

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036437.D
 Acq On : 3 Mar 2021 12:05
 Operator : SY/AP
 Sample : VSTDICC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/04/2021
 Supervised By :Mahesh Dadoda 03/04/2021

Quant Time: Mar 03 14:06:51 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Mar 03 10:40:25 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1754668	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3907141	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3517198	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2968808	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	7855m	0.080	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	26983m	0.105	ppbv	
35) Carbon Tetrachloride	7.02	117	25033m	0.096	ppbv	
38) Trichloroethene	7.84	130	11355m	0.096	ppbv	
52) Tetrachloroethene	11.24	164	11899m	0.098	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	30893m	0.097	ppbv	

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

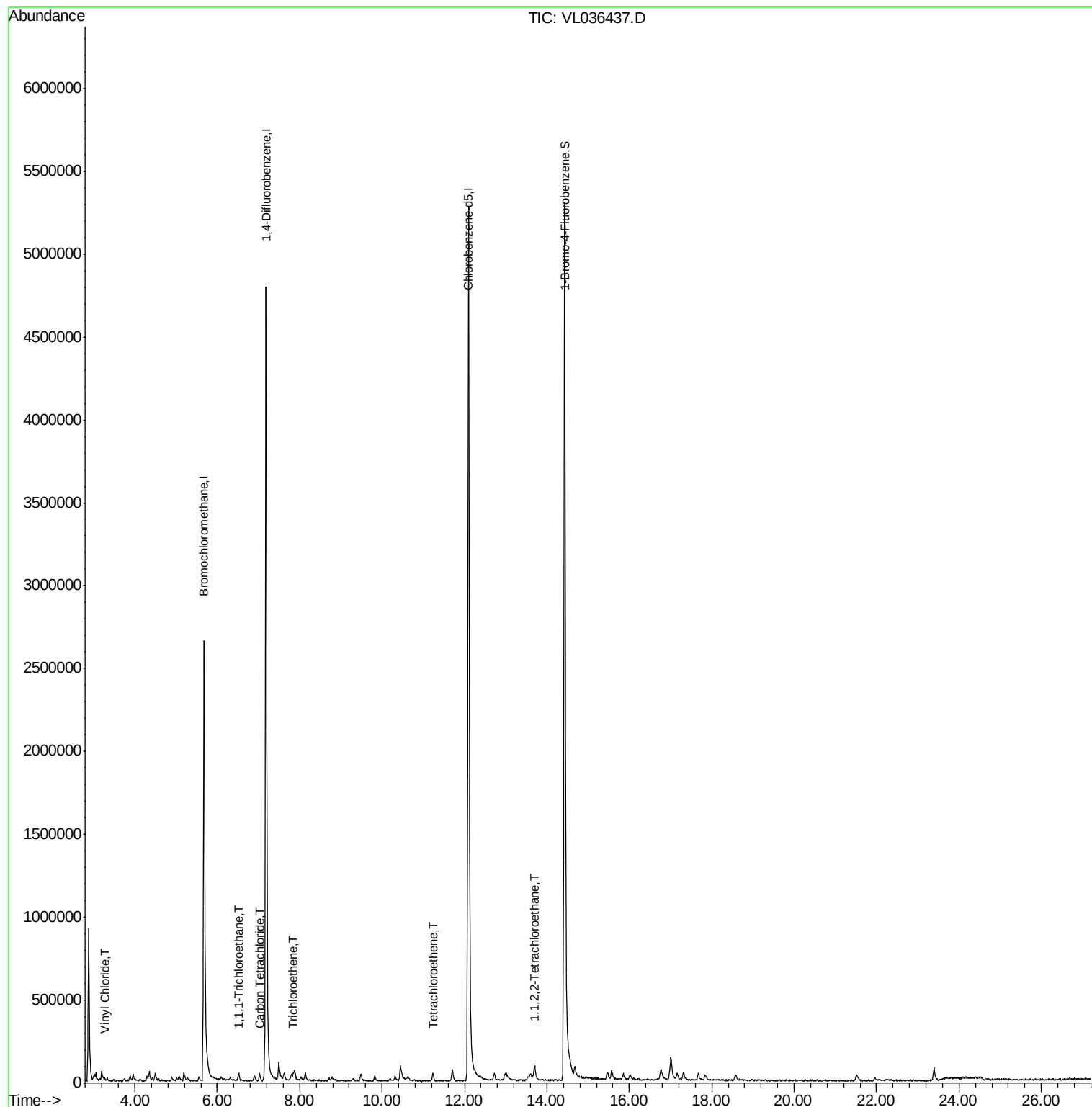
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030321\
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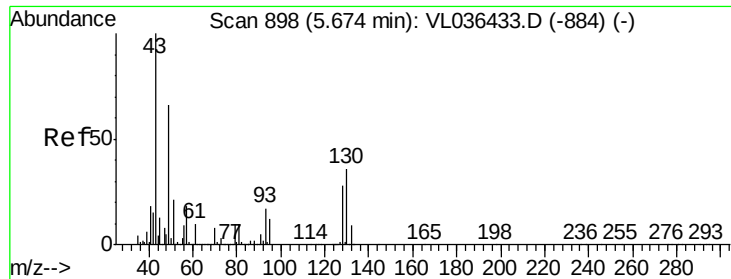
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Time: Mar 03 14:06:51 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030321
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC0.1

