

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036475.D
 Acq On : 25 Mar 2021 5:10
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021

Quant Time: Mar 25 09:28:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1600836m	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3543467	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3151777	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2516660	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds					Ovalue
5) Vinyl Chloride	3.25	62	3781m	0.043	ppbv
32) 1,1,1-Trichloroethane	6.50	97	11486m	0.047	ppbv
35) Carbon Tetrachloride	7.02	117	9744m	0.042	ppbv
38) Trichloroethene	7.82	130	4936m	0.047	ppbv
52) Tetrachloroethene	11.23	164	4192m	0.040	ppbv
63) 1,1,2,2-Tetrachloroethane	13.68	83	10408m	0.039	ppbv

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

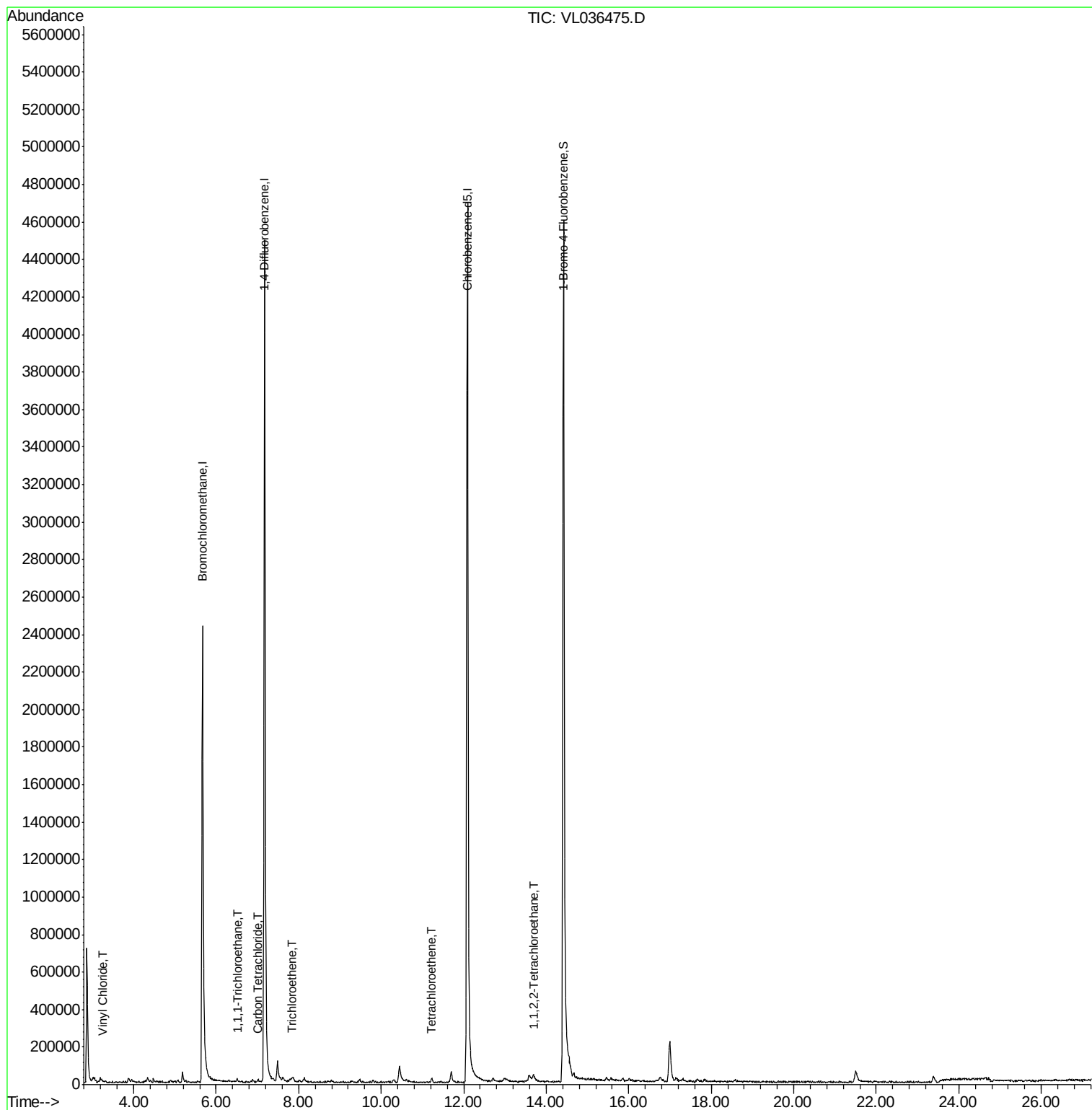
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032521\
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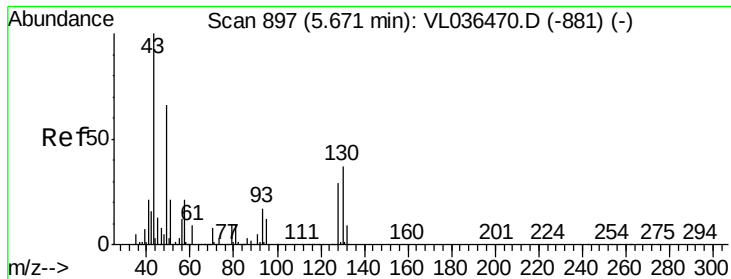
Instrument :
MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv m

