

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039223.D
 Acq On : 8 Jun 2022 00:14
 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 07:16:18 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	598936	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1488286	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1230286	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1050913	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	1239m	0.034	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	5624m	0.055	ppbv	
35) Carbon Tetrachloride	7.03	117	5551m	0.051	ppbv	
38) Trichloroethene	7.85	130	2214m	0.040	ppbv	
52) Tetrachloroethene	11.22	164	2363m	0.050	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	3499m	0.044	ppbv	

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

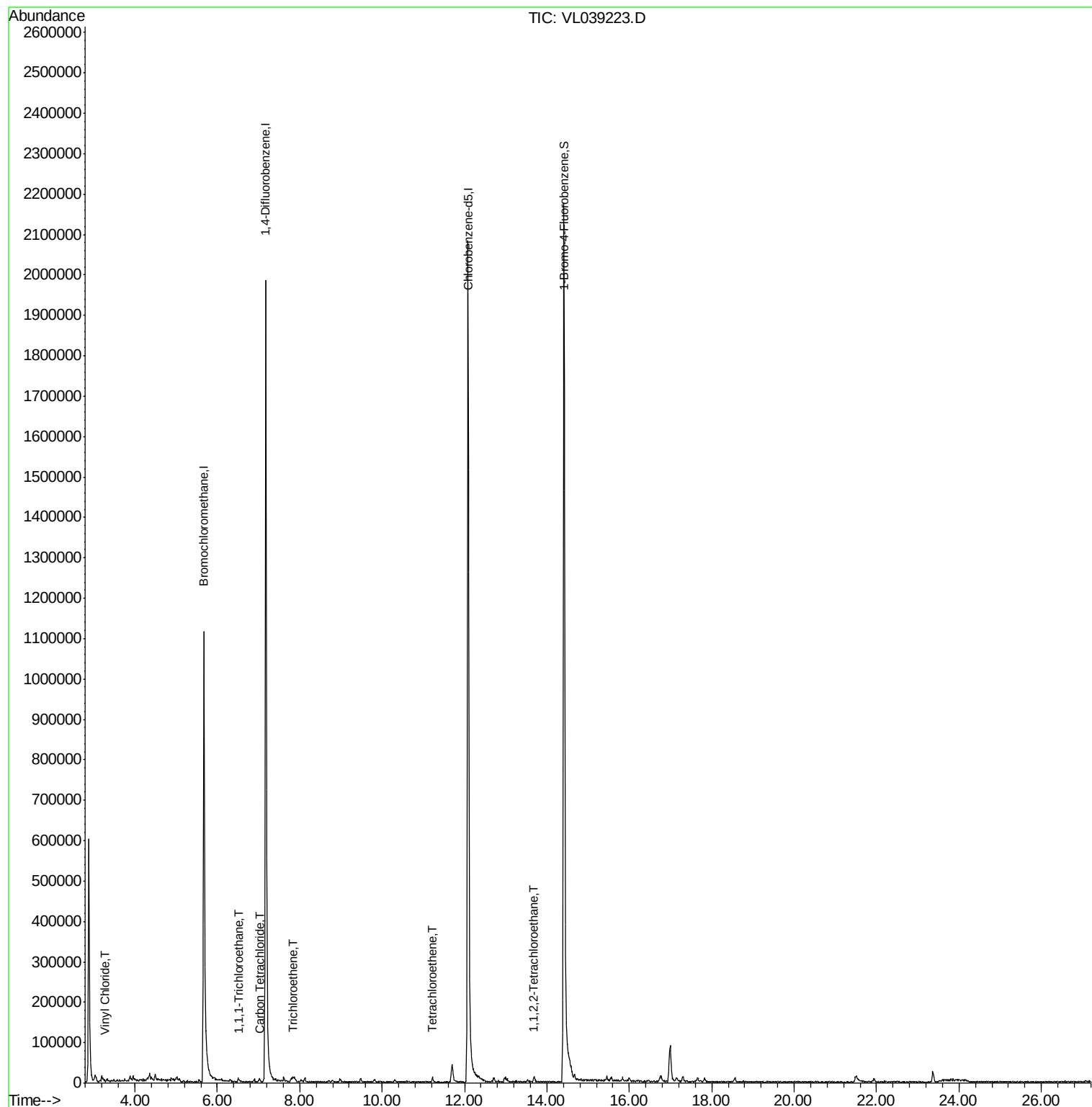
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060722\
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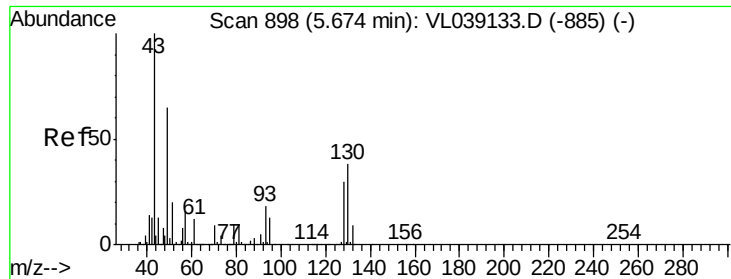
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 08 07:16:18 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

