

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037923.D
 Acq On : 27 Oct 2021 19:38
 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 10/28/2021
 Supervised By :Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 13:37:30 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	5.68	49	1264356	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3914911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3311441	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2270675	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	2702m	0.033	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	7041m	0.033	ppbv	
35) Carbon Tetrachloride	7.02	117	6960m	0.031	ppbv	
38) Trichloroethene	7.85	130	4447m	0.034	ppbv	
52) Tetrachloroethene	11.22	164	3712m	0.029	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	9456m	0.033	ppbv	

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

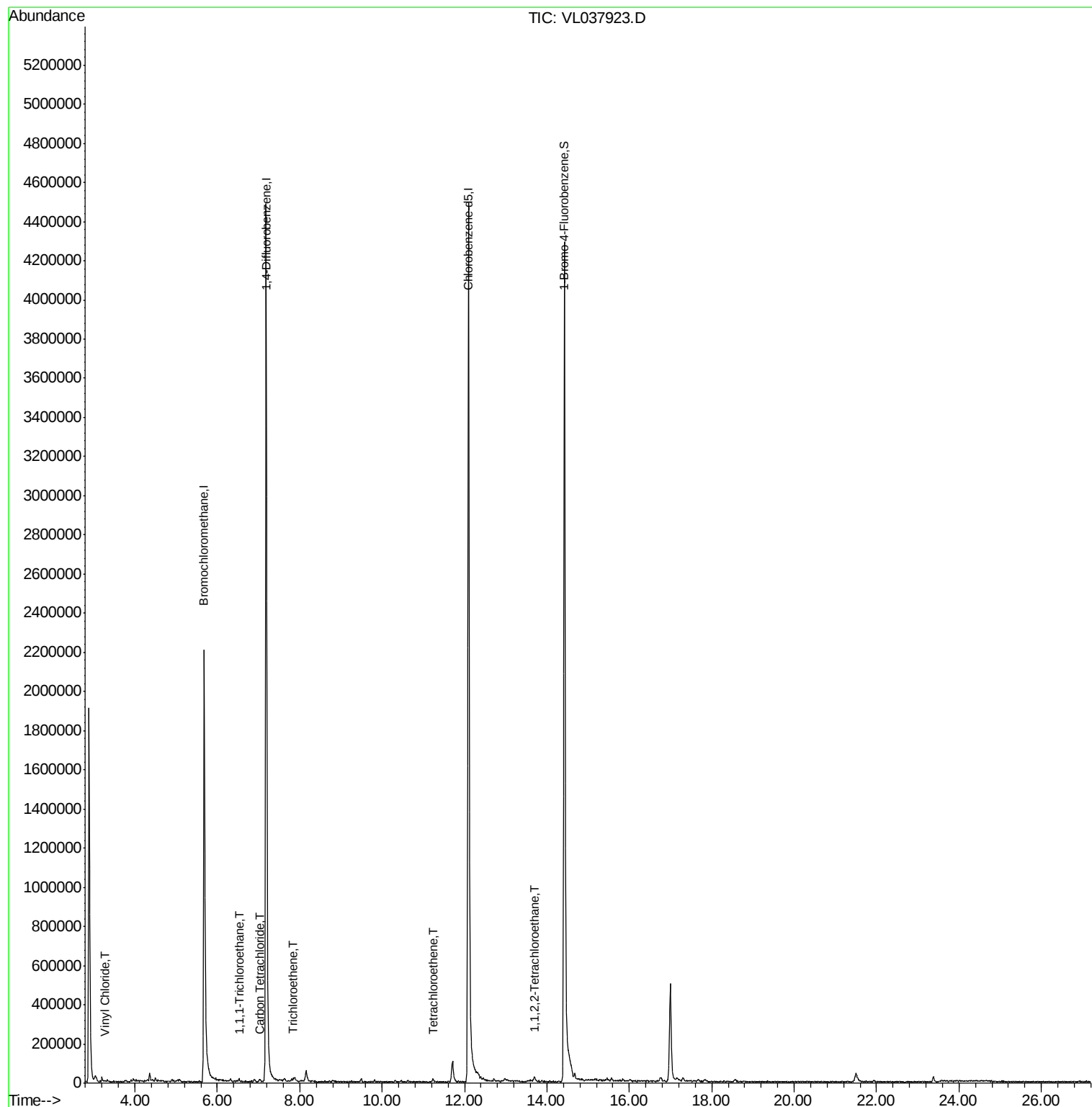
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL102721\
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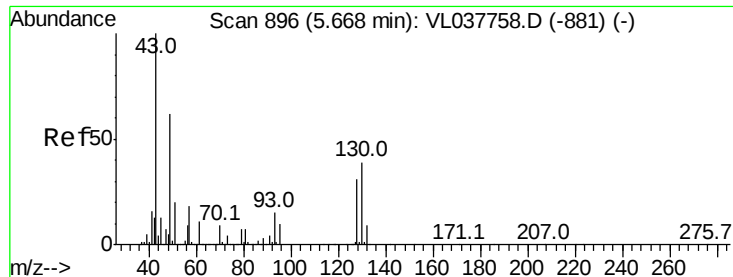
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2021

