

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042913.D
 Acq On : 08 Sep 2025 21:08
 Operator : SY/MD
 Sample : Q3052-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 09 01:00:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Tue Sep 09 00:52:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	132040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	322758	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.878	117	271668	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	195379	9.589	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.496	85	668	0.035	ppbv	90
3) Chlorodifluoromethane	1.473	51	2494m	0.117	ppbv	
4) Chloromethane	1.531	50	2086	0.267	ppbv	92
9) Propene	1.483	41	3238m	0.351	ppbv	
13) Ethanol	1.719	45	330005	390.702	ppbv	90
15) Acetone	1.835	43	15233	0.872	ppbv	94
19) Isopropyl Alcohol	1.884	45	41906	4.017	ppbv #	38
20) Methylene Chloride	2.062	84	2308	0.315	ppbv #	78
25) Ethyl Acetate	2.836	43	4625	0.109	ppbv #	95
52) Tetrachloroethene	8.221	164	57004	5.098	ppbv	95

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

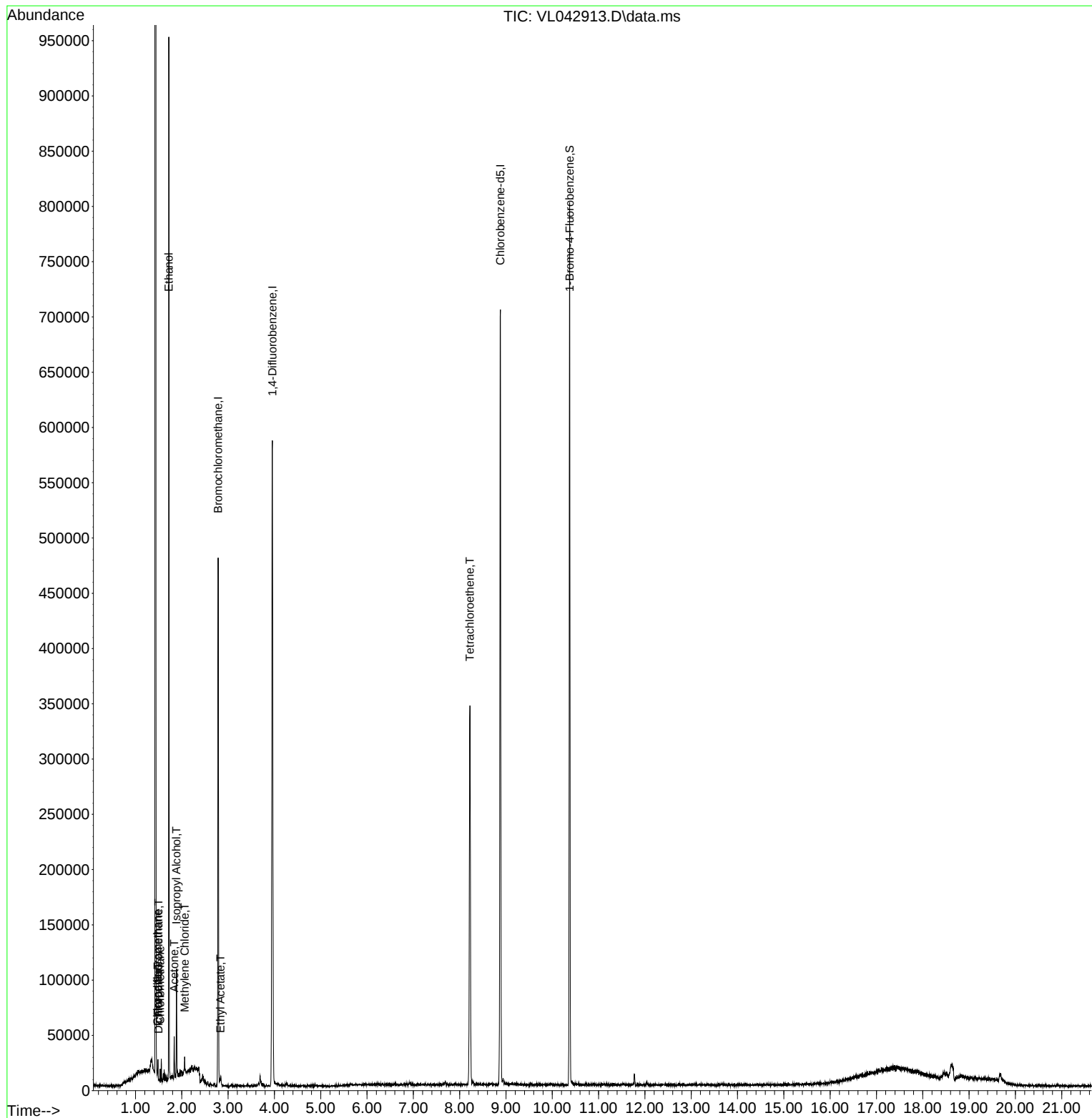
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042913.D
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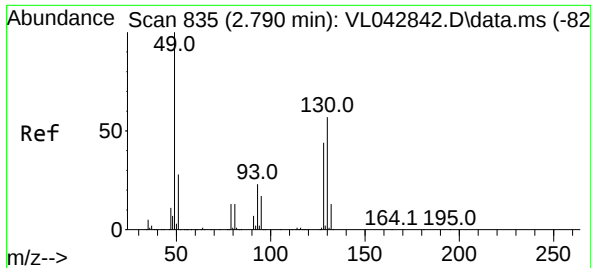
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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Quant Time: Sep 09 01:00:10 2025
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 09 00:52:26 2025
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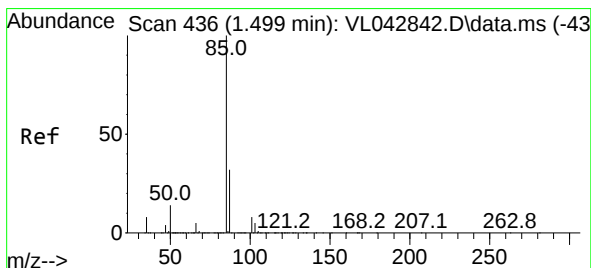
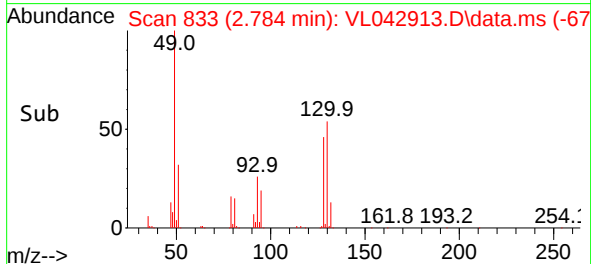
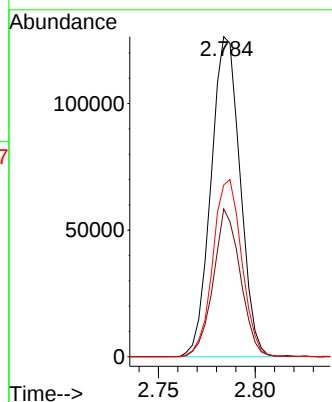
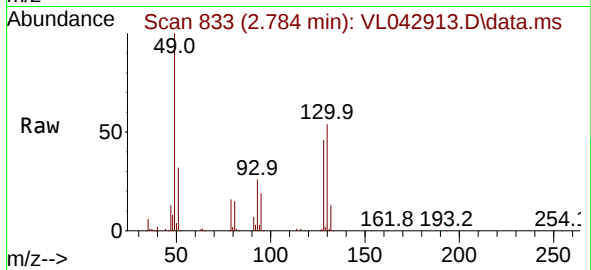
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 49 Resp: 132040
Ion Ratio Lower Upper
49 100
128 43.0 23.7 71.1
130 55.1 30.6 91.6

