

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042530.D
 Acq On : 12 May 2025 11:49
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:49:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	96870	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	261294	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	223954	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	190537	9.778	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.576	62	229	0.035	ppbv #	4
32) 1,1,1-Trichloroethane	3.360	97	842m	0.036	ppbv	
35) Carbon Tetrachloride	3.761	117	785m	0.033	ppbv	
38) Trichloroethene	4.531	130	361m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	786m	0.037	ppbv	

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

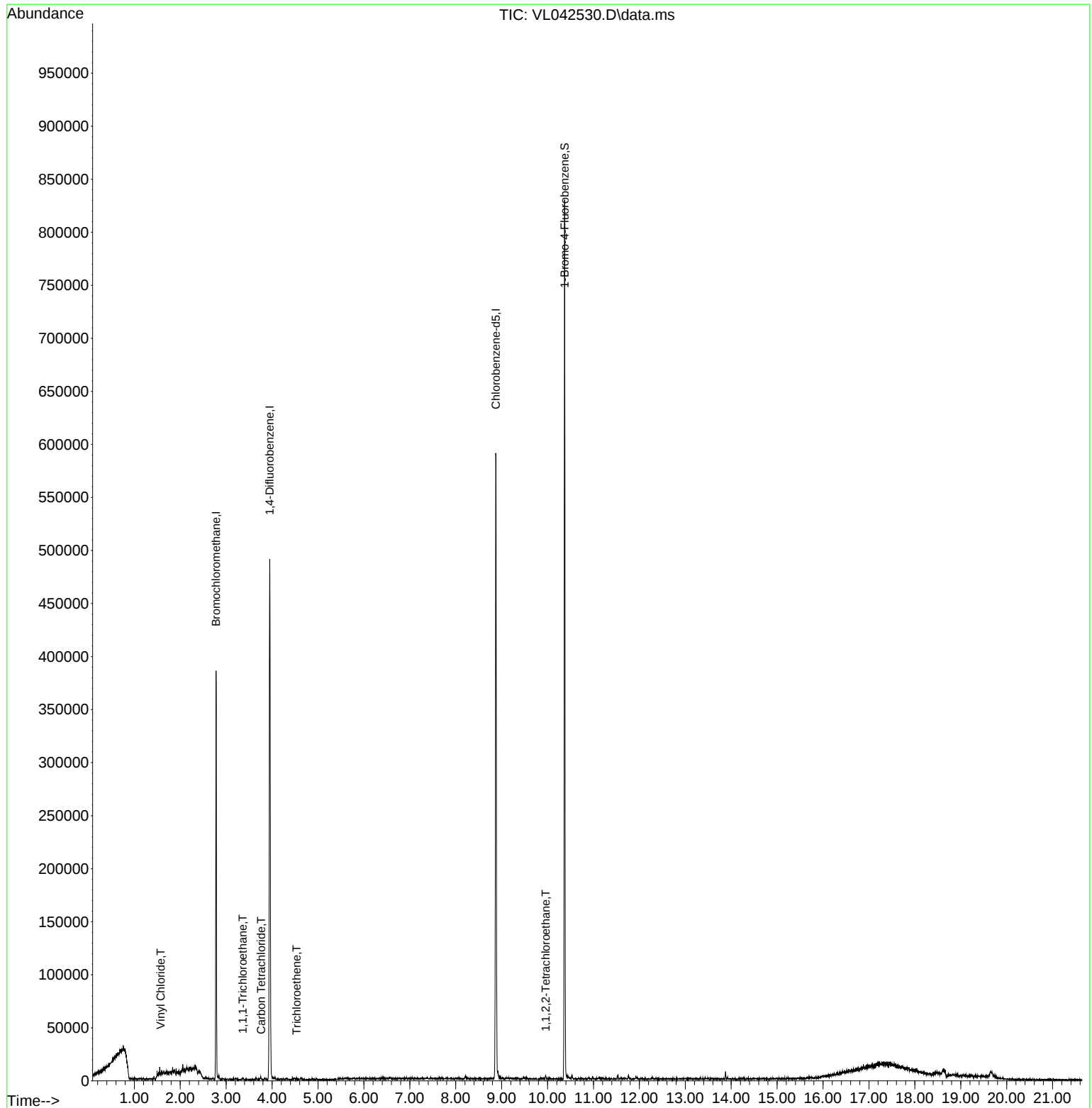
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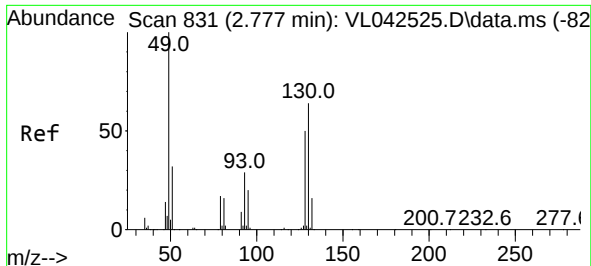
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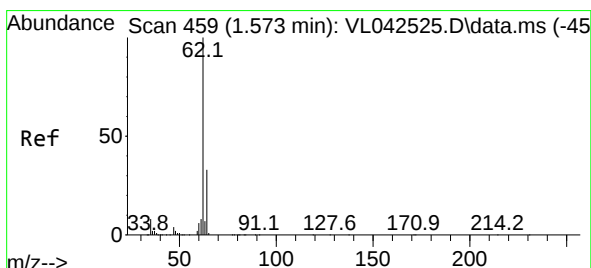
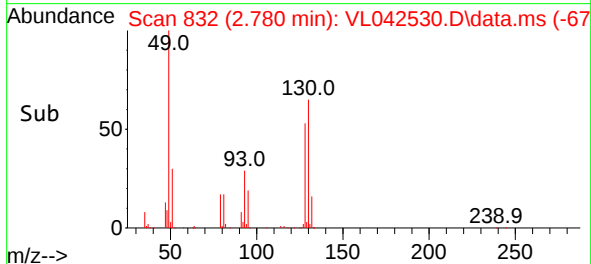
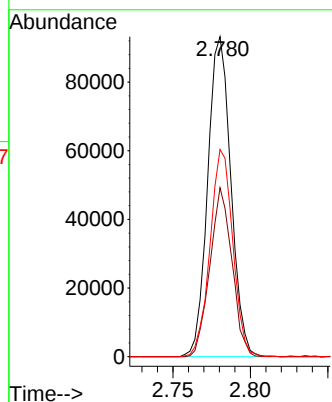
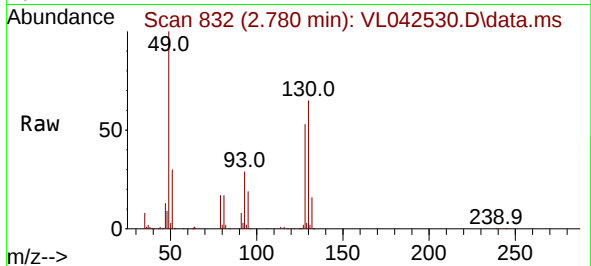
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 96870
Ion Ratio Lower Upper
49 100
128 50.2 24.9 74.6
130 63.5 32.5 97.5