Quant Time: Oct 28 13:37:30 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: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

Tot Ion:

Ion Ratio

49 100

128 56.

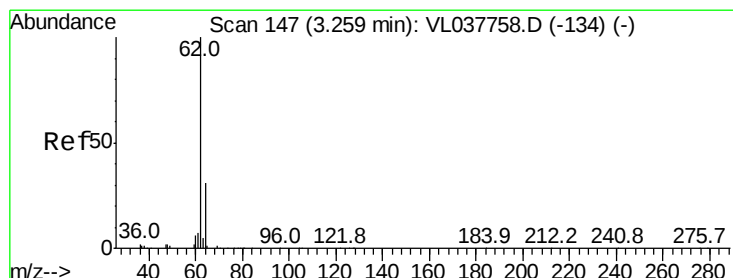
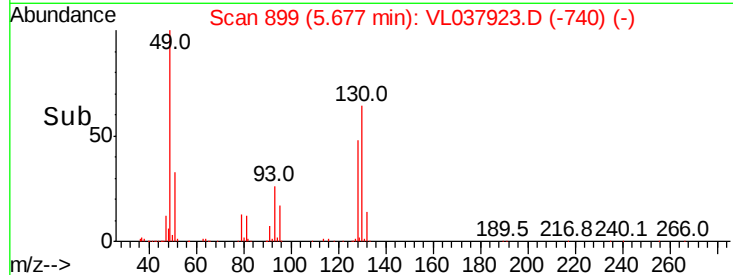
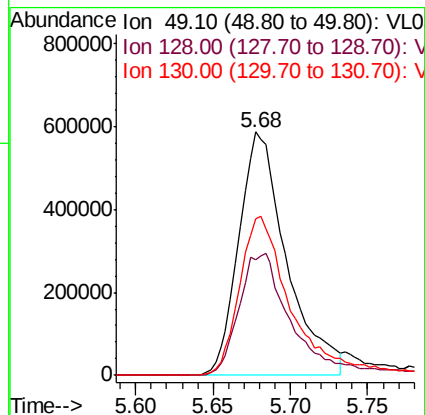
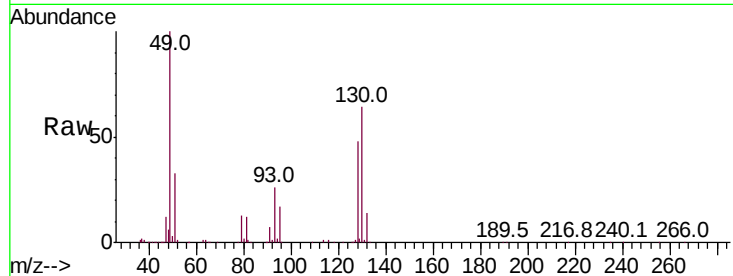
130 73.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.033 ppbv m

