

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042506.D
 Acq On : 06 May 2025 20:13
 Operator : SY/MD
 Sample : MDL3 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.1

Manual Integrations
 APPROVED

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

Quant Time: May 07 03:24:05 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	67306	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	172903	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	144734	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	135183	10.074	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	569	0.121	ppbv	# 59
32) 1,1,1-Trichloroethane	3.370	97	2432m	0.140	ppbv	
35) Carbon Tetrachloride	3.771	117	2064m	0.131	ppbv	
38) Trichloroethene	4.561	130	885m	0.142	ppbv	
52) Tetrachloroethene	8.228	164	518m	0.083	ppbv	
54) 1,2-Dibromoethane	7.661	107	1196m	0.117	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	1954m	0.140	ppbv	
79) Naphthalene	13.523	128	866m	0.040	ppbv	

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

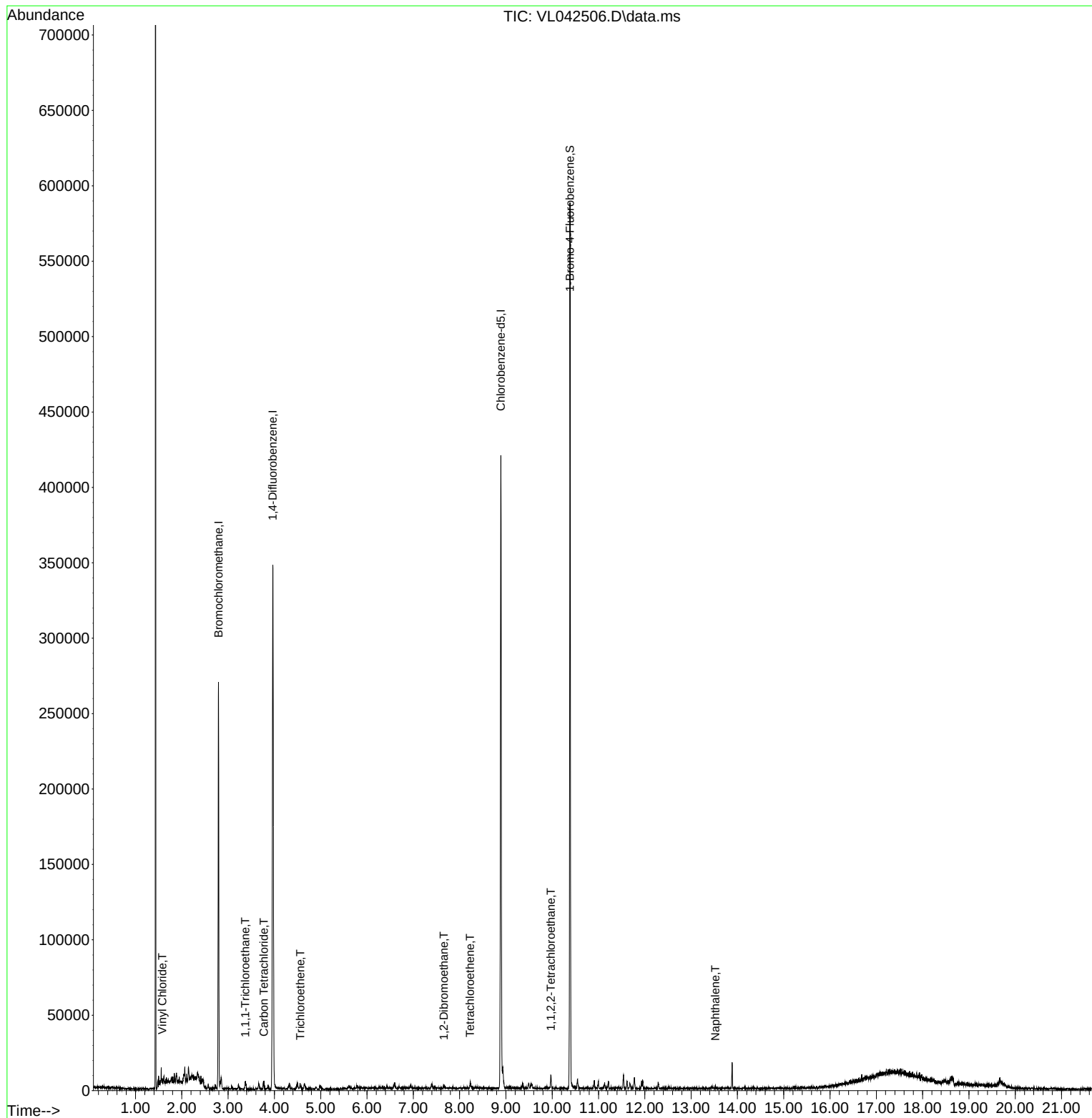
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042506.D
Acq On : 06 May 2025 20:13
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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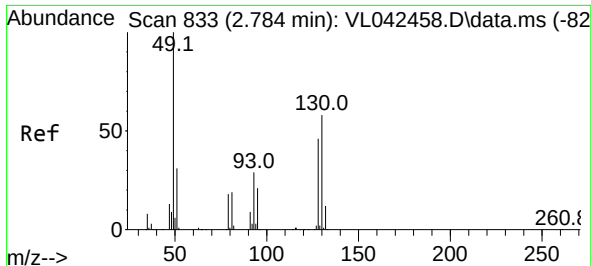
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MDL3 0.1