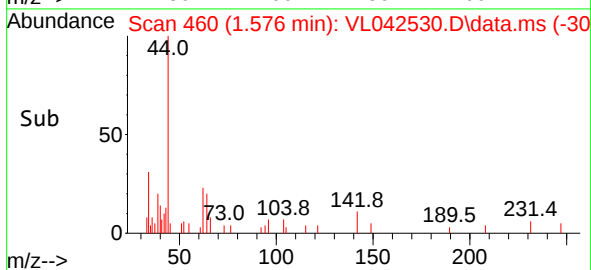
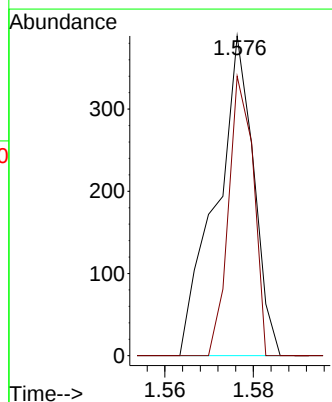
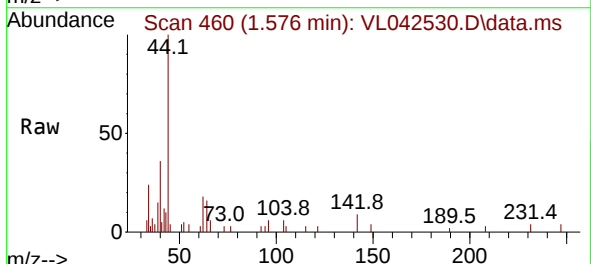
Manual Integrations
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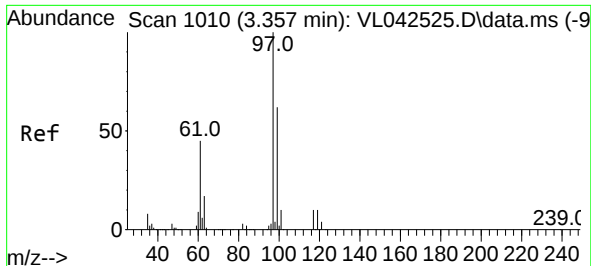
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#5
Vinyl Chloride
Concen: 0.035 ppbv
RT: 1.576 min Scan# 460
Delta R.T. 0.003 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49

