

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043067.D
 Acq On : 08 Oct 2025 20:30
 Operator : SY/MD
 Sample : Q3306-03 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:22:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	191364	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.959	114	519787	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.875	117	486482	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	362344	10.339	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
9) Propene	1.476	41	2244m	0.178	ppbv	
10) Heptane	4.981	43	8551m	0.276	ppbv	
13) Ethanol	1.722	45	4758m	9.167	ppbv	
15) Acetone	1.839	43	25441	0.949	ppbv	95
20) Methylene Chloride	2.068	84	4451m	0.381	ppbv	
26) Hexane	2.829	57	53836	2.082	ppbv #	34
34) 2-Butanone	2.560	43	5964	0.169	ppbv	98
51) 2-Hexanone	7.428	43	29648	0.968	ppbv #	64
52) Tetrachloroethene	8.218	164	8567	0.466	ppbv	87
53) Toluene	6.930	91	37247	0.743	ppbv	95
58) Ethyl Benzene	9.348	91	35188	0.467	ppbv	93
59) m/p-Xylene	9.526	91	99454	1.565	ppbv	98
60) o-Xylene	9.956	91	49872	0.788	ppbv	97
62) Isopropylbenzene	10.536	105	13707	0.141	ppbv	97
67) sec-Butylbenzene	11.762	105	19444	0.161	ppbv #	63
73) 1,3,5-Trimethylbenzene	11.199	105	24240	0.372	ppbv	94
74) 1,2,4-Trimethylbenzene	11.529	105	39190	0.533	ppbv #	58

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

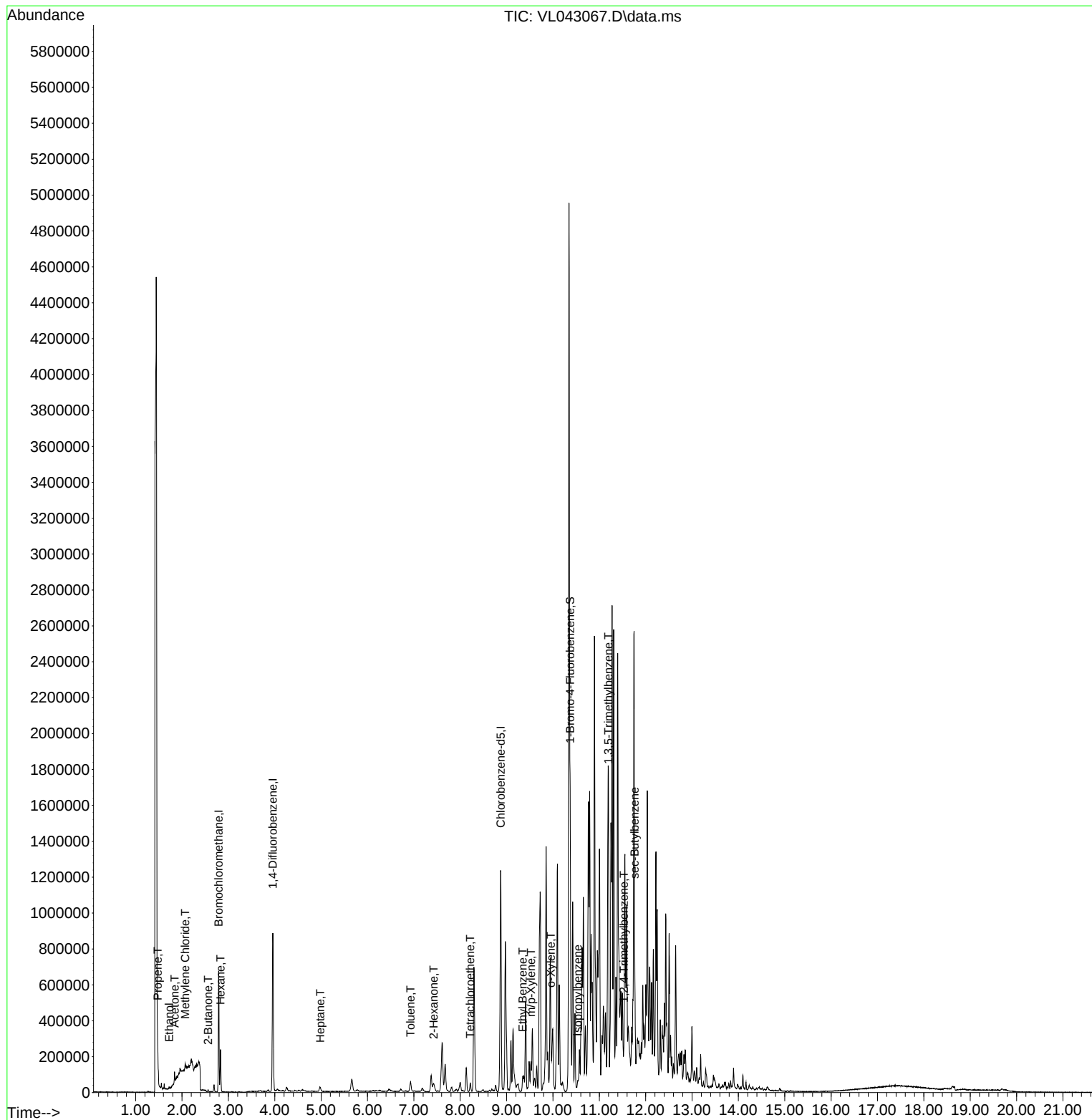
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043067.D
Acq On : 08 Oct 2025 20:30
Operator : SY/MD
Sample : Q3306-03 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

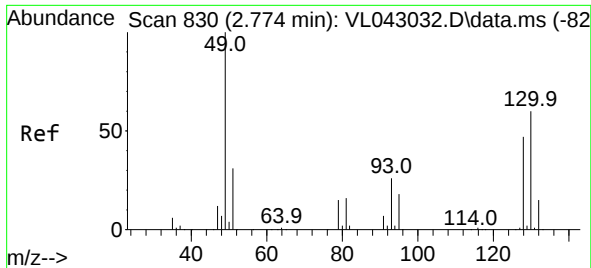
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

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Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 01:22:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