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 00:14

Tot Ion:

Ion Ratio

49 100

128 51.

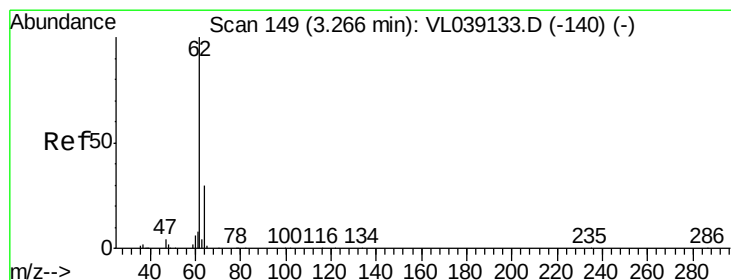
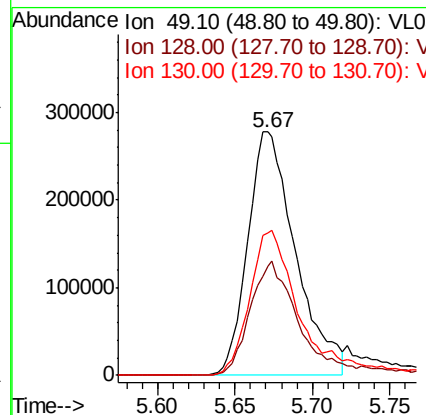
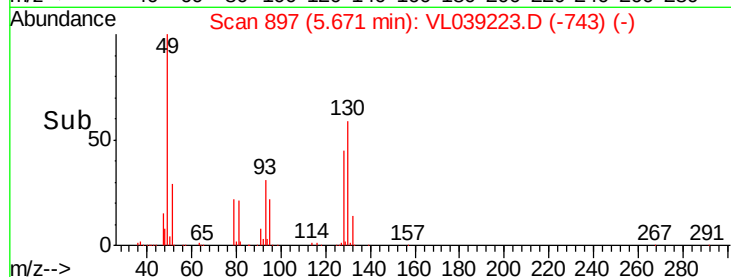
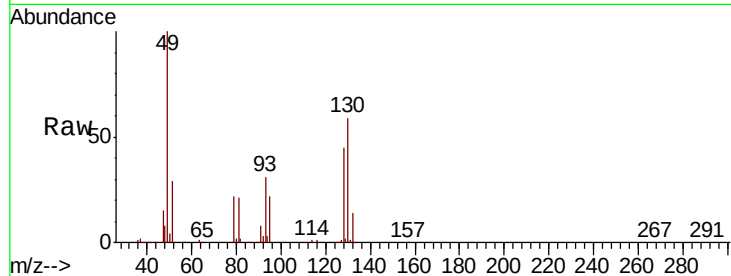
130 66.

