

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042522.D
 Acq On : 07 May 2025 17:24
 Operator : SY/MD
 Sample : MDL2 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 08 01:41:28 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	74360	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	181585	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	153768	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	139250	9.768	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	631	0.122	ppbv #	75
32) 1,1,1-Trichloroethane	3.380	97	2104m	0.109	ppbv	
35) Carbon Tetrachloride	3.775	117	2298m	0.139	ppbv	
38) Trichloroethene	4.568	130	797m	0.122	ppbv	
52) Tetrachloroethene	8.241	164	652m	0.100	ppbv	
54) 1,2-Dibromoethane	7.668	107	1211m	0.113	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	1839m	0.124	ppbv	
79) Naphthalene	13.517	128	740	0.032	ppbv #	70

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

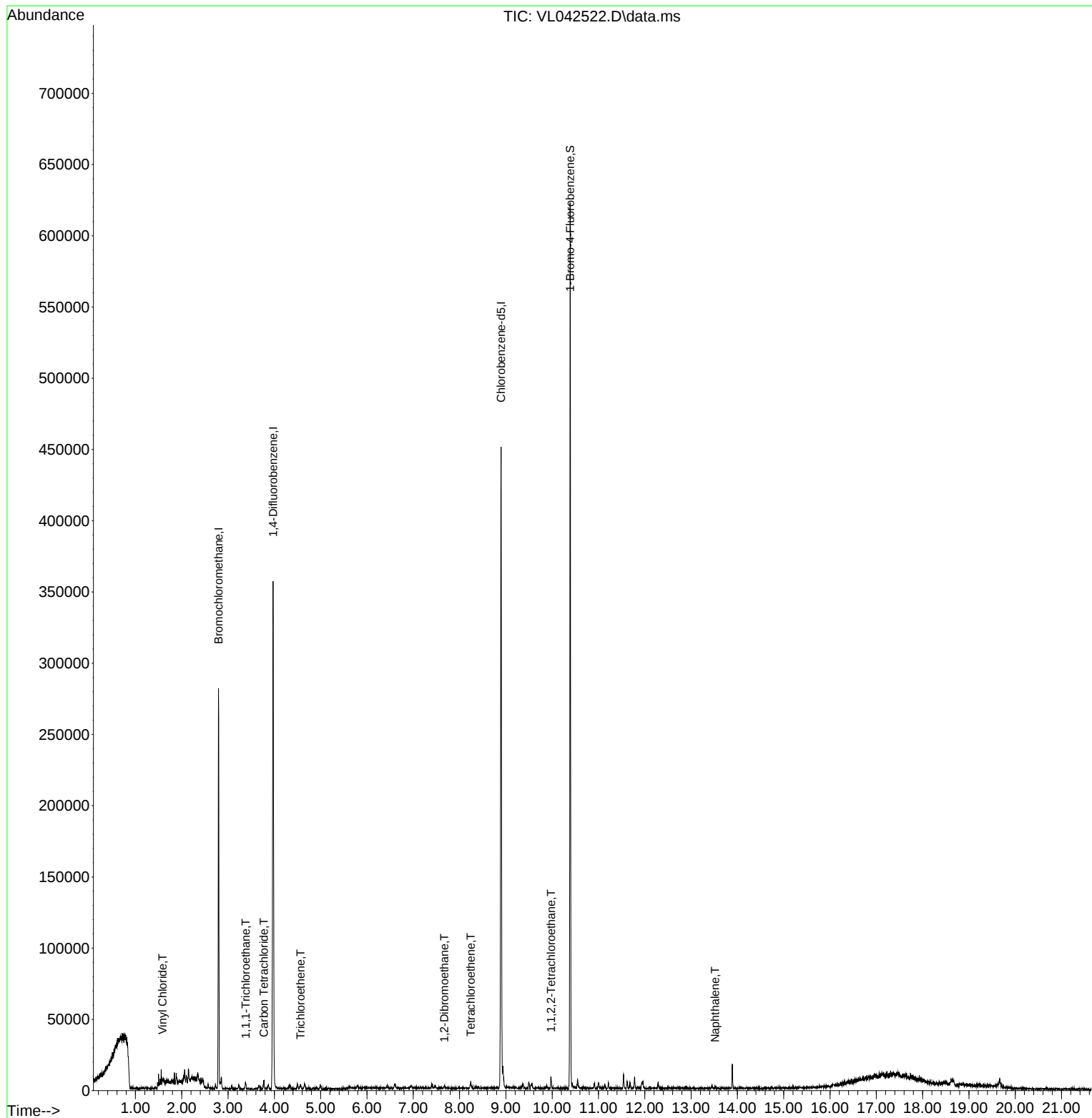
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
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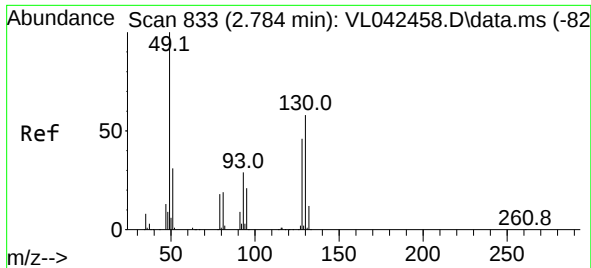
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1

