

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038027.D
 Acq On : 16 Nov 2021 4:19
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 16 09:30:08 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	912634	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3066541	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2783949	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2051263	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	7307m	0.113	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	22073m	0.134	ppbv	
35) Carbon Tetrachloride	7.01	117	22586m	0.120	ppbv	
38) Trichloroethene	7.83	130	13627m	0.131	ppbv	
52) Tetrachloroethene	11.22	164	12603m	0.133	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	27907m	0.115	ppbv	

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

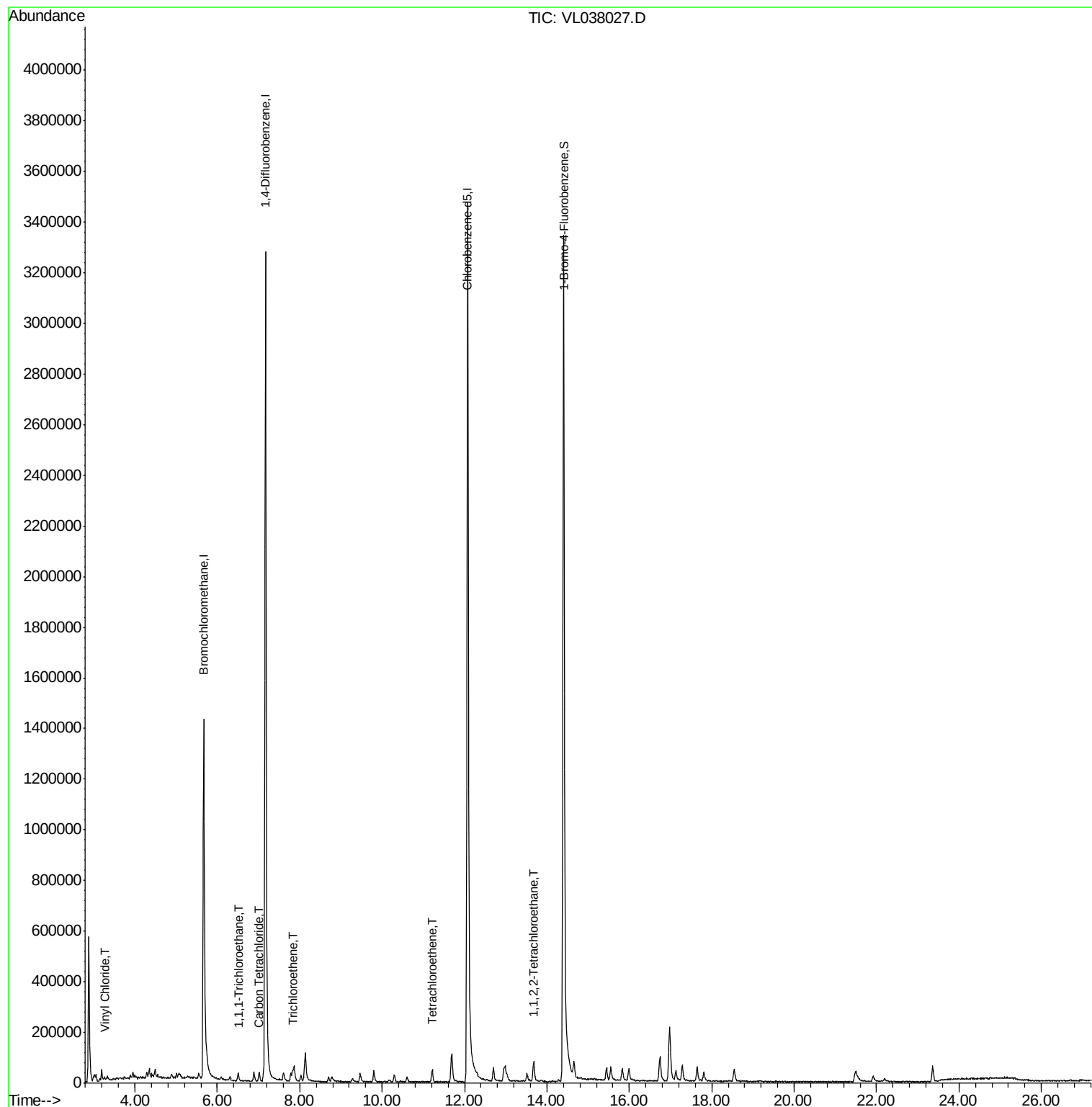
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111621\
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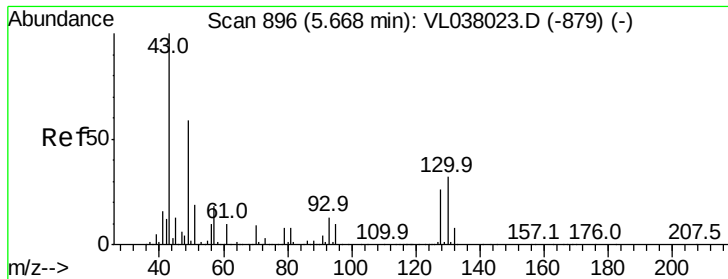
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.1