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 5:10 VSTDIC0.03

Tot Ion:

Ion Ratio

49 100

128 42.

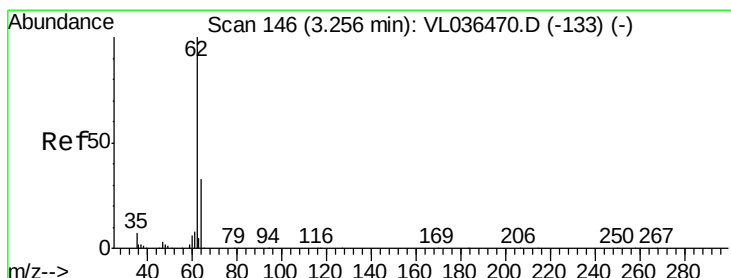
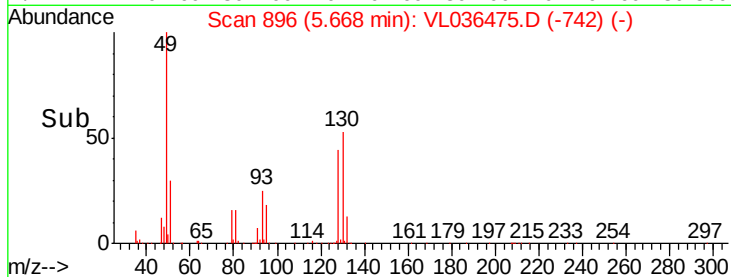
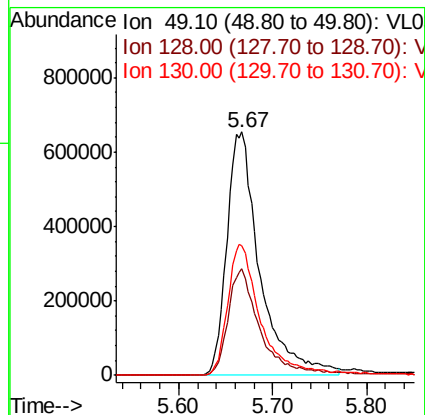
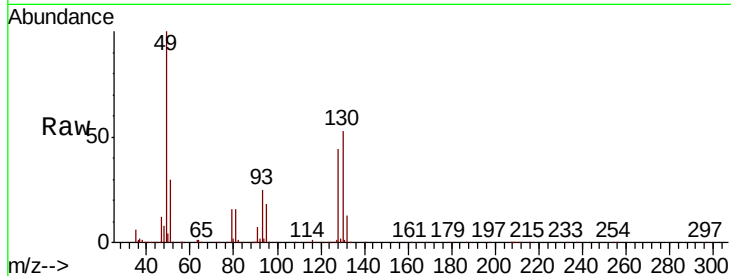
130 54.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

