

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042693.D
 Acq On : 02 Jul 2025 10:34
 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 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 01:28:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M

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

QLast Update : Thu Jul 03 01:24:10 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	118772	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	294228	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	255724	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	188726	9.595	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	618	0.126	ppbv #	69
32) 1,1,1-Trichloroethane	3.379	97	2266m	0.106	ppbv	
35) Carbon Tetrachloride	3.771	117	2173	0.106	ppbv #	97
38) Trichloroethene	4.557	130	1517m	0.118	ppbv	
52) Tetrachloroethene	8.234	164	1129m	0.114	ppbv	
54) 1,2-Dibromoethane	7.664	107	1633m	0.103	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	2234	0.095	ppbv	87
79) Naphthalene	13.523	128	1231m	0.042	ppbv	

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

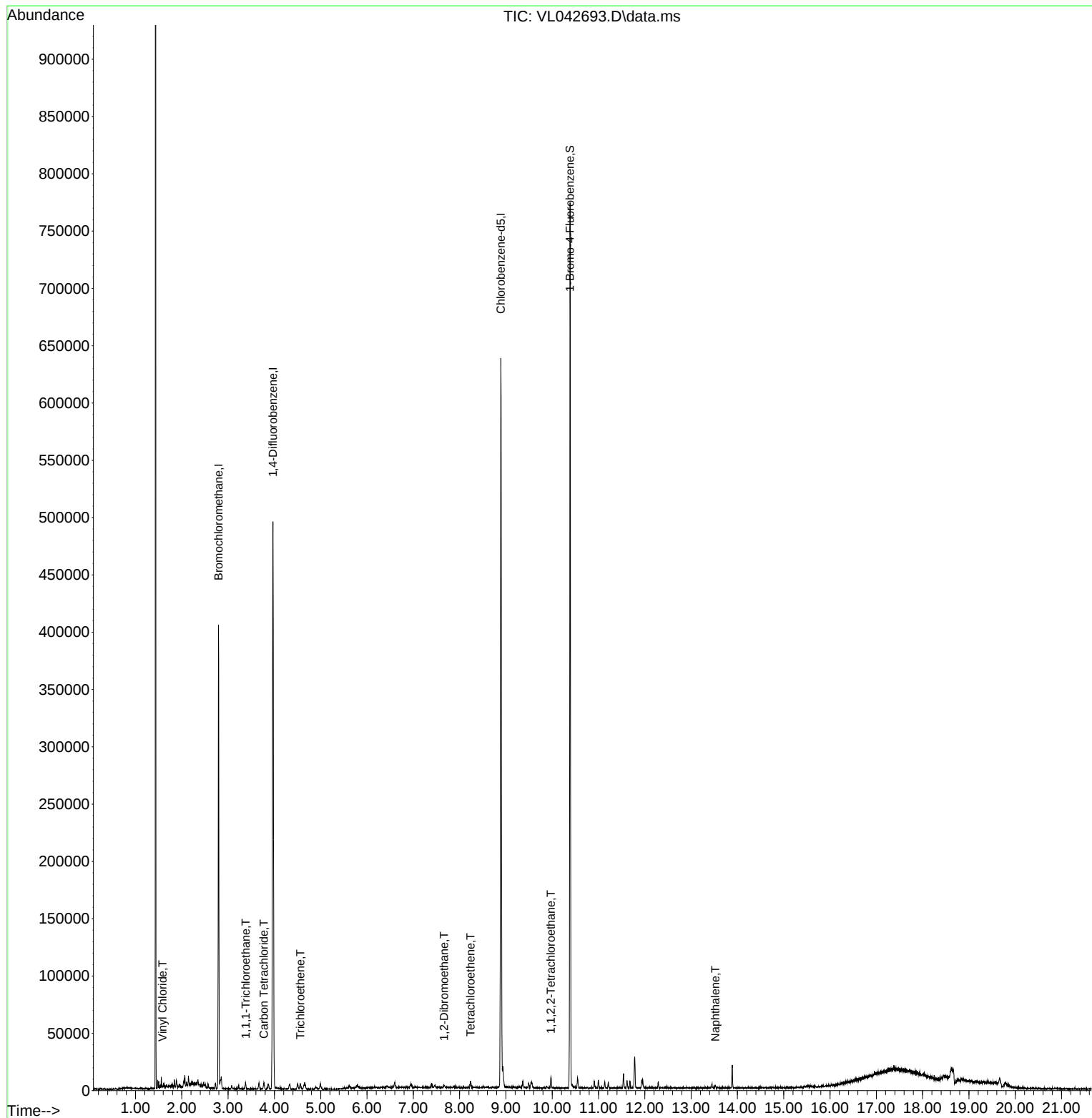
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
Data File : VL042693.D
Acq On : 02 Jul 2025 10:34
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

