

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043208.D
 Acq On : 18 Nov 2025 12:16
 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 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:51:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

QLast Update : Wed Nov 19 00:48:15 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	101366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273996	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	222034	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	160968	9.890	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.580	62	664	0.114	ppbv	97
32) 1,1,1-Trichloroethane	3.360	97	2074m	0.102	ppbv	
35) Carbon Tetrachloride	3.761	117	2097m	0.101	ppbv	
38) Trichloroethene	4.541	130	1302m	0.127	ppbv	
52) Tetrachloroethene	8.218	164	1161m	0.119	ppbv	
54) 1,2-Dibromoethane	7.648	107	1446m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.953	83	2296m	0.106	ppbv	
79) Naphthalene	13.510	128	2732m	0.081	ppbv	

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

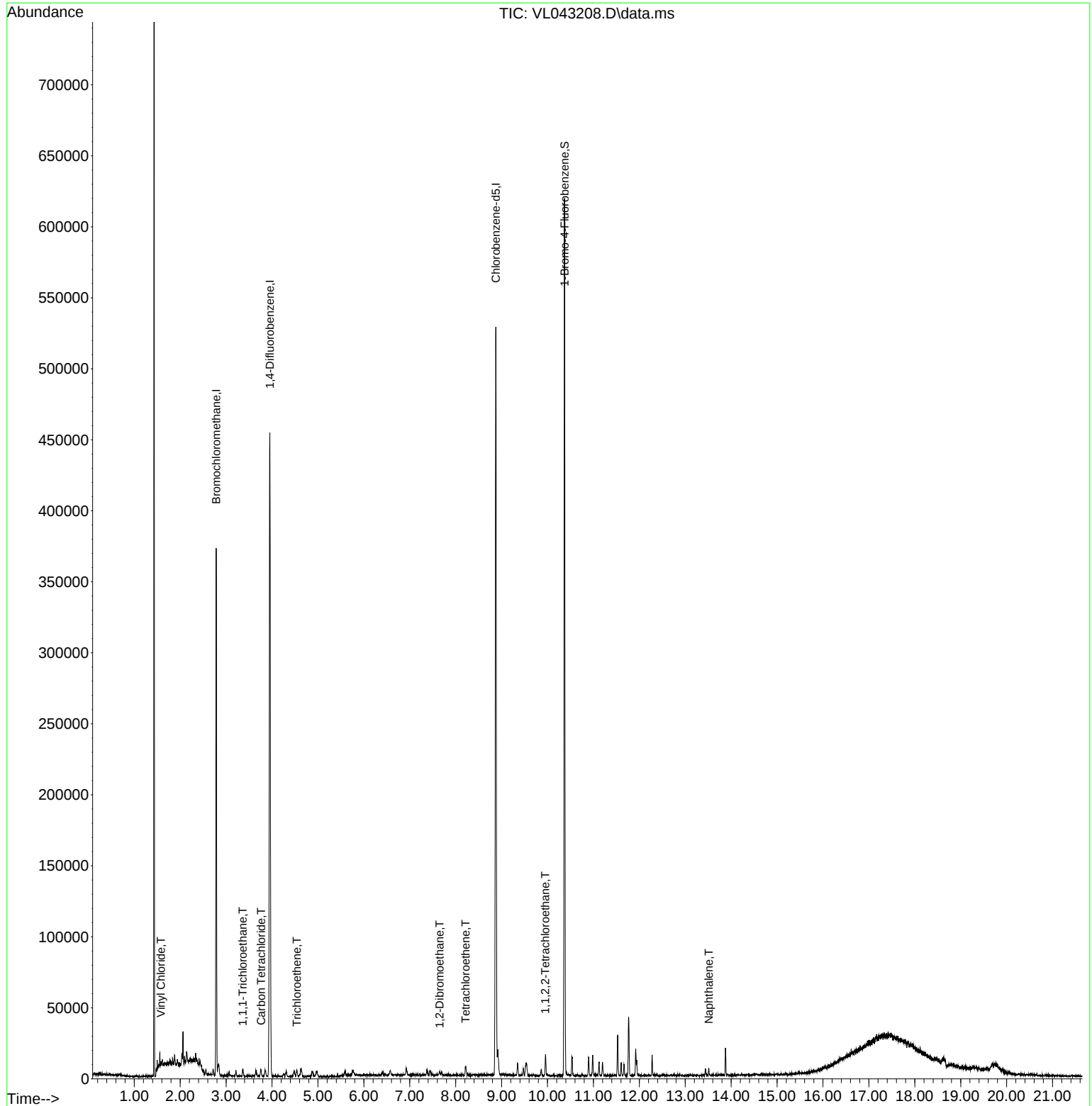
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDIC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