Acq: 3 Mar 2021 12:05

Tot Ion:

Ion Ratio

49 100

128 43.

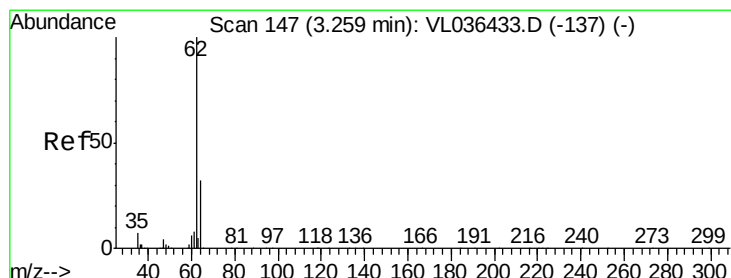
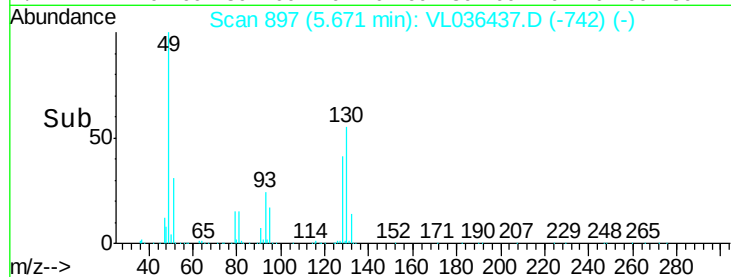
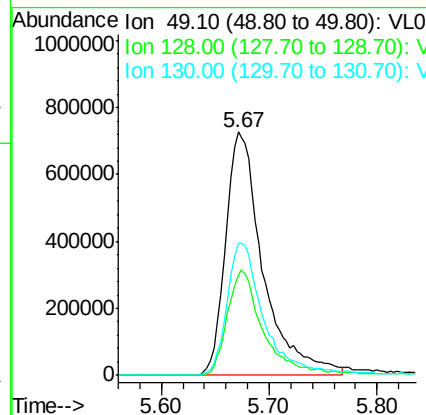
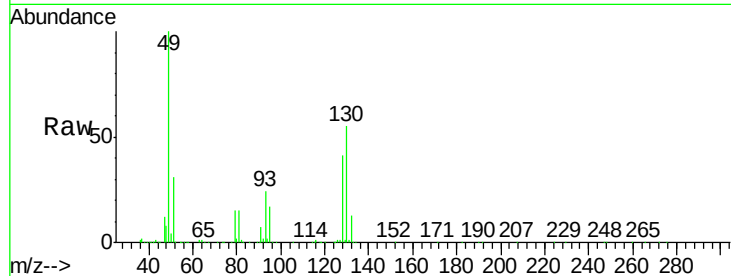
130 55.