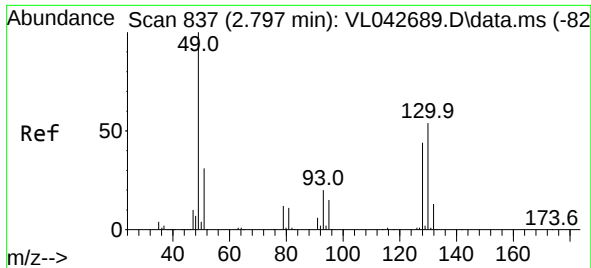
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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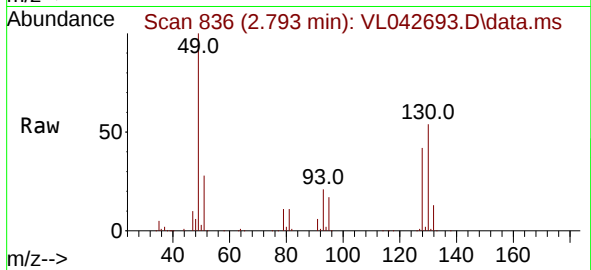
Quant Time: Jul 03 01:28:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

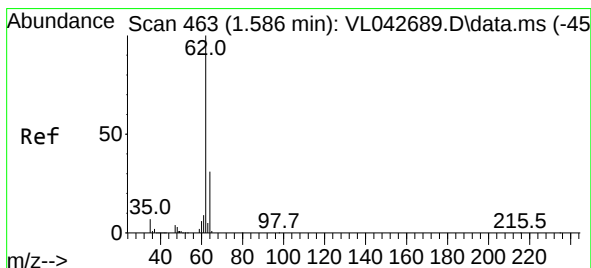
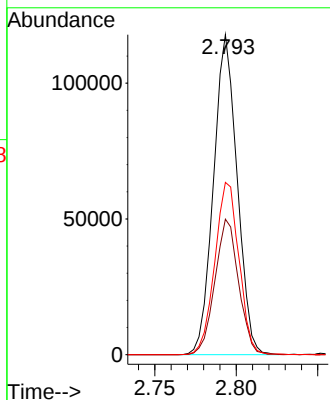
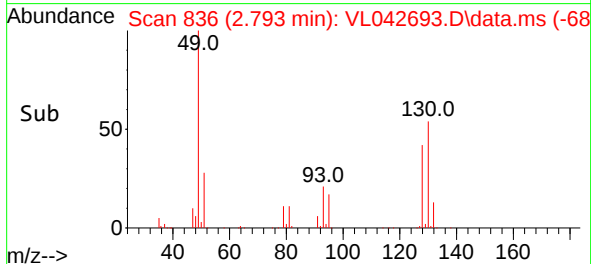
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



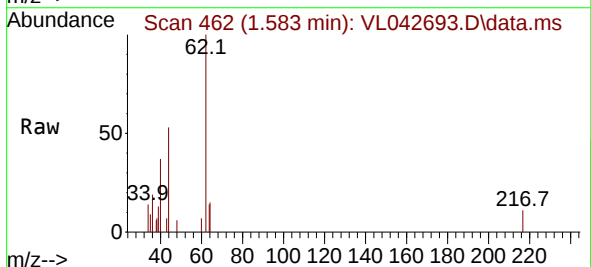
Tgt Ion: 49 Resp: 118772
Ion Ratio Lower Upper
49 100
128 42.5 21.4 64.2
130 55.2 28.0 84.0

