

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037857.D
 Acq On : 18 Oct 2021 18:10
 Operator : SY/AP
 Sample : M4068-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/27/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Quant Time: Oct 27 13:10:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1256706	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3680003	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3060182	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2192795	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	3096m	0.038	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	10147m	0.048	ppbv	
35) Carbon Tetrachloride	7.03	117	7910m	0.038	ppbv	
38) Trichloroethene	7.84	130	5310m	0.043	ppbv	
52) Tetrachloroethene	11.23	164	5027m	0.041	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	9806m	0.038	ppbv	

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

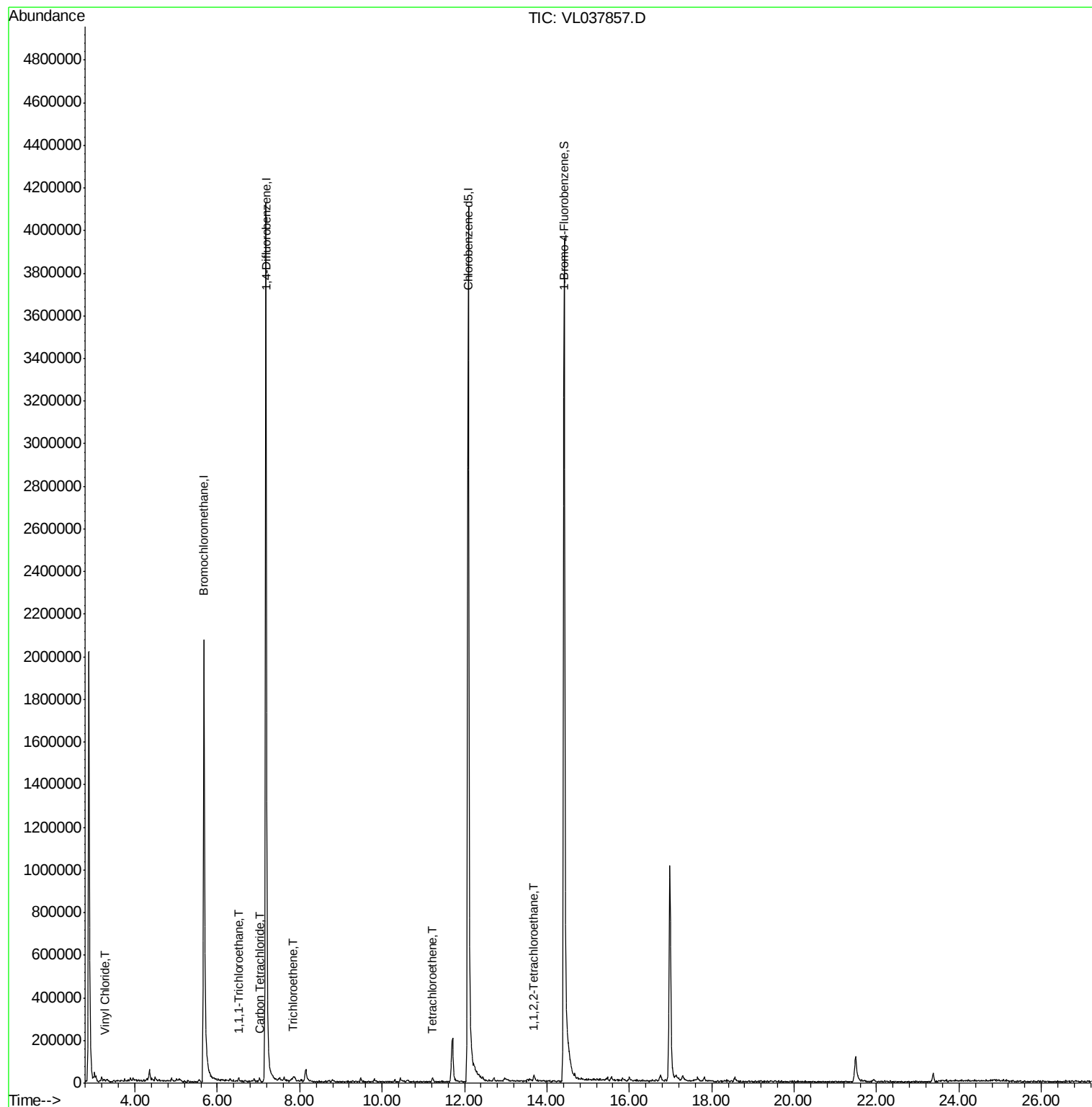
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101821\
Data File : VL037857.D
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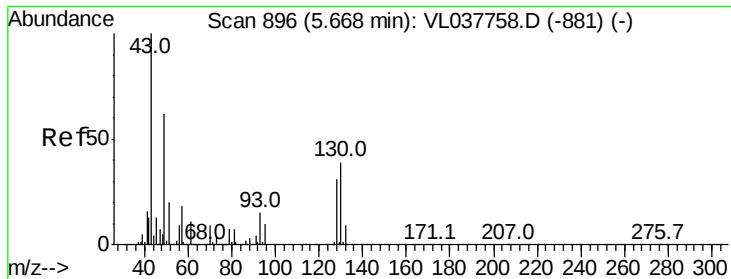
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2021