Manual Integrations

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#5

Vinyl Chloride

Concen: 0.080 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL036437.D

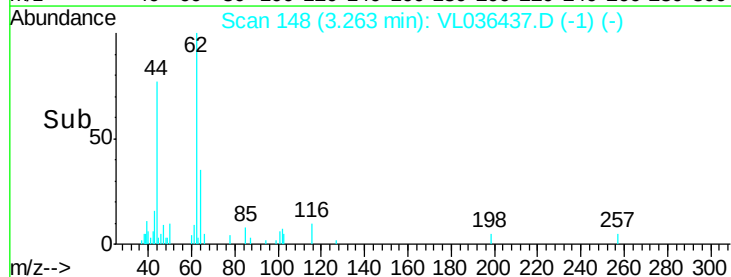
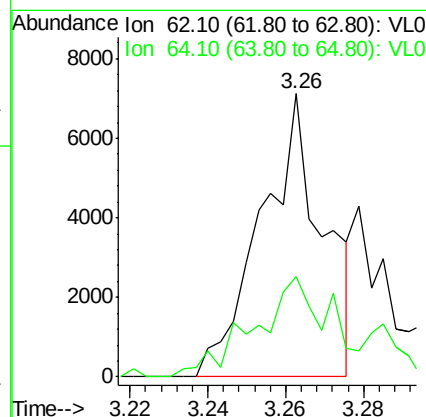
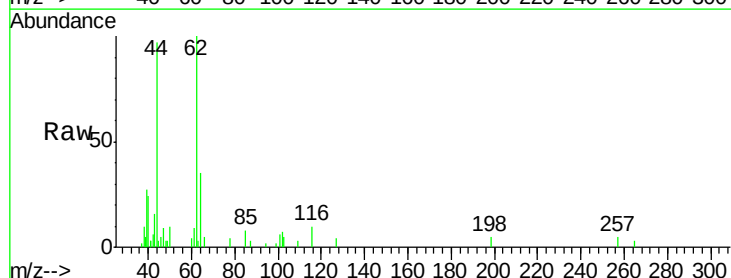
Acq: 3 Mar 2021 12:05