Manual Integrations
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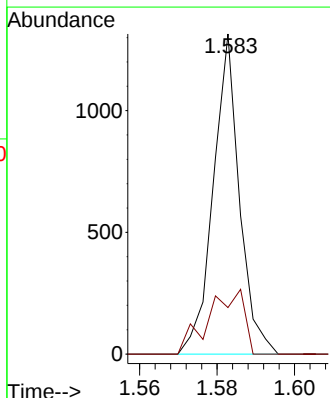
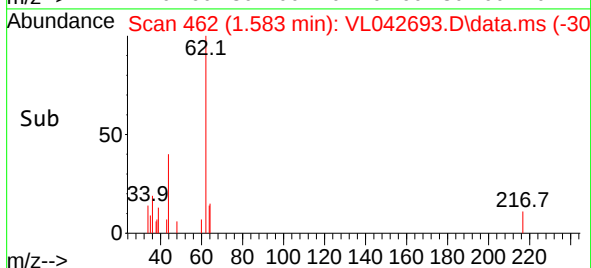
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

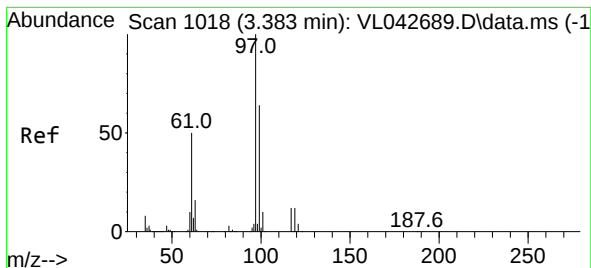


#5
Vinyl Chloride
Concen: 0.126 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.003 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34



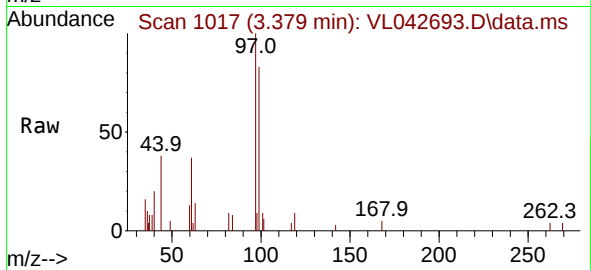
Tgt Ion: 62 Resp: 618
Ion Ratio Lower Upper
62 100
64 14.5 25.1 37.7#





#32
 1,1,1-Trichloroethane
 Concen: 0.106 ppbv m
 RT: 3.379 min Scan# 1199
 Delta R.T. -0.003 min
 Lab File: VL042693.D
 Acq: 02 Jul 2025 10:34

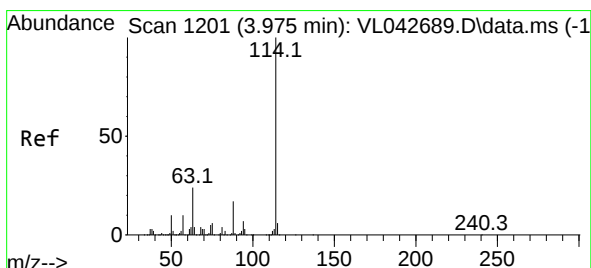
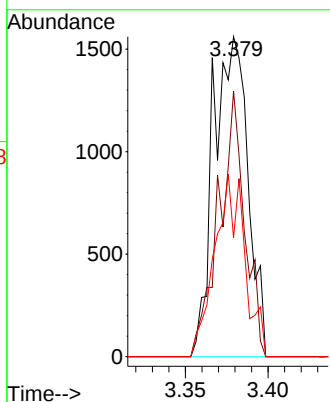
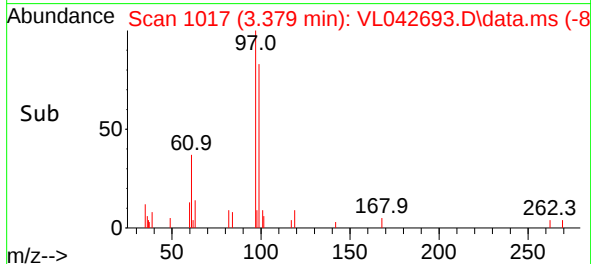
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion: 97 Resp: 2260
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.4 77.0
 61 49.4 41.1 61.7

