

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042977.D
 Acq On : 23 Sep 2025 02:57
 Operator : SY/MD
 Sample : Q3131-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-1A-2DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

Quant Time: Sep 24 01:14:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	144383	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	412784	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	358472	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	272808	10.195	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%
Target Compounds						
2) Dichlorodifluoromethane	1.499	85	8070	0.416	ppbv	Qvalue 100
9) Propene	1.489	41	5758	0.547	ppbv #	69
13) Ethanol	1.722	45	13003	12.730	ppbv	96
15) Acetone	1.839	43	37918m	2.016	ppbv	
19) Isopropyl Alcohol	1.887	45	3011m	0.266	ppbv	
26) Hexane	2.826	57	13368	0.617	ppbv #	42
34) 2-Butanone	2.560	43	4380	0.151	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	8107m	0.121	ppbv	
53) Toluene	6.936	91	8717m	0.190	ppbv	
59) m/p-Xylene	9.532	91	7454m	0.161	ppbv	

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

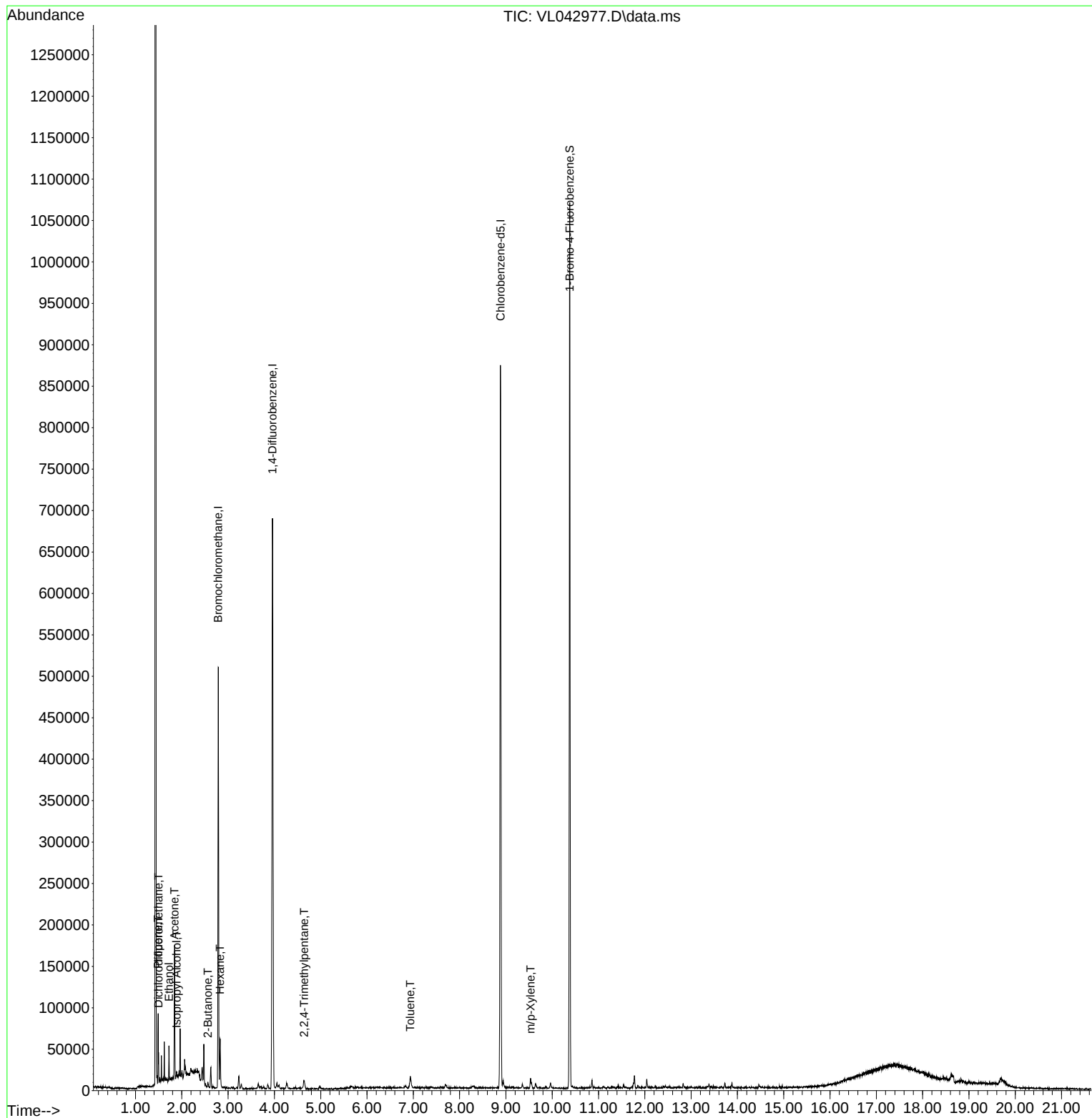
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042977.D
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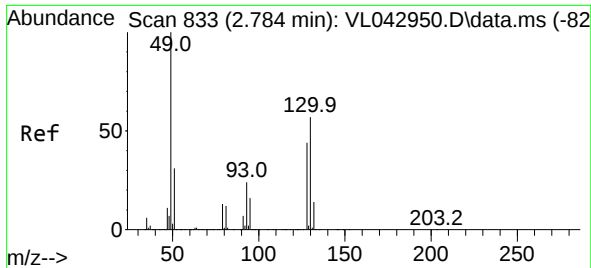
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL