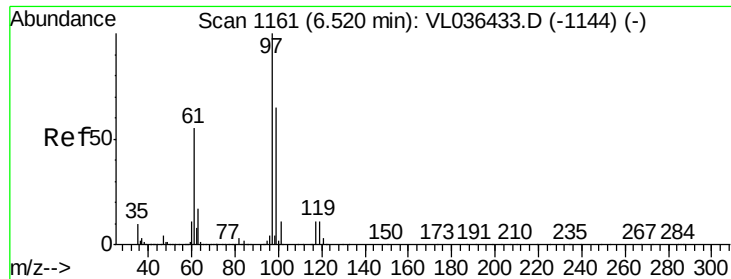
Tgt Ion: 62 Resp: 7855

Ion Ratio Lower Upper

62 100

64 35.4 25.4 38.2



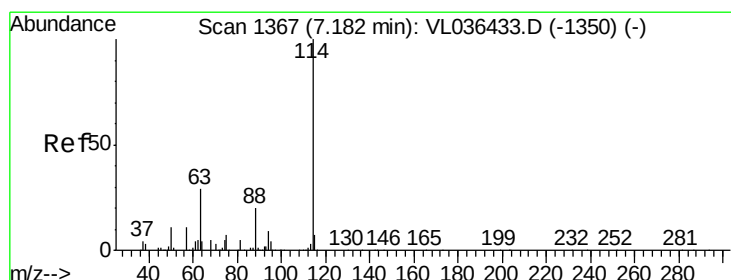
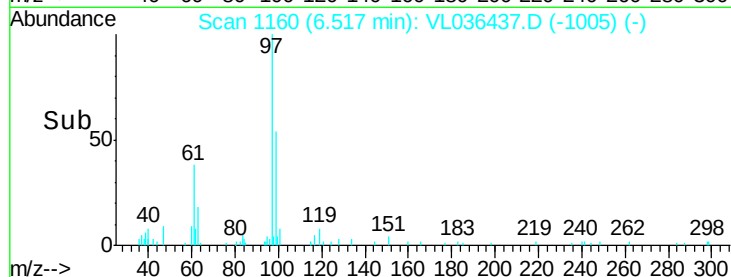
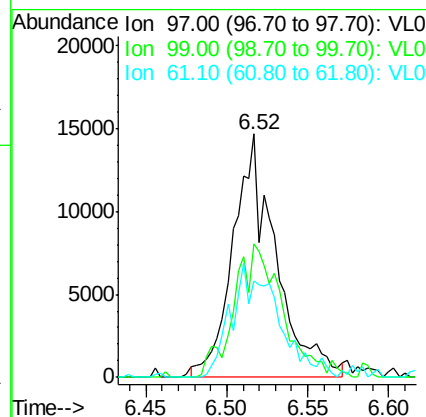
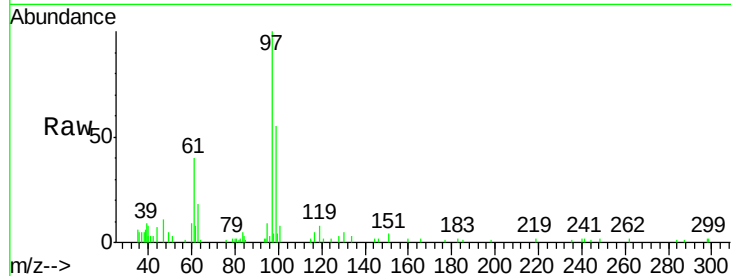


#32
 1,1,1-Trichloroethane
 Concen: 0.105 ppbv m
 RT: 6.52
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.1
 Acq: 3 Mar 2021 12:05

Tot Ion:
 Ion Ratio
 97 100
 99 64.
 61 51.

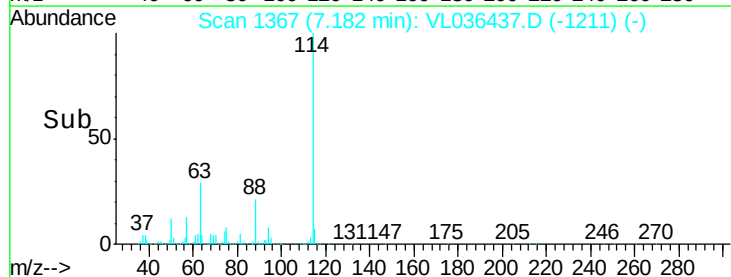
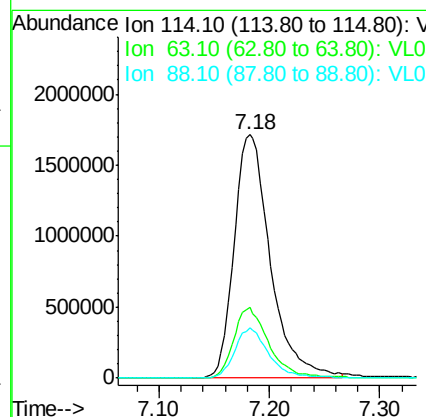
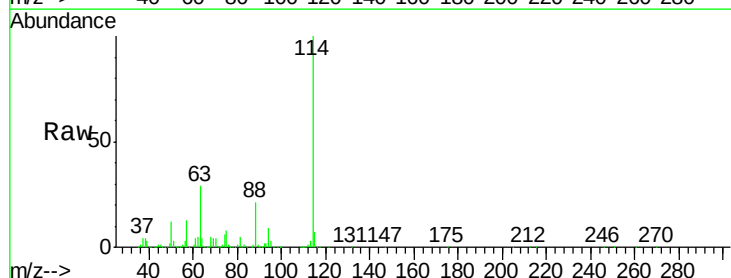
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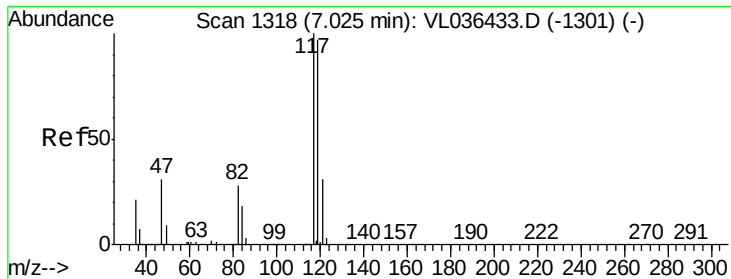
Reviewed By :Semsettin Yesilyurt 03/04/2021
 Supervised By :Mahesh Dadoda 03/04/2021