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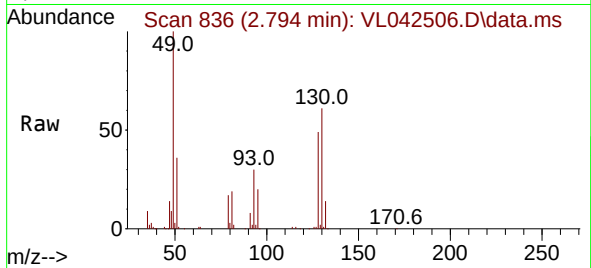
Quant Time: May 07 03:24:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 833
Delta R.T. 0.010 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

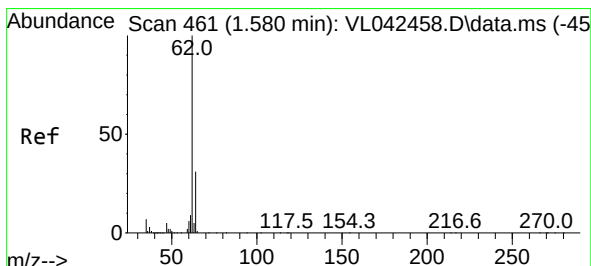
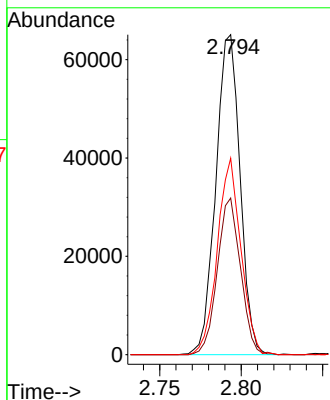
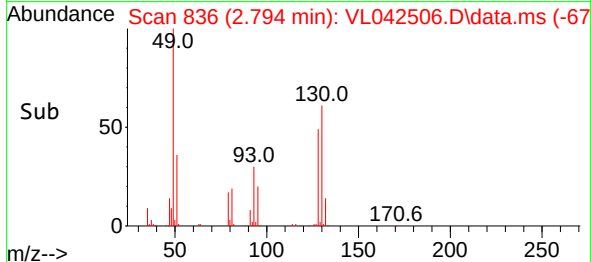
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1



Tgt Ion: 49 Resp: 67300
Ion Ratio Lower Upper
49 100
128 46.8 23.3 69.9
130 59.6 29.5 88.6