RT: 3.27 min Scan# 151

Delta R.T. 0.01 min

Lab File: VL037923.D

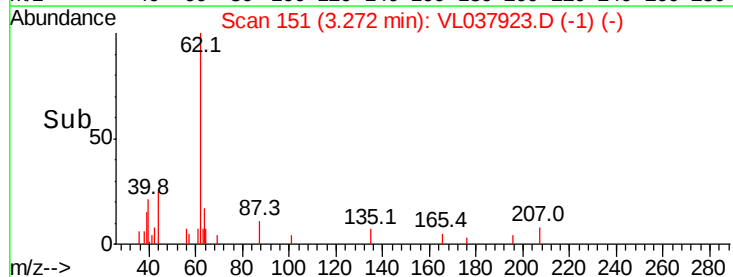
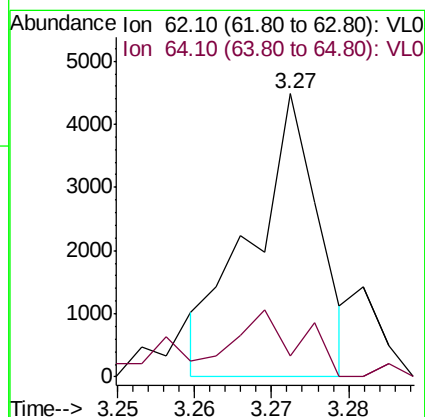
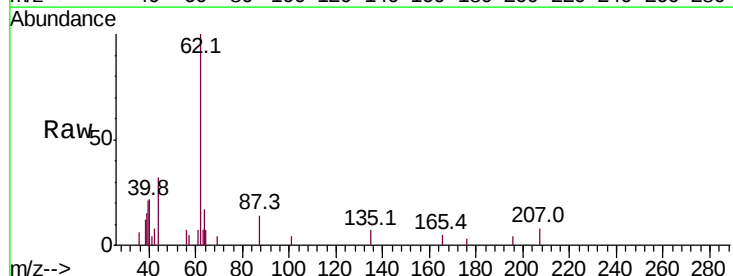
Acq: 27 Oct 2021 19:38

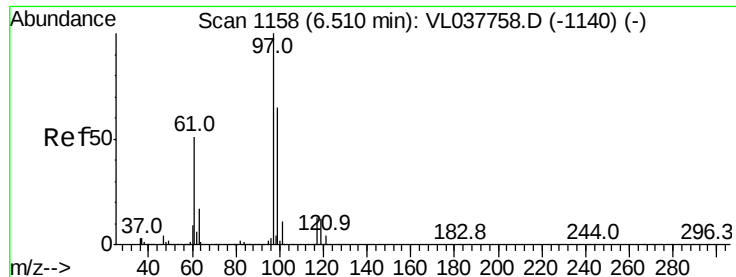
Tgt Ion: 62 Resp: 2702

Ion Ratio Lower Upper

62 100

64 7.5 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.033 ppbv m

RT: 6.53 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

Tot Ion:

Ion Ratio

97 100

99 0.

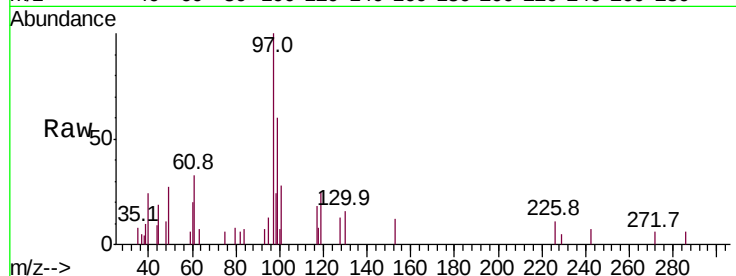
61 62.

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Reviewed By :Semsettin Yesilyurt 10/28/2021

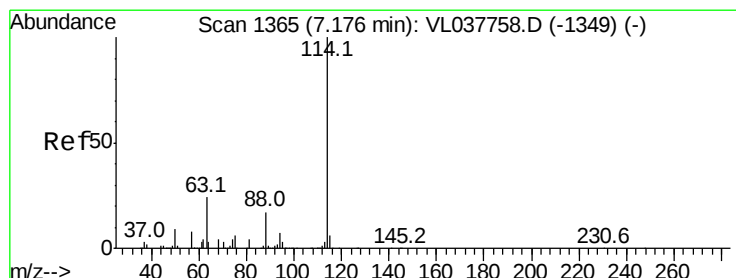
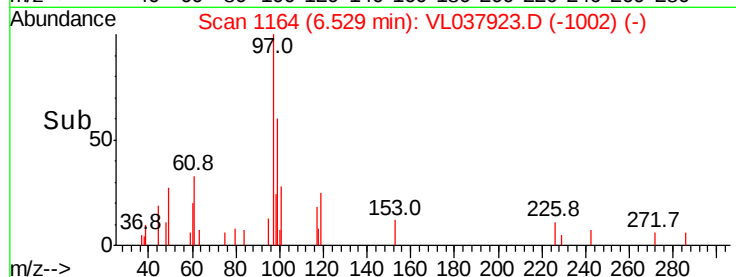
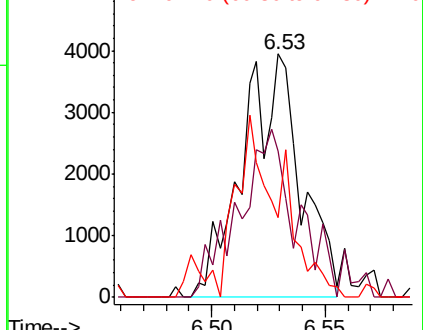
Supervised By :Mahesh Dadoda 10/29/2021



