

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042656.D
 Acq On : 19 Jun 2025 15:43
 Operator : SY/MD
 Sample : Q2368-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 20 01:39:25 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

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	2.800	49	107735	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	285711	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.901	117	262701	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	205423	10.431	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%
Target Compounds						Qvalue
9) Propene	1.489	41	916	0.125	ppbv	93
10) Heptane	5.004	43	9219m	0.445	ppbv	
15) Acetone	1.842	43	8386	0.646	ppbv	93
20) Methylene Chloride	2.068	84	745	0.174	ppbv #	70
26) Hexane	2.839	57	26559	1.646	ppbv #	41
29) Chloroform	2.861	83	7328	0.349	ppbv	96
34) 2-Butanone	2.573	43	6535m	0.321	ppbv	
41) Tetrahydrofuran	3.078	42	1828	0.153	ppbv	95
51) 2-Hexanone	7.461	43	24660m	1.100	ppbv	
52) Tetrachloroethene	8.244	164	425m	0.040	ppbv	
53) Toluene	6.959	91	20319m	0.625	ppbv	
58) Ethyl Benzene	9.370	91	6074	0.136	ppbv #	78
59) m/p-Xylene	9.548	91	33246	0.948	ppbv	98
60) o-Xylene	9.982	91	15149	0.433	ppbv	93
74) 1,2,4-Trimethylbenzene	11.548	105	7057	0.176	ppbv #	66

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

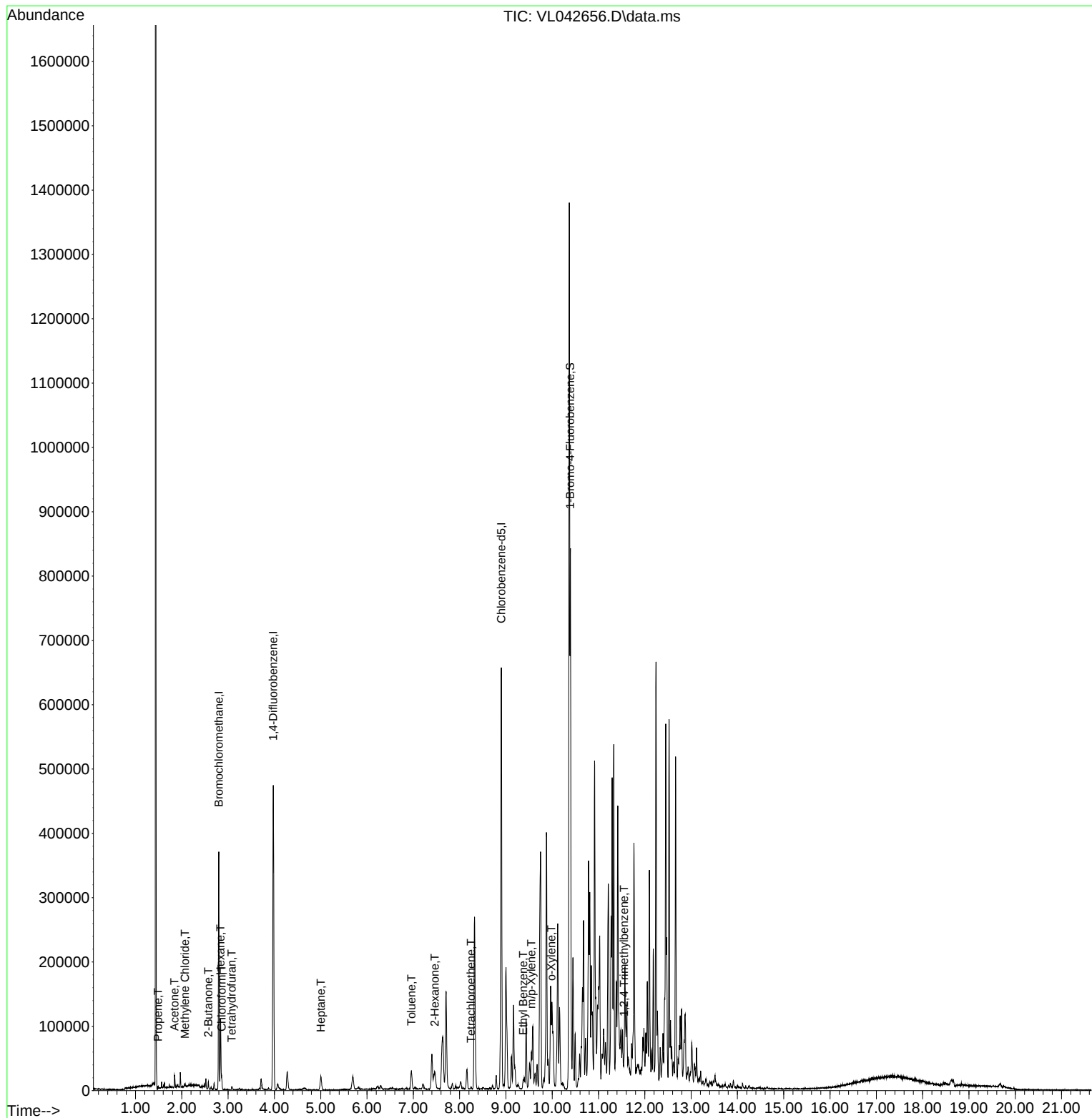
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
Data File : VL042656.D
Acq On : 19 Jun 2025 15:43
Operator : SY/MD
Sample : Q2368-01DL 40X
Misc : 400mL/MSVOA_L
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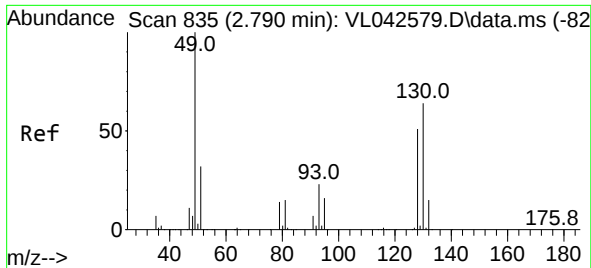
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