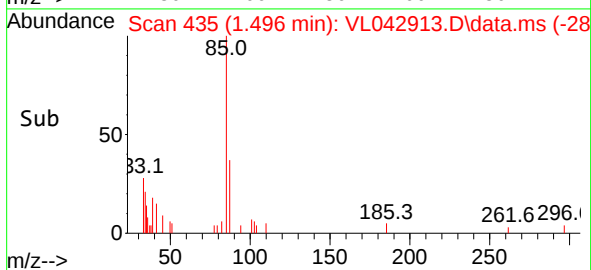
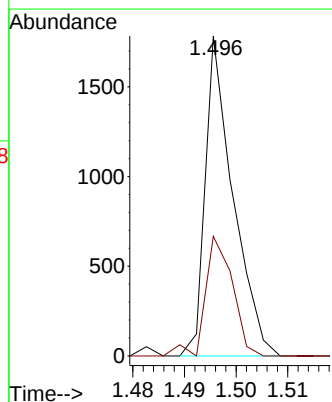
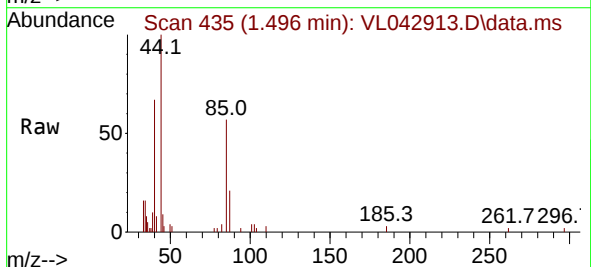
Manual Integrations
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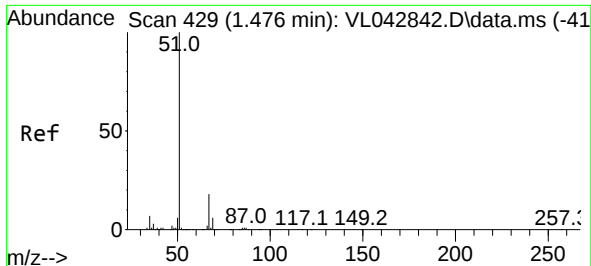
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.003 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

