

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043168.D
 Acq On : 06 Nov 2025 15:27
 Operator : SY/MD
 Sample : Q3556-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-SG-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
 Supervised By :Mahesh Dadoda 11/10/2025

Quant Time: Nov 07 00:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	112949	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	318311	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	264373	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	205406	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
13) Ethanol	1.722	45	9199	3.228	ppbv	95
15) Acetone	1.835	43	20709	1.360	ppbv	98
20) Methylene Chloride	2.062	84	2190	0.364	ppbv #	92
29) Chloroform	2.848	83	6795	0.270	ppbv	87
34) 2-Butanone	2.557	43	3680	0.172	ppbv	95
52) Tetrachloroethene	8.218	164	1171m	0.108	ppbv	

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

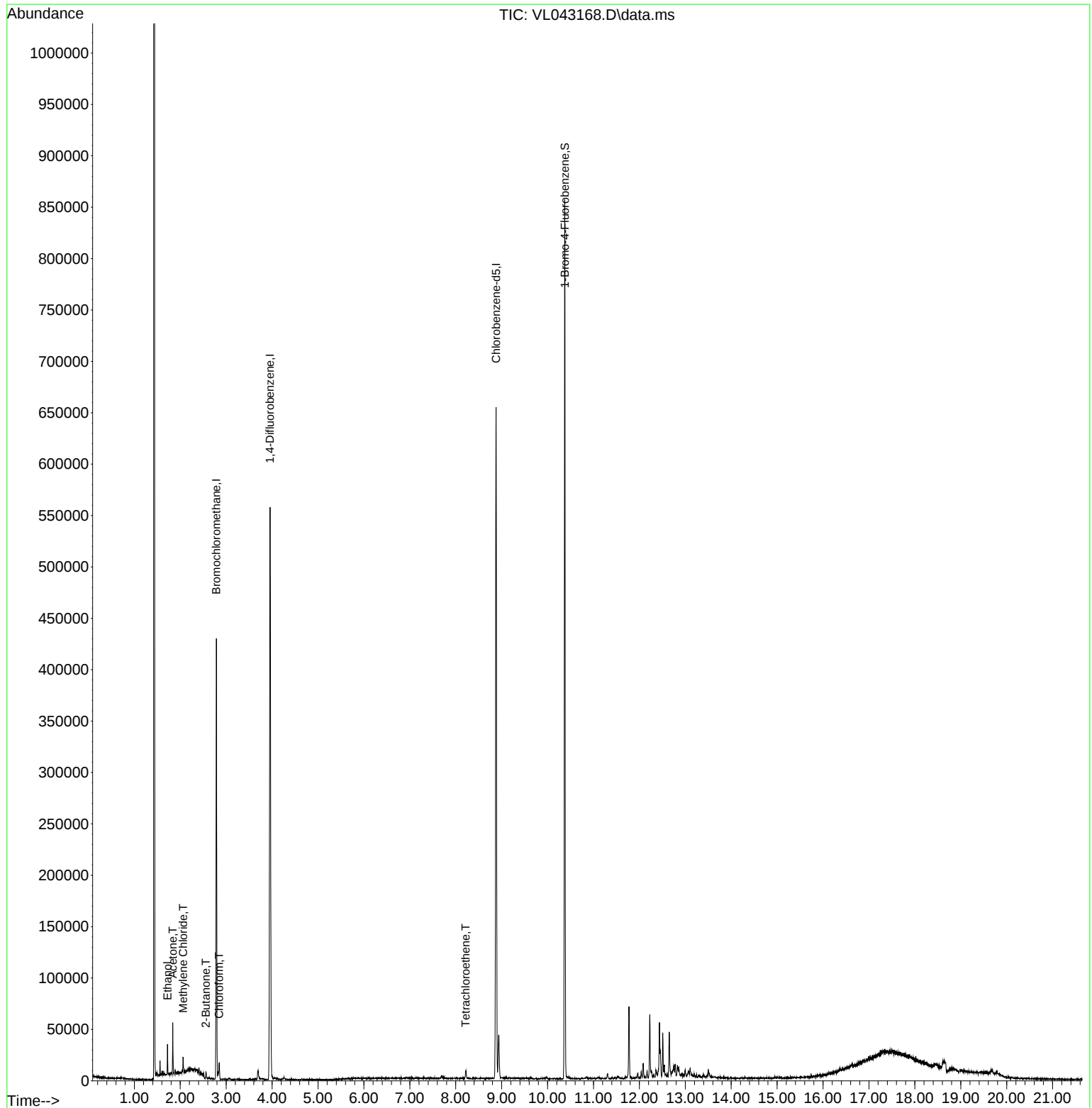
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
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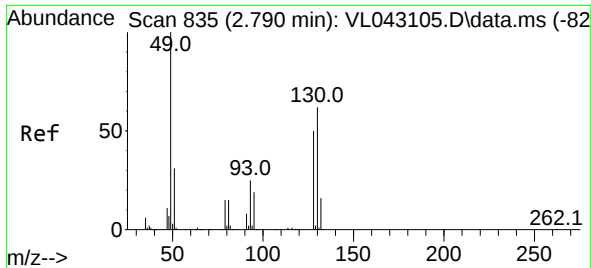
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1DL

