

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042846.D
 Acq On : 13 Aug 2025 10:53
 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

08/14/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Aug 14 01:49:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 14 2025
 QLast Update : Thu Aug 14 01:44:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							08/18/2025
1) Bromochloromethane	2.790	49	123711	10.000	ppbv	0.00	
33) 1,4-Difluorobenzene	3.962	114	390520	10.000	ppbv	0.00	
55) Chlorobenzene-d5	8.888	117	345073	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	257439	9.948	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%	
Target Compounds							Qvalue
5) Vinyl Chloride	1.583	62	790	0.110	ppbv	#	86
32) 1,1,1-Trichloroethane	3.373	97	3128m	0.113	ppbv		
35) Carbon Tetrachloride	3.774	117	2883	0.107	ppbv		89
38) Trichloroethene	4.557	130	1748m	0.102	ppbv		
52) Tetrachloroethene	8.234	164	1479m	0.109	ppbv		
54) 1,2-Dibromoethane	7.665	107	2339m	0.111	ppbv		
63) 1,1,2,2-Tetrachloroethane	9.972	83	2672	0.102	ppbv		99
79) Naphthalene	13.520	128	4051m	0.083	ppbv		

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

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ClientSampleId :
VSTDICC0.1

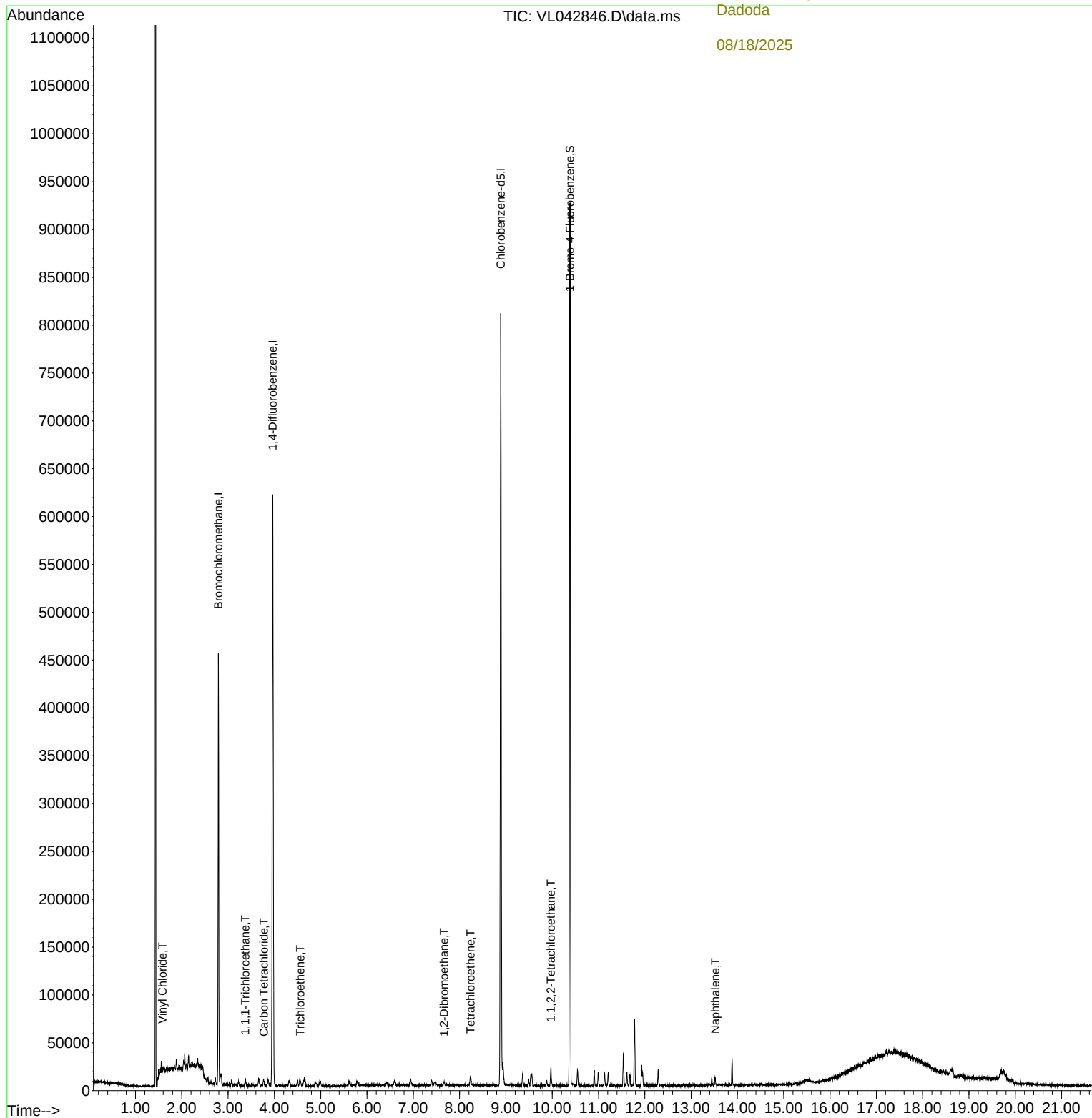
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Aug 14 01:44:36 2025
Response via : Initial Calibration

