

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043209.D
 Acq On : 18 Nov 2025 12:49
 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 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

Quant Time: Nov 19 00:52:39 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	98952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	266012	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	213547	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	152015	9.712	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	215m	0.038	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	628m	0.032	ppbv	
35) Carbon Tetrachloride	3.758	117	664m	0.033	ppbv	
38) Trichloroethene	4.542	130	234m	0.023	ppbv	
52) Tetrachloroethene	8.222	164	290m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	640m	0.031	ppbv	

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

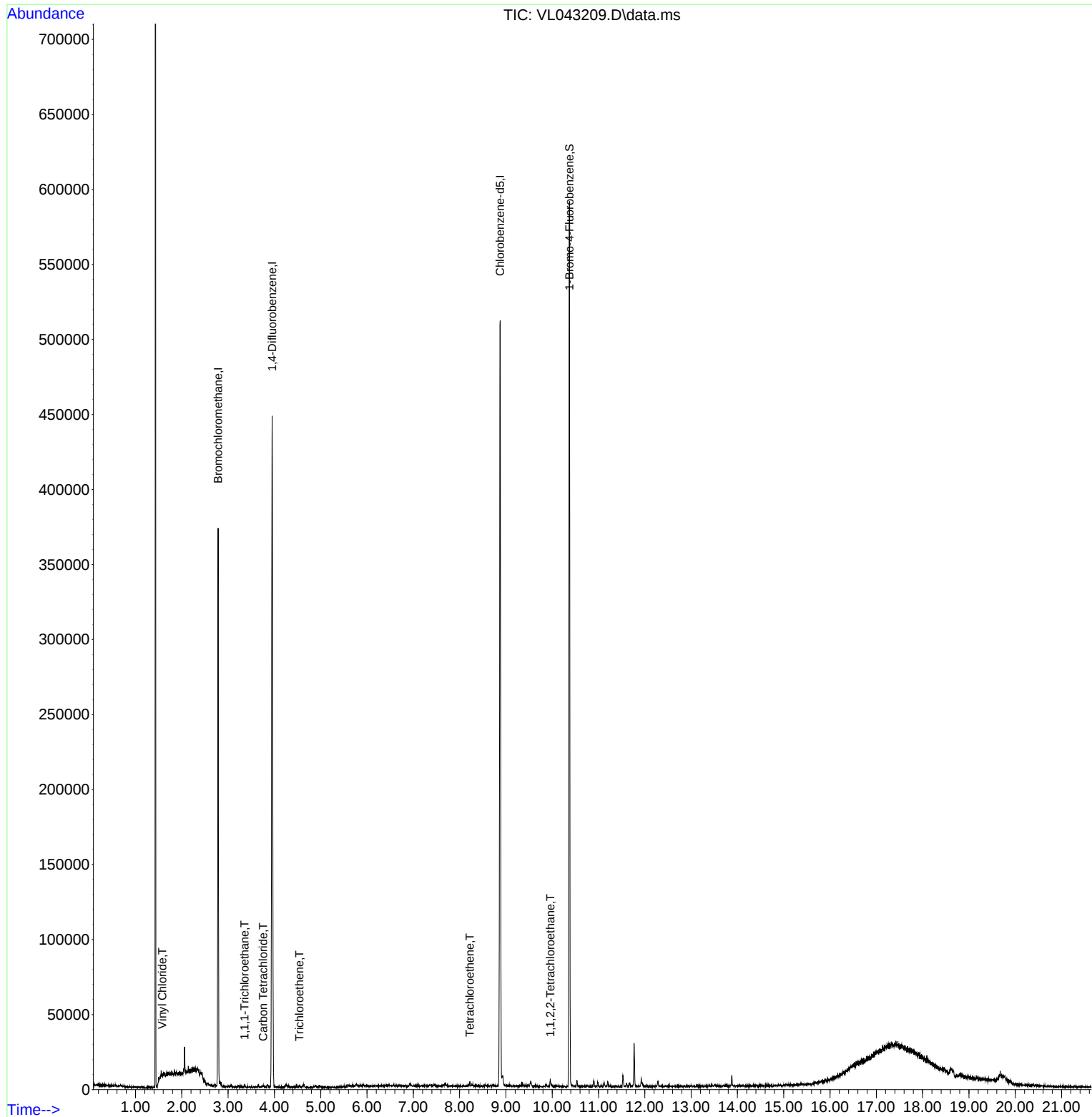
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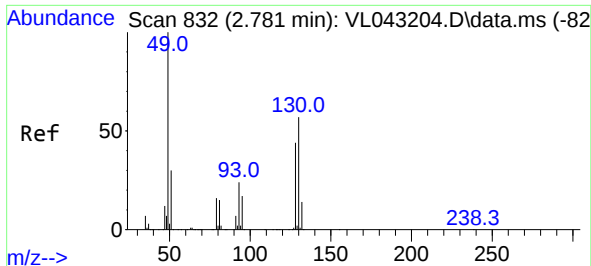
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ClientSampleId :
VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
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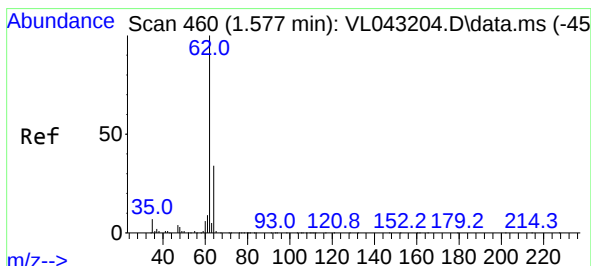
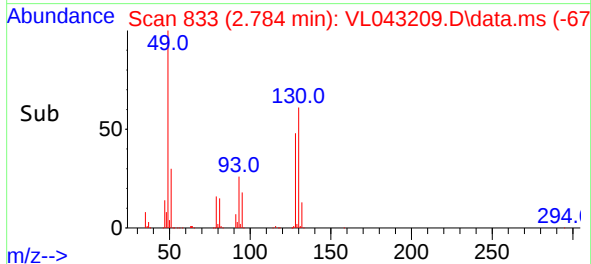
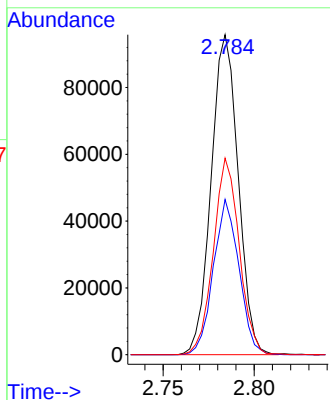
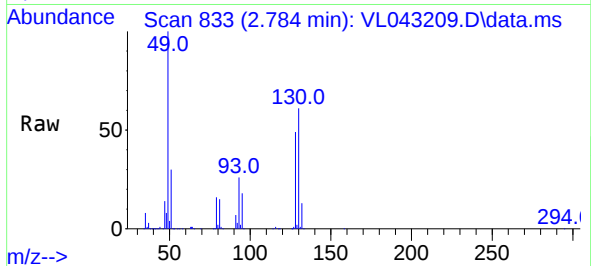
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 9895
Ion Ratio Lower Upper
49 100
128 45.9 23.0 69.0
130 58.8 29.9 89.7

