

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038088.D
 Acq On : 19 Nov 2021 16:55
 Operator : SY/AP
 Sample : M4751-01DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/28/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 25 21:03:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	812638	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2272329	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1861269	10.00	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1438383	10.71	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%
Target Compounds						Ovalue
31) cis-1,2-Dichloroethene	5.53	61	68610m	0.639	ppbv	
38) Trichloroethene	7.81	130	76868m	0.899	ppbv	
52) Tetrachloroethene	11.19	164	1748290	20.845	ppbv	99

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

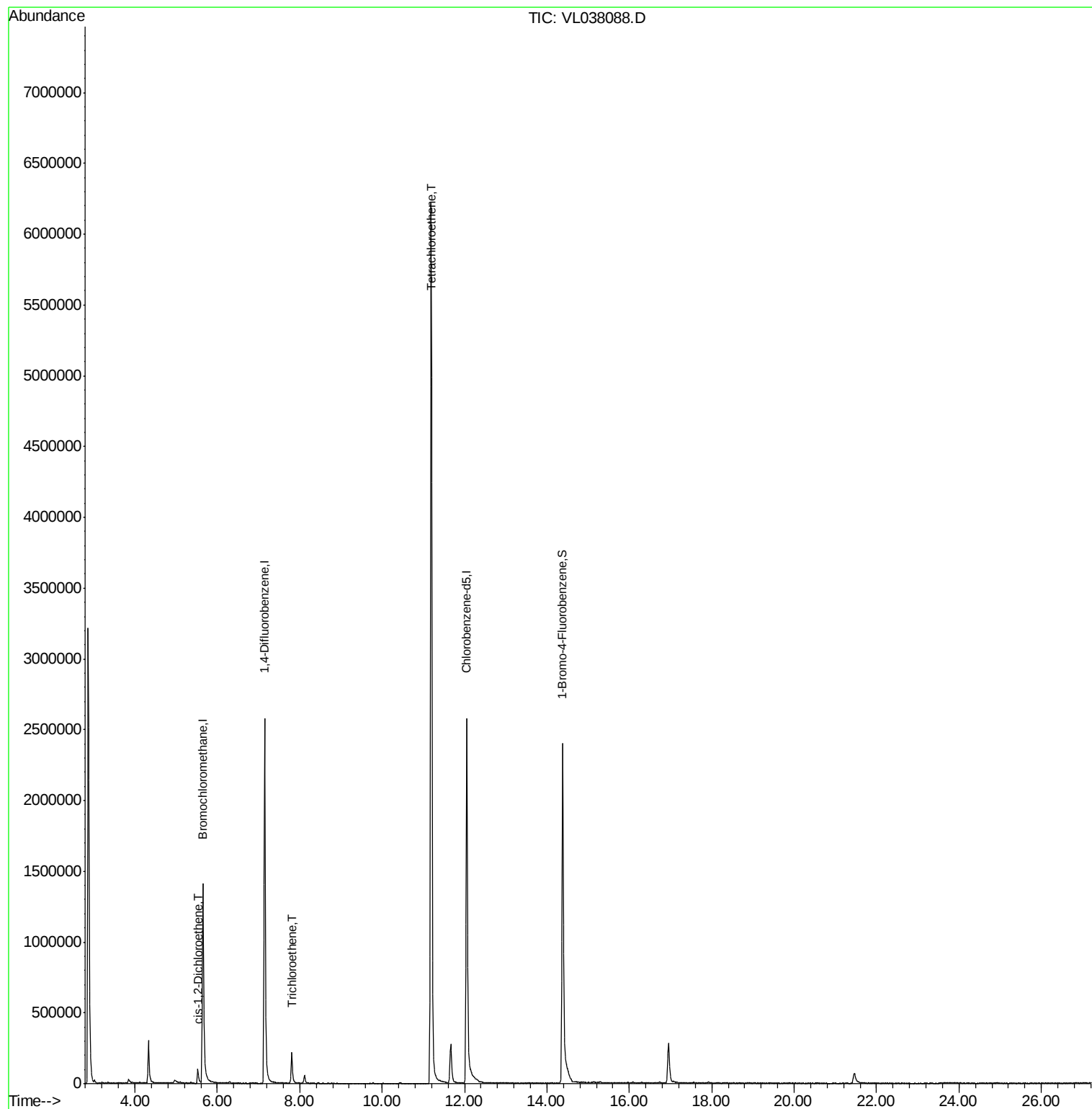
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\
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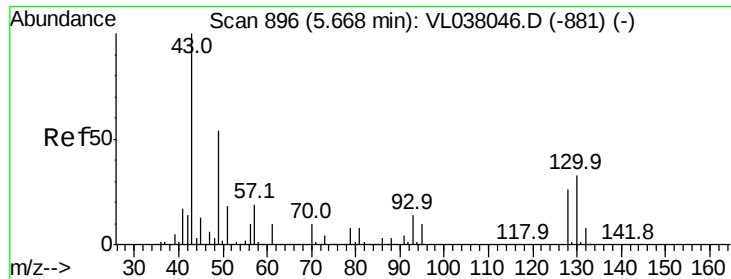
Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL2