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: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

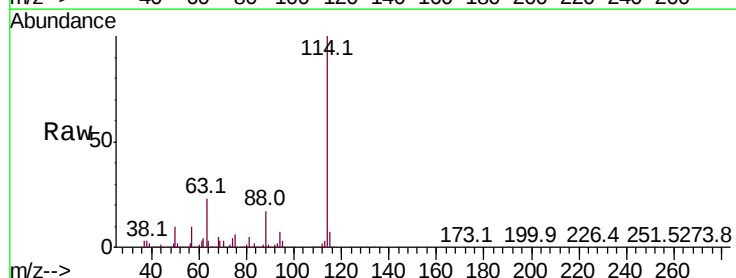
Tgt Ion:114 Resp: 3914911

Ion Ratio Lower Upper

114 100

63 23.9 19.4 29.2

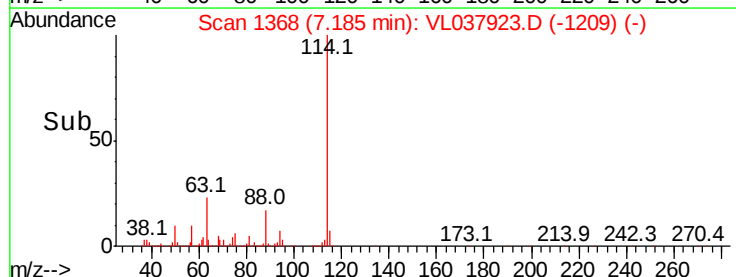
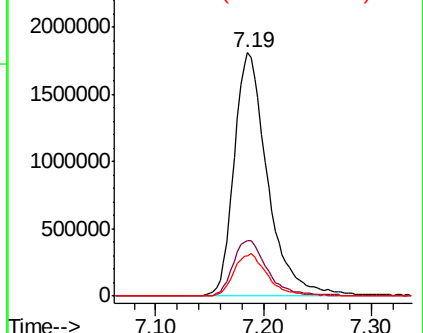
88 17.7 14.4 21.6

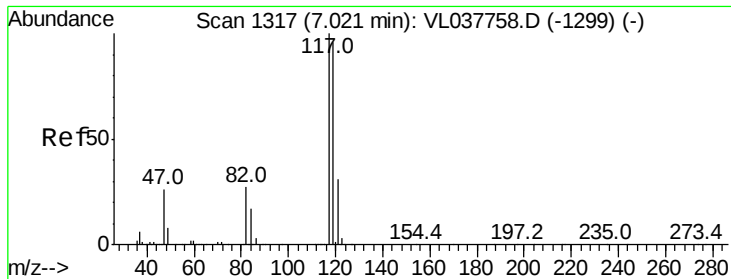


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.031 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

Tot Ion:1

Ion Ratio

117 100

119 55.

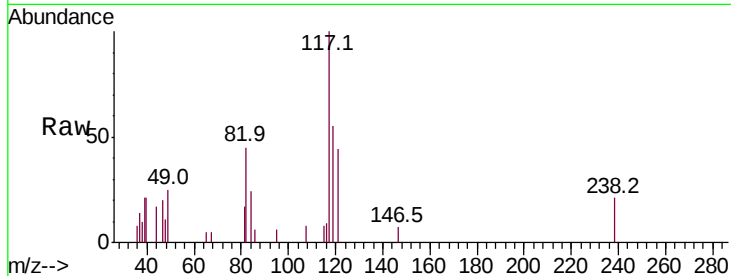
121 43.