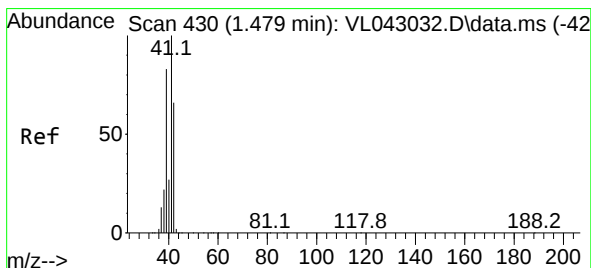
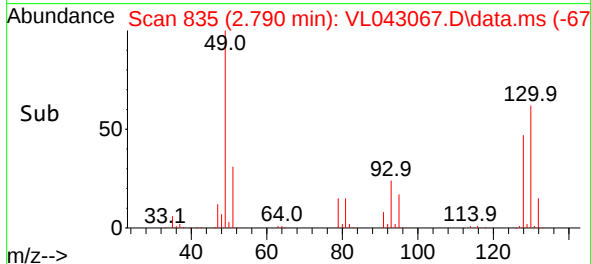
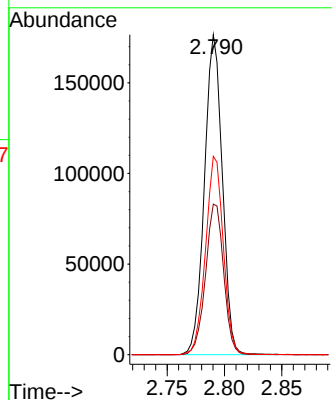
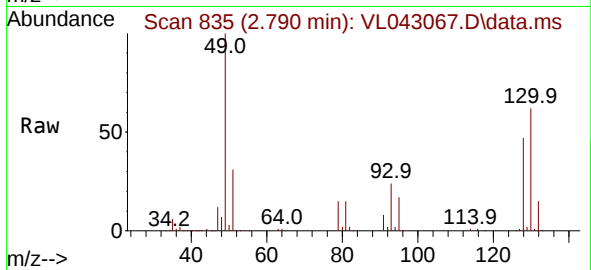
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 191364
Ion Ratio Lower Upper
49 100
128 47.8 24.1 72.2
130 61.7 31.4 94.3

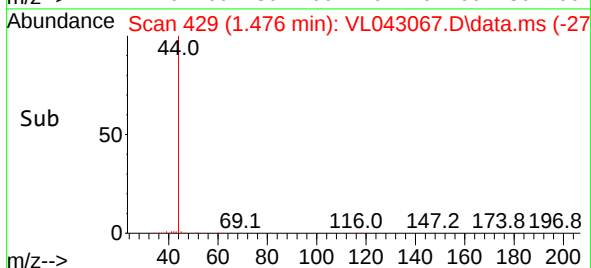
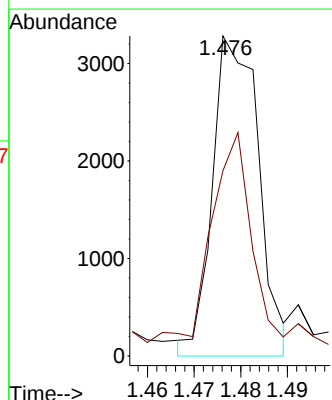
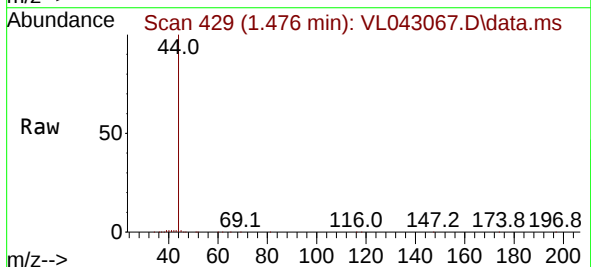
Manual Integrations
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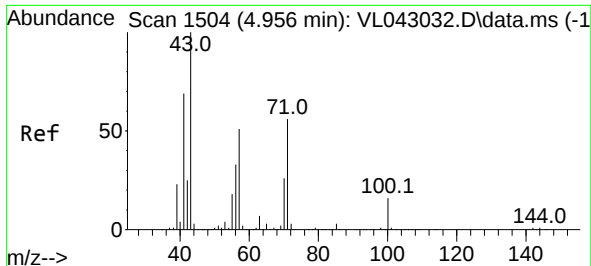
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#9
Propene
Concen: 0.178 ppbv m
RT: 1.476 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

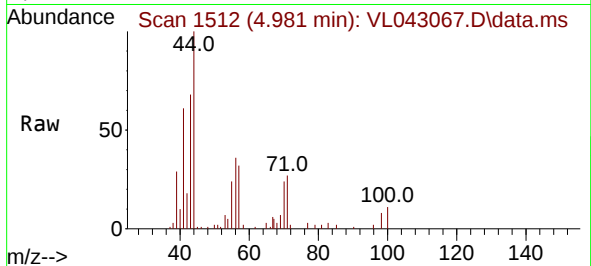
Tgt Ion: 41 Resp: 2244
Ion Ratio Lower Upper
41 100
42 87.3 53.3 79.9#





#10
Heptane
Concen: 0.276 ppbv m
RT: 4.981 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

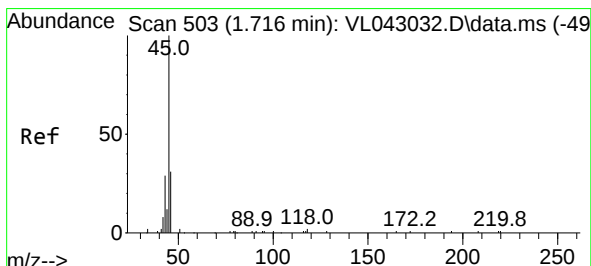
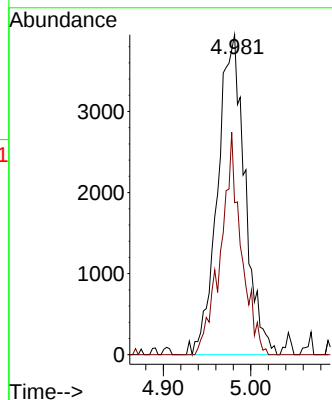
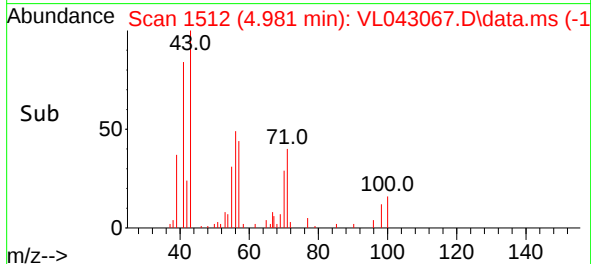
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
57 52.3 40.3 60.5