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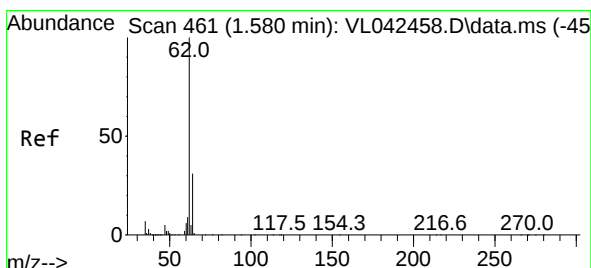
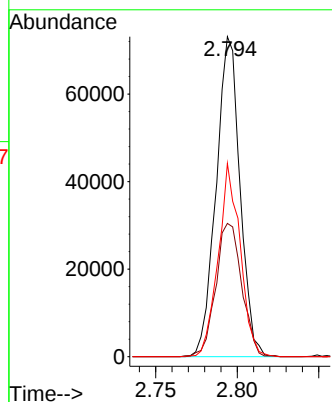
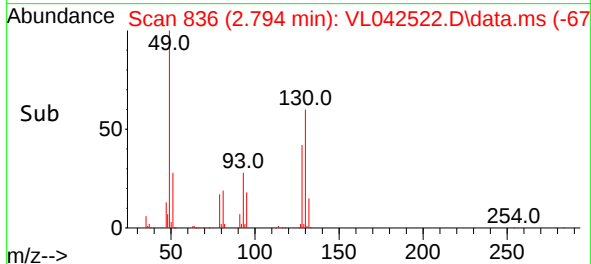
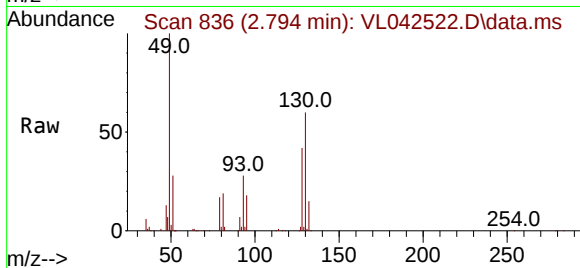
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1

Tgt Ion: 49 Resp: 74360
Ion Ratio Lower Upper
49 100
128 45.3 23.3 69.9
130 55.5 29.5 88.6

