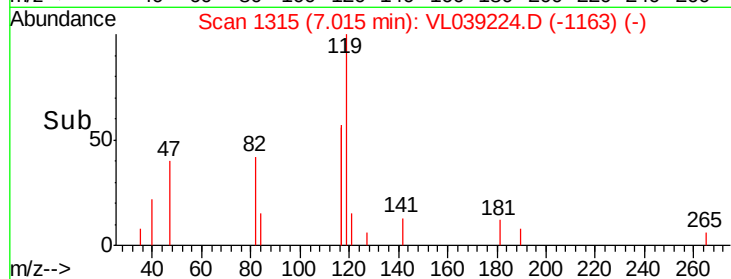
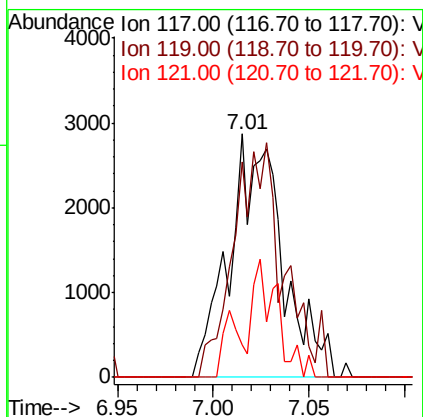
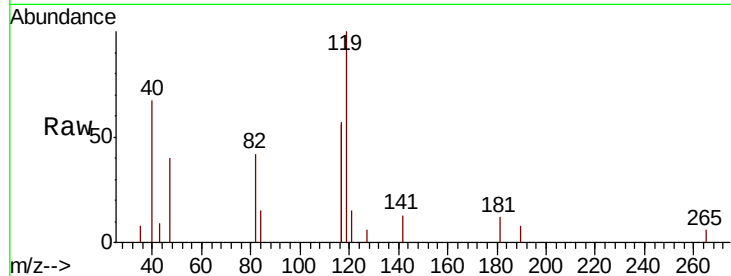
Lab File: ClientSampled:

Acq: 8 Jun 2022 00:54 LOD-MDL-AIR-01-QT2-2022

Tot Ion:1
Ion Rati
117 100
119 176.
121 26.

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Supervised By :Mahesh Dadoda 06/10/2022



#38

Trichloroethene

Concen: 0.048 ppbv m

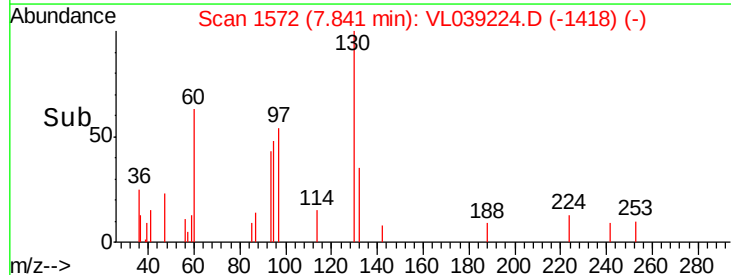
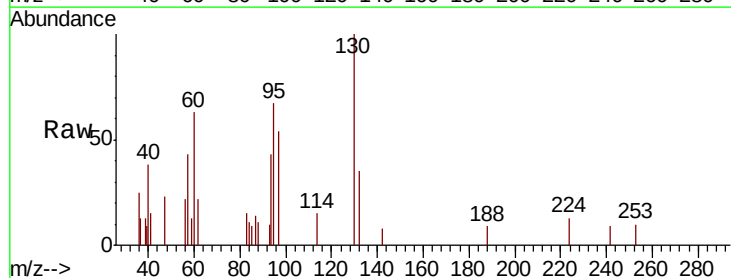
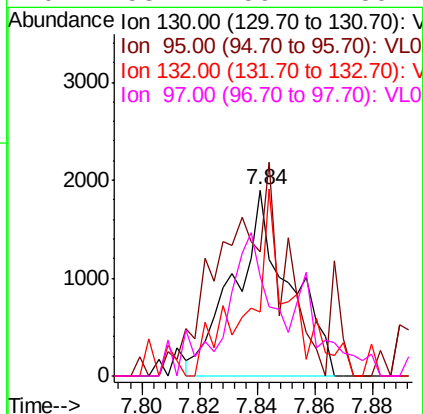
RT: 7.84 min Scan# 1572

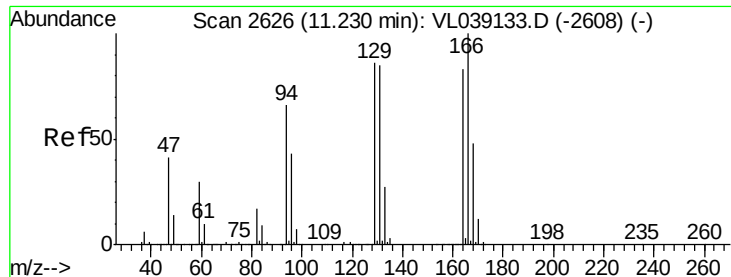
Delta R.T. -0.00 min

Lab File: VL039224.D

Acq: 8 Jun 2022 00:54

Tgt Ion:130 Resp: 2515
Ion Ratio Lower Upper
130 100
95 66.8 93.3 139.9#
132 34.6 79.0 118.4#
97 53.7 59.4 89.2#





#52

Tetrachloroethene

Concen: 0.038 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 00:54

Tot Ion:1

Ion Rati

164 100

166 85.