Acq: 16 Nov 2021 4:19

Tot Ion:

Ion Ratio

49 100

128 50.

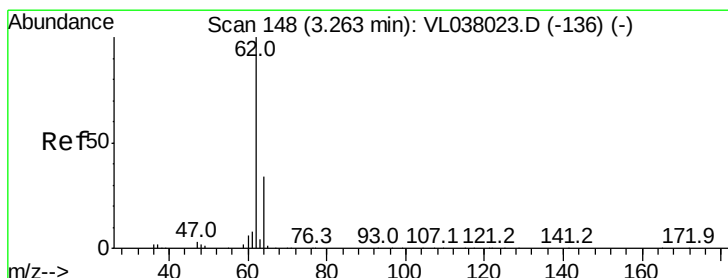
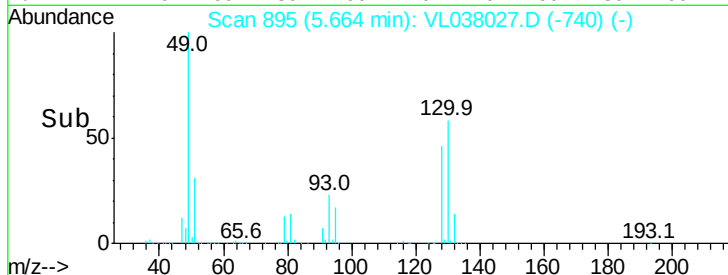
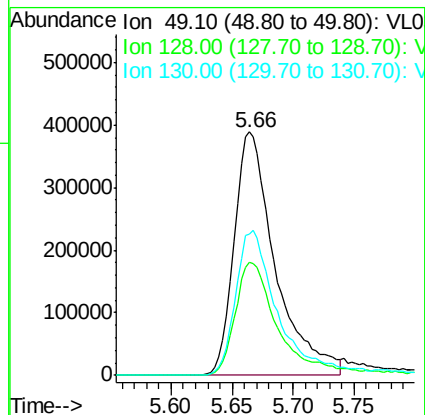
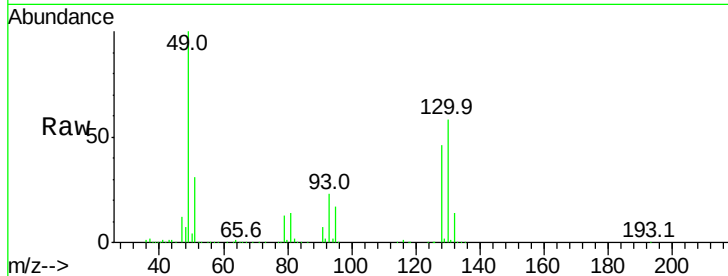
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#5