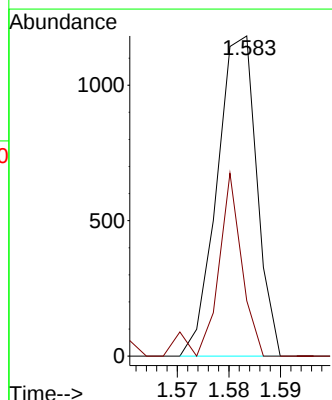
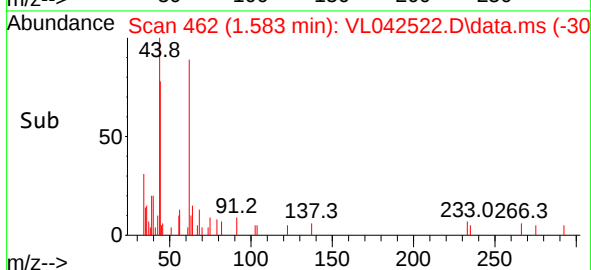
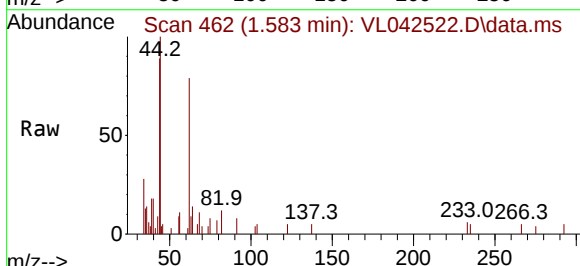
Manual Integrations
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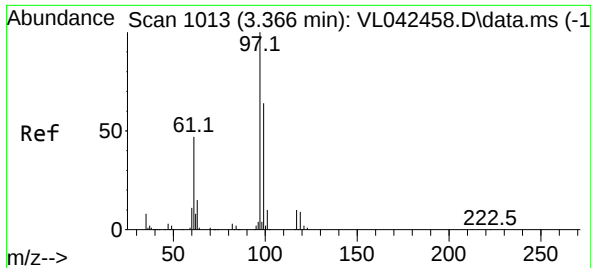
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.122 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.004 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

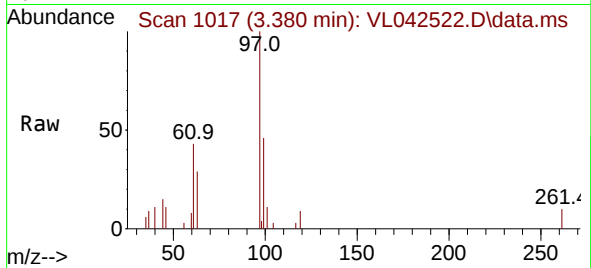
Tgt Ion: 62 Resp: 631
Ion Ratio Lower Upper
62 100
64 17.3 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.109 ppbv m
RT: 3.380 min Scan# 1013
Delta R.T. 0.014 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

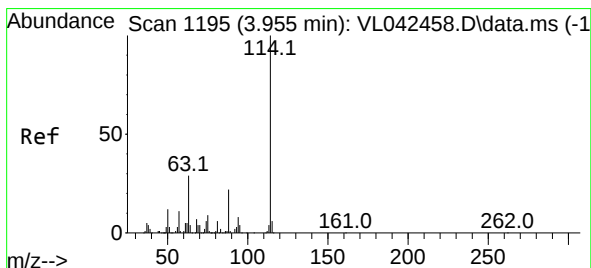
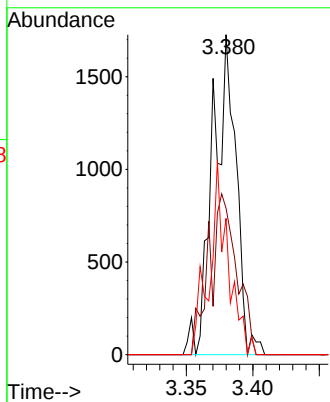
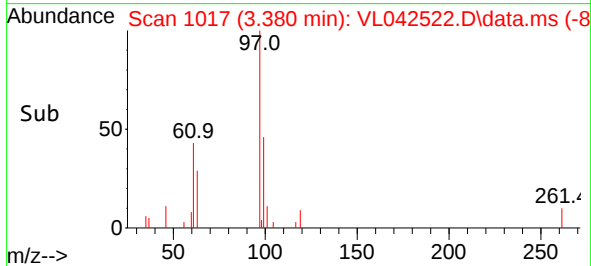
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



Tgt Ion: 97 Resp: 2104
Ion Ratio Lower Upper
97 100
99 0.0 50.7 76.1
61 0.0 40.9 61.3