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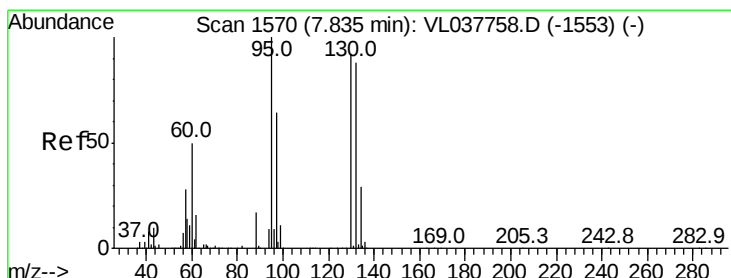
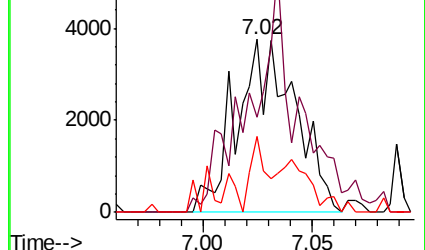
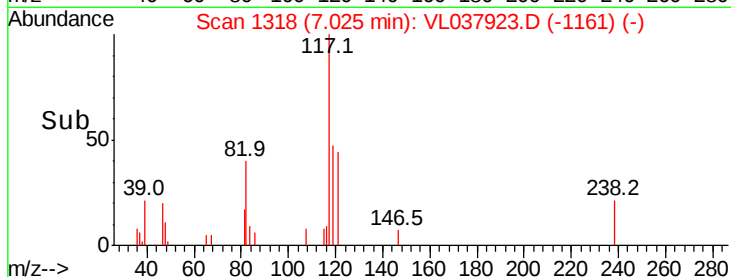
Supervised By :Mahesh Dadoda 10/29/2021



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#38

Trichloroethene

Concen: 0.034 ppbv m

RT: 7.85 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

Tgt Ion:130 Resp: 4447

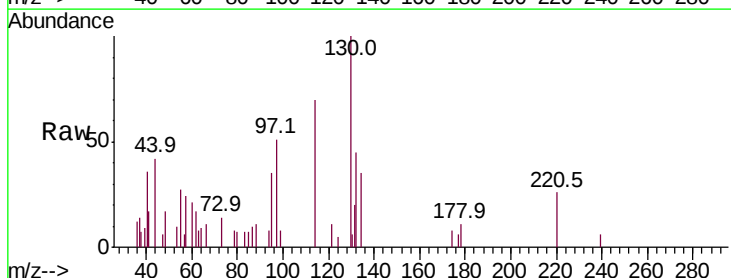
Ion Ratio Lower Upper

130 100

95 34.9 87.4 131.0#

132 44.6 76.8 115.2#

97 50.6 55.8 83.8#

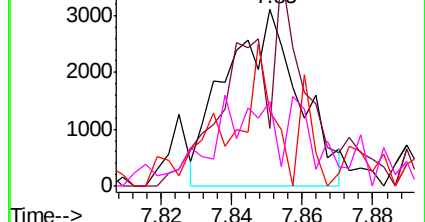
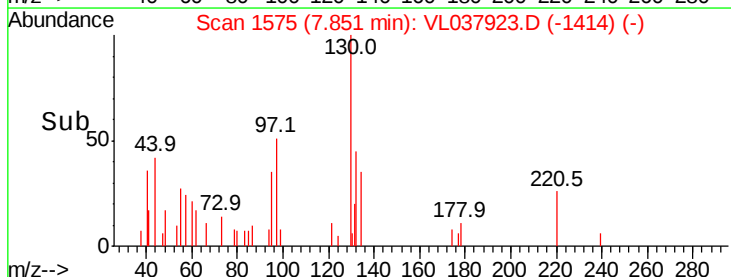


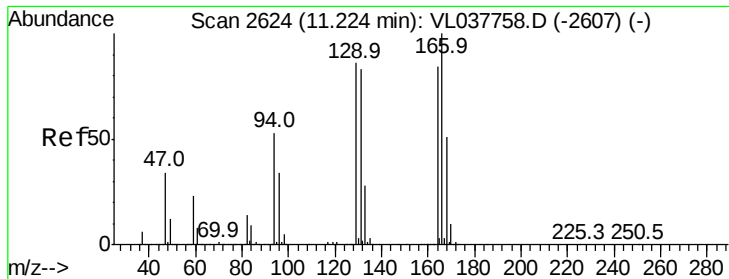
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): V

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): V





#52

Tetrachloroethene

Concen: 0.029 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 19:38

Tot Ion:1

Ion Ratio

164 100

166 205.