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Quant Time: Nov 25 21:03:52 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SVP-1DL2

Acq: 19 Nov 2021 16:55

Tot Ion:

Ion Ratio

49 100

128 48.

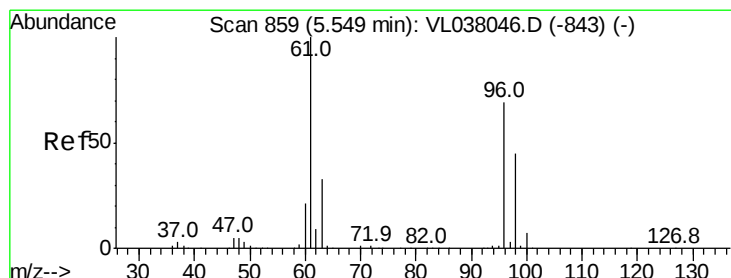
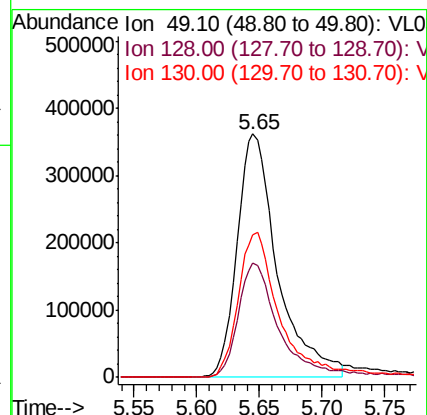
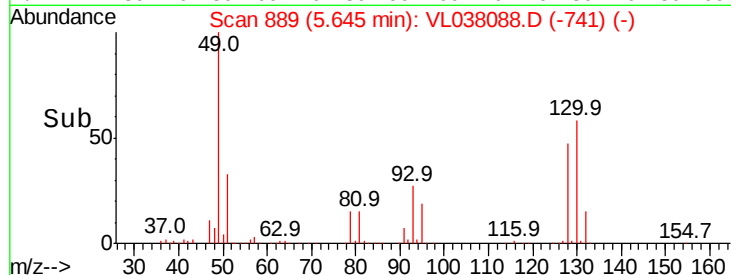
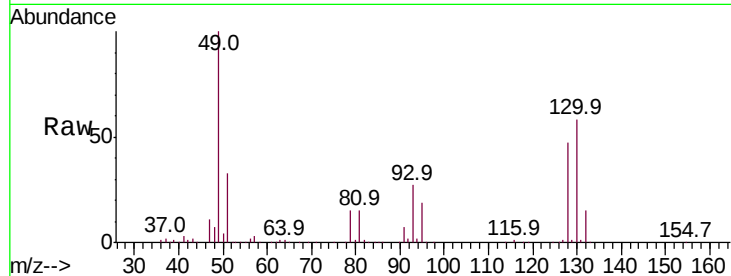
130 62.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#31