Vinyl Chloride

Concen: 0.113 ppbv m

RT: 3.26 min Scan# 148

Delta R.T. 0.00 min

Lab File: VL038027.D

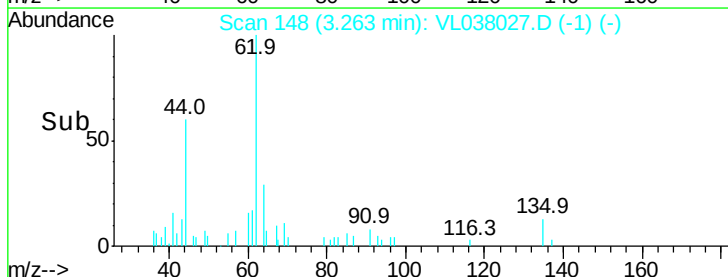
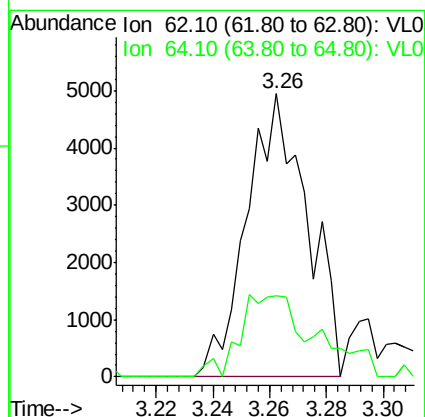
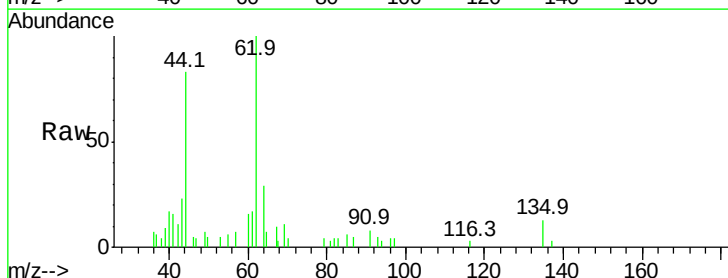
Acq: 16 Nov 2021 4:19

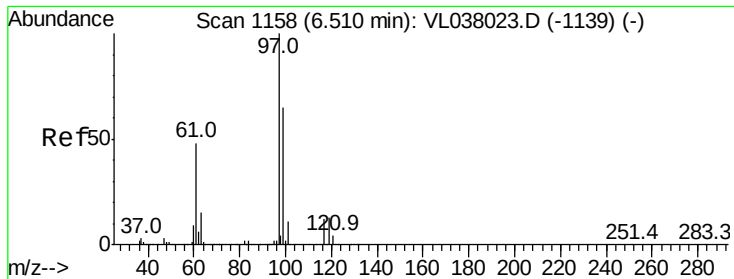
Tgt Ion: 62 Resp: 7307

Ion Ratio Lower Upper

62 100

64 28.6 27.4 41.0





#32

1,1,1-Trichloroethane

Concen: 0.134 ppbv

RT: 6.51

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 16 Nov 2021 4:19

Tot Ion:

Ion Ratio

97 100

99 63.

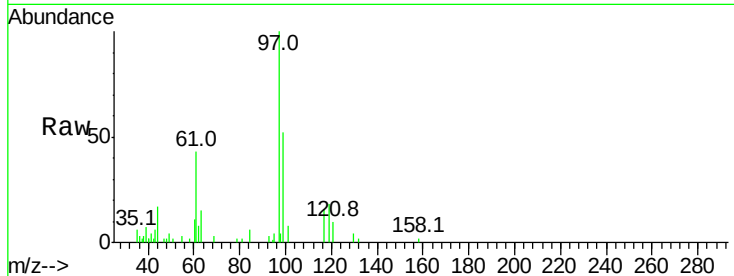
61 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

