

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042553.D
 Acq On : 20 May 2025 14:01
 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 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:30:03 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	117269	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	388785	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	334978	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	261147	9.741	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	818	0.105	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	2659	0.096	ppbv	97
35) Carbon Tetrachloride	3.771	117	2846m	0.096	ppbv	
38) Trichloroethene	4.557	130	1324m	0.092	ppbv	
52) Tetrachloroethene	8.238	164	1269m	0.103	ppbv	
54) 1,2-Dibromoethane	7.671	107	1788m	0.093	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	2576m	0.104	ppbv	
79) Naphthalene	13.520	128	2161m	0.060	ppbv	

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

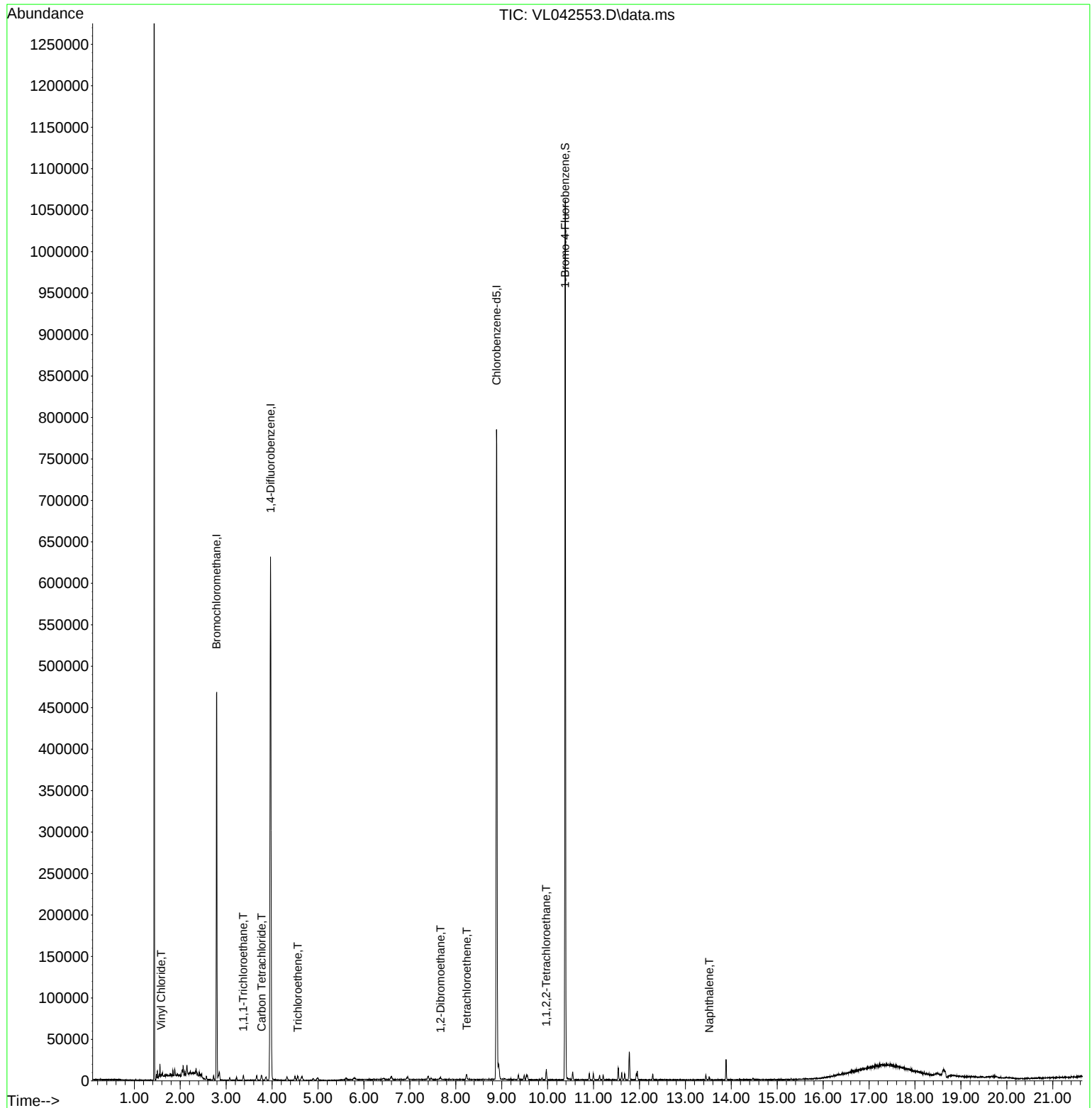
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
Data File : VL042553.D
Acq On : 20 May 2025 14:01
Operator : SY/MD
Sample : VSTDICC0.1
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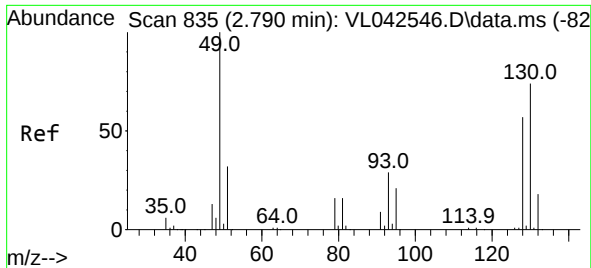
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Supervised By : Mahesh Dadoda 05/21/2025