129 94.

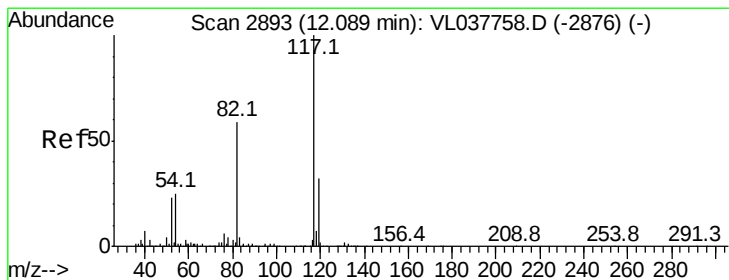
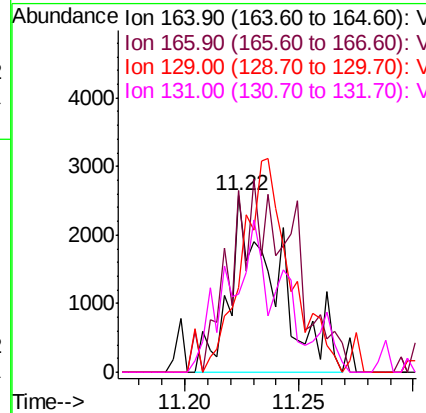
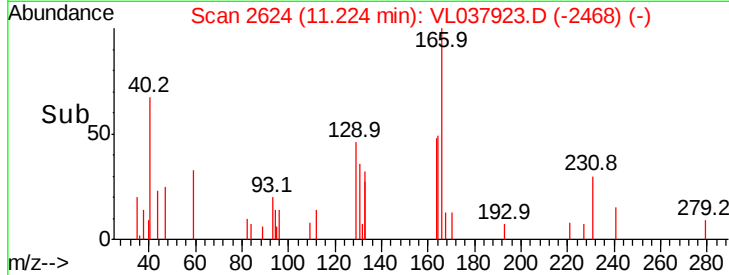
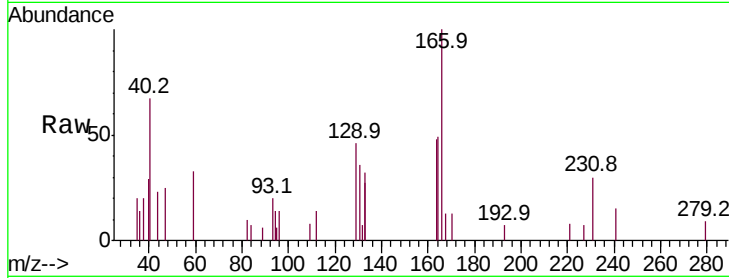
131 73.7 79.4 119.2#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL037923.D

Acq: 27 Oct 2021 19:38

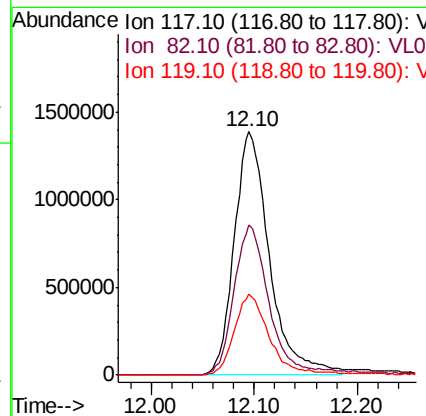
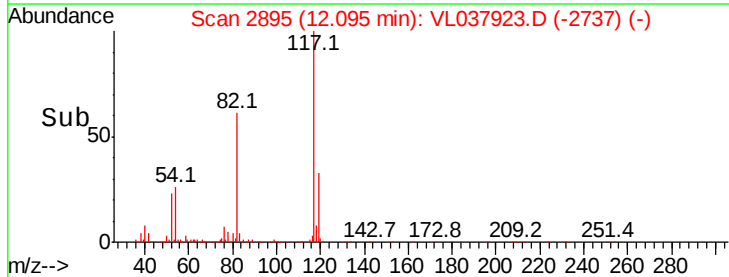
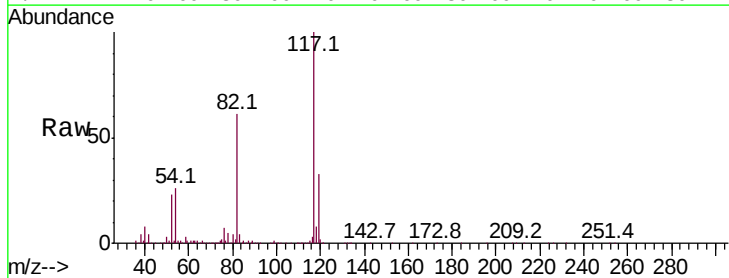
Tgt Ion:117 Resp: 3311441