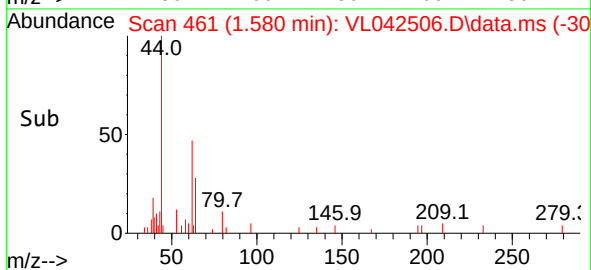
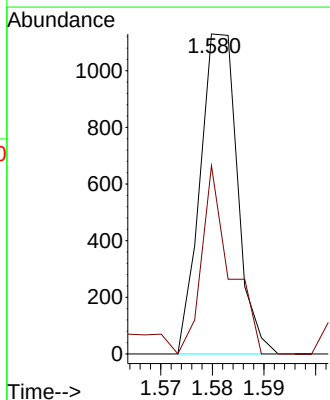
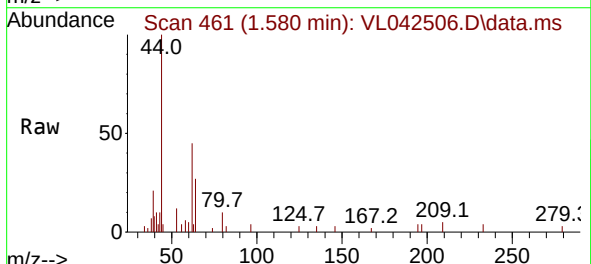
Manual Integrations
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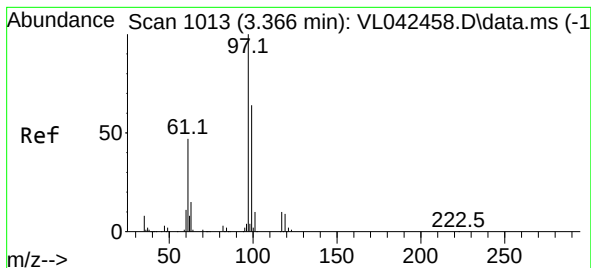
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.121 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.000 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

Tgt Ion: 62 Resp: 569
Ion Ratio Lower Upper
62 100
64 53.9 24.9 37.3#





#32

1,1,1-Trichloroethane

Concen: 0.140 ppbv

RT: 3.370 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VL042506.D

Acq: 06 May 2025 20:13

Instrument :

MSVOA_L

ClientSampleId :

MDL3 0.1

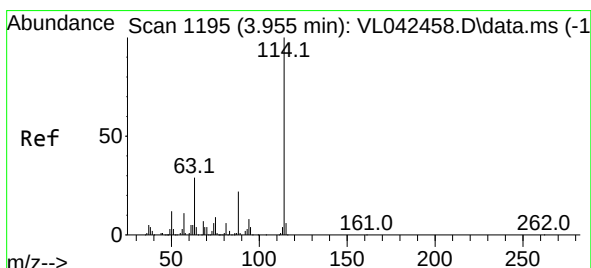
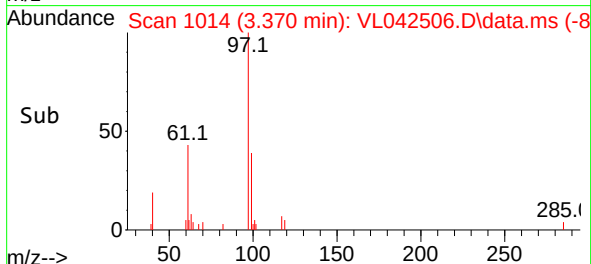
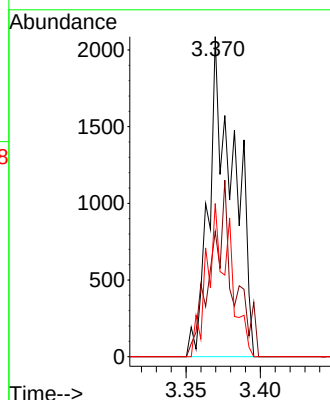
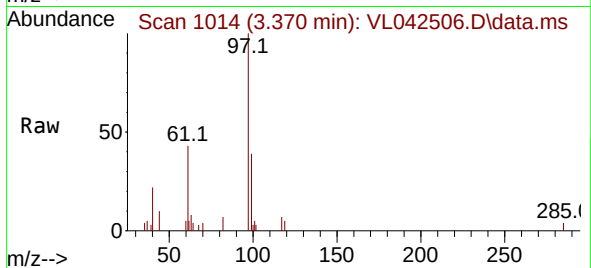
Tgt Ion: 97	Resp: 243
Ion Ratio	Lower Upper
97 100	
99 50.5	50.7 76.1
61 43.0	40.9 61.3