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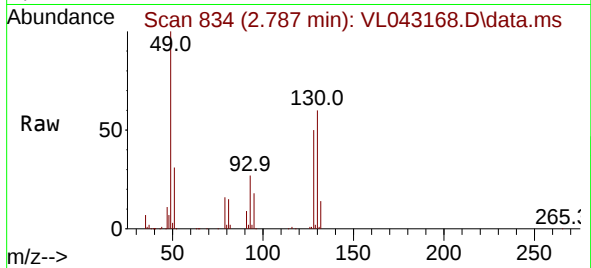
Reviewed By : Semsettin Yesilyurt 11/07/2025
Supervised By : Mahesh Dadoda 11/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

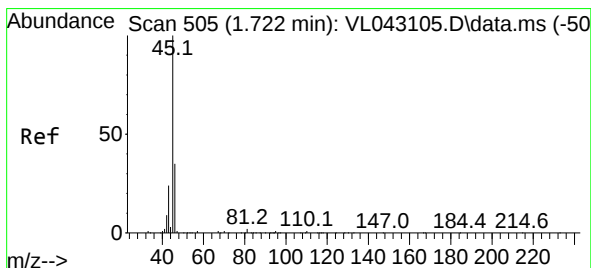
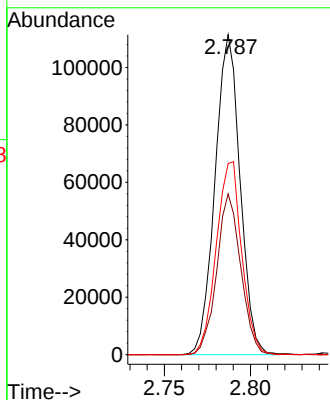
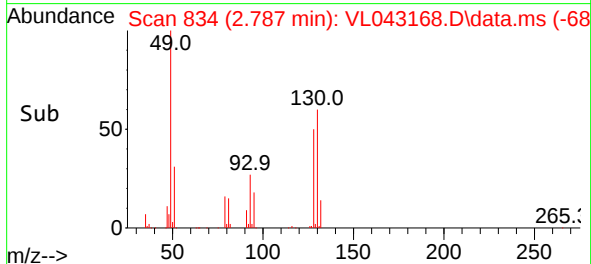
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1DL



Tgt Ion: 49 Resp: 112949
Ion Ratio Lower Upper
49 100
128 48.2 24.4 73.4
130 61.4 31.0 93.0