cis-1,2-Dichloroethene

Concen: 0.639 ppbv m

RT: 5.53 min Scan# 853

Delta R.T. -0.02 min

Lab File: VL038088.D

Acq: 19 Nov 2021 16:55

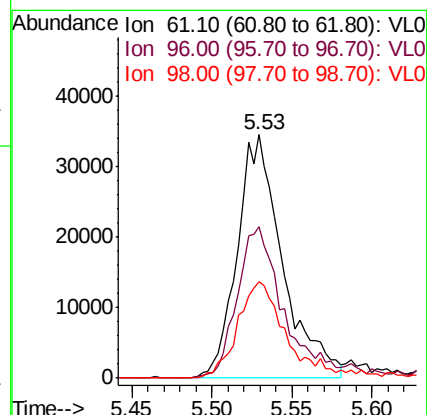
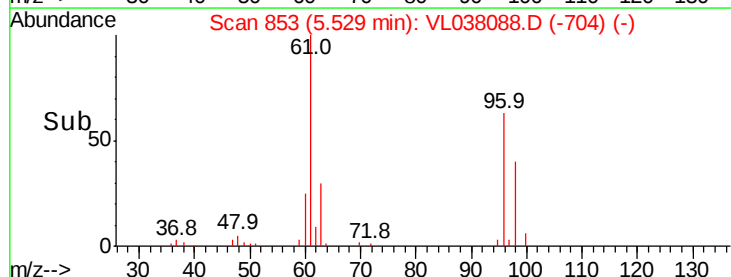
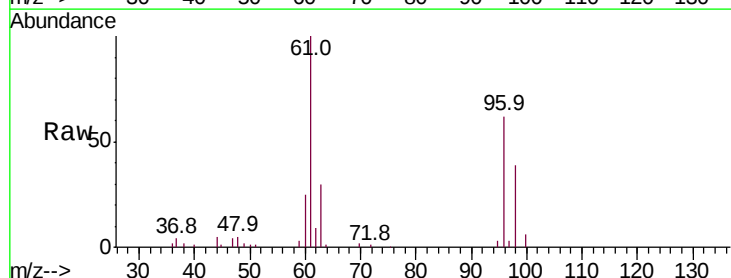
Tgt Ion: 61 Resp: 68610