Quant Time: Oct 27 13:10:17 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL100421
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Oct 2021 18:10

Tot Ion:

Ion Ratio

49 100

128 53.

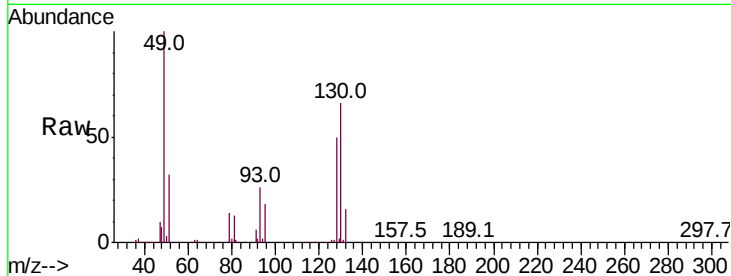
130 68.

Manual Integrations

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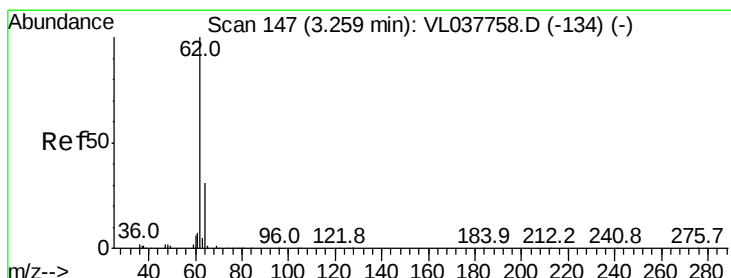
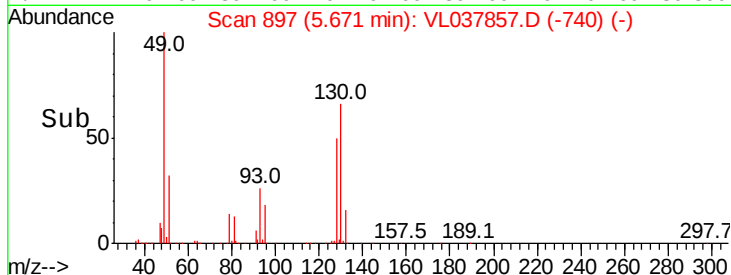
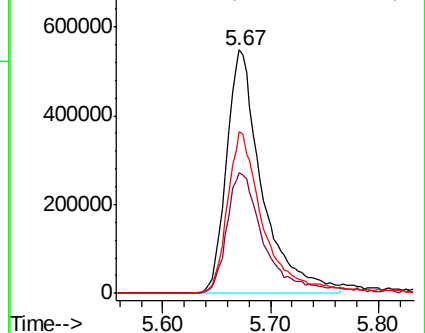
Supervised By :Mahesh Dadoda 10/27/2021