Supervised By :Mahesh Dadoda 03/29/2021



#5

Vinyl Chloride

Concen: 0.043 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036475.D

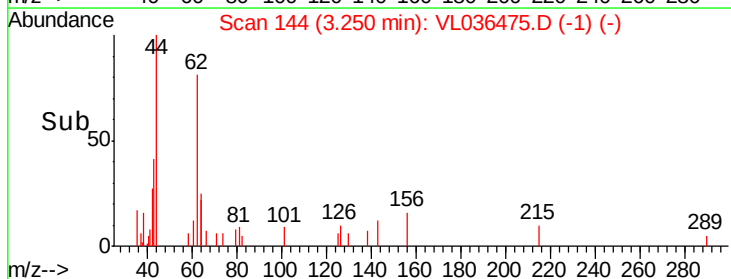
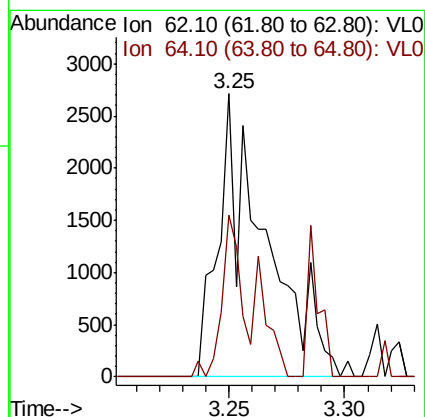
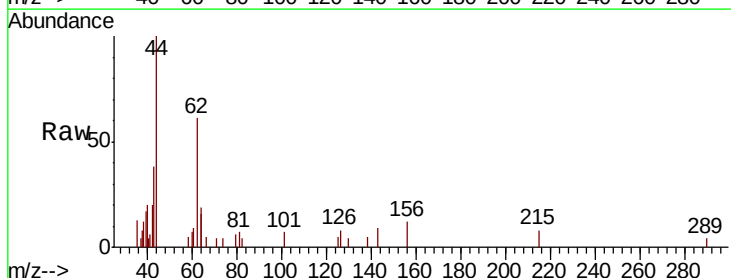
Acq: 25 Mar 2021 5:10