Manual Integrations

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Supervised By :Mahesh Dadoda 06/10/2022



#5

Vinyl Chloride

Concen: 0.034 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL039223.D

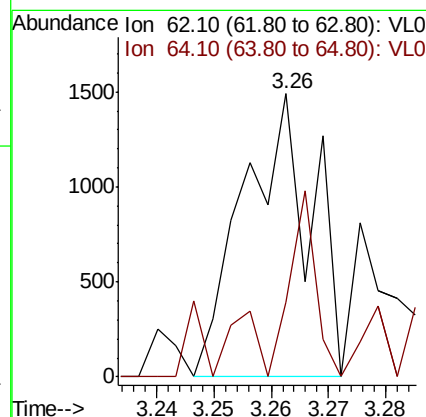
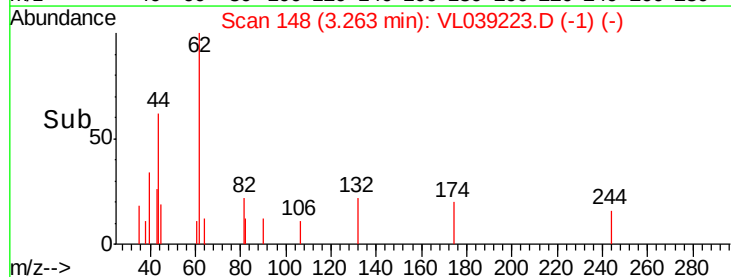
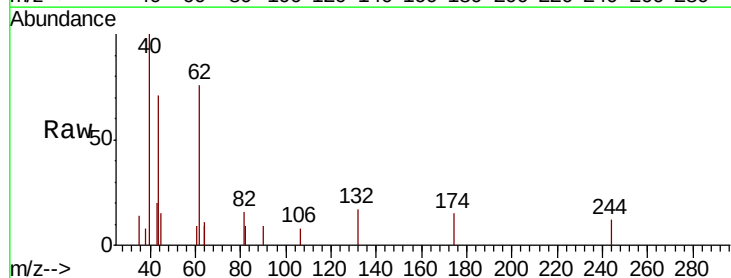
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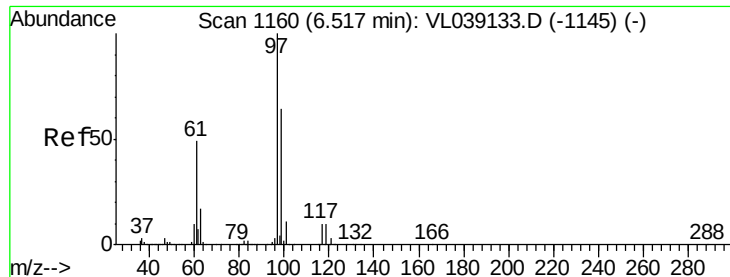
Tgt Ion: 62 Resp: 1239

Ion Ratio Lower Upper

62 100

64 14.1 24.2 36.2#





#32

1,1,1-Trichloroethane

Concen: 0.055 ppbv m

RT: 6.51 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 00:14 LOD-MDL-AIR-01-QT2-2022

Tot Ion:

Ion Ratio

97 100

99 70.

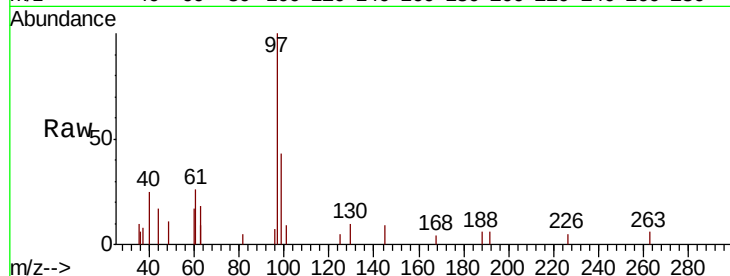
61 45.