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# 148

Delta R.T. 0.00 min

Lab File: VL037857.D

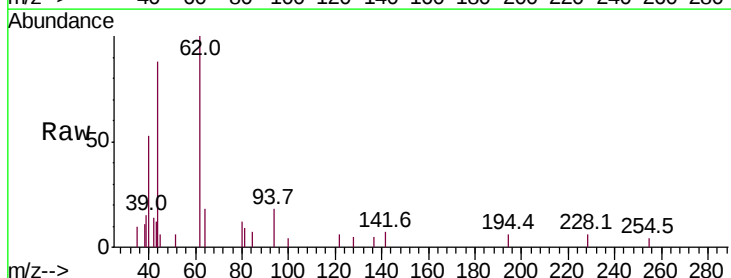
Acq: 18 Oct 2021 18:10

Tgt Ion: 62 Resp: 3096

Ion Ratio Lower Upper

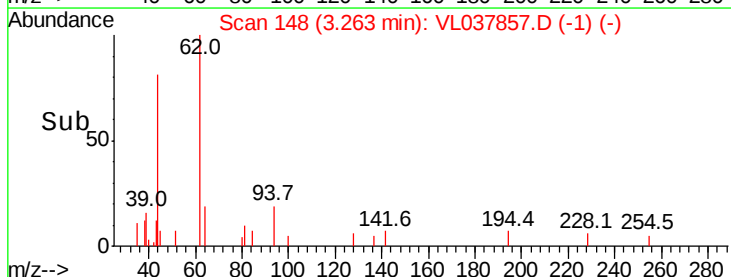
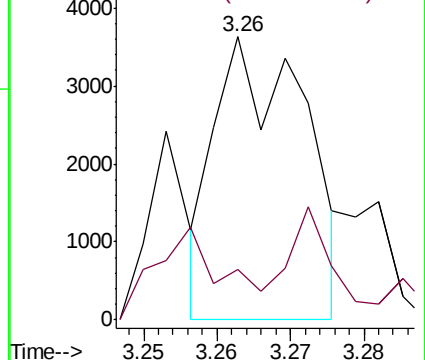
62 100

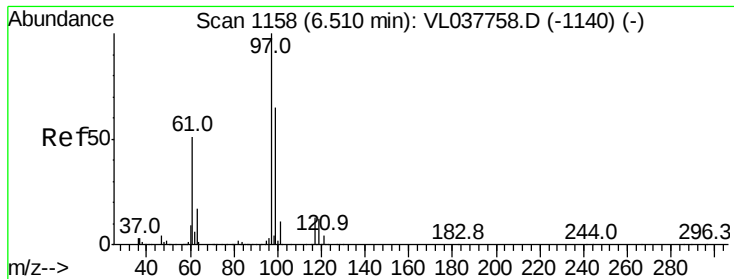
64 17.9 24.9 37.3#



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: 0.048 ppbv

RT: 6.52

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Oct 2021 18:10

Tot Ion:

Ion Ratio

97 100

99 0.

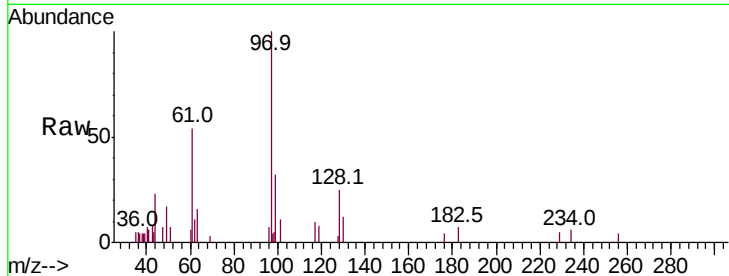
61 0.

