

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042954.D
 Acq On : 22 Sep 2025 11:56
 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 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:12:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 23 2024
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	163771	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	498673	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	457171	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	337196	9.881	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	920	0.102	ppbv #	75
32) 1,1,1-Trichloroethane	3.370	97	3418	0.098	ppbv	96
35) Carbon Tetrachloride	3.764	117	3071m	0.096	ppbv	
38) Trichloroethene	4.541	130	2470m	0.106	ppbv	
52) Tetrachloroethene	8.228	164	2013m	0.111	ppbv	
54) 1,2-Dibromoethane	7.655	107	2595m	0.102	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3301	0.106	ppbv	97
79) Naphthalene	13.516	128	4997m	0.085	ppbv	

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

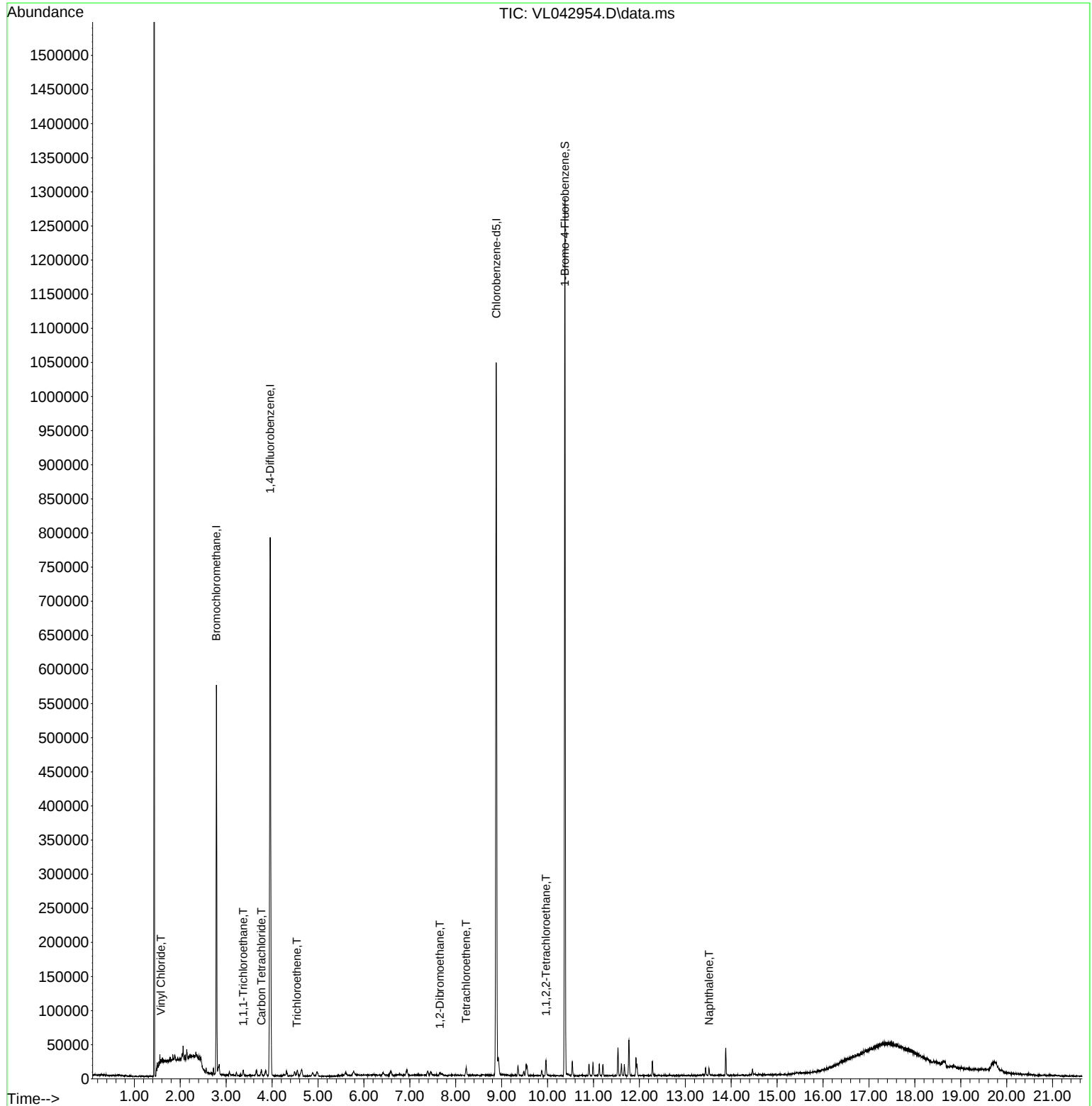
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042954.D
Acq On : 22 Sep 2025 11:56
Operator : SY/MD
Sample : VSTDICC0.1
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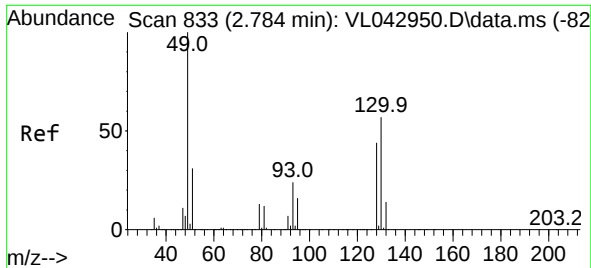
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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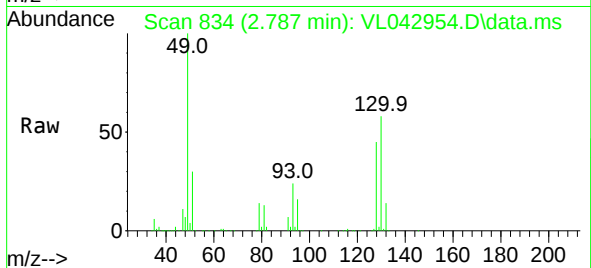
Quant Time: Sep 23 02:12:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