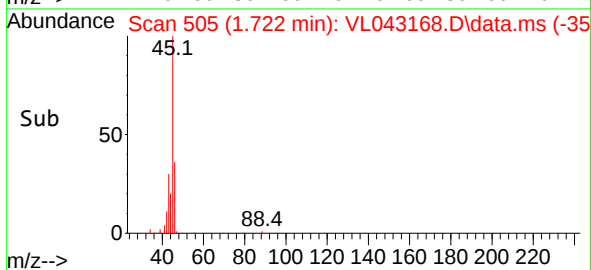
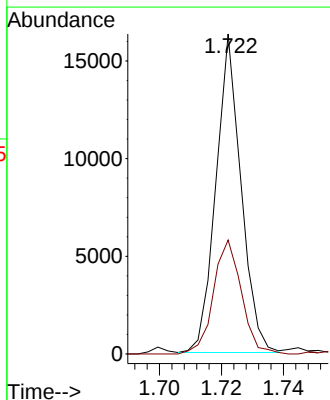
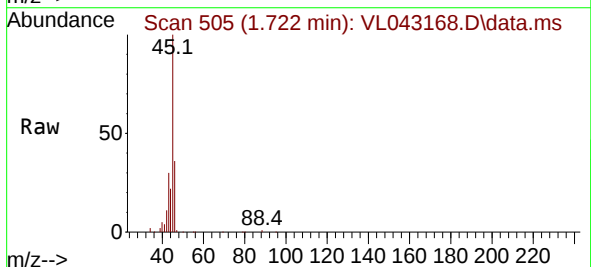
Manual Integrations
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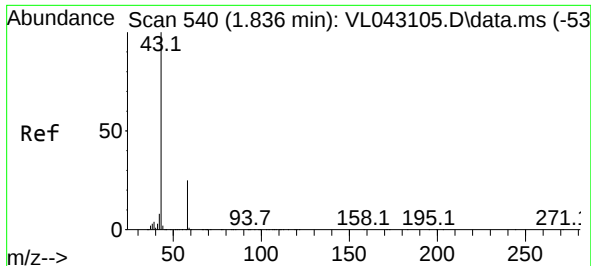
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#13
Ethanol
Concen: 3.228 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

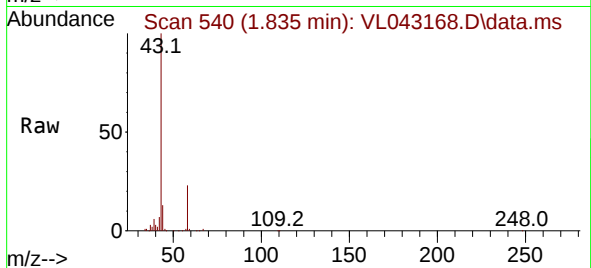
Tgt Ion: 45 Resp: 9199
Ion Ratio Lower Upper
45 100
46 39.7 14.7 58.9





#15
Acetone
Concen: 1.360 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

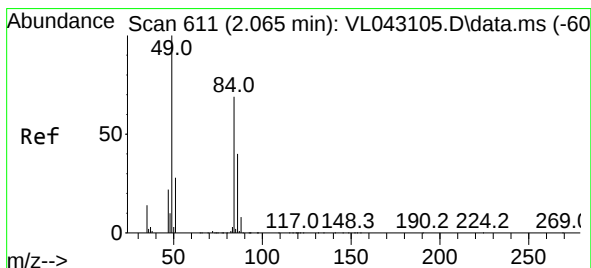
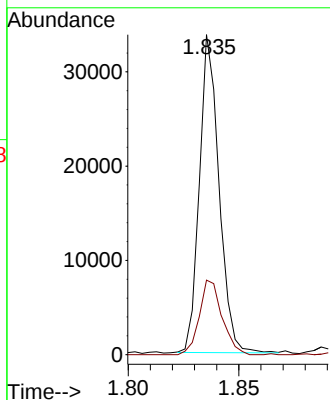
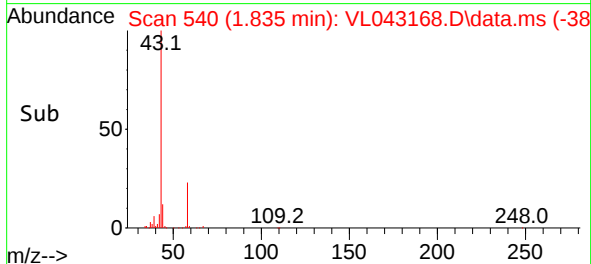
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1DL