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

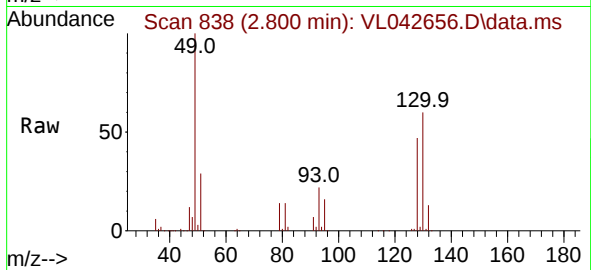
Quant Time: Jun 20 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

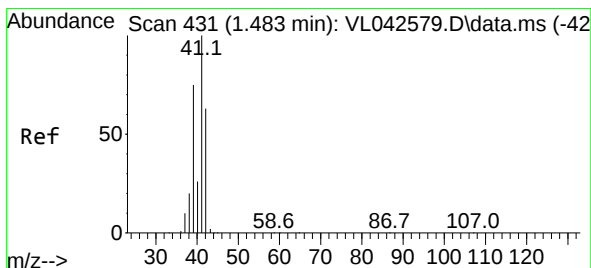
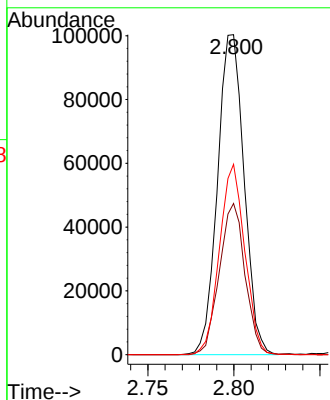
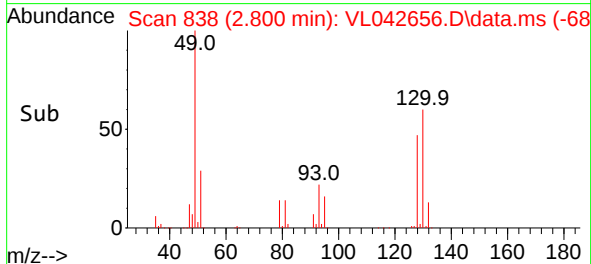
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 107735
Ion Ratio Lower Upper
49 100
128 45.7 24.2 72.6
130 56.8 30.4 91.2

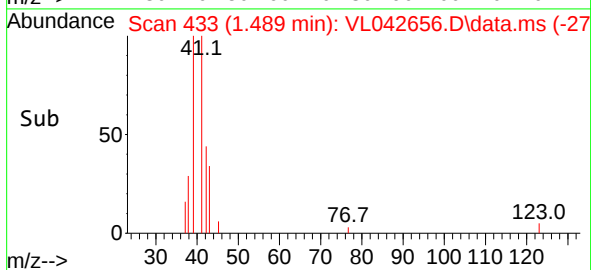
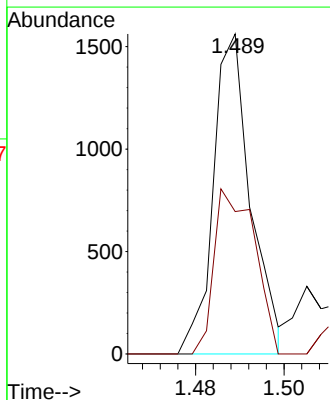
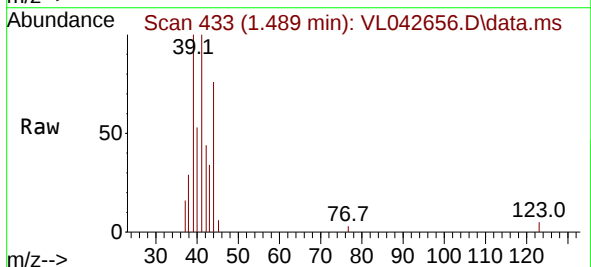
Manual Integrations
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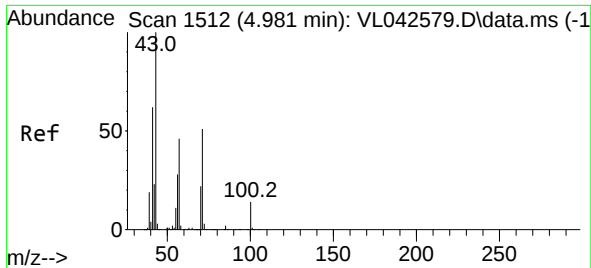
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#9
Propene
Concen: 0.125 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Tgt Ion: 41 Resp: 916
Ion Ratio Lower Upper
41 100
42 71.9 53.3 79.9





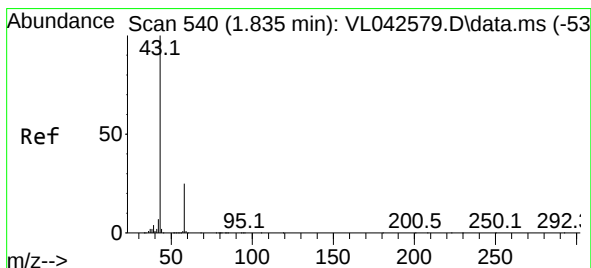
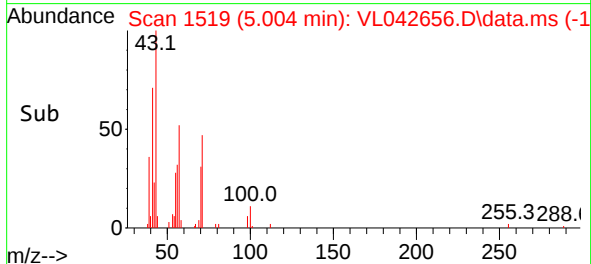
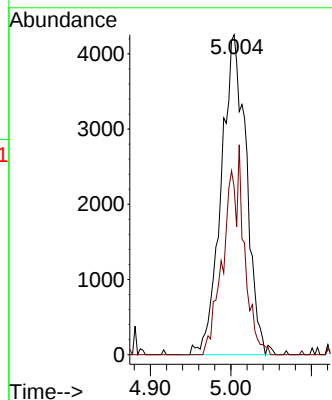
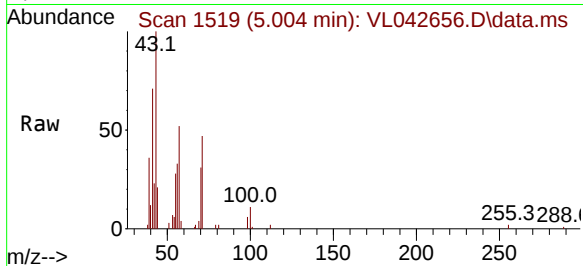
#10
Heptane
Concen: 0.445 ppbv m
RT: 5.004 min Scan# 1519
Delta R.T. 0.023 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 9219
Ion Ratio Lower Upper
43 100
57 0.0 38.9 58.3

