

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042650.D
 Acq On : 19 Jun 2025 11:09
 Operator : SY/MD
 Sample : Q2359-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/23/2025
 Supervised By :Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:35:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.806	49	114585	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	292670	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.904	117	247226	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	187754	10.131	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						
4) Chloromethane	1.534	50	1963m	0.352	ppbv	Qvalue
10) Heptane	5.007	43	4115m	0.187	ppbv	
13) Ethanol	1.732	45	10418	11.192	ppbv #	39
15) Acetone	1.845	43	44863	3.250	ppbv	100
20) Methylene Chloride	2.078	84	2468	0.542	ppbv	93
26) Hexane	2.848	57	2062	0.120	ppbv #	91
31) cis-1,2-Dichloroethene	2.738	61	7959	0.507	ppbv	93
34) 2-Butanone	2.576	43	6066	0.291	ppbv	92
41) Tetrahydrofuran	3.078	42	15426	1.263	ppbv	98
59) m/p-Xylene	9.551	91	6460m	0.196	ppbv	

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

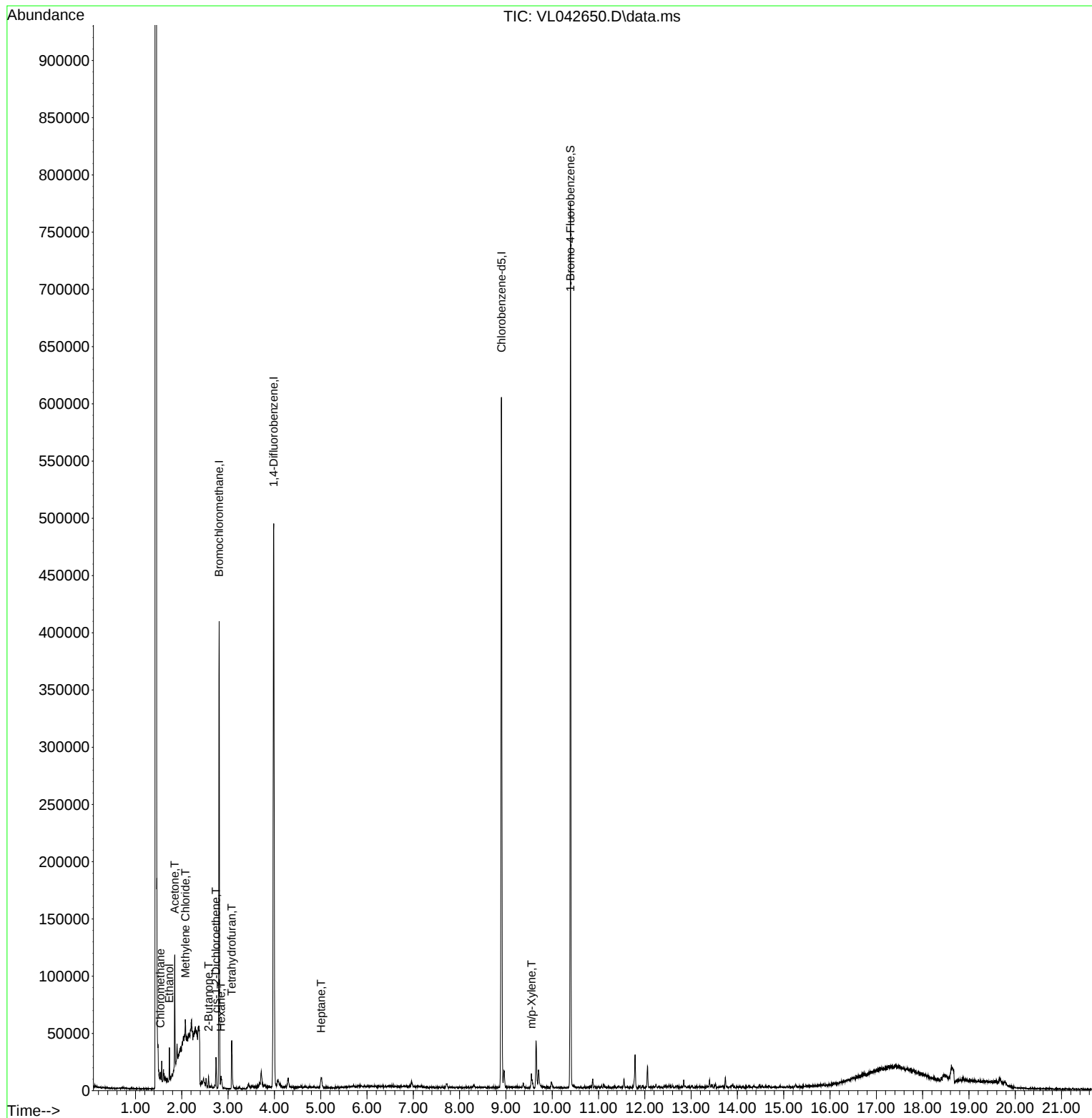
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042650.D
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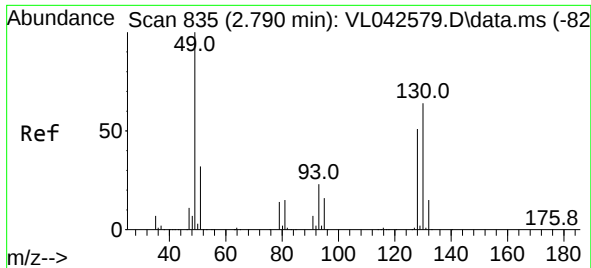
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 20 01:35:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
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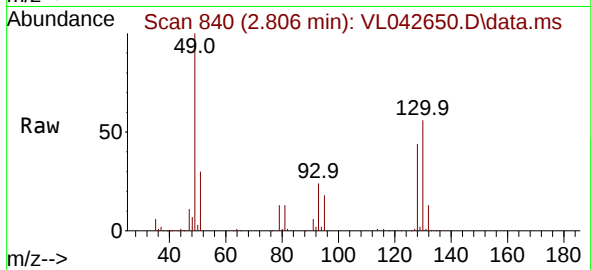
Reviewed By : Semsettin Yesilyurt 06/23/2025
Supervised By : Mahesh Dadoda 06/23/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 840
Delta R.T. 0.016 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