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL036437.D
 Acq: 3 Mar 2021 12:05

Tgt Ion:114 Resp: 3907141
 Ion Ratio Lower Upper
 114 100
 63 28.7 23.3 34.9
 88 19.7 15.6 23.4





#35

Carbon Tetrachloride

Concen: 0.096 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:05 VSTDIC0.1

Tot Ion:1

Ion Rati

117 100

119 75.

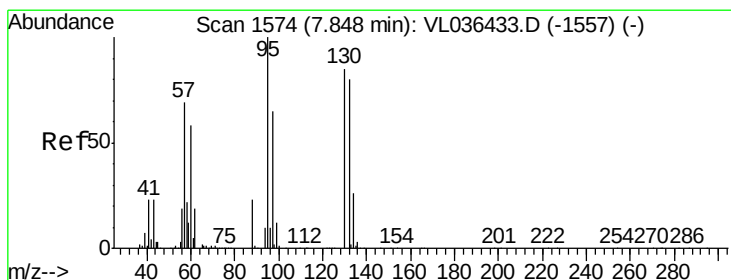
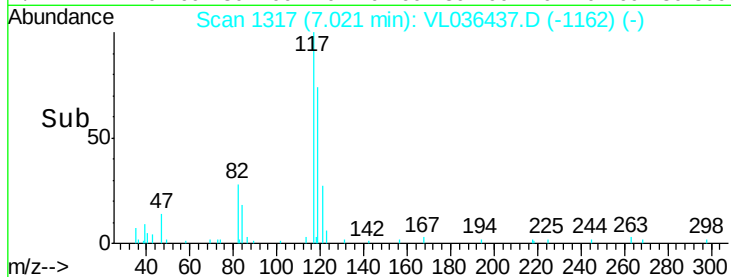
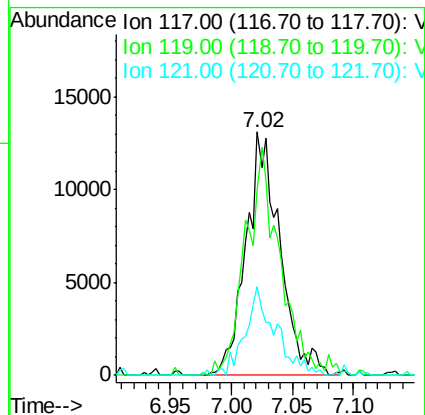
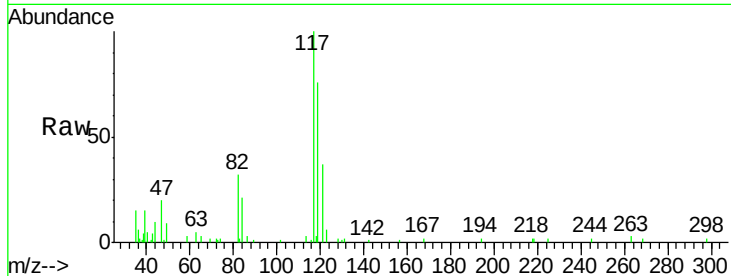
121 36.