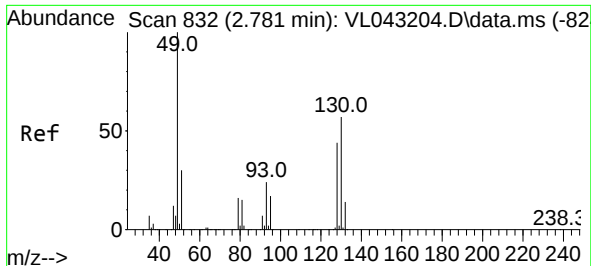
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

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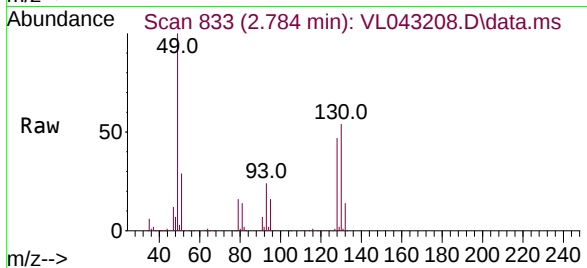
Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

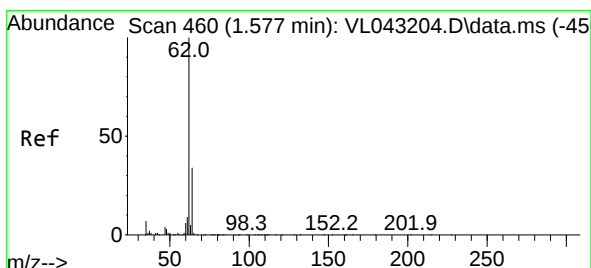
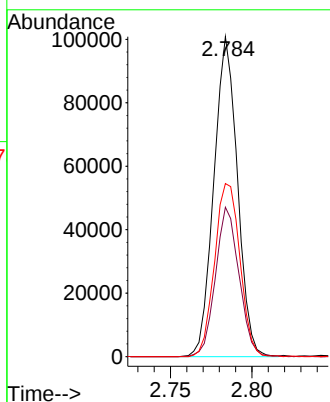
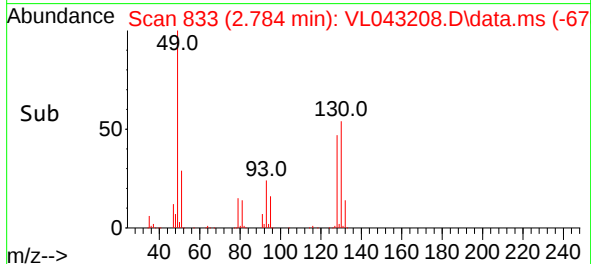
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 101366
Ion Ratio Lower Upper
49 100
128 46.8 23.0 69.0
130 58.3 29.9 89.7

