

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042752.D
 Acq On : 23 Jul 2025 11:50
 Operator : SY/MD
 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 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:59:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.784	49	151834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	432802	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	387541	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	302164	9.845	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	376	0.047	ppbv #	68
32) 1,1,1-Trichloroethane	3.366	97	1149m	0.035	ppbv	
35) Carbon Tetrachloride	3.755	117	1233m	0.038	ppbv	
38) Trichloroethene	4.535	130	664m	0.034	ppbv	
52) Tetrachloroethene	8.215	164	654m	0.038	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1285m	0.040	ppbv	

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

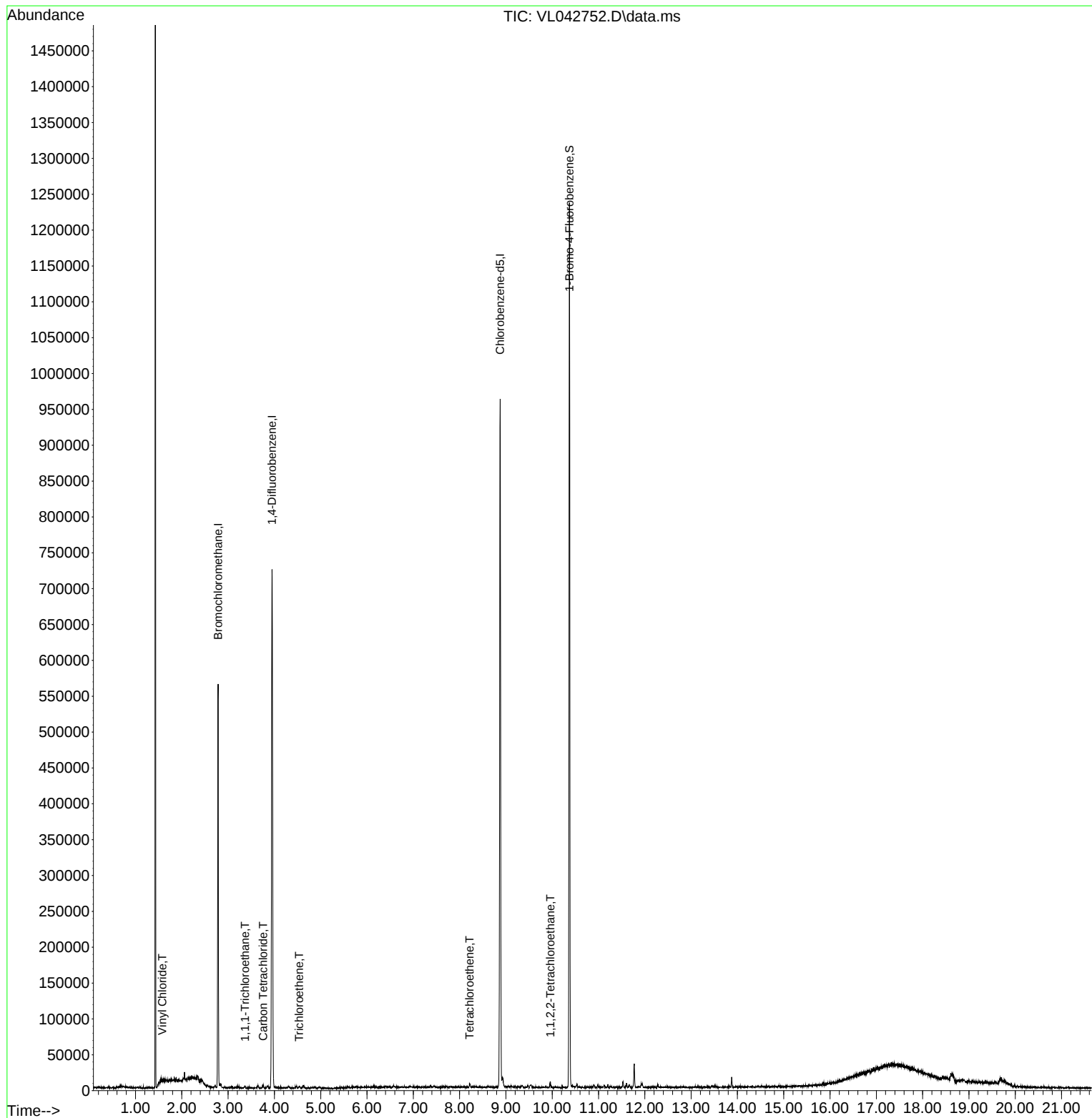
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
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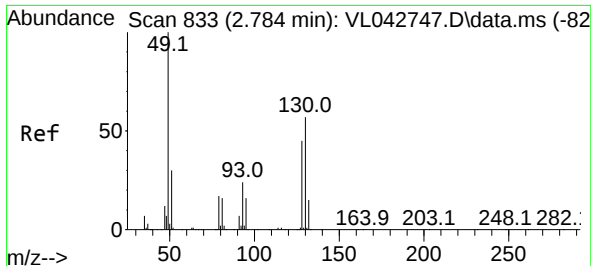
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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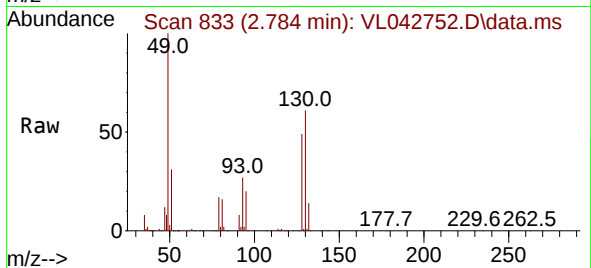
Reviewed By : Semsettin Yesilyurt 07/24/2025
Supervised By : Mahesh Dadoda 07/24/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