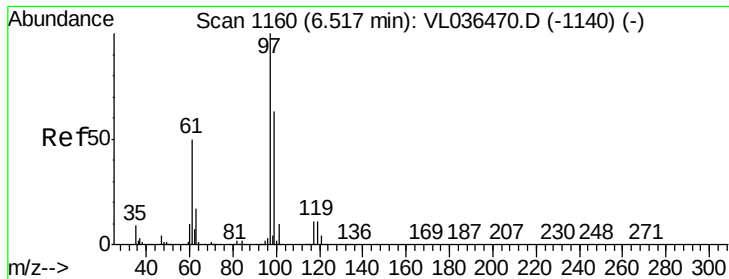
Tgt Ion: 62 Resp: 3781

Ion Ratio Lower Upper

62 100

64 30.5 26.4 39.6



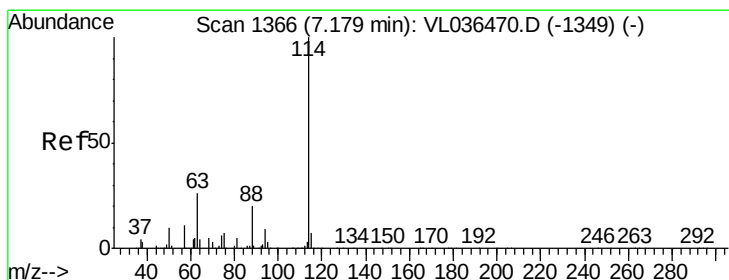
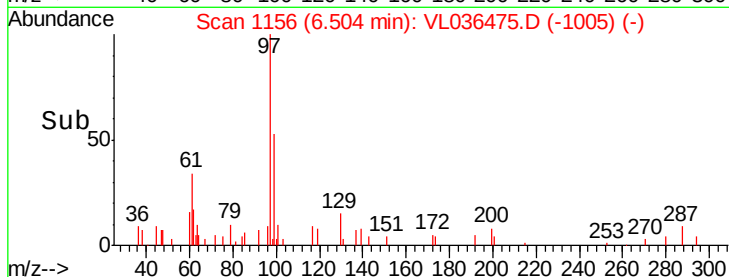
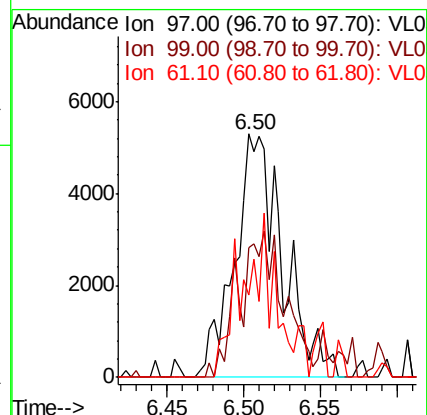
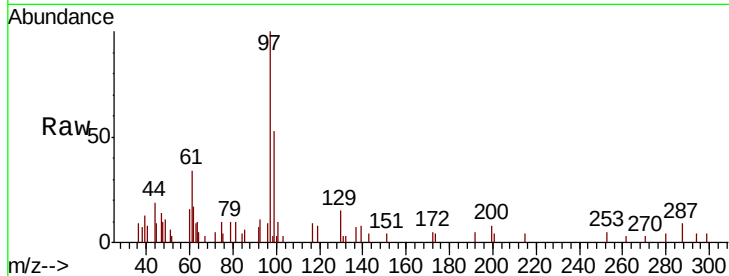


#32
 1,1,1-Trichloroethane
 Concen: 0.047 ppbv m
 RT: 6.50
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.03
 Acq: 25 Mar 2021 5:10

Tot Ion:
 Ion Ratio
 97 100
 99 66.
 61 47.

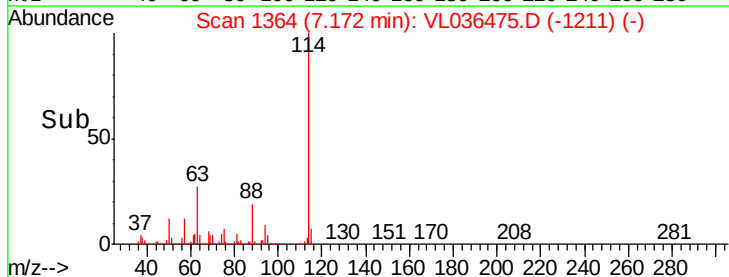
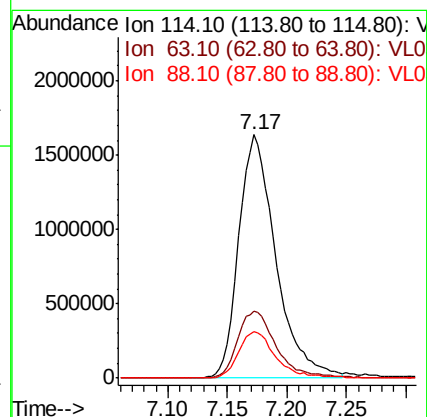
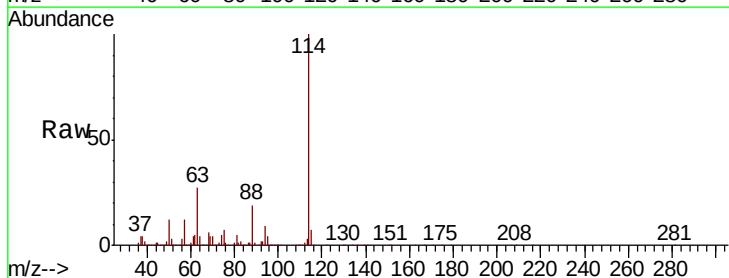
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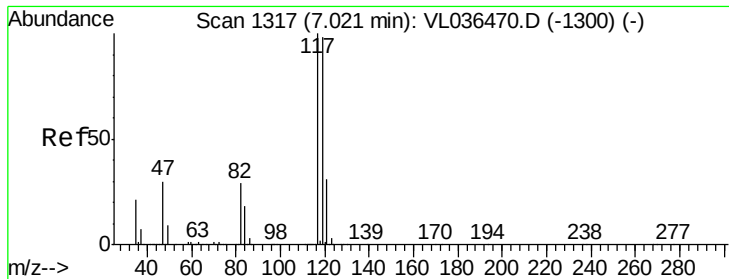
Reviewed By :Semsettin Yesilyurt 03/26/2021
 Supervised By :Mahesh Dadoda 03/29/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036475.D
 Acq: 25 Mar 2021 5:10

