

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036906.D
 Acq On : 6 May 2021 16:40
 Operator : SY/AP
 Sample : M2262-14 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Manual Integrations
 APPROVED

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

Quant Time: May 07 09:14:30 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	5.68	49	1341544	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3137915	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2648834	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2079488	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	4041m	0.050	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	9037m	0.039	ppbv	
35) Carbon Tetrachloride	7.02	117	8033m	0.038	ppbv	
38) Trichloroethene	7.85	130	2920m	0.031	ppbv	
52) Tetrachloroethene	11.24	164	3075m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	9238m	0.040	ppbv	

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

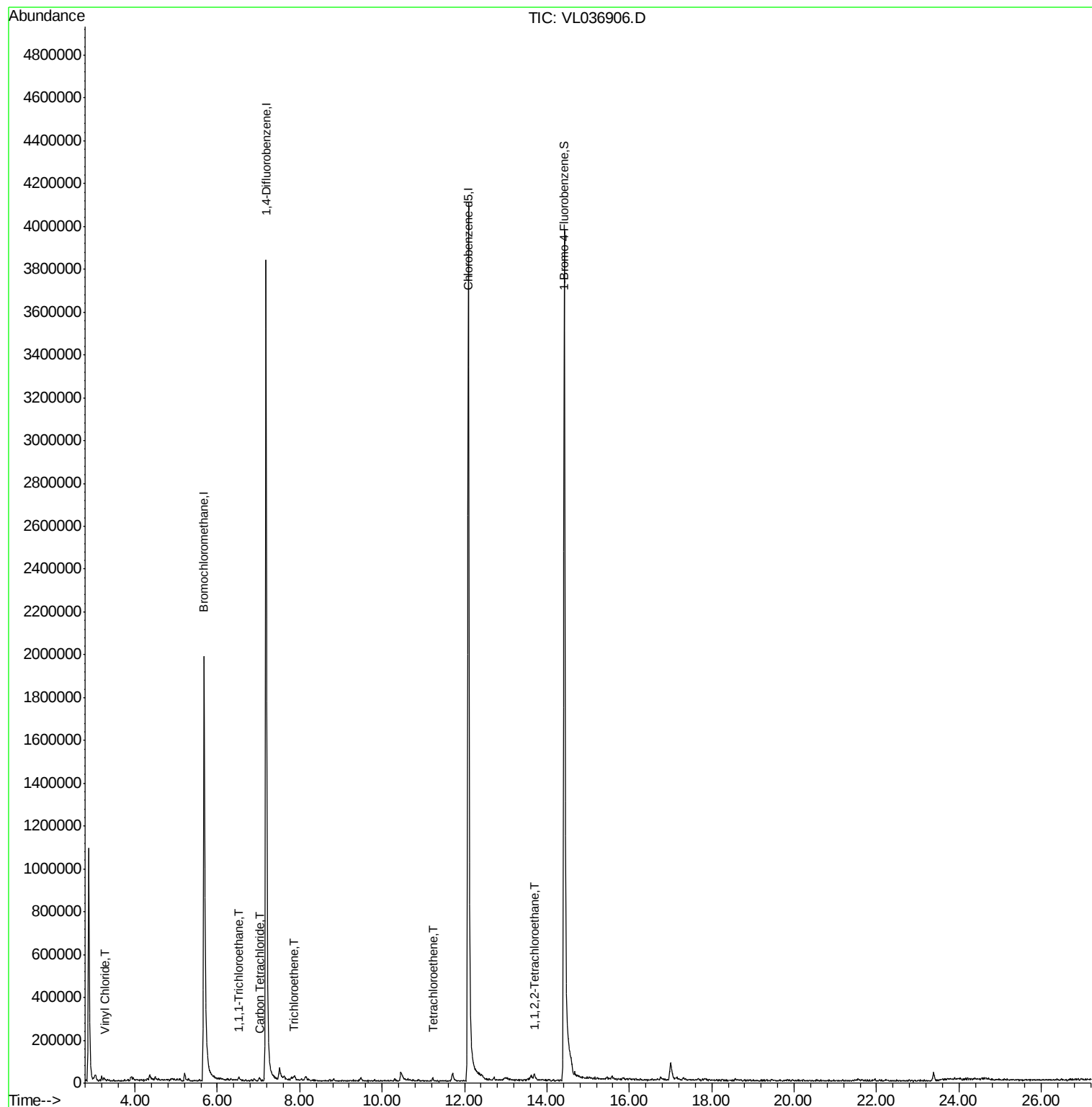
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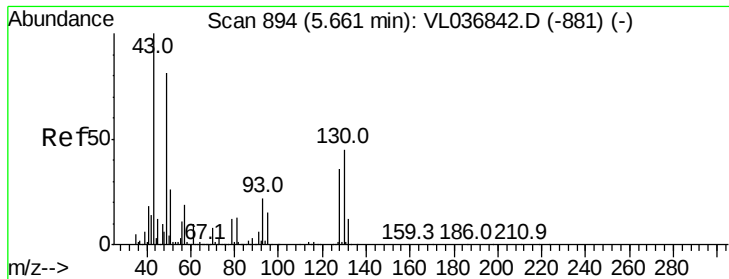
Instrument :
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 10:40