Quant Time: Sep 24 01:14:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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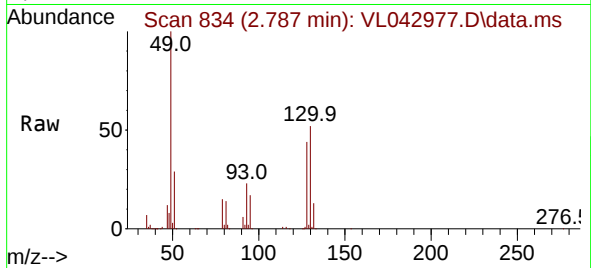
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

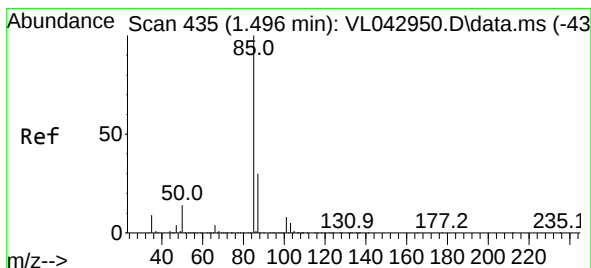
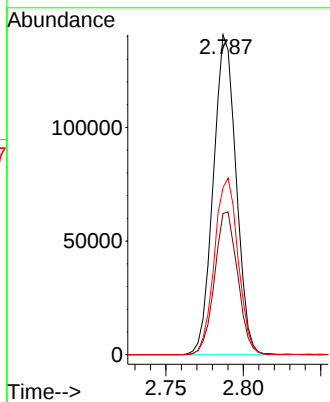
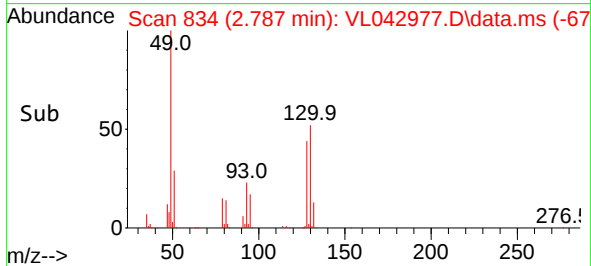
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL



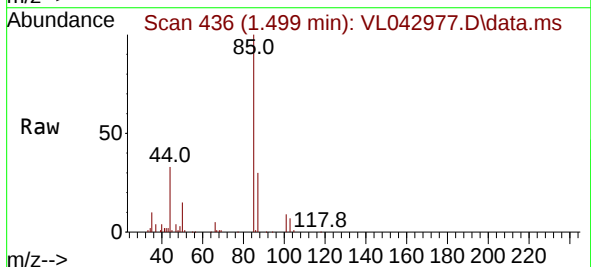
Tgt Ion: 49 Resp: 14438
Ion Ratio Lower Upper
49 100
128 45.3 22.9 68.8
130 57.3 29.1 87.3

Manual Integrations
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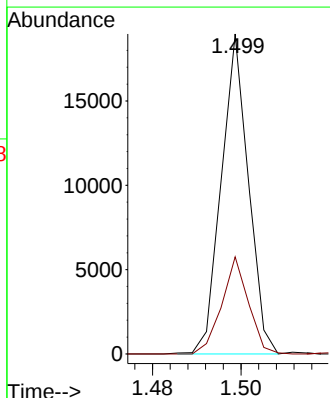
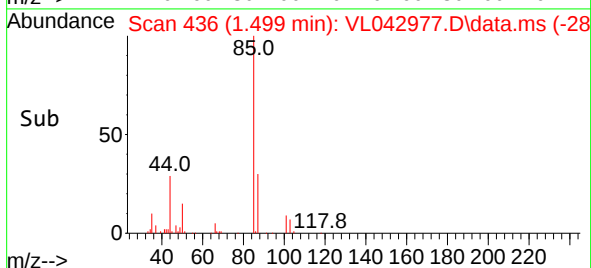
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

