

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042521.D
 Acq On : 07 May 2025 16:49
 Operator : SY/MD
 Sample : MDL1 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	72851	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	186260	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.892	117	153339	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	138418	9.736	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	912	0.180	ppbv #	84
32) 1,1,1-Trichloroethane	3.373	97	2134	0.113	ppbv	99
35) Carbon Tetrachloride	3.758	117	2084m	0.123	ppbv	
38) Trichloroethene	4.561	130	864m	0.129	ppbv	
52) Tetrachloroethene	8.238	164	555m	0.083	ppbv	
54) 1,2-Dibromoethane	7.678	107	1064m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	1753	0.118	ppbv	92
79) Naphthalene	13.520	128	714m	0.031	ppbv	

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

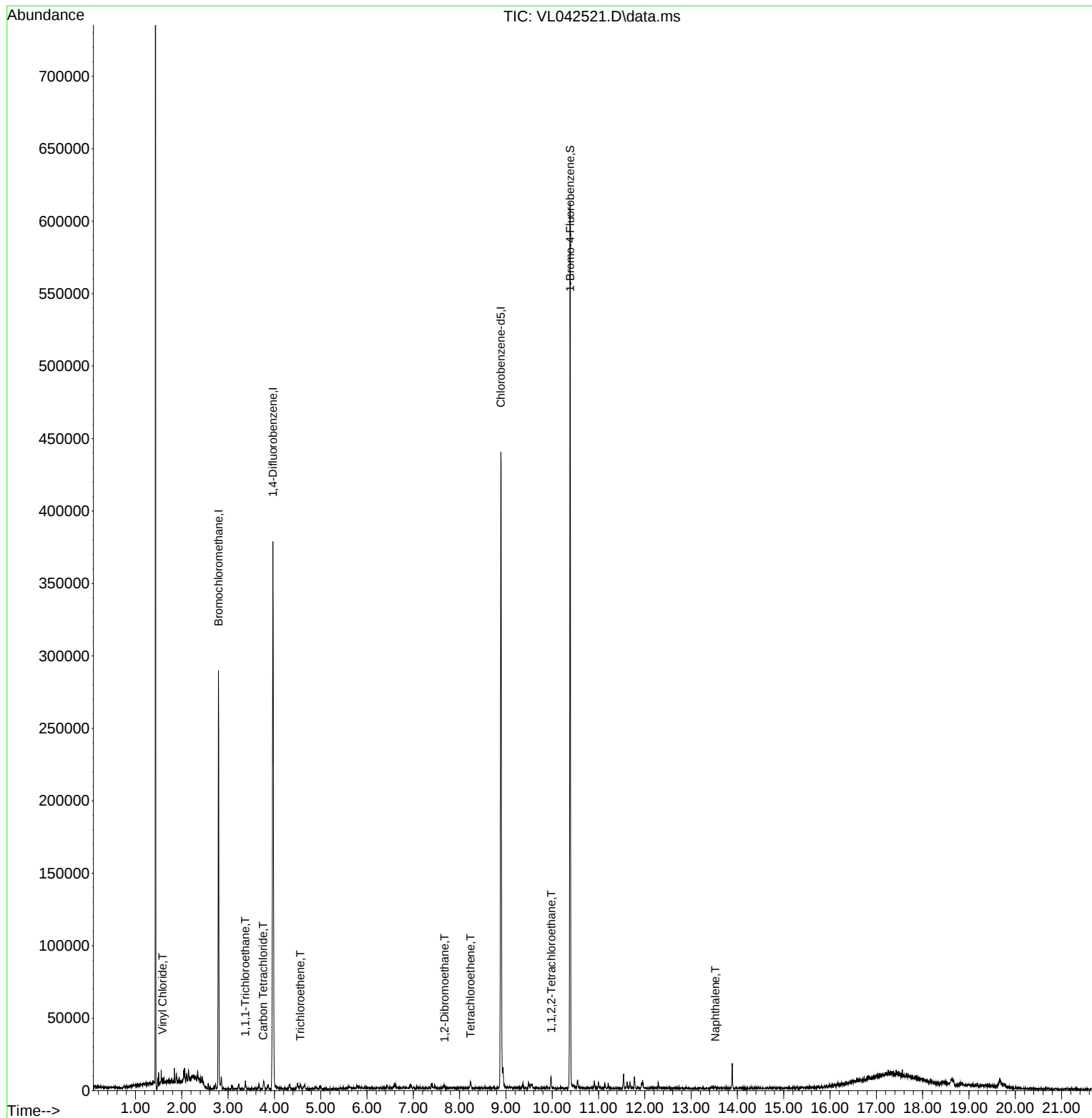
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
Data File : VL042521.D
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Operator : SY/MD
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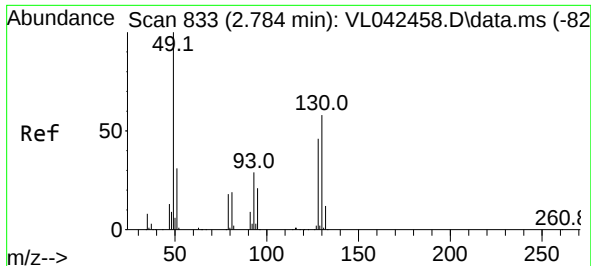
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