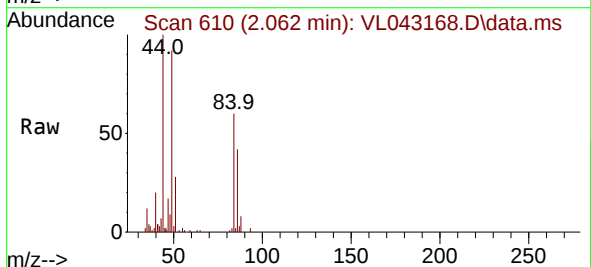
Tgt Ion: 43 Resp: 20709
Ion Ratio Lower Upper
43 100
58 27.2 20.8 31.2

Manual Integrations
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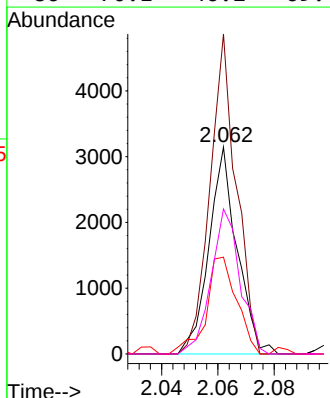
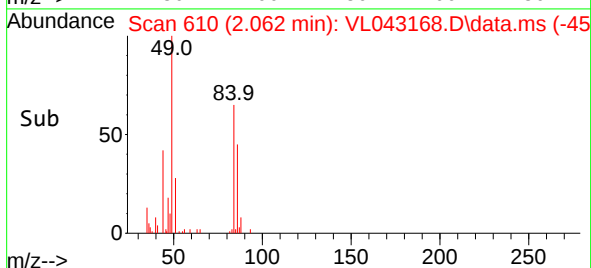
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

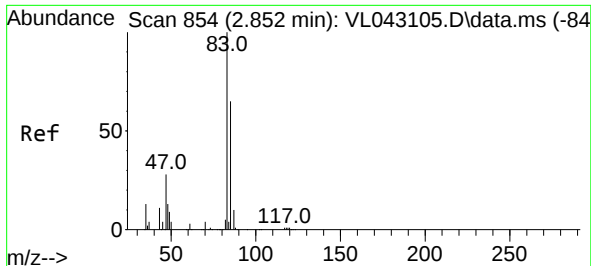


#20
Methylene Chloride
Concen: 0.364 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27



Tgt Ion: 84 Resp: 2190
Ion Ratio Lower Upper
84 100
49 154.7 116.6 175.0
51 43.6 34.8 52.2
86 70.1 46.2 69.4





#29

Chloroform

Concen: 0.270 ppbv

RT: 2.848 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043168.D

Acq: 06 Nov 2025 15:27

Instrument :

MSVOA_L

ClientSampleId :