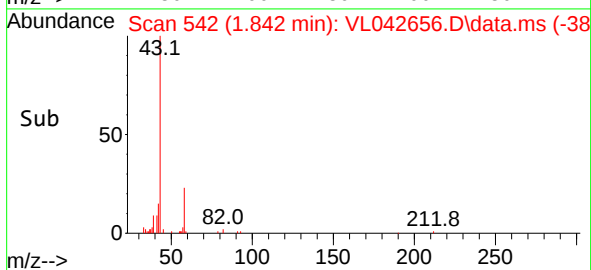
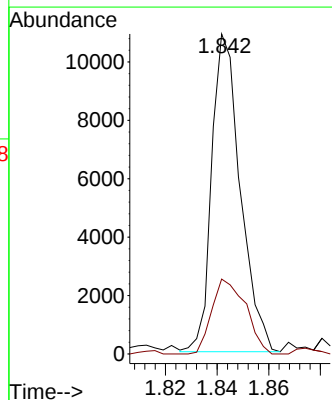
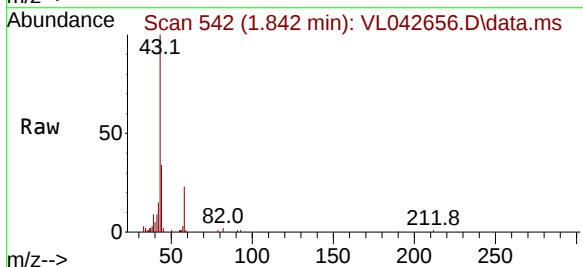
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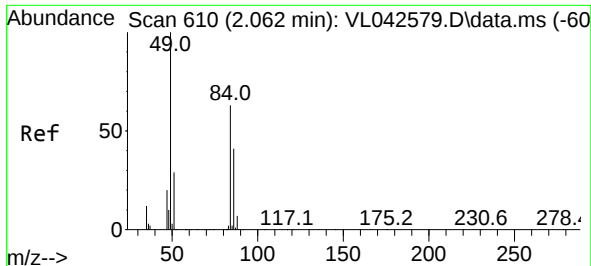
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#15
Acetone
Concen: 0.646 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Tgt Ion: 43 Resp: 8386
Ion Ratio Lower Upper
43 100
58 29.8 21.0 31.4





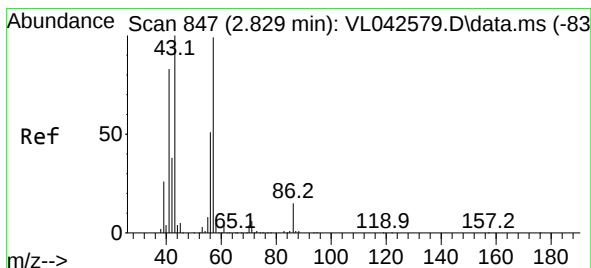
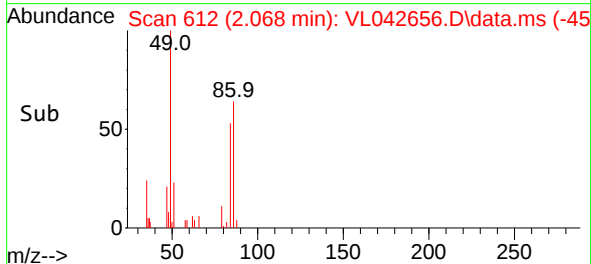
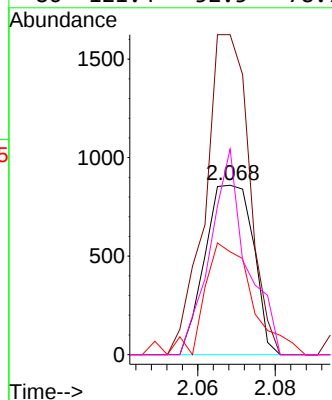
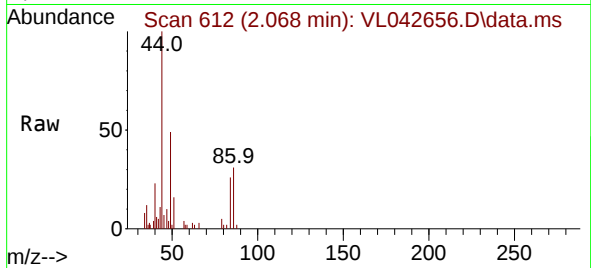
#20
Methylene Chloride
Concen: 0.174 ppbv
RT: 2.068 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:	84	Resp:	749
Ion	Ratio	Lower	Upper
84	100		
49	188.8	128.8	193.2
51	50.1	38.6	57.8
86	121.4	52.5	78.7#