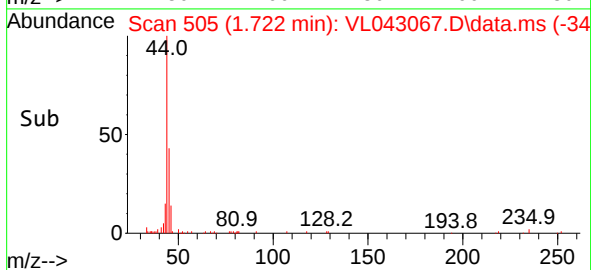
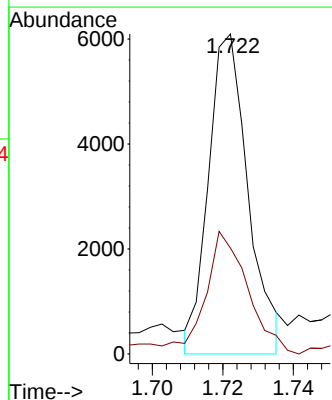
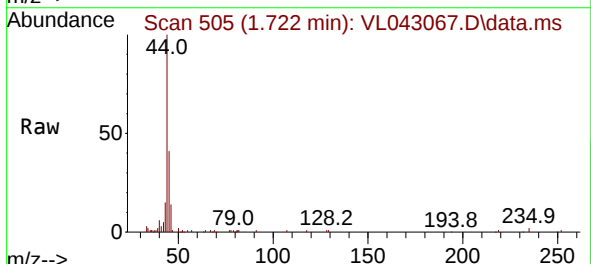
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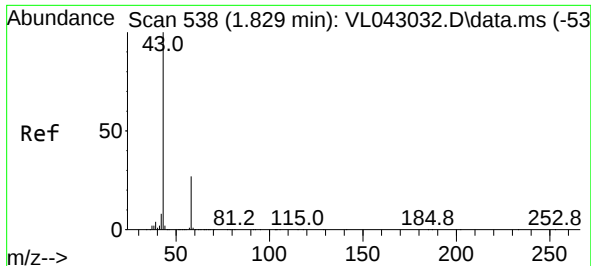
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 9.167 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion: 45 Resp: 4758
Ion Ratio Lower Upper
45 100
46 5640.9 17.8 71.4#





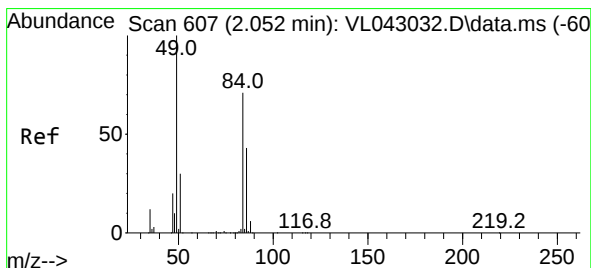
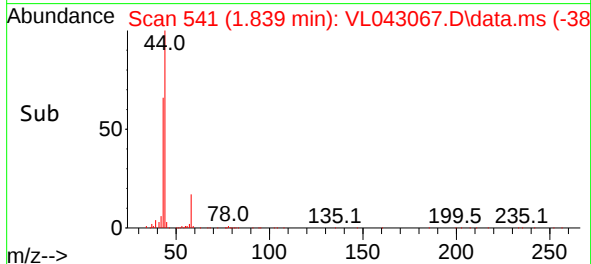
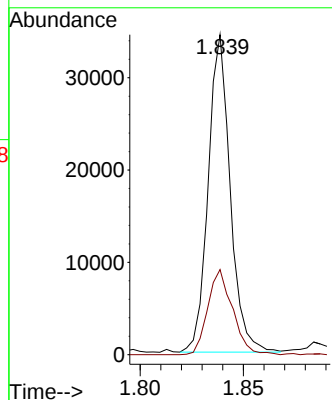
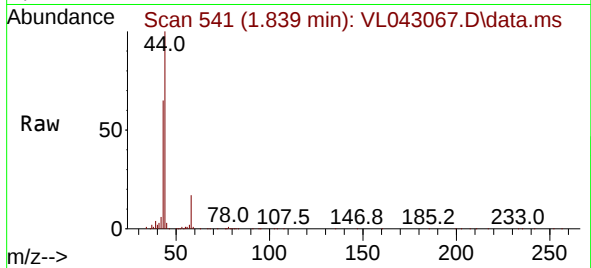
#15
Acetone
Concen: 0.949 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.010 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
58 30.5 22.2 33.4

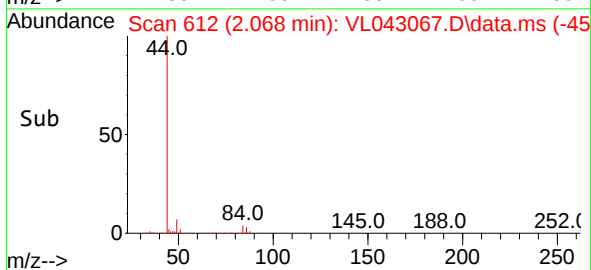
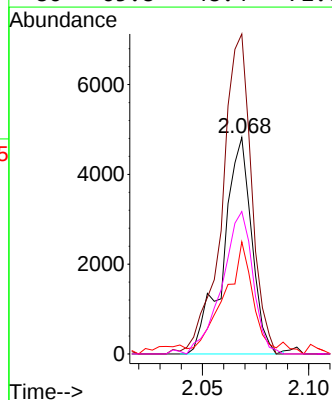
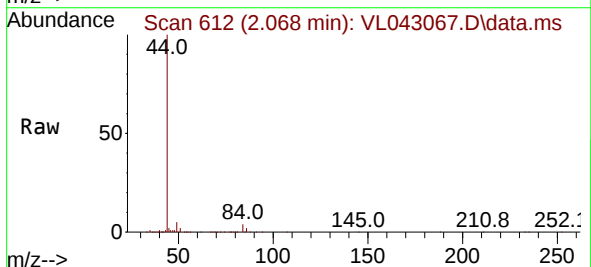
Manual Integrations
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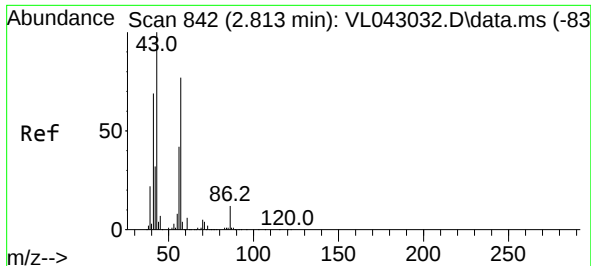
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.381 ppbv m
RT: 2.068 min Scan# 612
Delta R.T. 0.016 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion: 84 Resp: 4451
Ion Ratio Lower Upper
84 100
49 147.8 112.5 168.7
51 51.8 34.2 51.2#
86 65.8 48.4 72.6