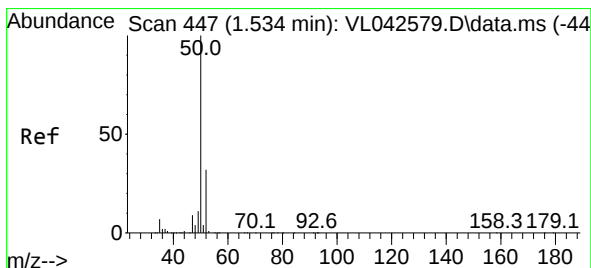
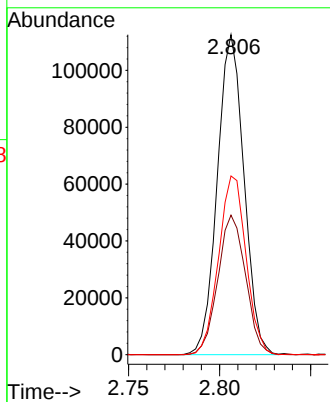
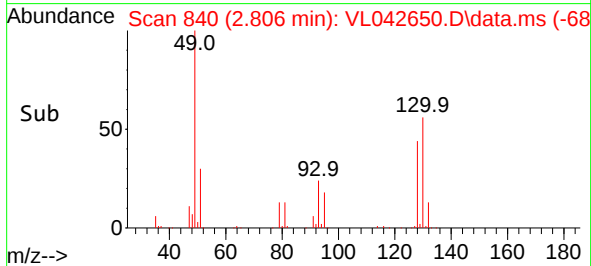
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



Tgt Ion: 49 Resp: 11458
Ion Ratio Lower Upper
49 100
128 45.2 24.2 72.6
130 57.6 30.4 91.2

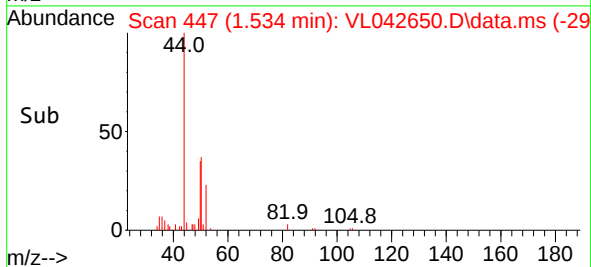
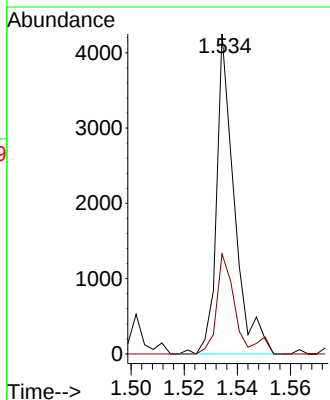
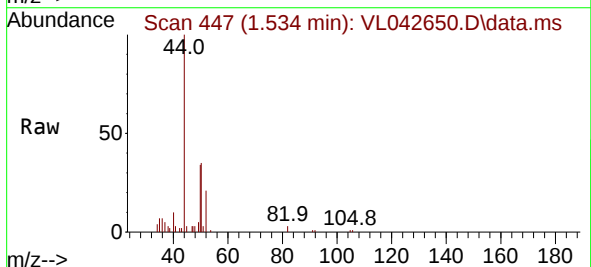
Manual Integrations
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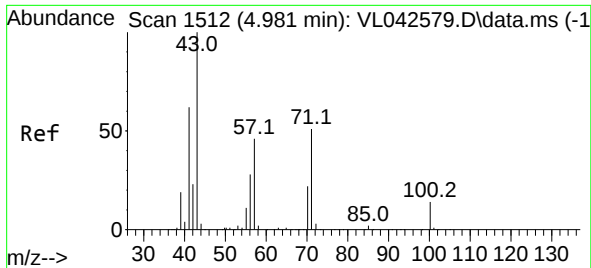
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#4
Chloromethane
Concen: 0.352 ppbv m
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