131-SG-1DL

Tgt Ion: 83 Resp: 679

Ion Ratio Lower Upper

83 100

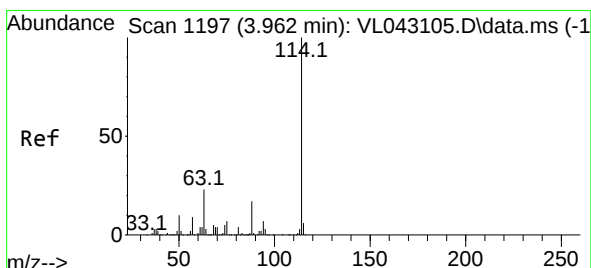
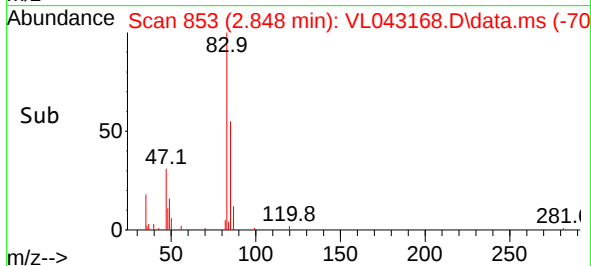
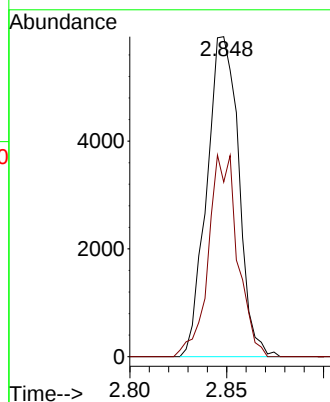
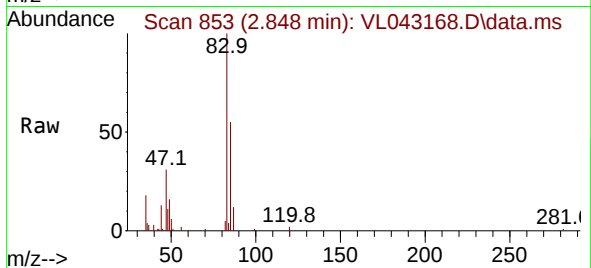
85 54.6 51.8 77.6

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.007 min

Lab File: VL043168.D

Acq: 06 Nov 2025 15:27

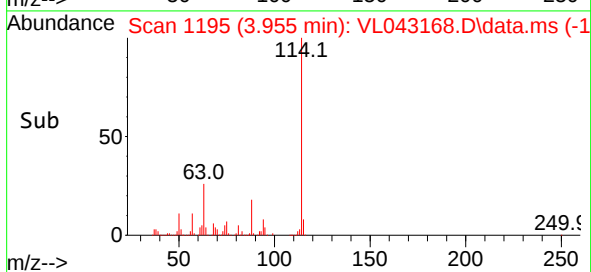
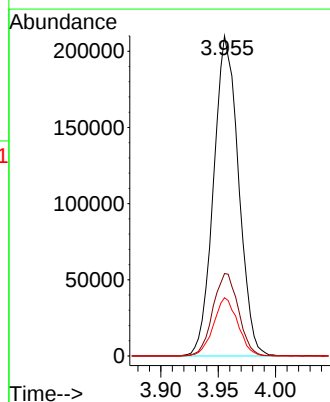
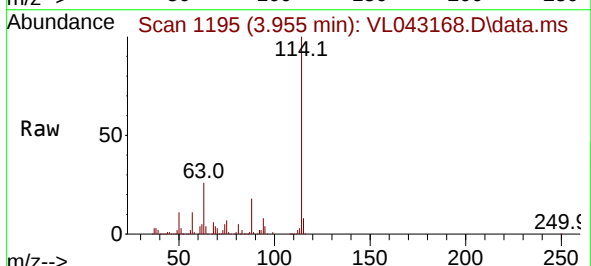
Tgt Ion:114 Resp: 318311