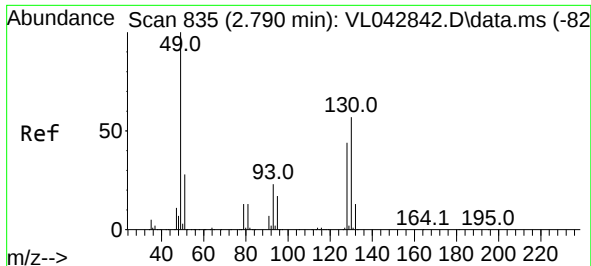
Manual Integrations
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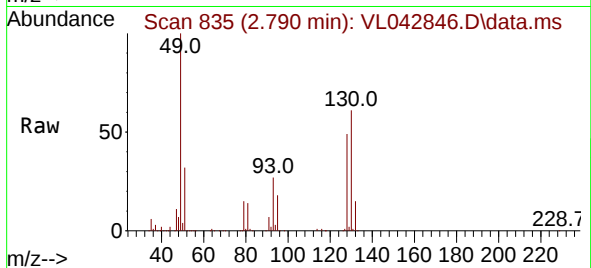
08/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

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ClientSampleId :
VSTDIC0.1



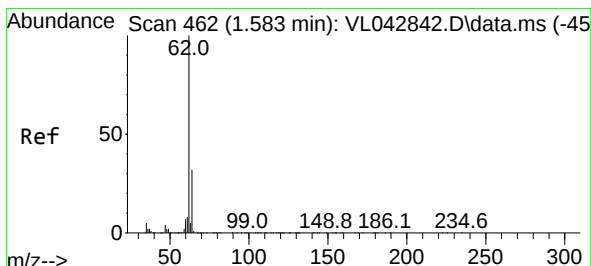
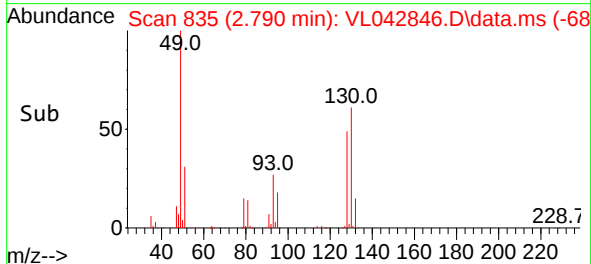
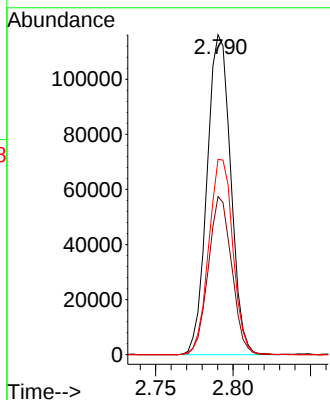
Tgt Ion: 49 Resp: 12371
Ion Ratio Lower Upper
49 100
128 48.6 23.7 71.1
130 62.1 30.6 91.6