Manual Integrations

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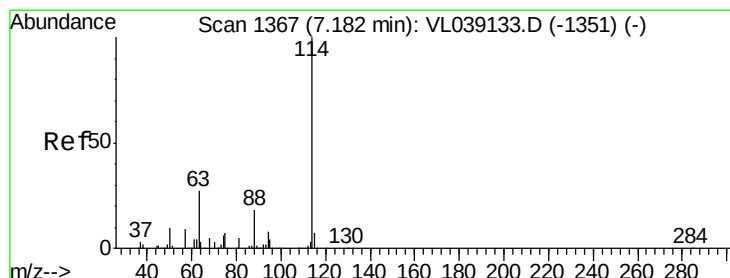
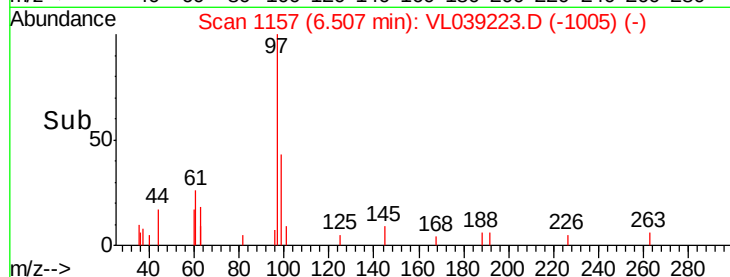
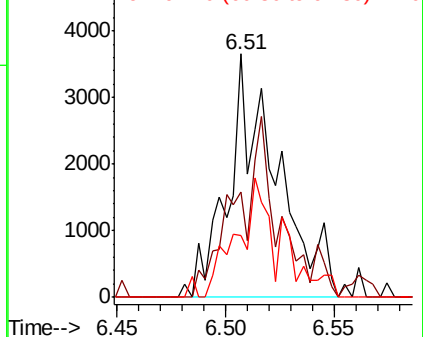
Supervised By :Mahesh Dadoda 06/10/2022



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# 1365

Delta R.T. -0.01 min

Lab File: VL039223.D

Acq: 8 Jun 2022 00:14

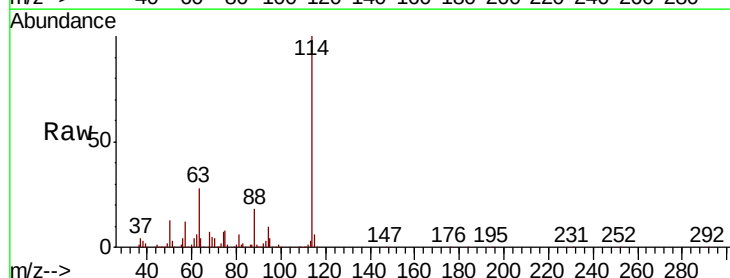
Tgt Ion:114 Resp: 1488286

Ion Ratio Lower Upper

114 100

63 28.7 21.7 32.5

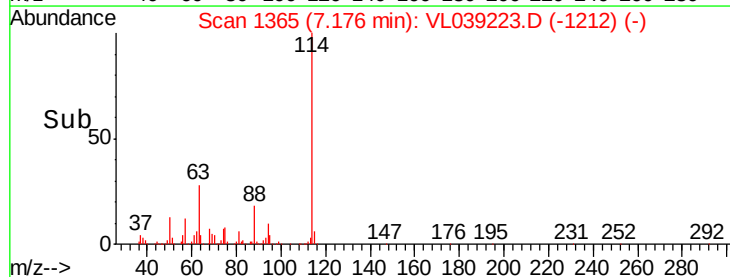
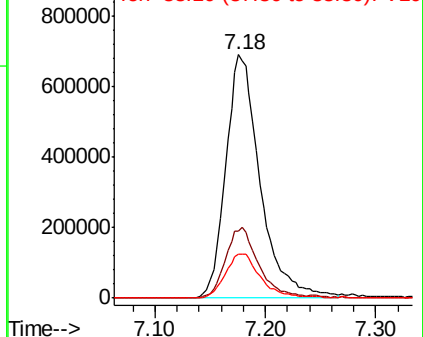
88 19.2 14.8 22.2

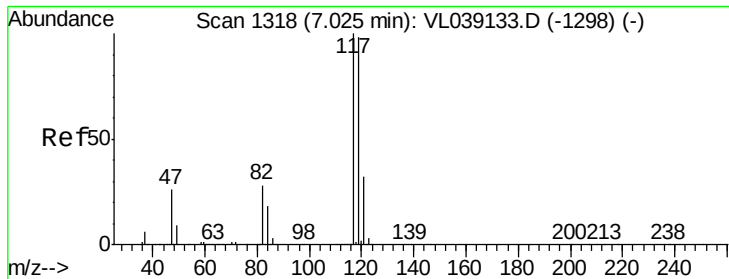


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.051 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

