

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042499.D
 Acq On : 06 May 2025 16:32
 Operator : SY/MD
 Sample : MDL2 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 02:46:23 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	2.793	49	64942	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	169525	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.894	117	141675	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	127872	9.735	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	209	0.046	ppbv #	44
32) 1,1,1-Trichloroethane	3.386	97	653m	0.039	ppbv	
35) Carbon Tetrachloride	3.777	117	775m	0.050	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.985	83	434m	0.032	ppbv	

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

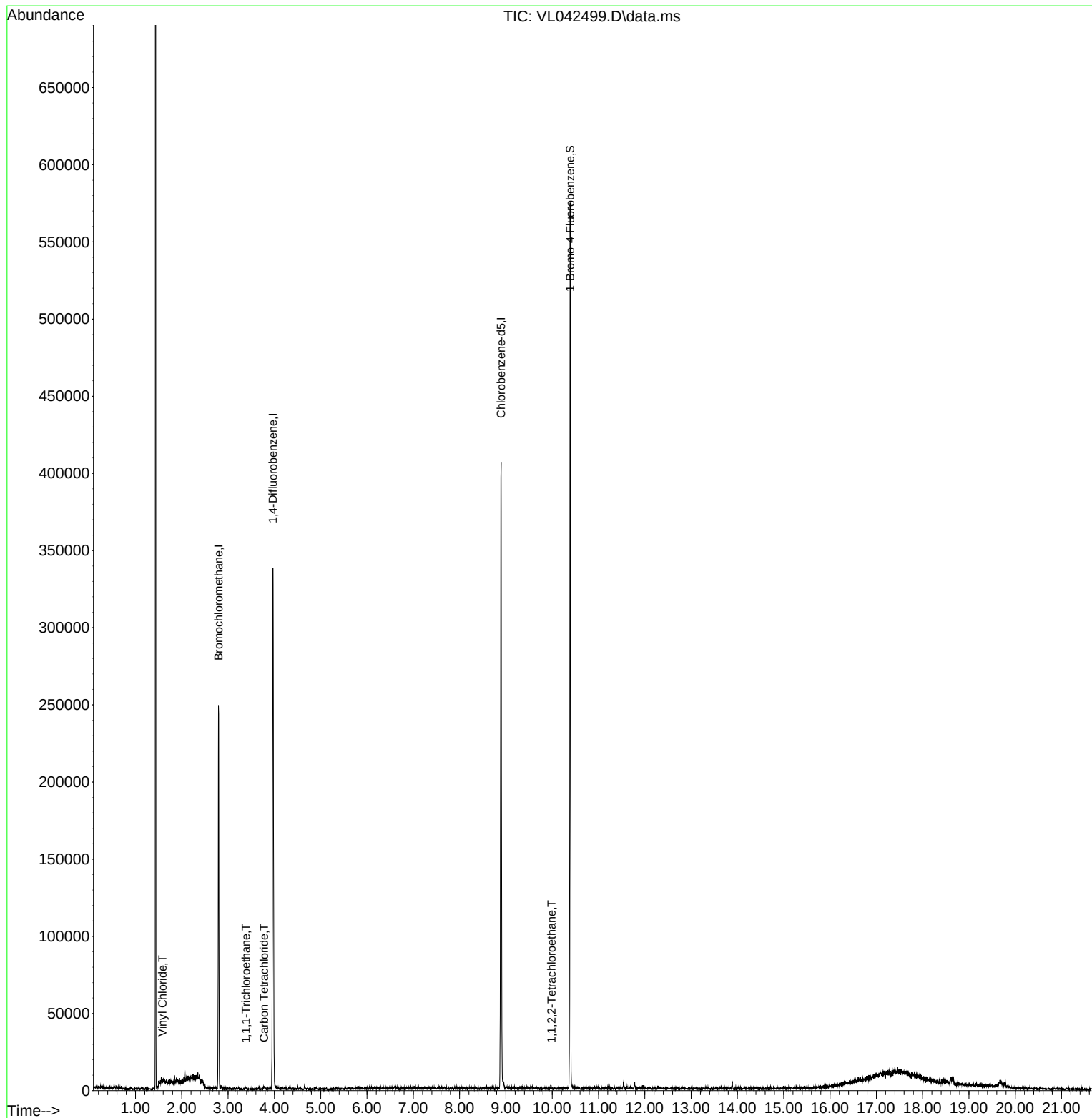
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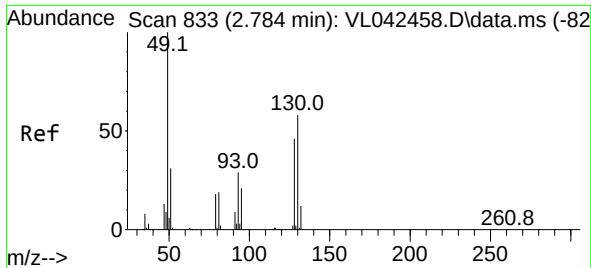
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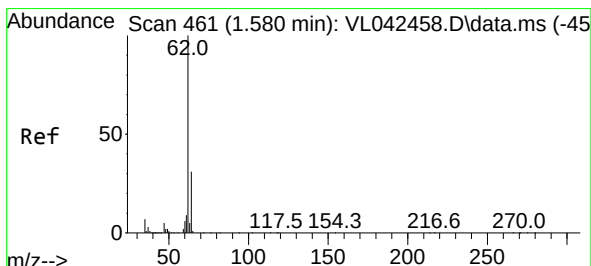
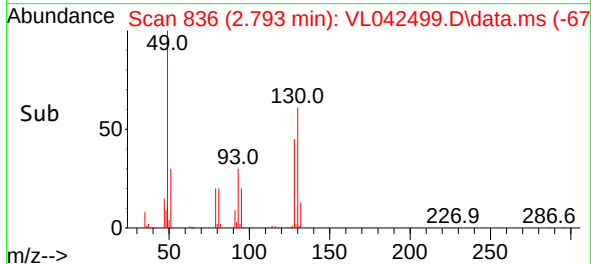
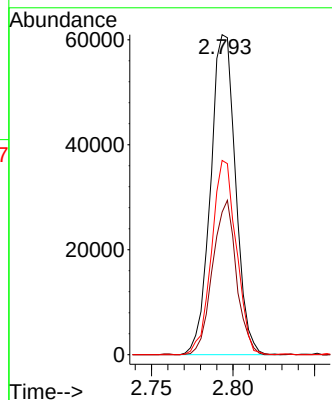
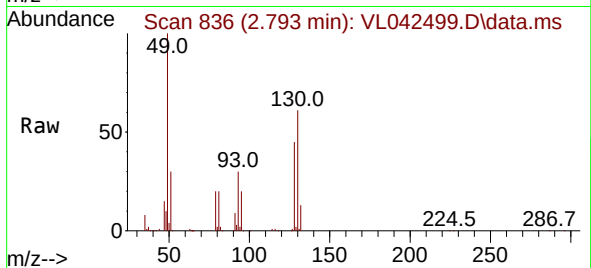
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.03