Tgt Ion: 50 Resp: 1963
Ion Ratio Lower Upper
50 100
52 61.1 25.8 38.6#





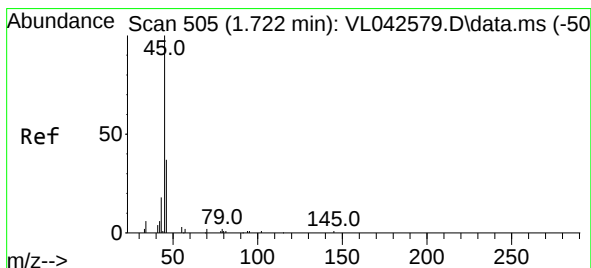
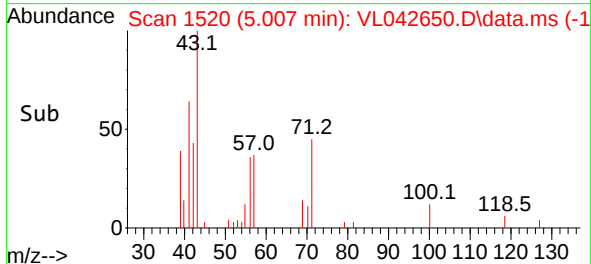
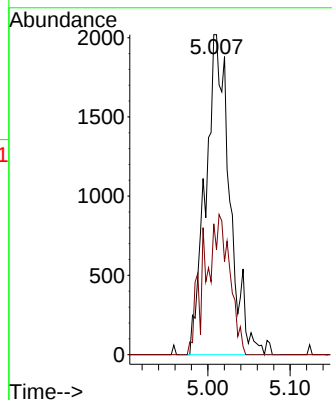
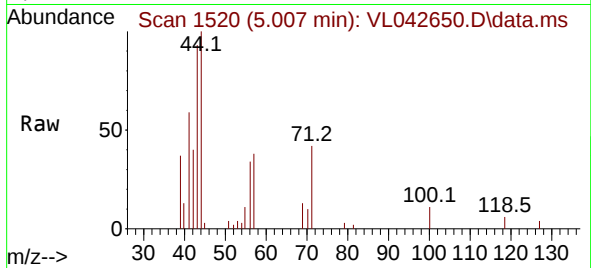
#10
Heptane
Concen: 0.187 ppbv m
RT: 5.007 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
57 45.5 38.9 58.3

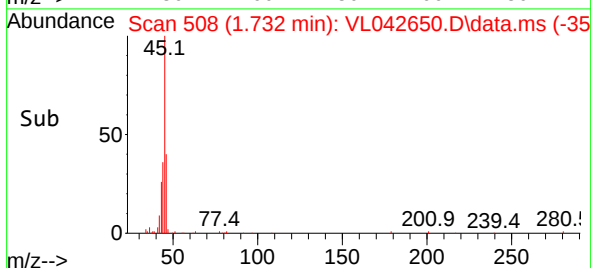
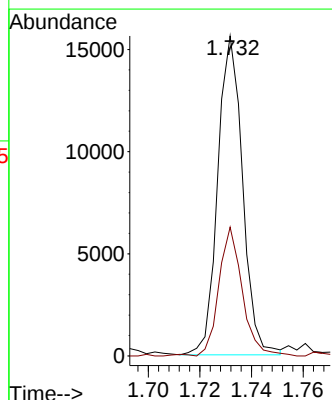
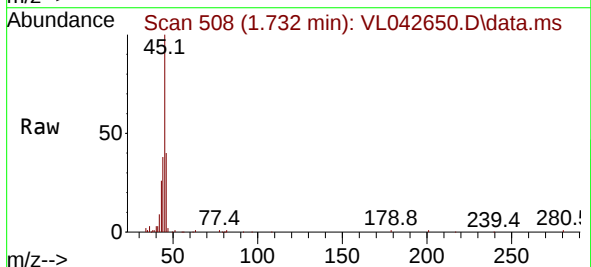
Manual Integrations
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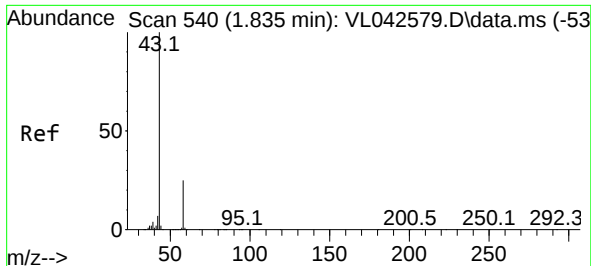
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#13
Ethanol
Concen: 11.192 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.010 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

