

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
 Data File : VL042933.D
 Acq On : 17 Sep 2025 12:32
 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 09/18/2025
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 18 02:30:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Thu Sep 18 02:25:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	155710	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	390094	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	326535	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	245820	9.631	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	912	0.108	ppbv	92
32) 1,1,1-Trichloroethane	3.376	97	2351m	0.088	ppbv	
35) Carbon Tetrachloride	3.765	117	2804m	0.101	ppbv	
38) Trichloroethene	4.548	130	1467m	0.095	ppbv	
52) Tetrachloroethene	8.225	164	875m	0.083	ppbv	
54) 1,2-Dibromoethane	7.661	107	1690m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	2442m	0.096	ppbv	
79) Naphthalene	13.520	128	1286m	0.391	ppbv	

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

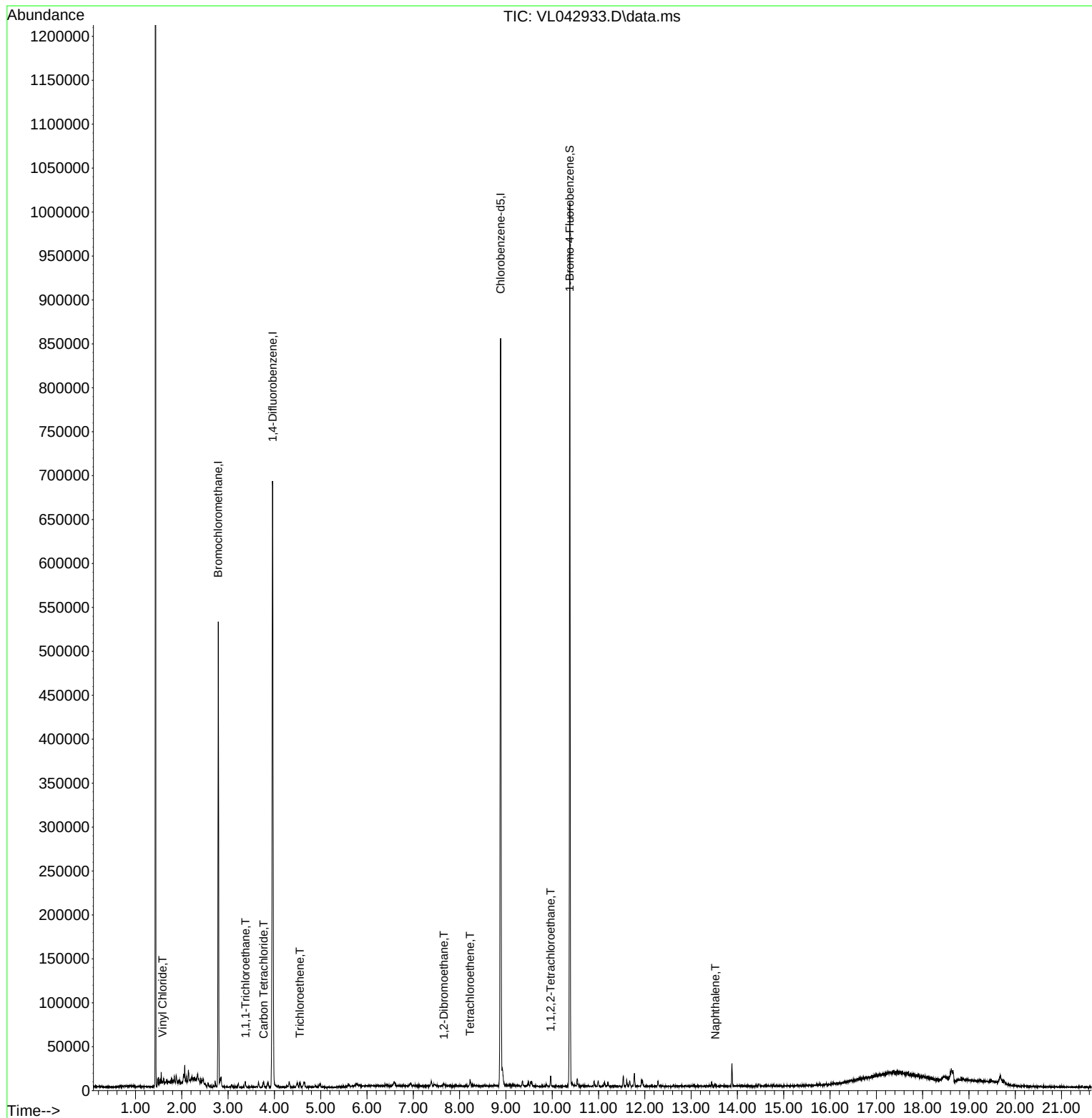
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091725\
Data File : VL042933.D
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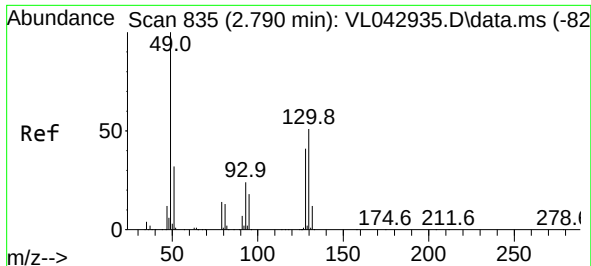
Instrument :
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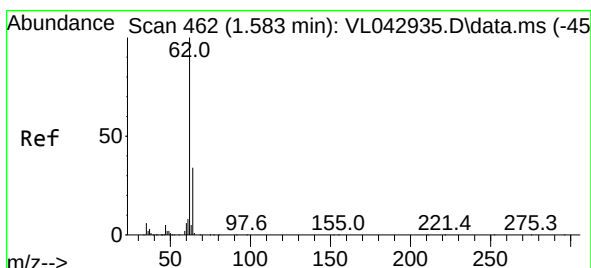
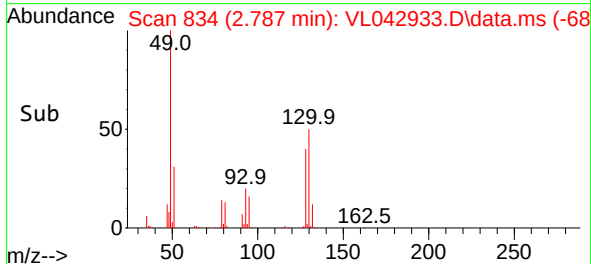
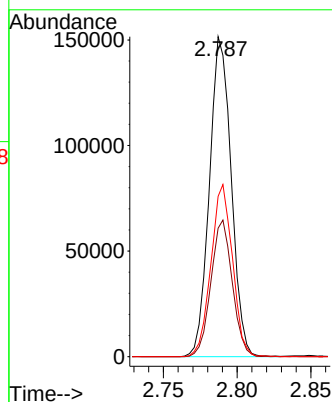
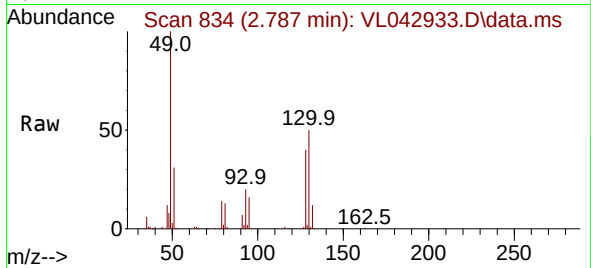
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 155710
Ion Ratio Lower Upper
49 100
128 41.8 21.1 63.4
130 53.2 26.4 79.2

