

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043066.D
 Acq On : 08 Oct 2025 19:57
 Operator : SY/MD
 Sample : Q3306-04 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 01:21:16 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-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	2.794	49	197688	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	519007	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.875	117	480524	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	361719	10.449	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.489	85	3444	0.103	ppbv	100
9) Propene	1.473	41	6977m	0.537	ppbv	
10) Heptane	4.978	43	11369m	0.356	ppbv	
13) Ethanol	1.722	45	3255m	5.642	ppbv	
15) Acetone	1.842	43	20002	0.723	ppbv	95
20) Methylene Chloride	2.072	84	9615	0.796	ppbv	91
26) Hexane	2.836	57	109536	4.101	ppbv #	35
29) Chloroform	2.855	83	14318	0.314	ppbv	90
52) Tetrachloroethene	8.218	164	4990m	0.272	ppbv	
53) Toluene	6.930	91	36696	0.733	ppbv	98
58) Ethyl Benzene	9.348	91	20269	0.272	ppbv #	87
59) m/p-Xylene	9.523	91	49102	0.782	ppbv	100
60) o-Xylene	9.956	91	27516	0.440	ppbv	99
74) 1,2,4-Trimethylbenzene	11.529	105	13609	0.187	ppbv #	53

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

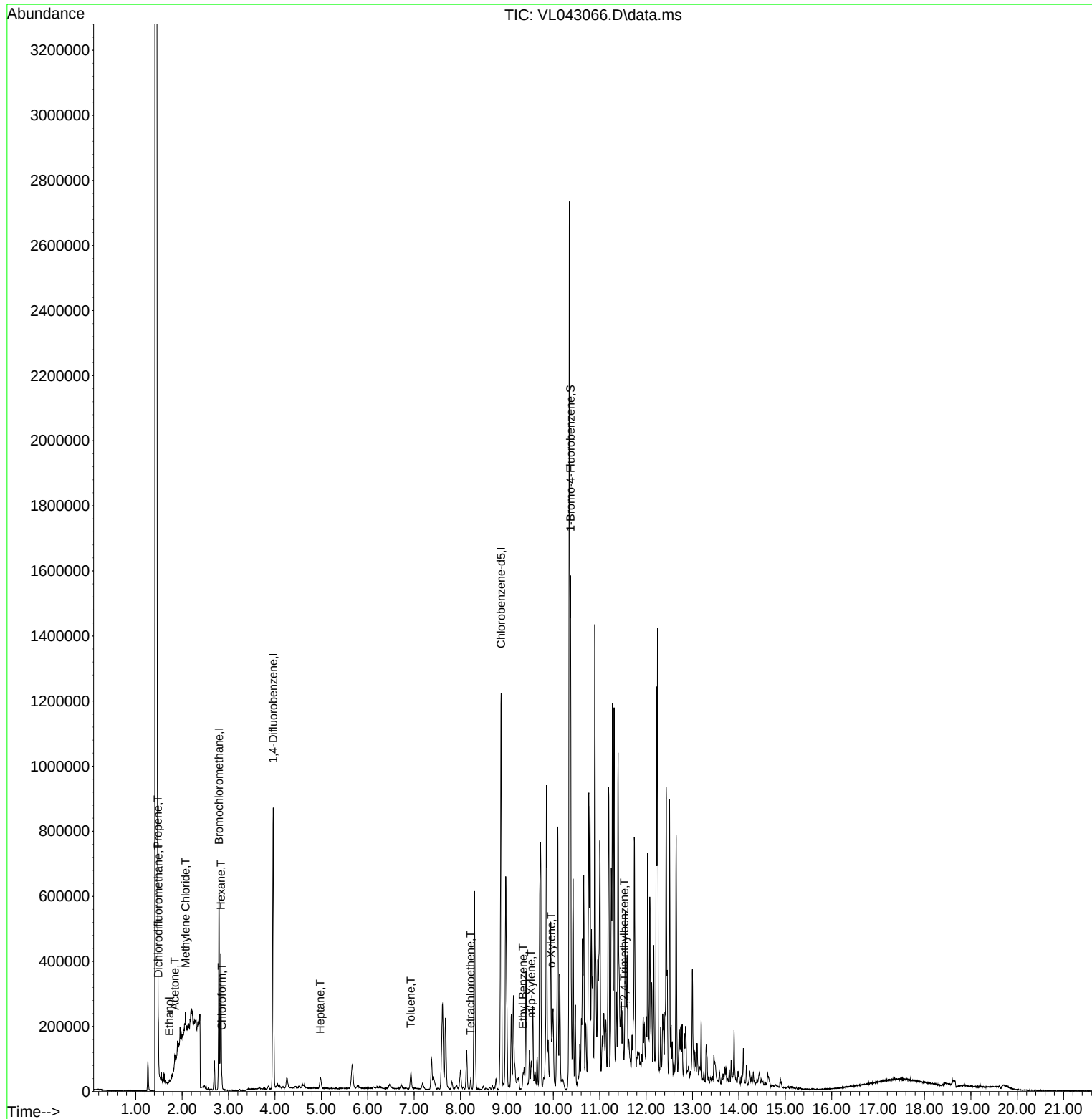
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
Data File : VL043066.D
Acq On : 08 Oct 2025 19:57
Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