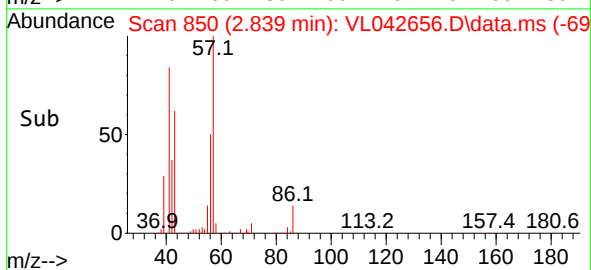
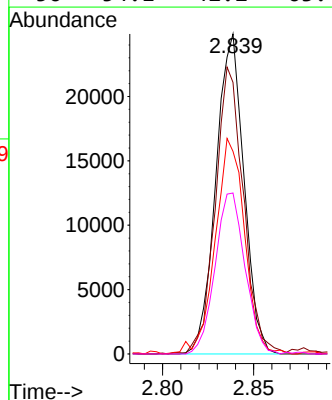
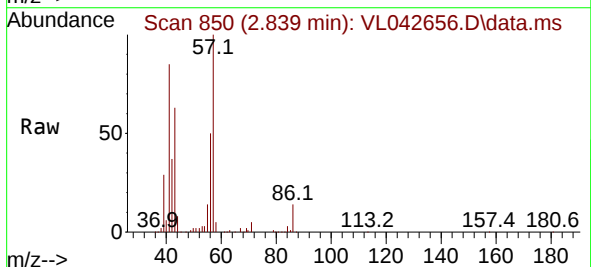
Manual Integrations
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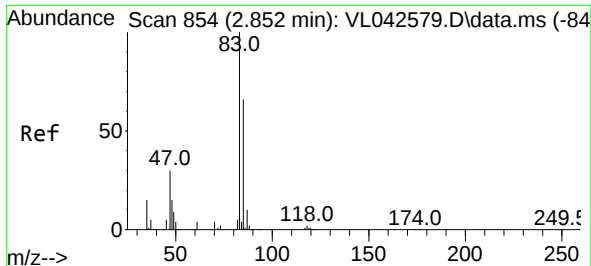
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#26
Hexane
Concen: 1.646 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Tgt Ion:	57	Resp:	26559
Ion	Ratio	Lower	Upper
57	100		
41	92.1	70.6	106.0
43	71.7	181.1	271.7#
56	54.1	42.2	63.4





#29

Chloroform

Concen: 0.349 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042656.D

Acq: 19 Jun 2025 15:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 83 Resp: 7328

Ion Ratio Lower Upper

83 100

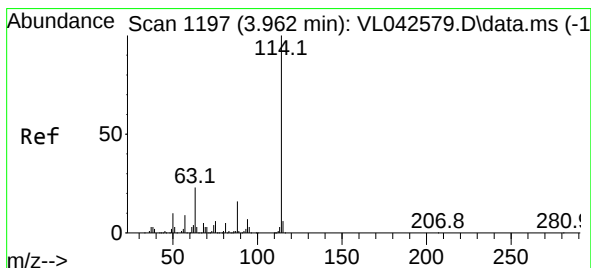
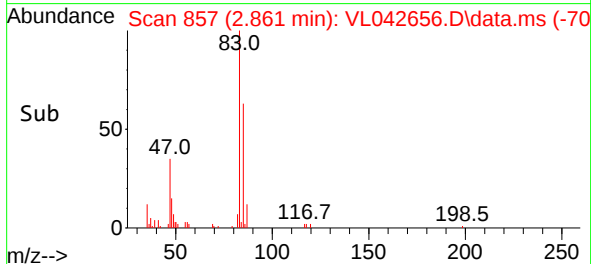
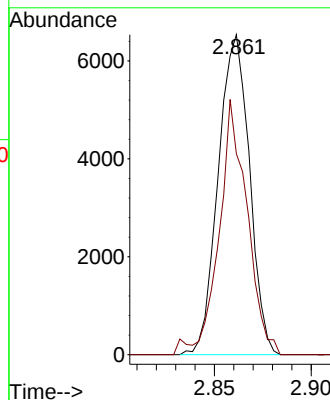
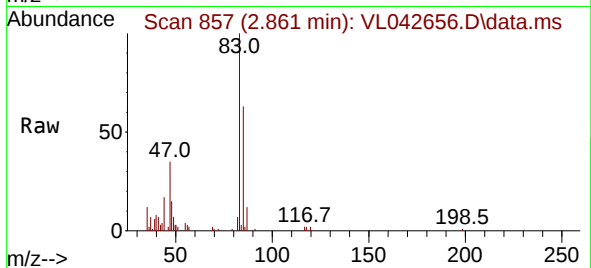
85 62.8 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 1201

Delta R.T. 0.013 min

Lab File: VL042656.D

Acq: 19 Jun 2025 15:43

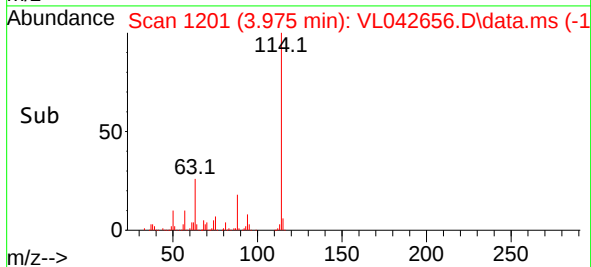
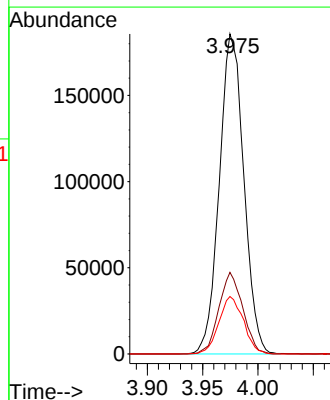
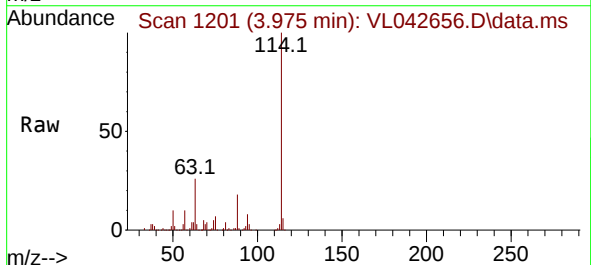
Tgt Ion:114 Resp: 285711

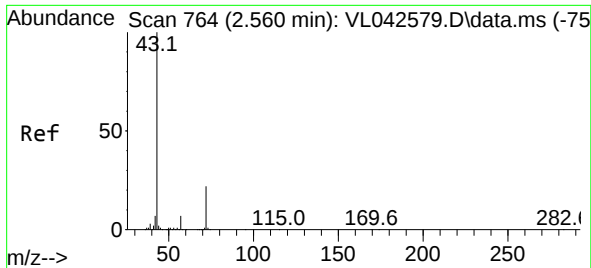
Ion Ratio Lower Upper

114 100

63 25.0 19.0 28.6

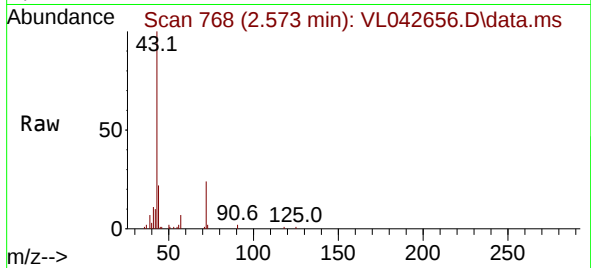
88 18.0 13.6 20.4





#34
2-Butanone
Concen: 0.321 ppbv m
RT: 2.573 min Scan# 768
Delta R.T. 0.013 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