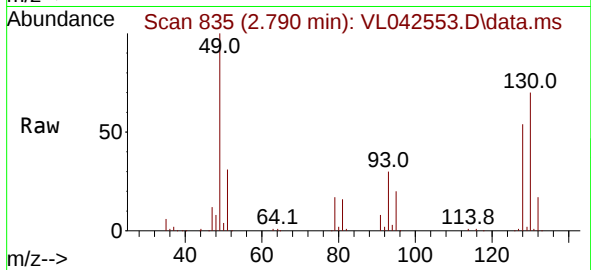
Quant Time: May 20 23:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

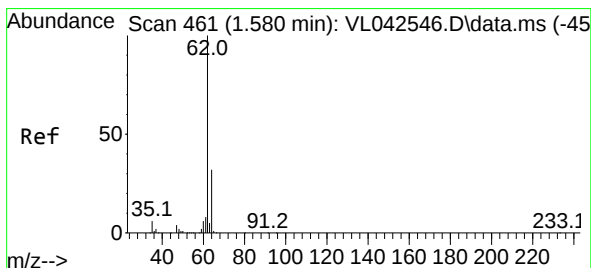
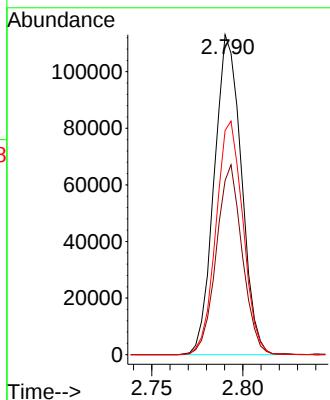
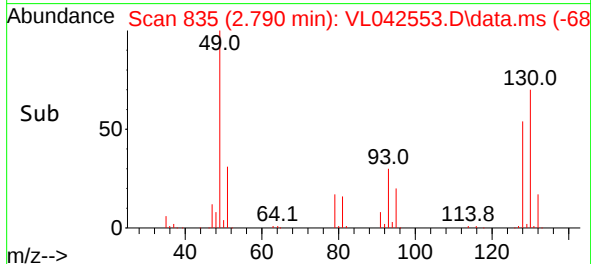
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 117269
Ion Ratio Lower Upper
49 100
128 56.7 28.6 85.8
130 72.6 36.6 109.8