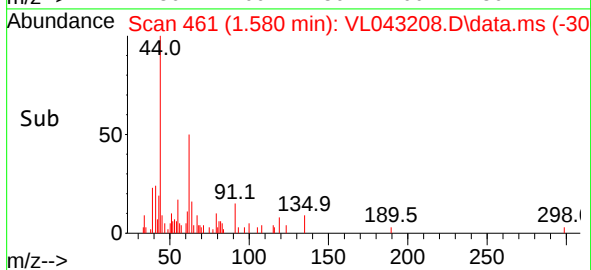
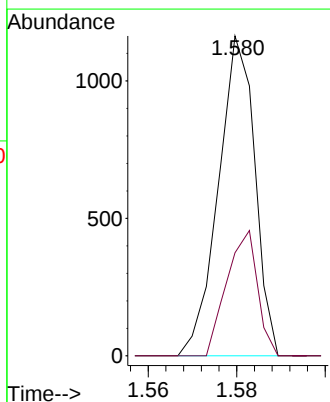
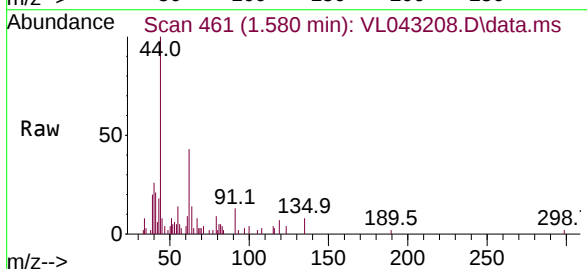
Manual Integrations
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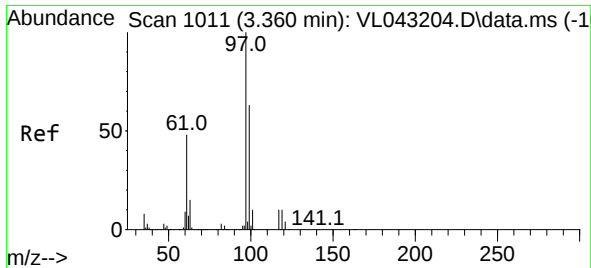
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#5
Vinyl Chloride
Concen: 0.114 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

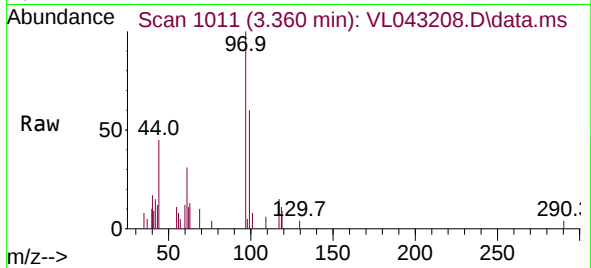
Tgt Ion: 62 Resp: 664
Ion Ratio Lower Upper
62 100
64 32.2 27.3 40.9





#32
1,1,1-Trichloroethane
Concen: 0.102 ppbv m
RT: 3.360 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

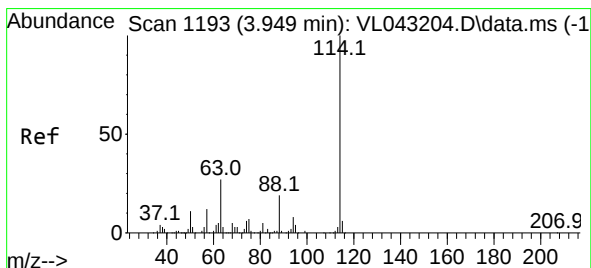
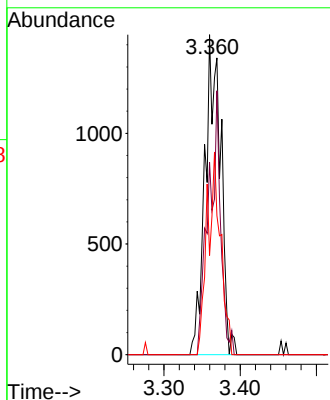
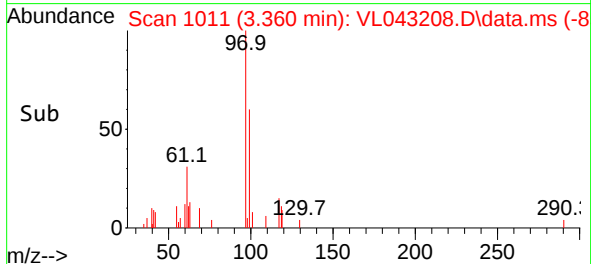
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