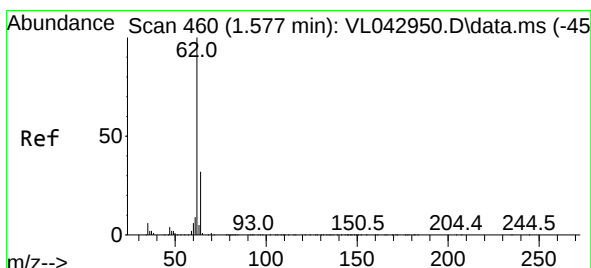
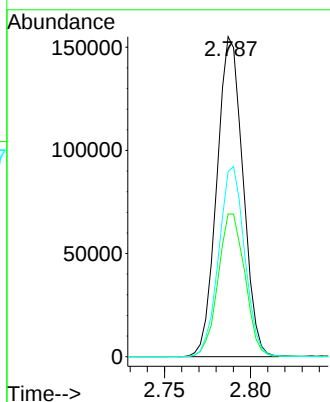
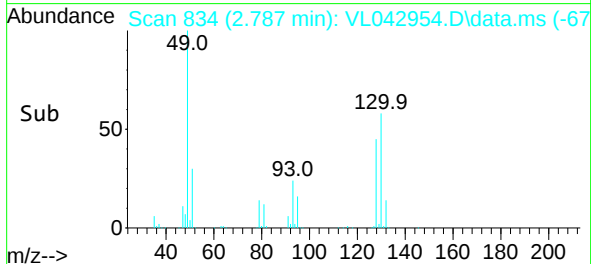
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 16377
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.8
130 59.0 29.1 87.3