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#38

Trichloroethene

Concen: 0.096 ppbv m

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL036437.D

Acq: 3 Mar 2021 12:05

Tgt Ion:130 Resp: 11355

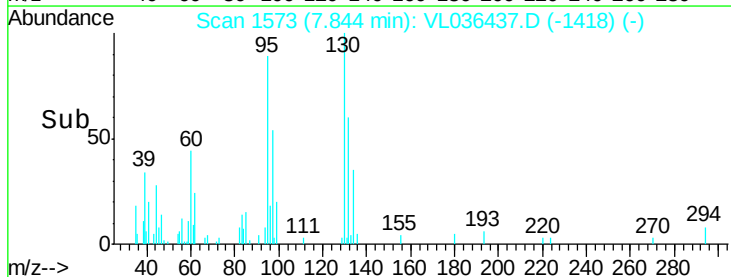
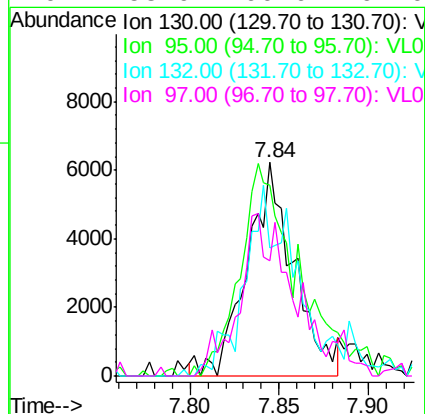
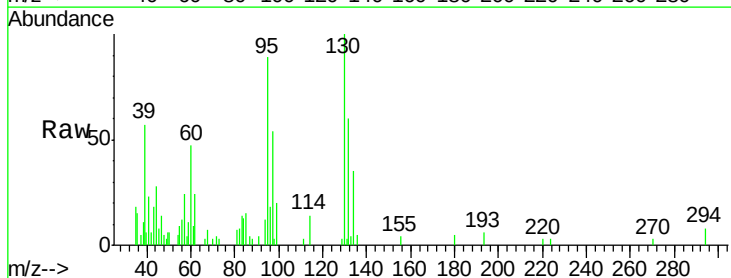
Ion Ratio Lower Upper

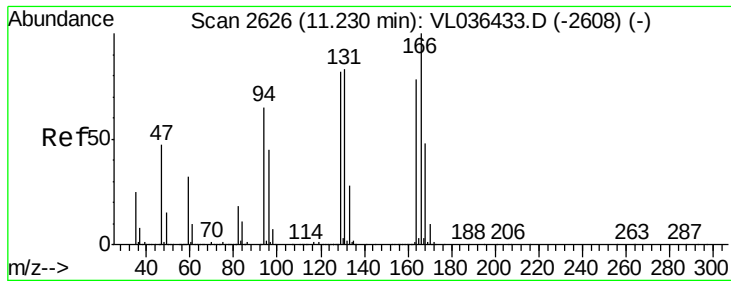
130 100

95 89.3 93.8 140.8#

132 59.9 74.6 112.0#

97 53.9 60.6 91.0#





#52

Tetrachloroethene

Concen: 0.098 ppbv m

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:05

Tot Ion:1

Ion Ratio

164 100

166 73.

129 93.