Tot Ion:

Ion Ratio

49 100

128 45.

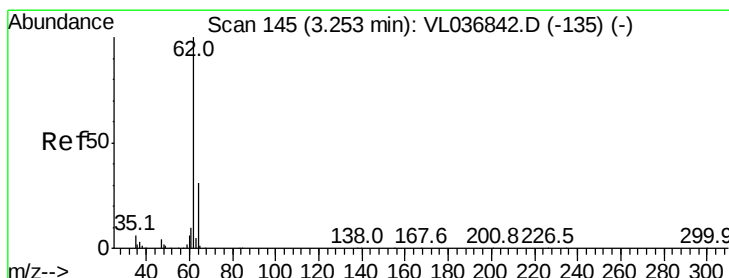
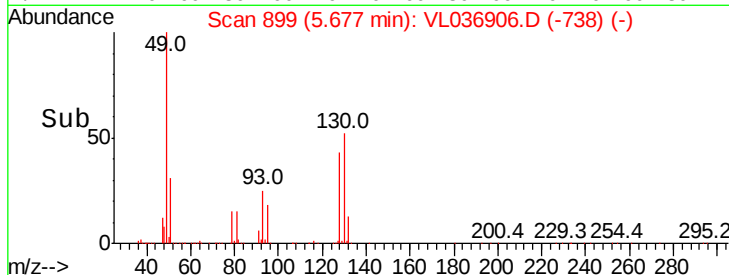
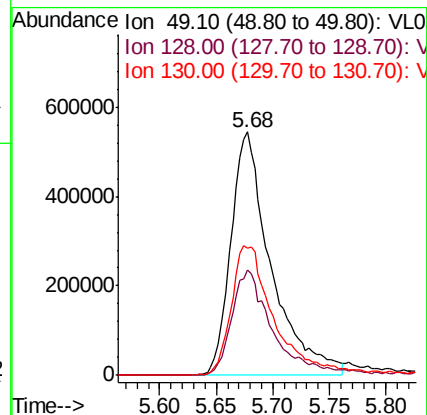
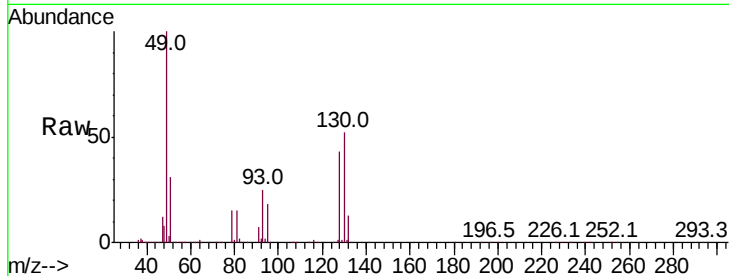
130 59.