129 0.

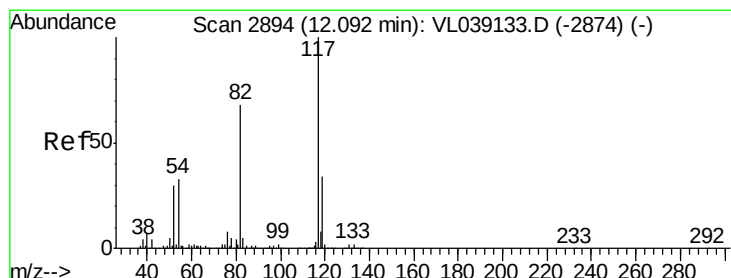
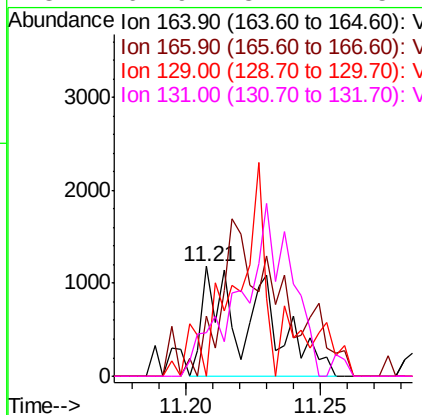
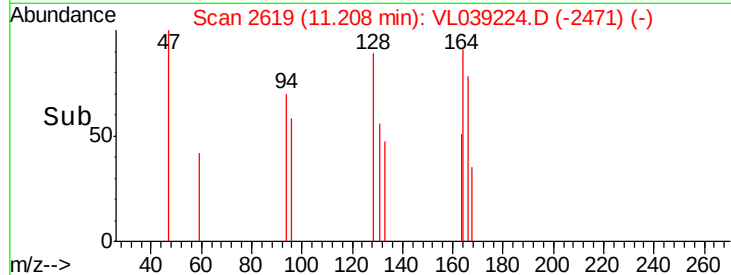
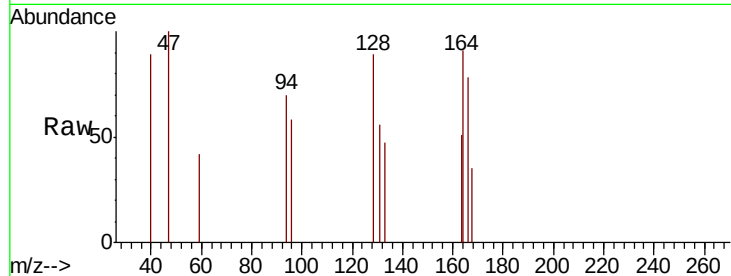
131 61.9 82.1 123.1#

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Supervised By :Mahesh Dadoda 06/10/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL039224.D

Acq: 8 Jun 2022 00:54

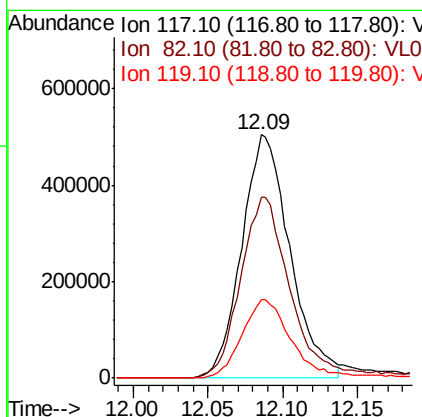
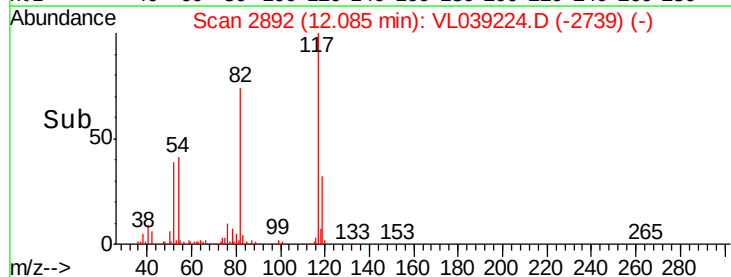
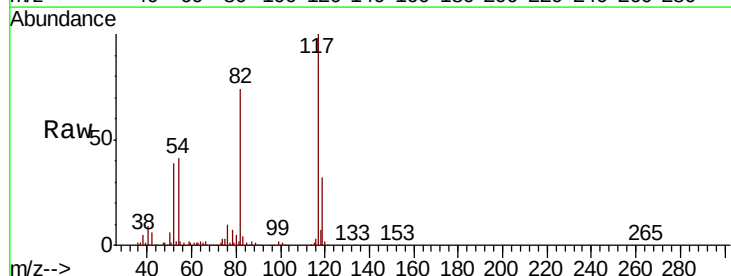
Tgt Ion:117 Resp: 1126826

