

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043109.D
 Acq On : 14 Oct 2025 13:08
 Operator : SY/MD
 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 10/16/2025
 Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 01:54:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Wed Oct 15 01:49:43 2025

Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		2.790	49	99997	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.959	114	332574	10.000	ppbv	0.00
55) Chlorobenzene-d5		8.882	117	299676	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.377	95	233673	10.032	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 100.300%	
Target Compounds							
							Qvalue
5) Vinyl Chloride		1.583	62	554	0.100	ppbv	# 33
32) 1,1,1-Trichloroethane		3.373	97	2605m	0.112	ppbv	
35) Carbon Tetrachloride		3.761	117	2530m	0.106	ppbv	
38) Trichloroethene		4.561	130	1399m	0.107	ppbv	
52) Tetrachloroethene		8.231	164	1149m	0.102	ppbv	
54) 1,2-Dibromoethane		7.658	107	2201	0.113	ppbv	100
63) 1,1,2,2-Tetrachloroethane		9.966	83	3053	0.113	ppbv	90
79) Naphthalene		13.516	128	3792m	0.080	ppbv	

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

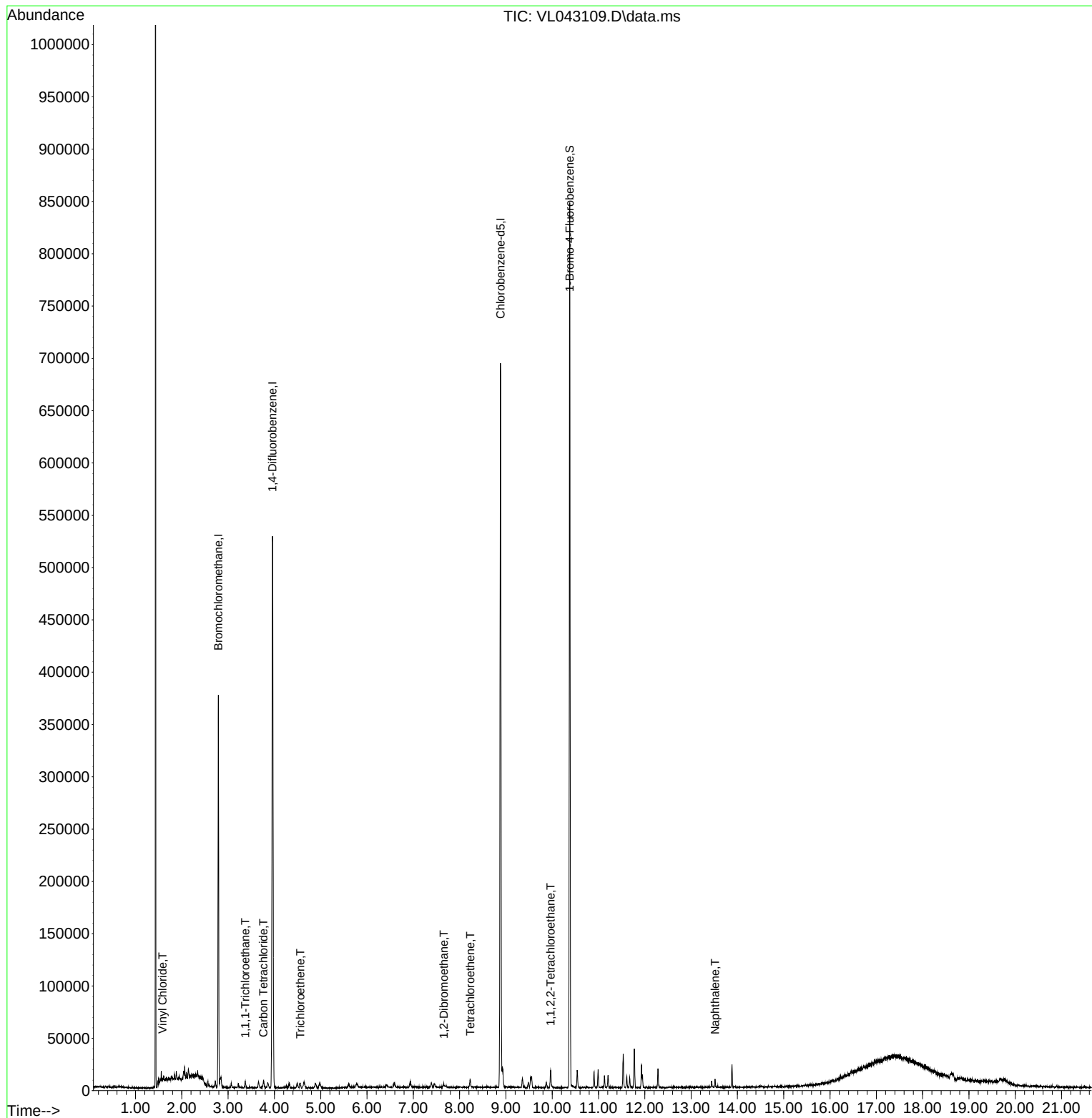
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
Data File : VL043109.D
Acq On : 14 Oct 2025 13:08
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