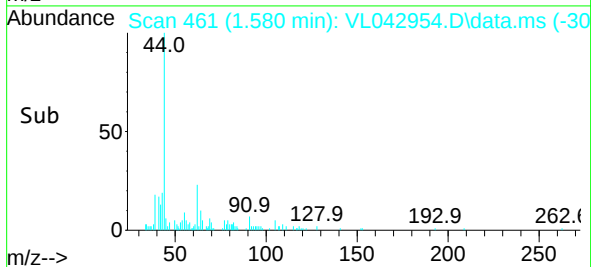
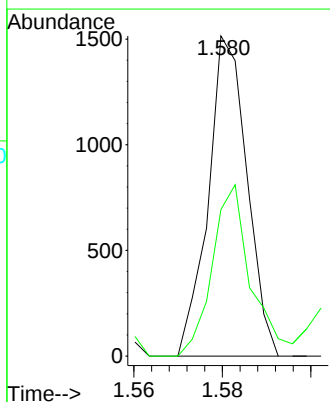
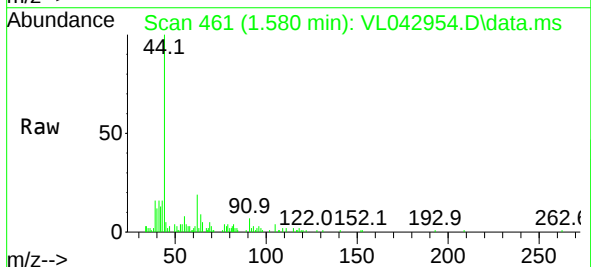
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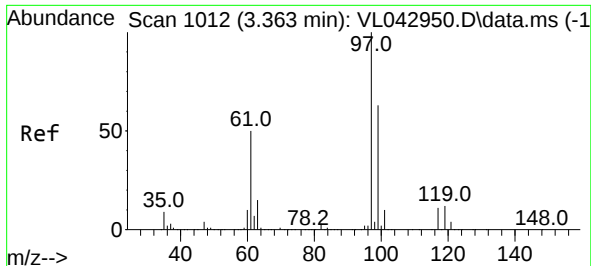
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#5
Vinyl Chloride
Concen: 0.102 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

Tgt Ion: 62 Resp: 920
Ion Ratio Lower Upper
62 100
64 45.7 25.4 38.2#





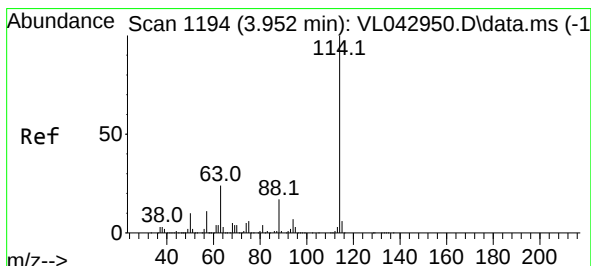
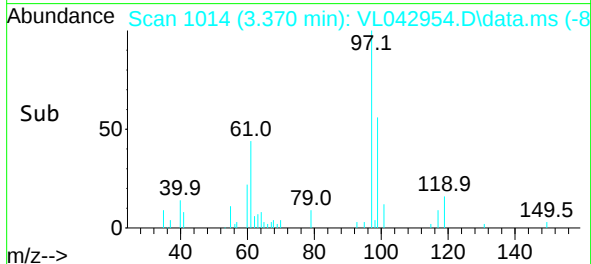
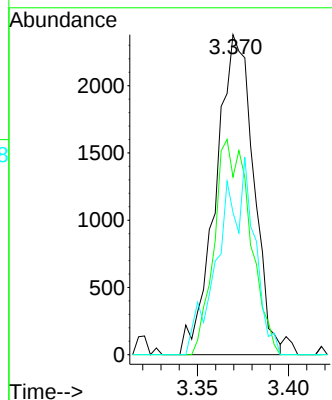
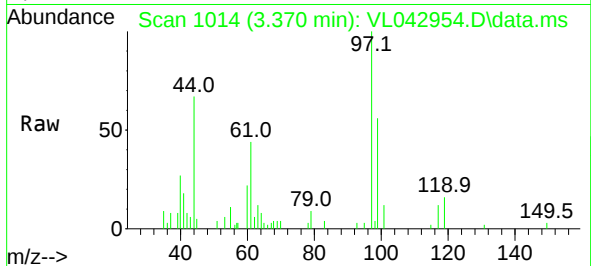
#32
 1,1,1-Trichloroethane
 Concen: 0.098 ppbv
 RT: 3.370 min Scan# 1012
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 97 Resp: 3418
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 56.2 39.8 59.6