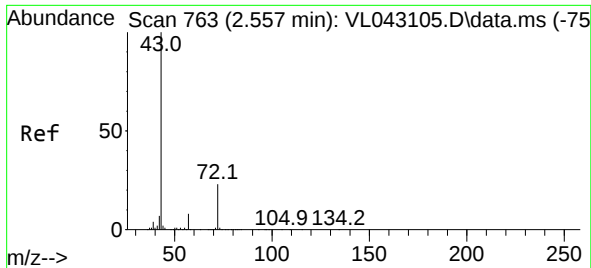
Ion Ratio Lower Upper

114 100

63 26.3 19.3 28.9

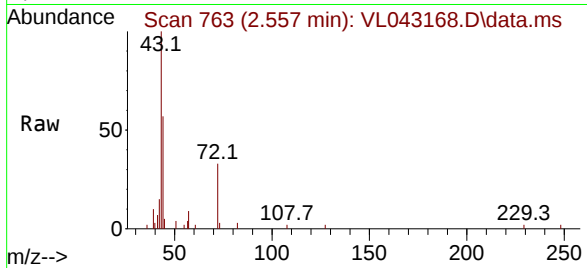
88 17.7 13.9 20.9





#34
2-Butanone
Concen: 0.172 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

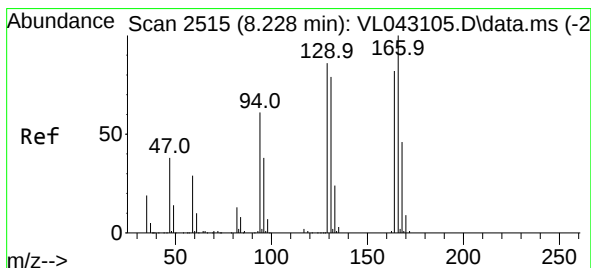
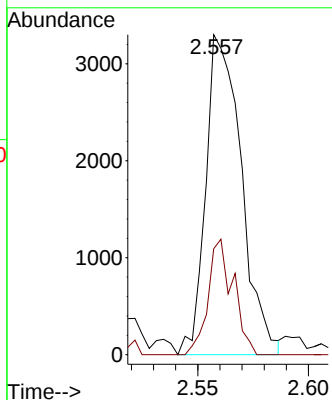
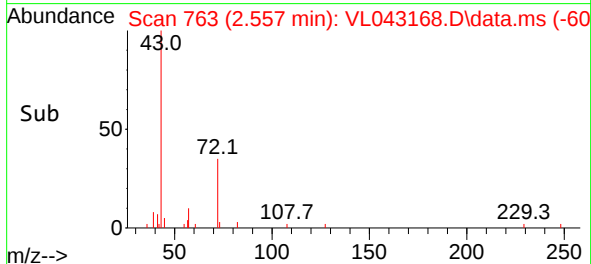
Instrument :
MSVOA_L
ClientSampleId :
131-SG-1DL



Tgt Ion: 43 Resp: 3680
Ion Ratio Lower Upper
43 100
72 25.6 18.4 27.6

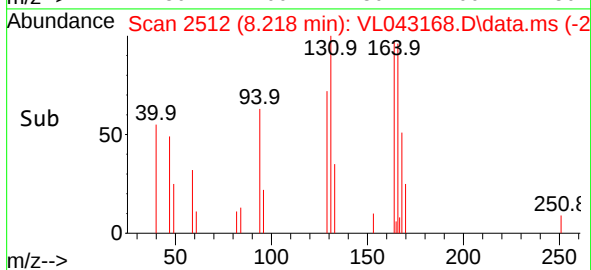
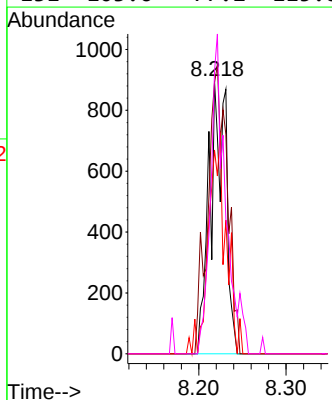
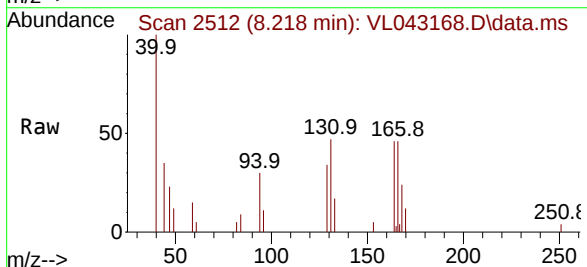
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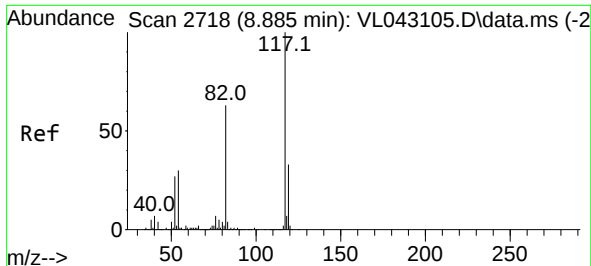
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#52
Tetrachloroethene
Concen: 0.108 ppbv m
RT: 8.218 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