Manual Integrations

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Supervised By :Mahesh Dadoda 05/10/2021



#5

Vinyl Chloride

Concen: 0.050 ppbv m

RT: 3.27 min Scan# 151

Delta R.T. 0.02 min

Lab File: VL036906.D

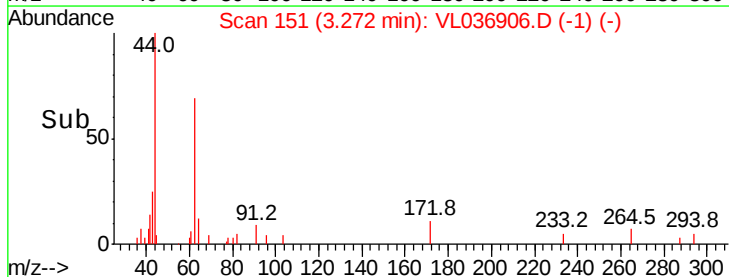
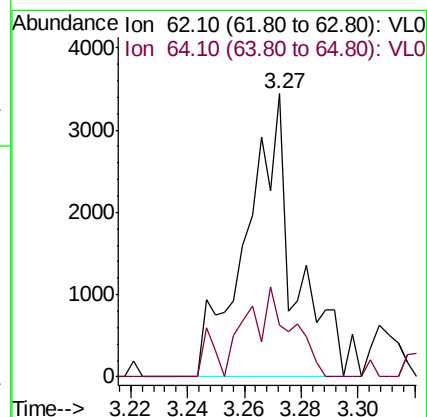
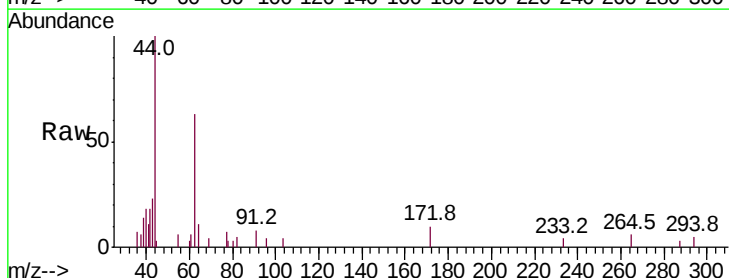
Acq: 6 May 2021 16:40

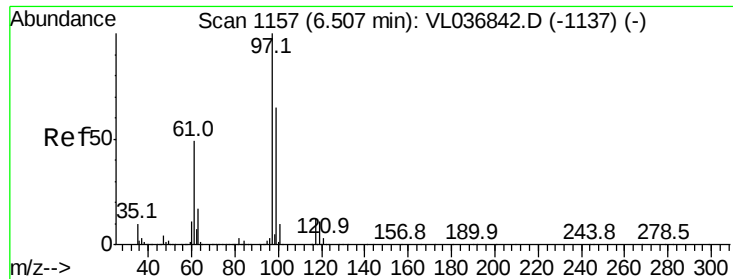
Tgt Ion: 62 Resp: 4041

Ion Ratio Lower Upper

62 100

64 18.1 25.0 37.4#





#32

1,1,1-Trichloroethane

Concen: 0.039 ppbv m

RT: 6.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 10:40

Tot Ion:

Ion Ratio

97 100

99 70.