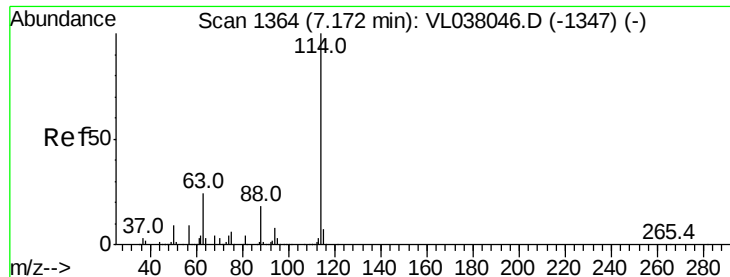
Ion Ratio Lower Upper

61 100

96 62.4 55.4 83.2

98 39.4 35.7 53.5



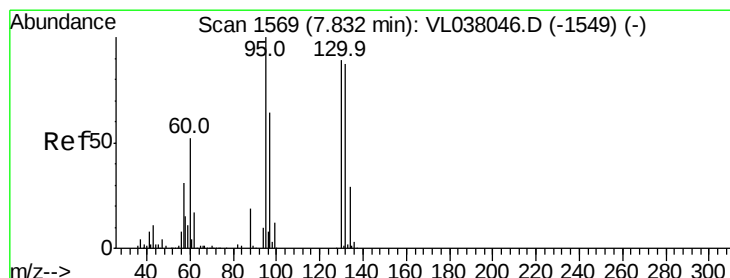
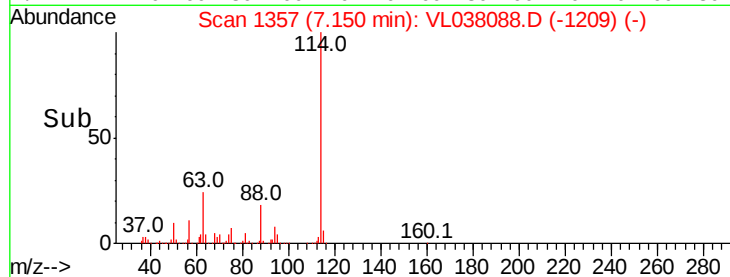
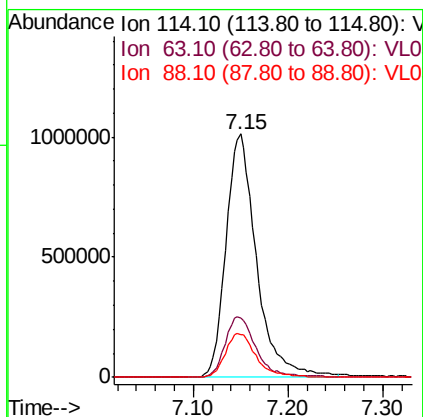
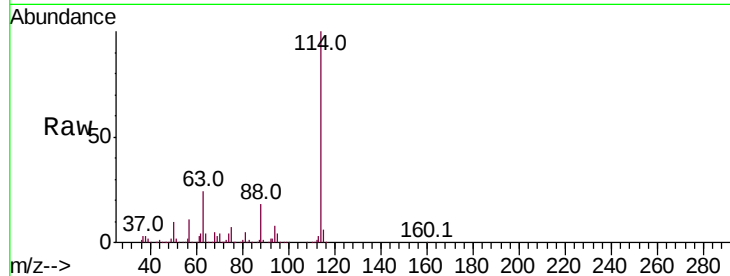


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-1DL2
 Acq: 19 Nov 2021 16:55

Tot Ion:1
 Ion Rati
 114 100
 63 25.
 88 18.

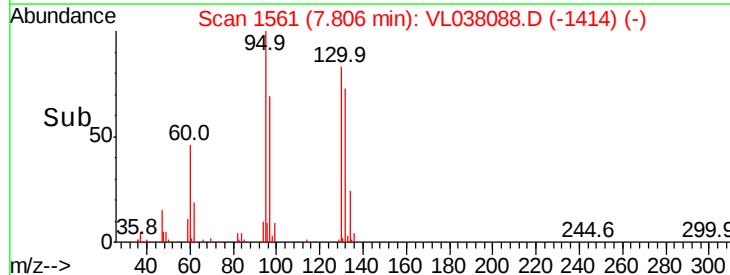
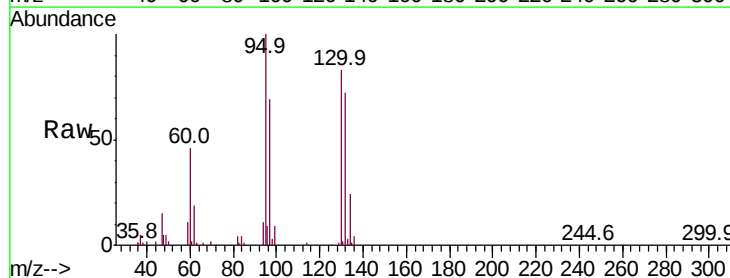
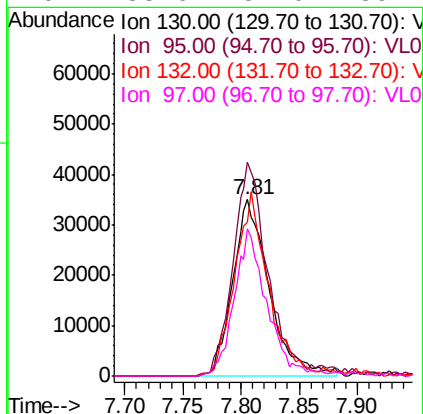
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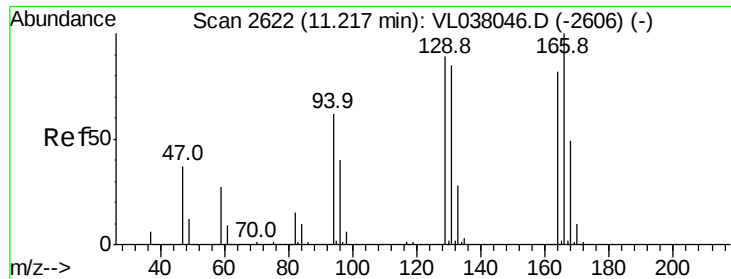
Reviewed By :Semsettin Yesilyurt 11/28/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#38
 Trichloroethene
 Concen: 0.899 ppbv m
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: VL038088.D
 Acq: 19 Nov 2021 16:55