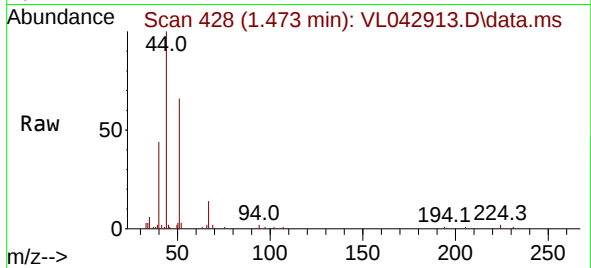
Tgt Ion: 85 Resp: 668
Ion Ratio Lower Upper
85 100
87 37.4 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.117 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

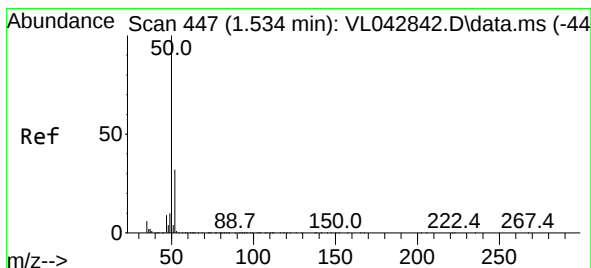
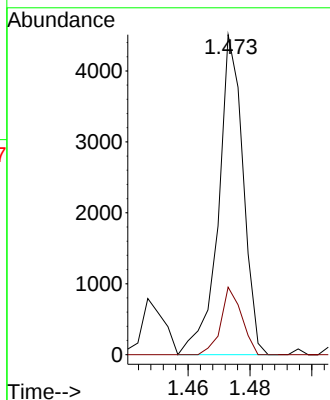
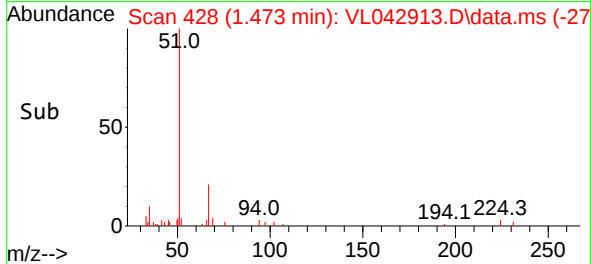
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



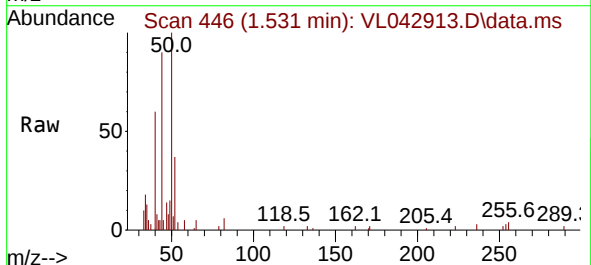
Tgt Ion: 51 Resp: 2494
Ion Ratio Lower Upper
51 100
67 1.3 14.9 22.3

Manual Integrations
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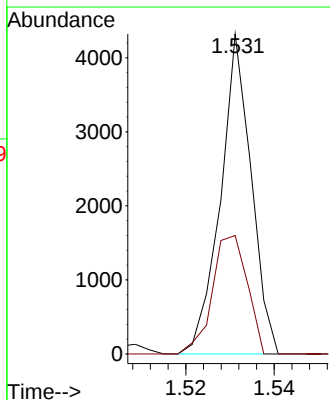
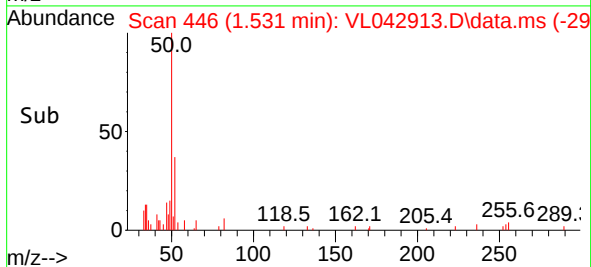
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