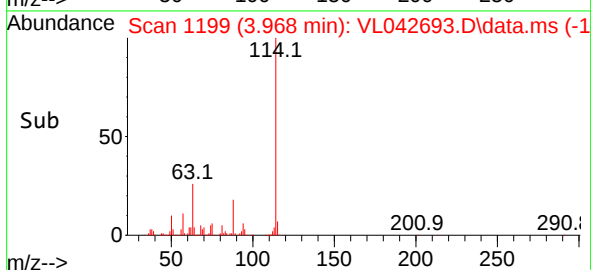
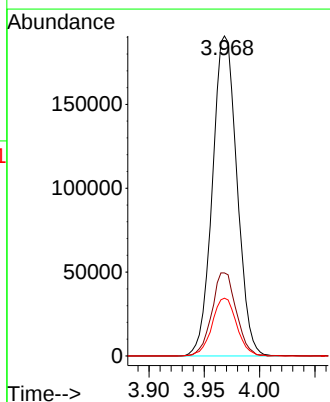
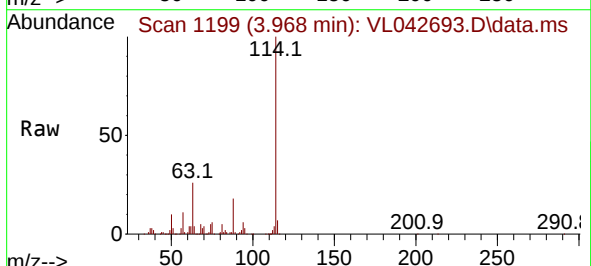
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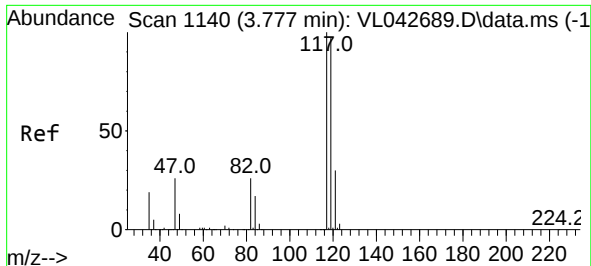
Reviewed By :Semsettin Yesilyurt 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.968 min Scan# 1199
 Delta R.T. -0.007 min
 Lab File: VL042693.D
 Acq: 02 Jul 2025 10:34

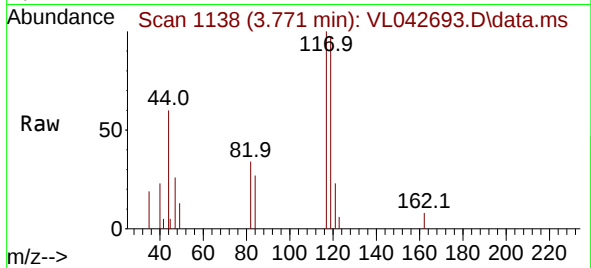
Tgt Ion:114 Resp: 294228
 Ion Ratio Lower Upper
 114 100
 63 26.0 20.4 30.6
 88 18.1 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.106 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. -0.007 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