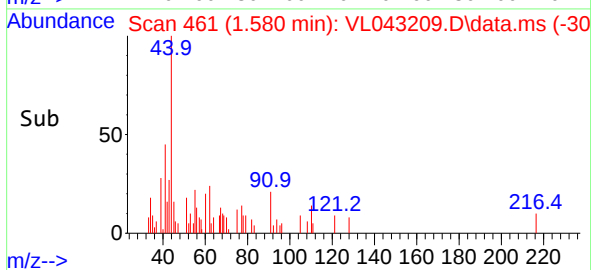
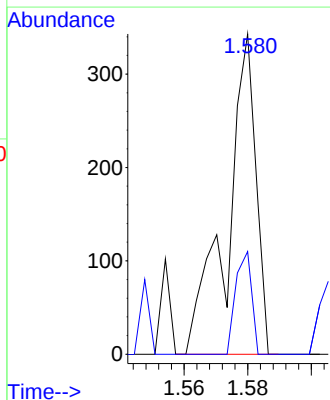
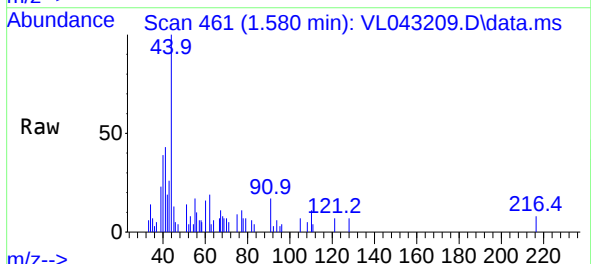
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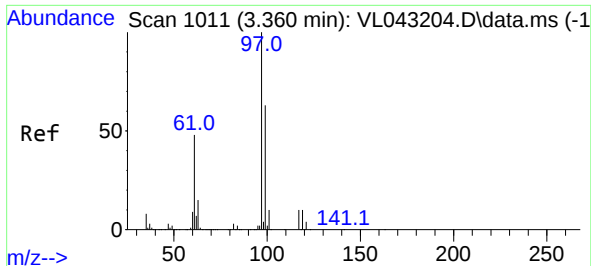
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#5
Vinyl Chloride
Concen: 0.038 ppbv m
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