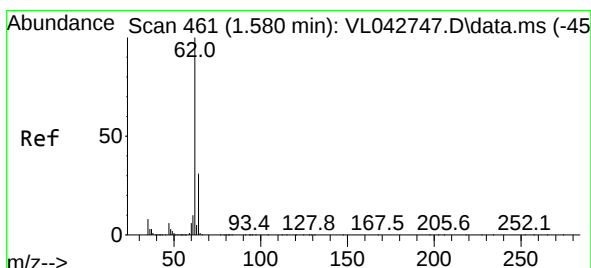
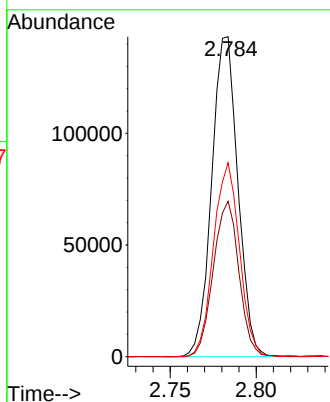
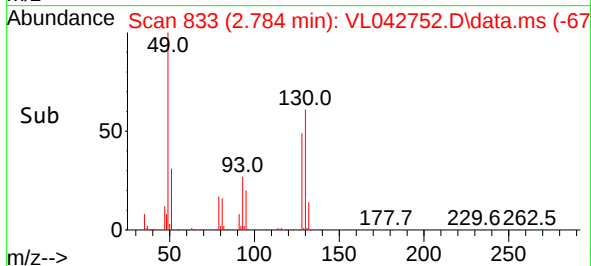
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 49 Resp: 151834
Ion Ratio Lower Upper
49 100
128 47.5 23.6 71.0
130 60.2 30.3 90.8