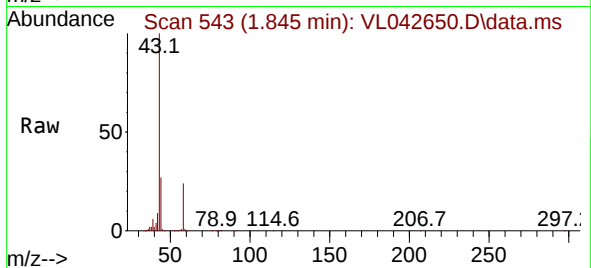
Tgt Ion: 45 Resp: 10418
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15
Acetone
Concen: 3.250 ppbv
RT: 1.845 min Scan# 540
Delta R.T. 0.010 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

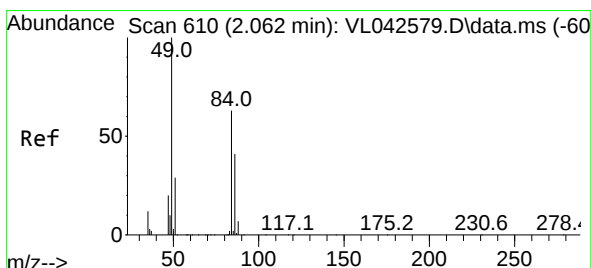
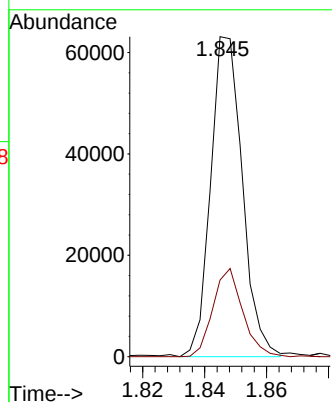
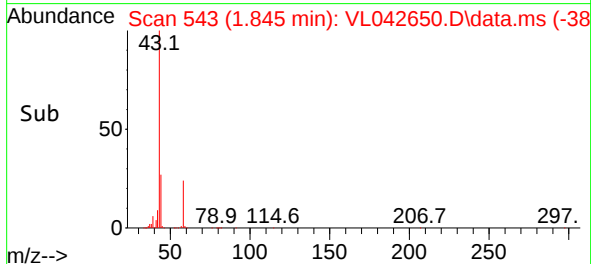
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



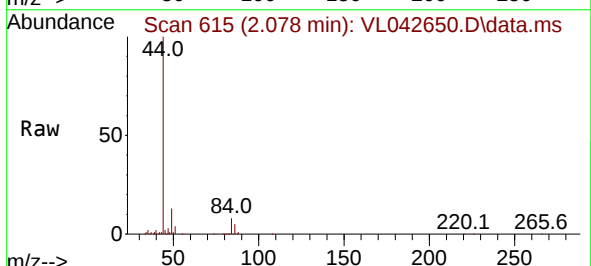
Tgt Ion: 43 Resp: 4486
Ion Ratio Lower Upper
43 100
58 26.0 21.0 31.4

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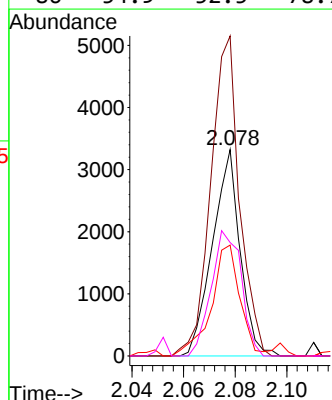
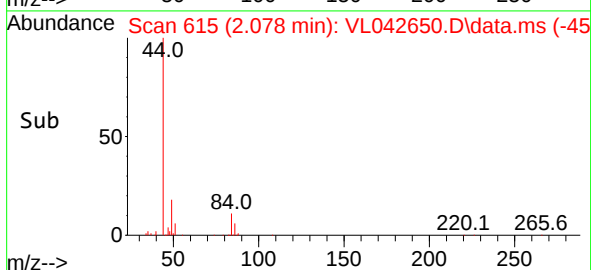
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