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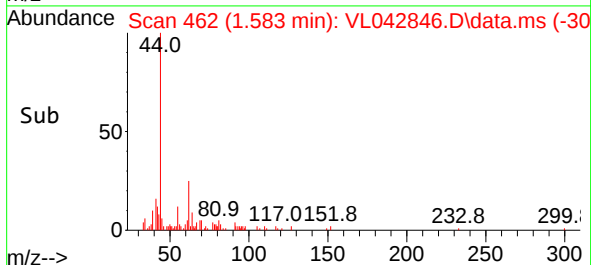
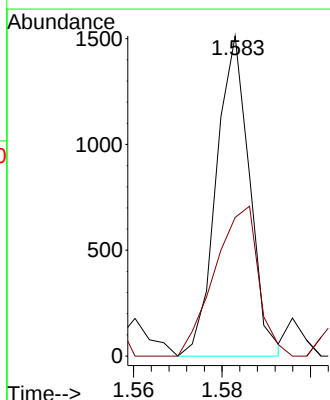
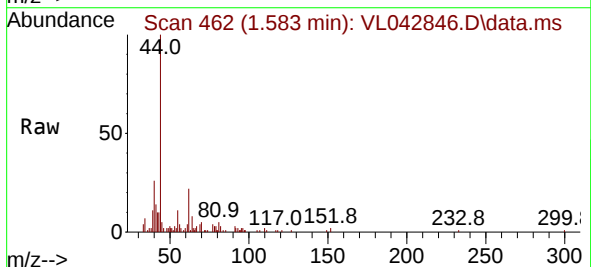
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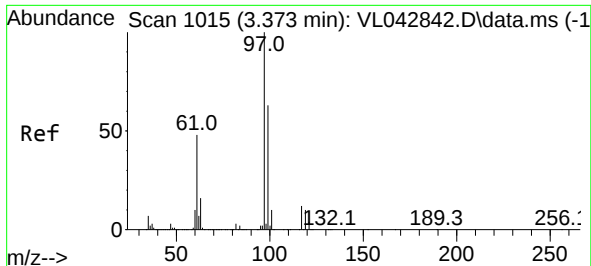
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#5
Vinyl Chloride
Concen: 0.110 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

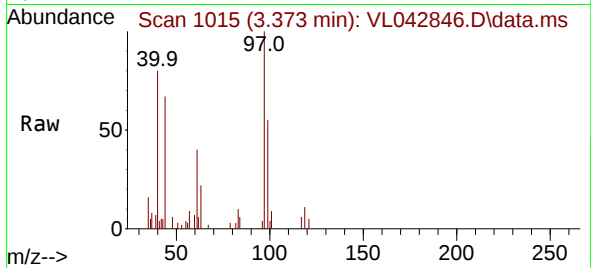
Tgt Ion: 62 Resp: 790
Ion Ratio Lower Upper
62 100
64 39.7 25.4 38.2#





#32
1,1,1-Trichloroethane
Concen: 0.113 ppbv m
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



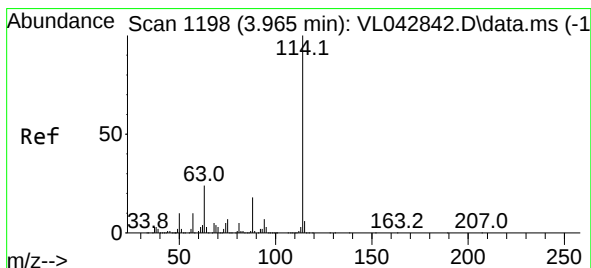
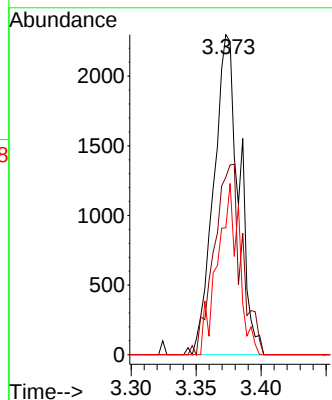
Tgt Ion: 97 Resp: 3128
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 45.6 38.0 57.0