Tgt Ion: 49 Resp: 6494
Ion Ratio Lower Upper
49 100
128 46.0 23.3 69.9
130 60.2 29.5 88.6

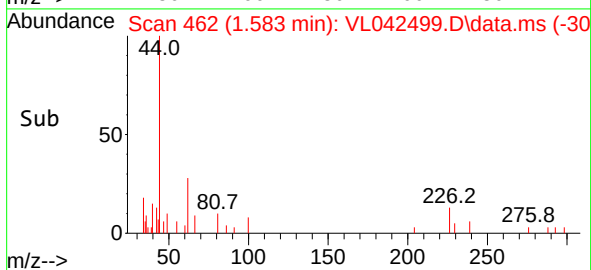
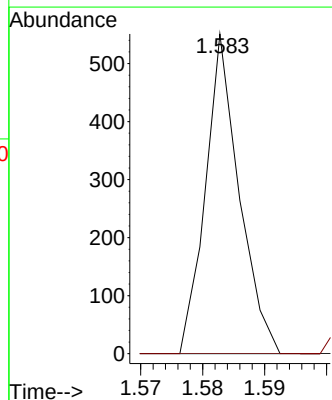
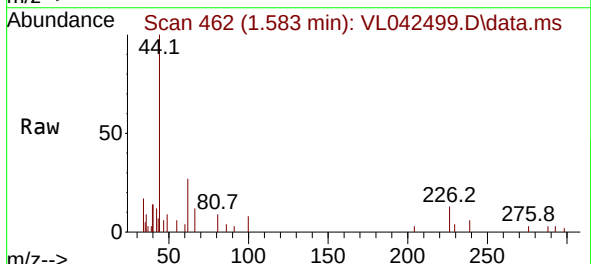
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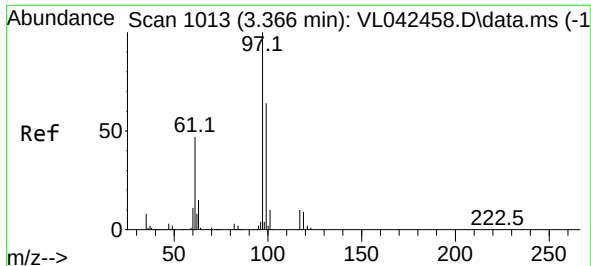
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.046 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