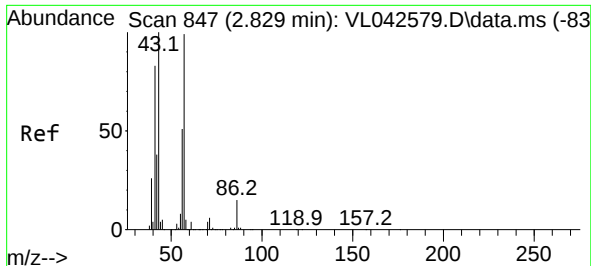


#20
Methylene Chloride
Concen: 0.542 ppbv
RT: 2.078 min Scan# 615
Delta R.T. 0.016 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09



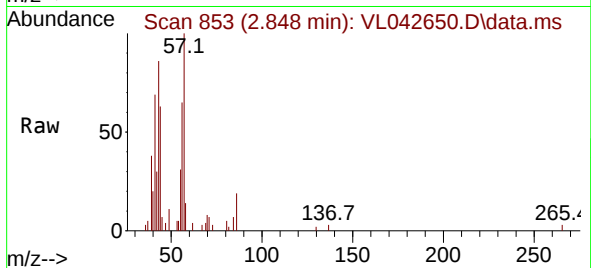
Tgt Ion: 84 Resp: 2468
Ion Ratio Lower Upper
84 100
49 155.0 128.8 193.2
51 51.1 38.6 57.8
86 54.9 52.5 78.7





#26
Hexane
Concen: 0.120 ppbv
RT: 2.848 min Scan# 819
Delta R.T. 0.019 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

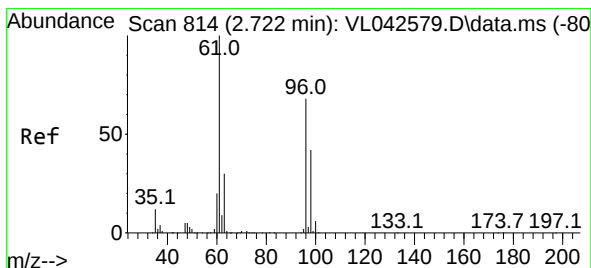
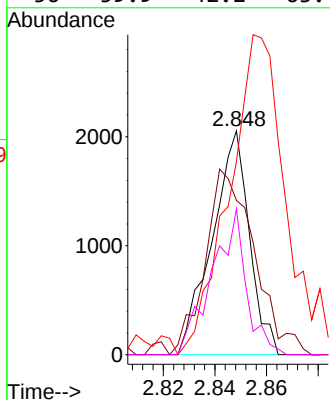
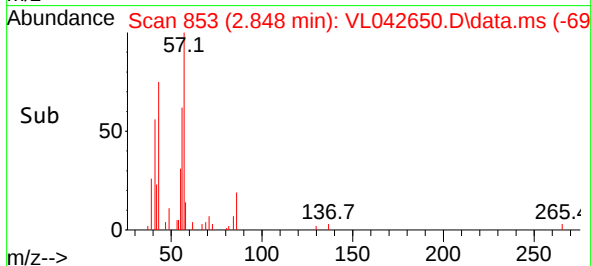
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL



Tgt Ion: 57 Resp: 2062
Ion Ratio Lower Upper
57 100
41 115.1 70.6 106.0
43 227.5 181.1 271.7
56 59.9 42.2 63.4