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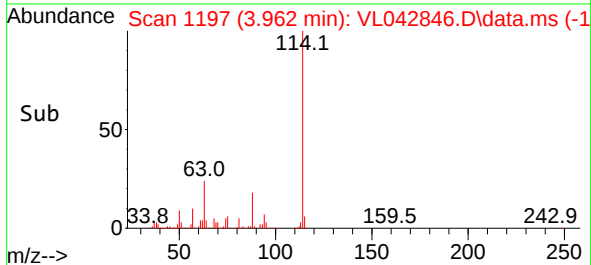
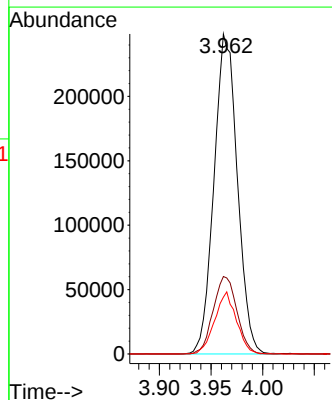
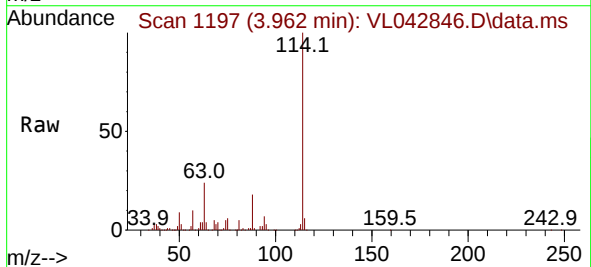
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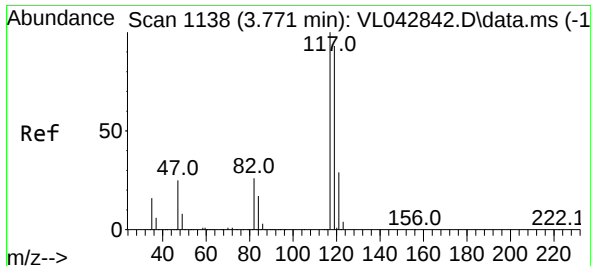
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

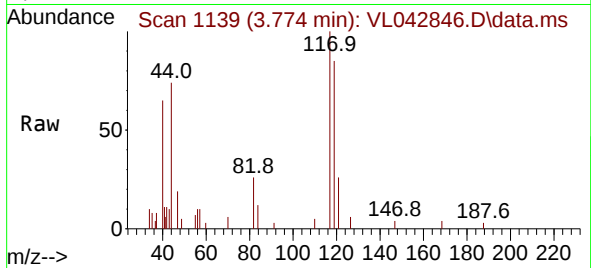
Tgt Ion:114 Resp: 390520
Ion Ratio Lower Upper
114 100
63 24.6 19.7 29.5
88 18.1 14.4 21.6





#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



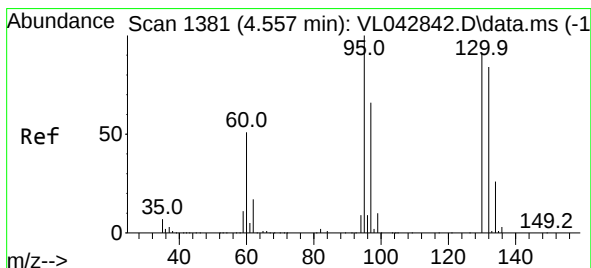
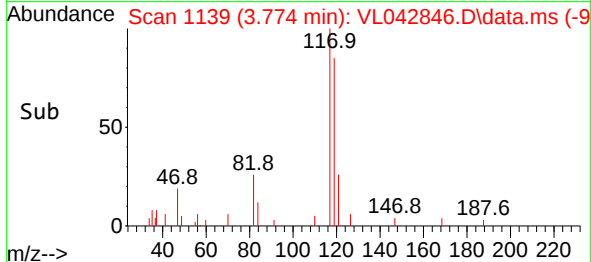
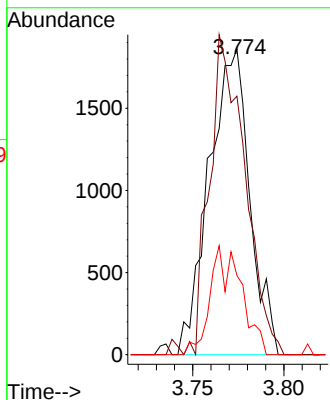
Tgt Ion:117 Resp: 288
Ion Ratio Lower Upper
117 100
119 81.8 74.7 112.1
121 25.9 23.2 34.8