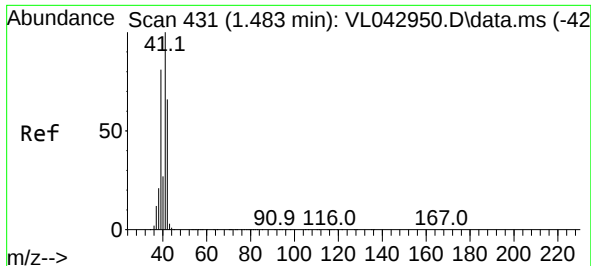


#2
Dichlorodifluoromethane
Concen: 0.416 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57



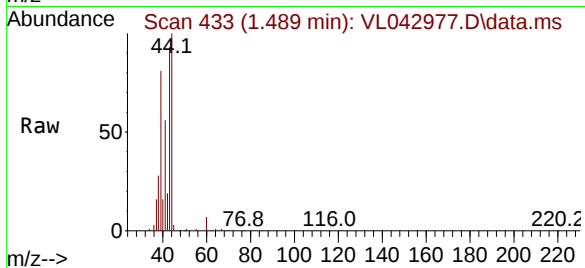
Tgt Ion: 85 Resp: 8070
Ion Ratio Lower Upper
85 100
87 30.3 24.3 36.5





#9
Propene
Concen: 0.547 ppbv
RT: 1.489 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

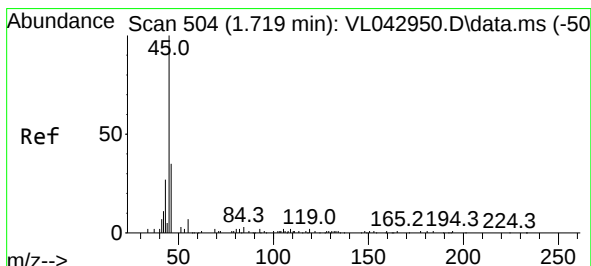
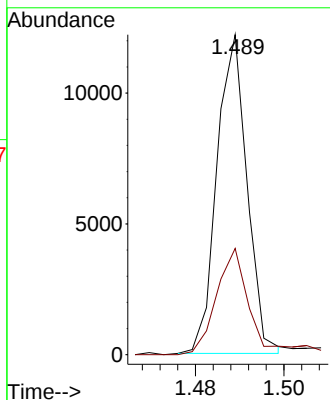
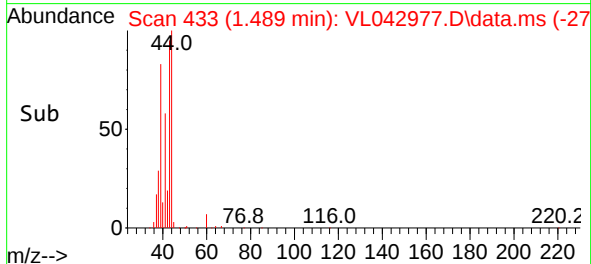
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL



Tgt Ion: 41 Resp: 5758
Ion Ratio Lower Upper
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42 45.7 57.4 86.2

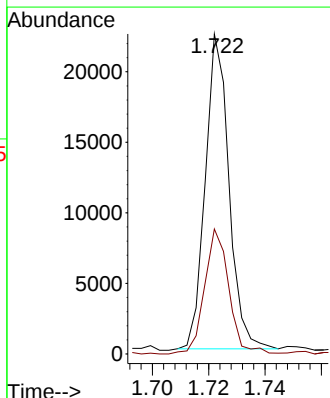
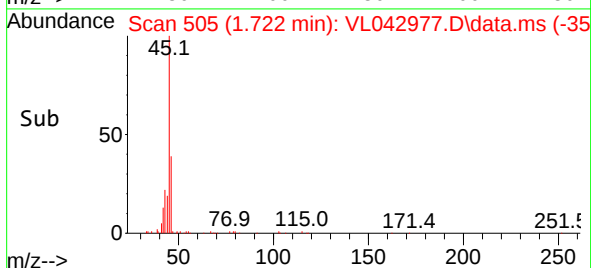
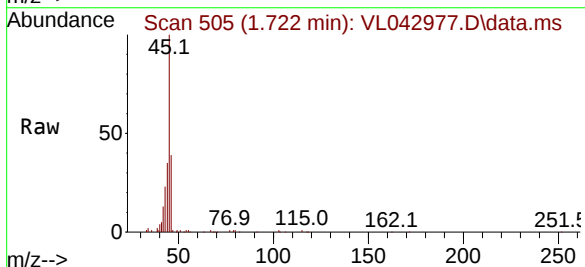
Manual Integrations
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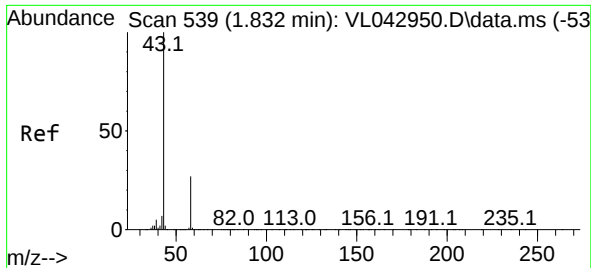
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#13
Ethanol
Concen: 12.730 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