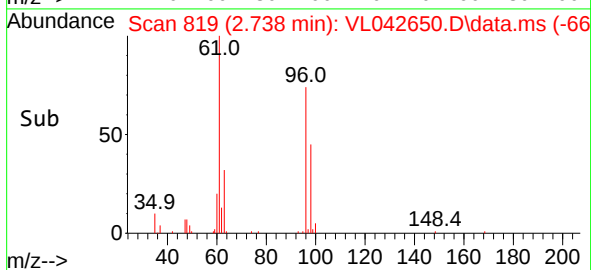
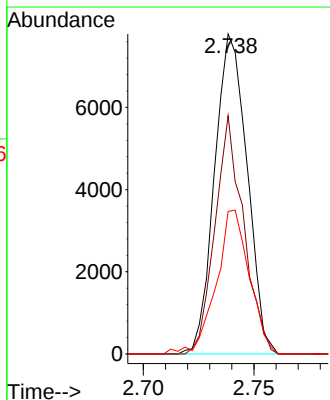
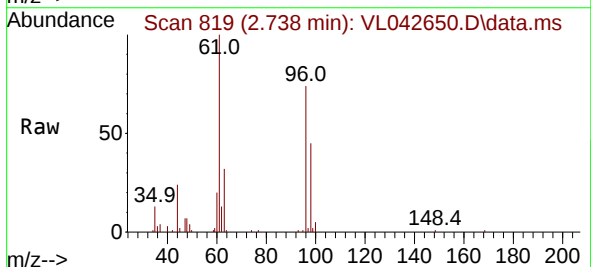
Manual Integrations
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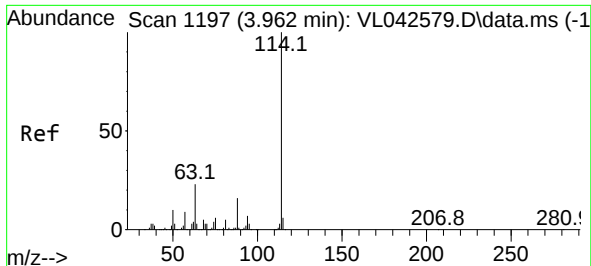
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#31
cis-1,2-Dichloroethene
Concen: 0.507 ppbv
RT: 2.738 min Scan# 819
Delta R.T. 0.016 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

Tgt Ion: 61 Resp: 7959
Ion Ratio Lower Upper
61 100
96 74.5 54.5 81.7
98 44.5 33.4 50.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1197

Delta R.T. 0.019 min

Lab File: VL042650.D

Acq: 19 Jun 2025 11:09

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

Tgt Ion:114 Resp: 292670

Ion Ratio Lower Upper

114 100

63 25.6 19.0 28.6

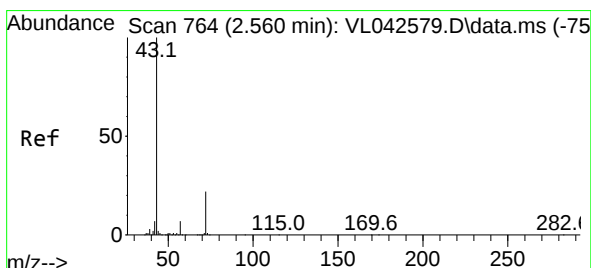
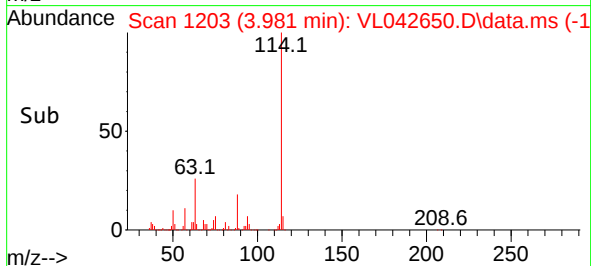
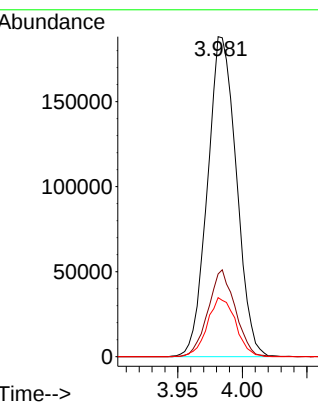
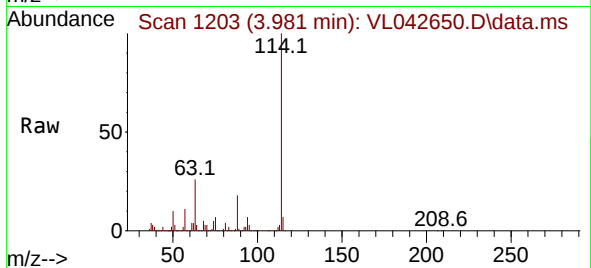
88 18.0 13.6 20.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#34