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Yesilyurt

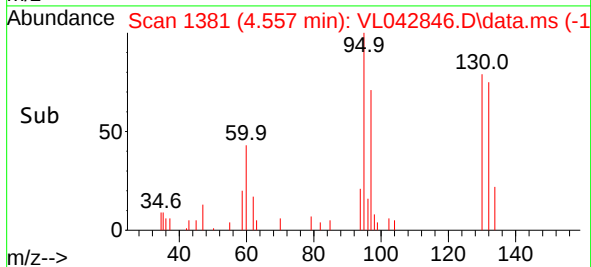
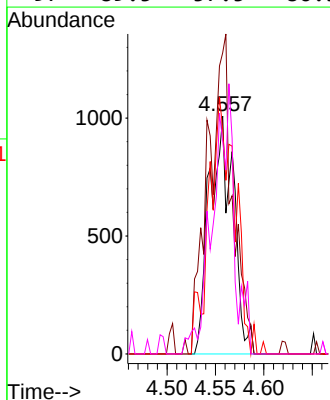
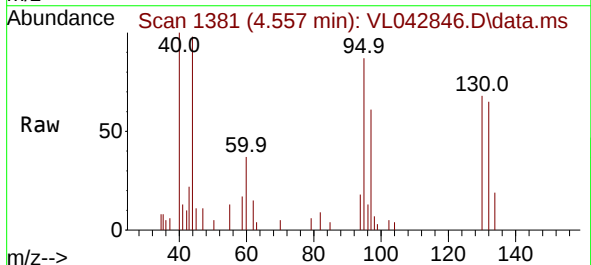
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Supervised By :Mahesh
Dadoda

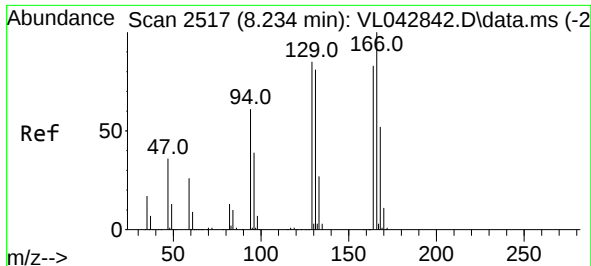
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#38
Trichloroethene
Concen: 0.102 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

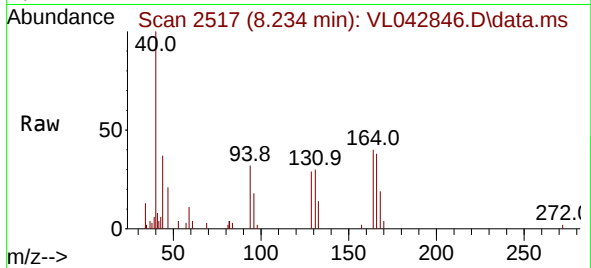
Tgt Ion:130 Resp: 1748
Ion Ratio Lower Upper
130 100
95 126.6 87.6 131.4
132 94.4 73.8 110.8
97 89.5 57.5 86.3#





#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.1



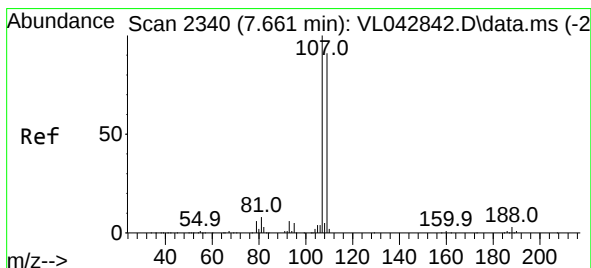
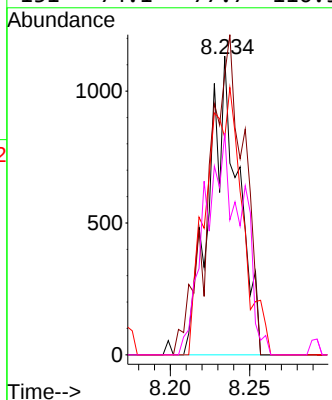
Tgt Ion:164 Resp: 1479
Ion Ratio Lower Upper
164 100
166 94.0 96.5 144.7
129 72.7 81.8 122.6
131 74.1 77.7 116.5