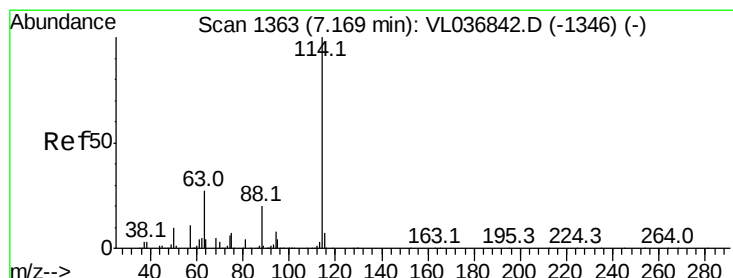
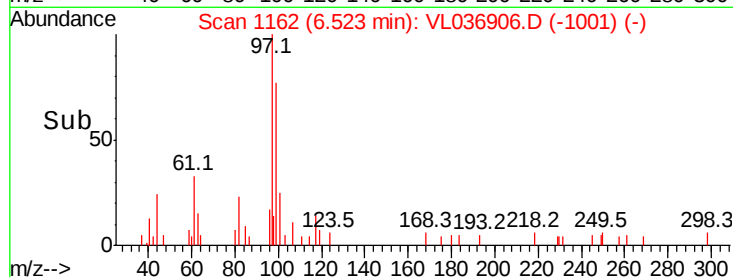
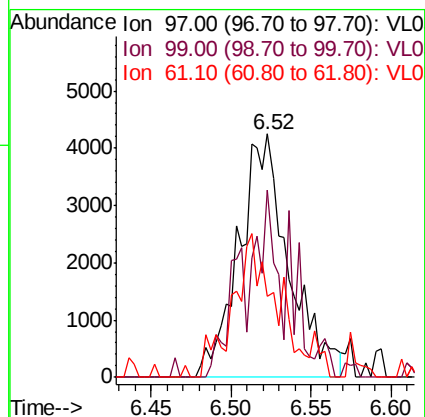
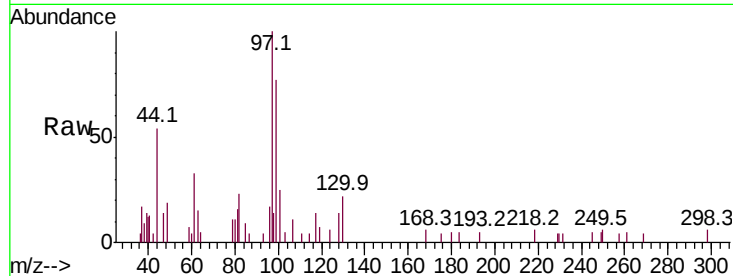
61 0.

Manual Integrations

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Supervised By :Mahesh Dadoda 05/10/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036906.D

Acq: 6 May 2021 16:40

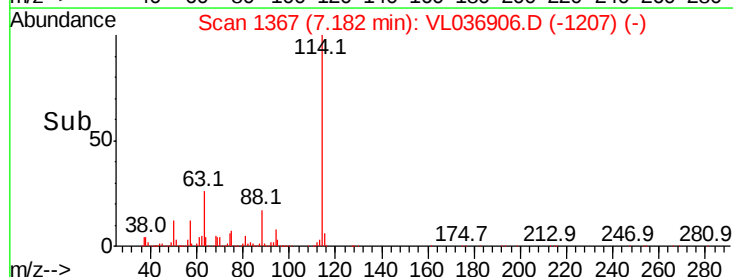
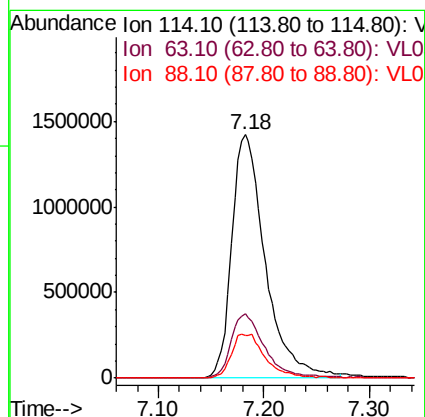
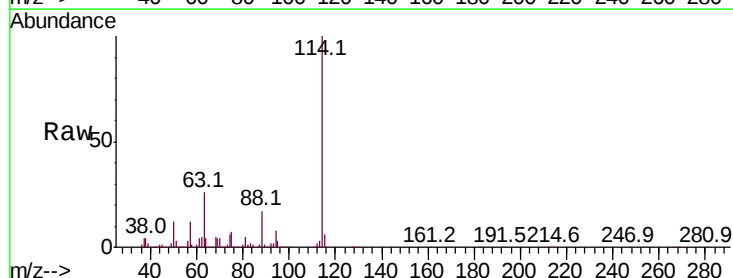
Tgt Ion:114 Resp: 3137915