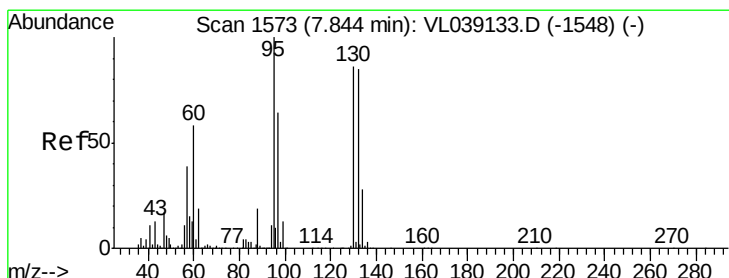
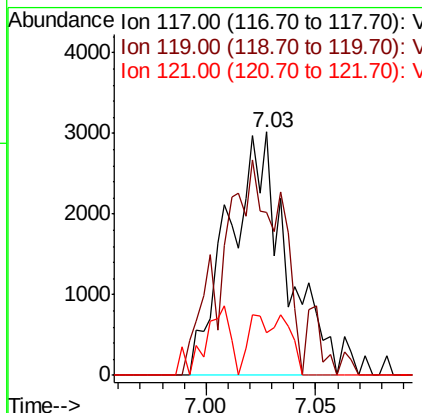
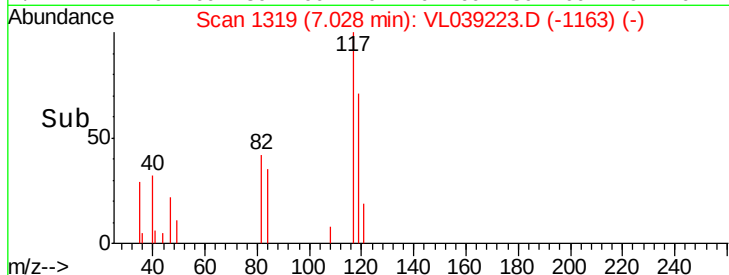
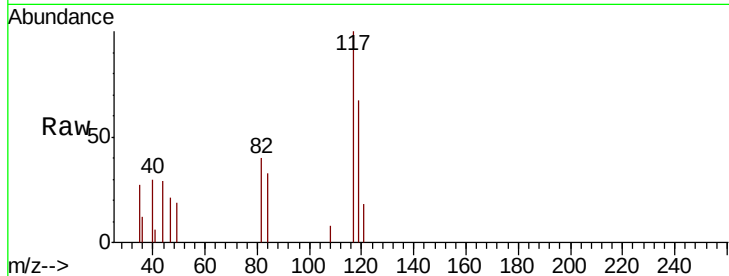
Lab File: ClientSampleId:

Acq: 8 Jun 2022 00:14 LOD-MDL-AIR-01-QT2-2022

Tot Ion:1
Ion Rati
117 100
119 67.
121 17.