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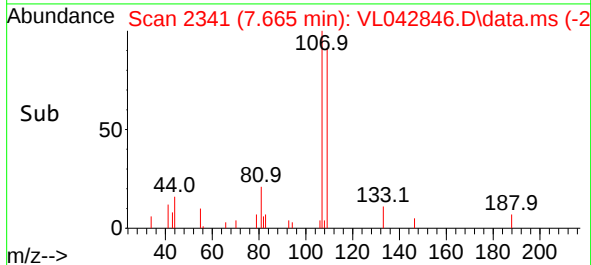
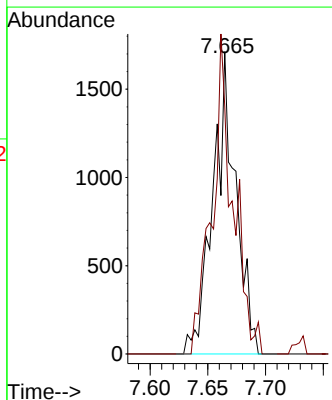
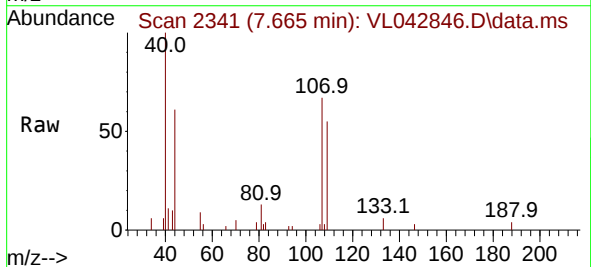
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Dadoda

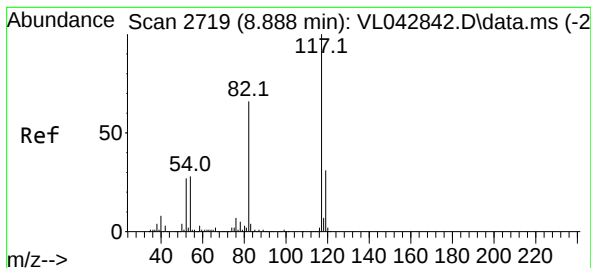
08/18/2025



#54
1,2-Dibromoethane
Concen: 0.111 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:107 Resp: 2339
Ion Ratio Lower Upper
107 100
109 82.0 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. -0.000 min

Lab File: VL042846.D

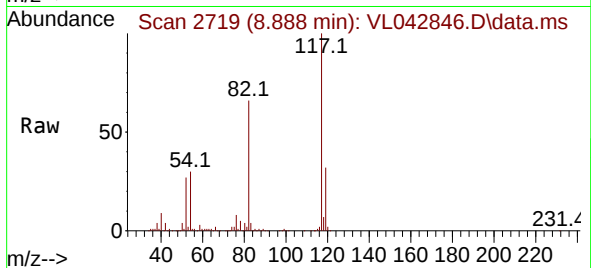
Acq: 13 Aug 2025 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion: 117 Resp: 34507

Ion Ratio Lower Upper

117 100

82 64.3 54.6 81.8

119 32.2 25.9 38.9

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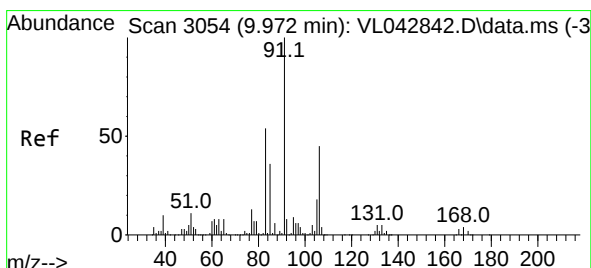
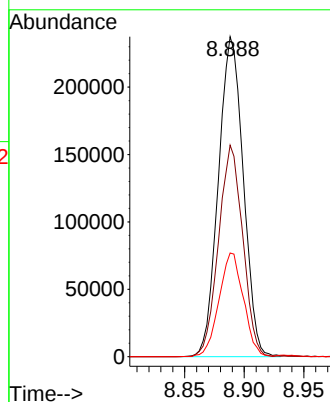
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Dadoda

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.102 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL042846.D