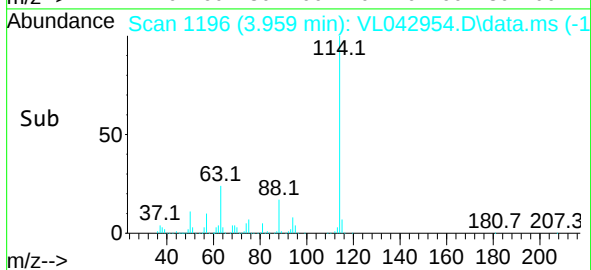
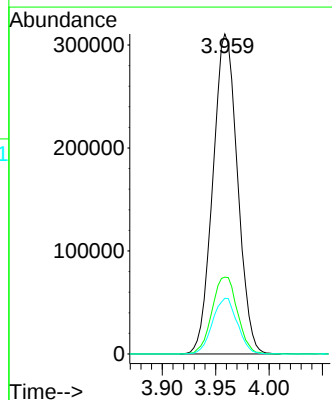
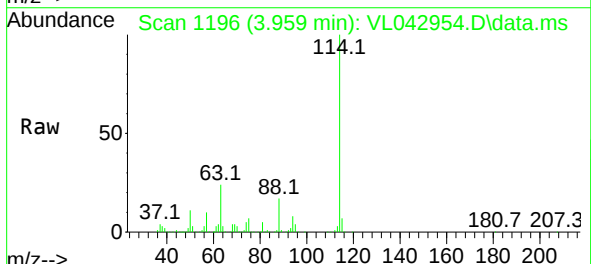
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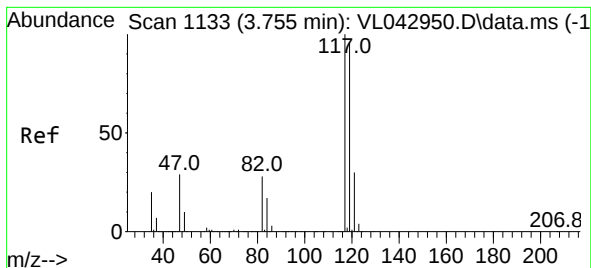
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: VL042954.D
 Acq: 22 Sep 2025 11:56

Tgt Ion:114 Resp: 498673
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.4 29.2
 88 17.5 14.2 21.2





#35

Carbon Tetrachloride

Concen: 0.096 ppbv m

RT: 3.764 min Scan# 1136

Delta R.T. 0.010 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

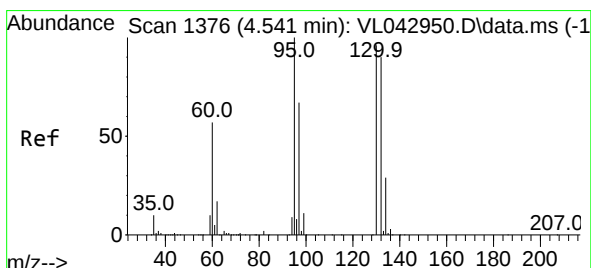
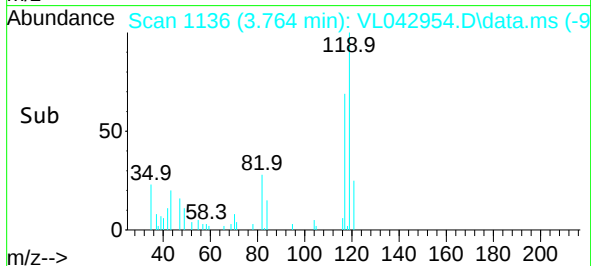
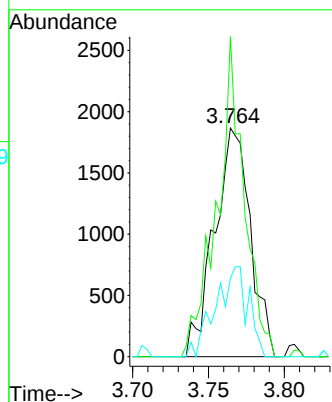
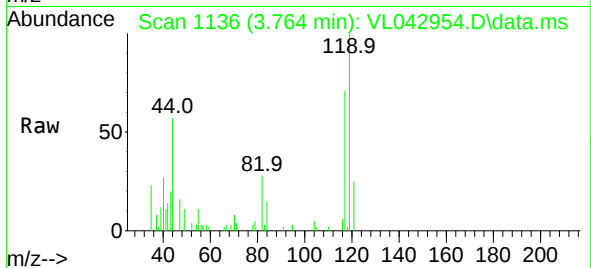
VSTDICC0.1