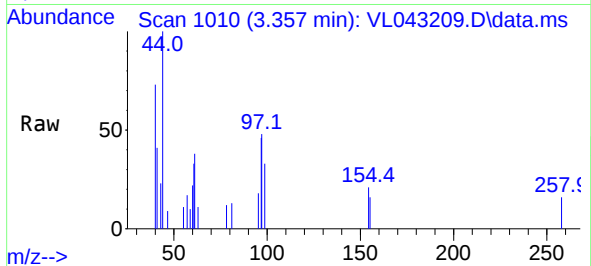
Tgt Ion: 62 Resp: 215
Ion Ratio Lower Upper
62 100
64 32.1 27.3 40.9





#32
1,1,1-Trichloroethane
Concen: 0.032 ppbv m
RT: 3.357 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

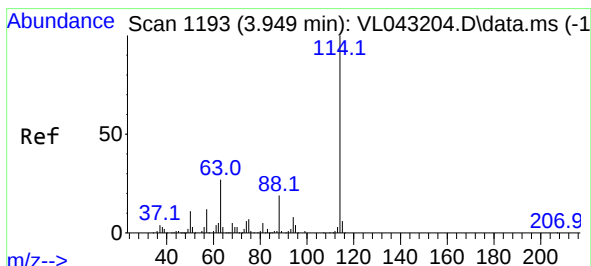
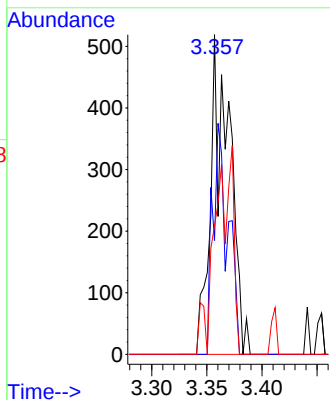
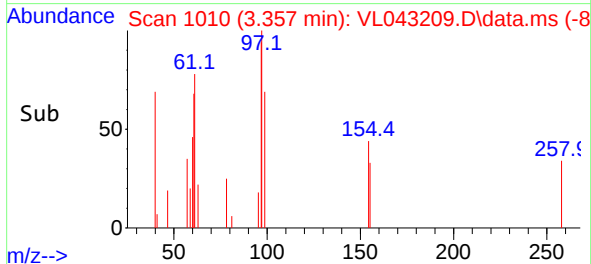
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



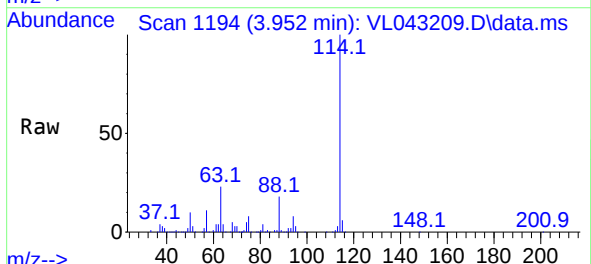
Tgt Ion: 97 Resp: 628
Ion Ratio Lower Upper
97 100
99 56.8 50.3 75.5
61 0.0 38.9 58.3

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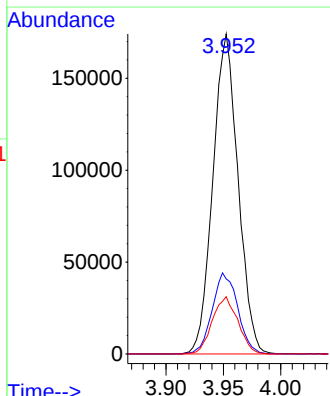
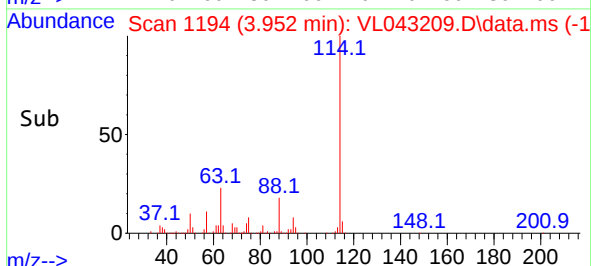
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Supervised By :Mahesh Dadoda 11/19/2025