Acq: 13 Aug 2025 10:53

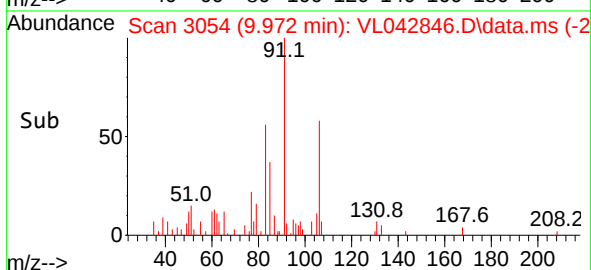
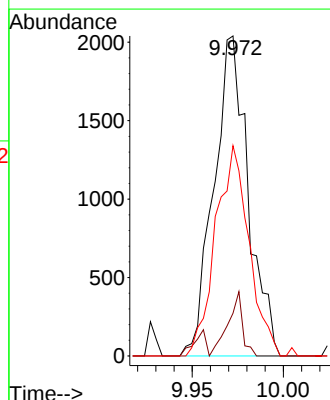
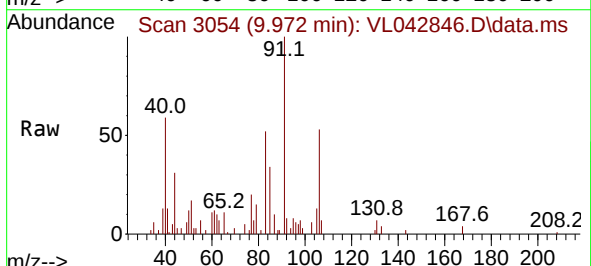
Tgt Ion: 83 Resp: 2672

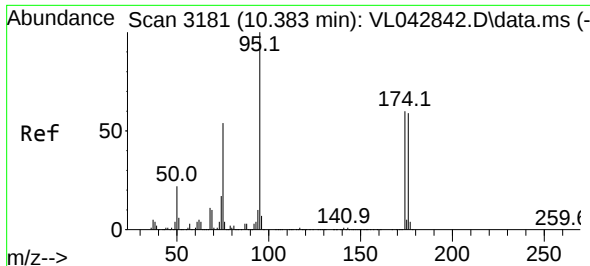
Ion Ratio Lower Upper

83 100

131 11.4 4.8 14.3

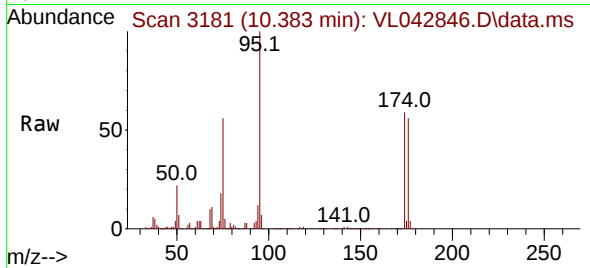
85 64.3 32.3 96.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.948 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. -0.000 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



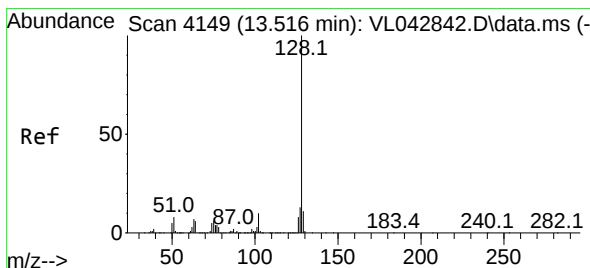
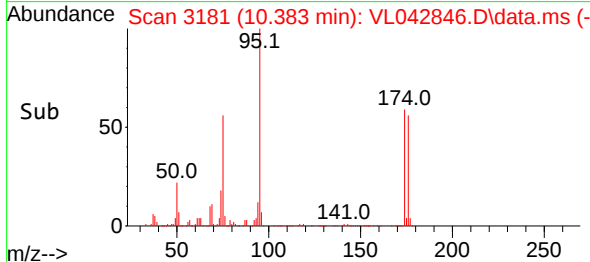
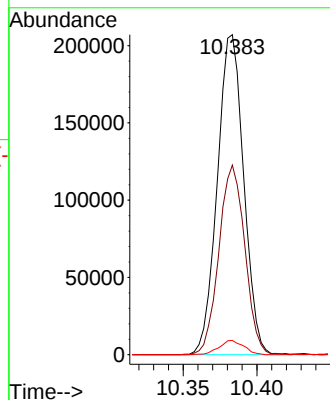
Tgt Ion: 95 Resp: 257439
Ion Ratio Lower Upper
95 100
174 58.3 48.4 72.6
175 4.2 3.8 5.8

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#79
Naphthalene
Concen: 0.083 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL042846.D
Acq: 13 Aug 2025 10:53

Tgt Ion:128 Resp: 4051
Ion Ratio Lower Upper
128 100
127 6.9 10.6 16.0#
129 7.9 8.9 13.3#