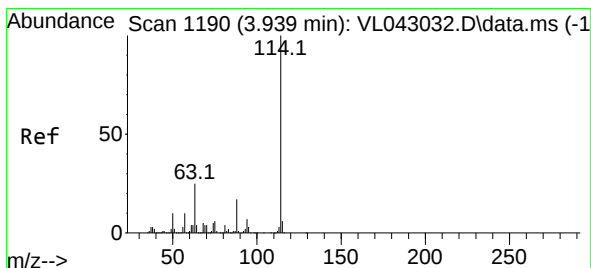
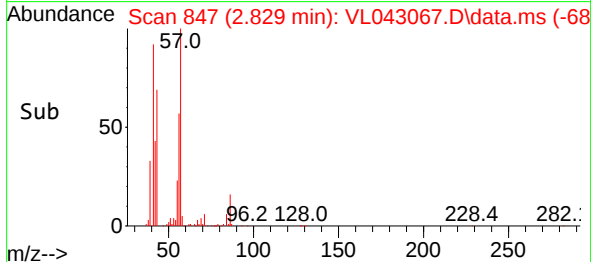
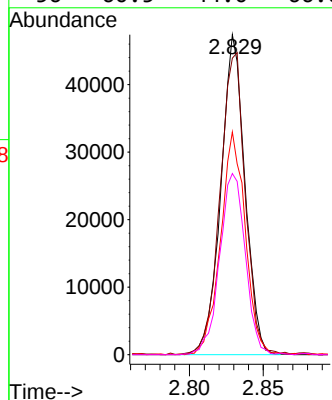
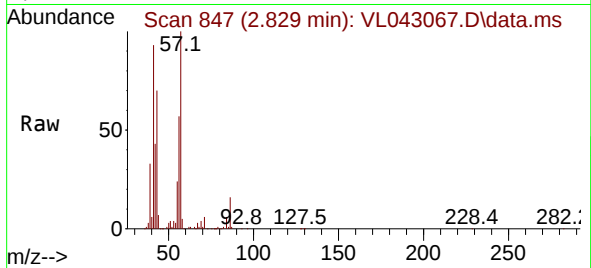
#26
Hexane
Concen: 2.082 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 57 Resp: 53830
Ion Ratio Lower Upper
57 100
41 99.5 76.1 114.1
43 71.8 201.4 302.0
56 60.5 44.0 66.0

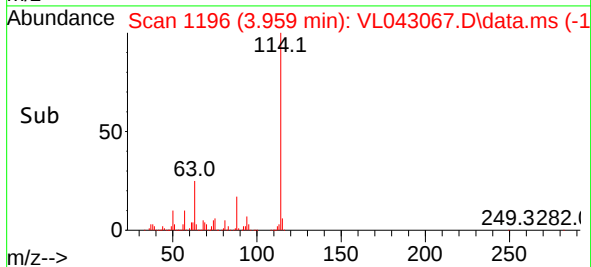
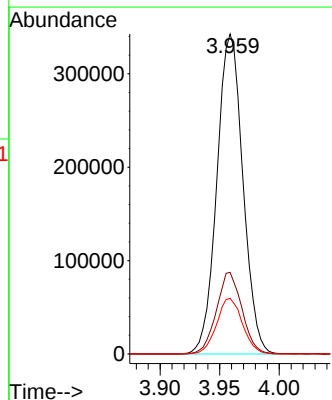
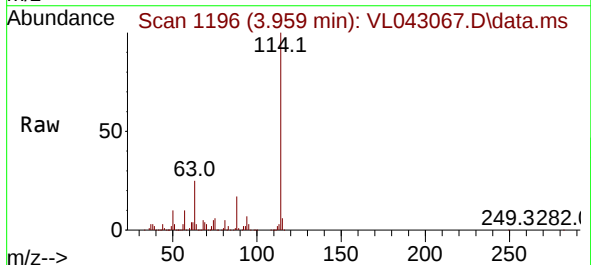
Manual Integrations
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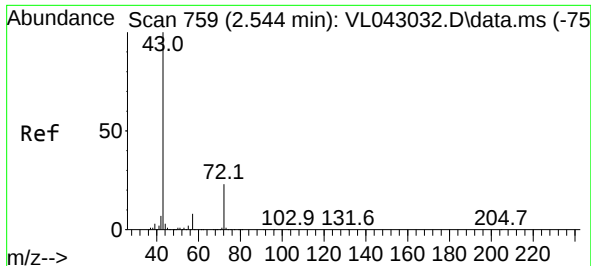
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.019 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

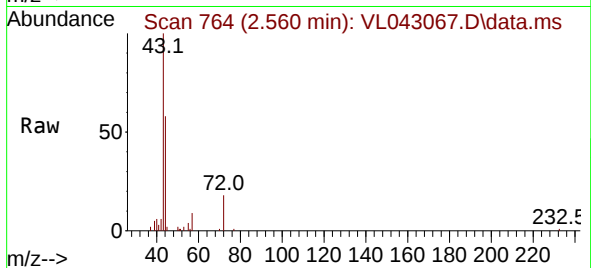
Tgt Ion:114 Resp: 519787
Ion Ratio Lower Upper
114 100
63 25.1 19.4 29.2
88 17.2 13.9 20.9





#34
2-Butanone
Concen: 0.169 ppbv
RT: 2.560 min Scan# 759
Delta R.T. 0.016 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

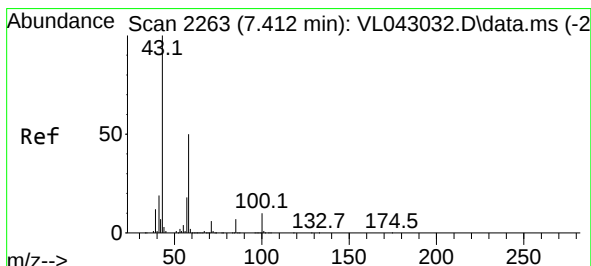
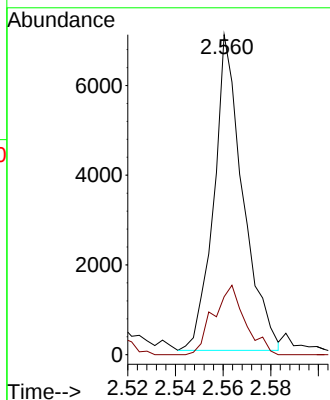
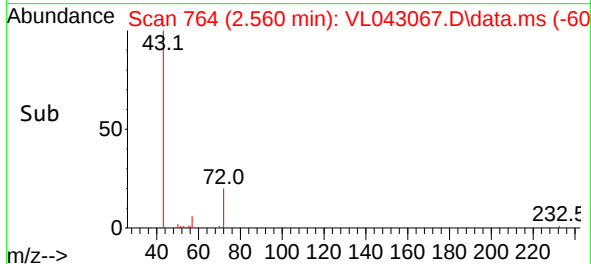
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 5964
Ion Ratio Lower Upper
43 100
72 24.0 18.4 27.6