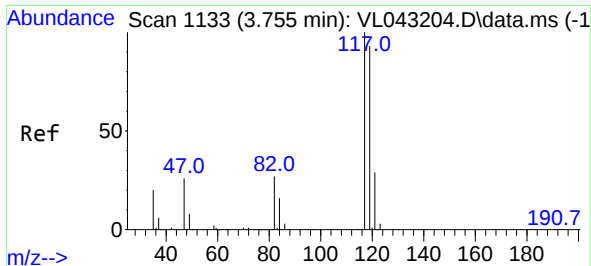


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49



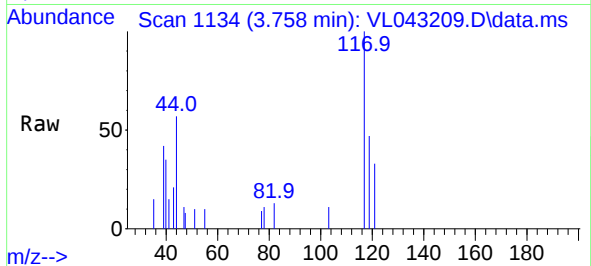
Tgt Ion:114 Resp: 266012
Ion Ratio Lower Upper
114 100
63 25.7 21.0 31.6
88 18.2 14.9 22.3





#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

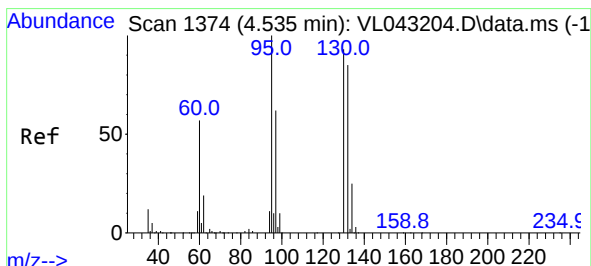
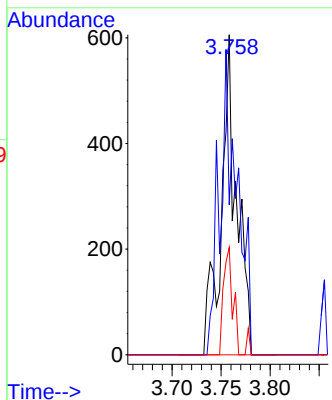
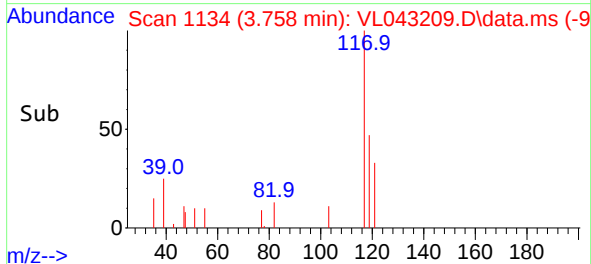
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



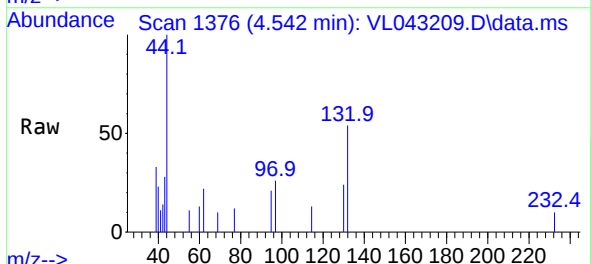
Tgt Ion:117 Resp: 664
Ion Ratio Lower Upper
117 100
119 46.9 74.6 112.0#
121 33.5 23.2 34.8