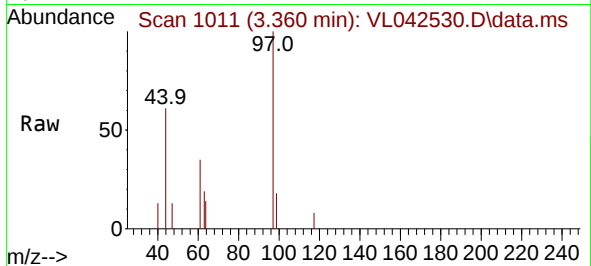
Tgt Ion: 62 Resp: 229
Ion Ratio Lower Upper
62 100
64 87.4 26.5 39.7#





#32
1,1,1-Trichloroethane
Concen: 0.036 ppbv m
RT: 3.360 min Scan# 1011
Delta R.T. 0.003 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49

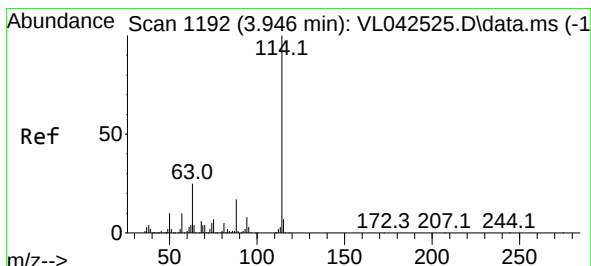
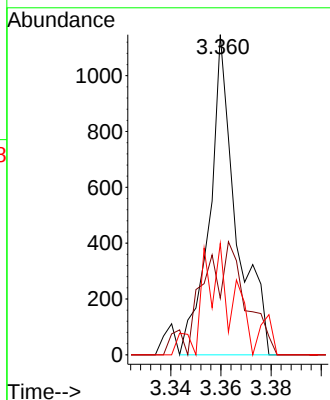
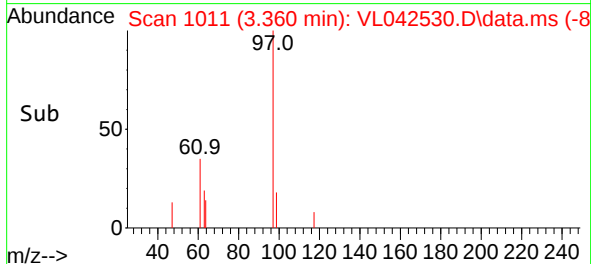
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