Tgt Ion:114 Resp: 3543467
 Ion Ratio Lower Upper
 114 100
 63 28.9 22.4 33.6
 88 19.5 15.4 23.0





#35

Carbon Tetrachloride

Concen: 0.042 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 5:10 VSTDIC0.03

Tot Ion:1

Ion Rati

117 100

119 51.

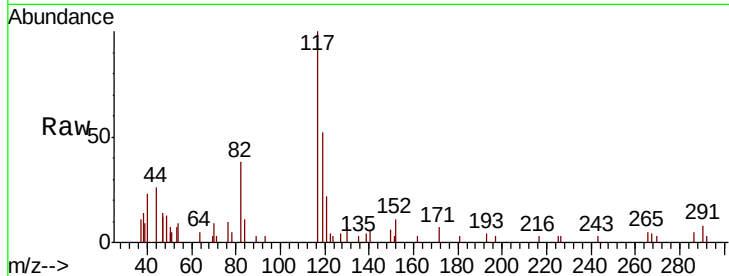
121 22.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2021

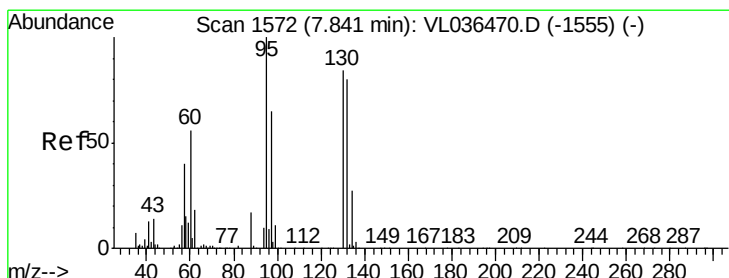
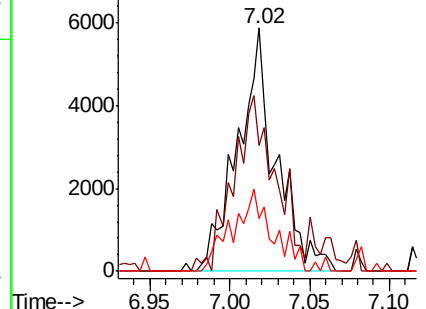
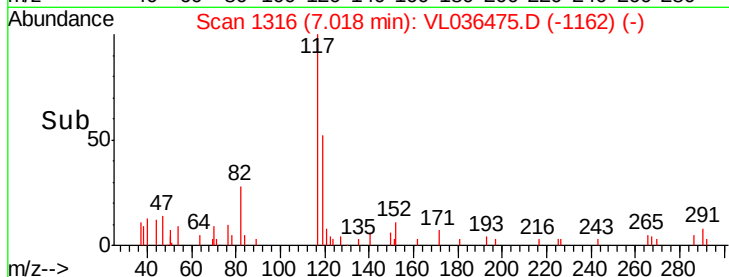
Supervised By :Mahesh Dadoda 03/29/2021