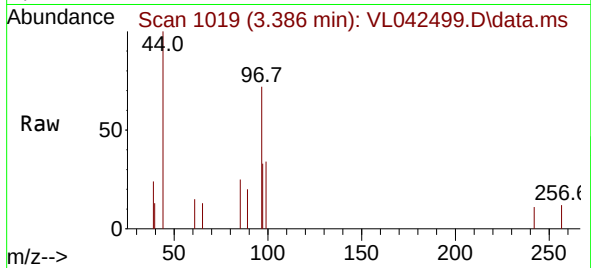
Tgt Ion: 62 Resp: 209
Ion Ratio Lower Upper
62 100
64 0.0 24.9 37.3#





#32
 1,1,1-Trichloroethane
 Concen: 0.039 ppbv m
 RT: 3.386 min Scan# 1013
 Delta R.T. 0.019 min
 Lab File: VL042499.D
 Acq: 06 May 2025 16:32

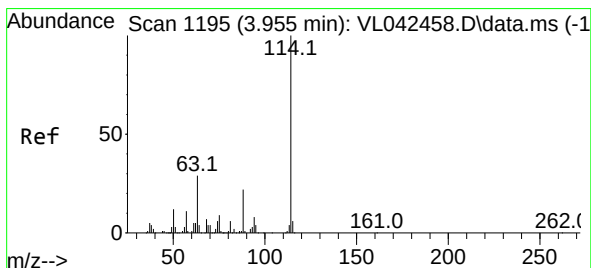
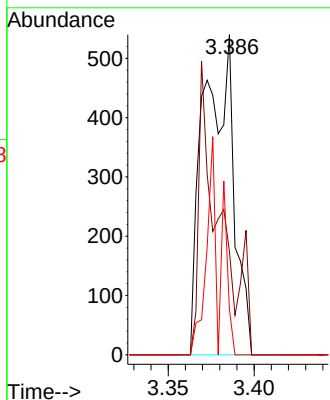
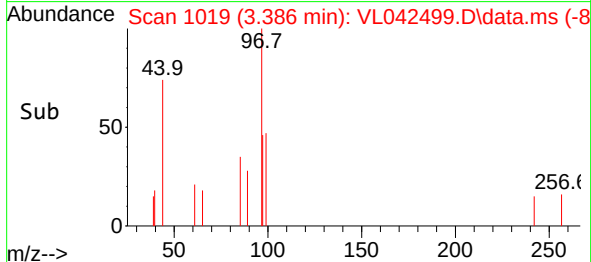
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.03



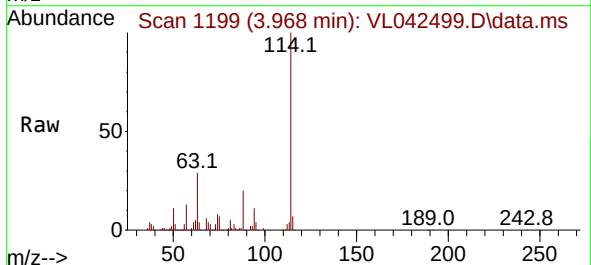
Tgt Ion: 97 Resp: 65
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.7 76.1
 61 30.6 40.9 61.3

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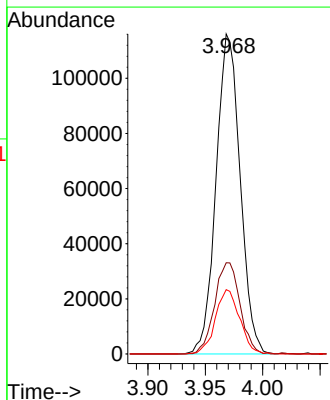
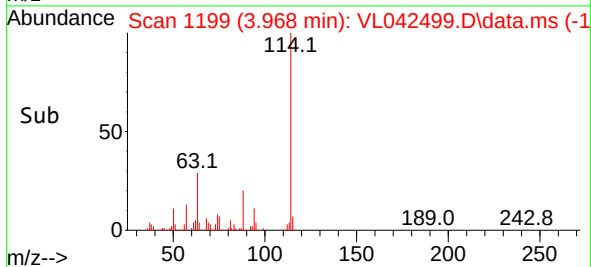
Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