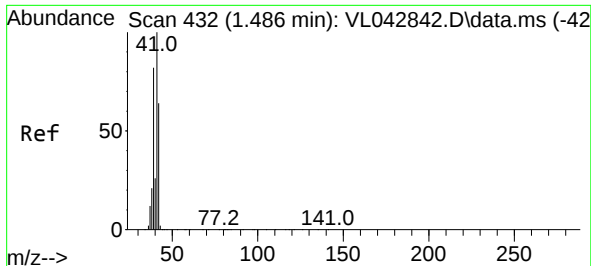


#4
Chloromethane
Concen: 0.267 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08



Tgt Ion: 50 Resp: 2086
Ion Ratio Lower Upper
50 100
52 37.0 25.9 38.9





#9

Propene

Concen: 0.351 ppbv m

RT: 1.483 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042913.D

Acq: 08 Sep 2025 21:08

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 41 Resp: 3238

Ion Ratio Lower Upper

41 100

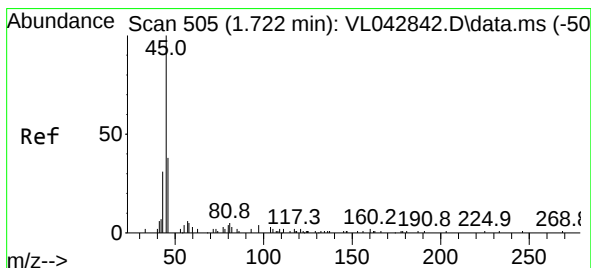
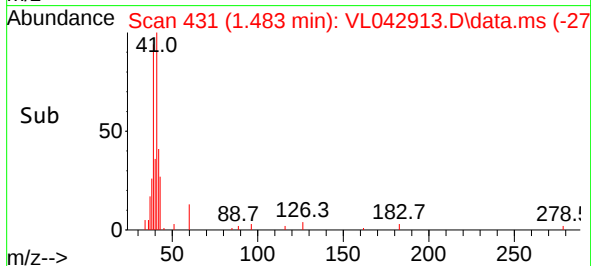
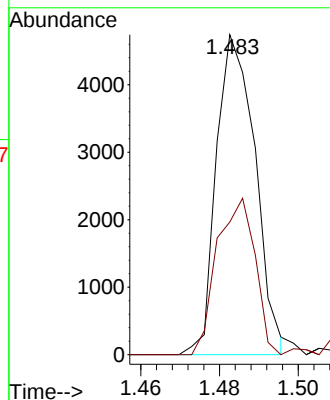
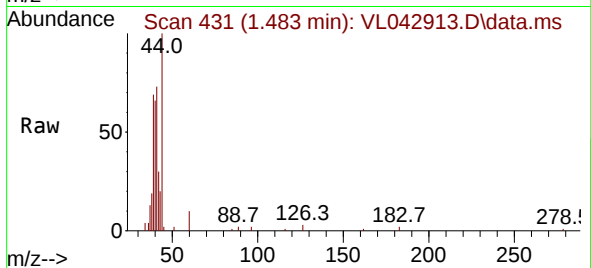
42 99.3 53.0 79.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/09/2025

Supervised By :Mahesh Dadoda 09/11/2025



#13

Ethanol

Concen: 390.702 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.003 min

Lab File: VL042913.D

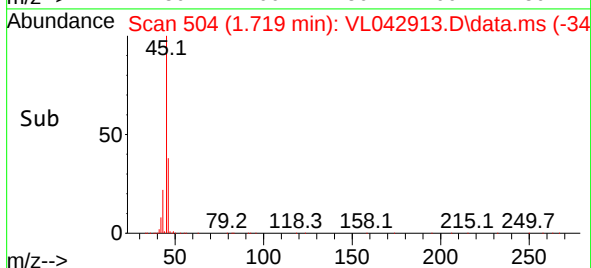
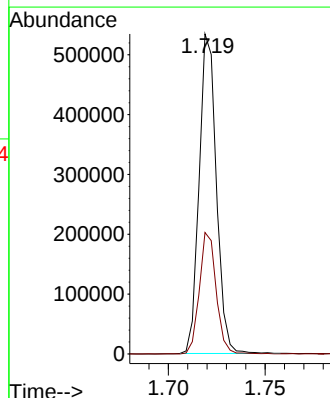
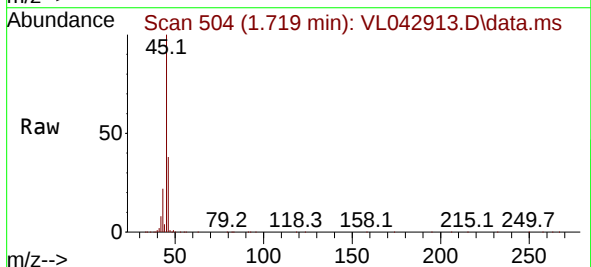
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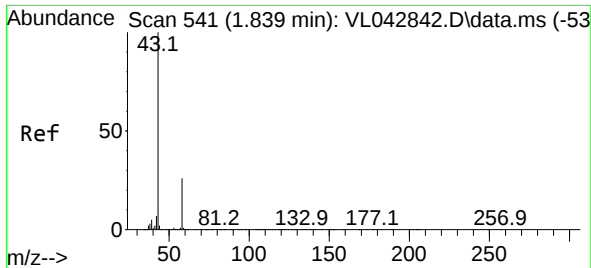
Tgt Ion: 45 Resp: 330005