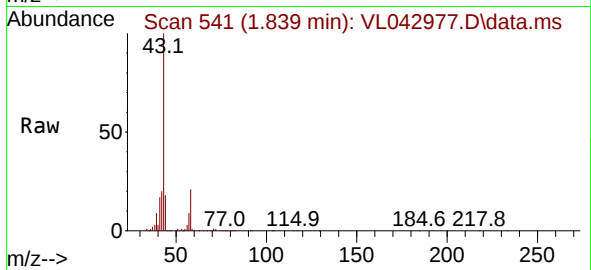
Tgt Ion: 45 Resp: 13003
Ion Ratio Lower Upper
45 100
46 43.2 16.2 64.6





#15
Acetone
Concen: 2.016 ppbv m
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

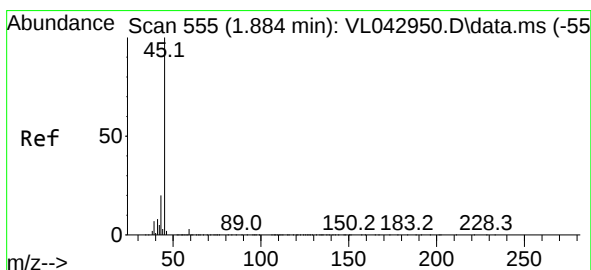
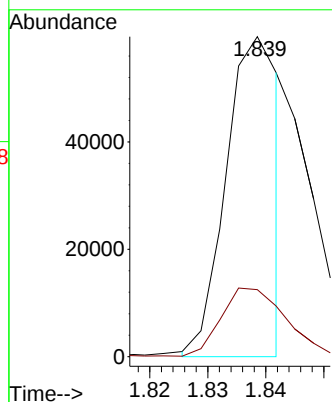
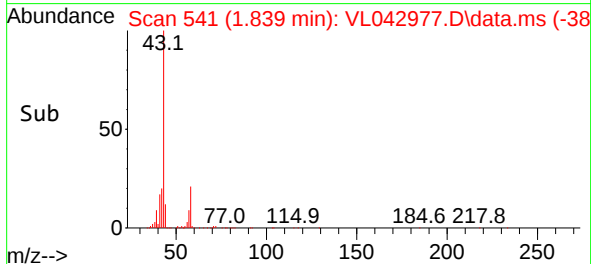
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL



Tgt Ion: 43 Resp: 37918
Ion Ratio Lower Upper
43 100
58 27.6 22.3 33.5

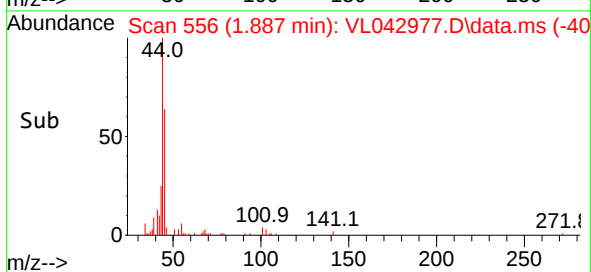
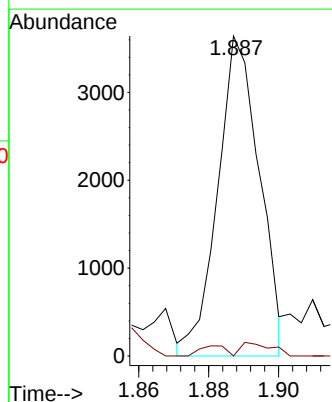
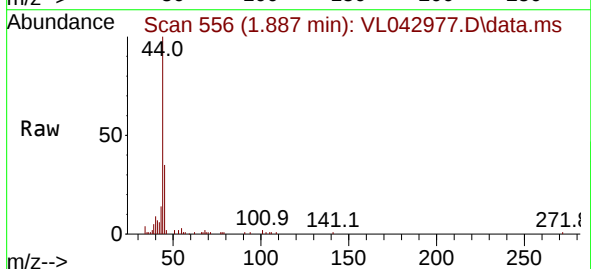
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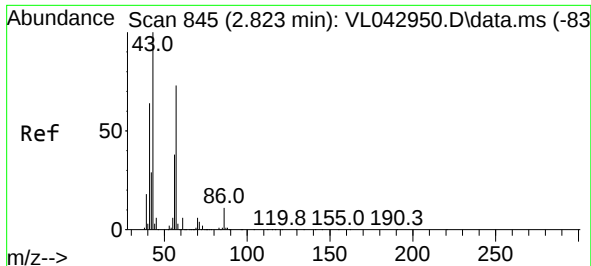
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#19
Isopropyl Alcohol
Concen: 0.266 ppbv m
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