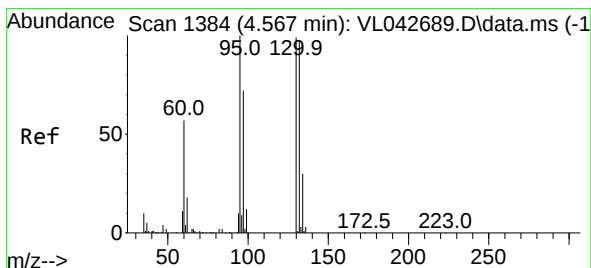
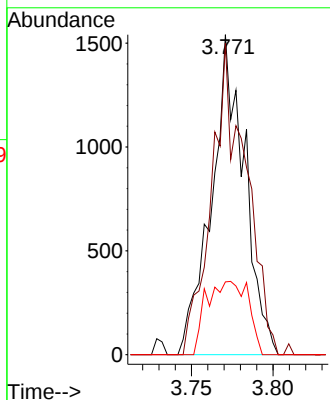
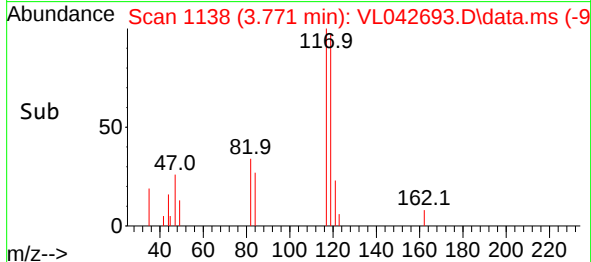
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 217
Ion Ratio Lower Upper
117 100
119 97.4 77.6 116.4
121 22.8 24.0 36.0

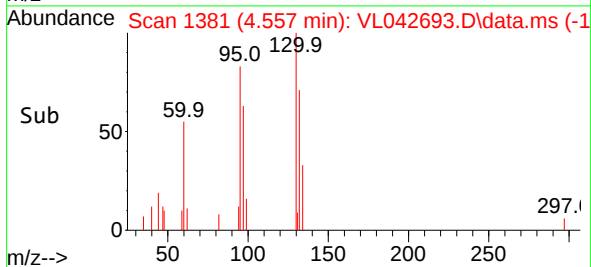
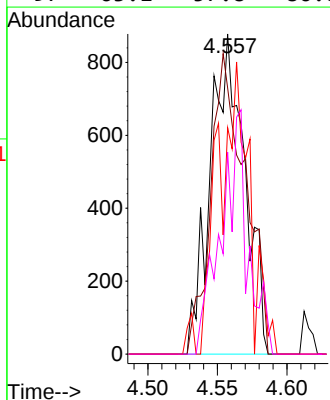
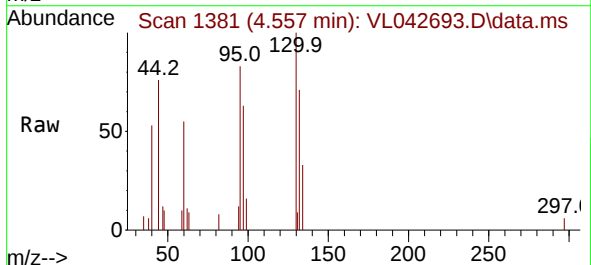
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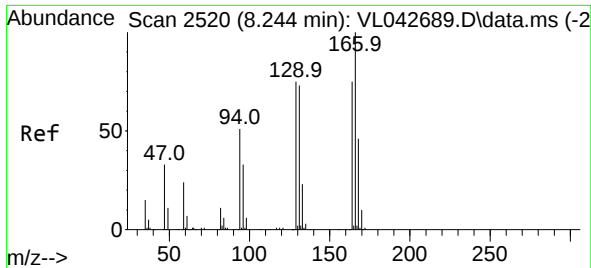
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#38
Trichloroethene
Concen: 0.118 ppbv m
RT: 4.557 min Scan# 1381
Delta R.T. -0.010 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

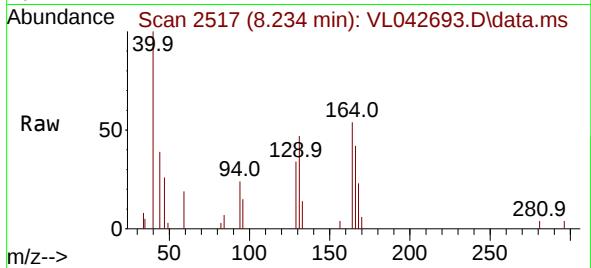
Tgt Ion:130 Resp: 1517
Ion Ratio Lower Upper
130 100
95 83.1 81.1 121.7
132 70.7 77.9 116.9#
97 63.1 57.8 86.8





#52
Tetrachloroethene
Concen: 0.114 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.010 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