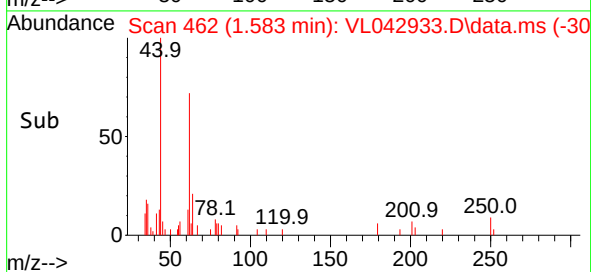
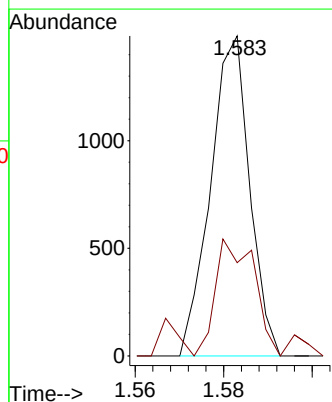
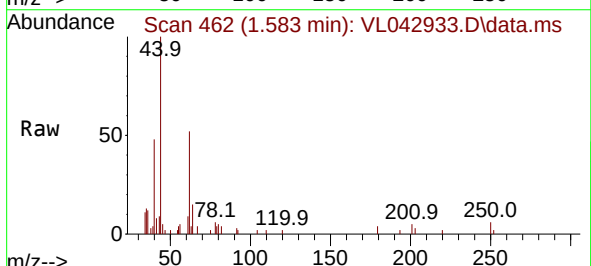
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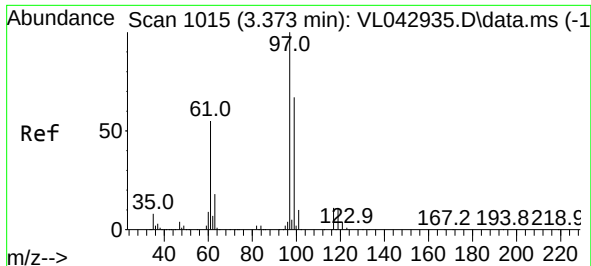
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#5
Vinyl Chloride
Concen: 0.108 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.000 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion: 62 Resp: 912
Ion Ratio Lower Upper
62 100
64 29.1 27.0 40.6





#32

1,1,1-Trichloroethane

Concen: 0.088 ppbv m

RT: 3.376 min Scan# 1015

Delta R.T. 0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

Tgt Ion: 97 Resp: 235

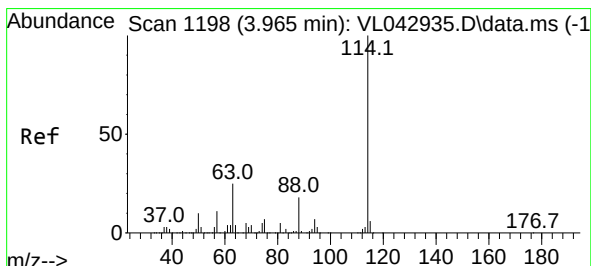
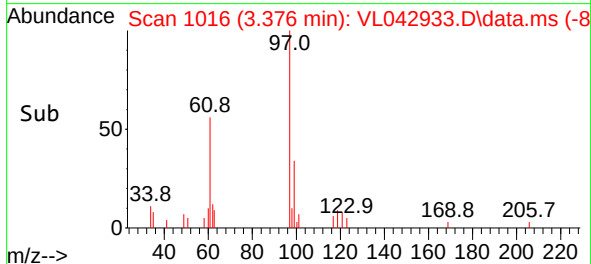
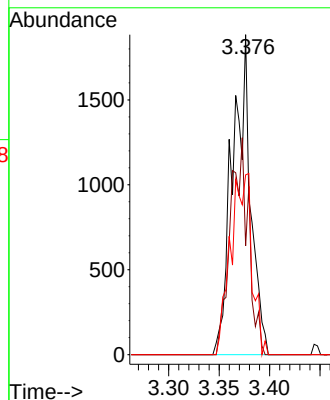
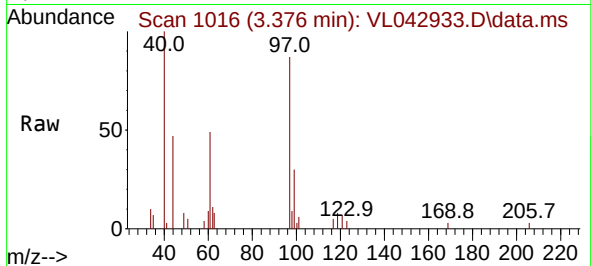
Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.0	76.4
61	67.3	43.2	64.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