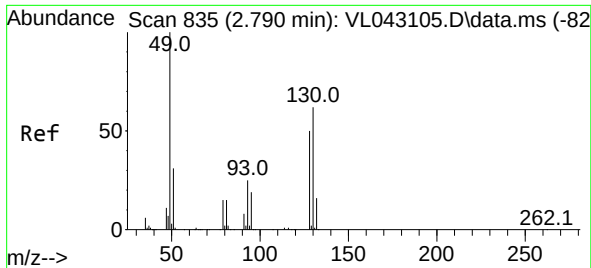
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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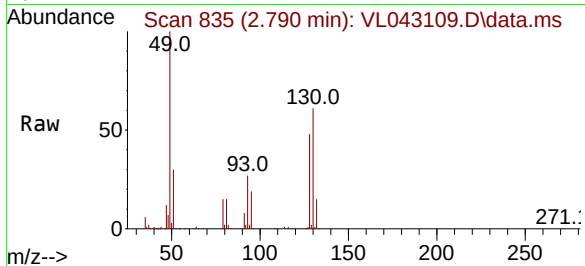
Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

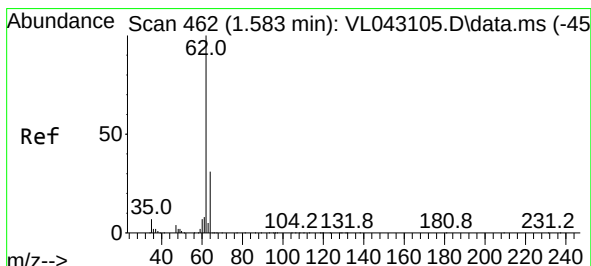
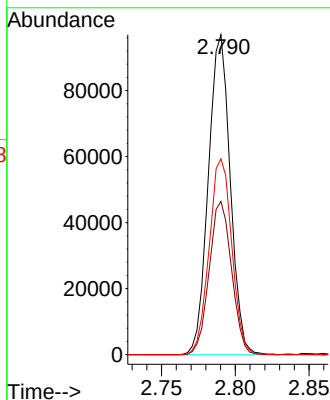
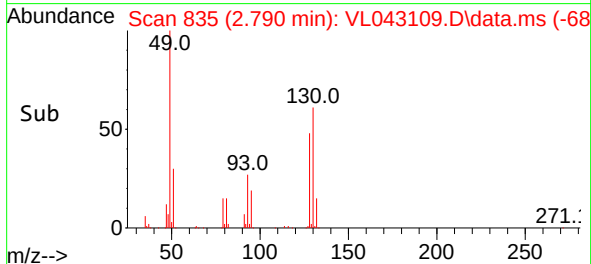
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 9999
Ion Ratio Lower Upper
49 100
128 48.9 24.4 73.4
130 63.3 31.0 93.0