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Quant Time: May 08 01:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





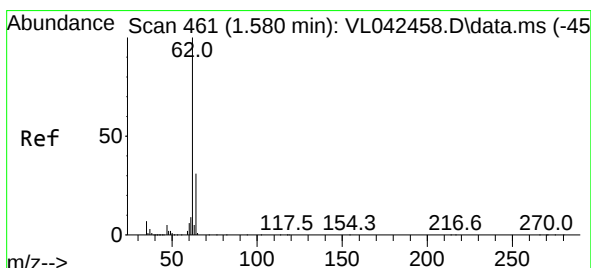
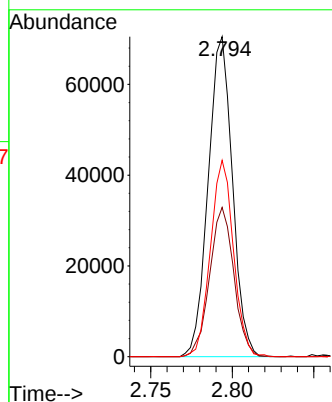
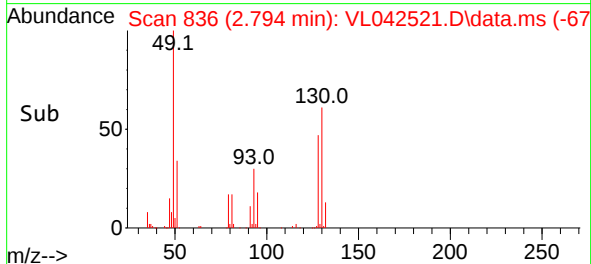
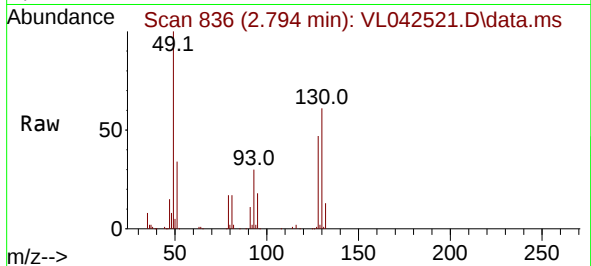
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Tgt Ion: 49 Resp: 7285
Ion Ratio Lower Upper
49 100
128 46.7 23.3 69.9
130 58.5 29.5 88.6