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#38

Trichloroethene

Concen: 0.040 ppbv m

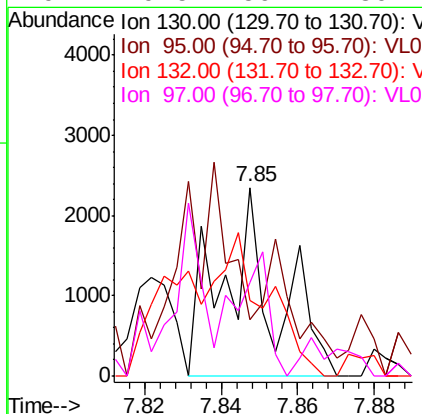
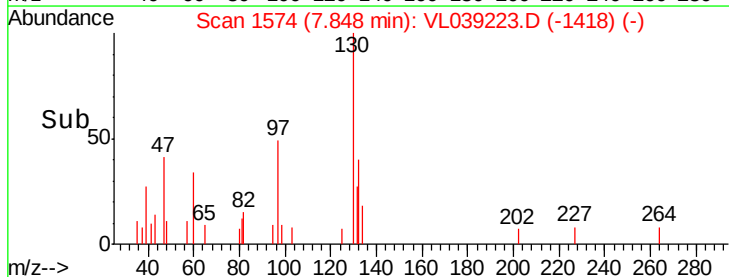
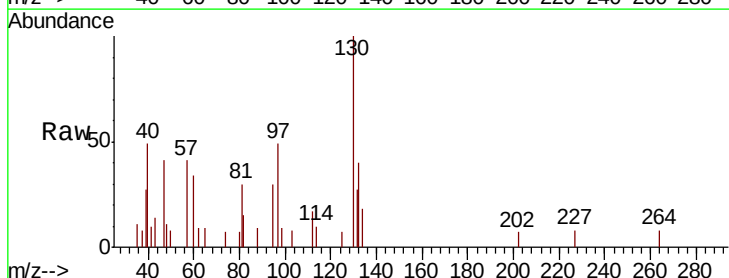
RT: 7.85 min Scan# 1574

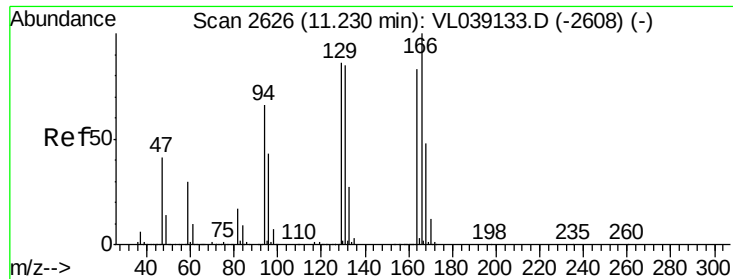
Delta R.T. 0.00 min

Lab File: VL039223.D

Acq: 8 Jun 2022 00:14

Tgt Ion:130 Resp: 2214
Ion Ratio Lower Upper
130 100
95 30.1 93.3 139.9#
132 39.8 79.0 118.4#
97 49.5 59.4 89.2#





#52

Tetrachloroethene

Concen: 0.050 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 00:14 LOD-MDL-AIR-01-QT2-2022

Tot Ion:1

Ion Ratio

164 100

166 71.

129 47.

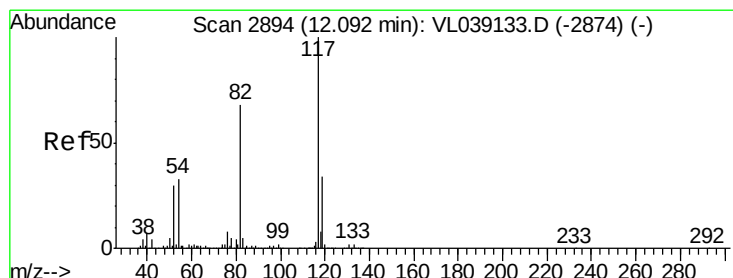
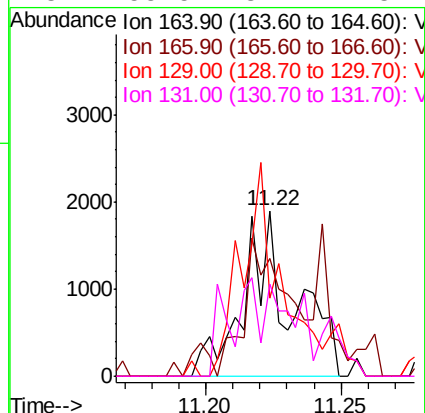
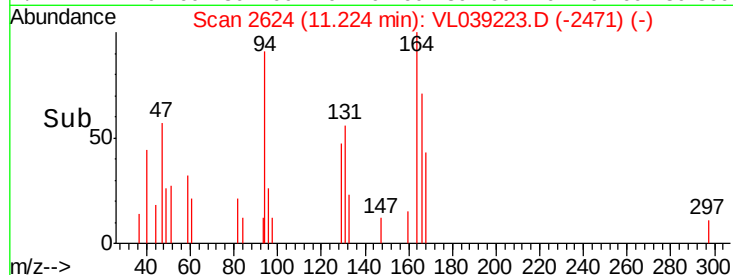
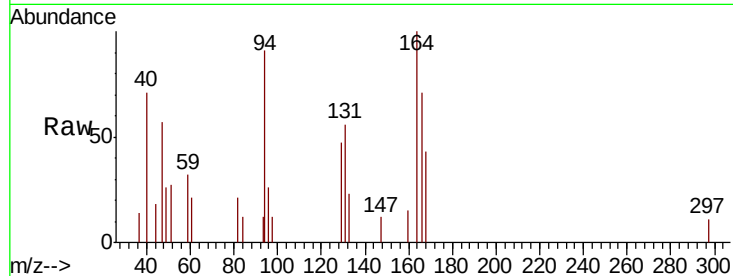
131 55.5 82.1 123.1#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL039223.D