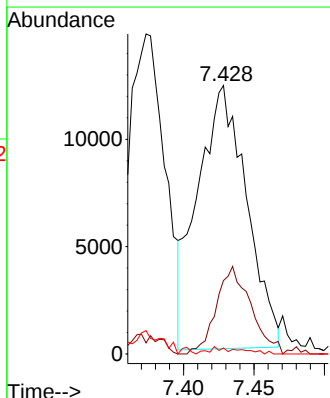
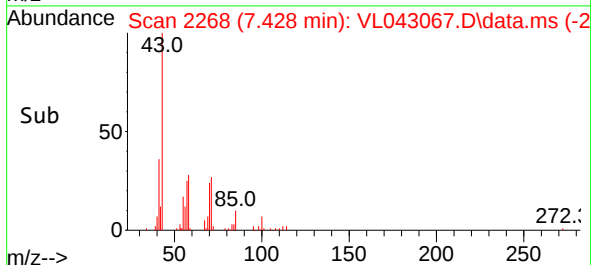
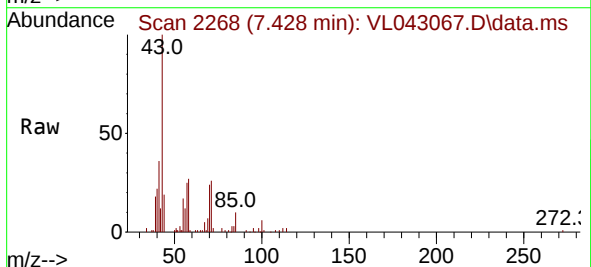
Manual Integrations
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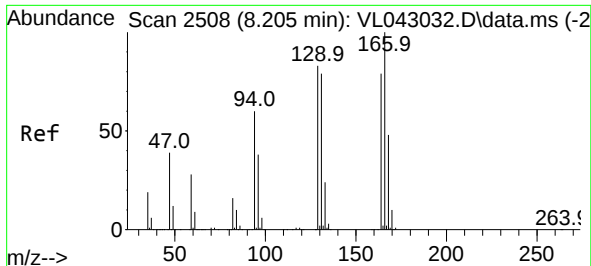
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#51
2-Hexanone
Concen: 0.968 ppbv
RT: 7.428 min Scan# 2268
Delta R.T. 0.016 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

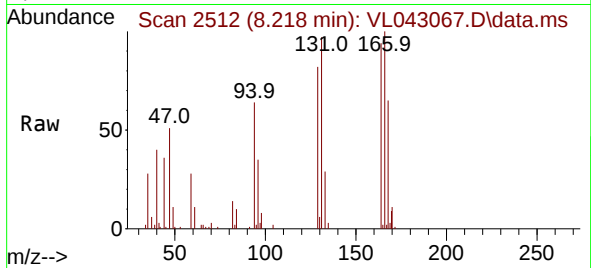
Tgt Ion: 43 Resp: 29648
Ion Ratio Lower Upper
43 100
58 24.0 39.1 58.7#
98 1.6 0.5 0.7#





#52
Tetrachloroethene
Concen: 0.466 ppbv
RT: 8.218 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

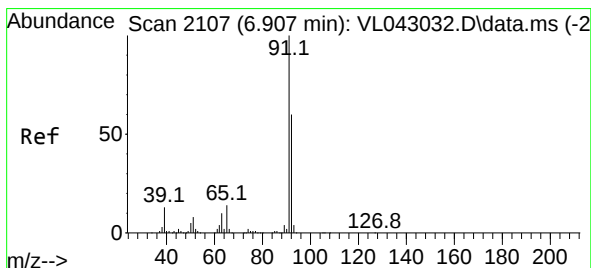
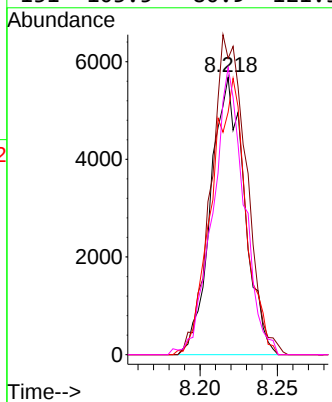
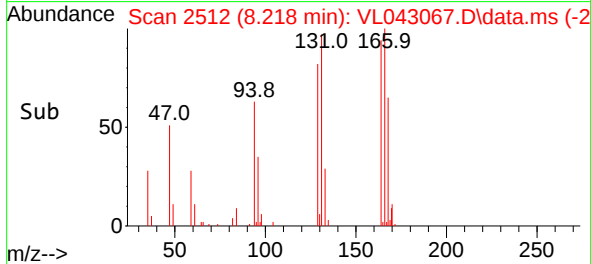
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 856
Ion Ratio Lower Upper
164 100
166 106.8 101.8 152.8
129 87.4 84.5 126.7
131 103.5 80.9 121.3

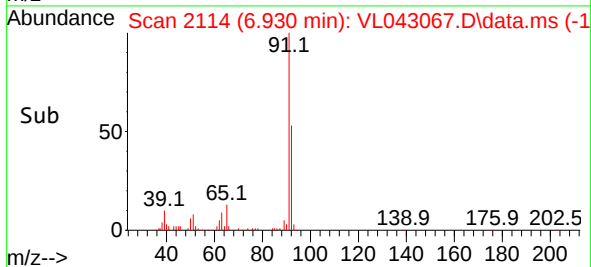
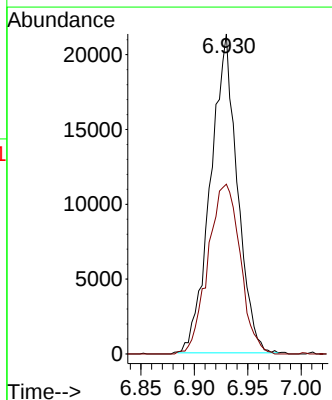
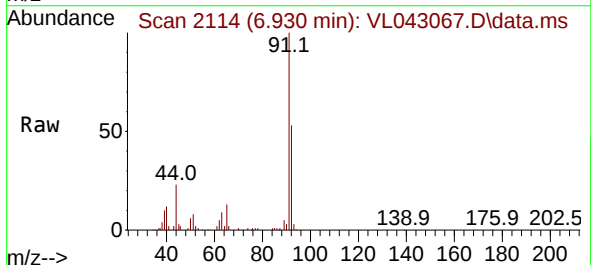
Manual Integrations
APPROVED