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: 0.047 ppbv m

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL036475.D

Acq: 25 Mar 2021 5:10

Tgt Ion:130 Resp: 4936

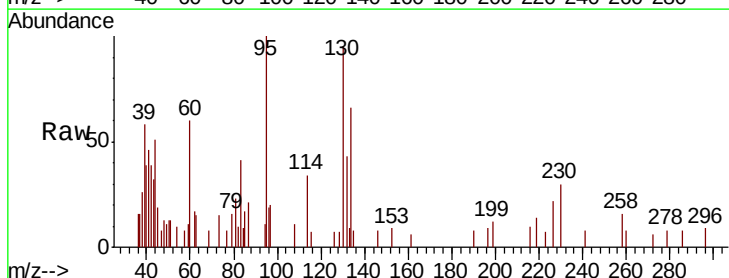
Ion Ratio Lower Upper

130 100

95 105.3 95.7 143.5

132 44.9 76.2 114.4#

97 20.8 61.8 92.6#

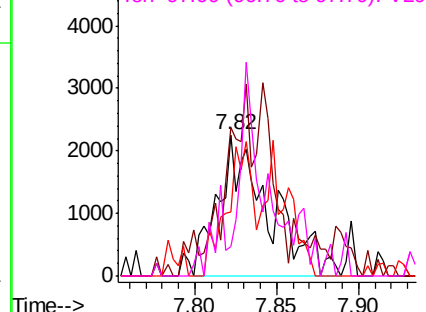
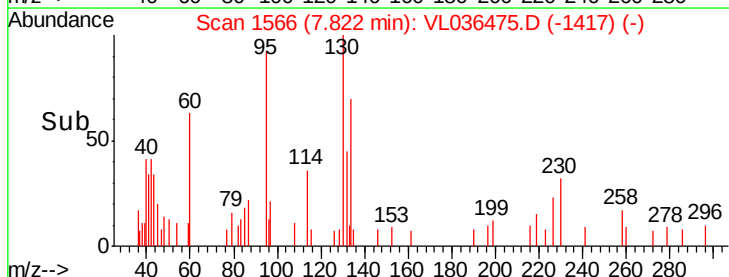


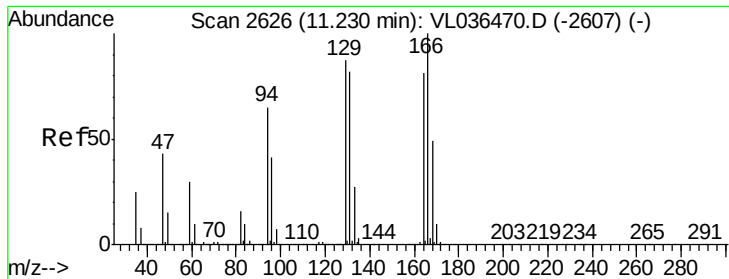
Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.040 ppbv m

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 5:10

Tot Ion:1

Ion Ratio

164 100

166 148.

129 76.