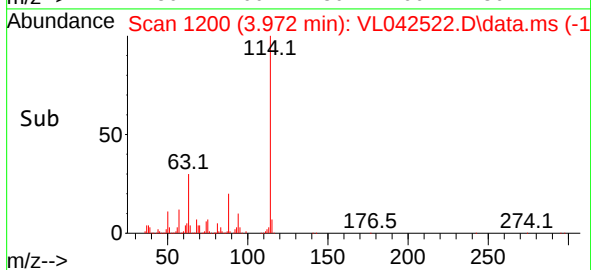
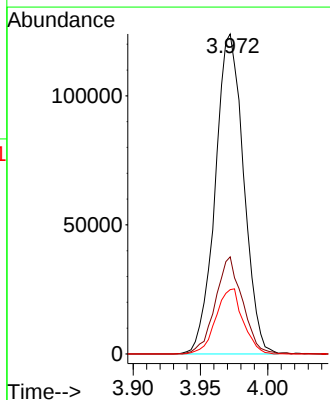
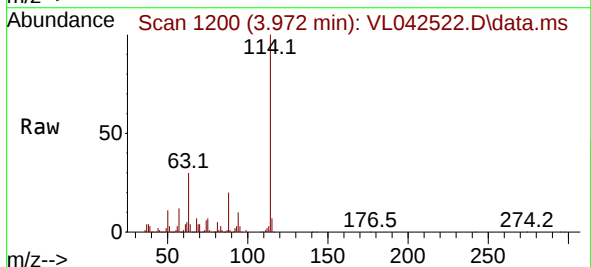
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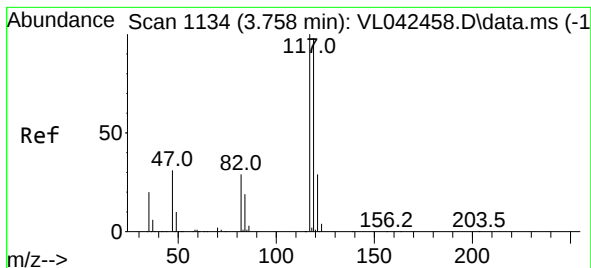
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.017 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

Tgt Ion:114 Resp: 181585
Ion Ratio Lower Upper
114 100
63 29.2 23.1 34.7
88 19.5 16.1 24.1





#35

Carbon Tetrachloride

Concen: 0.139 ppbv m

RT: 3.775 min Scan# 1139

Delta R.T. 0.017 min

Lab File: VL042522.D

Acq: 07 May 2025 17:24

Instrument :

MSVOA_L

ClientSampleId :

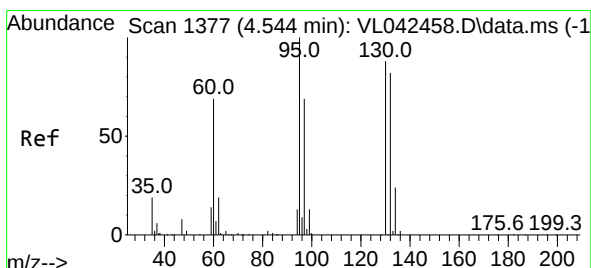
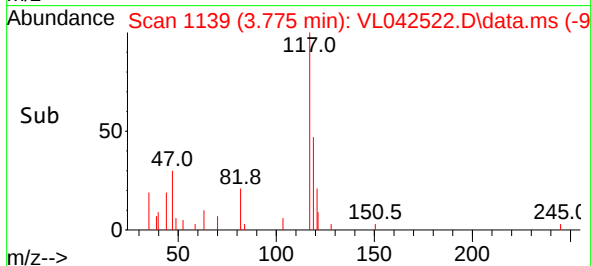
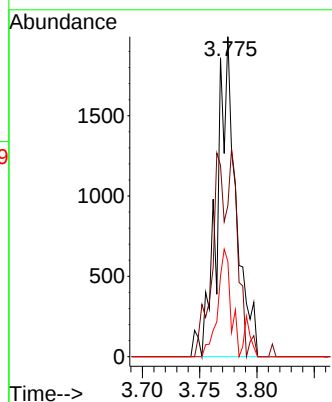
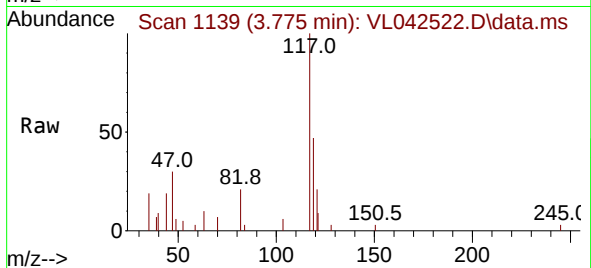
MDL2 0.1