Tgt Ion:164 Resp: 1171
Ion Ratio Lower Upper
164 100
166 99.3 97.6 146.4
129 74.7 84.5 126.7#
131 103.6 77.2 115.8





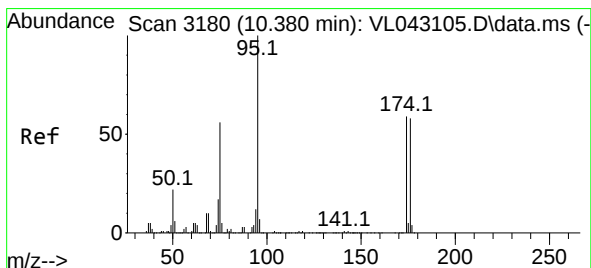
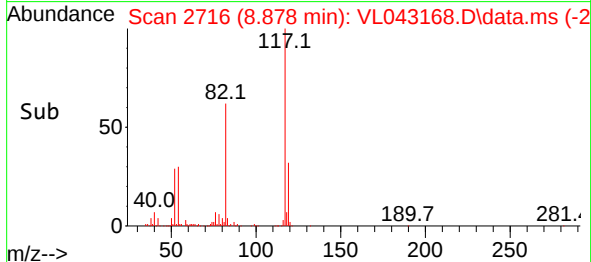
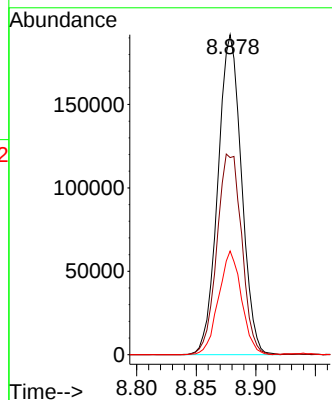
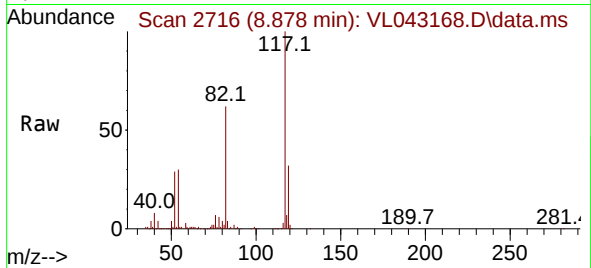
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2718
Delta R.T. -0.007 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

Instrument :
MSVOA_L
ClientSampleId :
131-SG-1DL

Tgt Ion:117 Resp: 26437
Ion Ratio Lower Upper
117 100
82 65.9 53.8 80.8
119 31.5 25.4 38.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.996 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.007 min
Lab File: VL043168.D
Acq: 06 Nov 2025 15:27

Tgt Ion: 95 Resp: 205406
Ion Ratio Lower Upper
95 100
174 63.7 48.3 72.5
175 4.7 3.8 5.8