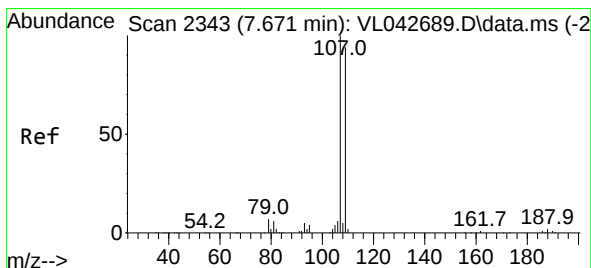
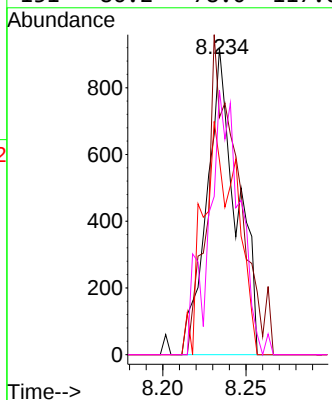
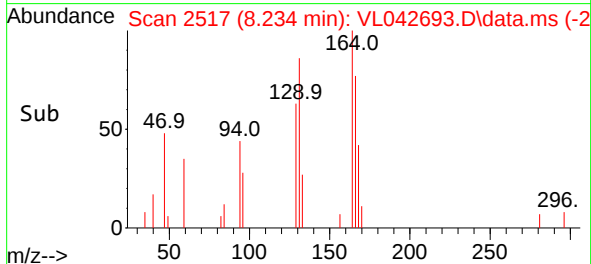
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion:164 Resp: 1129
Ion Ratio Lower Upper
164 100
166 77.4 106.6 160.0
129 63.3 79.8 119.6
131 86.2 78.0 117.0

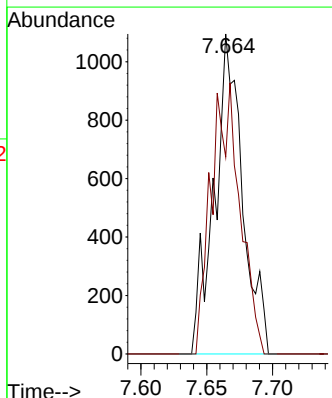
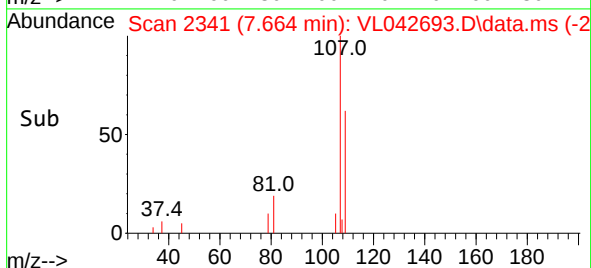
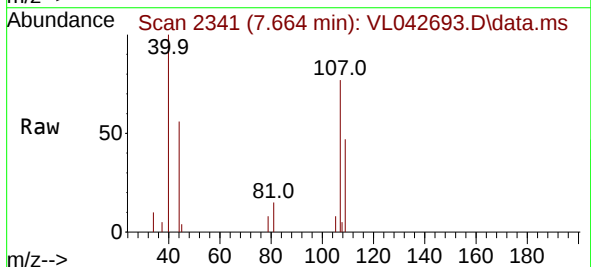
Manual Integrations
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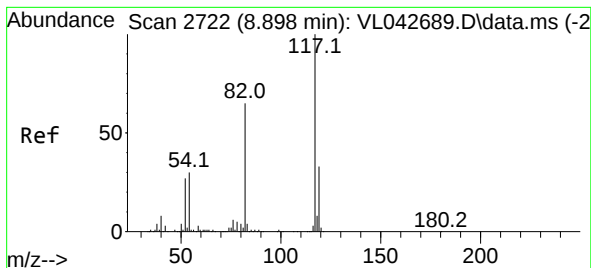
Reviewed By :Semsettin Yesilyurt 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



#54
1,2-Dibromoethane
Concen: 0.103 ppbv m
RT: 7.664 min Scan# 2341
Delta R.T. -0.007 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

Tgt Ion:107 Resp: 1633
Ion Ratio Lower Upper
107 100
109 61.6 74.8 112.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL042693.D