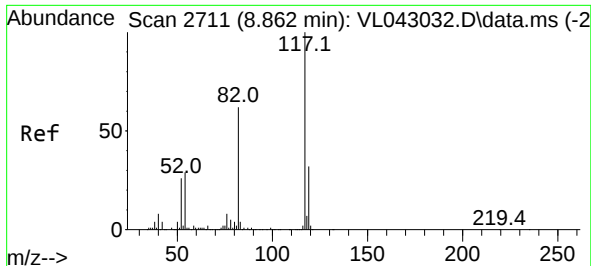
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.743 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.023 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion: 91 Resp: 37247
Ion Ratio Lower Upper
91 100
92 63.8 47.8 71.6





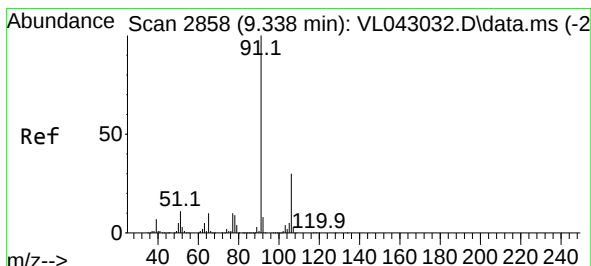
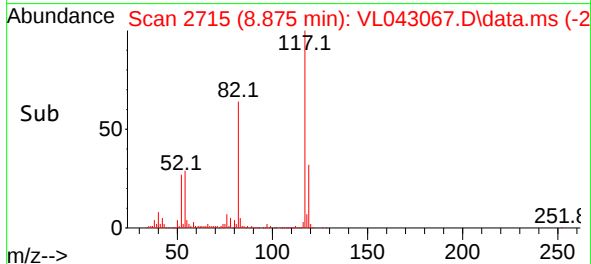
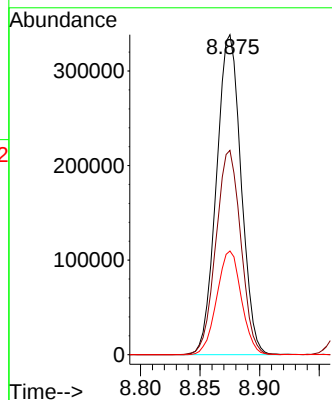
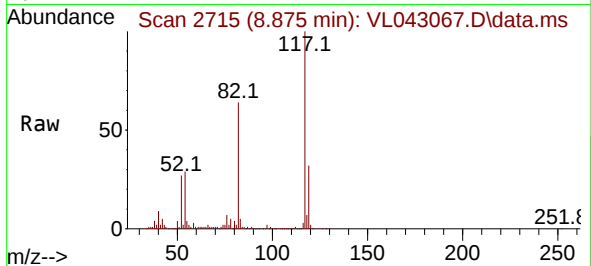
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 48648
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.4 25.4 38.2

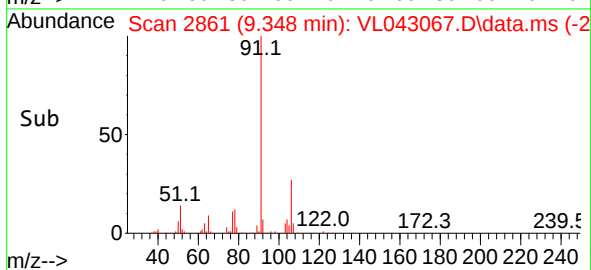
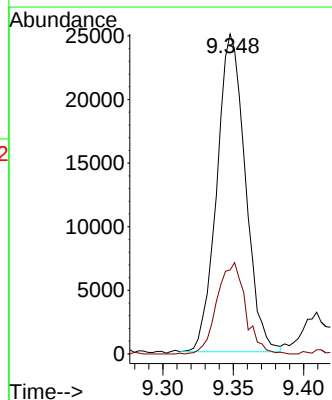
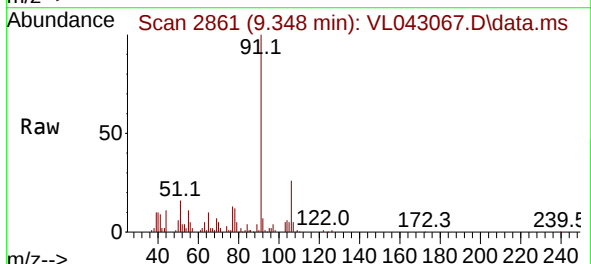
Manual Integrations
APPROVED

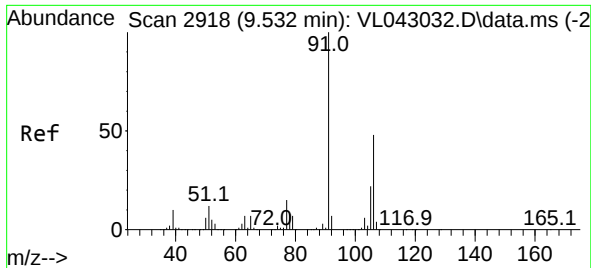
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.467 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.010 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion: 91 Resp: 35188
Ion Ratio Lower Upper
91 100
106 26.2 24.1 36.1





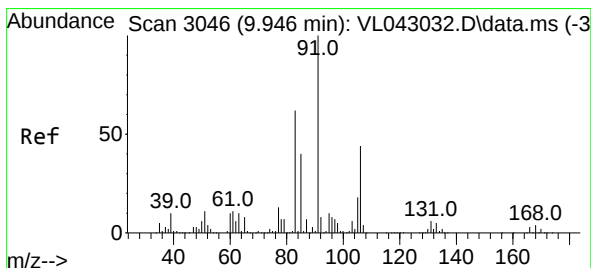
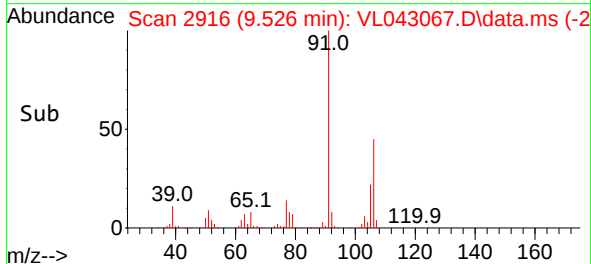
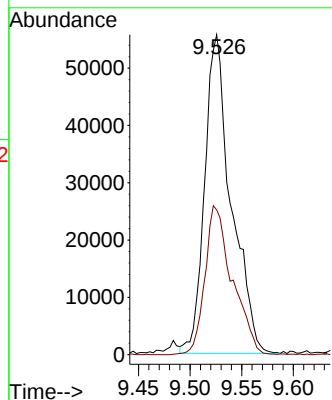
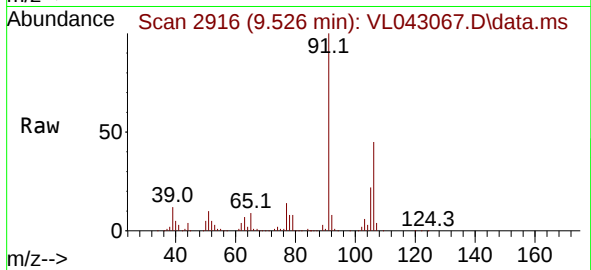
#59
m/p-Xylene
Concen: 1.565 ppbv
RT: 9.526 min Scan# 2918
Delta R.T. -0.006 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 91 Resp: 99454
Ion Ratio Lower Upper
91 100
106 48.3 37.5 56.3