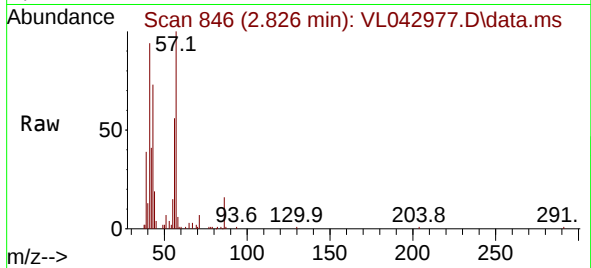
Tgt Ion: 45 Resp: 3011
Ion Ratio Lower Upper
45 100
58 51.8 31.0 46.6#





#26
Hexane
Concen: 0.617 ppbv
RT: 2.826 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

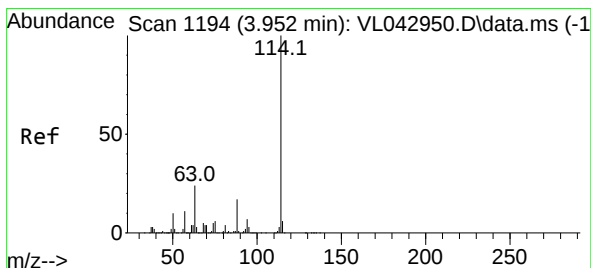
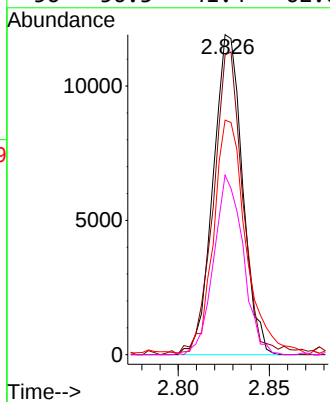
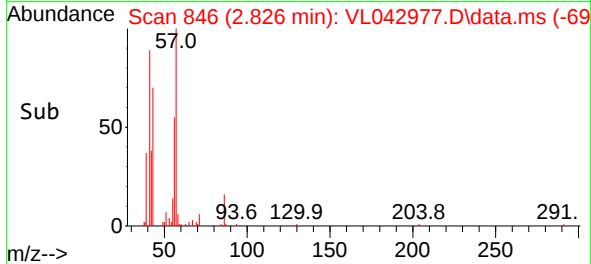
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL



Tgt Ion: 57 Resp: 1336
Ion Ratio Lower Upper
57 100
41 98.2 71.7 107.5
43 79.9 180.8 271.2
56 56.3 41.4 62.0

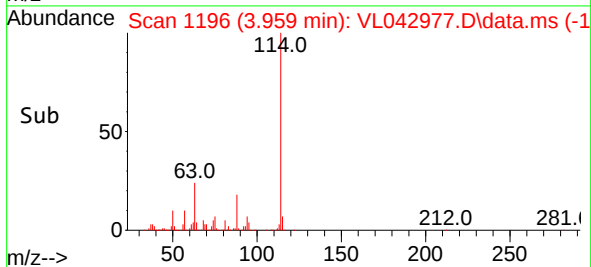
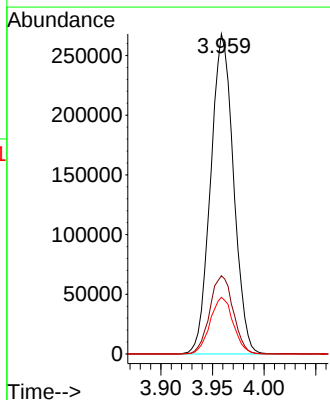
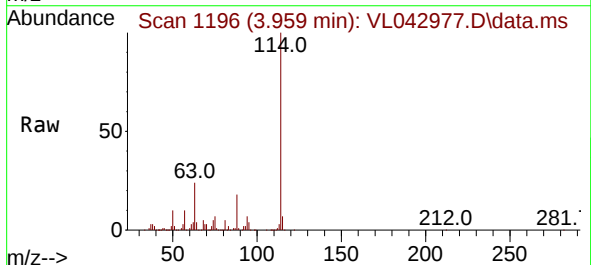
Manual Integrations
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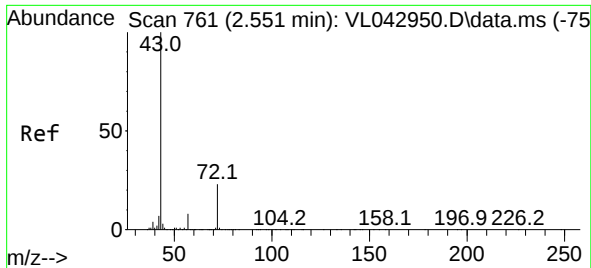
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.006 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