Tgt Ion:	117	Resp:	307
Ion	Ratio	Lower	Upper
117	100		
119	139.9	76.9	115.3
121	34.3	23.7	35.5

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Supervised By :Mahesh Dadoda 09/24/2025



#38

Trichloroethene

Concen: 0.106 ppbv m

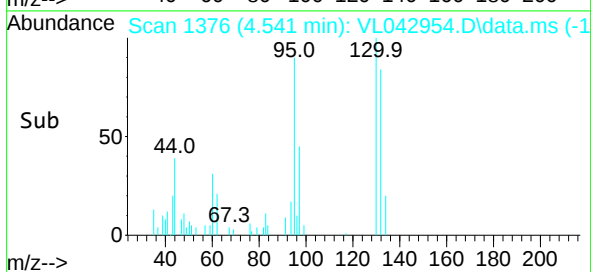
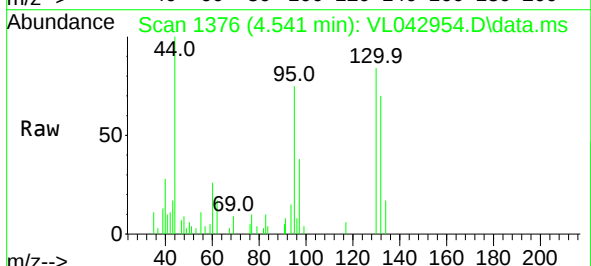
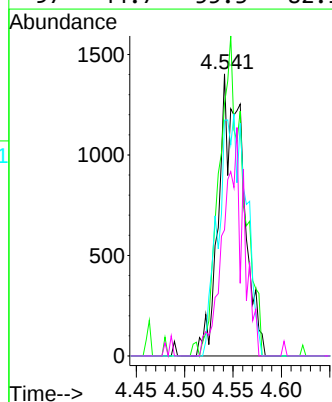
RT: 4.541 min Scan# 1376

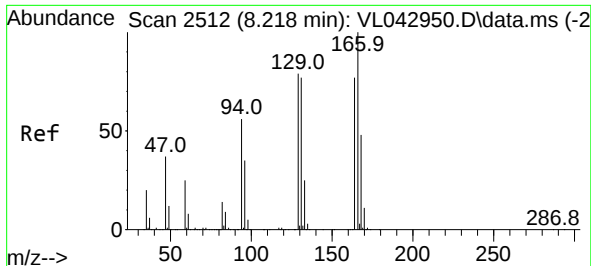
Delta R.T. -0.000 min

Lab File: VL042954.D

Acq: 22 Sep 2025 11:56

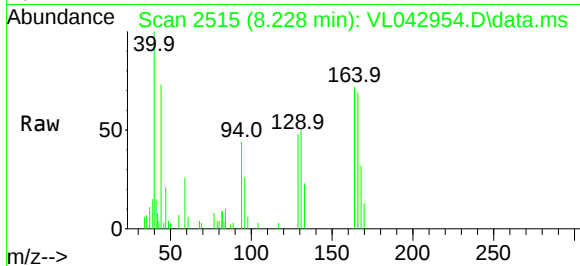
Tgt Ion:	130	Resp:	2470
Ion	Ratio	Lower	Upper
130	100		
95	89.6	83.0	124.4
132	83.6	74.6	112.0
97	44.7	55.3	82.9