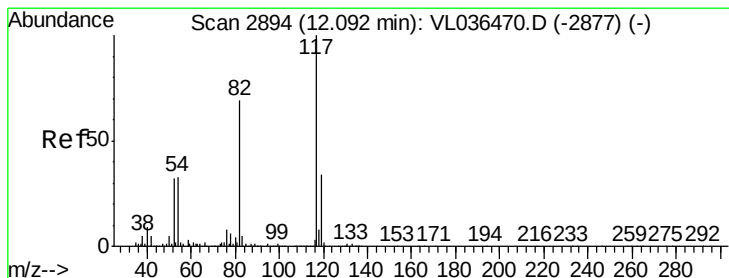
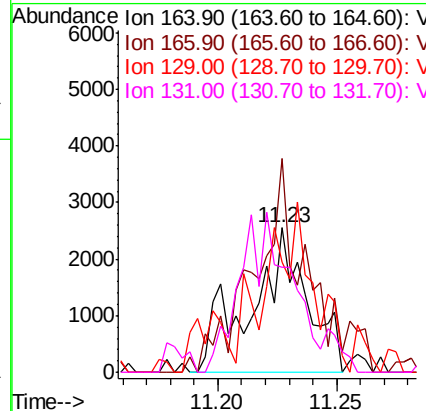
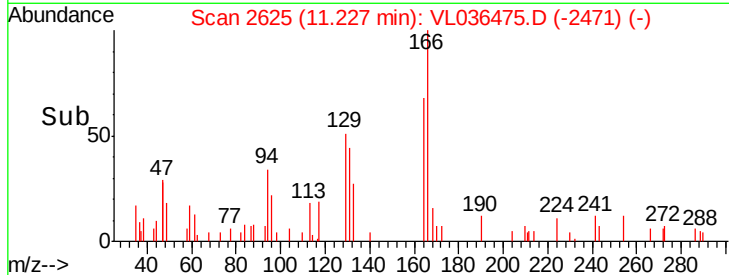
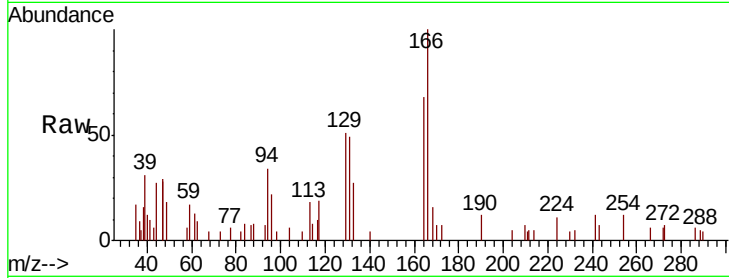
131 72.5 80.9 121.3#

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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: VL036475.D

Acq: 25 Mar 2021 5:10

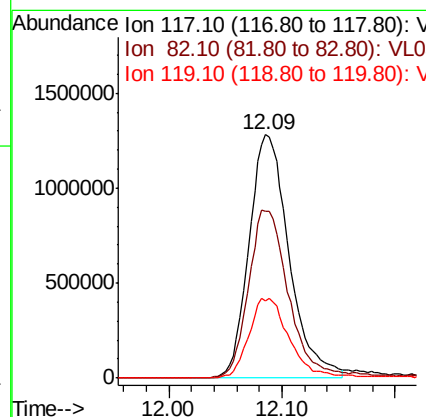
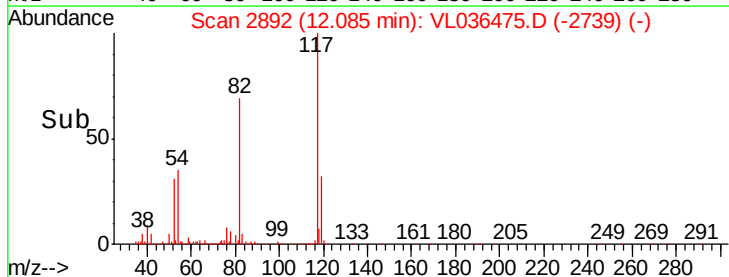
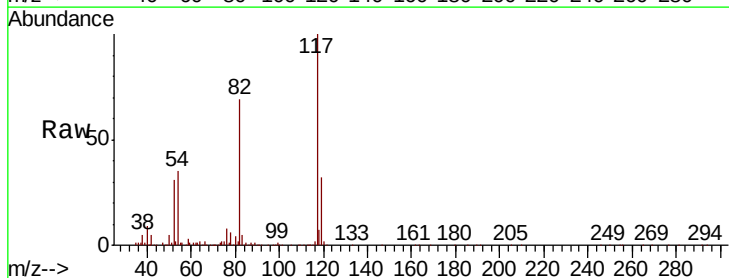
Tgt Ion:117 Resp: 3151777