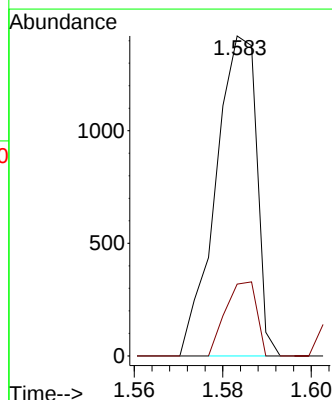
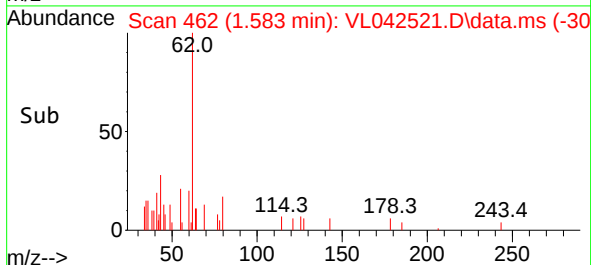
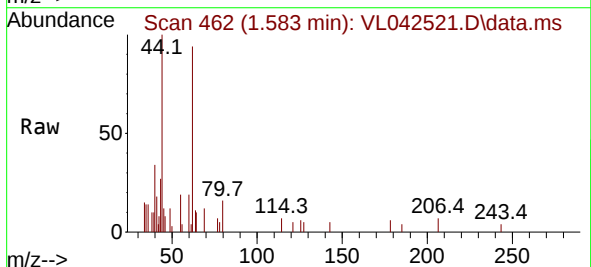
Manual Integrations
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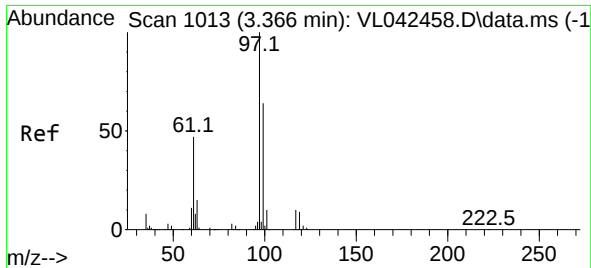
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.180 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.004 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

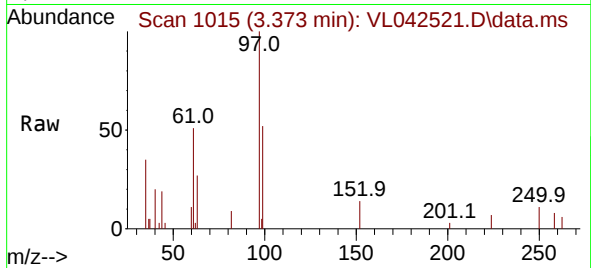
Tgt Ion: 62 Resp: 912
Ion Ratio Lower Upper
62 100
64 22.4 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.113 ppbv
RT: 3.373 min Scan# 1013
Delta R.T. 0.007 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

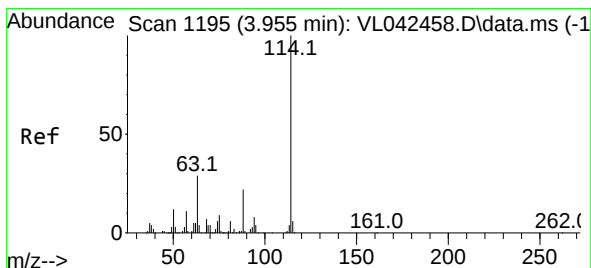
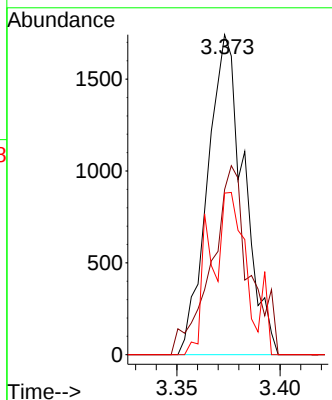
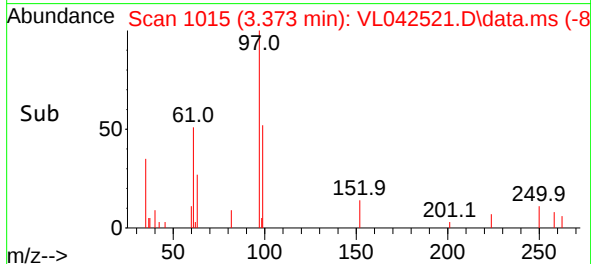
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1