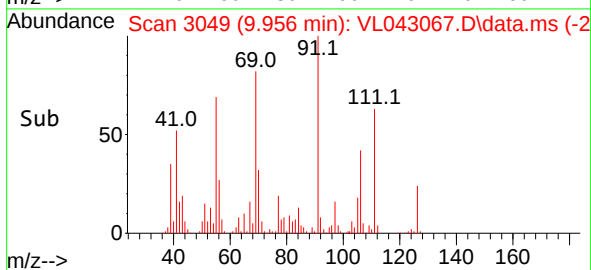
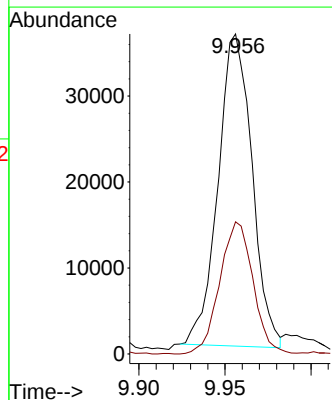
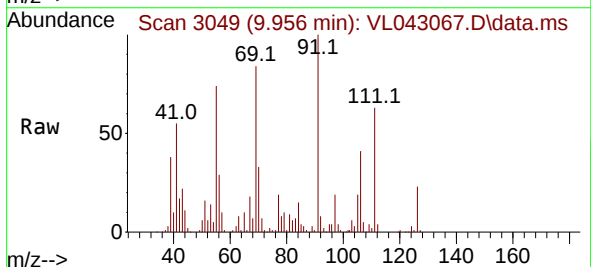
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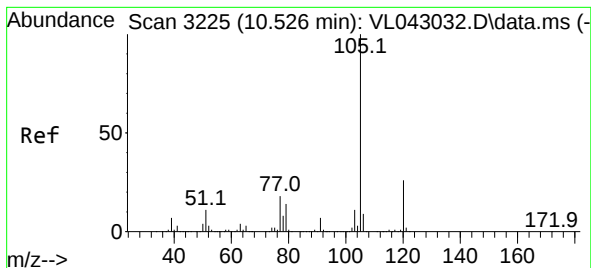
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.788 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion: 91 Resp: 49872
Ion Ratio Lower Upper
91 100
106 41.7 21.9 65.5





#62

Isopropylbenzene

Concen: 0.141 ppbv

RT: 10.536 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL043067.D

Acq: 08 Oct 2025 20:30

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:105 Resp: 1370

Ion Ratio Lower Upper

105 100

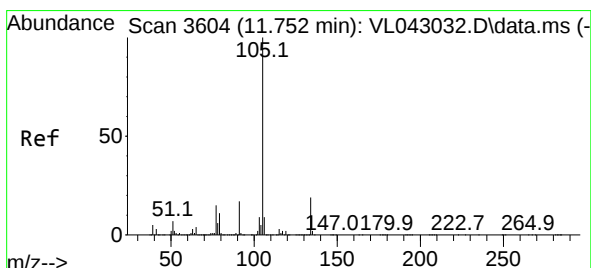
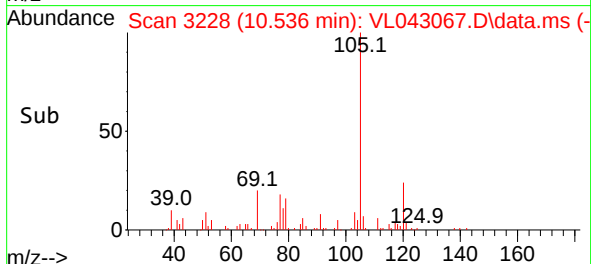
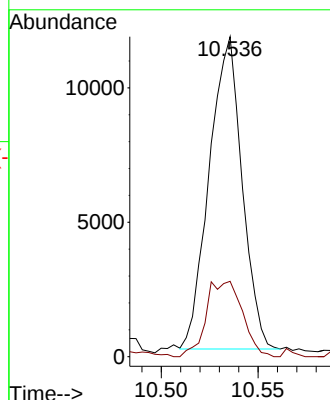
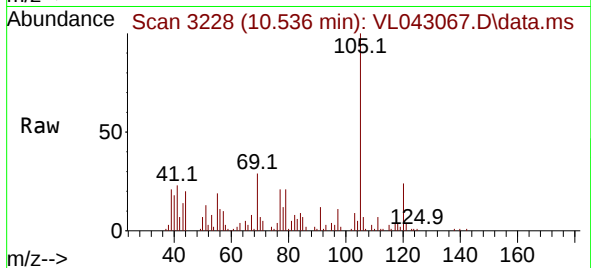
120 27.4 20.6 31.0

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Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#67

sec-Butylbenzene

Concen: 0.161 ppbv

RT: 11.762 min Scan# 3607

Delta R.T. 0.010 min

Lab File: VL043067.D

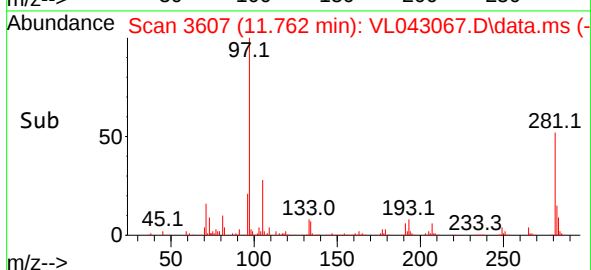
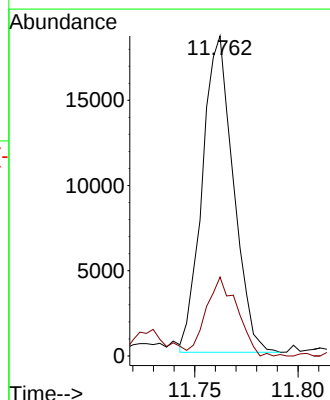
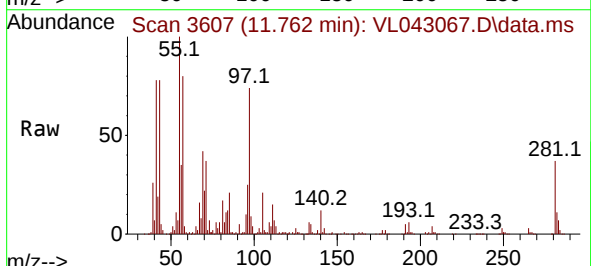
Acq: 08 Oct 2025 20:30