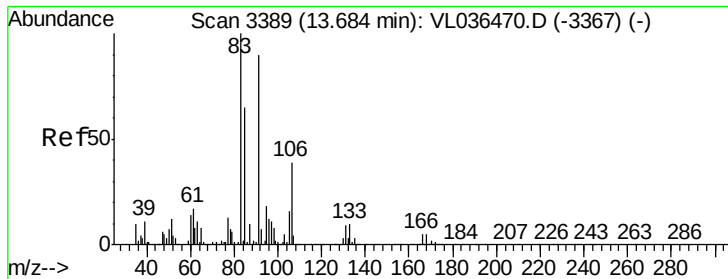
Ion Ratio Lower Upper

117 100

82 72.1 57.4 86.0

119 34.0 47.4 71.2#



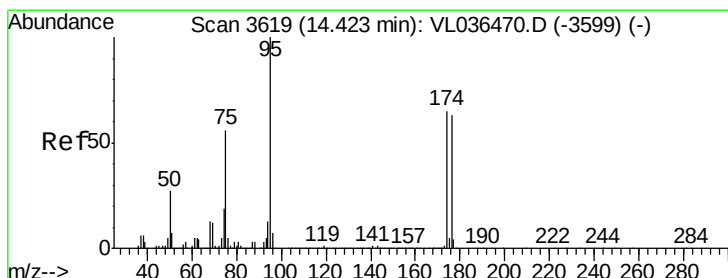
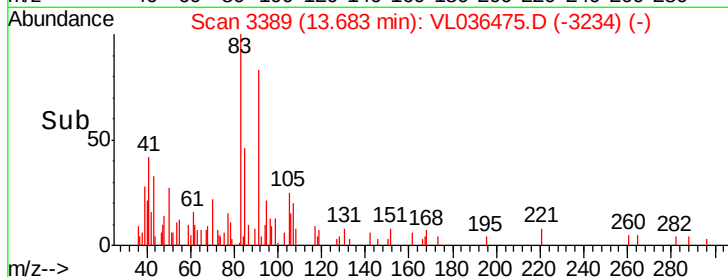
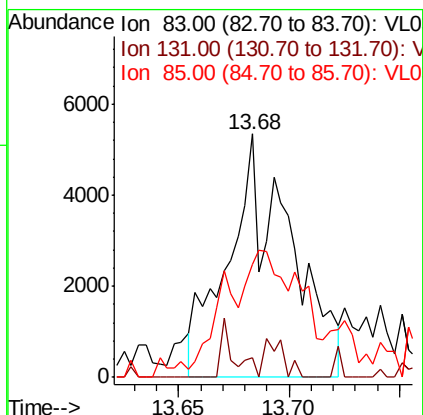
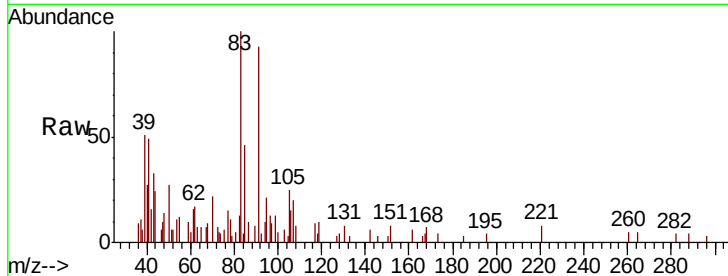


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.039 ppbv m
 RT: 13.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.03
 Acq: 25 Mar 2021 5:10

Tot Ion:
 Ion Ratio
 83 100
 131 0.
 85 77.

Manual Integrations
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 Supervised By :Mahesh Dadoda 03/29/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.716 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036475.D
 Acq: 25 Mar 2021 5:10

Tgt Ion: 95 Resp: 2516660
 Ion Ratio Lower Upper
 95 100
 174 65.4 51.0 76.6
 175 4.8 3.9 5.9