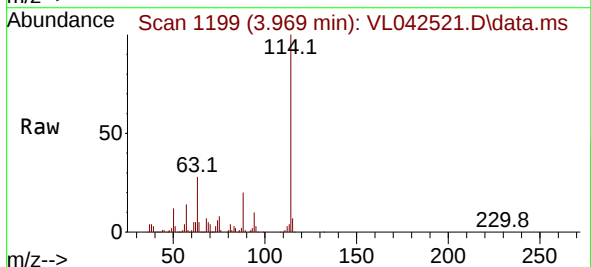
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Ion Ratio Lower Upper
97 100
99 61.5 50.7 76.1
61 51.1 40.9 61.3

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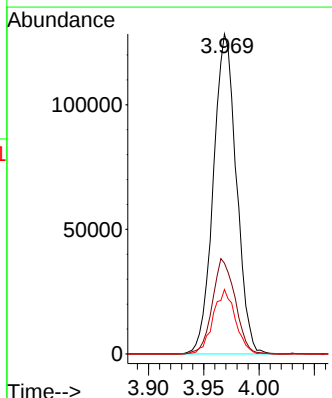
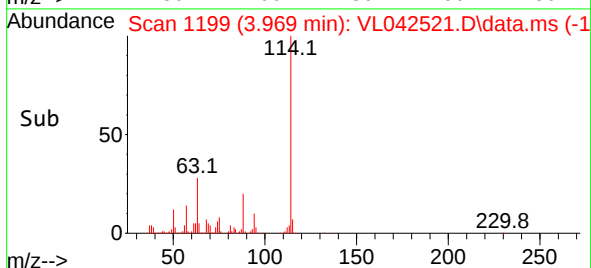
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025

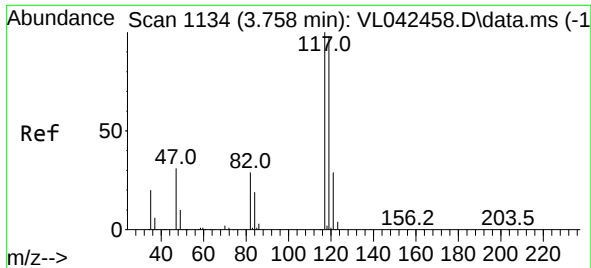


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.969 min Scan# 1199
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49



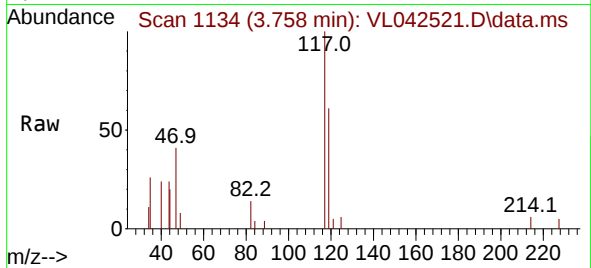
Tgt Ion:114 Resp: 186260
Ion Ratio Lower Upper
114 100
63 29.4 23.1 34.7
88 19.5 16.1 24.1





#35
Carbon Tetrachloride
Concen: 0.123 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