Acq: 02 Jul 2025 10:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

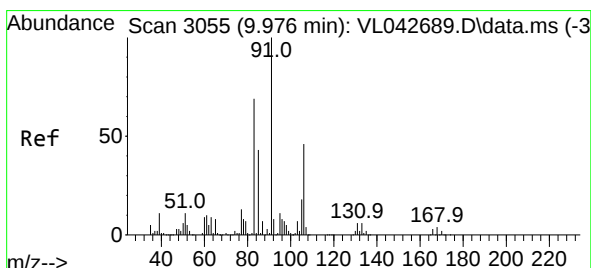
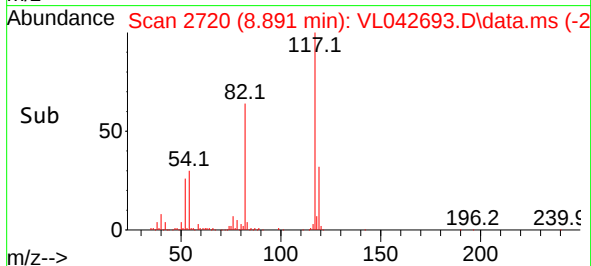
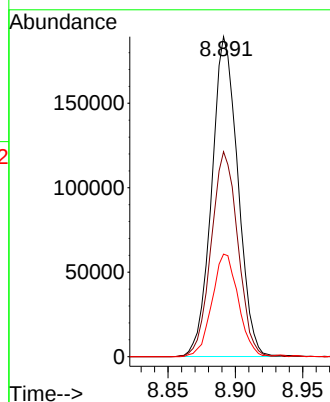
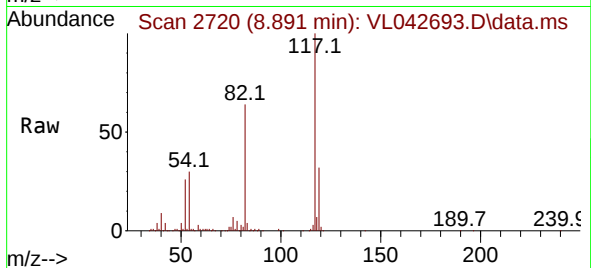
Tgt Ion: 117 Resp: 255724

Ion	Ratio	Lower	Upper
117	100		
82	65.5	53.4	80.2
119	32.6	26.6	39.8

Manual Integrations

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Supervised By :Mahesh Dadoda 07/03/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.095 ppbv

RT: 9.969 min Scan# 3053

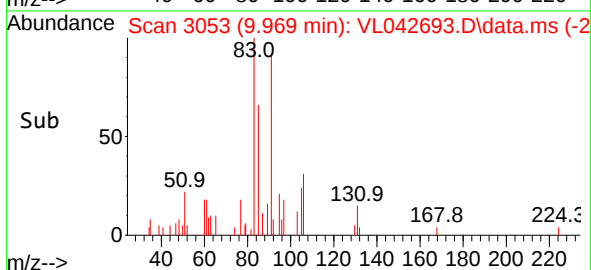
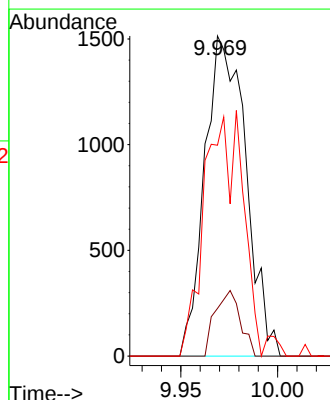
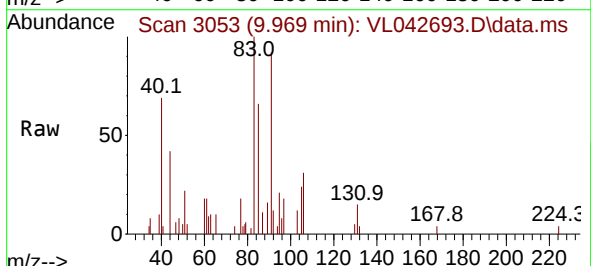
Delta R.T. -0.007 min