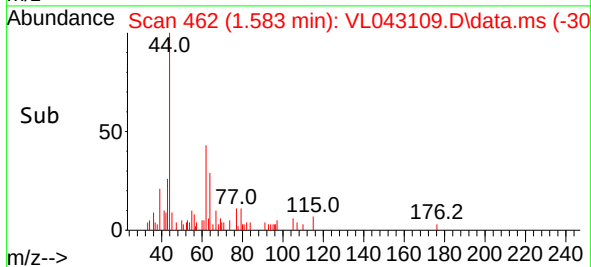
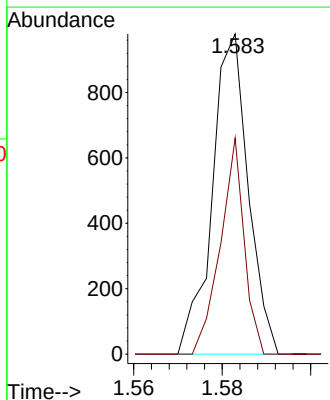
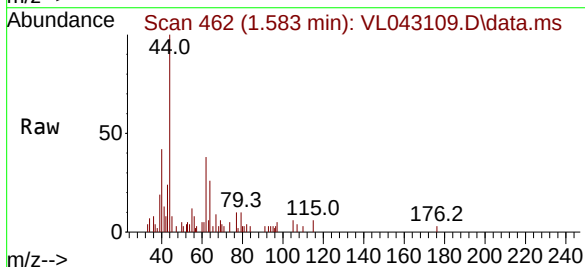
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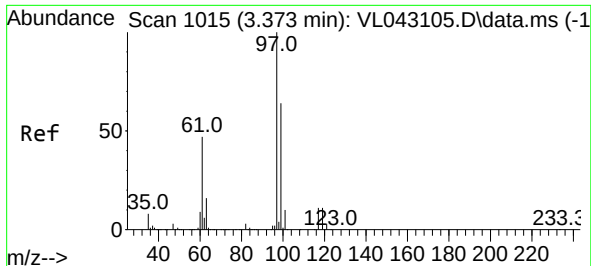
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#5
Vinyl Chloride
Concen: 0.100 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

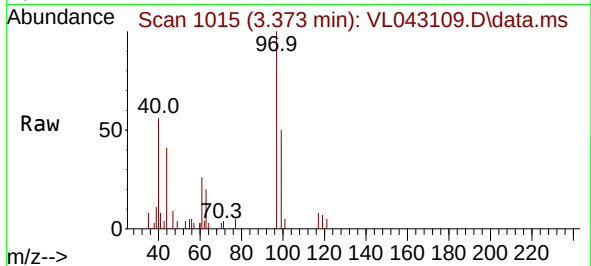
Tgt Ion: 62 Resp: 554
Ion Ratio Lower Upper
62 100
64 67.5 24.6 36.8





#32
1,1,1-Trichloroethane
Concen: 0.112 ppbv m
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

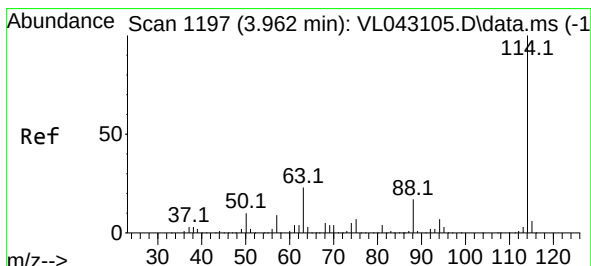
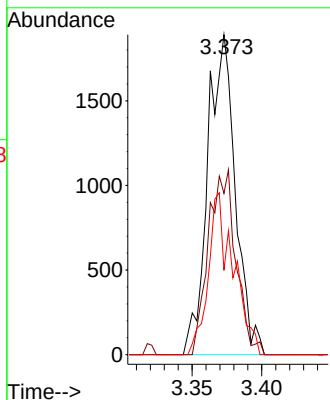
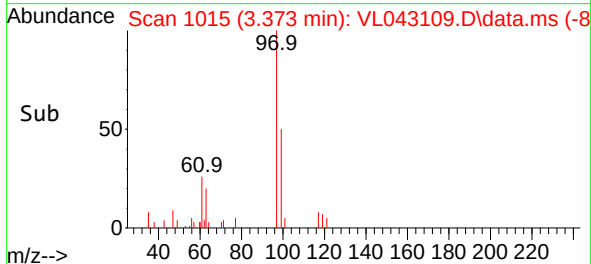
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 97 Resp: 260
Ion Ratio Lower Upper
97 100
99 57.5 51.3 76.9
61 46.3 38.4 57.6