2-Butanone

Concen: 0.291 ppbv

RT: 2.576 min Scan# 769

Delta R.T. 0.016 min

Lab File: VL042650.D

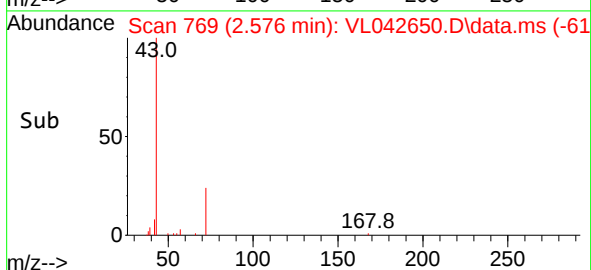
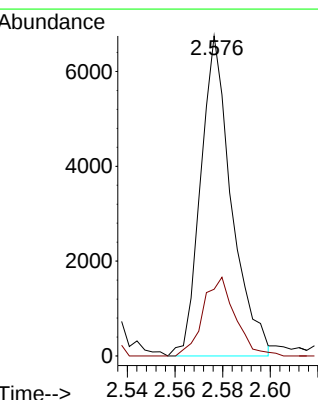
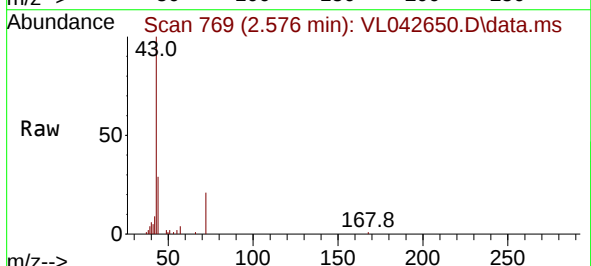
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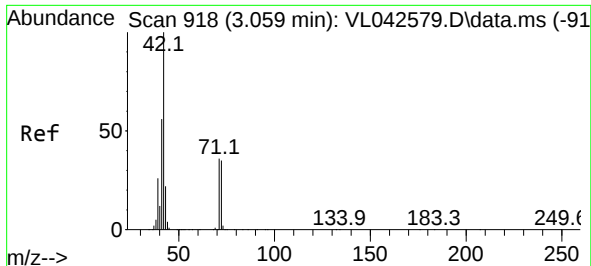
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Ion Ratio Lower Upper

43 100

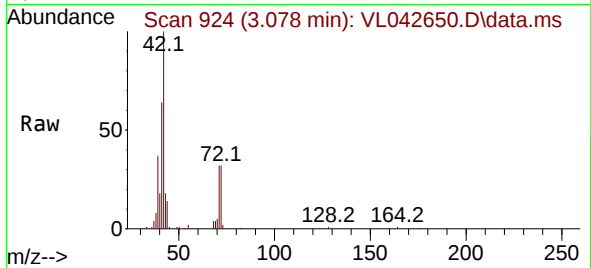
72 25.7 17.7 26.5





#41
Tetrahydrofuran
Concen: 1.263 ppbv
RT: 3.078 min Scan# 918
Delta R.T. 0.019 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

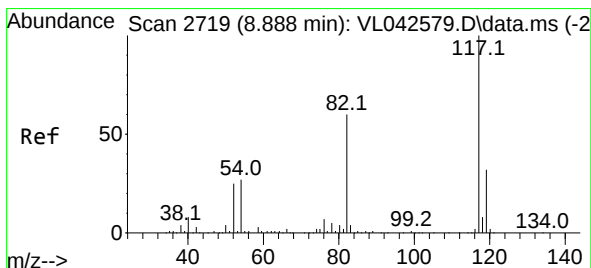
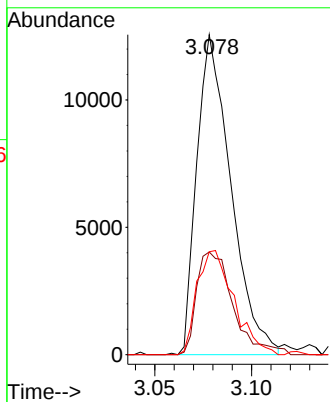
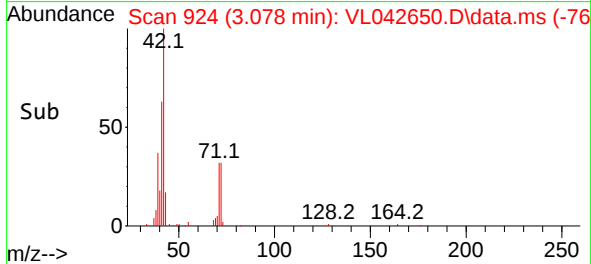
Instrument :
MSVOA_L
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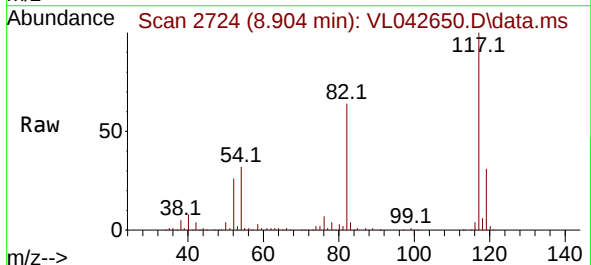
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Ion Ratio Lower Upper
42 100
72 34.1 28.9 43.3
71 35.3 28.5 42.7