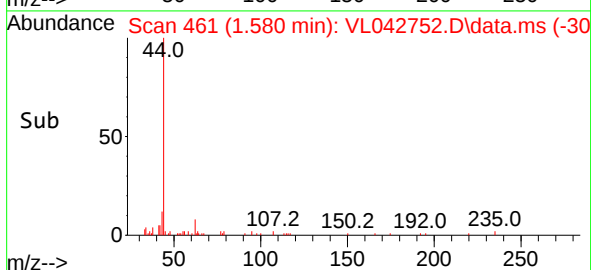
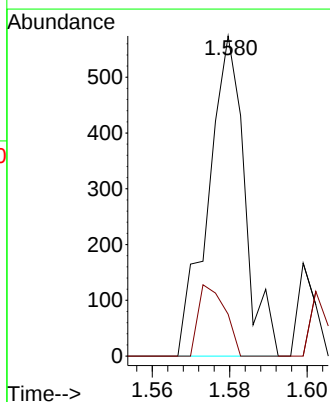
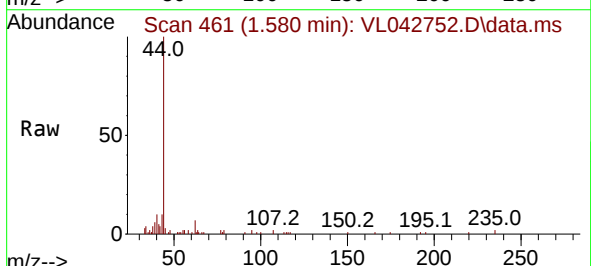
Manual Integrations
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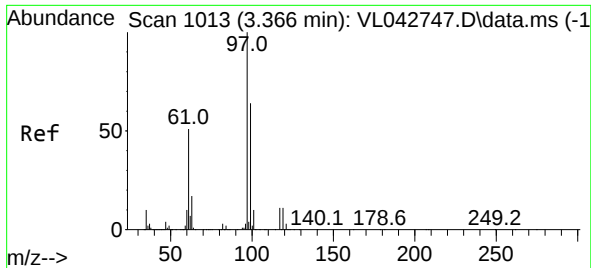
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#5
Vinyl Chloride
Concen: 0.047 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

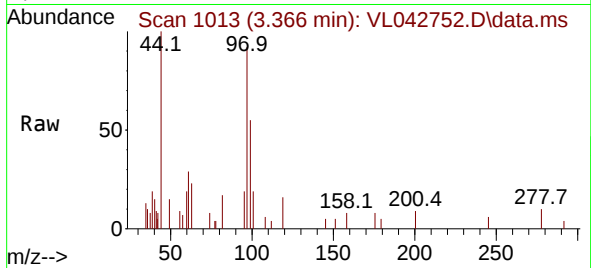
Tgt Ion: 62 Resp: 376
Ion Ratio Lower Upper
62 100
64 13.1 24.5 36.7#





#32
 1,1,1-Trichloroethane
 Concen: 0.035 ppbv m
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.000 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50

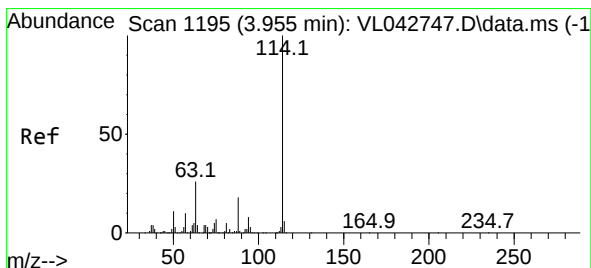
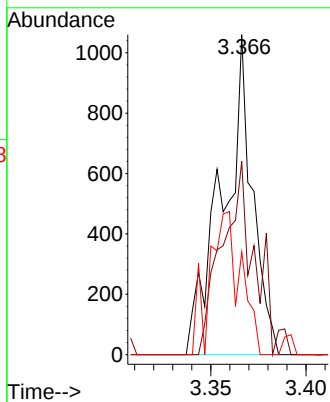
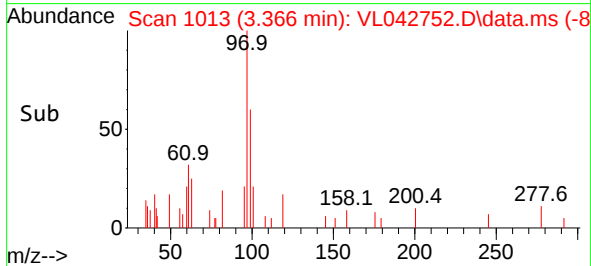
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