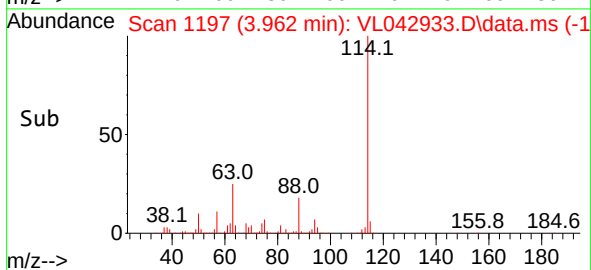
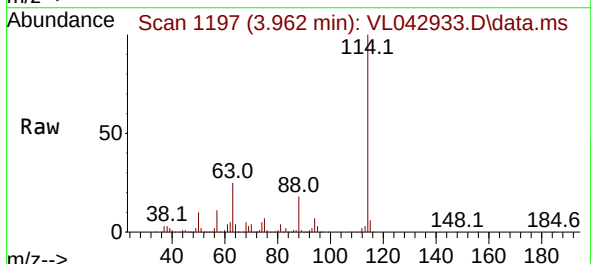
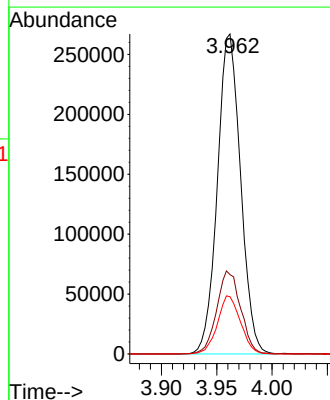
Delta R.T. -0.003 min

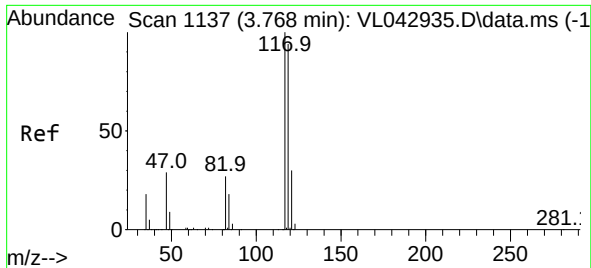
Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion:114 Resp: 390094

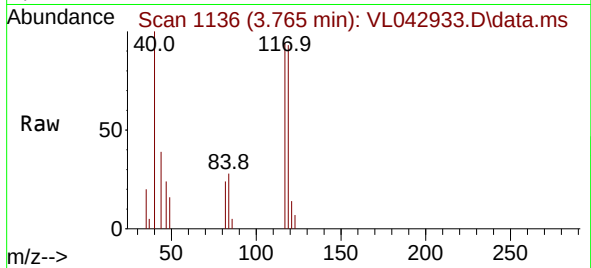
Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.1	31.7
88	18.0	14.6	22.0





#35
Carbon Tetrachloride
Concen: 0.101 ppbv m
RT: 3.765 min Scan# 1137
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