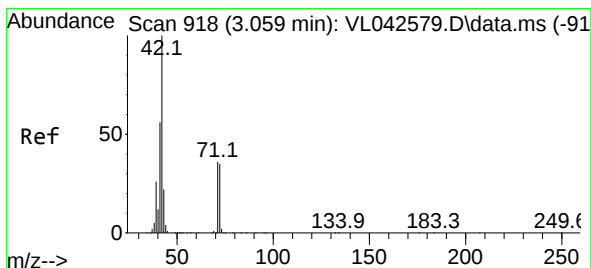
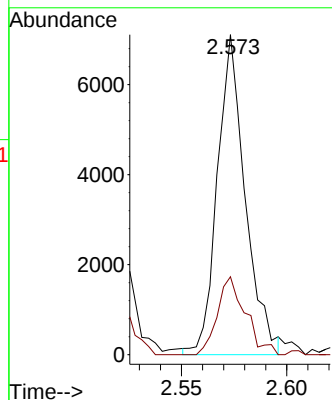
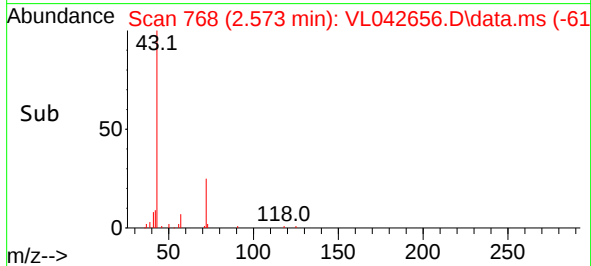
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
72 25.0 17.7 26.5

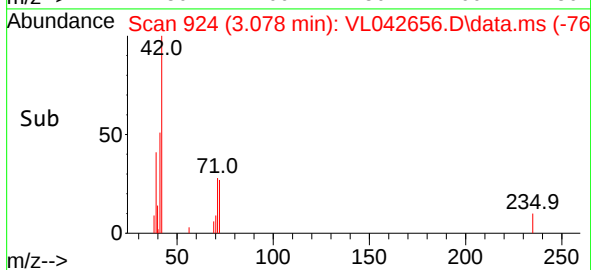
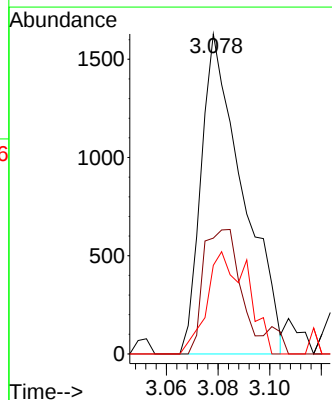
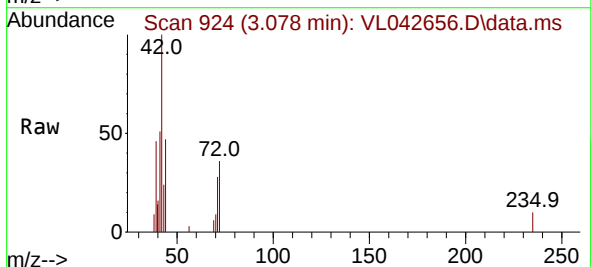
Manual Integrations
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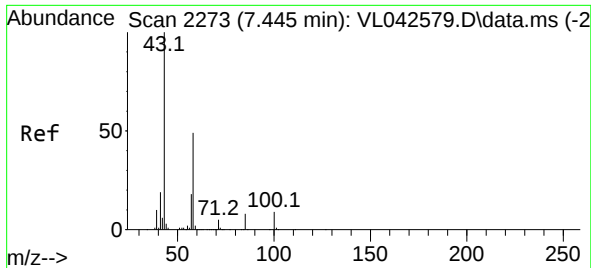
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#41
Tetrahydrofuran
Concen: 0.153 ppbv
RT: 3.078 min Scan# 924
Delta R.T. 0.019 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

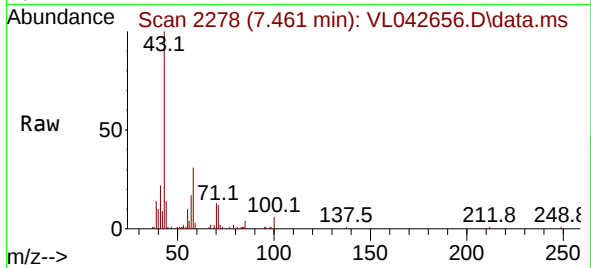
Tgt Ion: 42 Resp: 1828
Ion Ratio Lower Upper
42 100
72 37.7 28.9 43.3
71 31.2 28.5 42.7





#51
2-Hexanone
Concen: 1.100 ppbv m
RT: 7.461 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

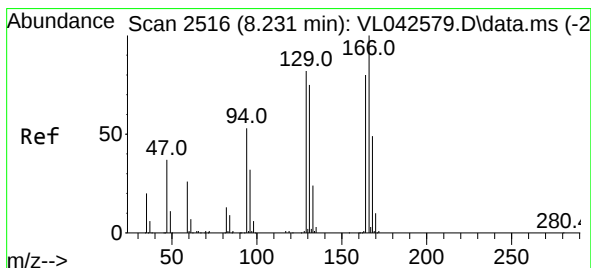
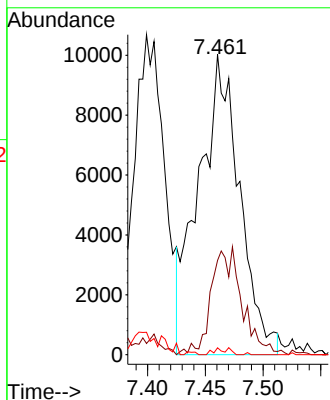
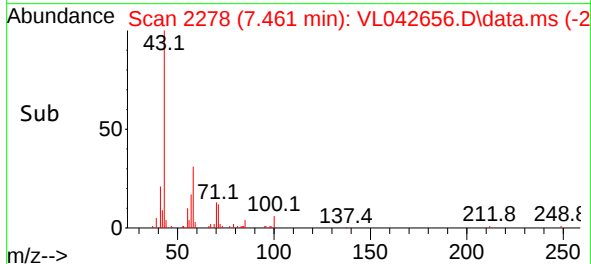
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