Tgt Ion:	117	Resp:	2298
Ion	Ratio	Lower	Upper
117	100		
119	47.2	78.1	117.1
121	20.7	23.0	34.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38

Trichloroethene

Concen: 0.122 ppbv m

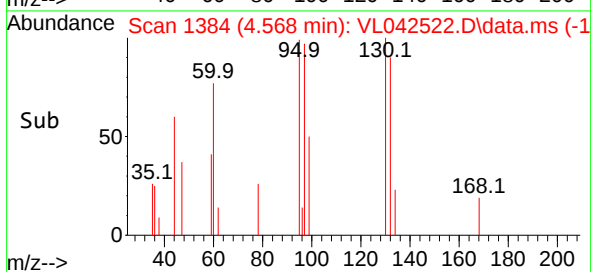
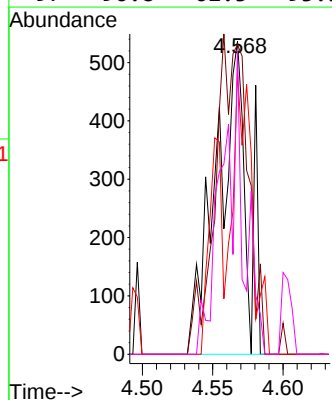
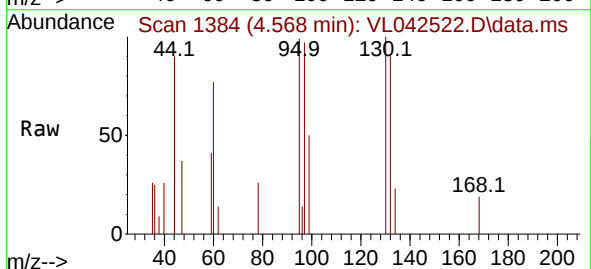
RT: 4.568 min Scan# 1384

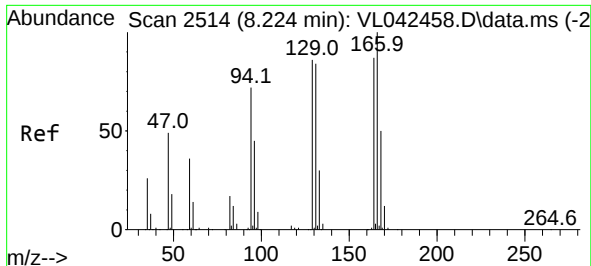
Delta R.T. 0.023 min

Lab File: VL042522.D

Acq: 07 May 2025 17:24

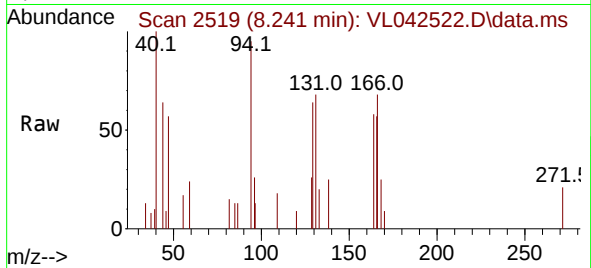
Tgt Ion:	130	Resp:	797
Ion	Ratio	Lower	Upper
130	100		
95	99.1	91.0	136.4
132	89.9	74.2	111.4
97	96.8	62.3	93.5





#52
Tetrachloroethene
Concen: 0.100 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.017 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