Manual Integrations
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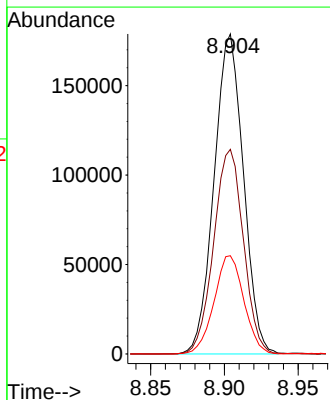
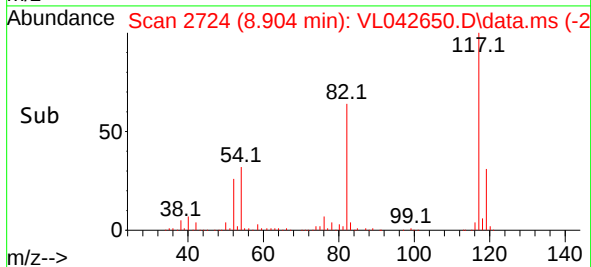
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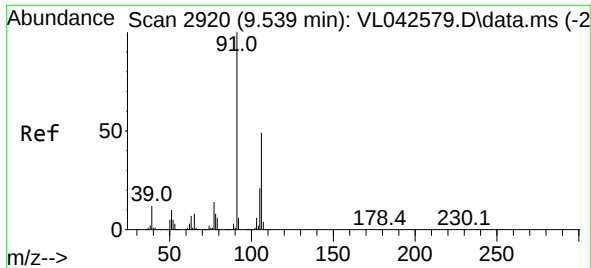


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.016 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09



Tgt Ion:117 Resp: 247226
Ion Ratio Lower Upper
117 100
82 64.8 51.2 76.8
119 31.5 26.3 39.5





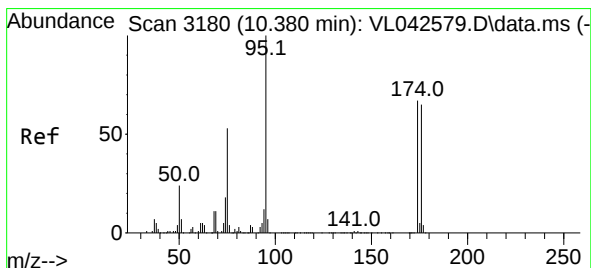
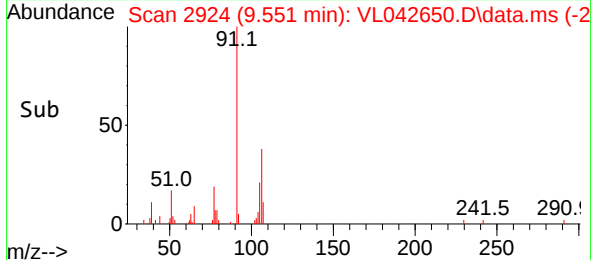
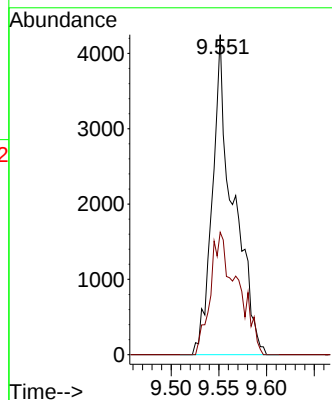
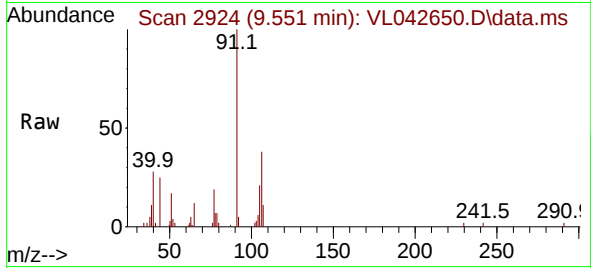
#59
m/p-Xylene
Concen: 0.196 ppbv m
RT: 9.551 min Scan# 2920
Delta R.T. 0.013 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

Tgt Ion: 91 Resp: 6460
Ion Ratio Lower Upper
91 100
106 50.0 38.8 58.2

Manual Integrations
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Supervised By :Mahesh Dadoda 06/23/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.131 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.013 min
Lab File: VL042650.D
Acq: 19 Jun 2025 11:09

Tgt Ion: 95 Resp: 187754
Ion Ratio Lower Upper
95 100
174 63.4 53.1 79.7
175 4.7 4.2 6.2