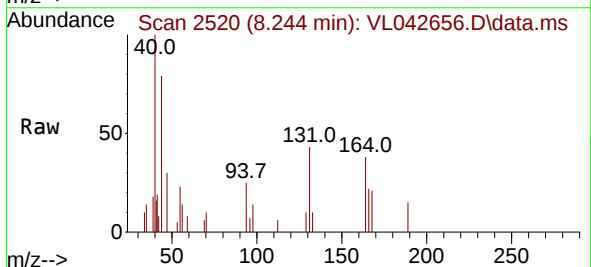
Tgt Ion: 43 Resp: 2466
Ion Ratio Lower Upper
43 100
58 27.1 39.9 59.9#
98 1.0 0.1 0.1#

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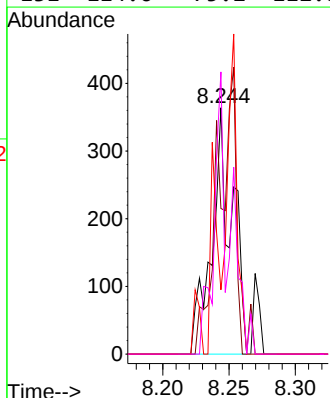
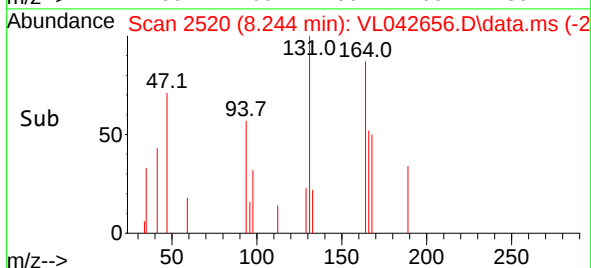
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025

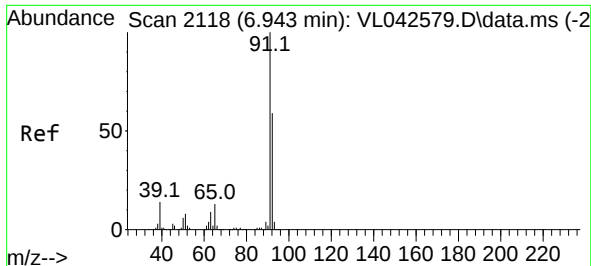


#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 8.244 min Scan# 2520
Delta R.T. 0.013 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43



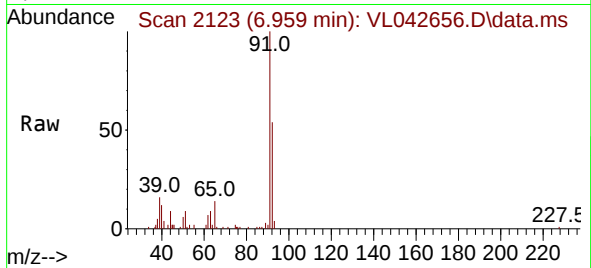
Tgt Ion:164 Resp: 425
Ion Ratio Lower Upper
164 100
166 59.1 100.0 150.0#
129 26.1 82.2 123.4#
131 114.6 75.2 112.8#





#53
Toluene
Concen: 0.625 ppbv m
RT: 6.959 min Scan# 2118
Delta R.T. 0.016 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

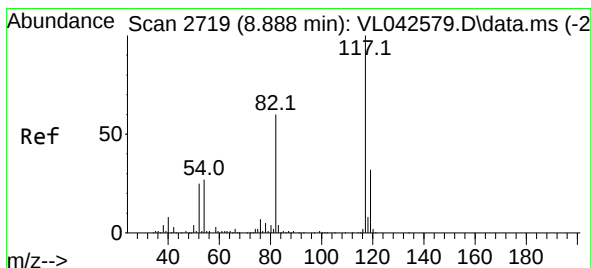
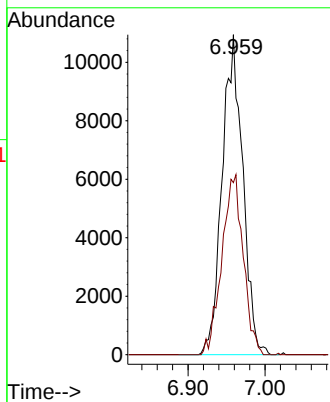
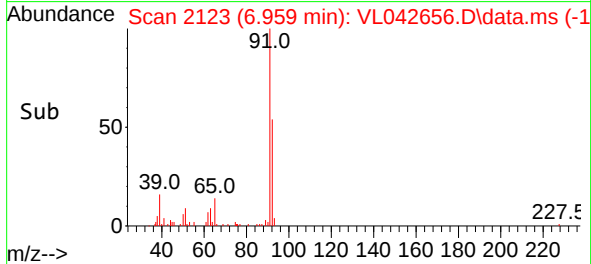
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 20319
Ion Ratio Lower Upper
91 100
92 58.5 48.2 72.4