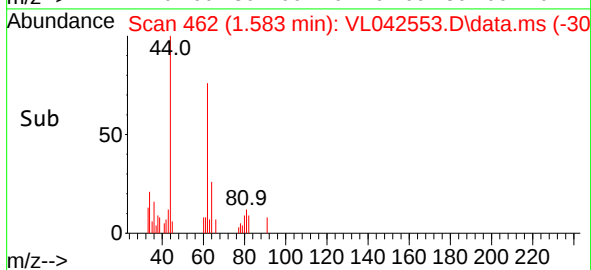
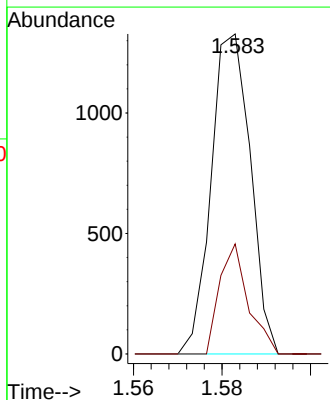
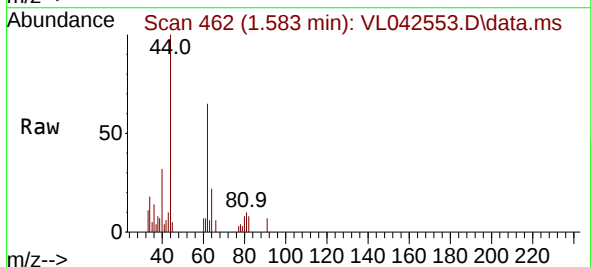
Manual Integrations
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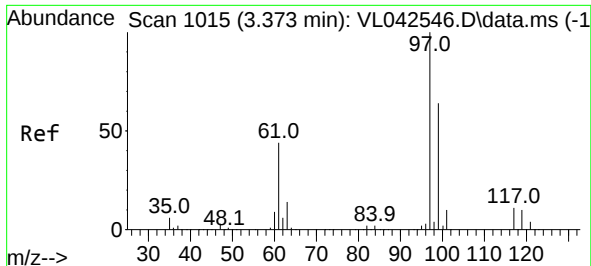
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#5
Vinyl Chloride
Concen: 0.105 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

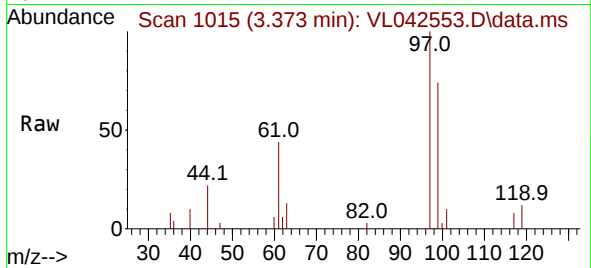
Tgt Ion: 62 Resp: 818
Ion Ratio Lower Upper
62 100
64 34.4 25.7 38.5





#32
1,1,1-Trichloroethane
Concen: 0.096 ppbv
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

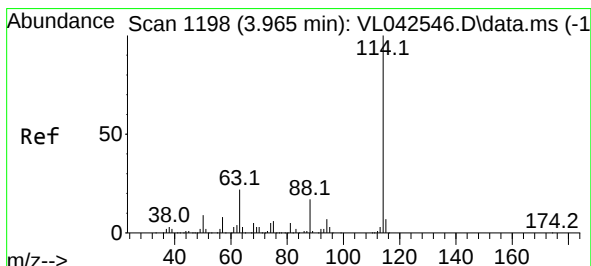
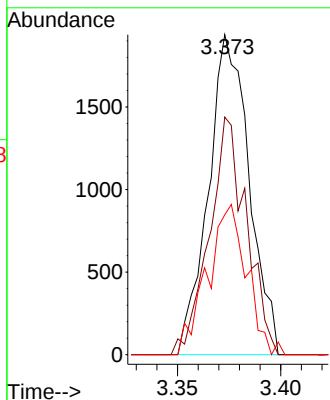
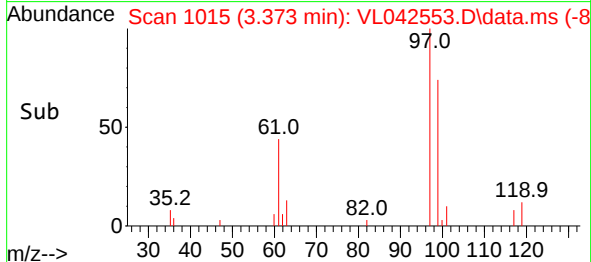
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