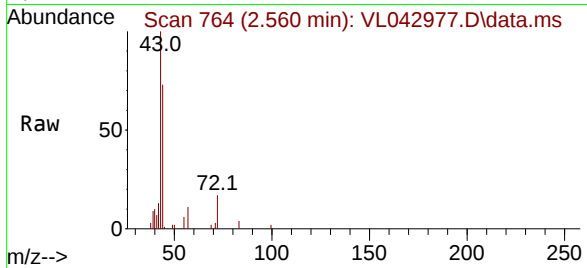
Tgt Ion:114 Resp: 412784
Ion Ratio Lower Upper
114 100
63 25.1 19.4 29.2
88 17.9 14.2 21.2





#34
2-Butanone
Concen: 0.151 ppbv
RT: 2.560 min Scan# 70
Delta R.T. 0.009 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

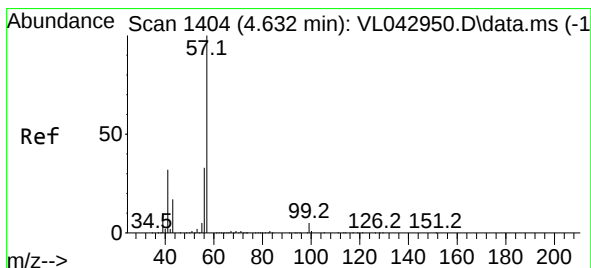
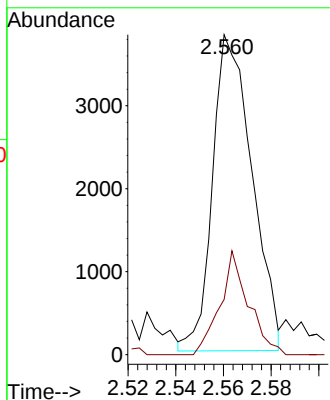
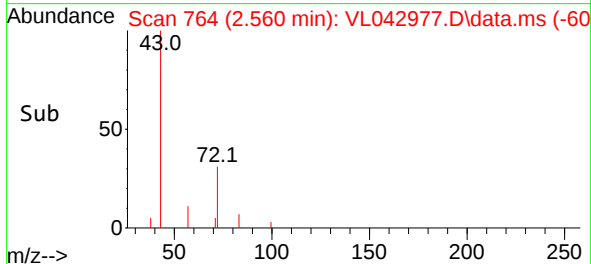
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141-1A-2DL



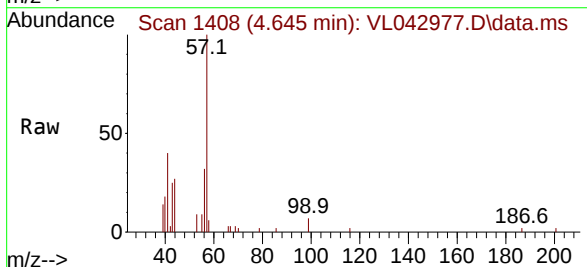
Tgt Ion: 43 Resp: 4380
Ion Ratio Lower Upper
43 100
72 23.7 17.7 26.5