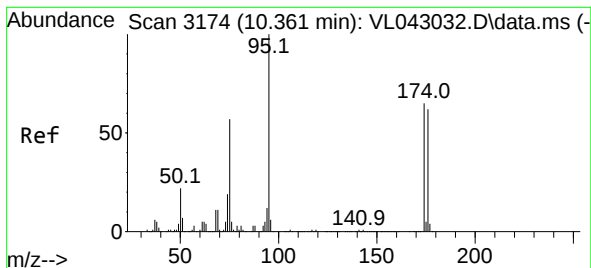
Tgt Ion:105 Resp: 19444

Ion Ratio Lower Upper

105 100

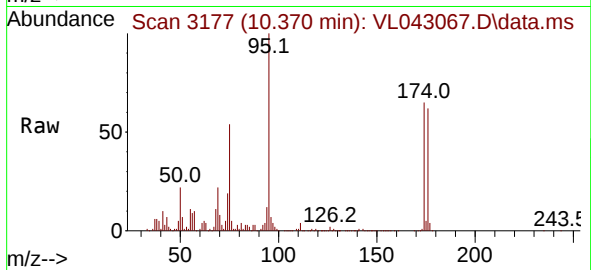
134 35.5 15.2 22.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.339 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

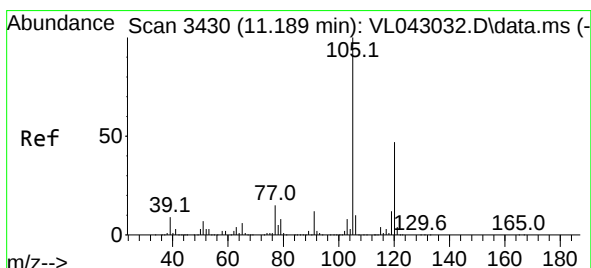
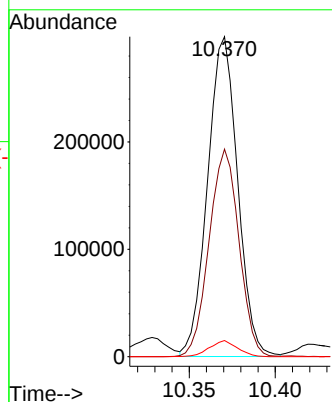
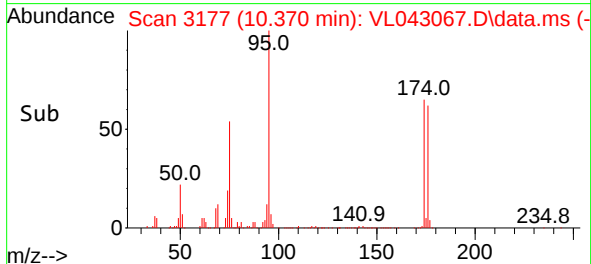
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 362344
Ion Ratio Lower Upper
95 100
174 64.5 52.3 78.5
175 4.7 3.8 5.8

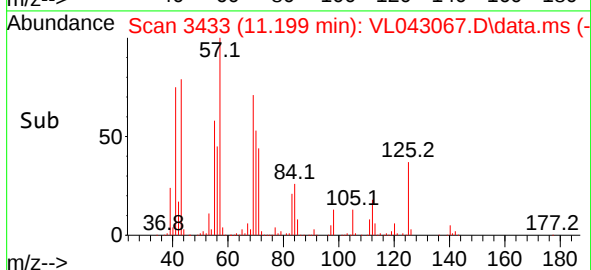
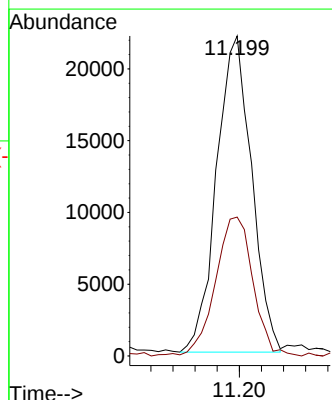
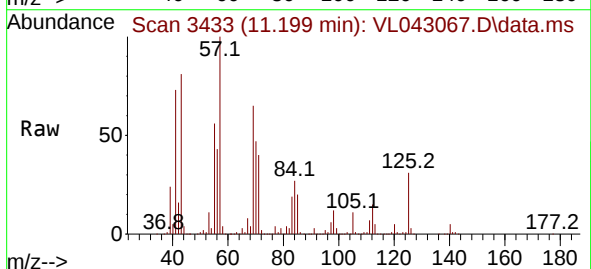
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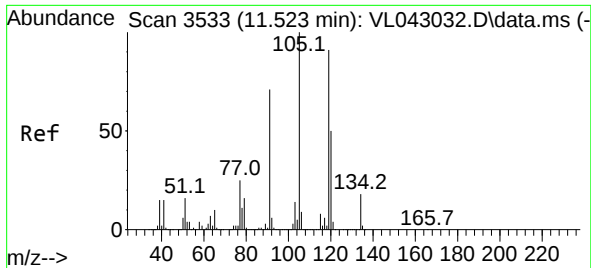
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.372 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.010 min
Lab File: VL043067.D
Acq: 08 Oct 2025 20:30

Tgt Ion:105 Resp: 24240
Ion Ratio Lower Upper
105 100
120 43.0 37.5 56.3





#74
 1,2,4-Trimethylbenzene
 Concen: 0.533 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. 0.007 min
 Lab File: VL043067.D
 Acq: 08 Oct 2025 20:30

Instrument : MSVOA_L
 ClientSampleId : SV1

Tgt Ion:	105	Resp:	39190
Ion	Ratio	Lower	Upper
105	100		
120	43.7	39.7	59.5
91	12.7	56.5	84.7
77	10.1	19.9	29.9

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Reviewed By :Semsettin Yesilyurt 10/09/2025
 Supervised By :Mahesh Dadoda 10/10/2025