#52
Tetrachloroethene
Concen: 0.111 ppbv m
RT: 8.228 min Scan# 2512
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

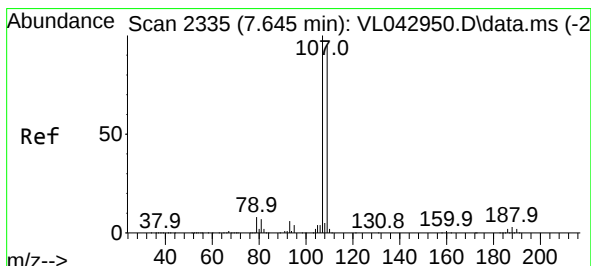
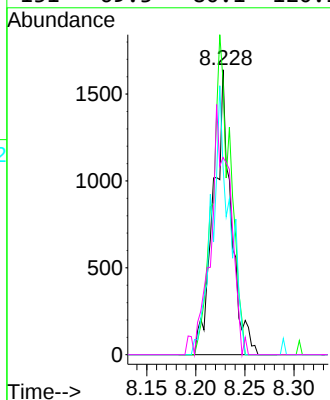
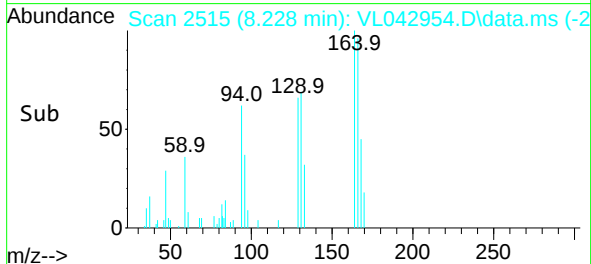
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:164 Resp: 201
Ion Ratio Lower Upper
164 100
166 96.3 103.5 155.3
129 66.4 82.2 123.4
131 69.3 80.1 120.1

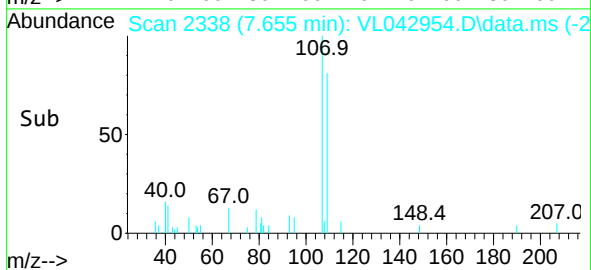
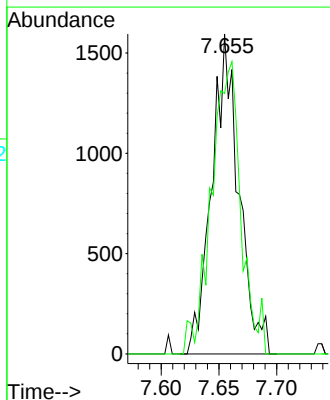
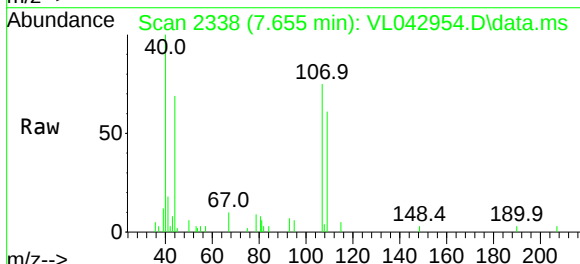
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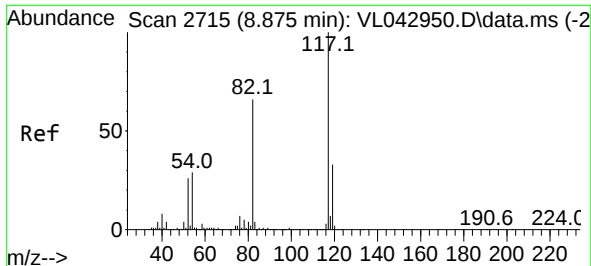
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#54
1,2-Dibromoethane
Concen: 0.102 ppbv m
RT: 7.655 min Scan# 2338
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