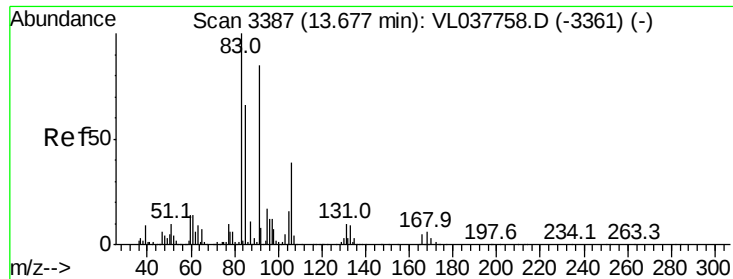
Ion Ratio Lower Upper

117 100

82 63.8 52.2 78.2

119 33.9 26.0 39.0



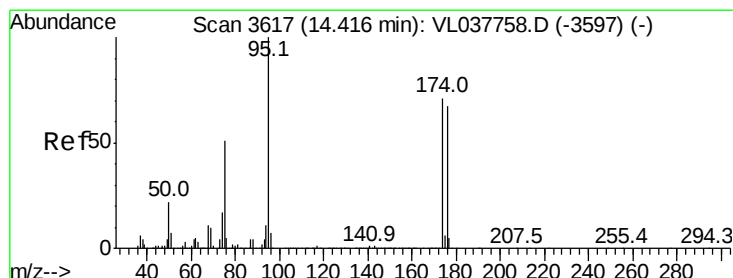
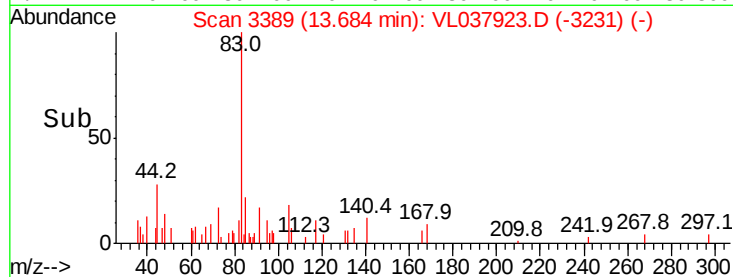
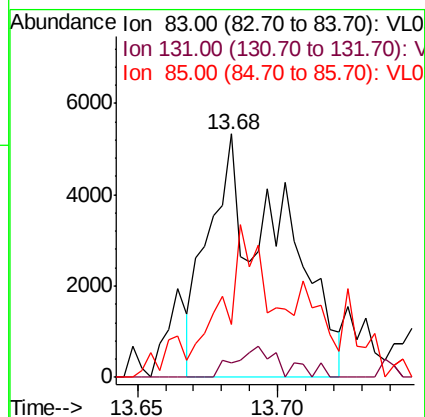
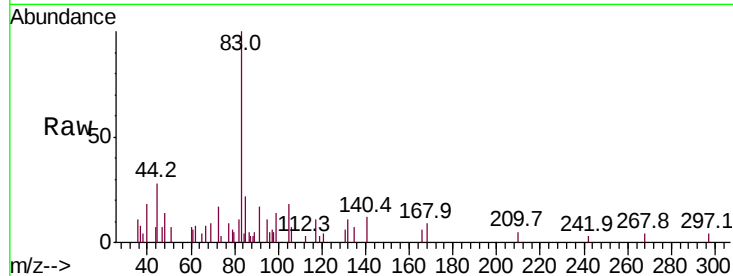


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.033 ppbv m
 RT: 13.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Oct 2021 19:38

Tot Ion:
 Ion Ratio
 83 100
 131 0.
 85 47.

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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.806 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL037923.D
 Acq: 27 Oct 2021 19:38

Tgt Ion: 95 Resp: 2270675
 Ion Ratio Lower Upper
 95 100
 174 75.1 57.8 86.6
 175 5.7 4.7 7.1