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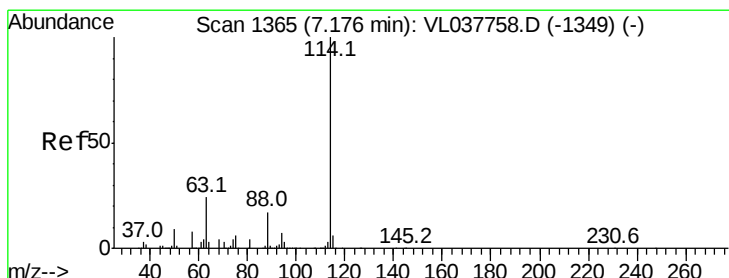
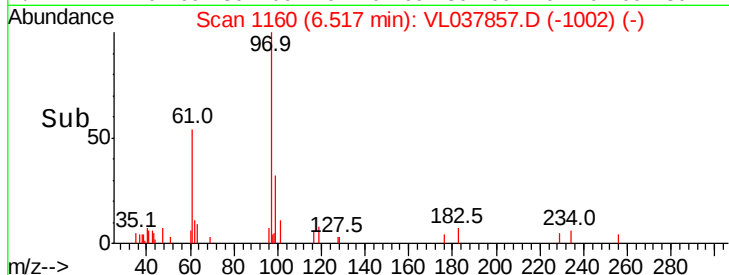
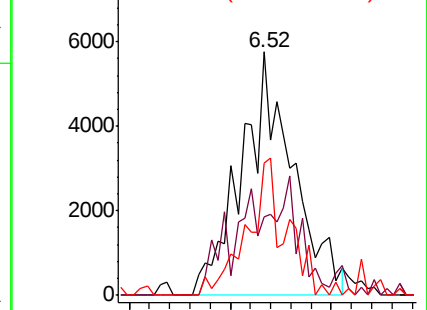
Supervised By :Mahesh Dadoda 10/27/2021



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: VL037857.D

Acq: 18 Oct 2021 18:10

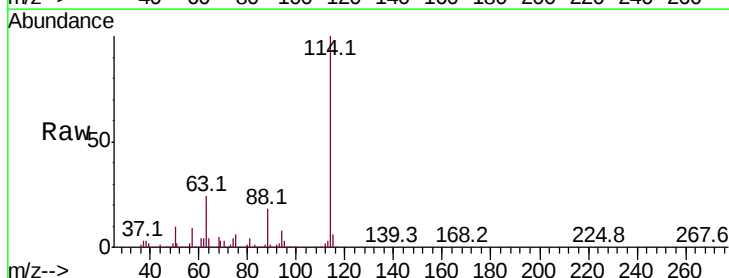
Tgt Ion:114 Resp: 3680003

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.2

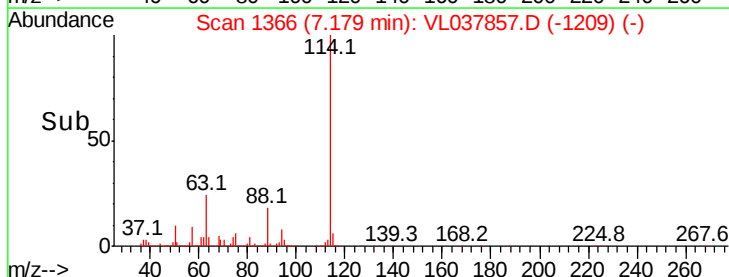
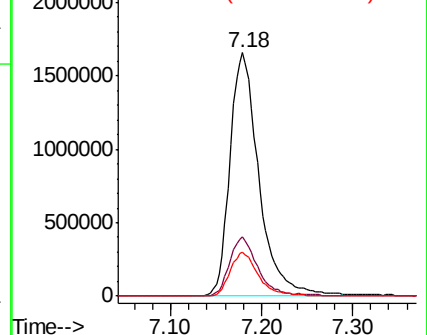
88 17.9 14.4 21.6