Acq: 8 Jun 2022 00:14

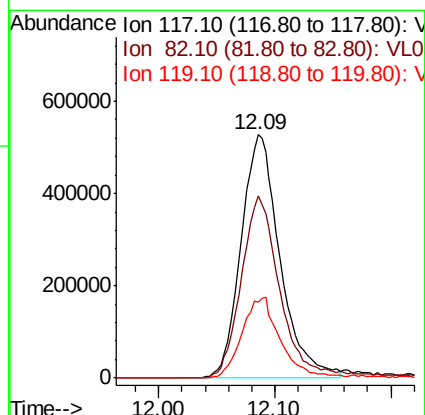
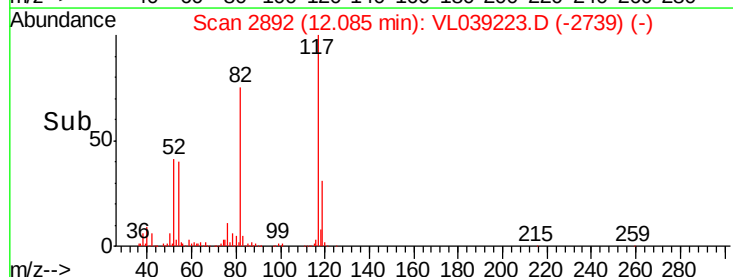
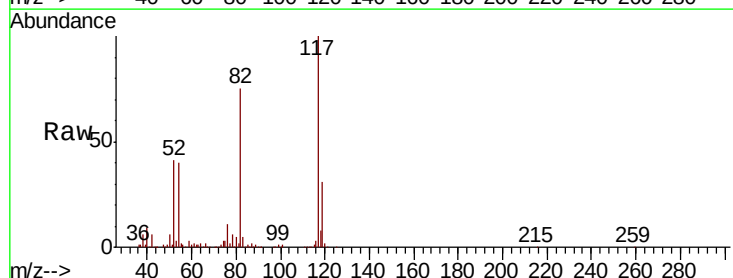
Tgt Ion:117 Resp: 1230286

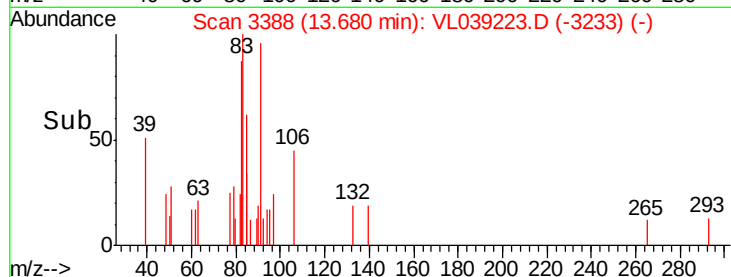
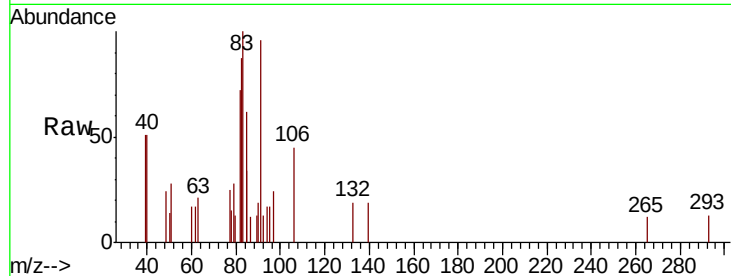
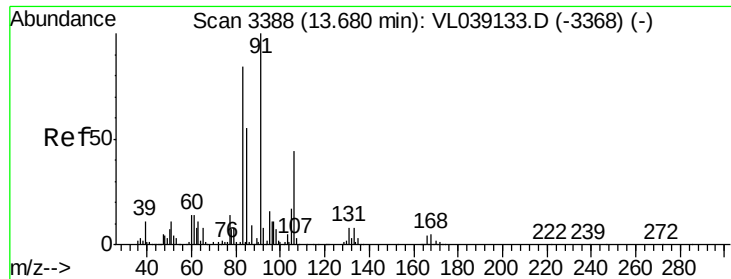
Ion Ratio Lower Upper