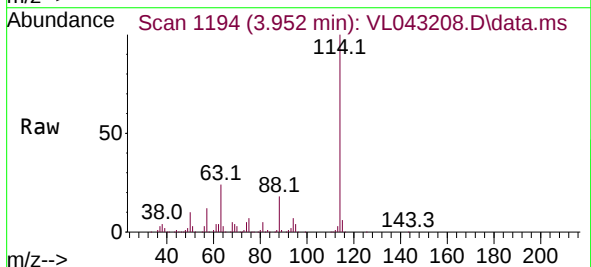
Tgt Ion: 97 Resp: 2074
Ion Ratio Lower Upper
97 100
99 62.7 50.3 75.5
61 53.5 38.9 58.3

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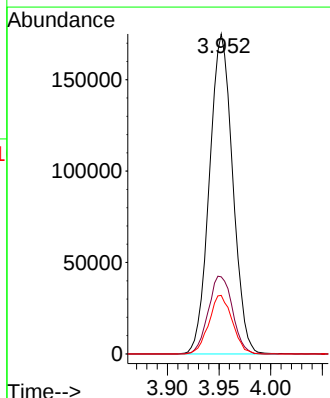
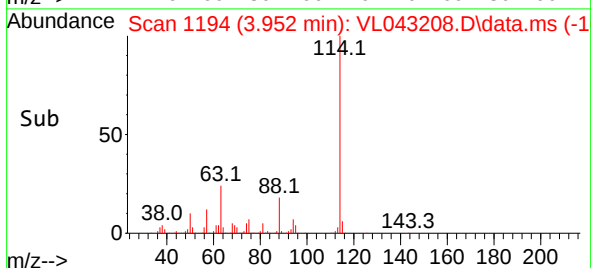
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Supervised By :Mahesh Dadoda 11/19/2025

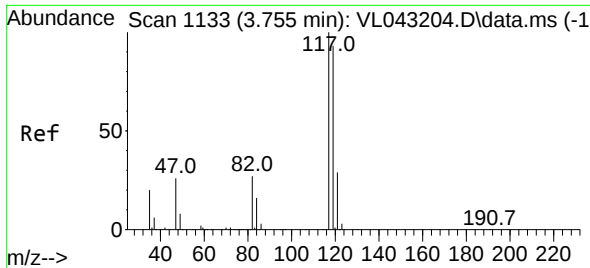


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16



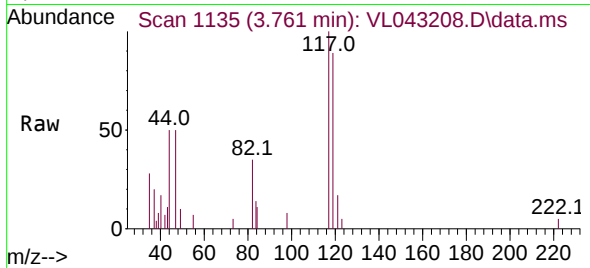
Tgt Ion:114 Resp: 273996
Ion Ratio Lower Upper
114 100
63 25.3 21.0 31.6
88 18.3 14.9 22.3





#35
Carbon Tetrachloride
Concen: 0.101 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