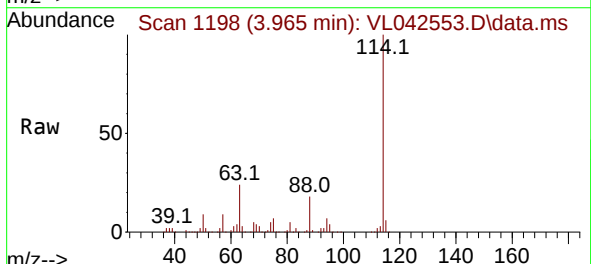
Tgt Ion: 97 Resp: 2659
Ion Ratio Lower Upper
97 100
99 67.8 51.5 77.3
61 45.3 35.7 53.5

Manual Integrations
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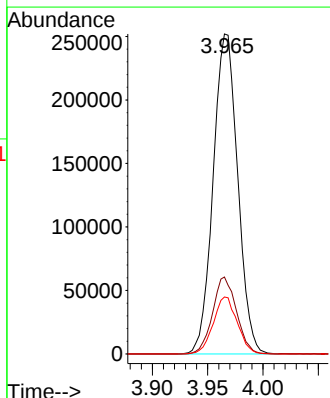
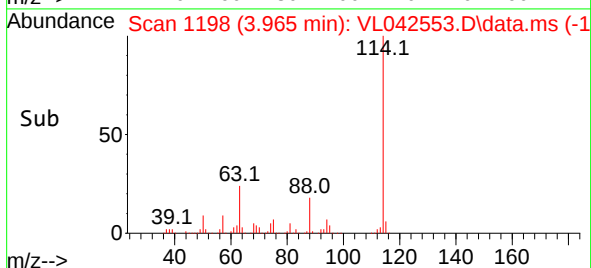
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

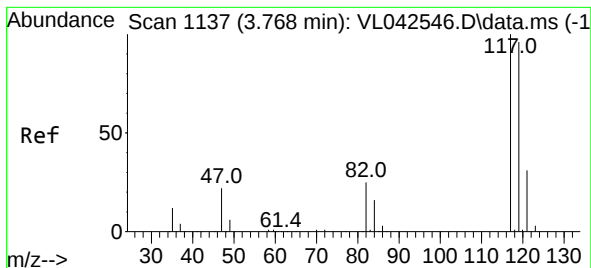


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01



Tgt Ion:114 Resp: 388785
Ion Ratio Lower Upper
114 100
63 23.4 18.4 27.6
88 17.4 14.0 21.0





#35

Carbon Tetrachloride

Concen: 0.096 ppbv m

RT: 3.771 min Scan# 1137

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

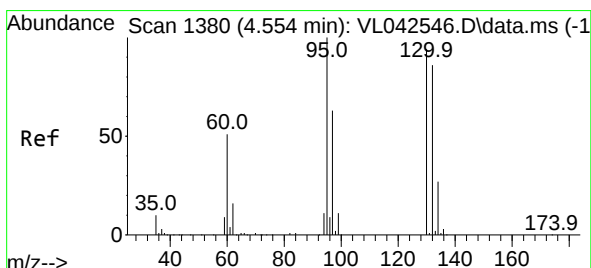
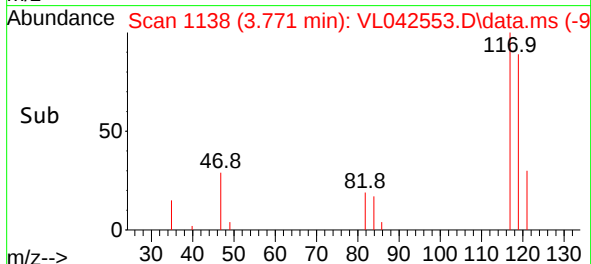
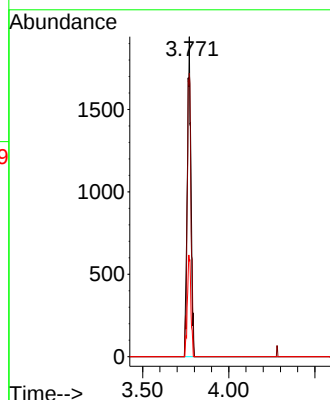
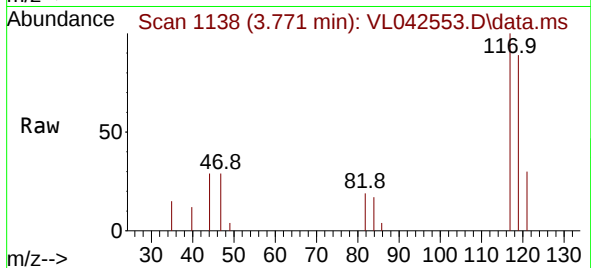
Tgt Ion:117 Resp: 2840