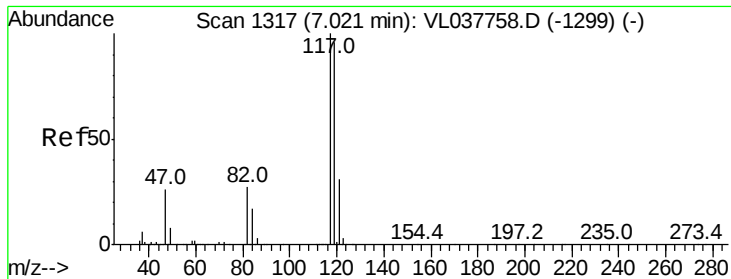


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

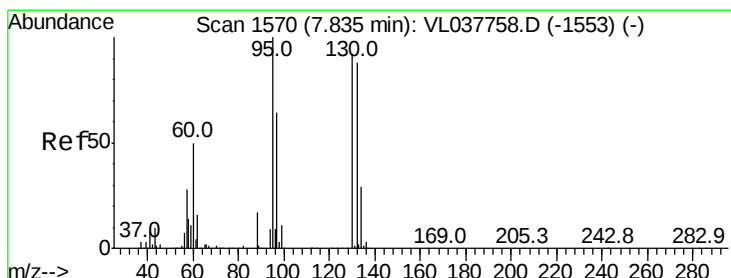
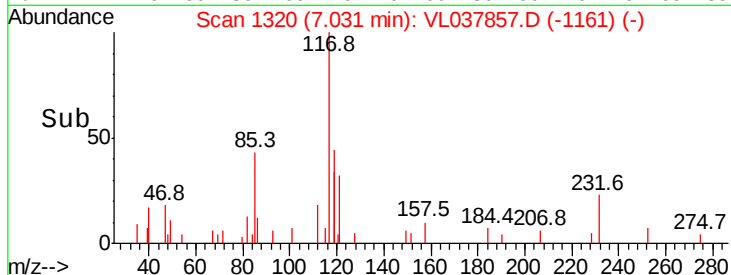
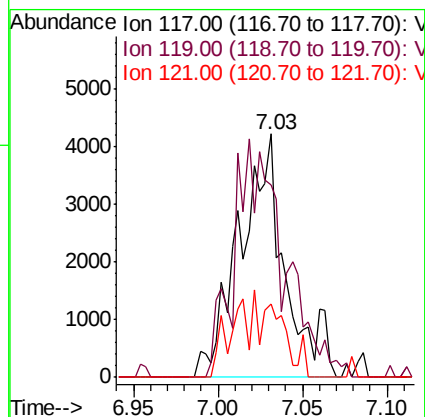
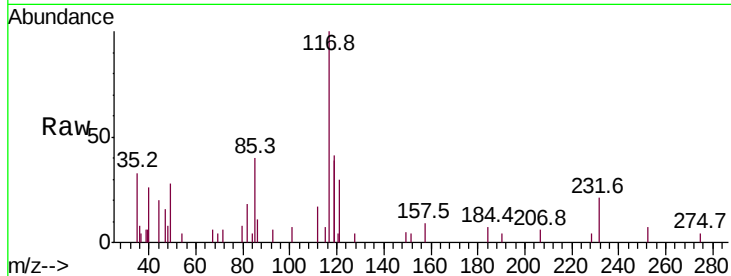
Lab File: ClientSampleId:

Acq: 18 Oct 2021 18:10

Tot Ion:1
Ion Rati
117 100
119 40.
121 30.