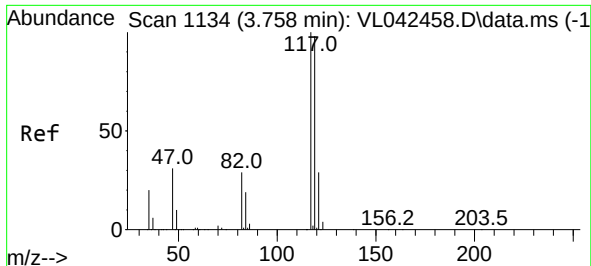


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. 0.013 min
 Lab File: VL042499.D
 Acq: 06 May 2025 16:32



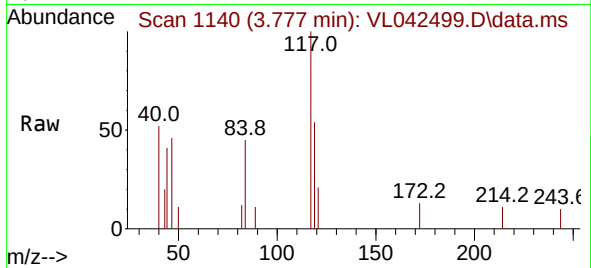
Tgt Ion:114 Resp: 169525
 Ion Ratio Lower Upper
 114 100
 63 30.1 23.1 34.7
 88 20.3 16.1 24.1





#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 3.777 min Scan# 1134
Delta R.T. 0.019 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

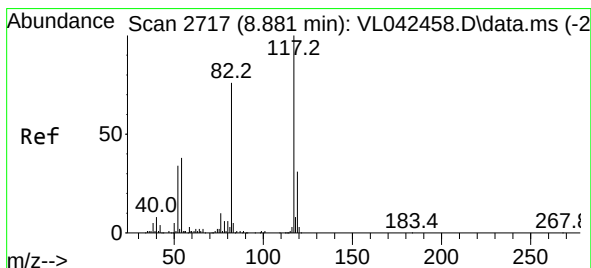
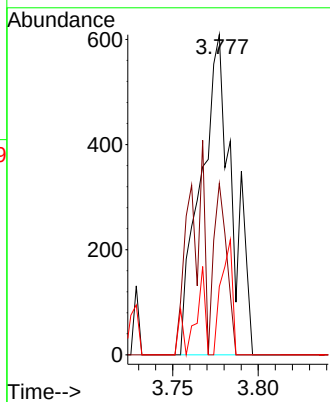
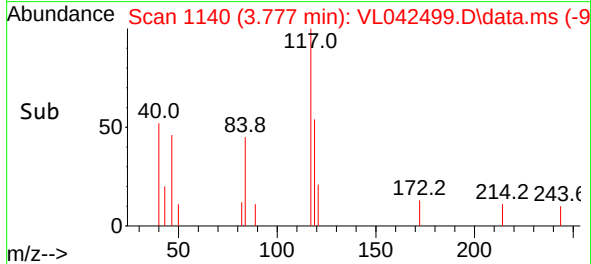
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.03



Tgt Ion:117 Resp: 779
Ion Ratio Lower Upper
117 100
119 53.5 78.1 117.1
121 21.3 23.0 34.6