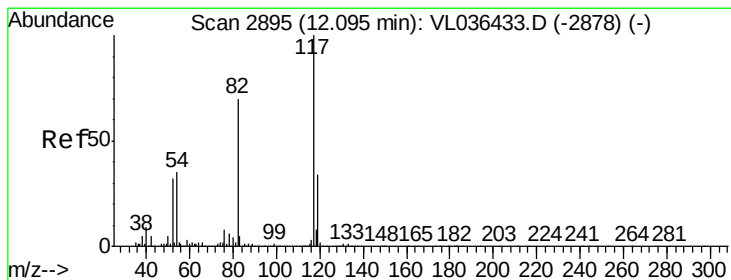
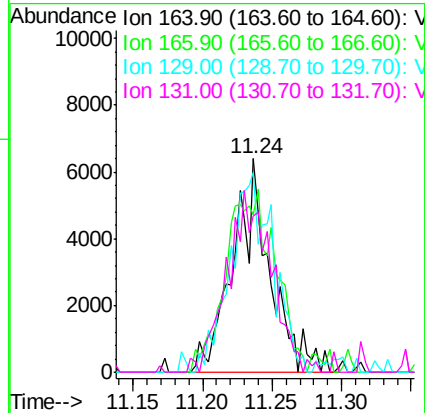
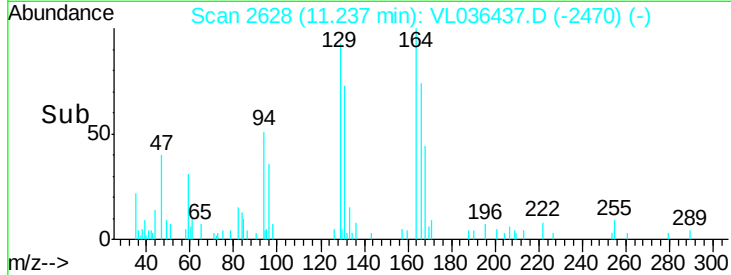
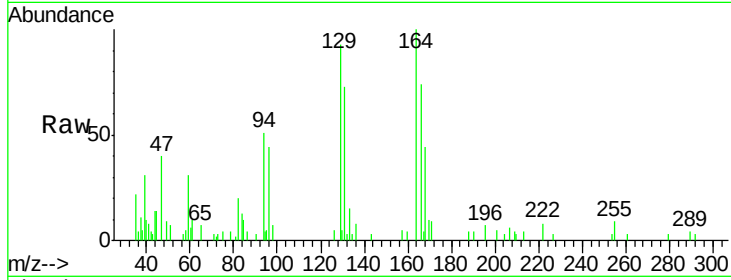
131 73.4 84.4 126.6#

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Supervised By :Mahesh Dadoda 03/04/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL036437.D

Acq: 3 Mar 2021 12:05

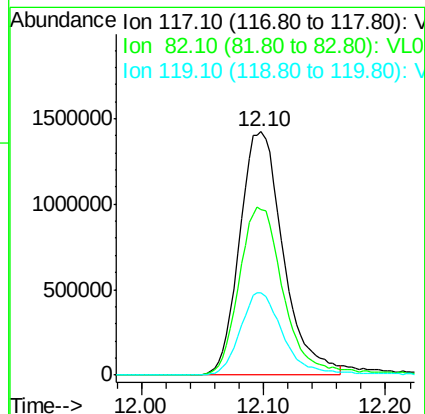
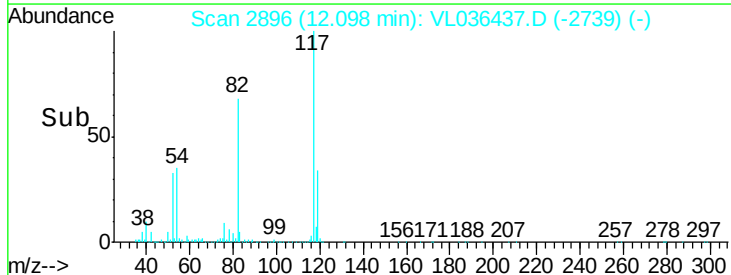
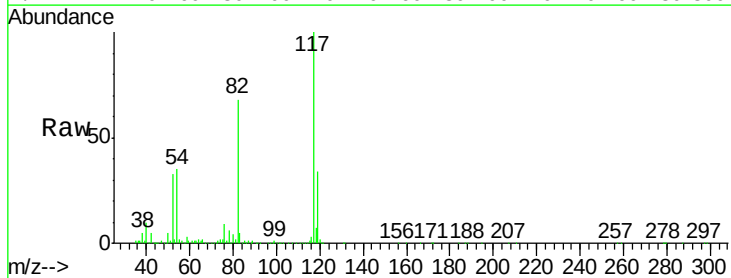
Tgt Ion:117 Resp: 3517198