Ion	Ratio	Lower	Upper
117	100		
119	88.6	76.6	114.8
121	30.0	24.7	37.1

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Supervised By :Mahesh Dadoda 05/21/2025



#38

Trichloroethene

Concen: 0.092 ppbv m

RT: 4.557 min Scan# 1381

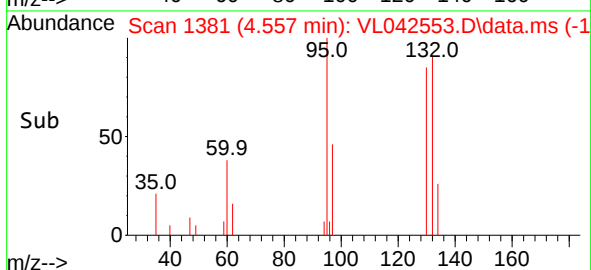
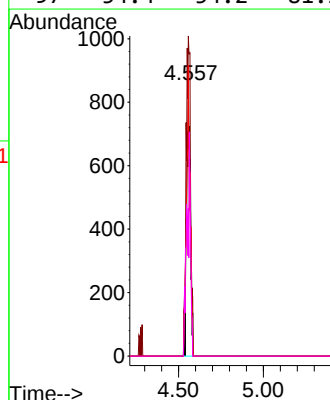
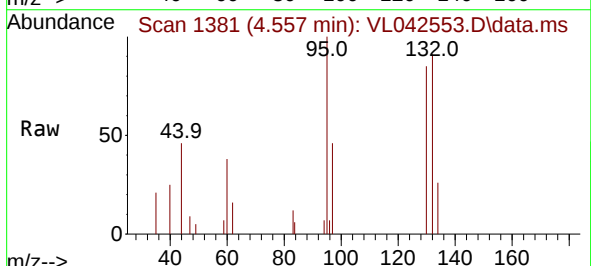
Delta R.T. 0.003 min

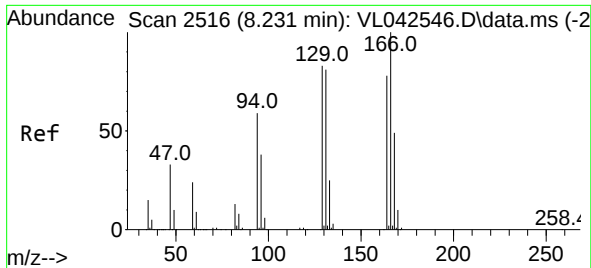
Lab File: VL042553.D

Acq: 20 May 2025 14:01

Tgt Ion:130 Resp: 1324

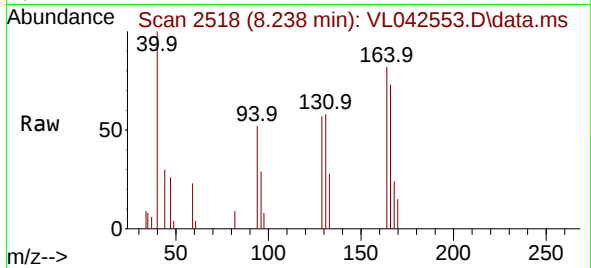
Ion	Ratio	Lower	Upper
130	100		
95	118.0	85.2	127.8
132	107.1	73.4	110.2
97	54.4	54.2	81.2