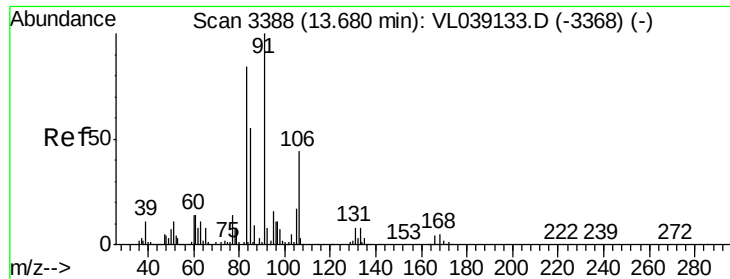
Ion Ratio Lower Upper

117 100

82 78.0 55.1 82.7

119 34.5 24.7 37.1



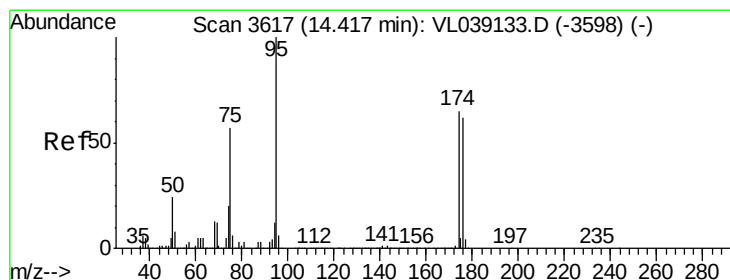
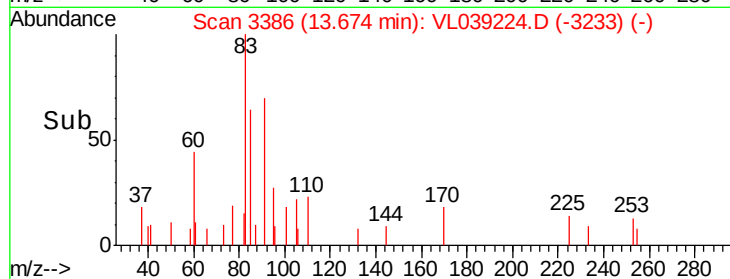
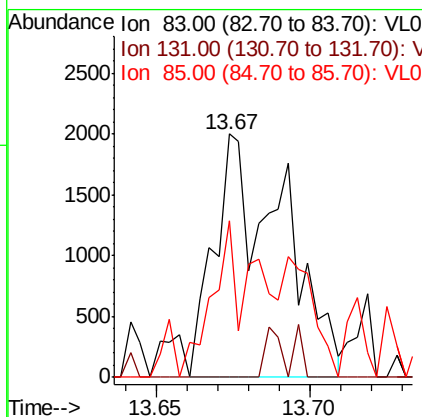
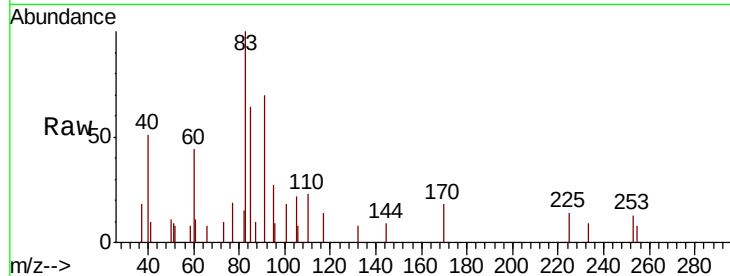


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.043 ppbv m
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: LOD-MDL-AIR-01-QT2-2022
 Acq: 8 Jun 2022 00:54

Tot Ion:
 Ion Ratio
 83 100
 131 0.
 85 81.

Manual Integrations
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 Supervised By :Mahesh Dadoda 06/10/2022



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.048 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.00 min
 Lab File: VL039224.D
 Acq: 8 Jun 2022 00:54

Tgt Ion: 95 Resp: 1029193
 Ion Ratio Lower Upper
 95 100
 174 60.0 53.8 80.8
 175 4.4 4.1 6.1