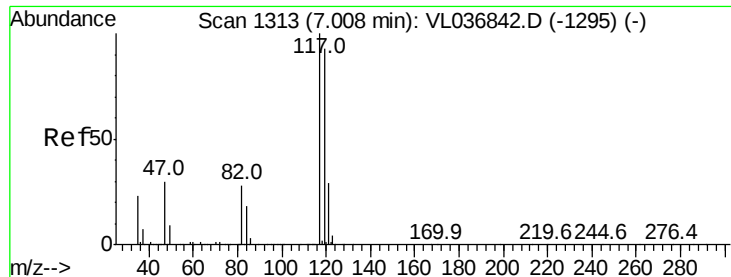
Ion Ratio Lower Upper

114 100

63 27.1 21.9 32.9

88 18.8 15.1 22.7





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 10:40

Tot Ion:1

Ion Rati

117 100

119 55.

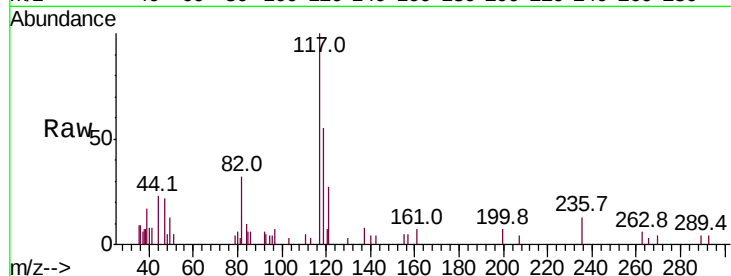
121 27.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2021

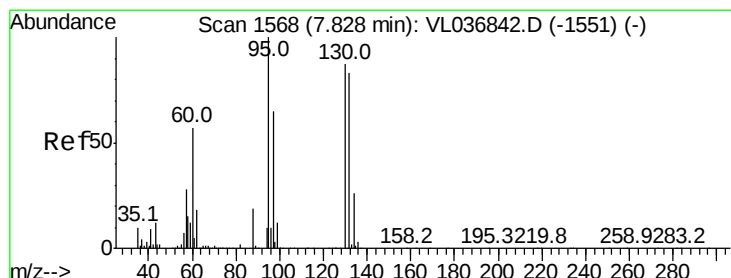
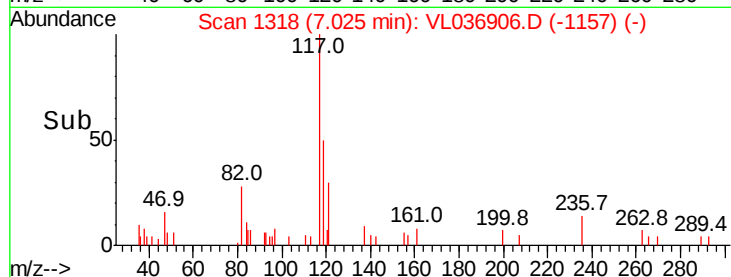
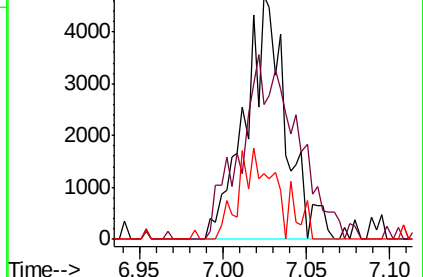
Supervised By :Mahesh Dadoda 05/10/2021