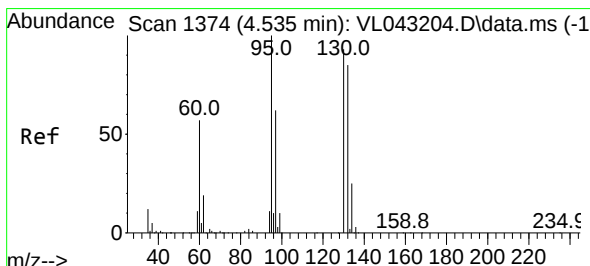
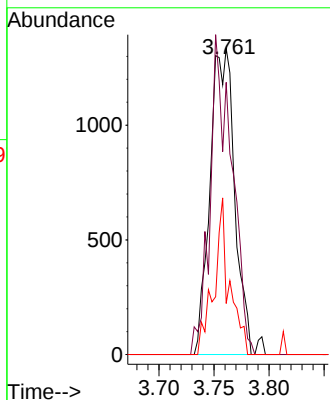
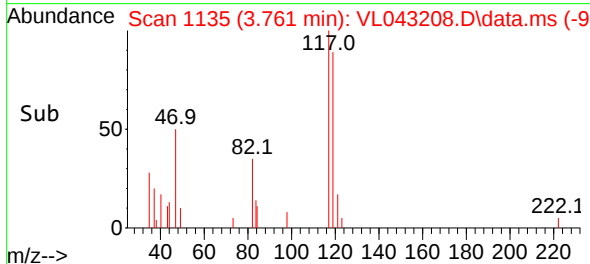
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



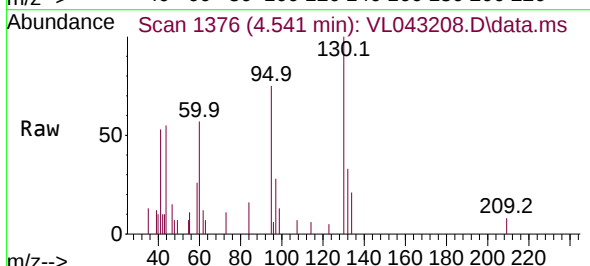
Tgt Ion:117 Resp: 2092
Ion Ratio Lower Upper
117 100
119 88.9 74.6 112.0
121 16.7 23.2 34.8

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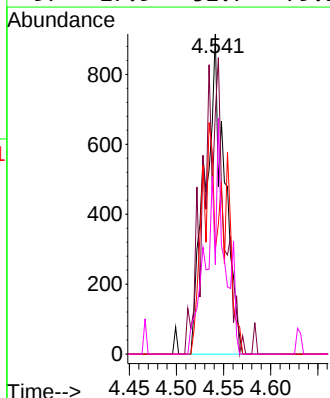
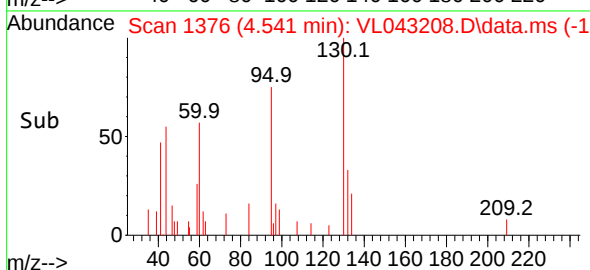
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

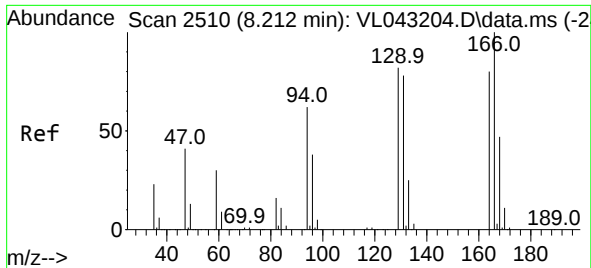


#38
Trichloroethene
Concen: 0.127 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16



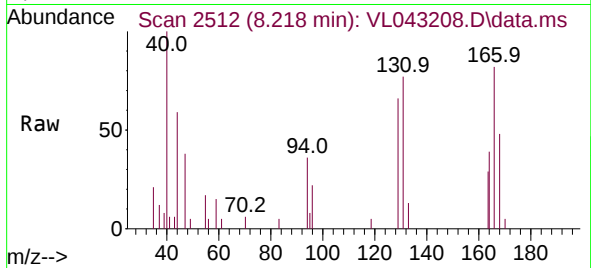
Tgt Ion:130 Resp: 1302
Ion Ratio Lower Upper
130 100
95 75.4 85.7 128.5#
132 32.6 73.4 110.0#
97 27.9 52.7 79.1#