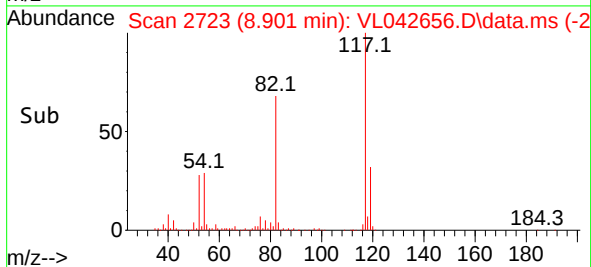
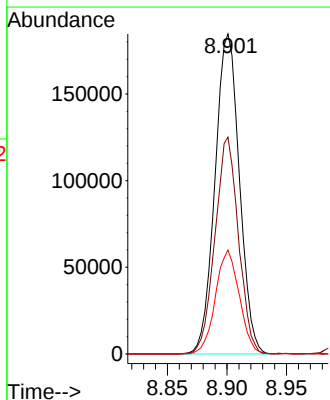
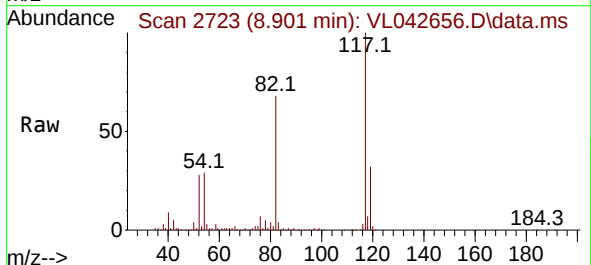
Manual Integrations
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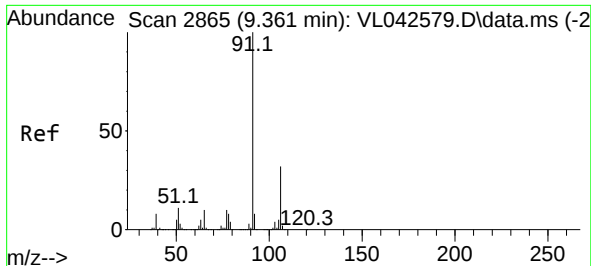
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.013 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Tgt Ion:117 Resp: 262701
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 31.8 26.3 39.5





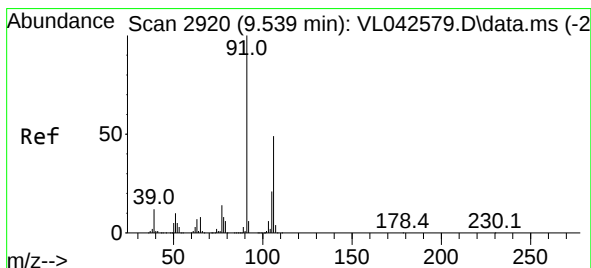
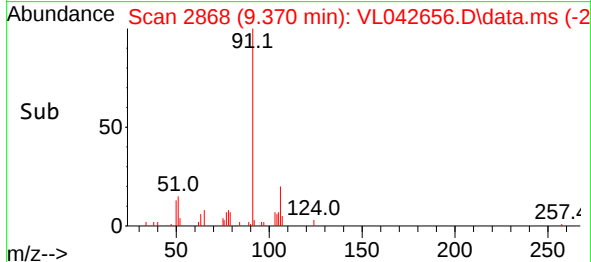
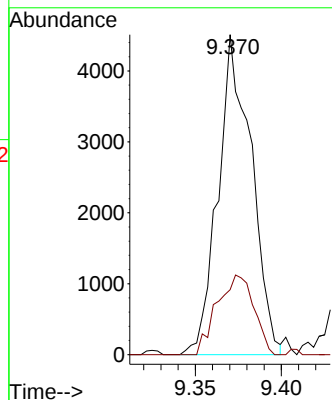
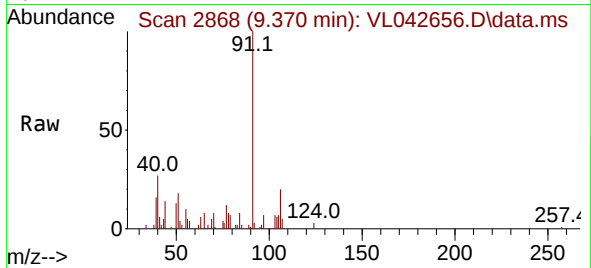
#58
Ethyl Benzene
Concen: 0.136 ppbv
RT: 9.370 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 6074
Ion Ratio Lower Upper
91 100
106 20.3 25.9 38.9

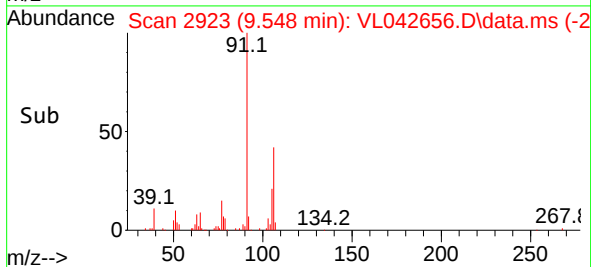
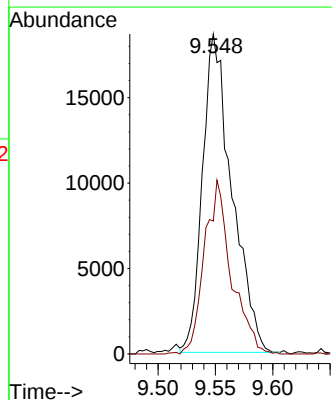
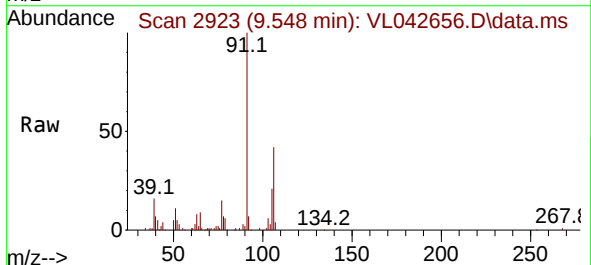
Manual Integrations
APPROVED

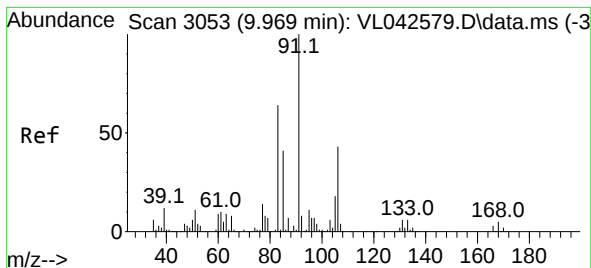
Reviewed By :Semsettin Yesilyurt 06/23/2025
Supervised By :Mahesh Dadoda 06/23/2025