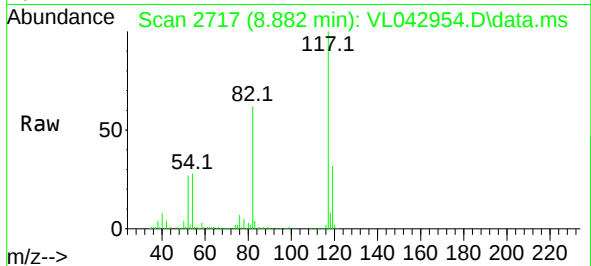
Tgt Ion:107 Resp: 2595
Ion Ratio Lower Upper
107 100
109 81.4 75.8 113.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

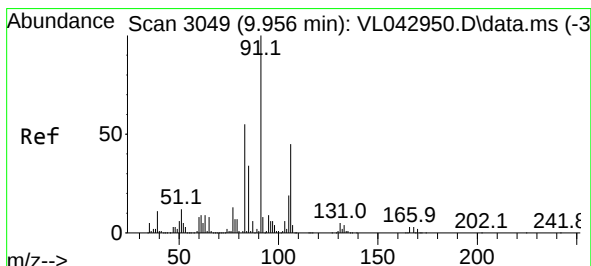
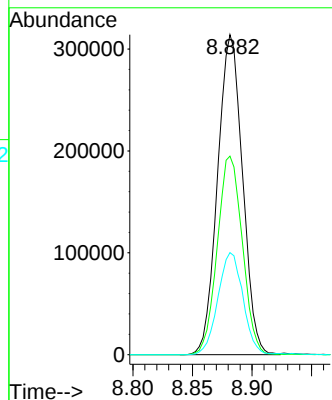
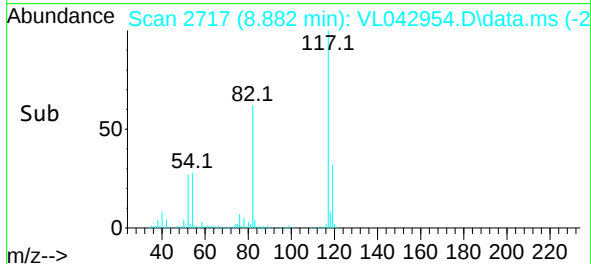
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



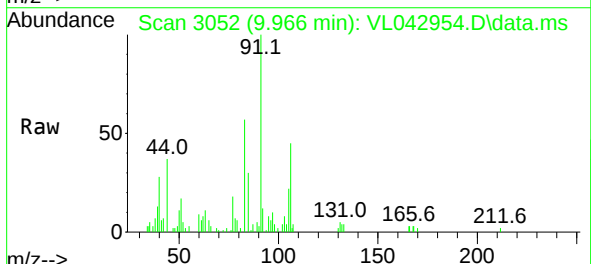
Tgt Ion: 117 Resp: 45717
Ion Ratio Lower Upper
117 100
82 62.3 52.8 79.2
119 32.3 26.5 39.7

Manual Integrations
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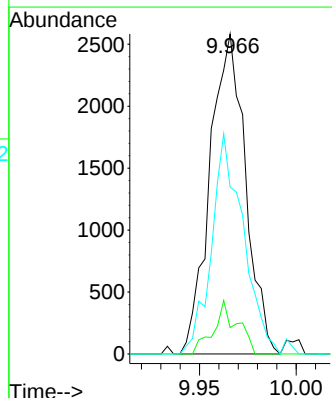
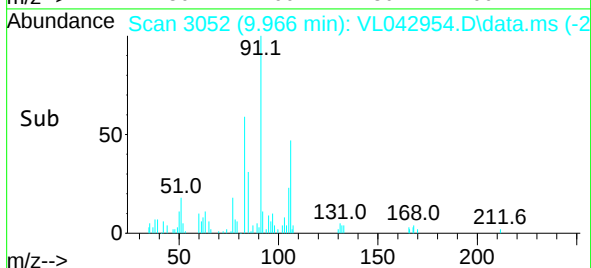
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