#52
Tetrachloroethene
Concen: 0.103 ppbv m
RT: 8.238 min Scan# 2516
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

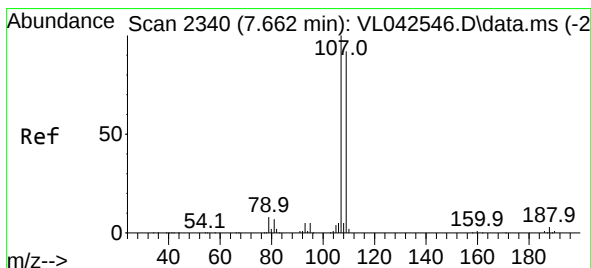
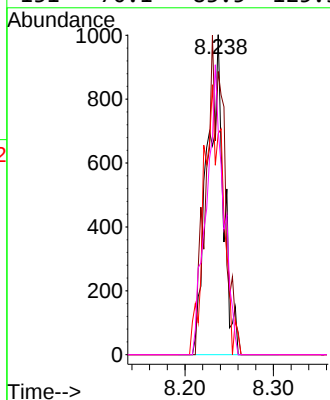
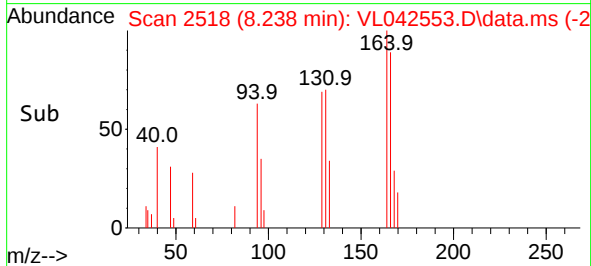
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 1269
Ion Ratio Lower Upper
164 100
166 88.5 103.1 154.7
129 69.1 85.3 127.9
131 70.1 83.5 125.3#

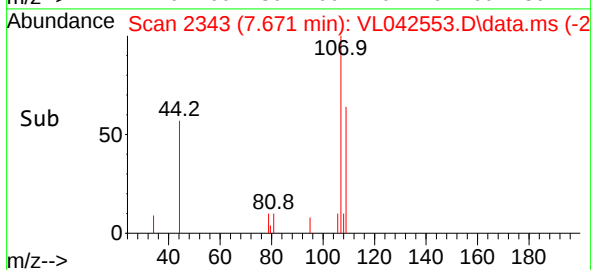
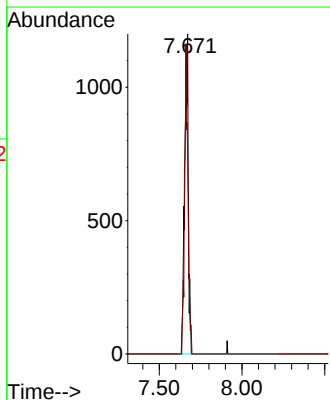
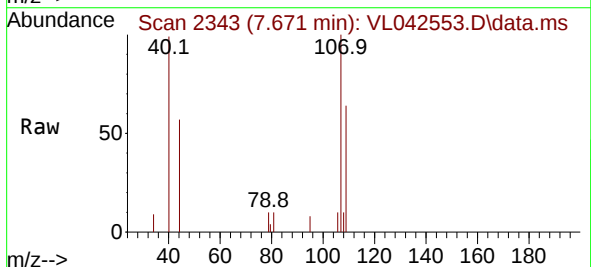
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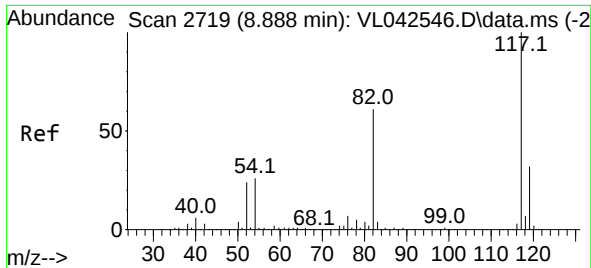
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#54
1,2-Dibromoethane
Concen: 0.093 ppbv m
RT: 7.671 min Scan# 2343
Delta R.T. 0.010 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