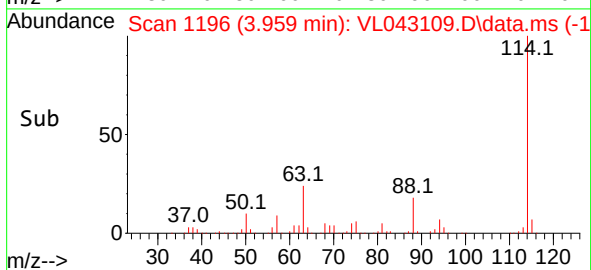
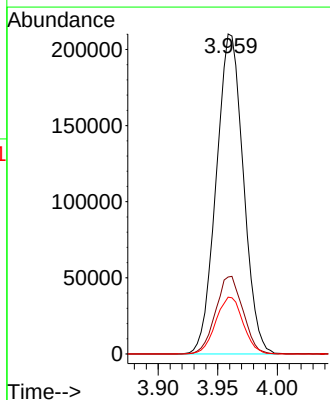
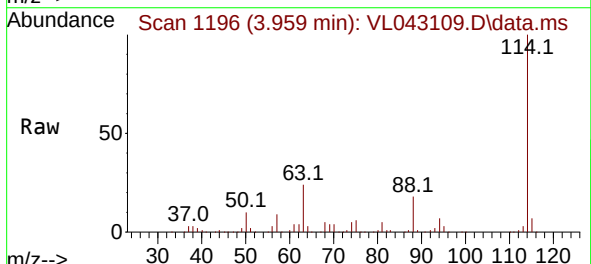
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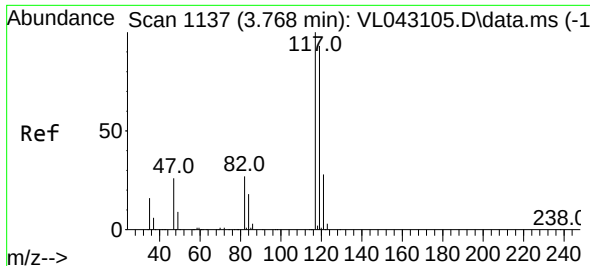
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

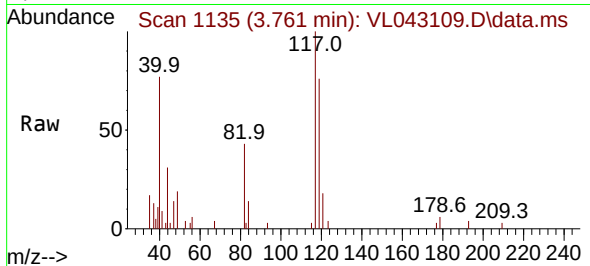
Tgt Ion:114 Resp: 332574
Ion Ratio Lower Upper
114 100
63 24.3 19.3 28.9
88 17.9 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.106 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