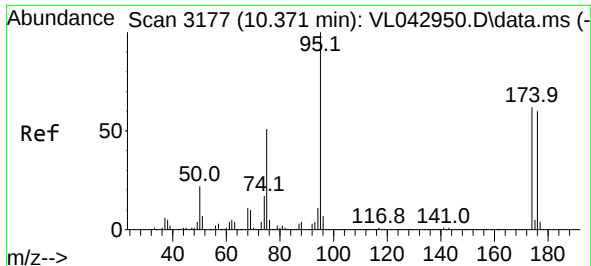


#63
1,1,2,2-Tetrachloroethane
Concen: 0.106 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.010 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56



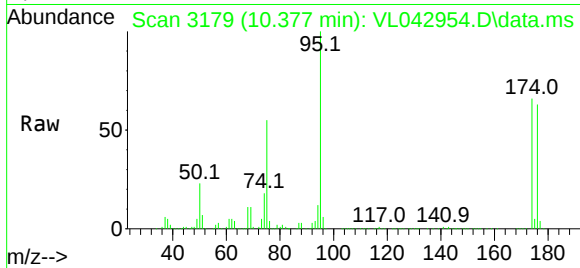
Tgt Ion: 83 Resp: 3301
Ion Ratio Lower Upper
83 100
131 11.1 4.8 14.4
85 62.2 32.2 96.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.881 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56

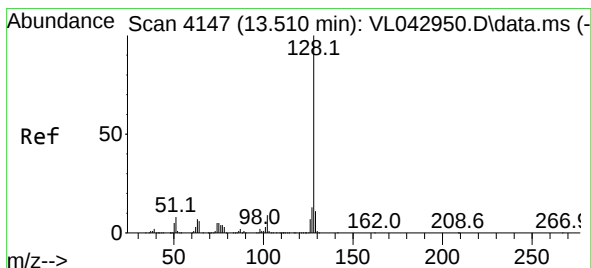
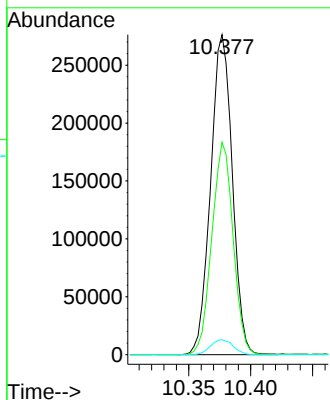
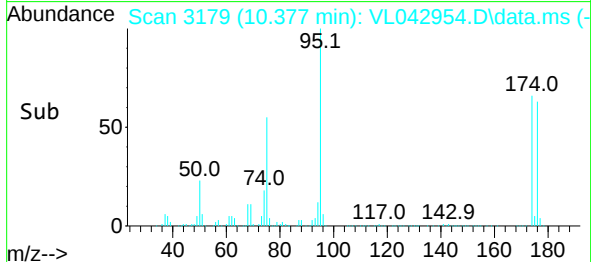
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



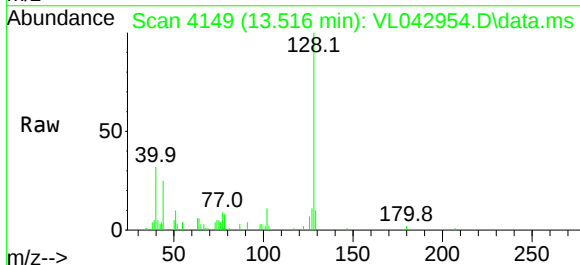
Tgt Ion: 95 Resp: 337190
Ion Ratio Lower Upper
95 100
174 65.1 51.4 77.2
175 4.9 4.0 6.0

Manual Integrations
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Supervised By :Mahesh Dadoda 09/24/2025



#79
Naphthalene
Concen: 0.085 ppbv m
RT: 13.516 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042954.D
Acq: 22 Sep 2025 11:56



Tgt Ion:128 Resp: 4997
Ion Ratio Lower Upper
128 100
127 11.1 10.6 15.8
129 10.0 9.0 13.6