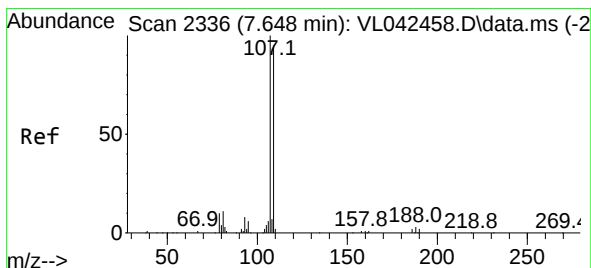
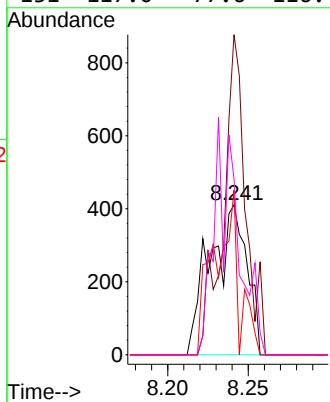
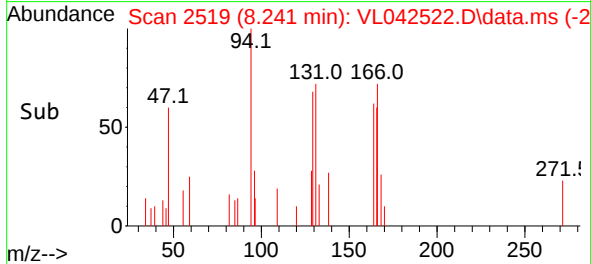
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



Tgt Ion:164 Resp: 652
Ion Ratio Lower Upper
164 100
166 116.3 91.6 137.4
129 109.7 79.0 118.4
131 117.0 77.6 116.4#

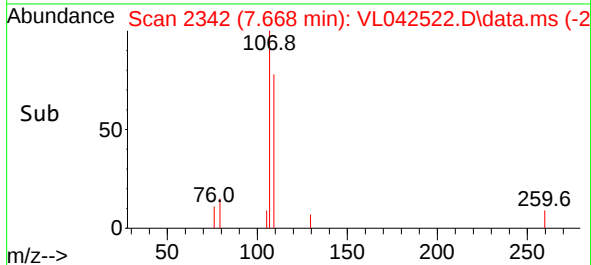
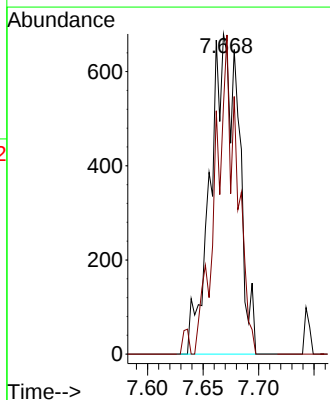
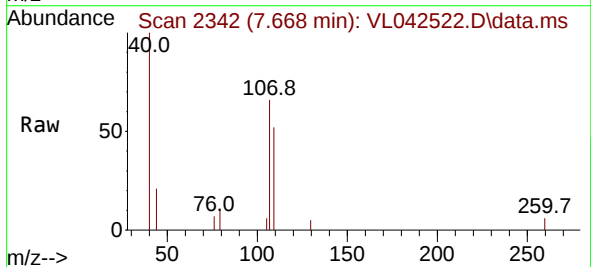
Manual Integrations
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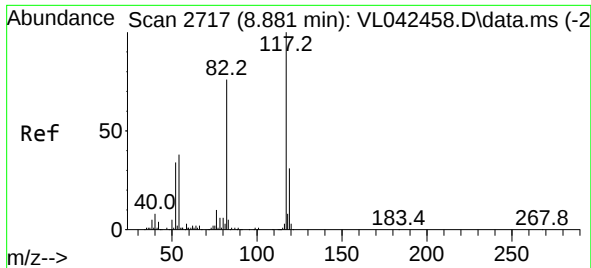
Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#54
1,2-Dibromoethane
Concen: 0.113 ppbv m
RT: 7.668 min Scan# 2342
Delta R.T. 0.020 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