Tgt Ion:130 Resp: 76868
 Ion Ratio Lower Upper
 130 100
 95 121.1 89.4 134.2
 132 87.3 78.2 117.2
 97 83.6 57.0 85.4





#52

Tetrachloroethene

Concen: 20.845 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File:

Acq: 19 Nov 2021 16:55

ClientSampleId :

SVP-1DL2

Tot Ion:1

Ion Rati

164 100

166 121.

129 107.

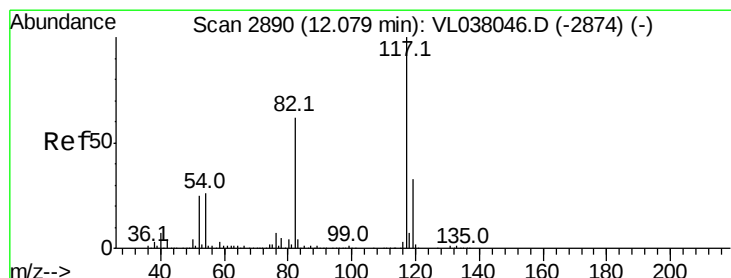
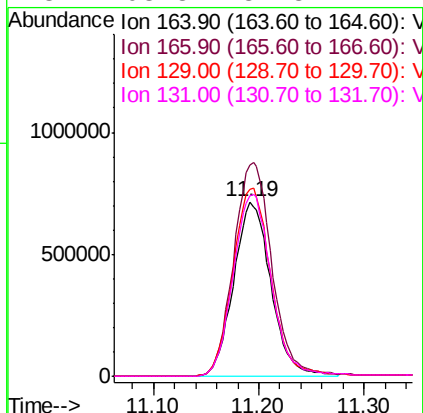
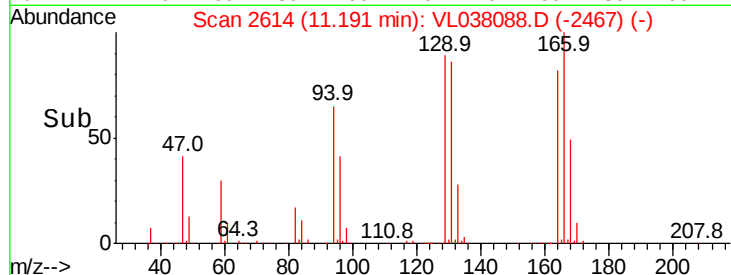
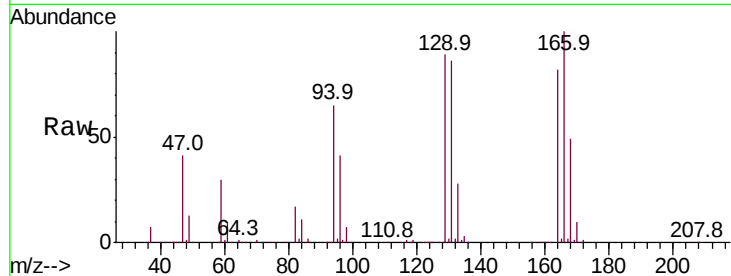
131 103.8