Manual Integrations
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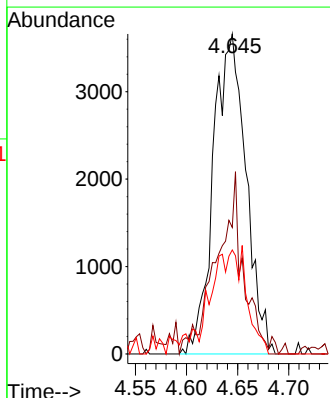
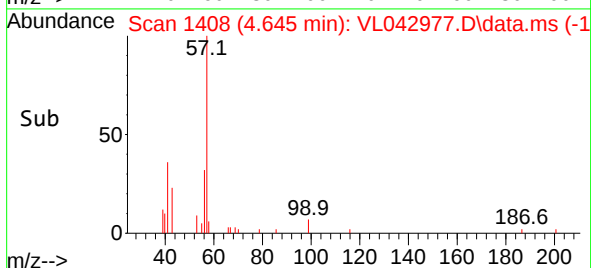
Reviewed By :Mahesh Dadoda 09/24/2025
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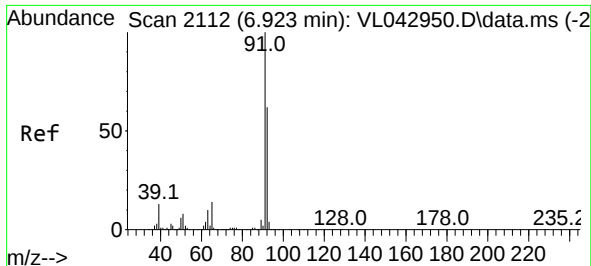


#44
2,2,4-Trimethylpentane
Concen: 0.121 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. 0.013 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57



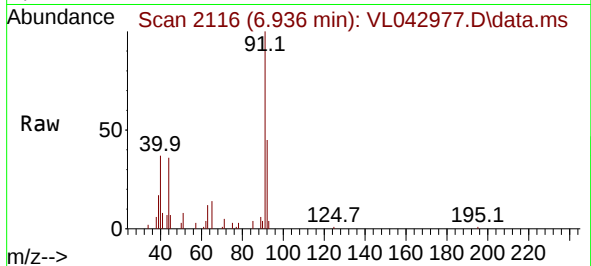
Tgt Ion: 57 Resp: 8107
Ion Ratio Lower Upper
57 100
41 0.0 25.5 38.3#
56 0.0 25.8 38.8#





#53
Toluene
Concen: 0.190 ppbv m
RT: 6.936 min Scan# 2112
Delta R.T. 0.013 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

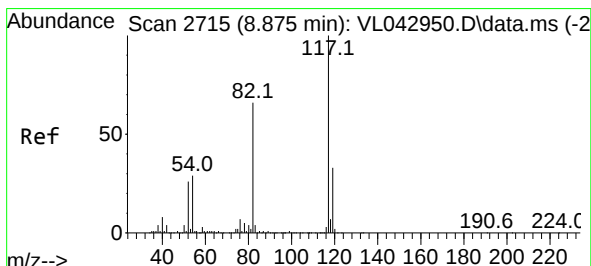
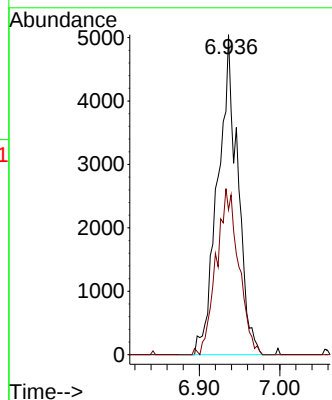
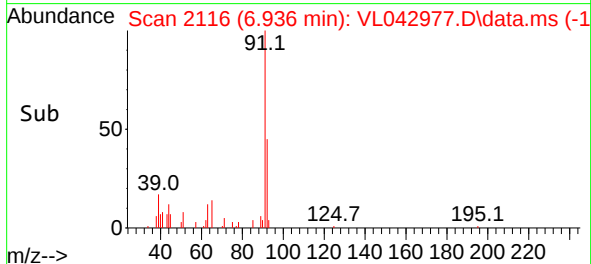
Instrument :
MSVOA_L
ClientSampleId :
141-1A-2DL