#52
Tetrachloroethene
Concen: 0.119 ppbv m
RT: 8.218 min Scan# 2510
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

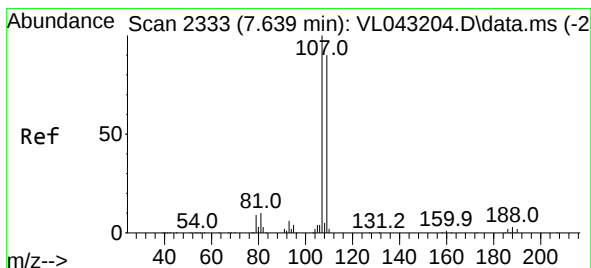
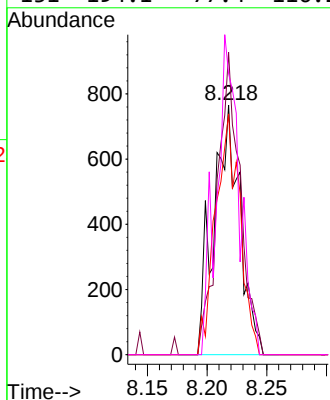
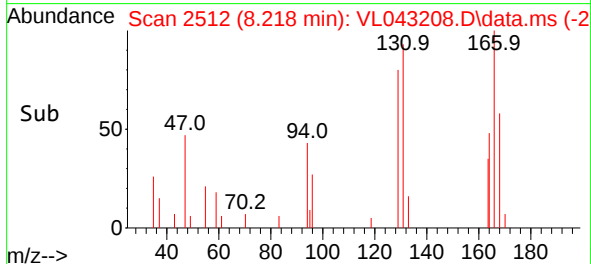
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 1163
Ion Ratio Lower Upper
164 100
166 209.0 99.4 149.2
129 166.4 81.8 122.8
131 194.1 77.4 116.2

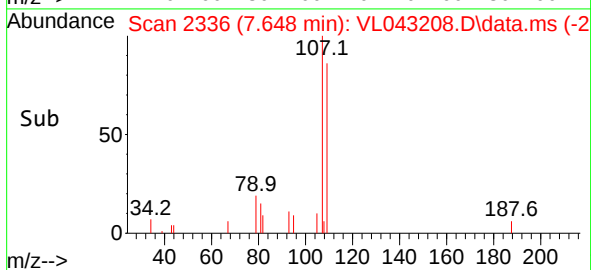
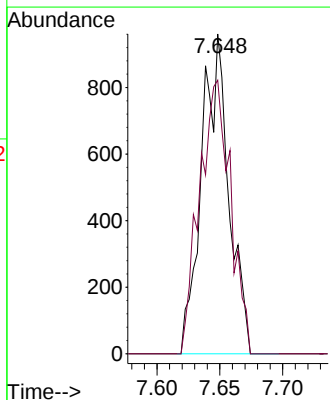
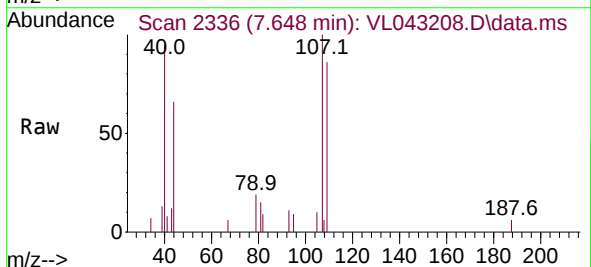
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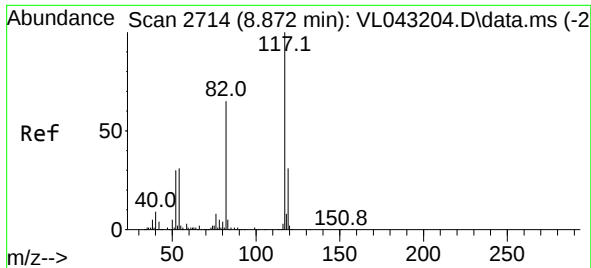
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Supervised By :Mahesh Dadoda 11/19/2025