Ion Ratio Lower Upper

45 100

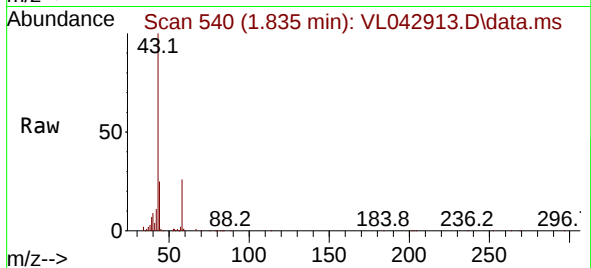
46 37.5 17.5 69.9





#15
Acetone
Concen: 0.872 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

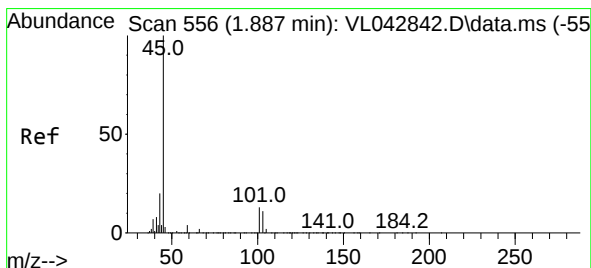
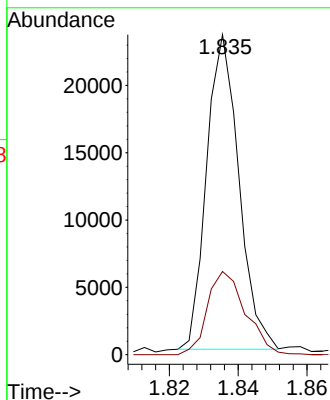
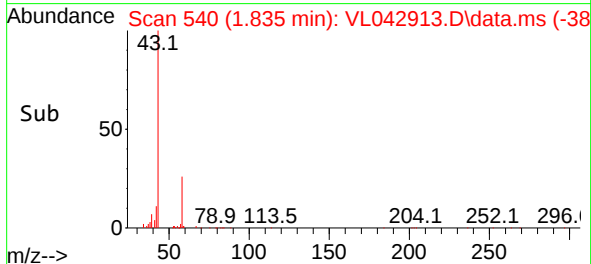
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 43 Resp: 1523
Ion Ratio Lower Upper
43 100
58 31.3 22.4 33.6

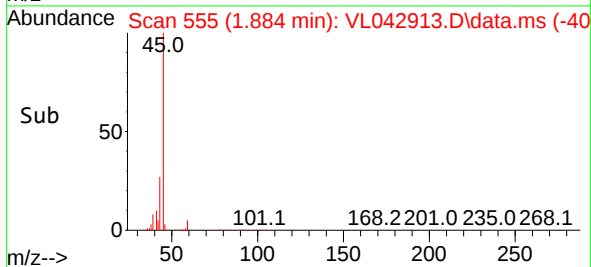
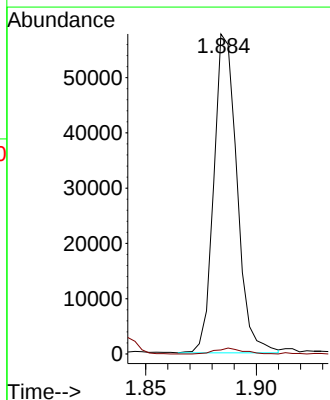
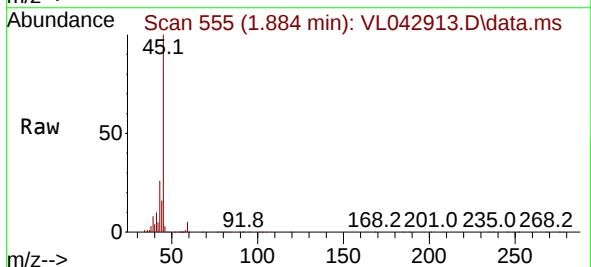
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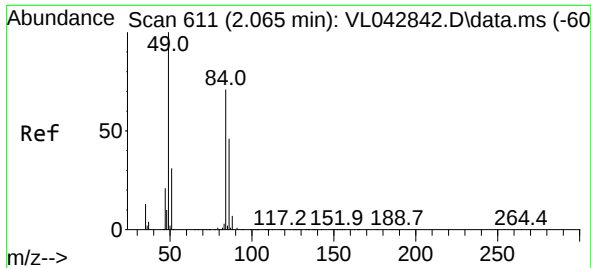
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#19
Isopropyl Alcohol
Concen: 4.017 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