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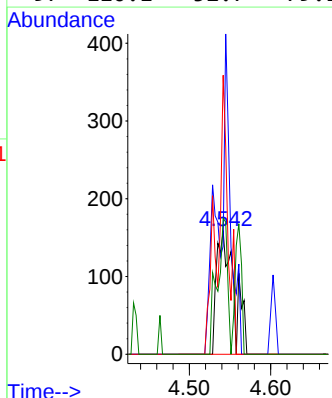
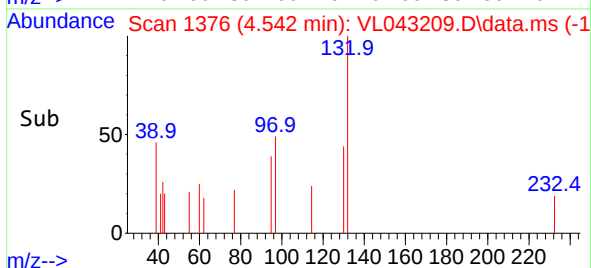
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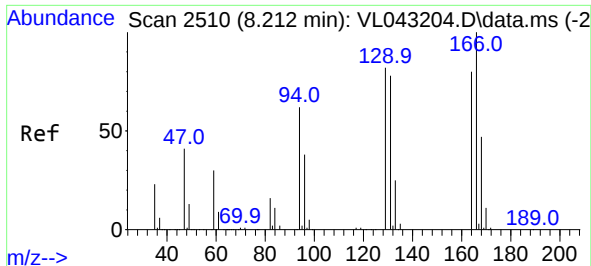


#38
Trichloroethene
Concen: 0.023 ppbv m
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49



Tgt Ion:130 Resp: 234
Ion Ratio Lower Upper
130 100
95 87.4 85.7 128.5
132 225.8 73.4 110.0#
97 110.1 52.7 79.1#





#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 8.222 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

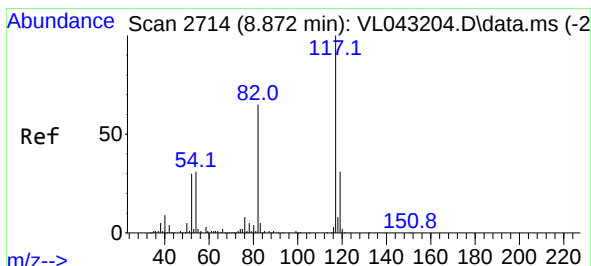
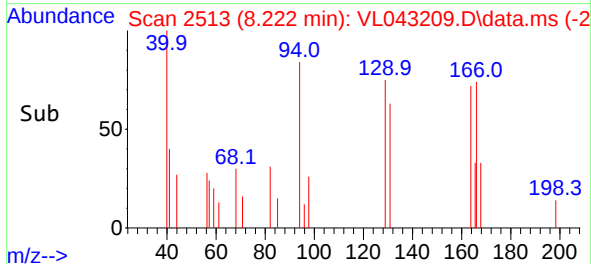
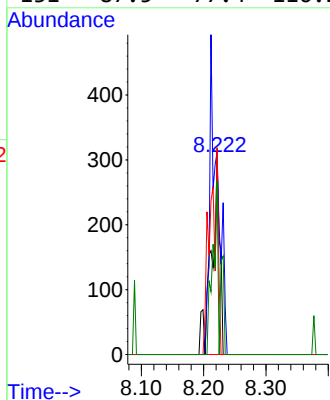
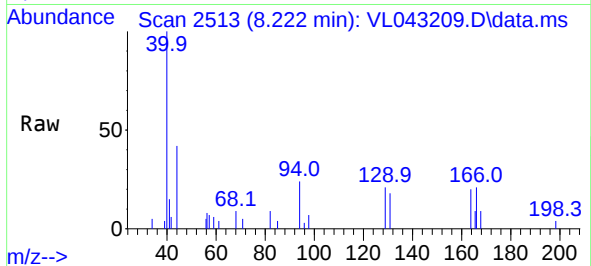
VSTDICC0.03

Tgt Ion:164 Resp: 290
Ion Ratio Lower Upper
164 100
166 102.3 99.4 149.2
129 104.6 81.8 122.8
131 87.5 77.4 116.2