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

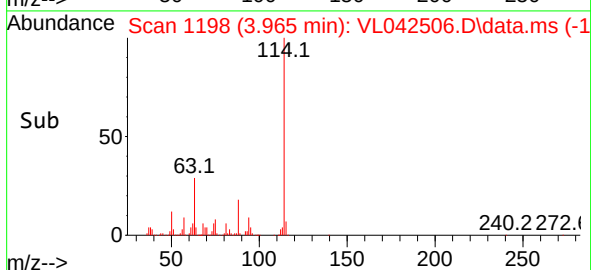
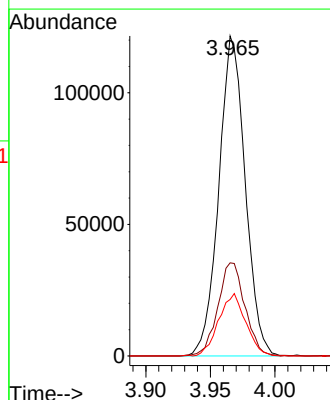
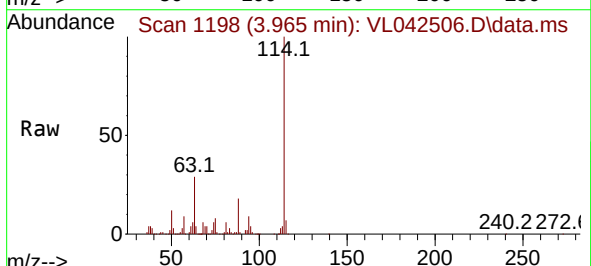
RT: 3.965 min Scan# 1198

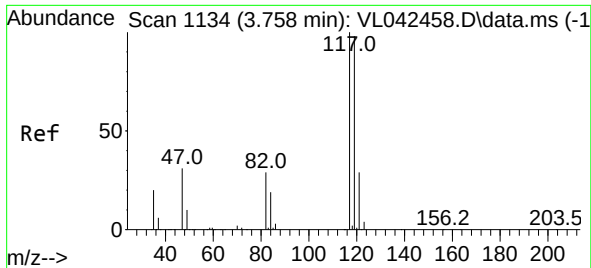
Delta R.T. 0.010 min

Lab File: VL042506.D

Acq: 06 May 2025 20:13

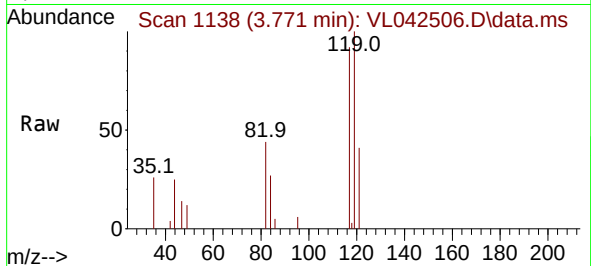
Tgt Ion: 114	Resp: 172903
Ion Ratio	Lower Upper
114 100	
63 29.9	23.1 34.7
88 20.0	16.1 24.1





#35
Carbon Tetrachloride
Concen: 0.131 ppbv m
RT: 3.771 min Scan# 1134
Delta R.T. 0.013 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