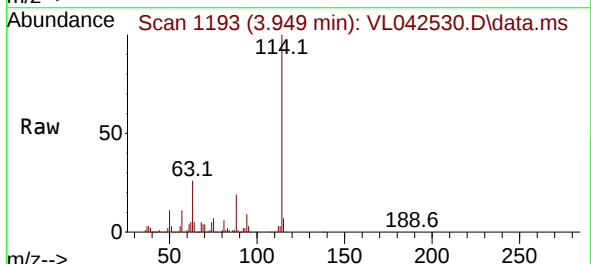
Tgt Ion: 97 Resp: 842
Ion Ratio Lower Upper
97 100
99 57.2 50.1 75.1
61 43.5 38.2 57.2

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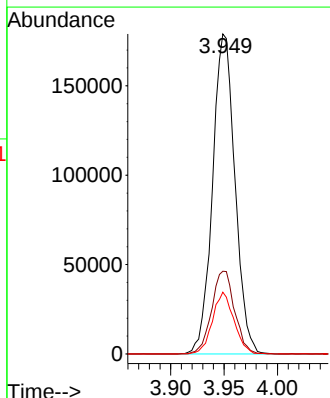
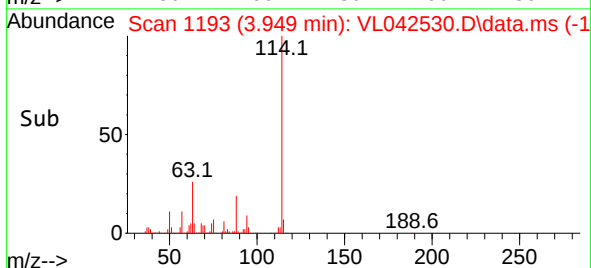
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

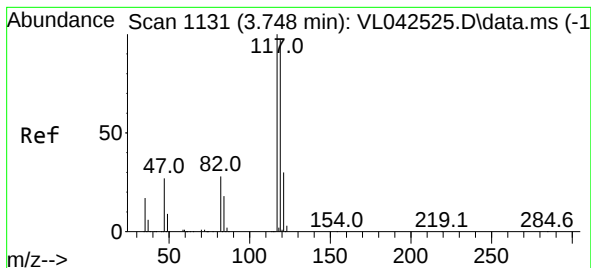


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.003 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49



Tgt Ion:114 Resp: 261294
Ion Ratio Lower Upper
114 100
63 26.5 20.4 30.6
88 18.6 14.5 21.7





#35

Carbon Tetrachloride

Concen: 0.033 ppbv m

RT: 3.761 min Scan# 1135

Delta R.T. 0.013 min

Lab File: VL042530.D

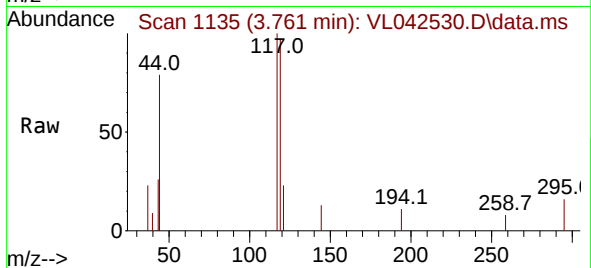
Acq: 12 May 2025 11:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03



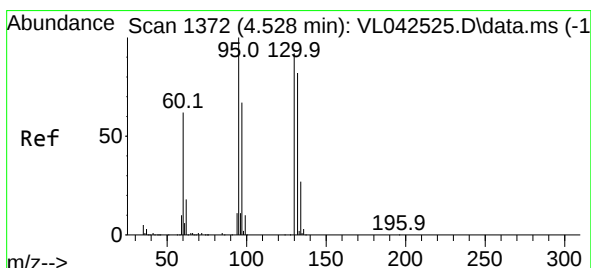
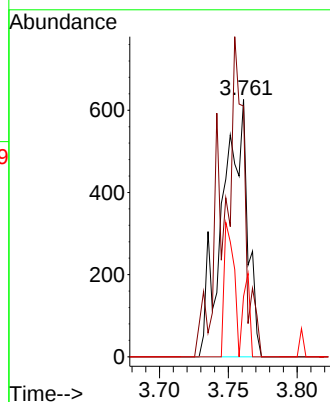
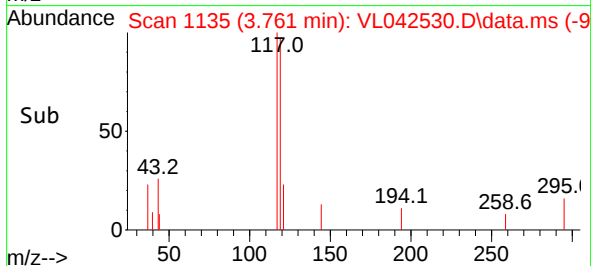
Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.7	116.5
121	23.5	24.0	36.0