Manual Integrations

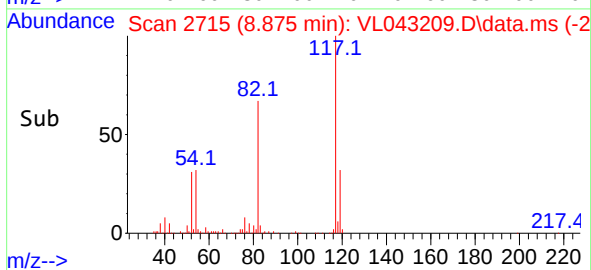
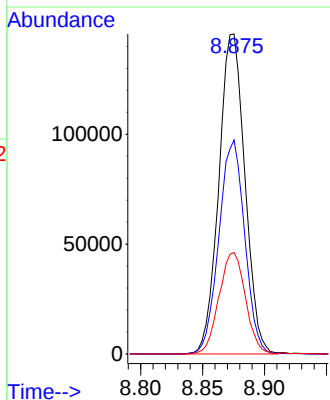
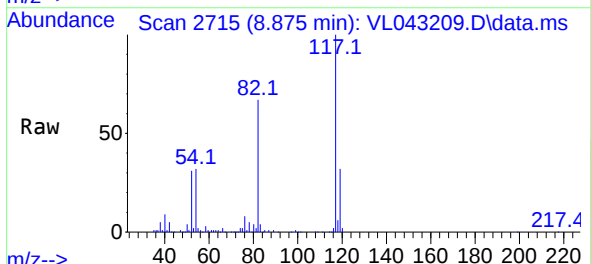
APPROVED

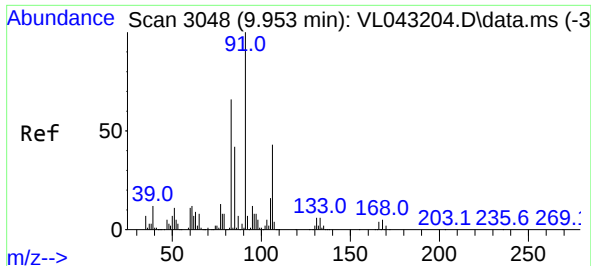
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Supervised By :Mahesh Dadoda 11/19/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:117 Resp: 213547
Ion Ratio Lower Upper
117 100
82 66.2 56.1 84.1
119 32.3 25.0 37.6





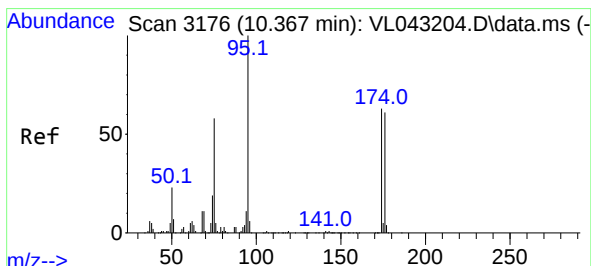
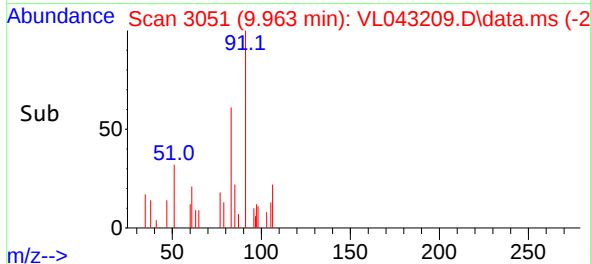
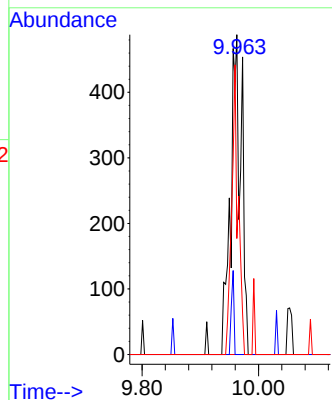
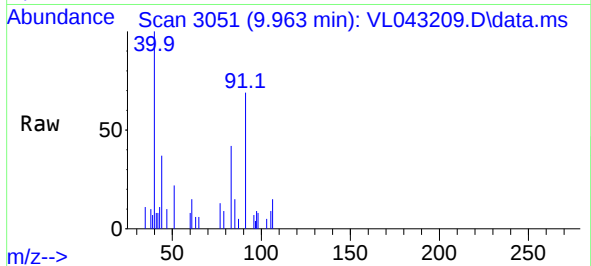
#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv m
RT: 9.963 min Scan# 3048
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 640
Ion Ratio Lower Upper
83 100
131 6.1 4.8 14.3
85 52.8 31.9 95.9

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 95 Resp: 152015
Ion Ratio Lower Upper
95 100
174 62.0 50.2 75.2
175 4.6 4.1 6.1