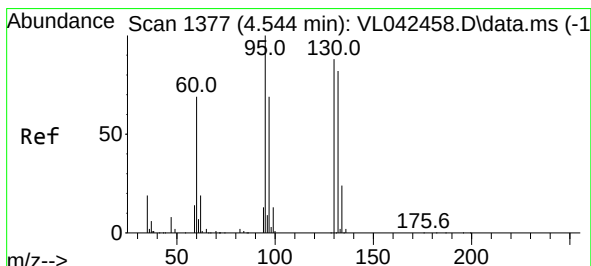
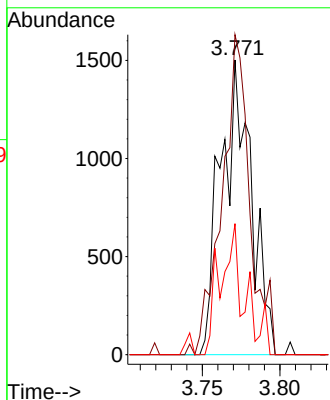
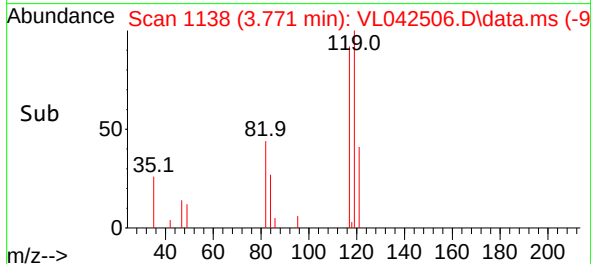
Instrument : MSVOA_L
ClientSampleId : MDL3 0.1



Tgt Ion:117 Resp: 2064
Ion Ratio Lower Upper
117 100
119 108.6 78.1 117.1
121 44.5 23.0 34.6

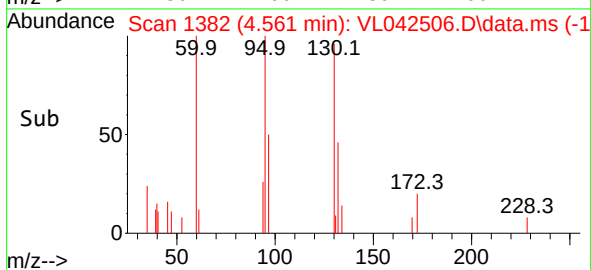
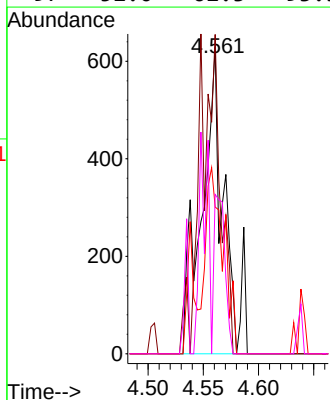
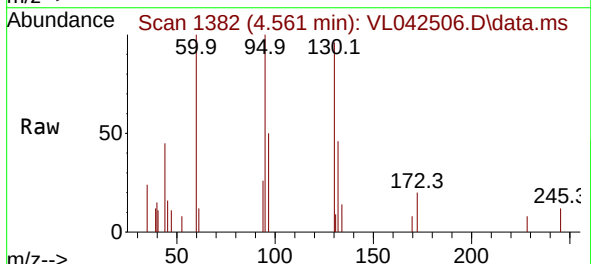
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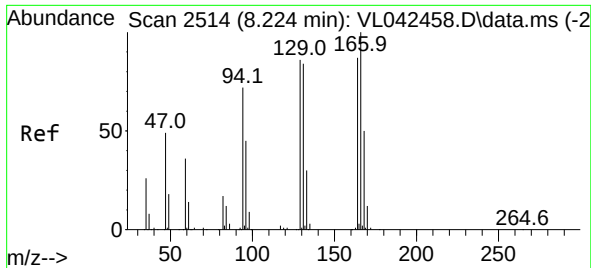
Reviewed By :Semsettin Yesilyurt 05/07/2025
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#38
Trichloroethene
Concen: 0.142 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

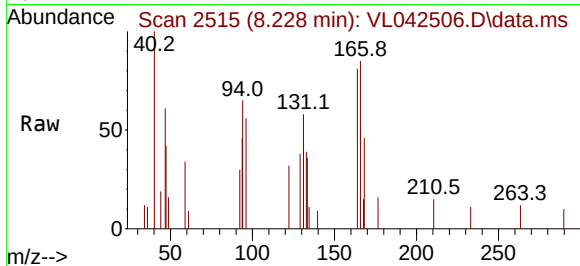
Tgt Ion:130 Resp: 885
Ion Ratio Lower Upper
130 100
95 104.1 91.0 136.4
132 47.9 74.2 111.4#
97 52.0 62.3 93.5#