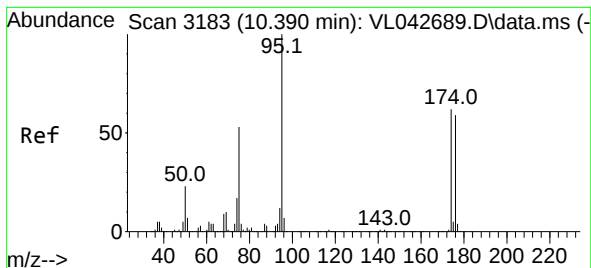
Lab File: VL042693.D

Acq: 02 Jul 2025 10:34

Tgt Ion: 83 Resp: 2234

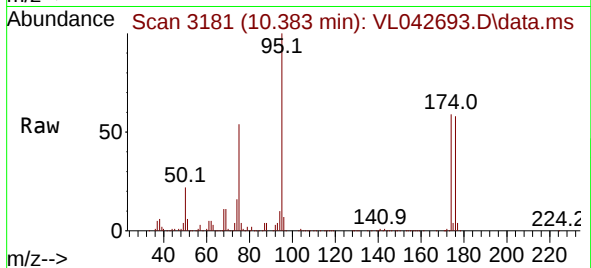
Ion	Ratio	Lower	Upper
83	100		
131	12.6	4.5	13.4
85	73.5	31.5	94.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.595 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34

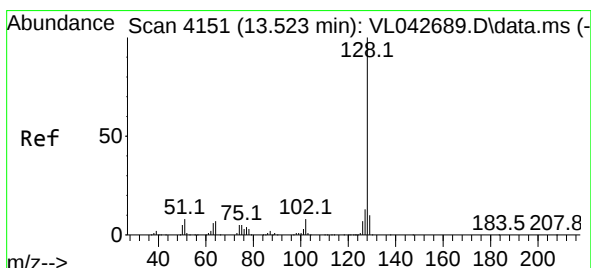
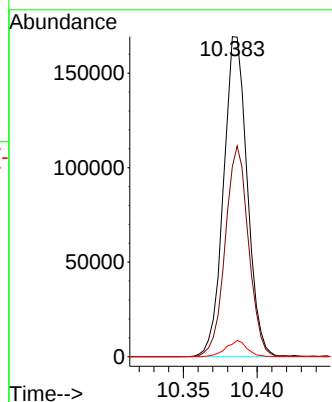
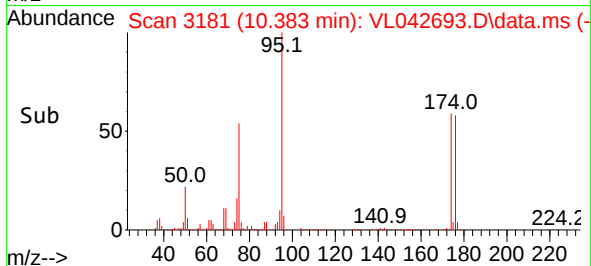
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



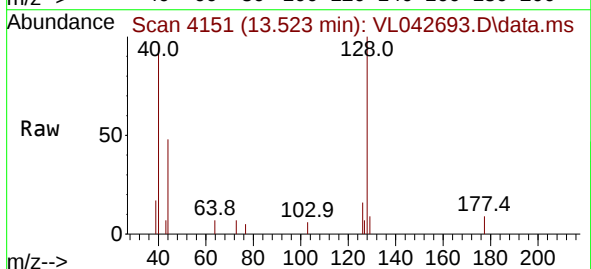
Tgt Ion: 95 Resp: 188720
Ion Ratio Lower Upper
95 100
174 64.9 51.2 76.8
175 4.5 3.8 5.8

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 07/03/2025



#79
Naphthalene
Concen: 0.042 ppbv m
RT: 13.523 min Scan# 4151
Delta R.T. -0.000 min
Lab File: VL042693.D
Acq: 02 Jul 2025 10:34



Tgt Ion:128 Resp: 1231
Ion Ratio Lower Upper
128 100
127 6.6 10.2 15.4#
129 8.8 8.2 12.2