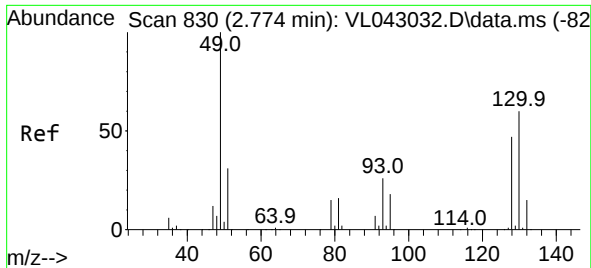
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Oct 09 01:21:16 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

Manual Integrations
APPROVED

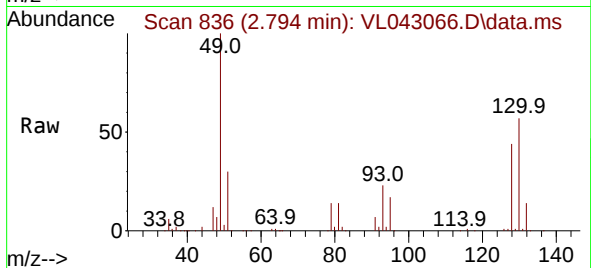
Reviewed By : Semsettin Yesilyurt 10/09/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.020 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

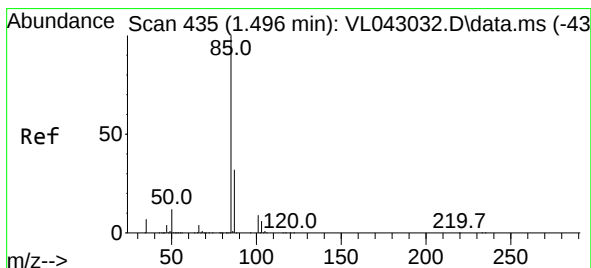
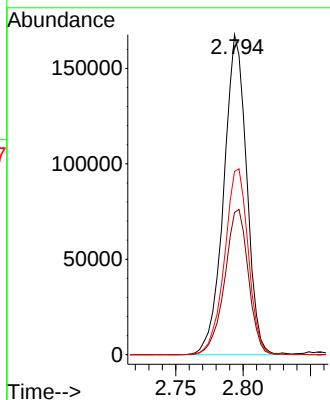
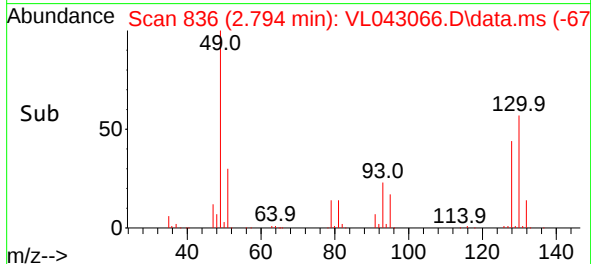
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 49 Resp: 19768
Ion Ratio Lower Upper
49 100
128 47.1 24.1 72.2
130 60.5 31.4 94.3

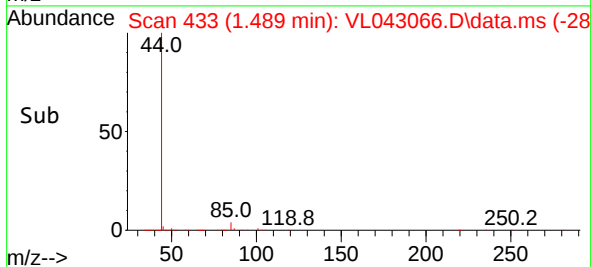
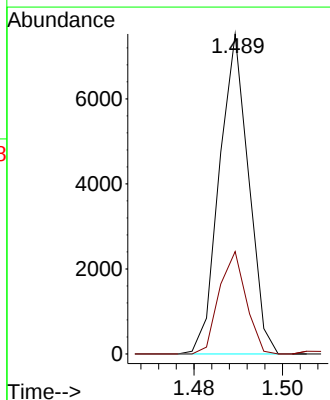
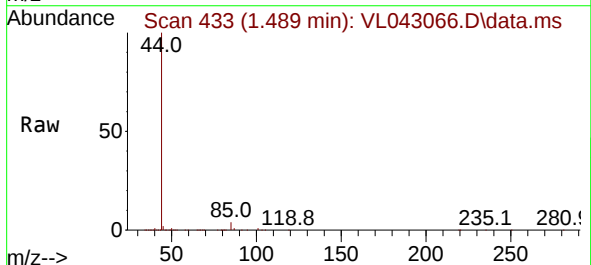
Manual Integrations
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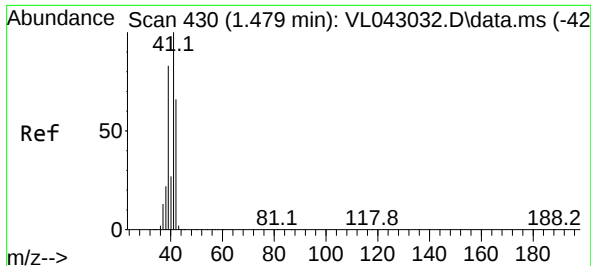
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.103 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.006 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