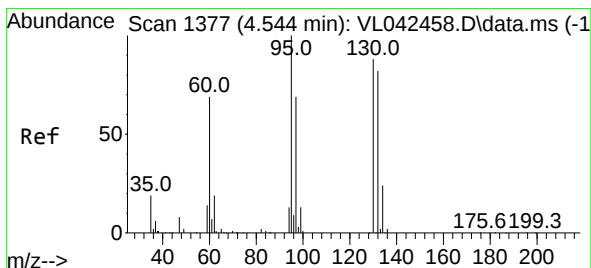
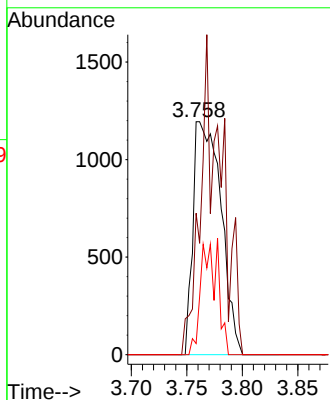
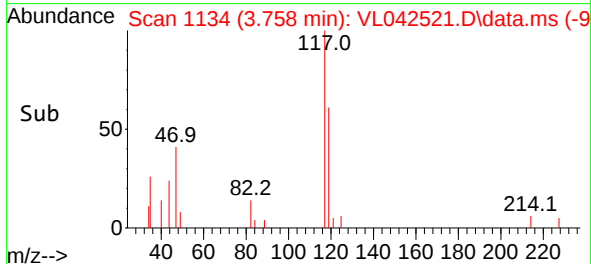
Instrument : MSVOA_L
ClientSampleId : MDL1 0.1



Tgt Ion:117 Resp: 2084
Ion Ratio Lower Upper
117 100
119 60.7 78.1 117.1#
121 4.9 23.0 34.6#

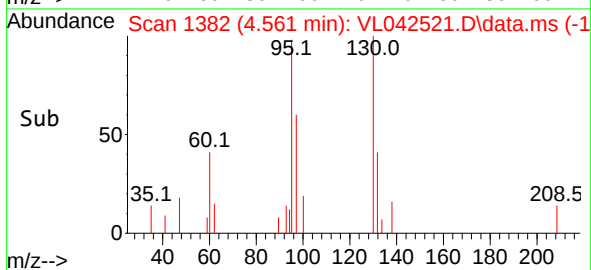
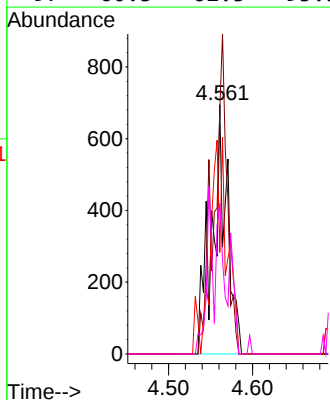
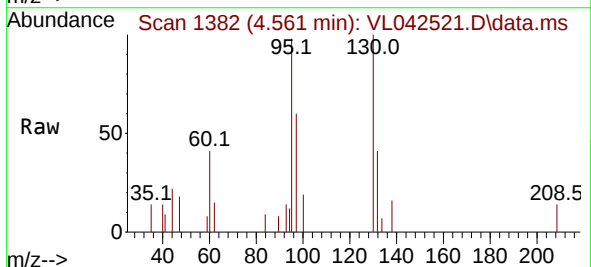
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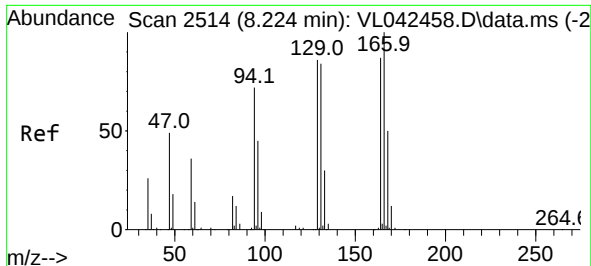
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38
Trichloroethene
Concen: 0.129 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.017 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

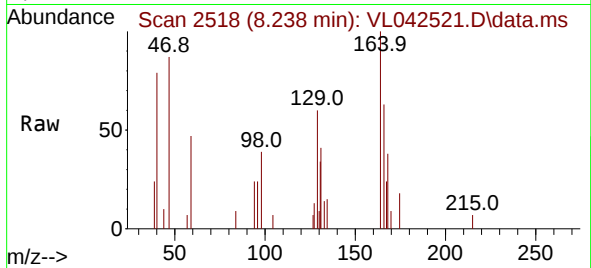
Tgt Ion:130 Resp: 864
Ion Ratio Lower Upper
130 100
95 97.7 91.0 136.4
132 40.7 74.2 111.4#
97 60.3 62.3 93.5#