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 8.228 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

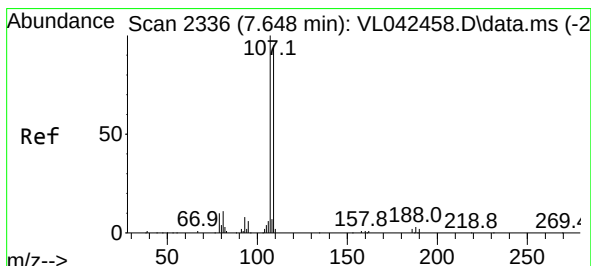
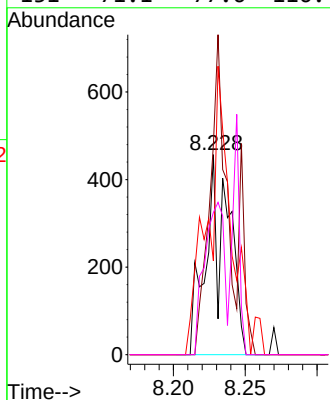
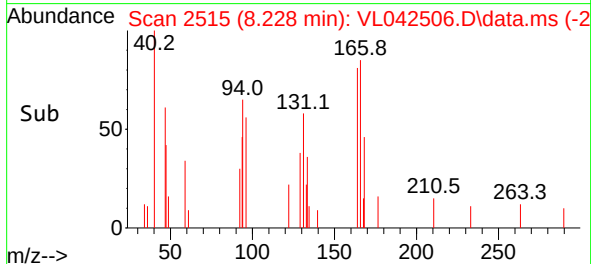
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1



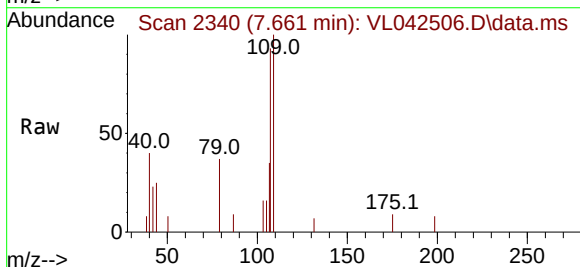
Tgt Ion:164 Resp: 518
Ion Ratio Lower Upper
164 100
166 105.0 91.6 137.4
129 46.8 79.0 118.4
131 71.1 77.6 116.4

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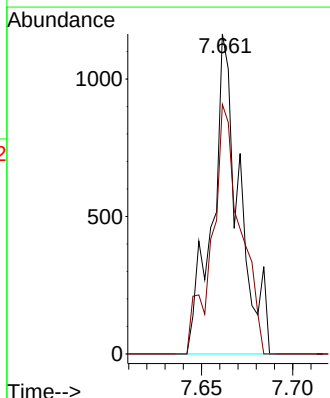
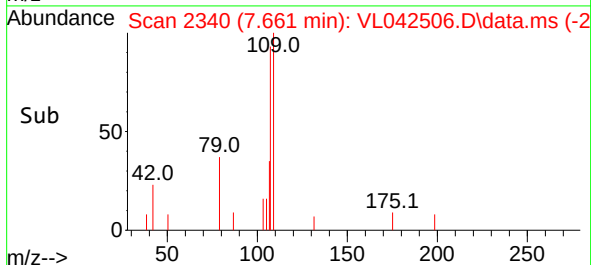
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

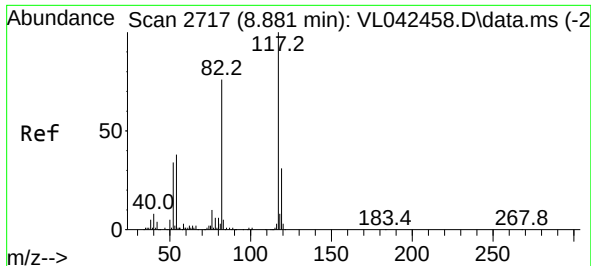


#54
1,2-Dibromoethane
Concen: 0.117 ppbv m
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13