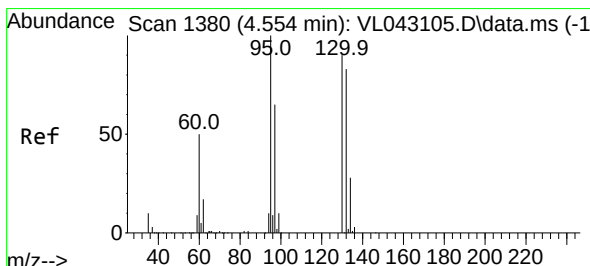
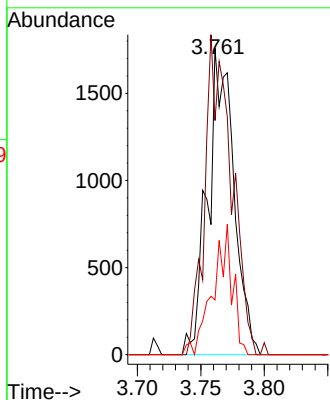
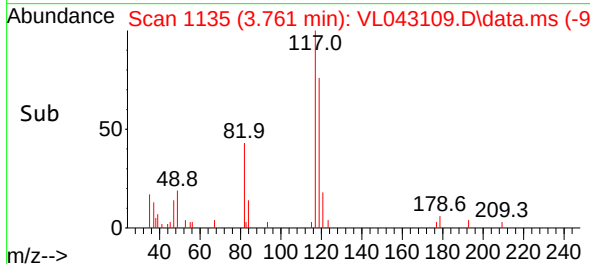
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 2530
Ion Ratio Lower Upper
117 100
119 76.4 74.1 111.1
121 17.9 22.2 33.2

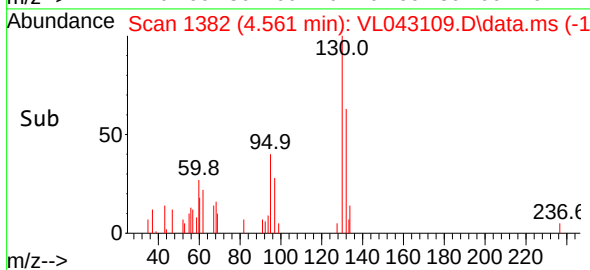
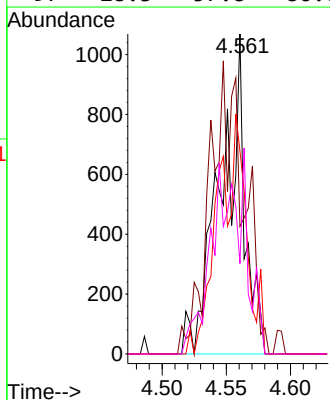
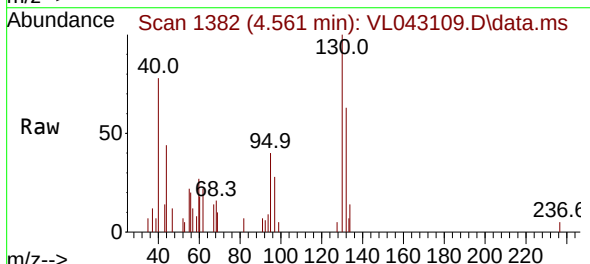
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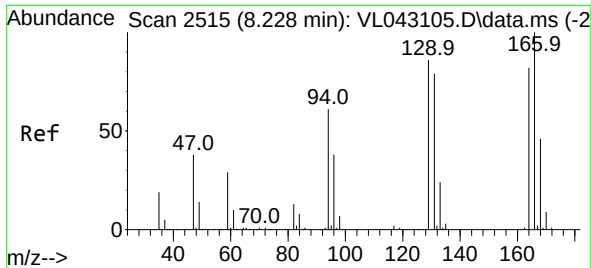
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#38
Trichloroethene
Concen: 0.107 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

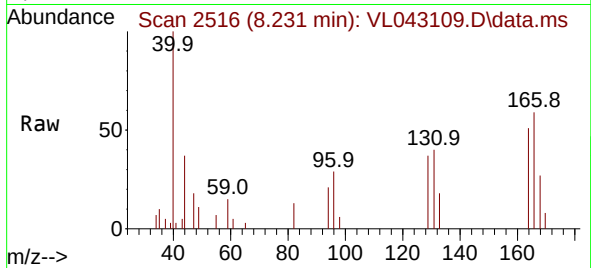
Tgt Ion:130 Resp: 1399
Ion Ratio Lower Upper
130 100
95 39.9 88.6 133.0#
132 63.4 73.4 110.0#
97 28.3 57.8 86.6#