117 100

82 77.0 55.1 82.7

119 33.2 24.7 37.1



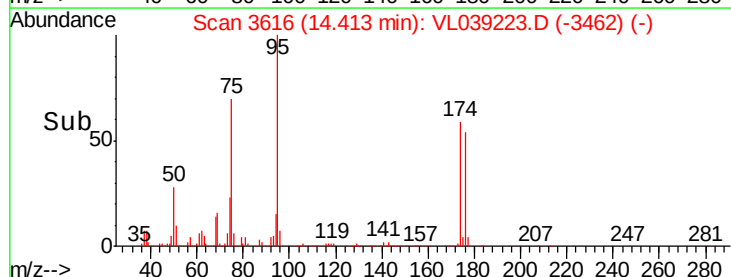
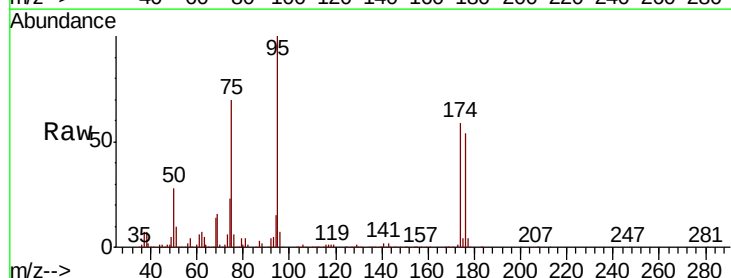
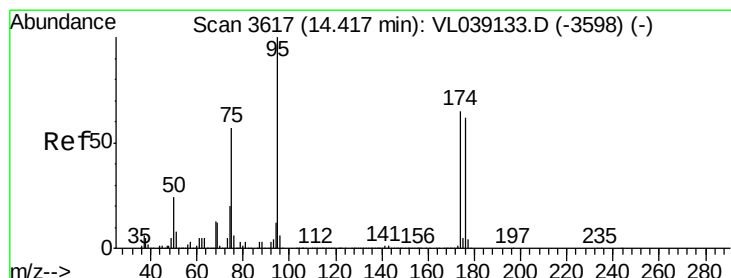
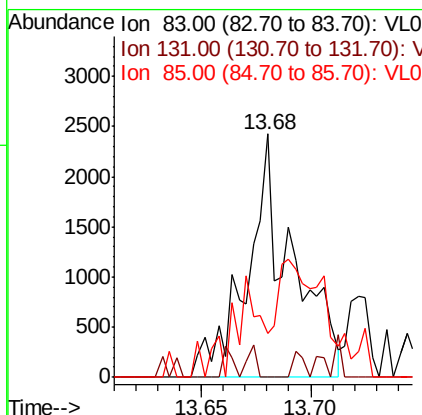


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.044 ppbv m
 RT: 13.68
 Instrument : MSVOA_L
 Delta R.T. :
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 00:14

Tot Ion:
 Ion Ratio
 83 100
 131 5.
 85 0.

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



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.332 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL039223.D
 Acq: 8 Jun 2022 00:14

Tgt Ion: 95 Resp: 1050913
 Ion Ratio Lower Upper
 95 100
 174 59.7 53.8 80.8
 175 4.3 4.1 6.1