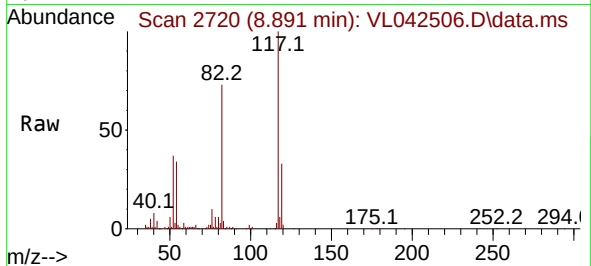
Tgt Ion:107 Resp: 1196
Ion Ratio Lower Upper
107 100
109 107.3 76.0 114.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

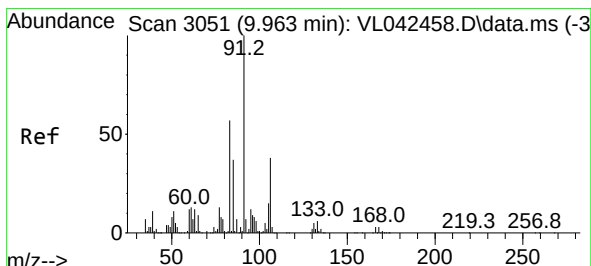
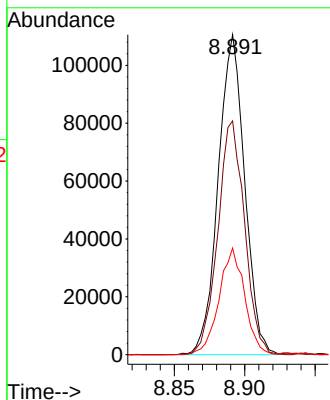
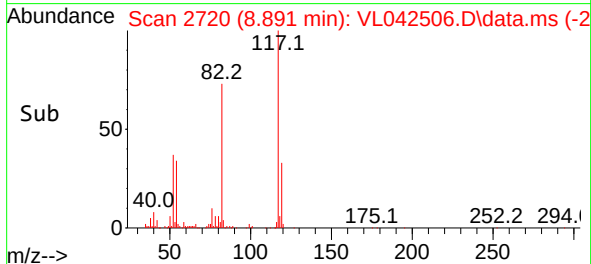
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.1



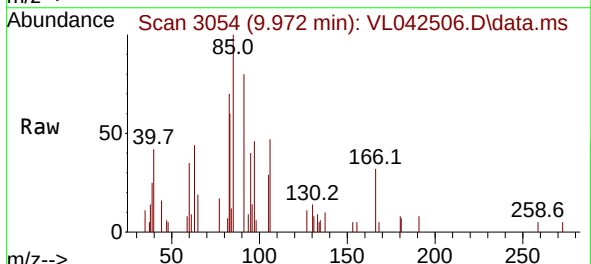
Tgt Ion: 117 Resp: 144734
Ion Ratio Lower Upper
117 100
82 74.0 63.5 95.3
119 32.7 25.8 38.8

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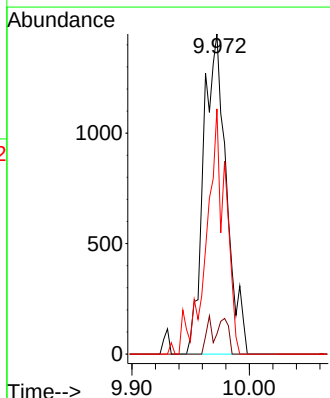
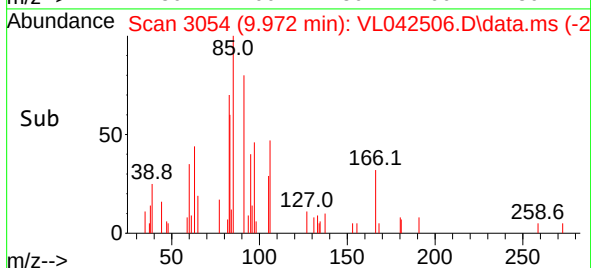
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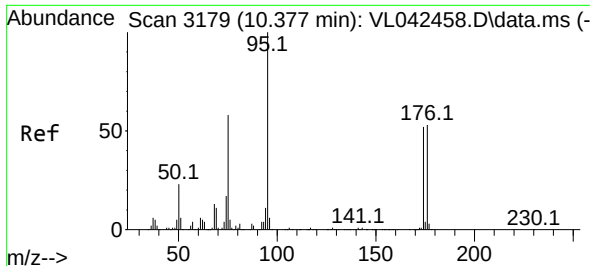