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Supervised By :Mahesh Dadoda 10/27/2021



#38

Trichloroethene

Concen: 0.043 ppbv m

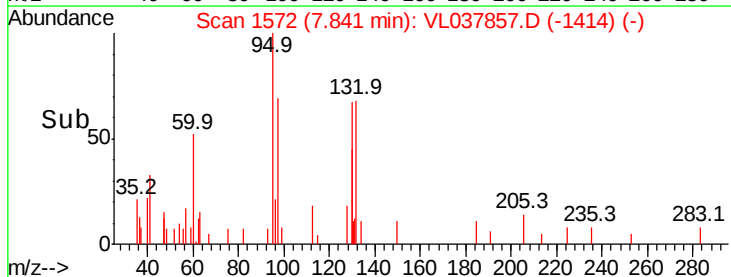
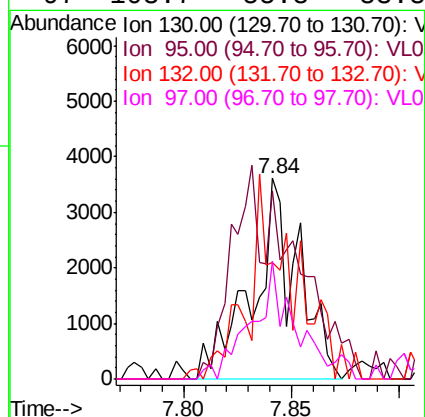
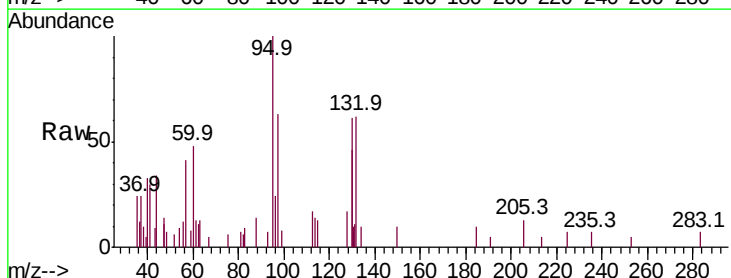
RT: 7.84 min Scan# 1572

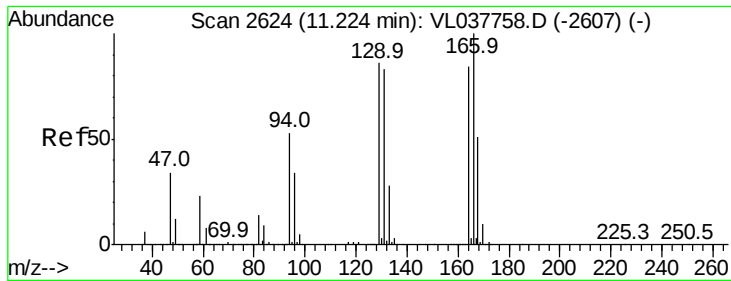
Delta R.T. 0.01 min

Lab File: VL037857.D

Acq: 18 Oct 2021 18:10

Tgt Ion:130 Resp: 5310
Ion Ratio Lower Upper
130 100
95 164.8 87.4 131.0#
132 102.3 76.8 115.2
97 103.7 55.8 83.8#





#52

Tetrachloroethene

Concen: 0.041 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Oct 2021 18:10

Tot Ion:1

Ion Ratio

164 100

166 79.

129 33.