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2882

Delta R.T. -0.03 min

Lab File: VL038088.D

Acq: 19 Nov 2021 16:55

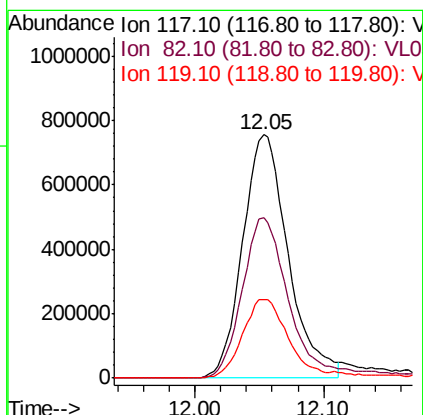
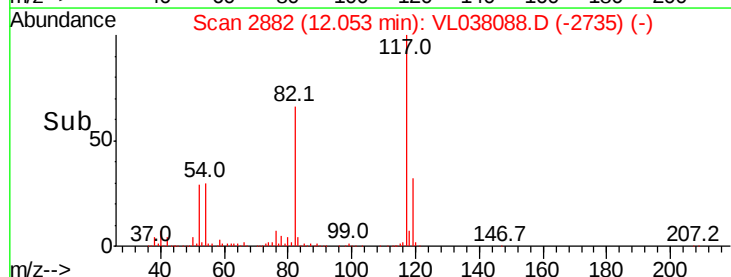
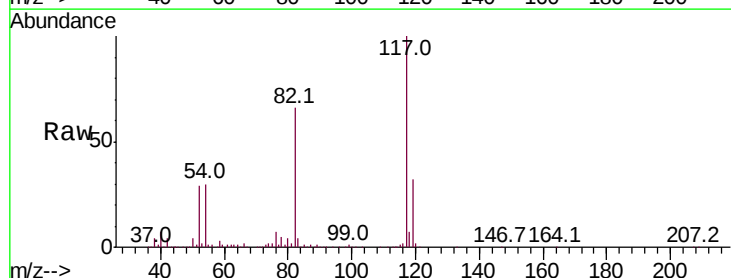
Tgt Ion:117 Resp: 1861269

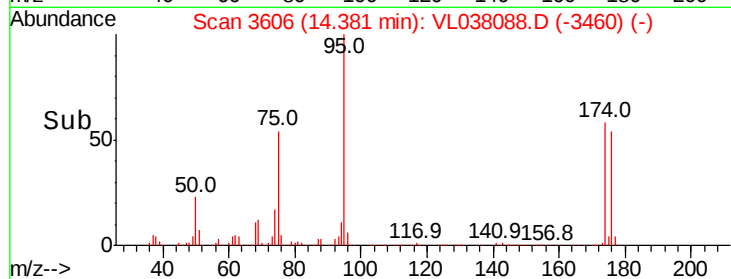
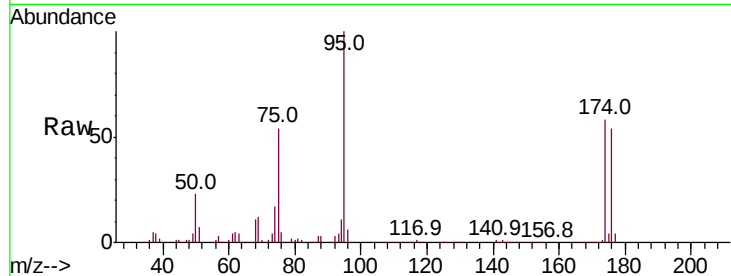
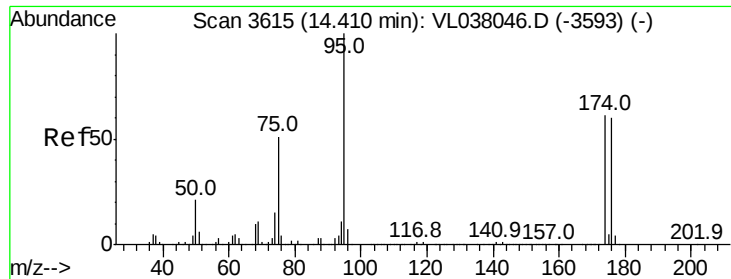
Ion Ratio Lower Upper

117 100

82 71.9 52.8 79.2

119 35.2 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.714 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 10:35

Tot Ion:

Ion Ratio

95 100

174 63.

175 4.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021