#63
1,1,2,2-Tetrachloroethane
Concen: 0.140 ppbv m
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13



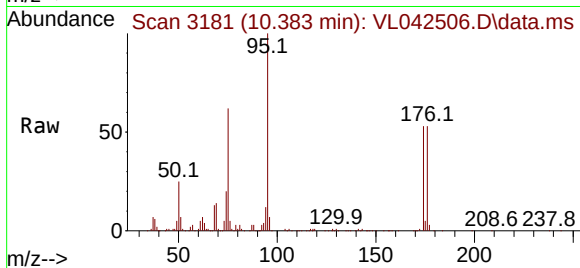
Tgt Ion: 83 Resp: 1954
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 65.6 32.5 97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.074 ppbv
RT: 10.383 min Scan# 3179
Delta R.T. 0.007 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13

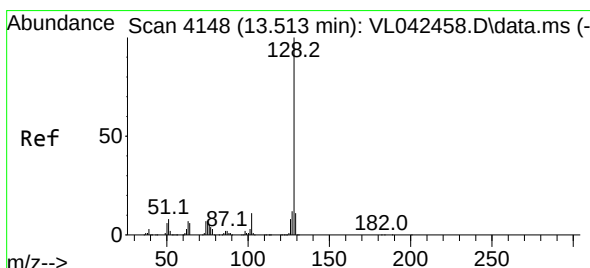
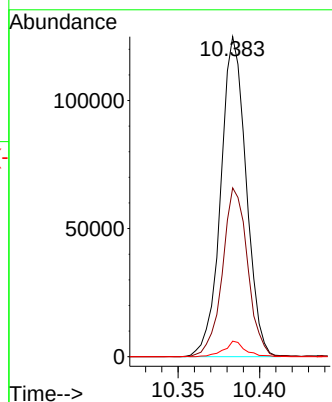
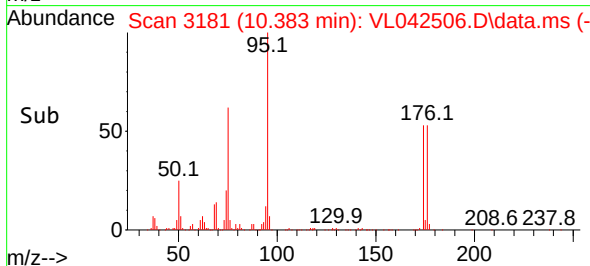
Instrument :
MSVOA_L
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MDL3 0.1



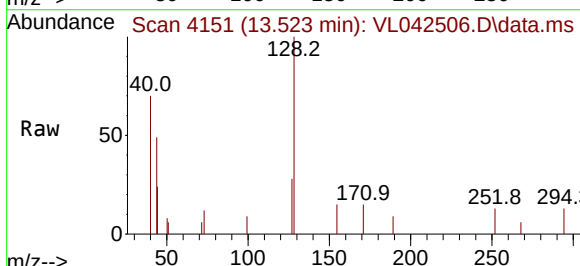
Tgt Ion: 95 Resp: 13518
Ion Ratio Lower Upper
95 100
174 52.8 42.7 64.1
175 4.0 3.6 5.4

Manual Integrations
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#79
Naphthalene
Concen: 0.040 ppbv m
RT: 13.523 min Scan# 4151
Delta R.T. 0.010 min
Lab File: VL042506.D
Acq: 06 May 2025 20:13



Tgt Ion:128 Resp: 866
Ion Ratio Lower Upper
128 100
127 27.9 9.7 14.5#
129 0.0 8.6 13.0#