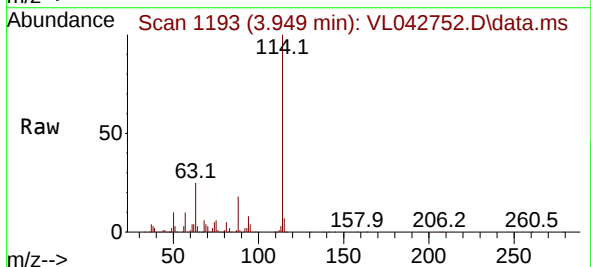
Tgt Ion: 97 Resp: 1149
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.0 76.6
 61 48.9 40.9 61.3

Manual Integrations
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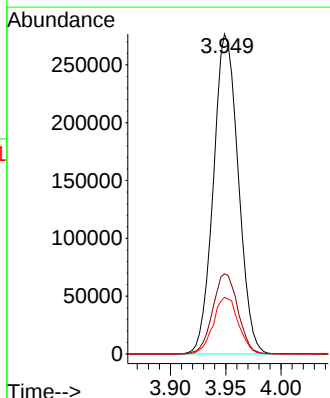
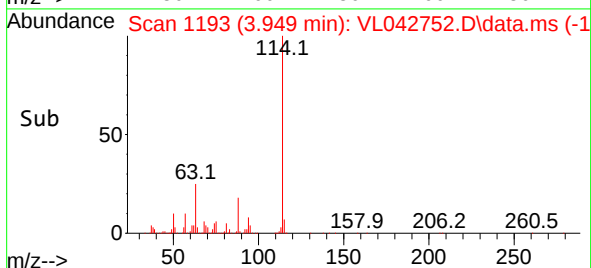
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

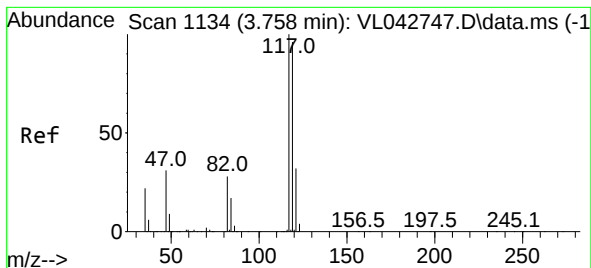


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.949 min Scan# 1193
 Delta R.T. -0.007 min
 Lab File: VL042752.D
 Acq: 23 Jul 2025 11:50



Tgt Ion:114 Resp: 432802
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.5 30.7
 88 17.9 14.0 21.0