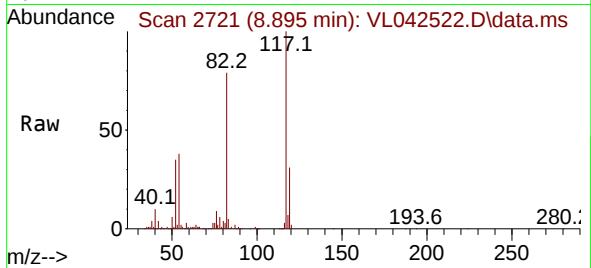
Tgt Ion:107 Resp: 1211
Ion Ratio Lower Upper
107 100
109 77.8 76.0 114.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.014 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

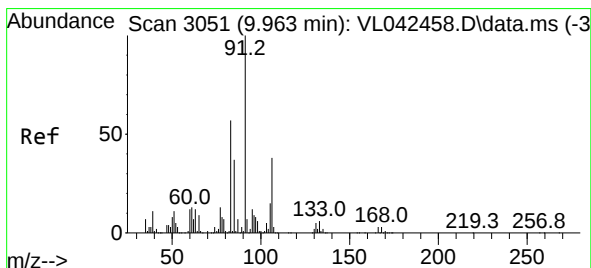
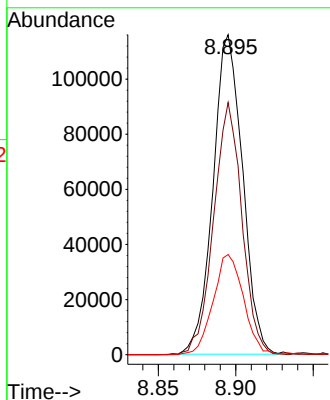
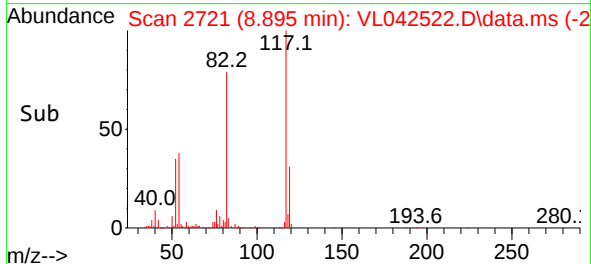
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



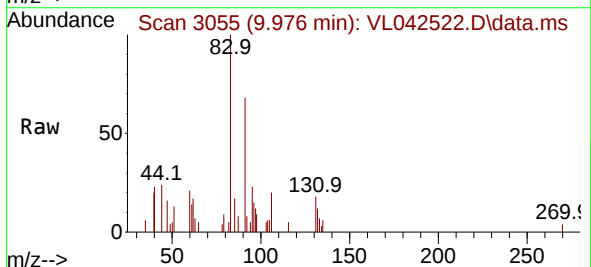
Tgt Ion: 117 Resp: 153768
Ion Ratio Lower Upper
117 100
82 75.6 63.5 95.3
119 32.7 25.8 38.8

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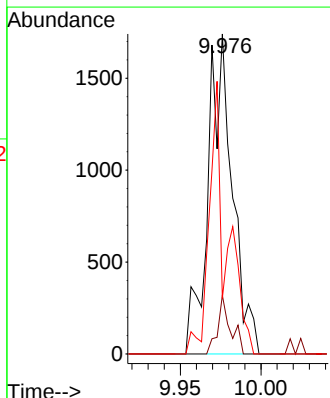
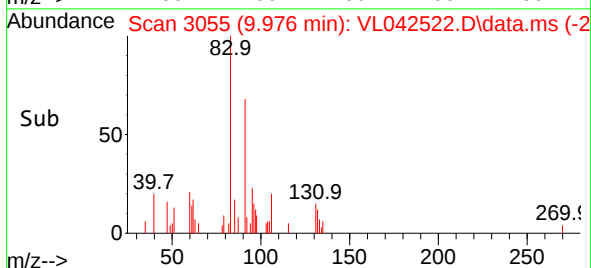
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Supervised By :Mahesh Dadoda 05/09/2025