#54
1,2-Dibromoethane
Concen: 0.096 ppbv m
RT: 7.648 min Scan# 2336
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:107 Resp: 1446
Ion Ratio Lower Upper
107 100
109 85.5 72.1 108.1





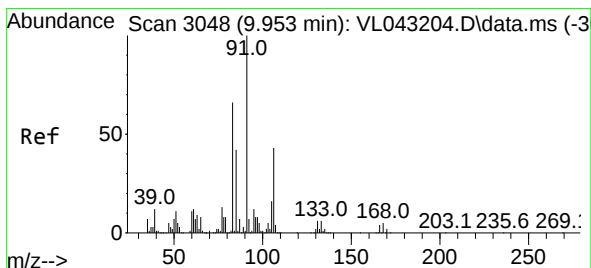
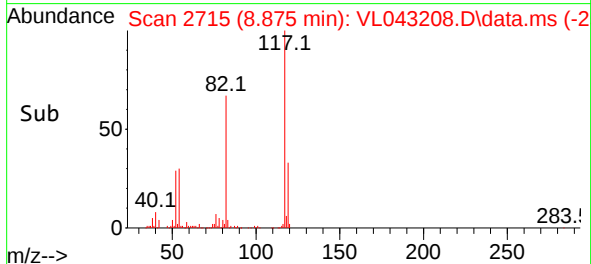
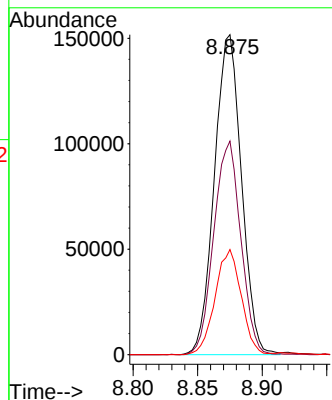
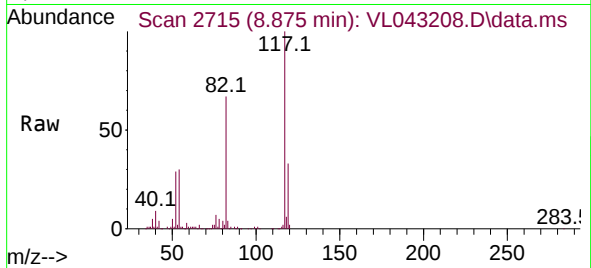
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2117
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 117 Resp: 222034
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 32.2 25.0 37.6