Tgt Ion: 91 Resp: 871
Ion Ratio Lower Upper
91 100
92 58.4 48.2 72.2

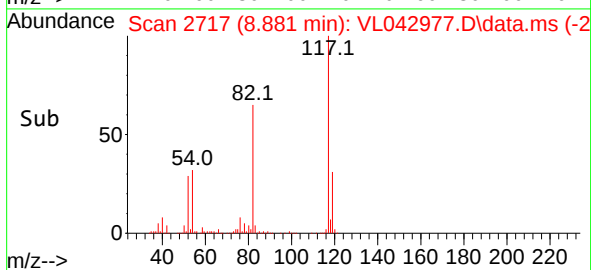
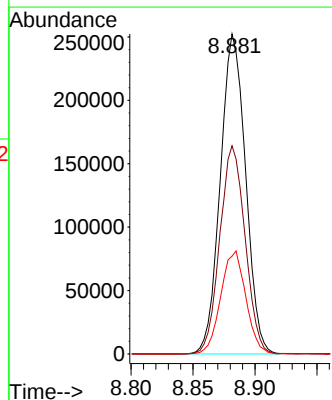
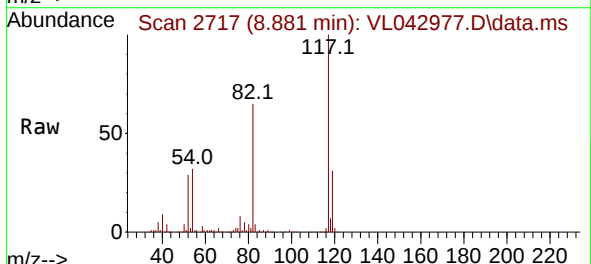
Manual Integrations
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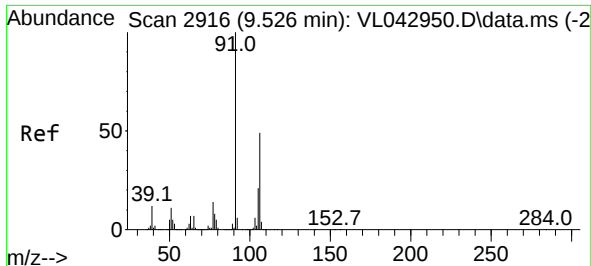
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.881 min Scan# 2717
Delta R.T. 0.006 min
Lab File: VL042977.D
Acq: 23 Sep 2025 02:57

Tgt Ion:117 Resp: 358472
Ion Ratio Lower Upper
117 100
82 65.2 52.8 79.2
119 32.0 26.5 39.7





#59

m/p-Xylene

Concen: 0.161 ppbv m

RT: 9.532 min Scan# 2916

Delta R.T. 0.006 min

Lab File: VL042977.D

Acq: 23 Sep 2025 02:57

Instrument :

MSVOA_L

ClientSampleId :

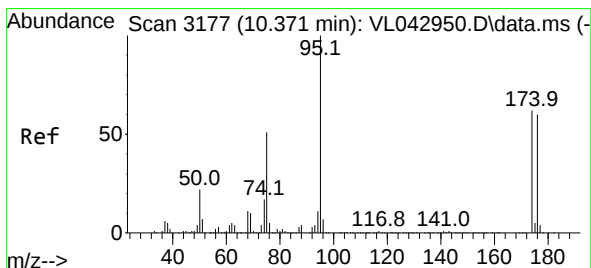
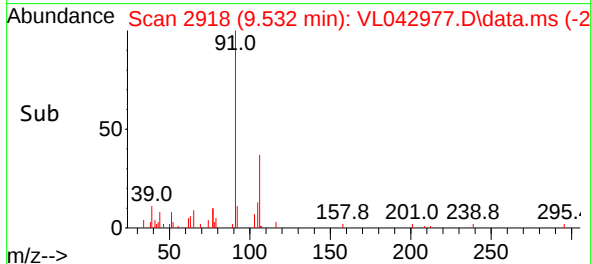
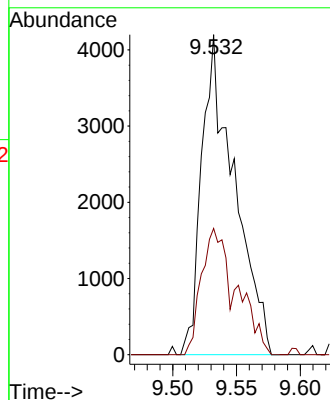
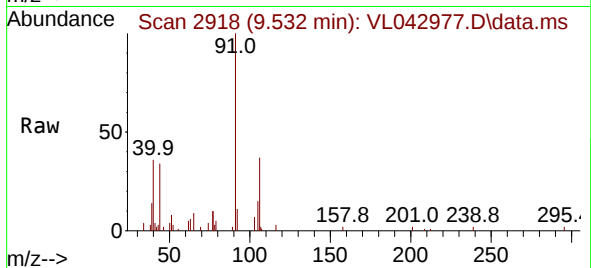
141-1A-2DL

Tgt Ion: 91 Resp: 7454
 Ion Ratio Lower Upper
 91 100
 106 42.3 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.195 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.006 min

Lab File: VL042977.D

Acq: 23 Sep 2025 02:57

Tgt Ion: 95 Resp: 272808
 Ion Ratio Lower Upper
 95 100
 174 61.4 51.4 77.2
 175 4.7 4.0 6.0