Tgt Ion: 45 Resp: 41906
Ion Ratio Lower Upper
45 100
58 2.4 32.7 49.1#





#20

Methylene Chloride

Concen: 0.315 ppbv

RT: 2.062 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042913.D

Acq: 08 Sep 2025 21:08

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 84 Resp: 2308

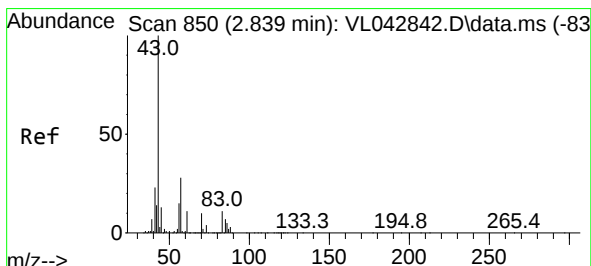
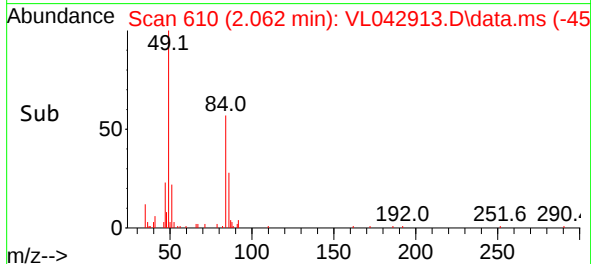
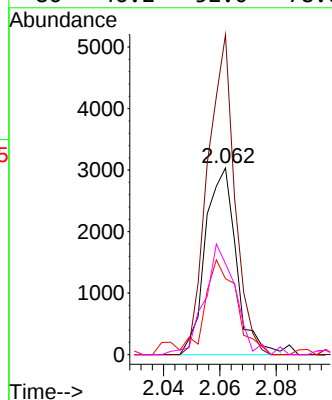
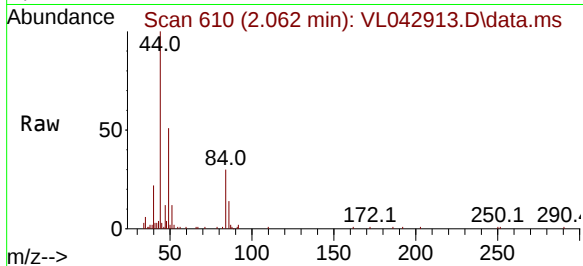
Ion	Ratio	Lower	Upper
84	100		
49	171.4	112.3	168.5
51	40.7	36.0	54.0
86	46.2	52.0	78.0

Manual Integrations

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Supervised By :Mahesh Dadoda 09/11/2025



#25

Ethyl Acetate

Concen: 0.109 ppbv

RT: 2.836 min Scan# 849

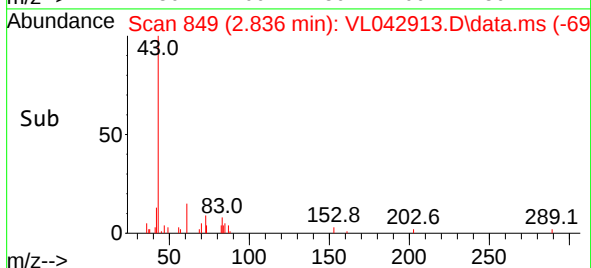
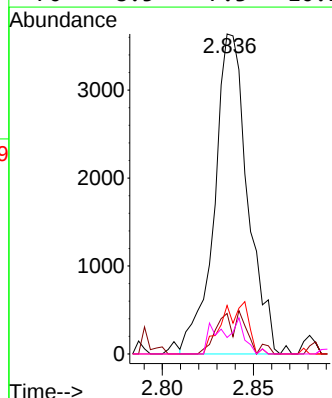
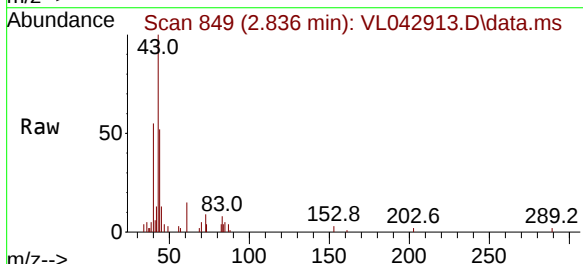
Delta R.T. 0.010 min