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#38

Trichloroethene

Concen: 0.036 ppbv m

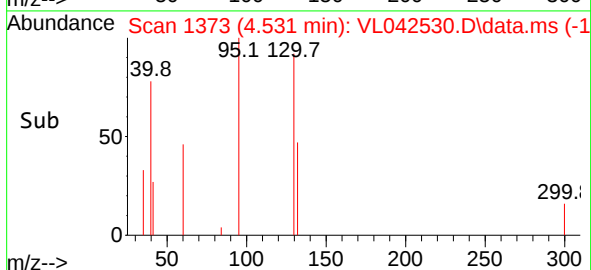
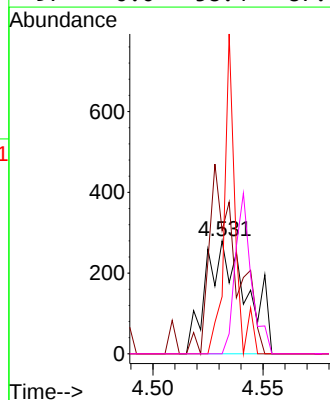
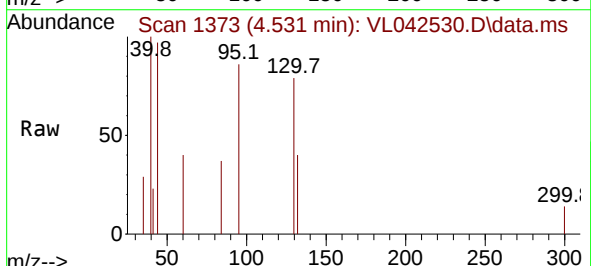
RT: 4.531 min Scan# 1373

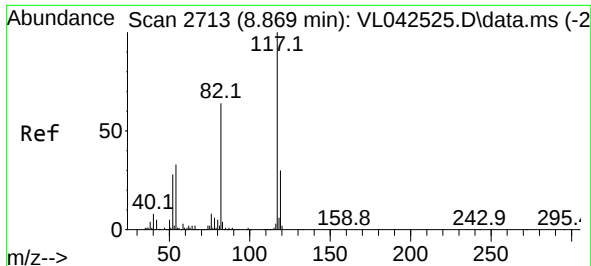
Delta R.T. 0.003 min

Lab File: VL042530.D

Acq: 12 May 2025 11:49

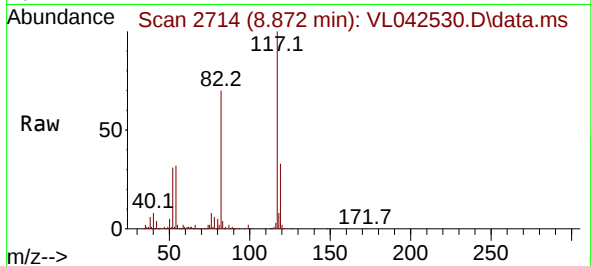
Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.9	87.0	130.4
132	50.7	71.1	106.7#
97	0.0	58.4	87.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49