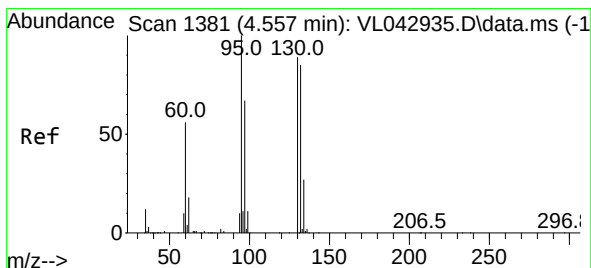
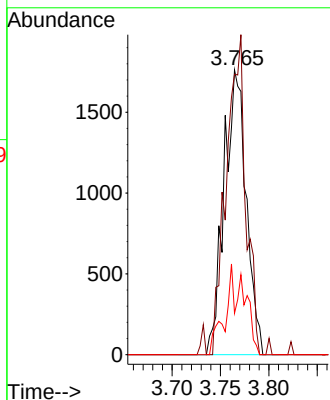
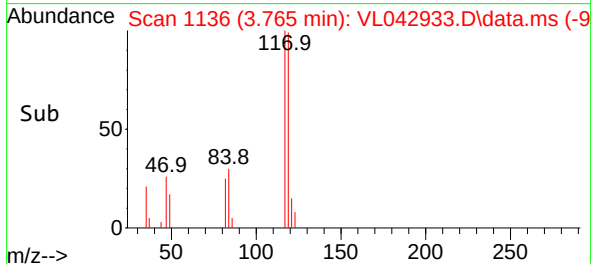
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



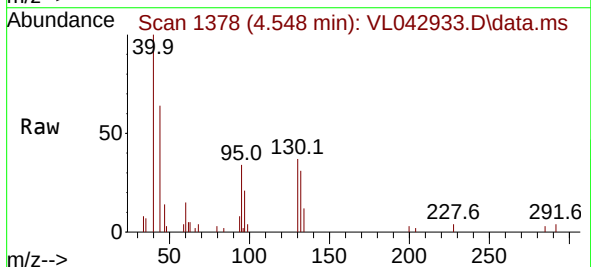
Tgt Ion:117 Resp: 2804
Ion Ratio Lower Upper
117 100
119 98.5 74.9 112.3
121 14.6 24.0 36.0

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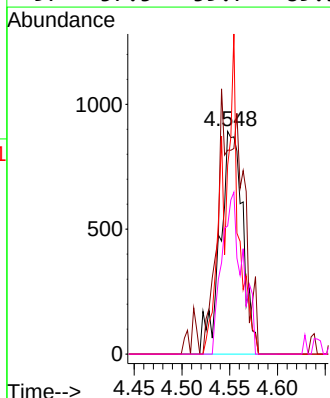
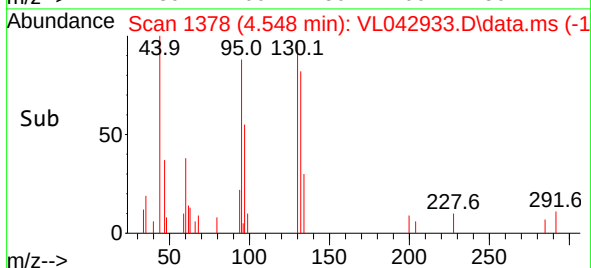
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025

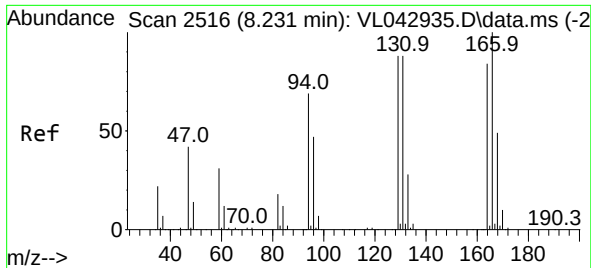


#38
Trichloroethene
Concen: 0.095 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. -0.010 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32



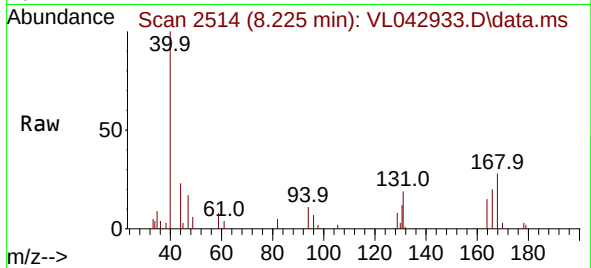
Tgt Ion:130 Resp: 1467
Ion Ratio Lower Upper
130 100
95 91.6 89.8 134.6
132 84.8 76.3 114.5
97 57.5 59.7 89.5