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: 0.031 ppbv m

RT: 7.85 min Scan# 1576

Delta R.T. 0.03 min

Lab File: VL036906.D

Acq: 6 May 2021 16:40

Tgt Ion:130 Resp: 2920

Ion Ratio Lower Upper

130 100

95 62.7 92.3 138.5#

132 54.1 76.8 115.2#

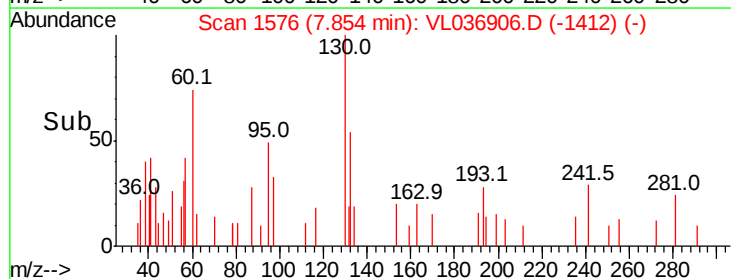
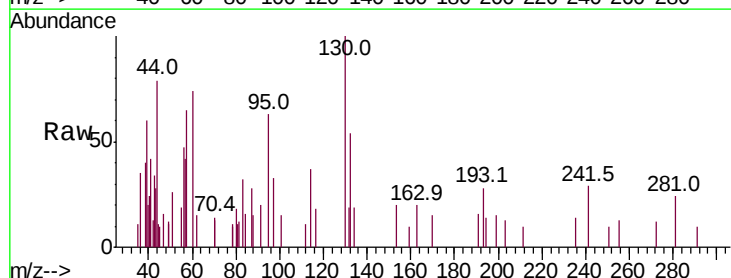
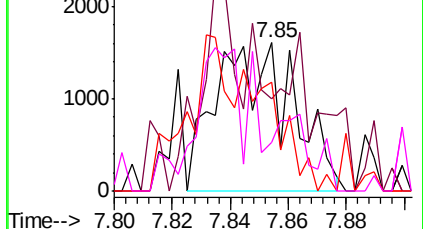
97 32.6 60.0 90.0#

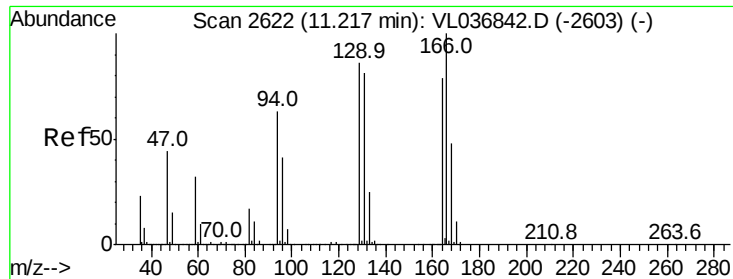
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#52

Tetrachloroethene

Concen: 0.034 ppbv m

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 May 2021 10:40

Tot Ion:1

Ion Ratio

164 100

166 118.

129 42.