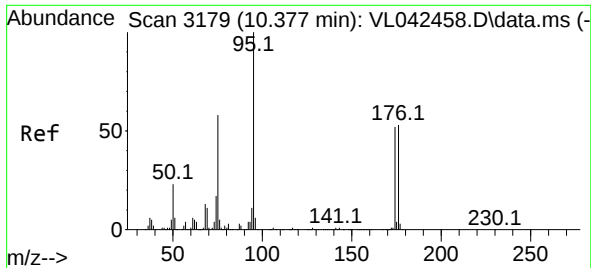


#63
1,1,2,2-Tetrachloroethane
Concen: 0.124 ppbv m
RT: 9.976 min Scan# 3055
Delta R.T. 0.014 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24



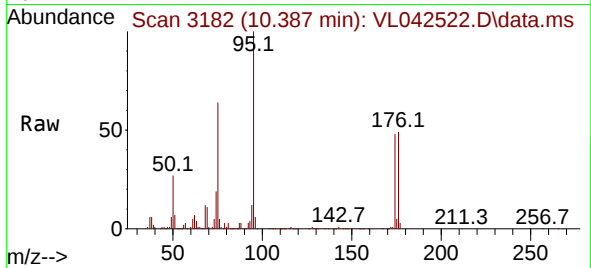
Tgt Ion: 83 Resp: 1839
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 0.0 32.5 97.4#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 10.387 min Scan# 3179
Delta R.T. 0.010 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24

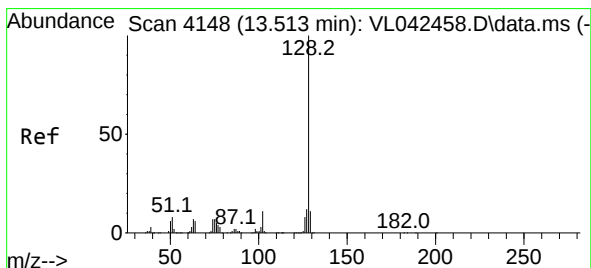
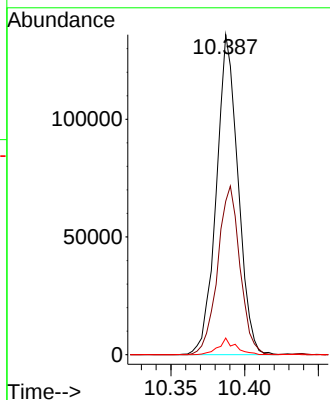
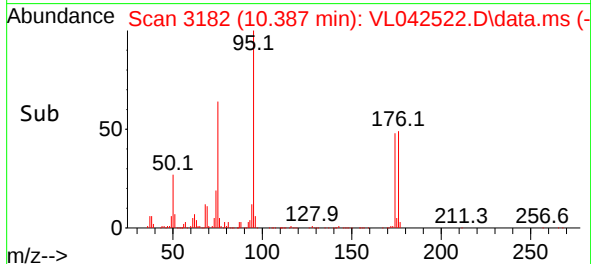
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



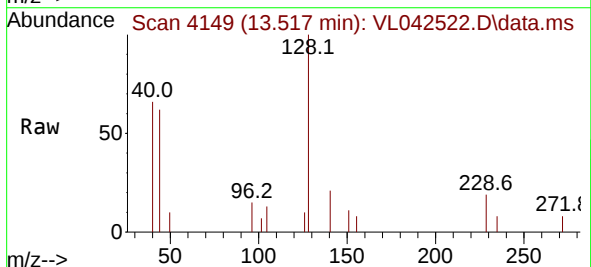
Tgt Ion: 95 Resp: 139250
Ion Ratio Lower Upper
95 100
174 54.5 42.7 64.1
175 4.1 3.6 5.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2025
Supervised By :Mahesh Dadoda 05/09/2025



#79
Naphthalene
Concen: 0.032 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.004 min
Lab File: VL042522.D
Acq: 07 May 2025 17:24



Tgt Ion:128 Resp: 740
Ion Ratio Lower Upper
128 100
127 0.0 9.7 14.5#
129 0.0 8.6 13.0#