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 8.225 min Scan# 214
Delta R.T. -0.006 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

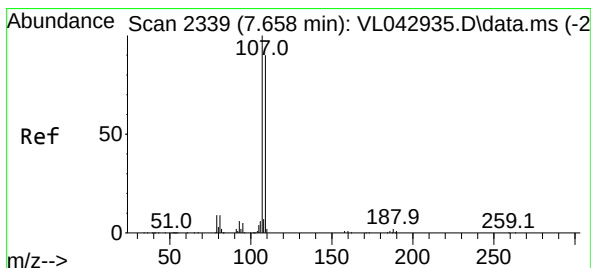
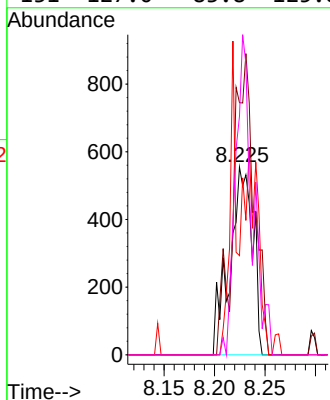
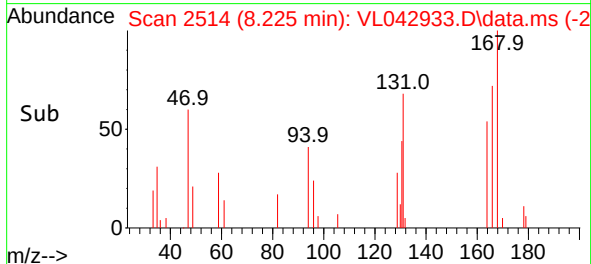
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 879
Ion Ratio Lower Upper
164 100
166 134.2 95.4 143.0
129 52.8 84.0 126.0
131 127.0 83.8 125.8#

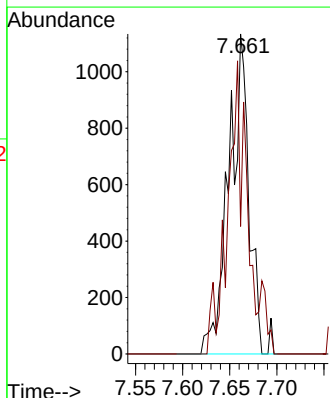
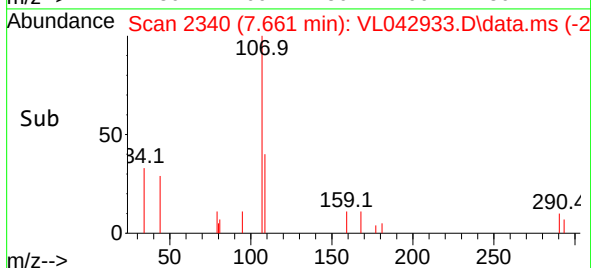
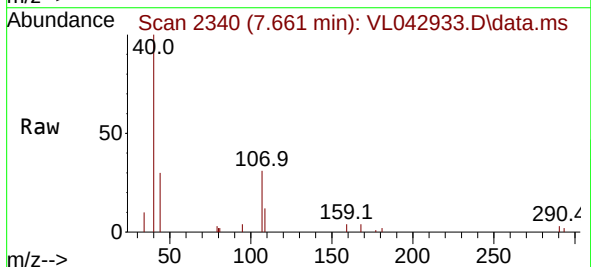
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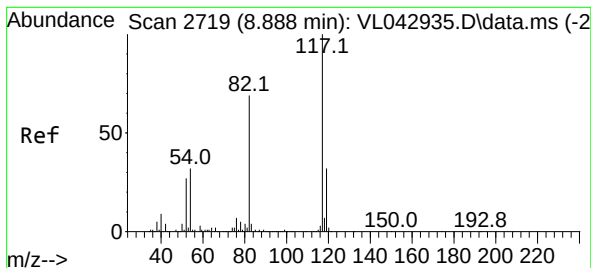
Reviewed By :Semsettin Yesilyurt 09/18/2025
Supervised By :Mahesh Dadoda 09/18/2025