#52
Tetrachloroethene
Concen: 0.102 ppbv m
RT: 8.231 min Scan# 2515
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

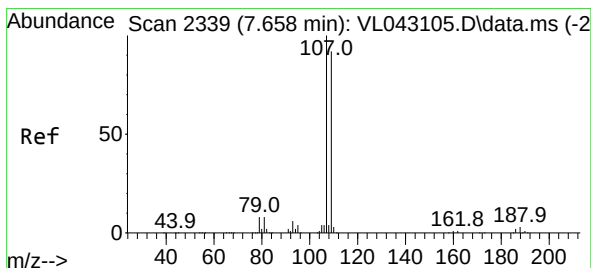
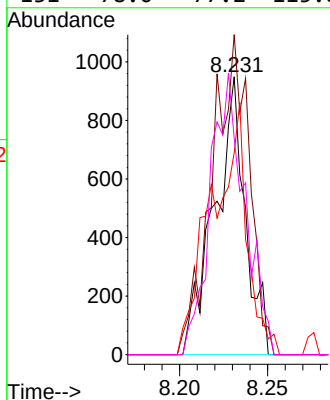
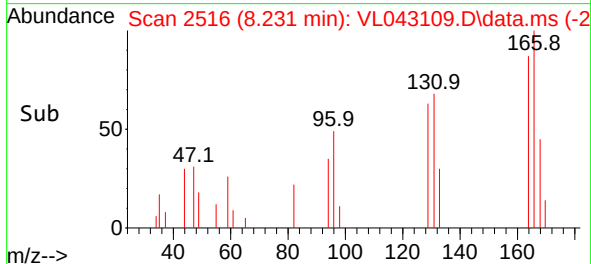
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 1149
Ion Ratio Lower Upper
164 100
166 115.2 97.6 146.4
129 72.7 84.5 126.7
131 78.0 77.2 115.8

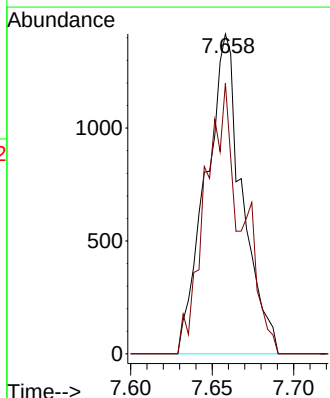
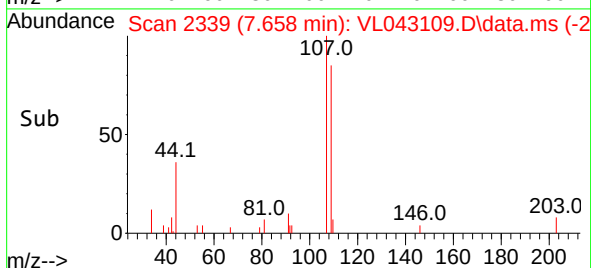
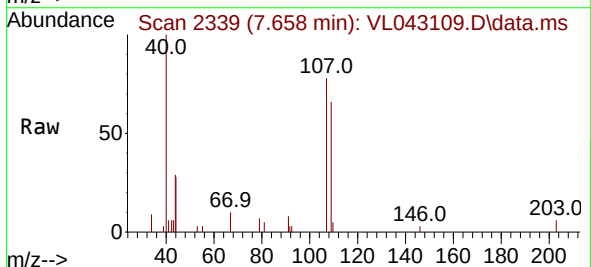
Manual Integrations
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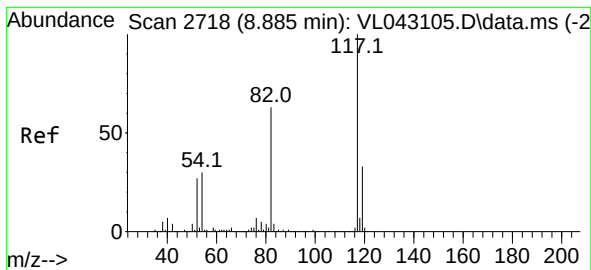
Reviewed By :Semsettin Yesilyurt 10/16/2025
Supervised By :Mahesh Dadoda 10/16/2025