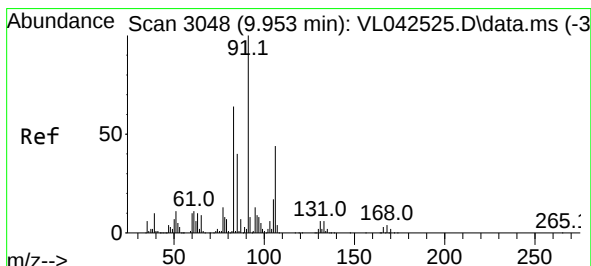
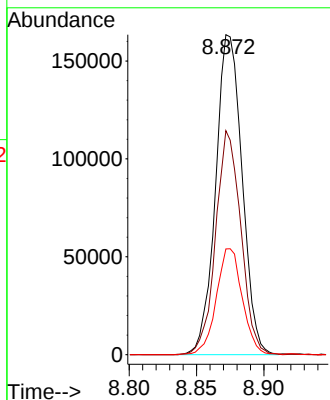
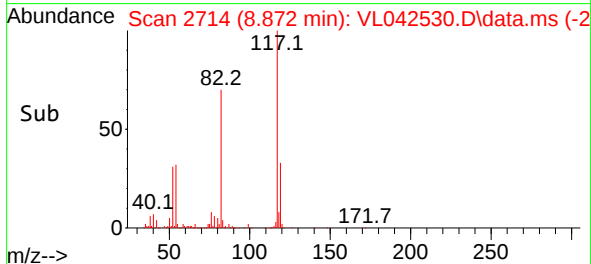
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



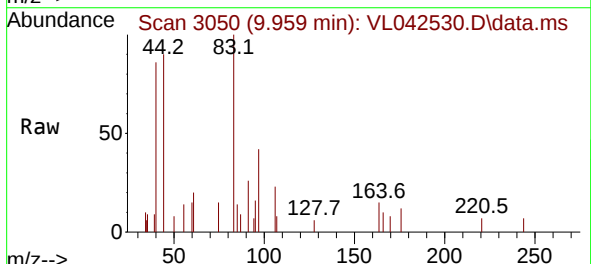
Tgt Ion: 117 Resp: 223954
Ion Ratio Lower Upper
117 100
82 66.6 55.0 82.4
119 32.6 25.8 38.6

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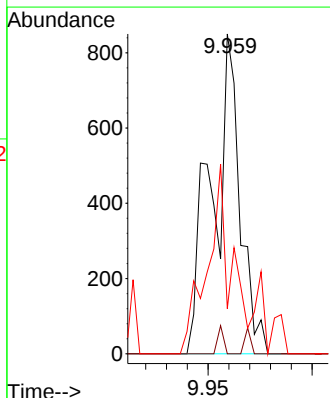
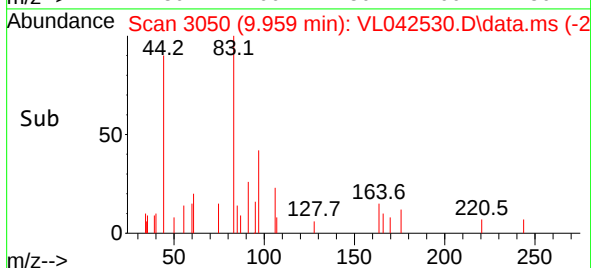
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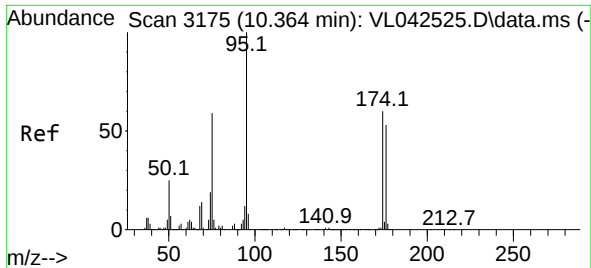


#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv m
RT: 9.959 min Scan# 3050
Delta R.T. 0.006 min
Lab File: VL042530.D
Acq: 12 May 2025 11:49



Tgt Ion: 83 Resp: 786
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 63.6 32.3 96.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.778 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.006 min
 Lab File: VL042530.D
 Acq: 12 May 2025 11:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.3	48.0	72.0
175	4.5	3.5	5.3

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