#54
1,2-Dibromoethane
Concen: 0.094 ppbv m
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:107 Resp: 1690
Ion Ratio Lower Upper
107 100
109 39.9 71.8 107.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2719

Delta R.T. -0.003 min

Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 117 Resp: 32653

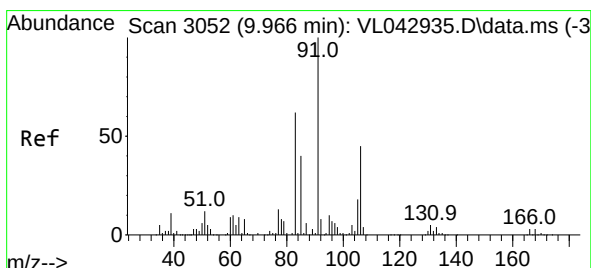
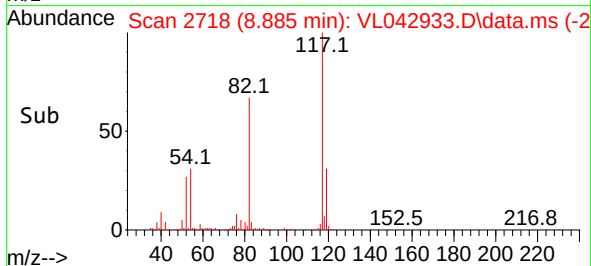
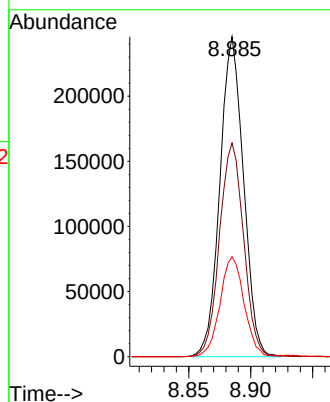
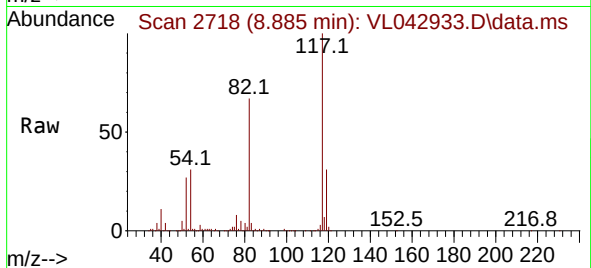
Ion	Ratio	Lower	Upper
117	100		
82	68.1	56.1	84.1
119	32.3	25.8	38.8

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.096 ppbv m

RT: 9.966 min Scan# 3052

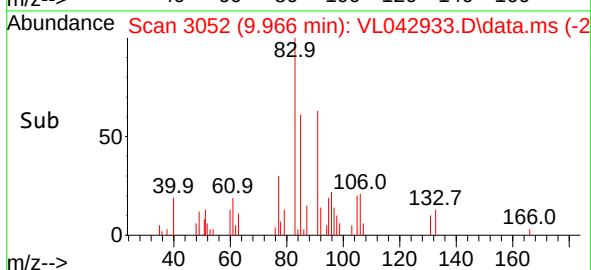
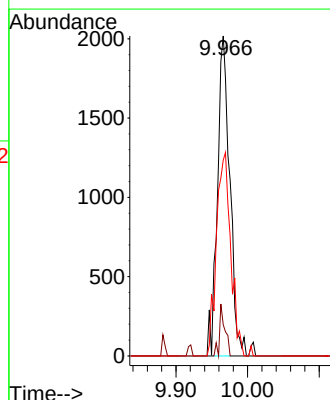
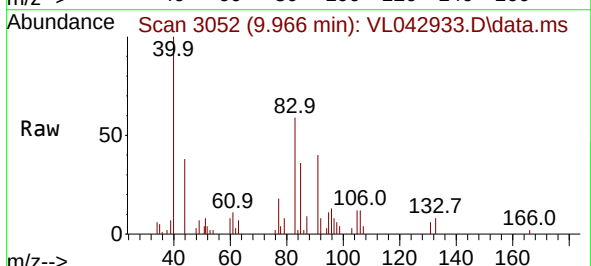
Delta R.T. 0.000 min