#35

Carbon Tetrachloride

Concen: 0.038 ppbv m

RT: 3.755 min Scan# 1133

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

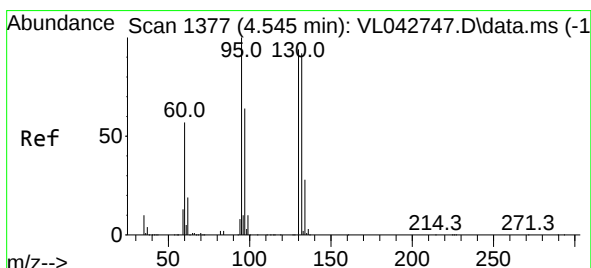
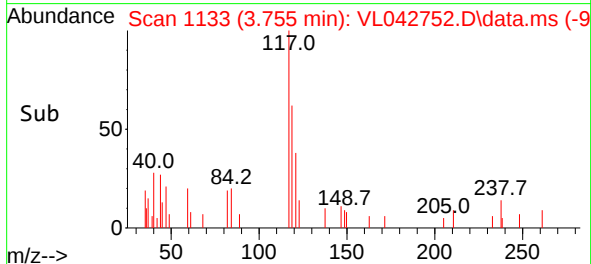
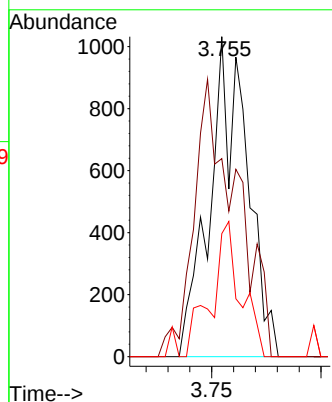
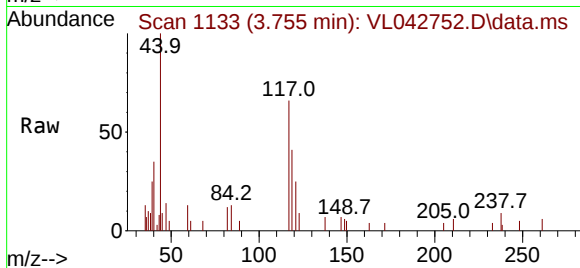
VSTDICC0.03

Tgt Ion:	117	Resp:	123
Ion	Ratio	Lower	Upper
117	100		
119	61.9	77.1	115.7
121	38.5	25.5	38.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#38

Trichloroethene

Concen: 0.034 ppbv m

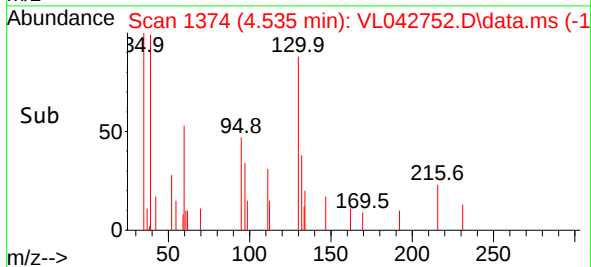
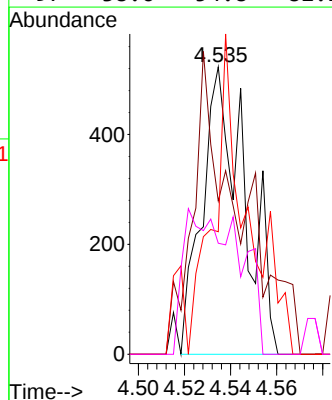
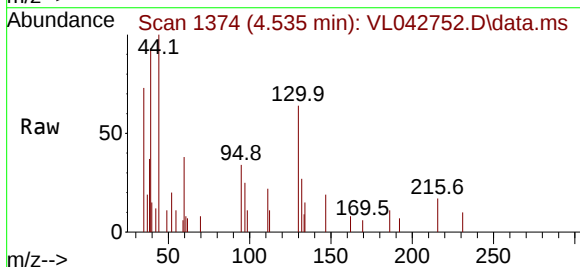
RT: 4.535 min Scan# 1374

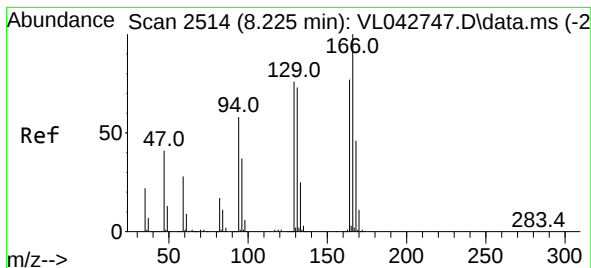
Delta R.T. -0.010 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Tgt Ion:	130	Resp:	664
Ion	Ratio	Lower	Upper
130	100		
95	53.3	85.4	128.2#
132	42.6	78.2	117.2#
97	38.6	54.8	82.2#