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 8.238 min Scan# 2518
Delta R.T. 0.013 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

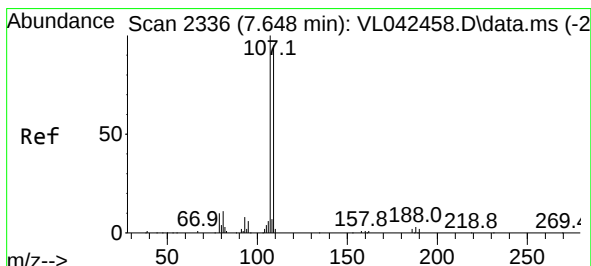
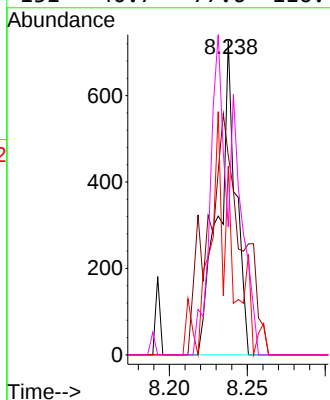
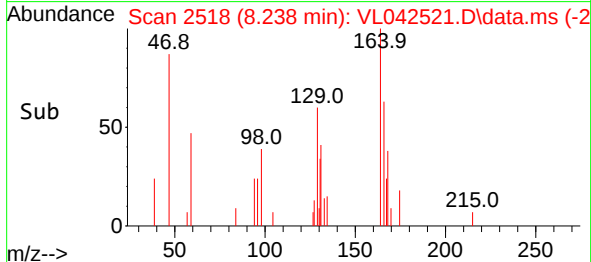
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1



Tgt Ion:164 Resp: 558
Ion Ratio Lower Upper
164 100
166 63.4 91.6 137.4
129 60.0 79.0 118.4
131 40.7 77.6 116.4

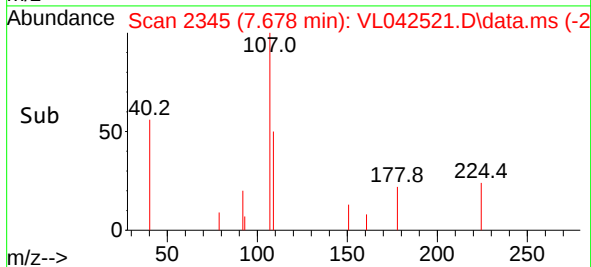
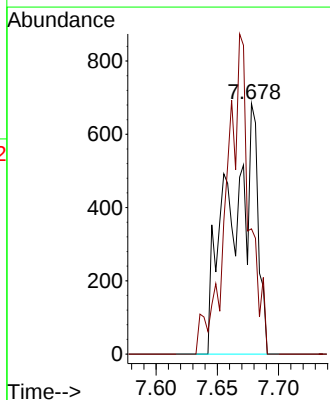
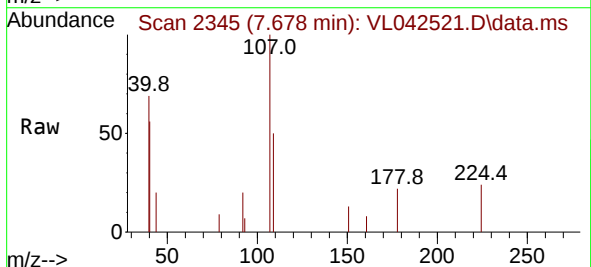
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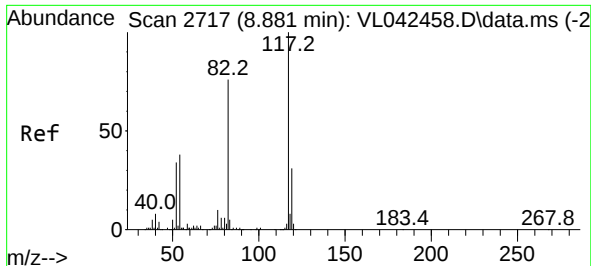
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#54
1,2-Dibromoethane
Concen: 0.096 ppbv m
RT: 7.678 min Scan# 2345
Delta R.T. 0.030 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:107 Resp: 1064
Ion Ratio Lower Upper
107 100
109 50.0 76.0 114.0