#54
1,2-Dibromoethane
Concen: 0.113 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:107 Resp: 2201
Ion Ratio Lower Upper
107 100
109 91.5 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

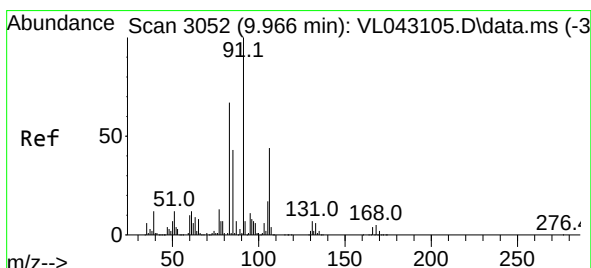
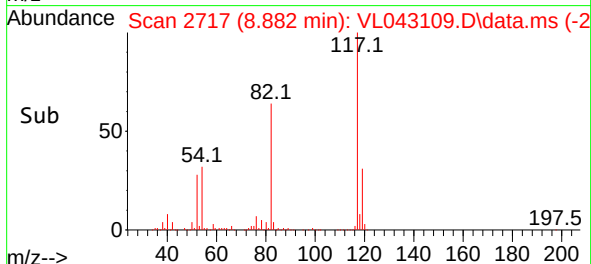
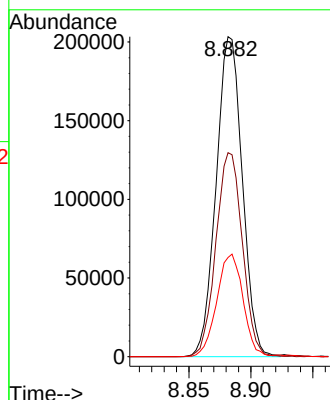
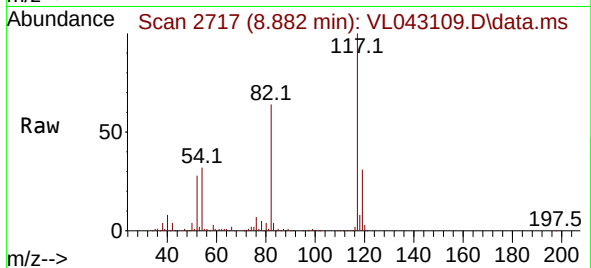
Tgt Ion: 117 Resp: 299670

Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.8	80.8
119	32.5	25.4	38.0

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.113 ppbv

RT: 9.966 min Scan# 3052

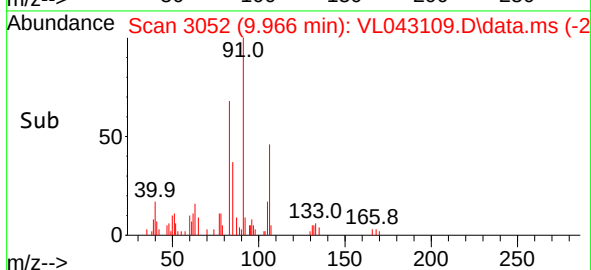
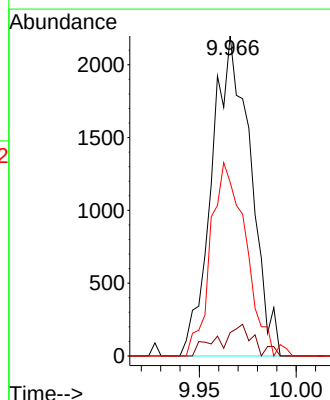
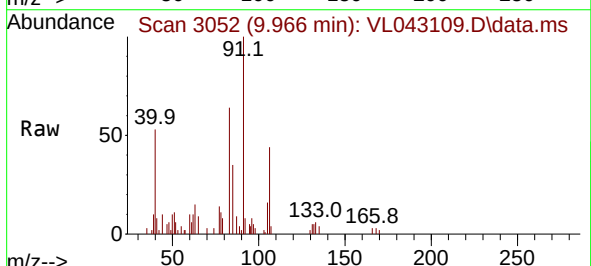
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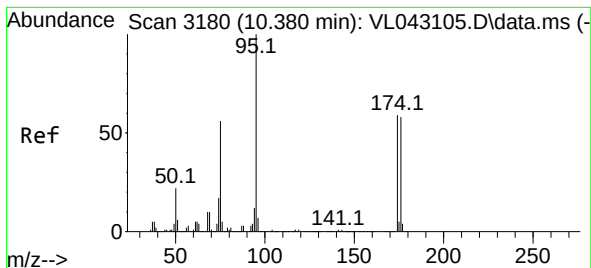
Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Tgt Ion: 83 Resp: 3053