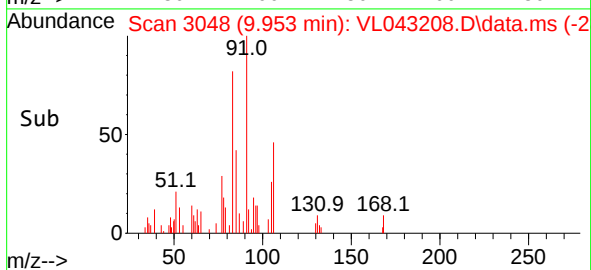
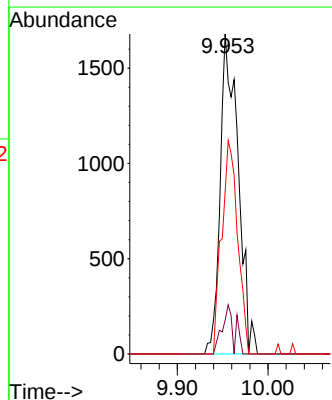
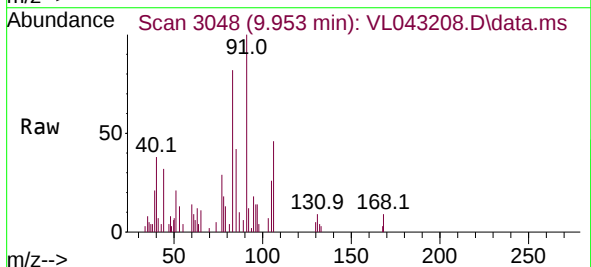
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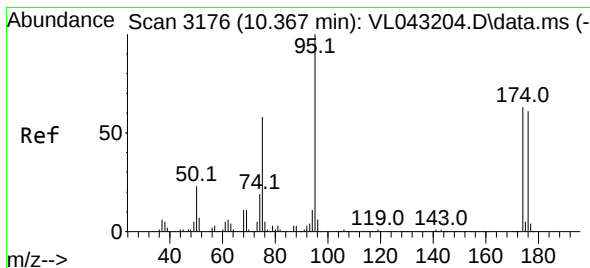
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.106 ppbv m
RT: 9.953 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 83 Resp: 2296
Ion Ratio Lower Upper
83 100
131 10.5 4.8 14.3
85 59.6 31.9 95.9





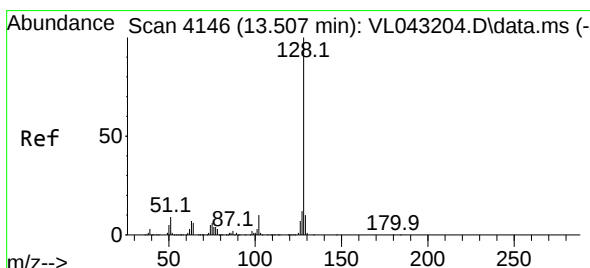
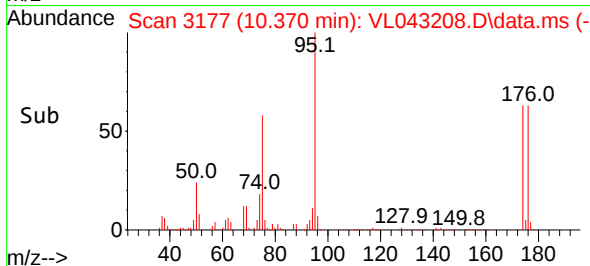
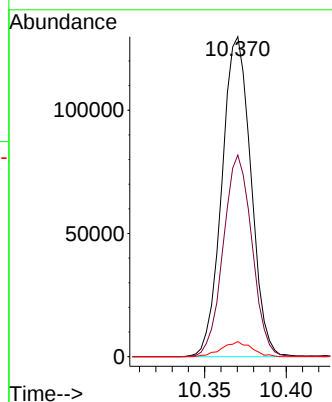
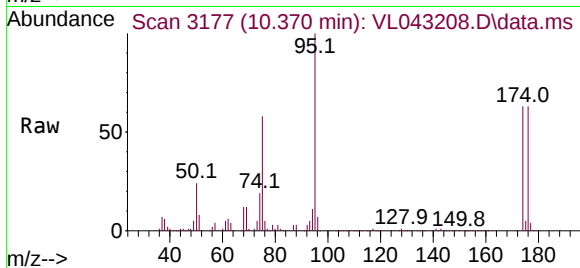
#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 95 Resp: 160968
Ion Ratio Lower Upper
95 100
174 62.5 50.2 75.2
175 4.8 4.1 6.1

Manual Integrations
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Supervised By :Mahesh Dadoda 11/19/2025



#79
Naphthalene
Concen: 0.081 ppbv m
RT: 13.510 min Scan# 4147
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:128 Resp: 2732
Ion Ratio Lower Upper
128 100
127 9.7 9.9 14.9#
129 18.1 8.4 12.6#