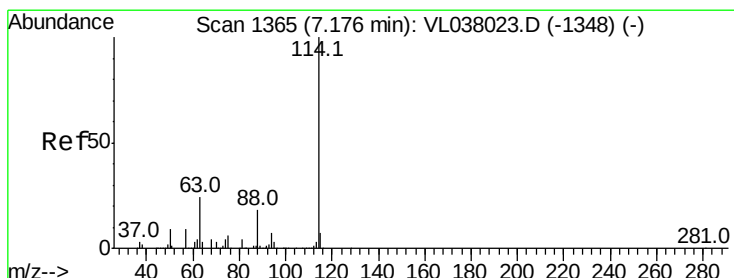
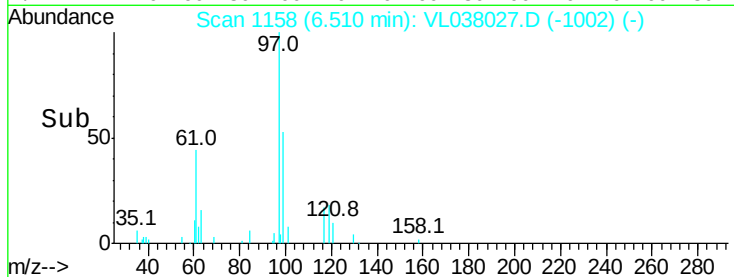
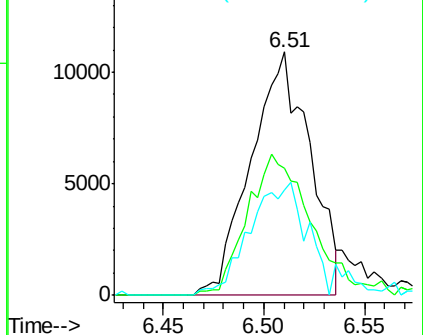
Supervised By :Mahesh Dadoda 11/17/2021



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: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL038027.D

Acq: 16 Nov 2021 4:19

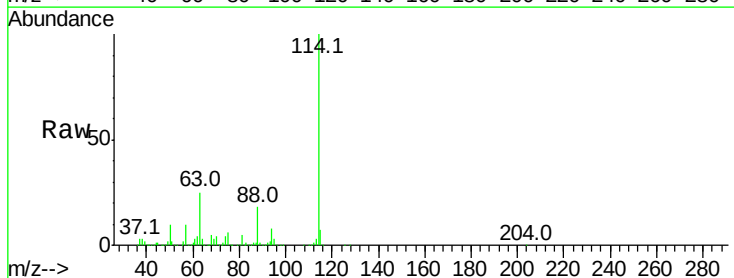
Tgt Ion:114 Resp: 3066541

Ion Ratio Lower Upper

114 100

63 24.2 19.8 29.6

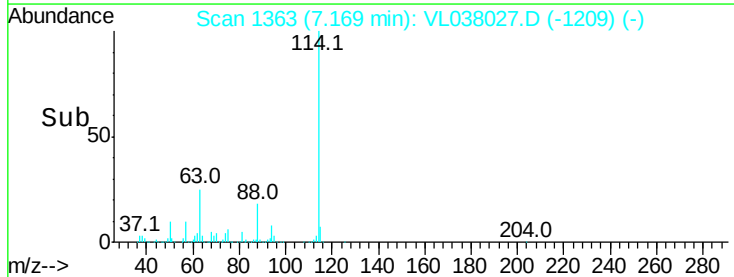
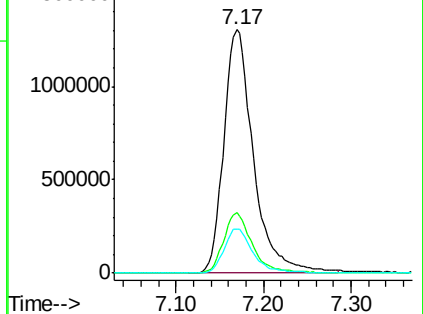
88 18.3 14.6 21.8