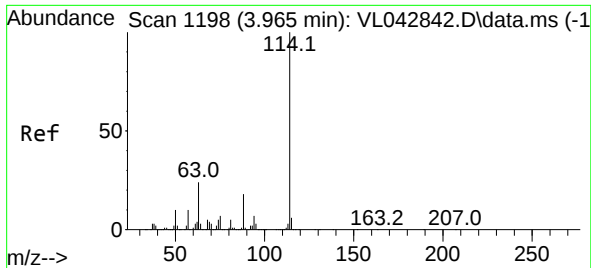
Lab File: VL042913.D

Acq: 08 Sep 2025 21:08

Tgt Ion: 43 Resp: 4625

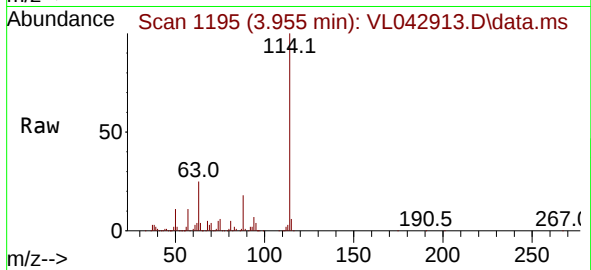
Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	13.0	7.4	11.2
70	8.5	7.3	10.9





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

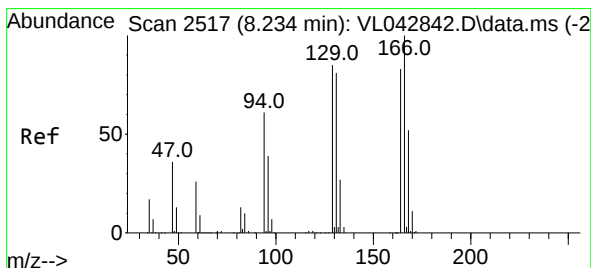
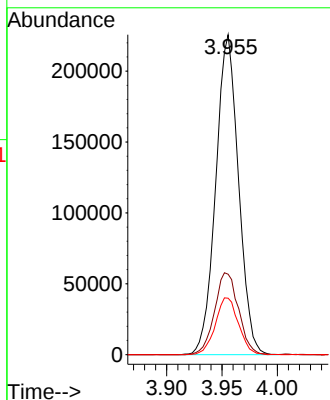
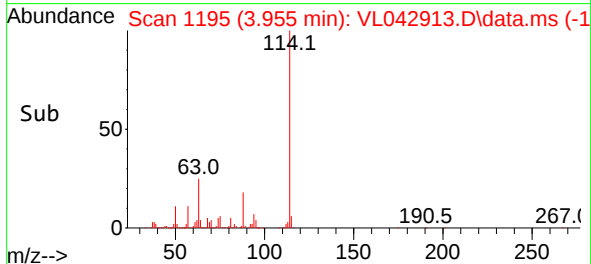
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion:114 Resp: 322758
Ion Ratio Lower Upper
114 100
63 26.9 19.7 29.5
88 18.1 14.4 21.6