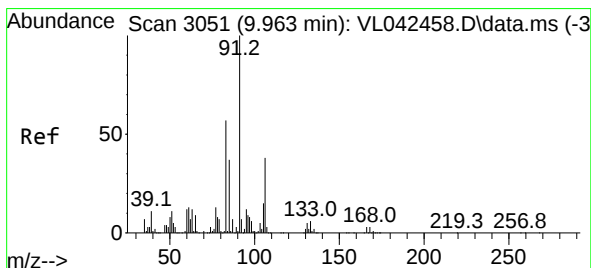
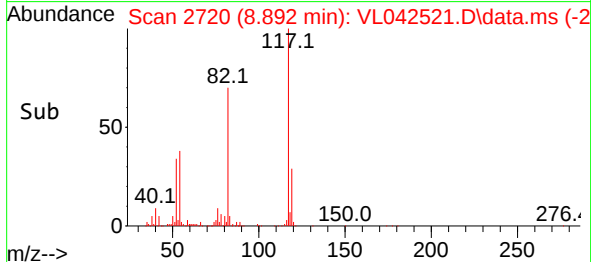
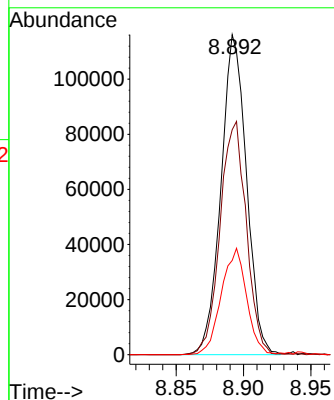
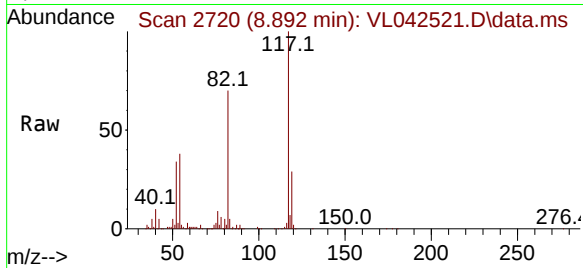
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Tgt Ion: 117 Resp: 153339
Ion Ratio Lower Upper
117 100
82 75.0 63.5 95.3
119 33.6 25.8 38.8