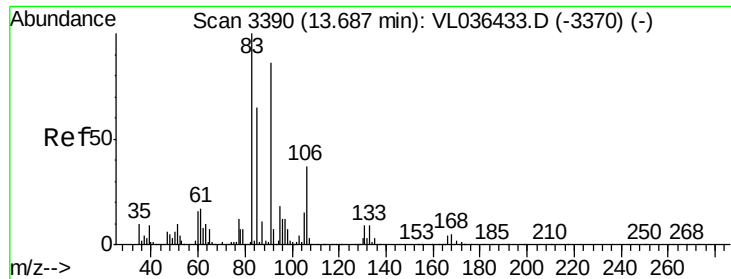
Ion Ratio Lower Upper

117 100

82 72.7 56.5 84.7

119 34.1 27.0 40.4



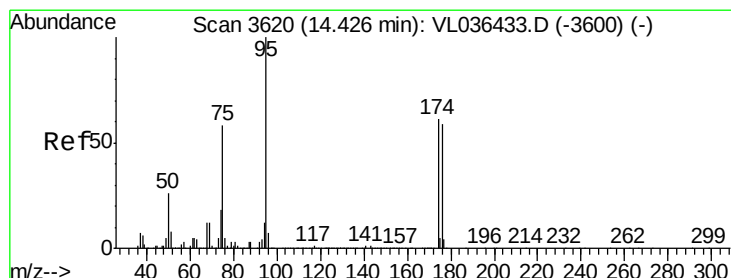
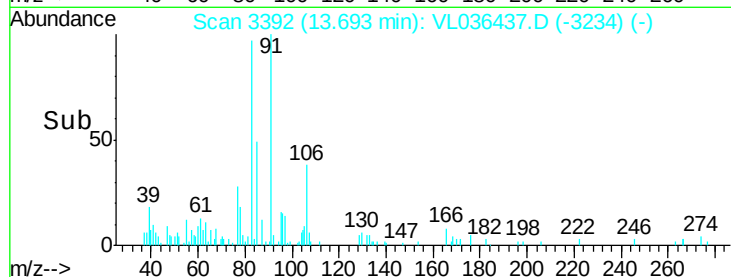
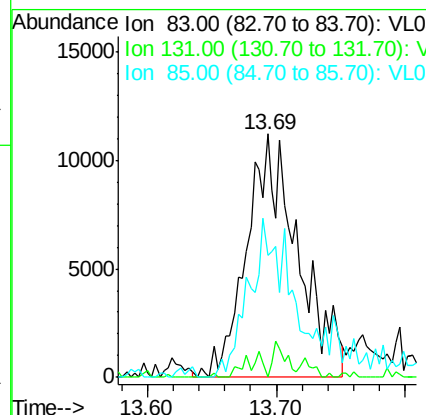
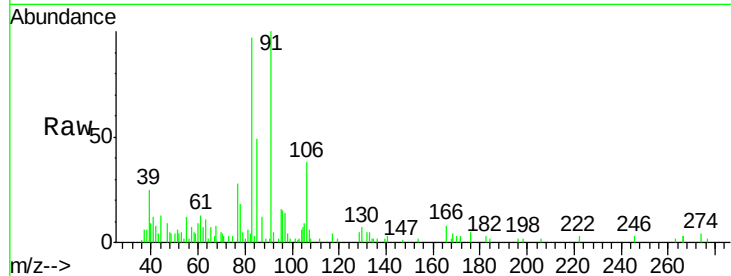


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv m
 RT: 13.69
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2021 12:05

Tot Ion:
 Ion Ratio
 83 100
 131 0.
 85 58.

Manual Integrations
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 Supervised By :Mahesh Dadoda 03/04/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.259 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.00 min
 Lab File: VL036437.D
 Acq: 3 Mar 2021 12:05

Tgt Ion: 95 Resp: 2968808
 Ion Ratio Lower Upper
 95 100
 174 63.1 51.0 76.4
 175 4.6 3.8 5.6