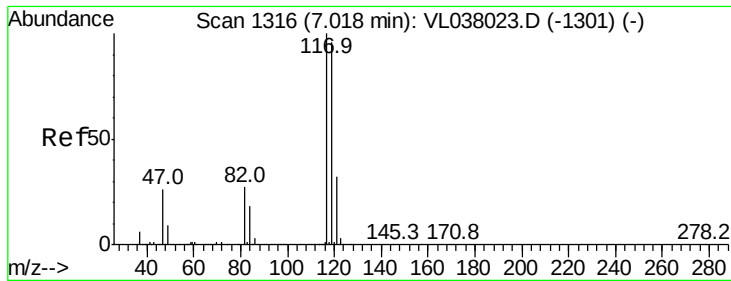


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.120 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:19 VSTDIC0.1

Tot Ion:1

Ion Rati

117 100

119 87.

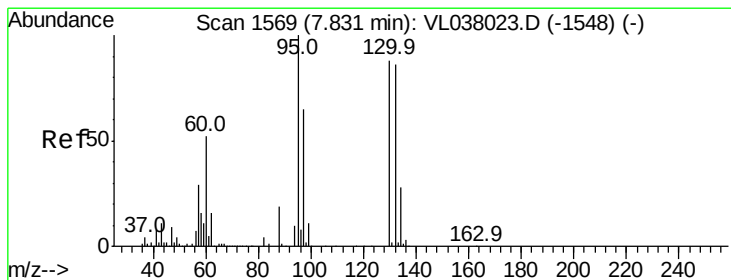
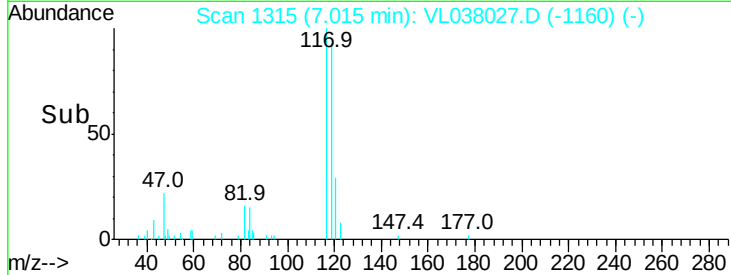
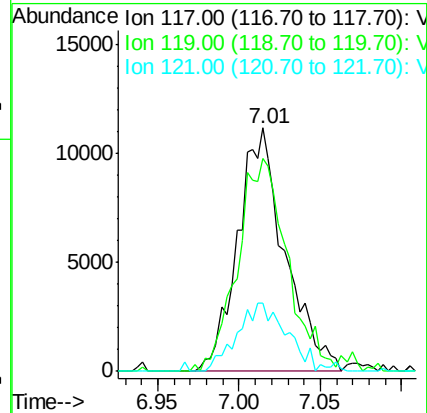
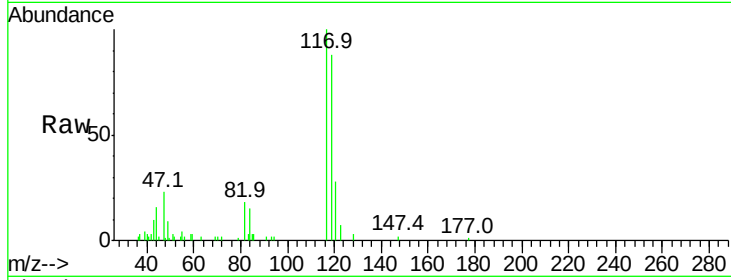
121 28.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#38