#59
m/p-Xylene
Concen: 0.948 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. 0.010 min
Lab File: VL042656.D
Acq: 19 Jun 2025 15:43

Tgt Ion: 91 Resp: 33246
Ion Ratio Lower Upper
91 100
106 50.2 38.8 58.2





#60

o-Xylene

Concen: 0.433 ppbv

RT: 9.982 min Scan# 3053

Delta R.T. 0.013 min

Lab File: VL042656.D

Acq: 19 Jun 2025 15:43

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 91 Resp: 15149

Ion Ratio Lower Upper

91 100

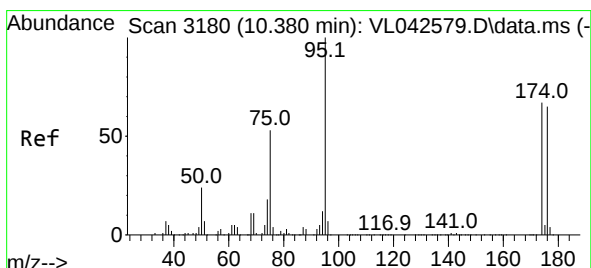
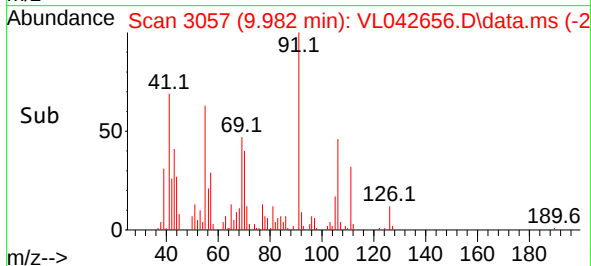
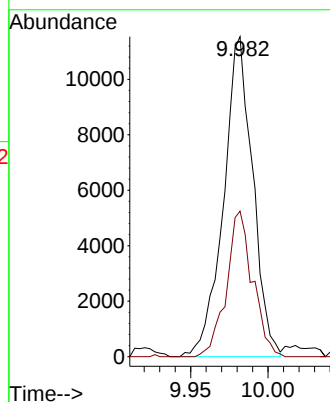
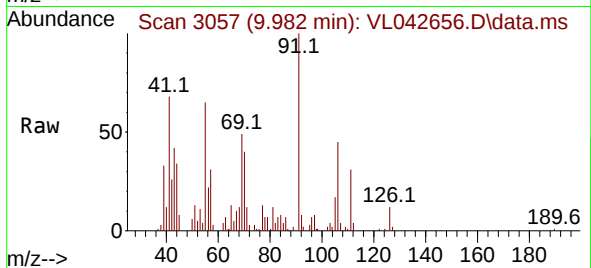
106 40.8 22.9 68.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/23/2025

Supervised By :Mahesh Dadoda 06/23/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.431 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.010 min

Lab File: VL042656.D

Acq: 19 Jun 2025 15:43

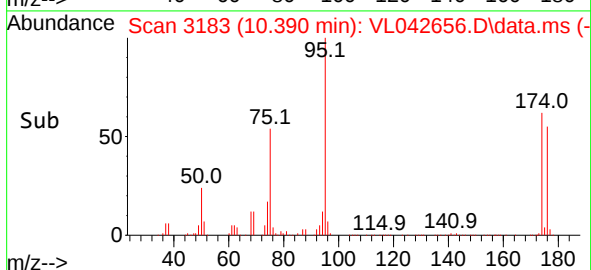
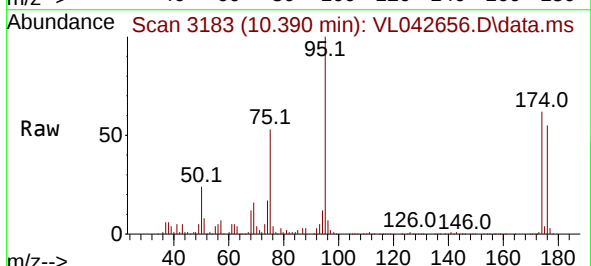
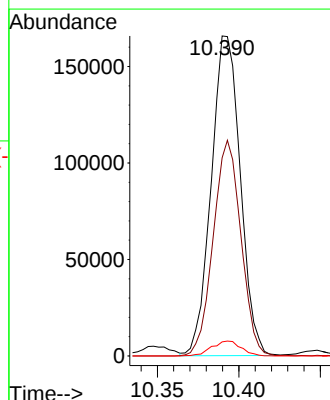
Tgt Ion: 95 Resp: 205423

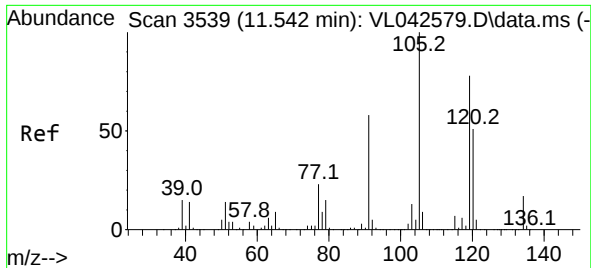
Ion Ratio Lower Upper

95 100

174 64.4 53.1 79.7

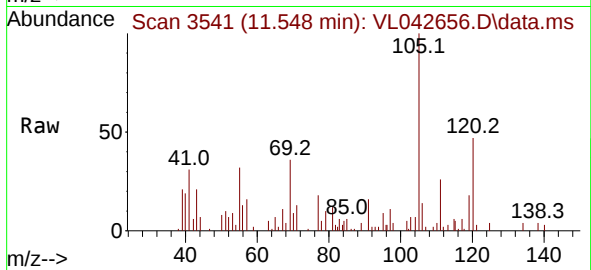
175 4.7 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.176 ppbv
 RT: 11.548 min Scan# 3541
 Delta R.T. 0.006 min
 Lab File: VL042656.D
 Acq: 19 Jun 2025 15:43

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	105	Resp:	705
Ion Ratio	Lower	Upper	
105	100		
120	47.0	40.8	61.2
91	11.5	46.8	70.2
77	11.9	18.2	27.2

Manual Integrations
 APPROVED

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