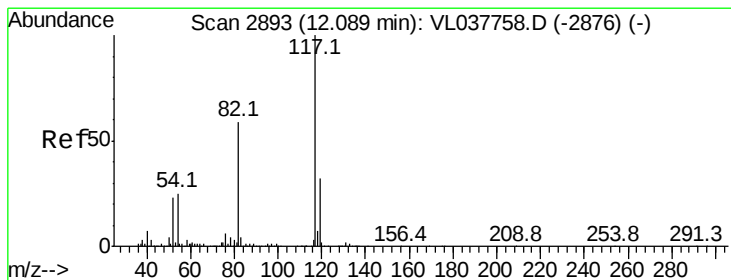
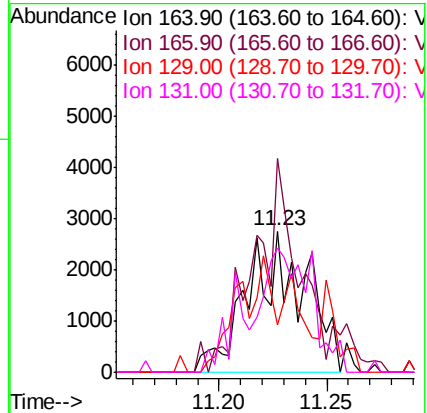
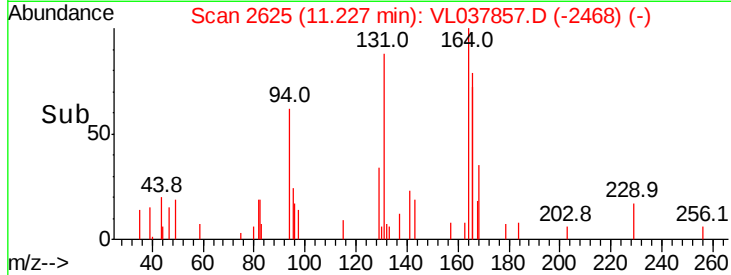
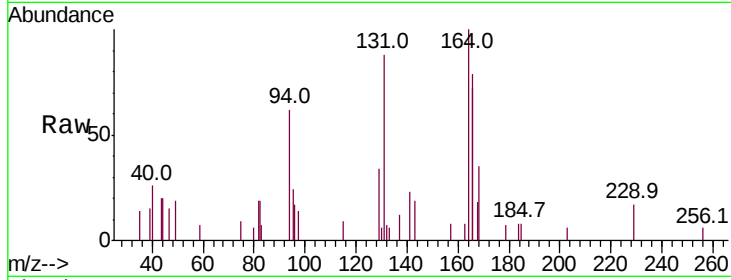
131 88.0 79.4 119.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL037857.D

Acq: 18 Oct 2021 18:10

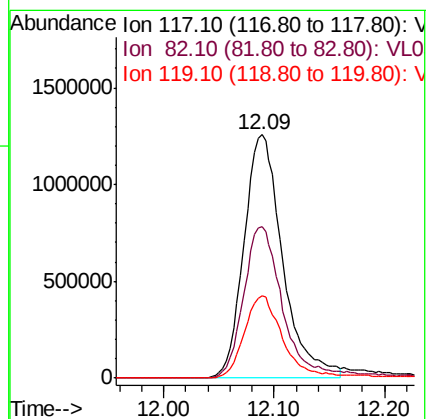
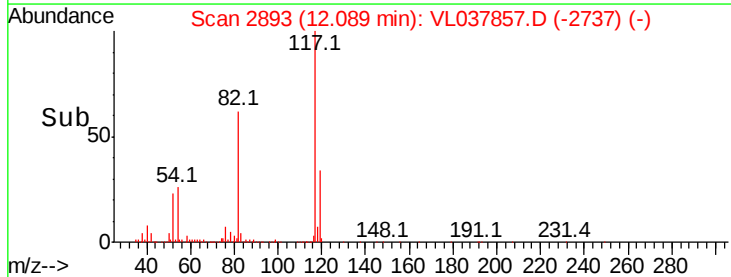
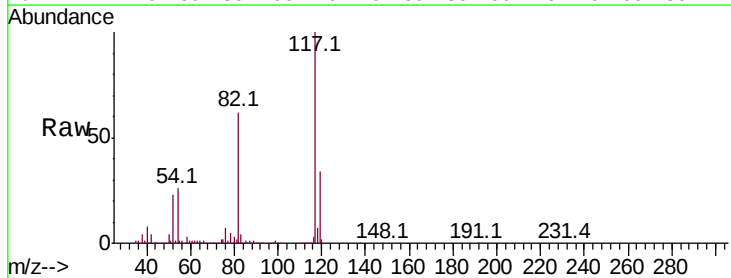
Tgt Ion:117 Resp: 3060182