Trichloroethene

Concen: 0.131 ppbv m

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL038027.D

Acq: 16 Nov 2021 4:19

Tgt Ion:130 Resp: 13627

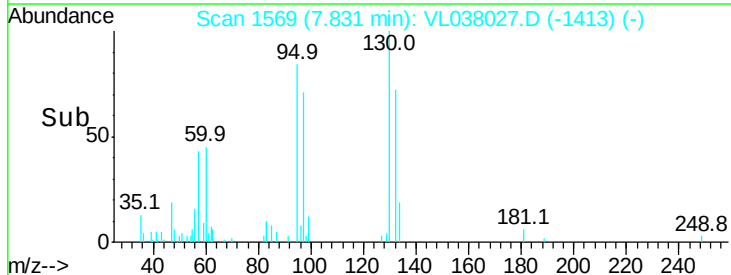
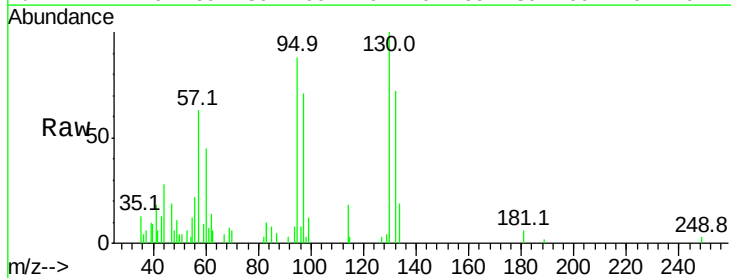
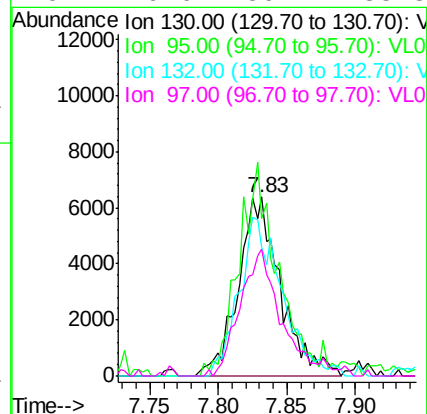
Ion Ratio Lower Upper

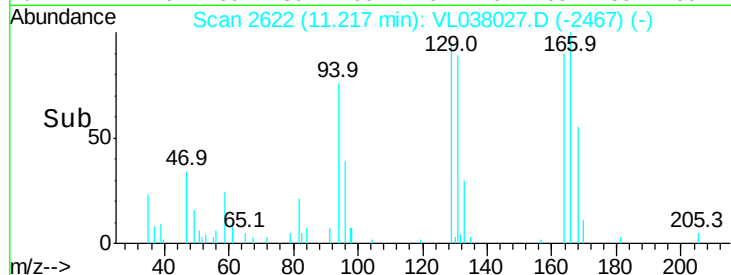
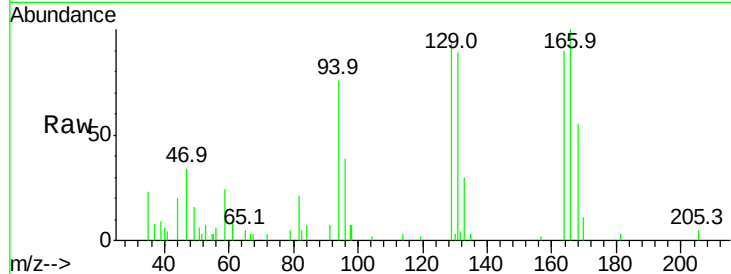
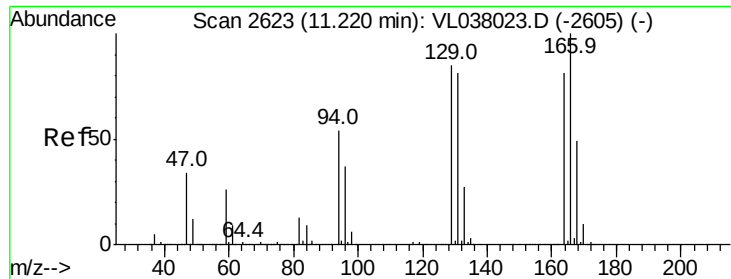
130 100

95 88.3 90.5 135.7#

132 72.0 77.4 116.0#

97 70.6 59.2 88.8





#52

Tetrachloroethene

Concen: 0.133 ppbv m

RT: 11.22

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 4:19

Tot Ion:1

Ion Ratio

164 100

166 111.