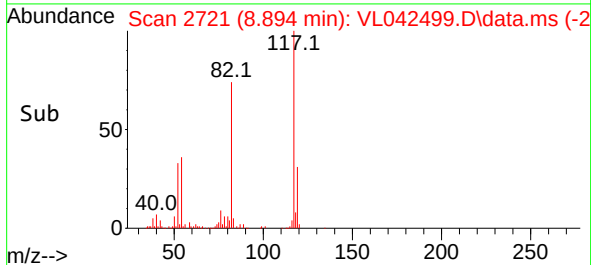
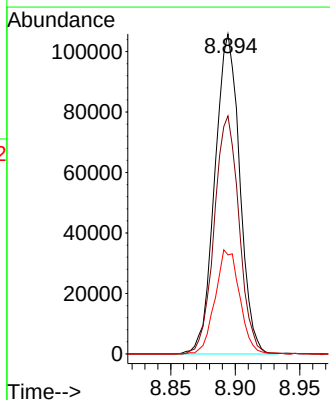
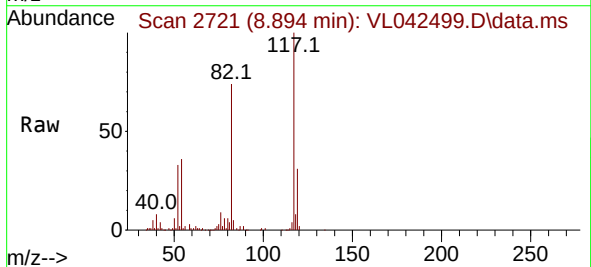
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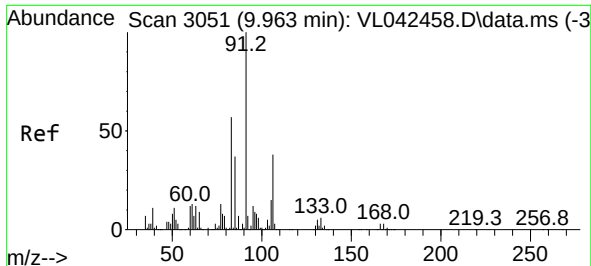
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. 0.013 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

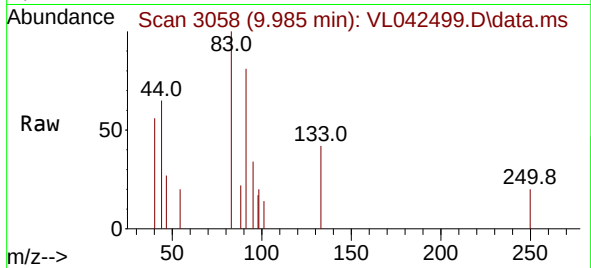
Tgt Ion:117 Resp: 141675
Ion Ratio Lower Upper
117 100
82 74.2 63.5 95.3
119 32.3 25.8 38.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.032 ppbv m
RT: 9.985 min Scan# 3051
Delta R.T. 0.023 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

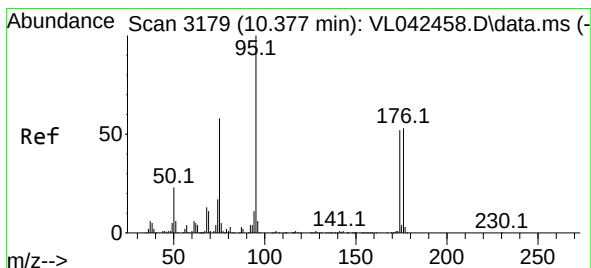
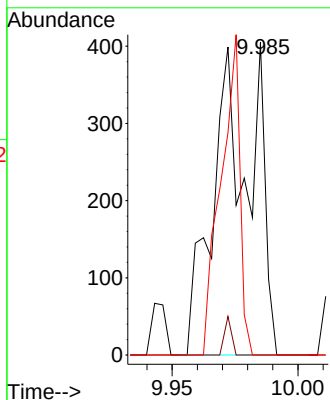
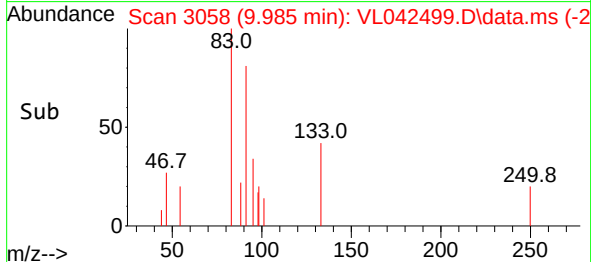
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.03



Tgt Ion: 83 Resp: 434
Ion Ratio Lower Upper
83 100
131 2.3 4.7 14.1
85 50.2 32.5 97.4

Manual Integrations
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Supervised By :Mahesh Dadoda 05/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.735 ppbv
RT: 10.386 min Scan# 3182
Delta R.T. 0.010 min
Lab File: VL042499.D
Acq: 06 May 2025 16:32

Tgt Ion: 95 Resp: 127872
Ion Ratio Lower Upper
95 100
174 54.4 42.7 64.1
175 4.0 3.6 5.4