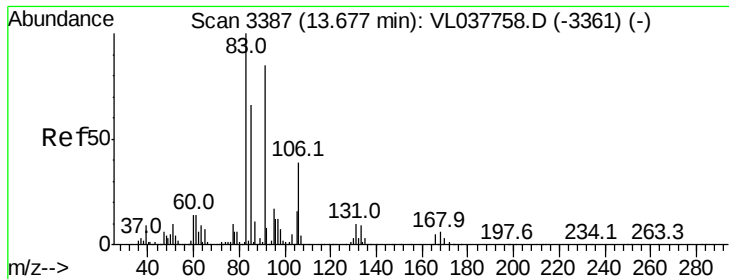
Ion Ratio Lower Upper

117 100

82 66.1 52.2 78.2

119 35.1 26.0 39.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.038 ppbv m

RT: 13.68

Delta R.T. MSVOA_L

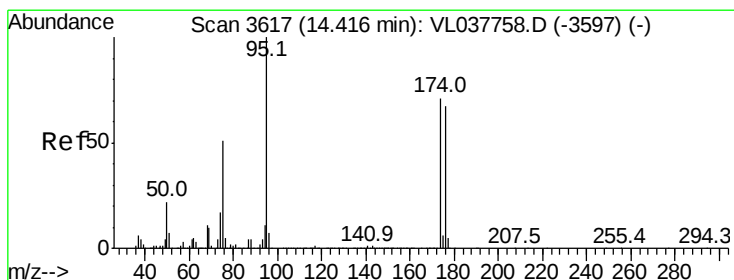
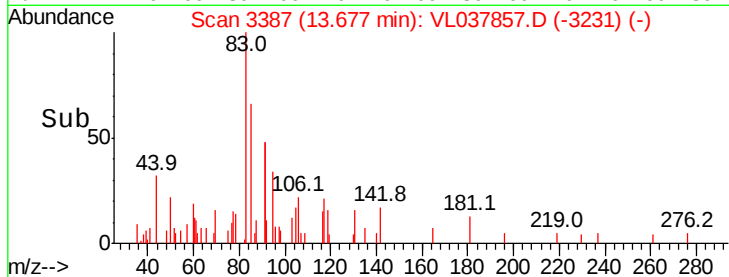
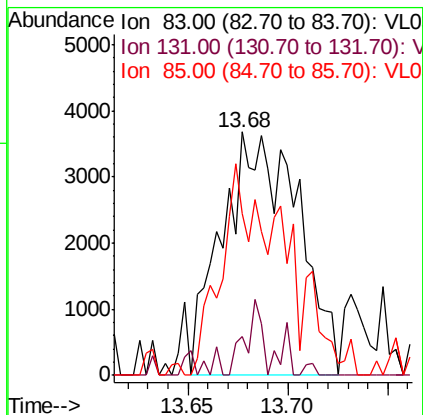
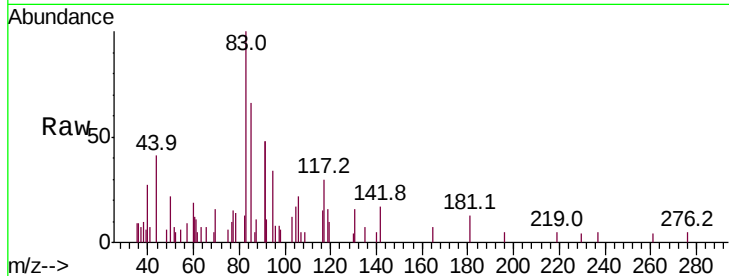
Lab File: ClientSampleId :

Acq: 18 Oct 2021 18:10

Tot Ion:
Ion Ratio
83 100
131 0.
85 75.

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.247 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.00 min

Lab File: VL037857.D

Acq: 18 Oct 2021 18:10

Tgt Ion: 95 Resp: 2192795
Ion Ratio Lower Upper
95 100
174 74.1 57.8 86.6
175 5.2 4.7 7.1