129 104.

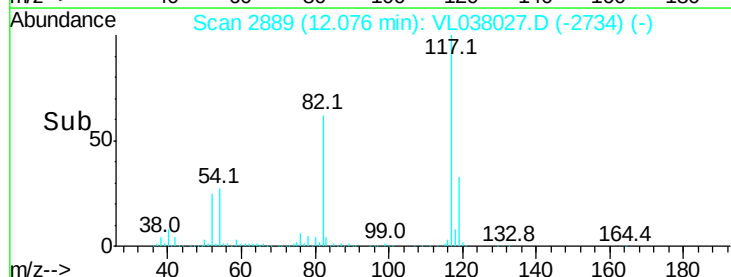
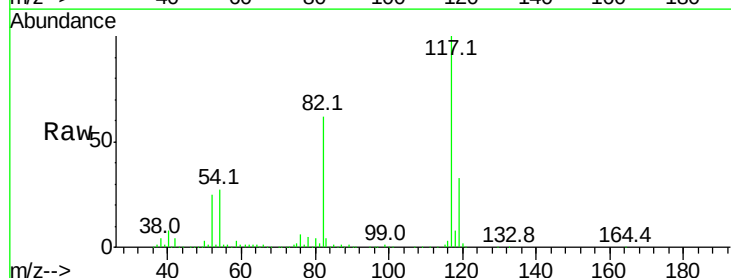
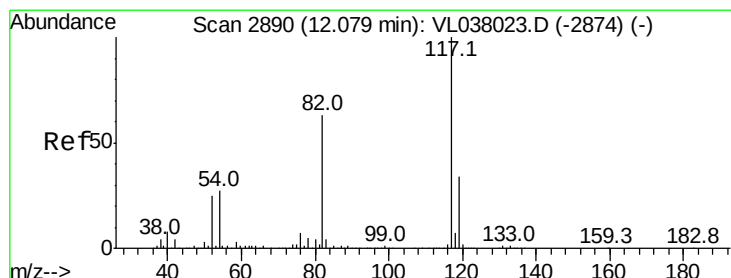
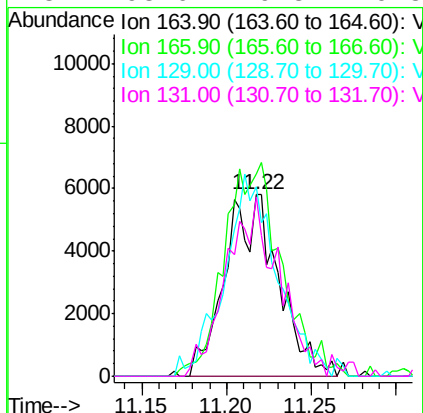
131 98.6