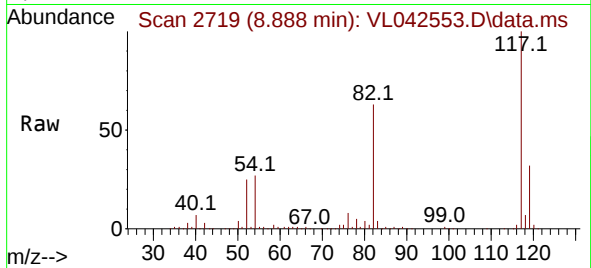
Tgt Ion:107 Resp: 1788
Ion Ratio Lower Upper
107 100
109 63.7 73.4 110.2#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

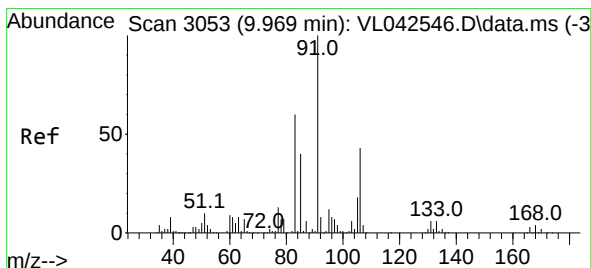
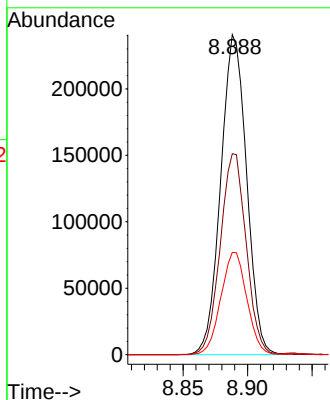
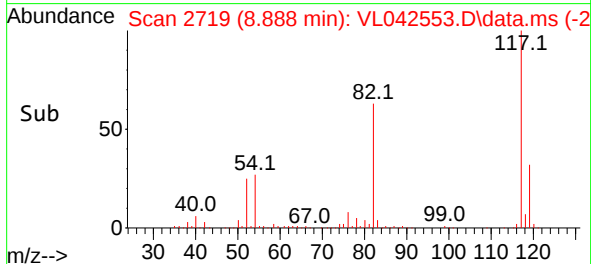
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 334978
Ion Ratio Lower Upper
117 100
82 63.1 51.0 76.4
119 32.6 27.0 40.4

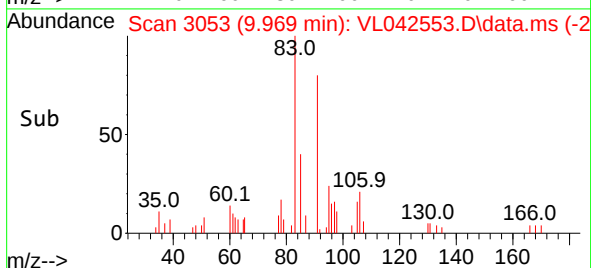
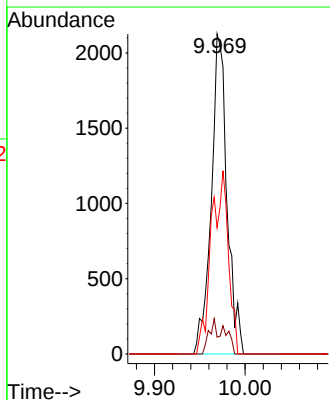
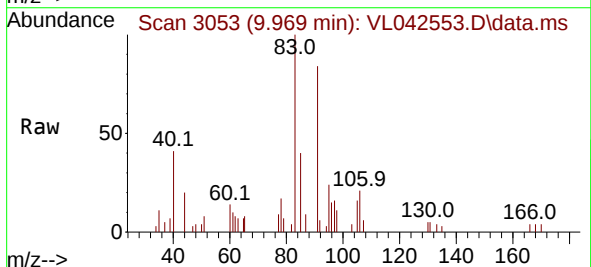
Manual Integrations
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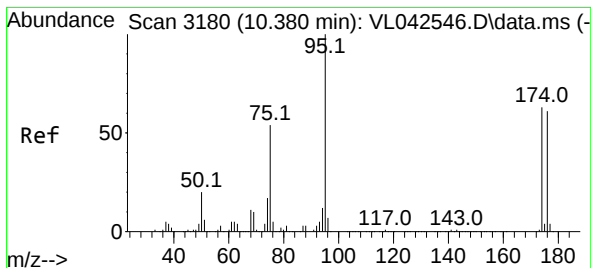
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.104 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