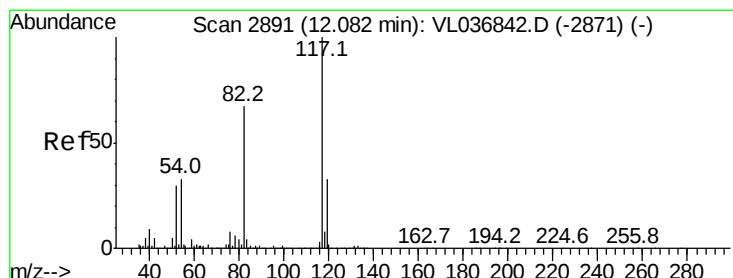
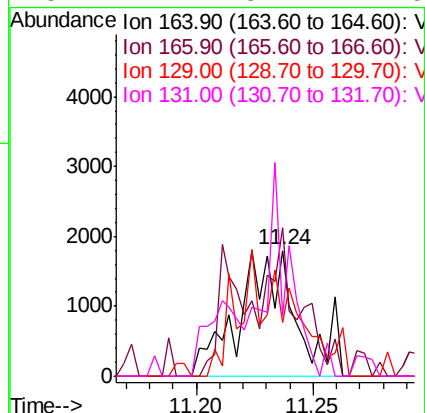
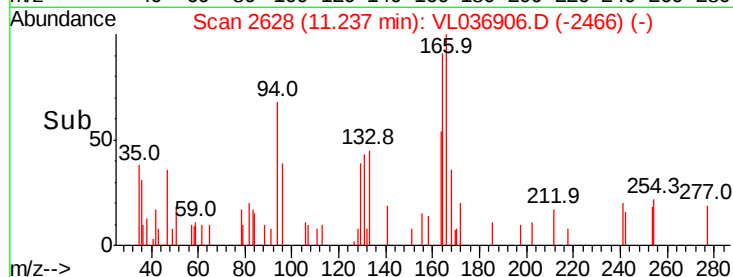
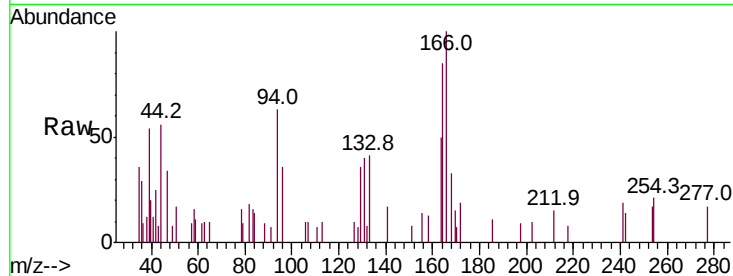
131 47.2 81.7 122.5#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.01 min

Lab File: VL036906.D

Acq: 6 May 2021 16:40

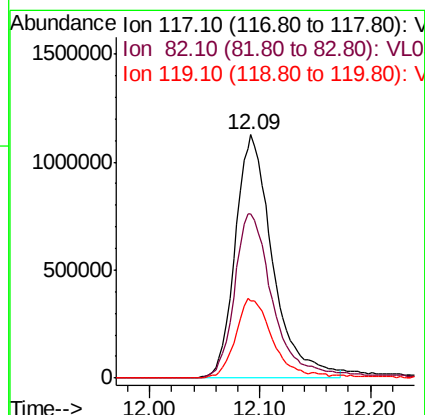
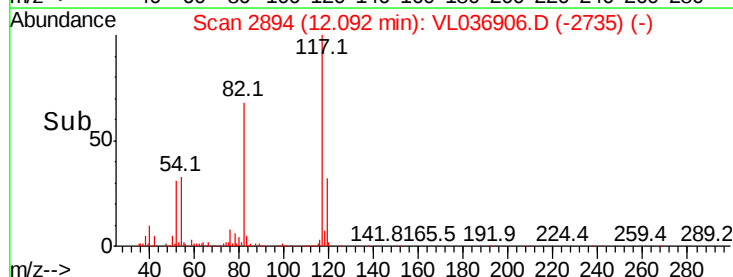
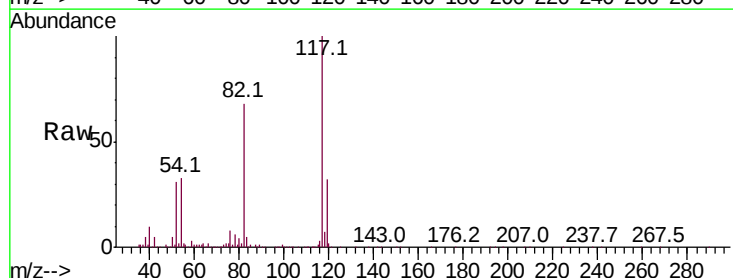
Tgt Ion:117 Resp: 2648834