#52

Tetrachloroethene

Concen: 0.038 ppbv m

RT: 8.215 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion:164 Resp: 654

Ion Ratio Lower Upper

164 100

166 77.4 104.0 156.0

129 73.7 79.2 118.8

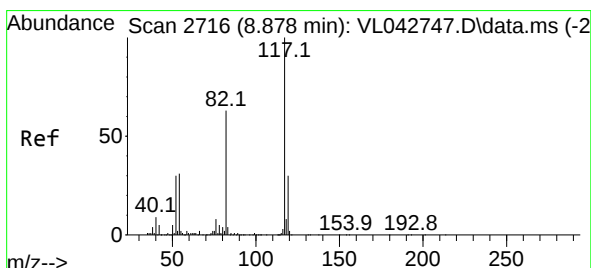
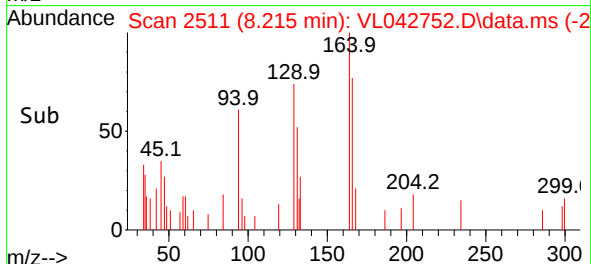
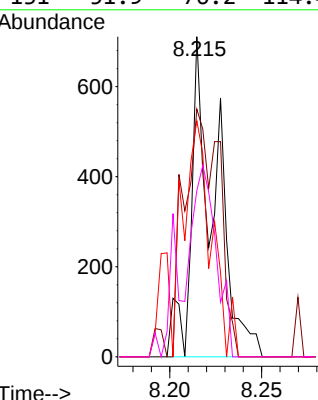
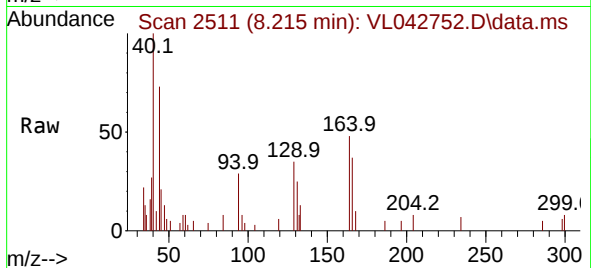
131 51.9 76.2 114.4

Manual Integrations

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Supervised By :Mahesh Dadoda 07/24/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.003 min

Lab File: VL042752.D

Acq: 23 Jul 2025 11:50

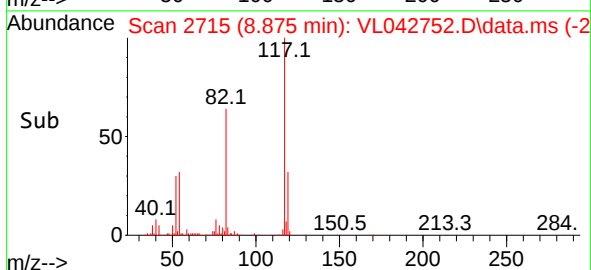
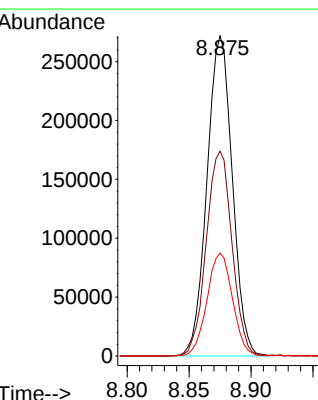
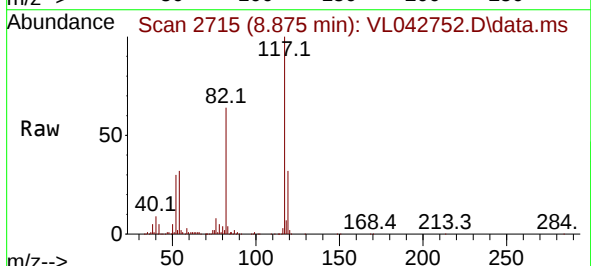
Tgt Ion:117 Resp: 387541