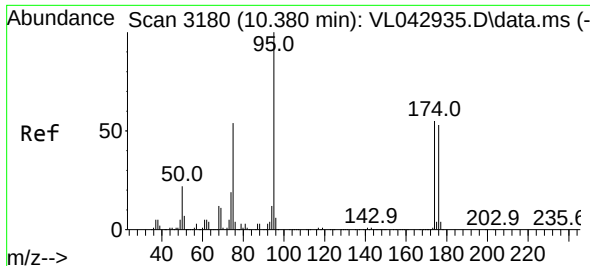
Lab File: VL042933.D

Acq: 17 Sep 2025 12:32

Tgt Ion: 83 Resp: 2442

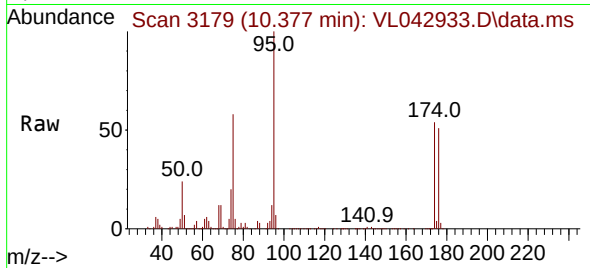
Ion	Ratio	Lower	Upper
83	100		
131	7.0	4.2	12.6
85	72.9	32.6	98.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.631 ppbv
RT: 10.377 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

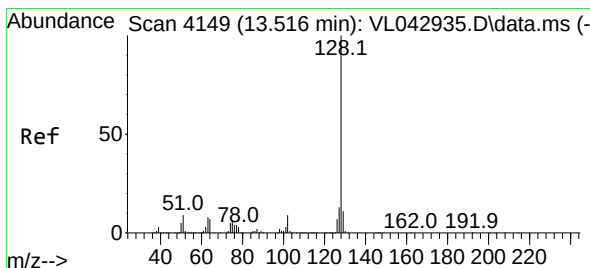
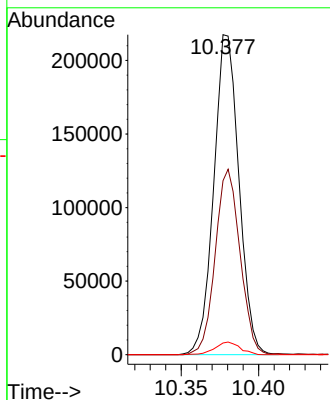
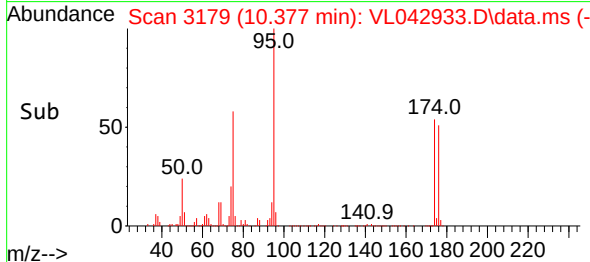
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 95 Resp: 245820
Ion Ratio Lower Upper
95 100
174 57.2 44.9 67.3
175 4.0 3.3 4.9

Manual Integrations
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Supervised By :Mahesh Dadoda 09/18/2025



#79
Naphthalene
Concen: 0.391 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.004 min
Lab File: VL042933.D
Acq: 17 Sep 2025 12:32

Tgt Ion:128 Resp: 1286
Ion Ratio Lower Upper
128 100
127 8.7 10.3 15.5#
129 5.3 8.7 13.1#