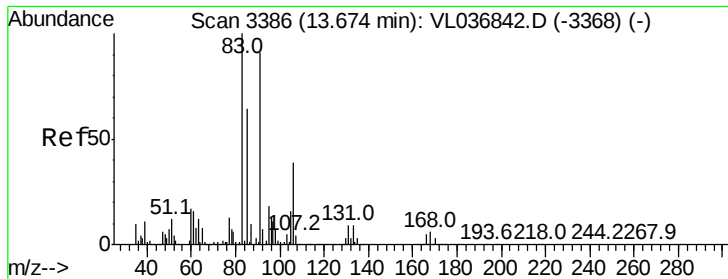
Ion Ratio Lower Upper

117 100

82 71.9 53.5 80.3

119 34.2 25.6 38.4



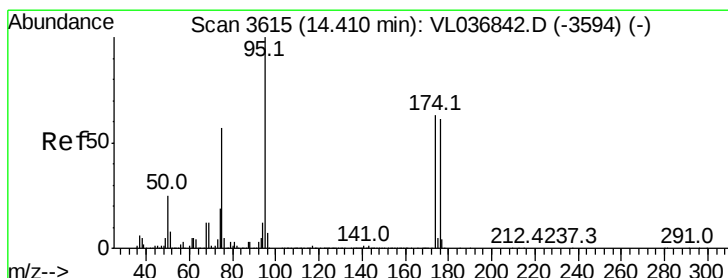
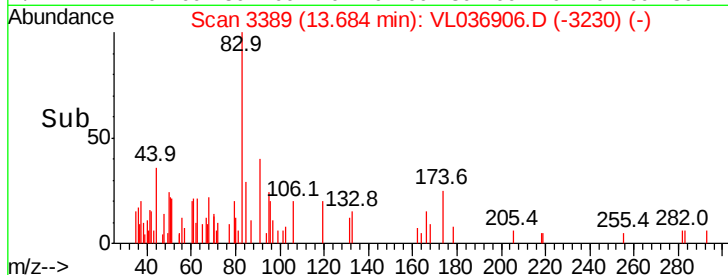
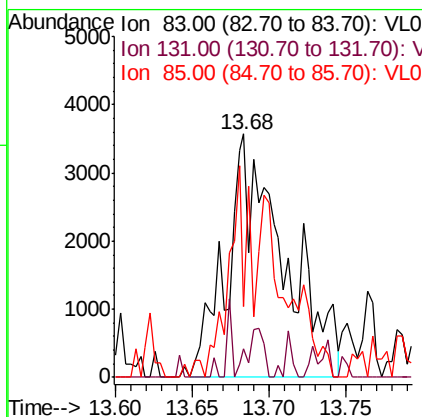
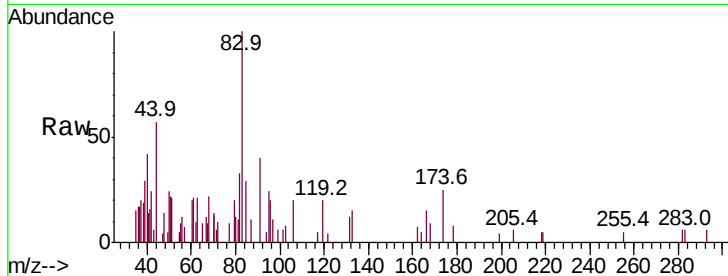


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.040 ppbv m
 RT: 13.68
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: LOQ-AIR-02-OT2-2021
 Acq: 6 May 2021 10:40

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: 9.780 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.01 min
 Lab File: VL036906.D
 Acq: 6 May 2021 16:40

Tgt Ion: 95 Resp: 2079488
 Ion Ratio Lower Upper
 95 100
 174 69.1 52.2 78.2
 175 4.8 4.0 6.0