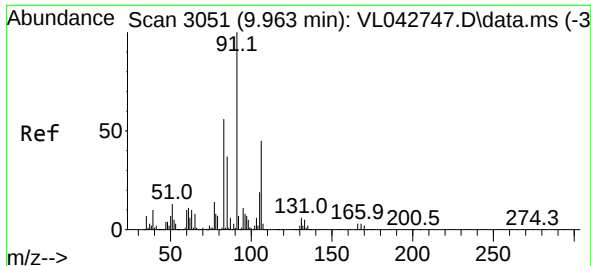
Ion Ratio Lower Upper

117 100

82 65.0 53.3 79.9

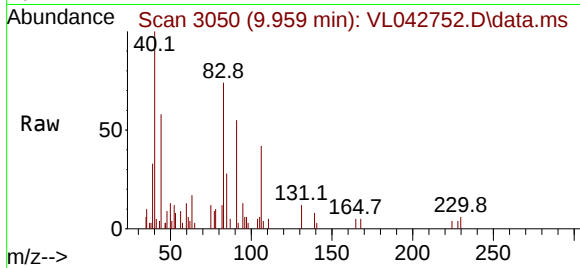
119 32.6 25.8 38.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.040 ppbv m
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50

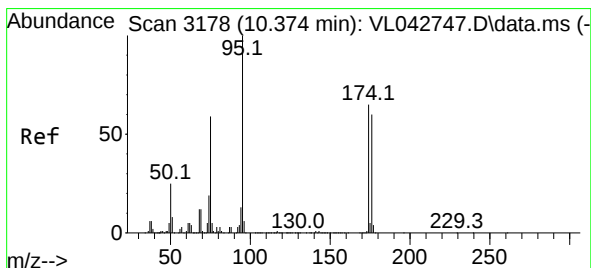
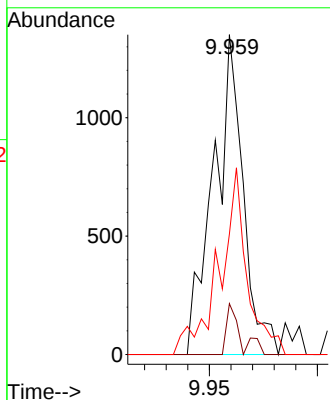
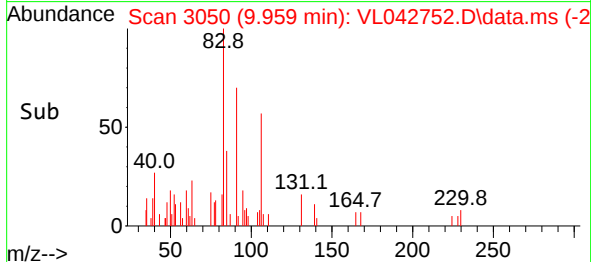
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



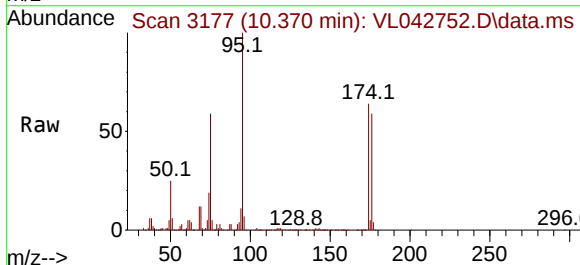
Tgt Ion: 83 Resp: 128
Ion Ratio Lower Upper
83 100
131 7.5 5.0 15.0
85 54.6 32.6 97.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.845 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.003 min
Lab File: VL042752.D
Acq: 23 Jul 2025 11:50



Tgt Ion: 95 Resp: 302164
Ion Ratio Lower Upper
95 100
174 65.6 53.8 80.6
175 5.0 4.0 6.0