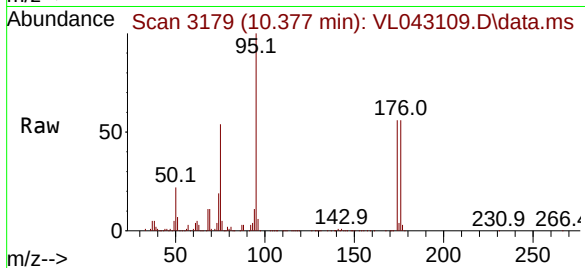
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	55.2	32.0	96.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.032 ppbv
RT: 10.377 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

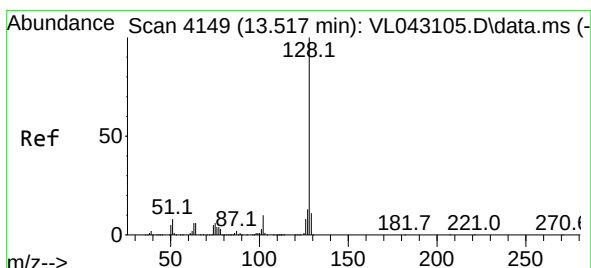
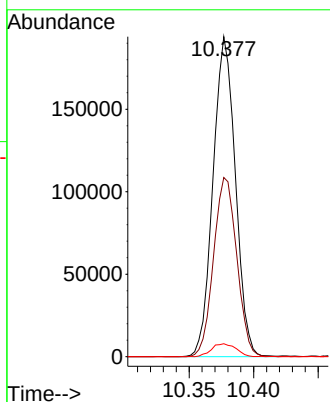
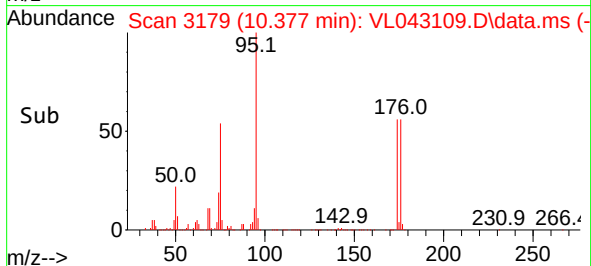
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



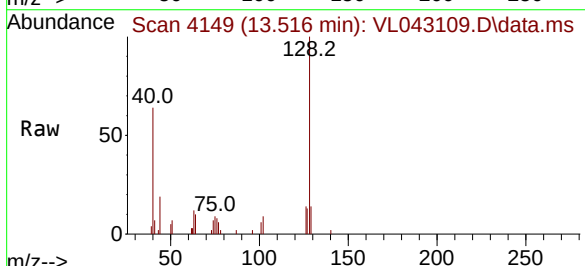
Tgt Ion: 95 Resp: 23367
Ion Ratio Lower Upper
95 100
174 58.0 48.3 72.5
175 4.5 3.8 5.8

Manual Integrations
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Supervised By :Mahesh Dadoda 10/16/2025



#79
Naphthalene
Concen: 0.080 ppbv m
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08



Tgt Ion:128 Resp: 3792
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 13.8 9.1 13.7#