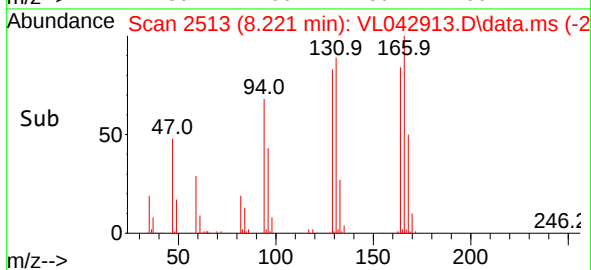
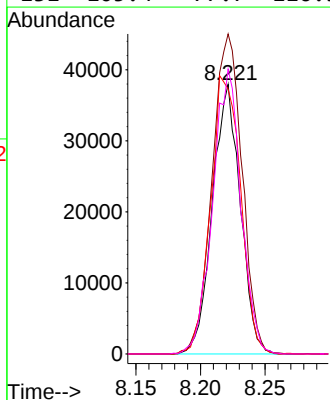
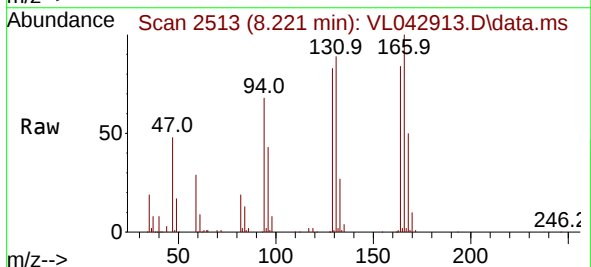
Manual Integrations
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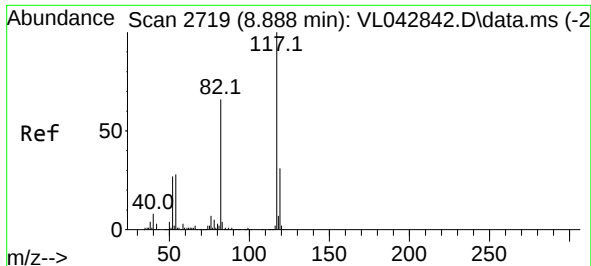
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#52
Tetrachloroethene
Concen: 5.098 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

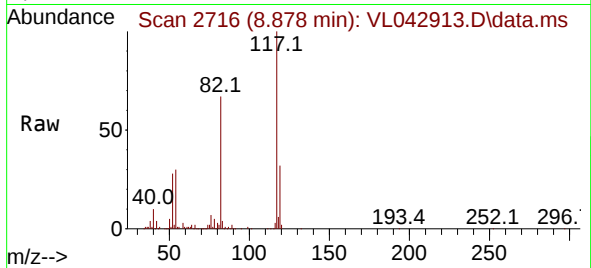
Tgt Ion:164 Resp: 57004
Ion Ratio Lower Upper
164 100
166 118.3 96.5 144.7
129 98.3 81.8 122.6
131 105.4 77.7 116.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.010 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08

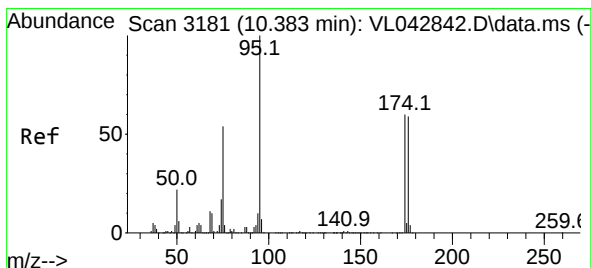
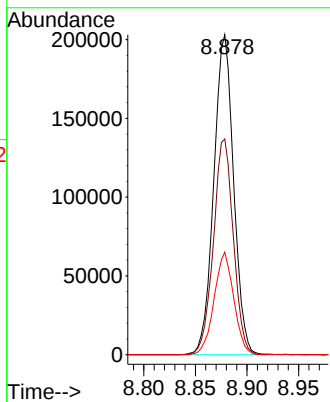
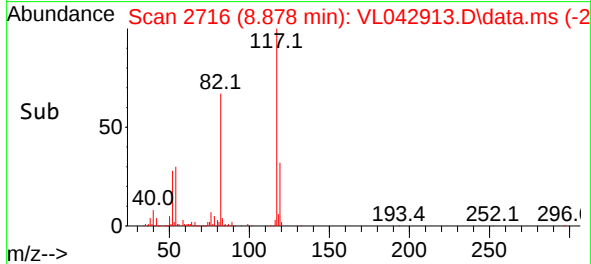
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



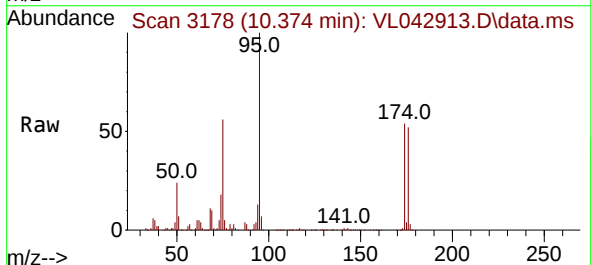
Tgt Ion: 117 Resp: 271668
Ion Ratio Lower Upper
117 100
82 67.6 54.6 81.8
119 31.7 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.589 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.010 min
Lab File: VL042913.D
Acq: 08 Sep 2025 21:08



Tgt Ion: 95 Resp: 195379
Ion Ratio Lower Upper
95 100
174 55.1 48.4 72.6
175 3.8 3.8 5.8