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL038027.D

Acq: 16 Nov 2021 4:19

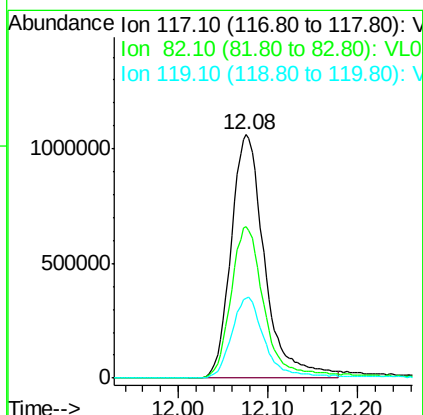
Tgt Ion:117 Resp: 2783949

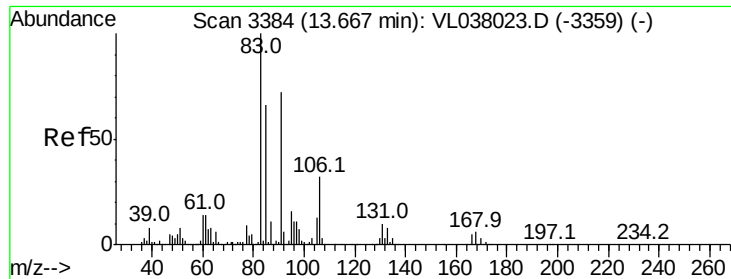
Ion Ratio Lower Upper

117 100

82 64.2 50.0 75.0

119 34.7 44.9 67.3#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.115 ppbv m

RT: 13.67

Delta R.T. MSVOA_L

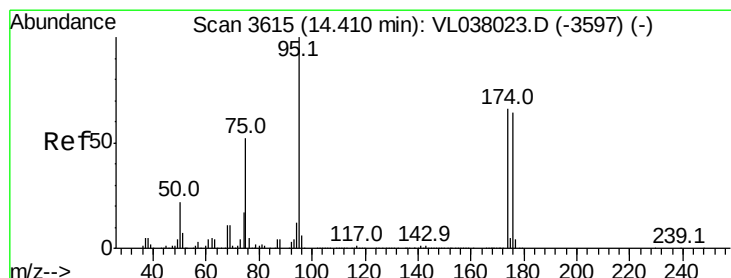
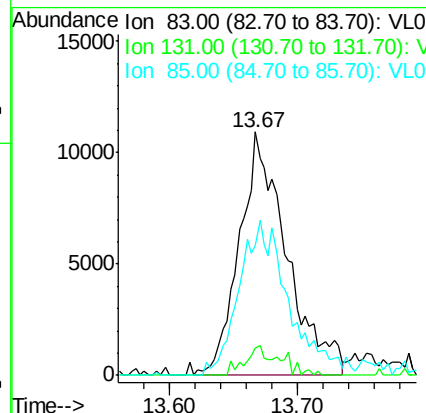
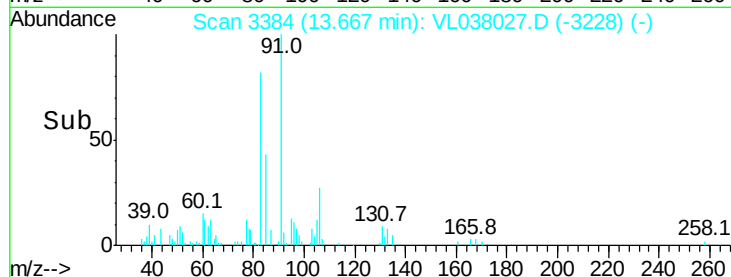
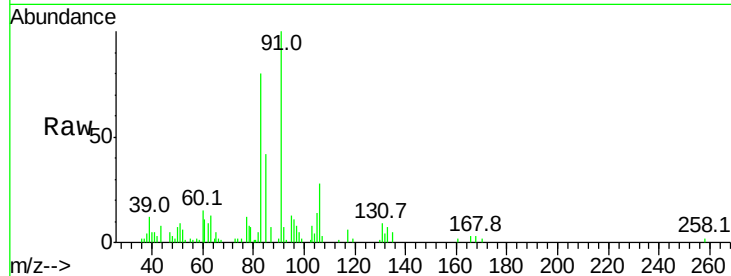
Lab File: ClientSampleId :

Acq: 16 Nov 2021 4:19

Tot Ion:
Ion Ratio
83 100
131 8.
85 66.

Manual Integrations
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Supervised By :Mahesh Dadoda 11/17/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.256 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038027.D

Acq: 16 Nov 2021 4:19

Tgt Ion: 95 Resp: 2051263
Ion Ratio Lower Upper
95 100
174 67.2 54.9 82.3
175 4.9 4.0 6.0