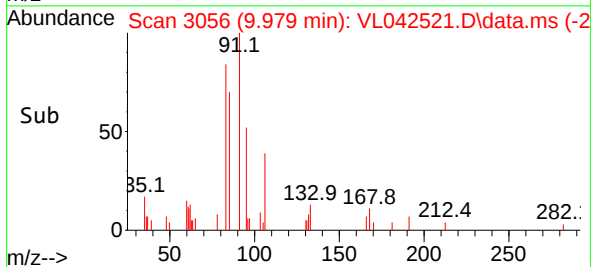
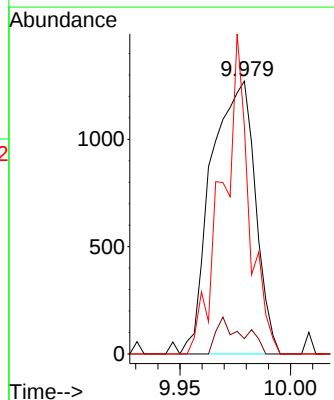
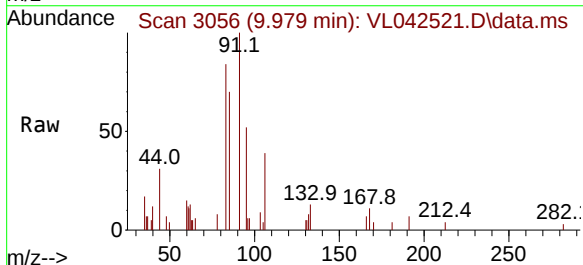
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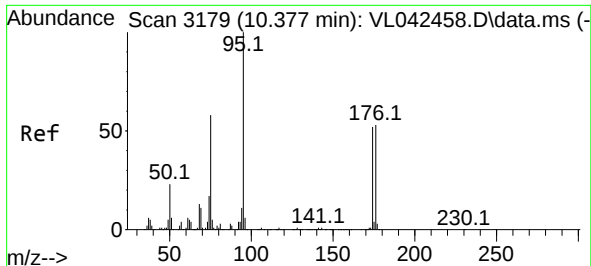
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.118 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.017 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

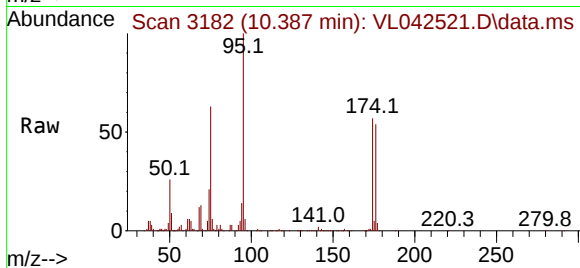
Tgt Ion: 83 Resp: 1753
Ion Ratio Lower Upper
83 100
131 8.0 4.7 14.1
85 72.0 32.5 97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.736 ppbv
RT: 10.387 min Scan# 3179
Delta R.T. 0.010 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

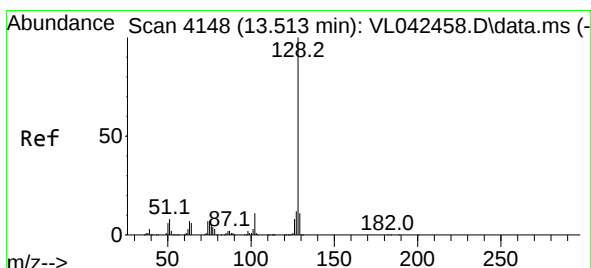
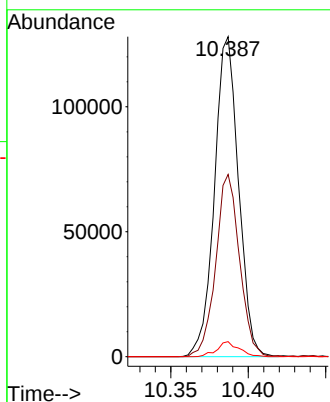
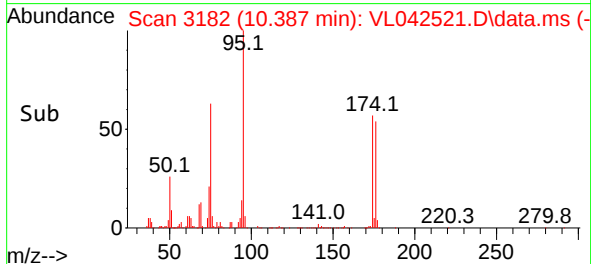
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1



Tgt Ion: 95 Resp: 138418
Ion Ratio Lower Upper
95 100
174 56.3 42.7 64.1
175 4.3 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#79
Naphthalene
Concen: 0.031 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL042521.D
Acq: 07 May 2025 16:49

Tgt Ion:128 Resp: 714
Ion Ratio Lower Upper
128 100
127 7.4 9.7 14.5#
129 6.9 8.6 13.0#