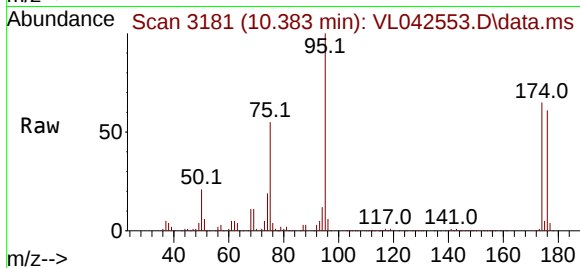
Tgt Ion: 83 Resp: 2576
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 61.7 32.5 97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.741 ppbv
RT: 10.383 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

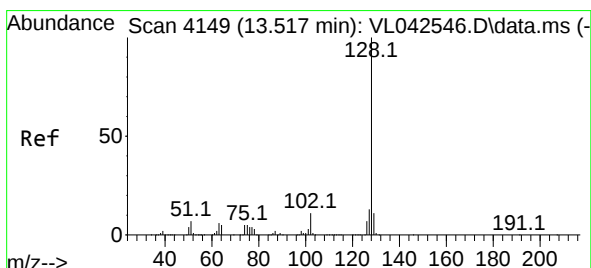
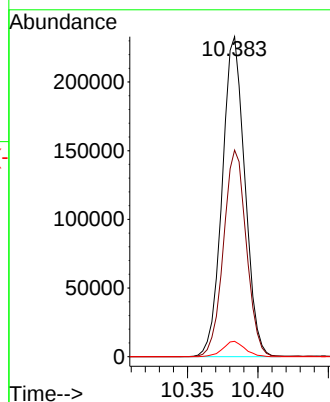
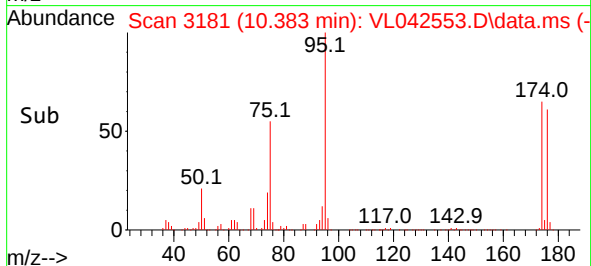
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



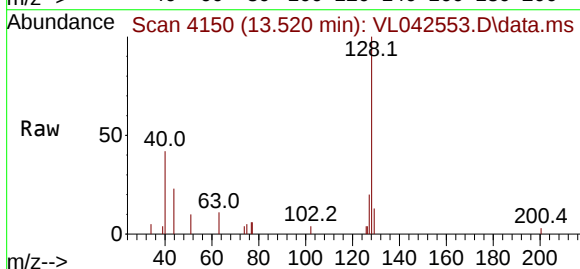
Tgt Ion: 95 Resp: 26114
Ion Ratio Lower Upper
95 100
174 65.5 52.0 78.0
175 4.7 3.8 5.6

Manual Integrations
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#79
Naphthalene
Concen: 0.060 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01



Tgt Ion:128 Resp: 2161
Ion Ratio Lower Upper
128 100
127 19.7 10.5 15.7#
129 13.4 9.0 13.4