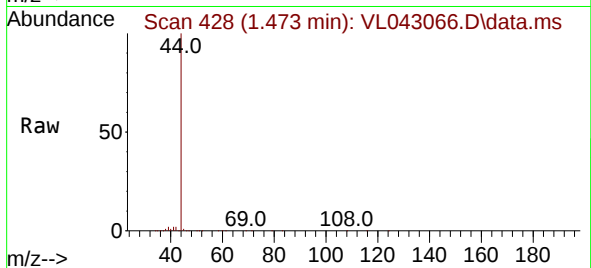
Tgt Ion: 85 Resp: 3444
Ion Ratio Lower Upper
85 100
87 32.0 25.8 38.6





#9
Propene
Concen: 0.537 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

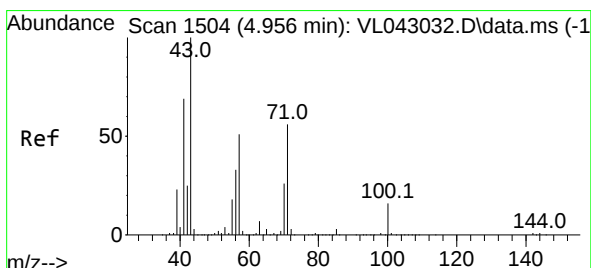
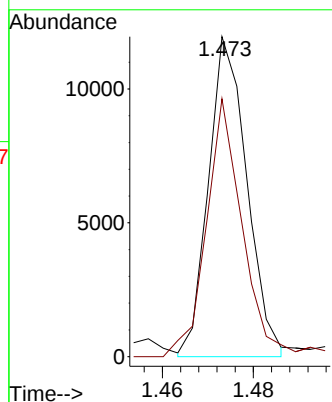
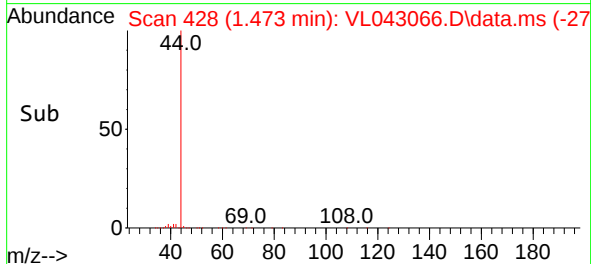
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 41 Resp: 697
Ion Ratio Lower Upper
41 100
42 0.0 53.3 79.9

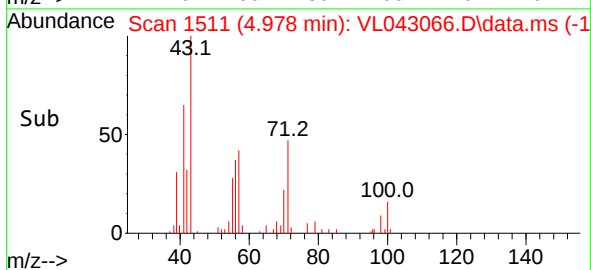
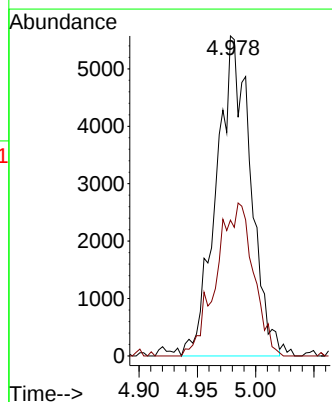
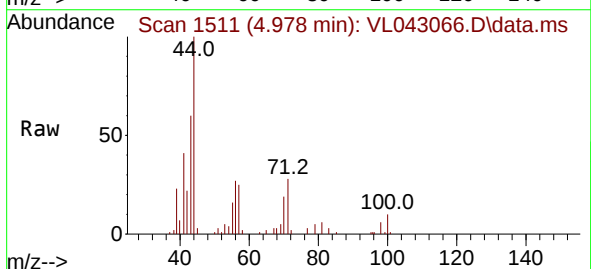
Manual Integrations
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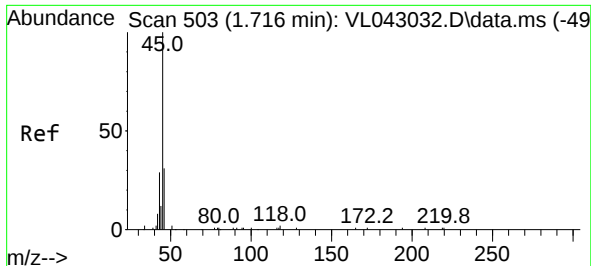
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#10
Heptane
Concen: 0.356 ppbv m
RT: 4.978 min Scan# 1511
Delta R.T. 0.023 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

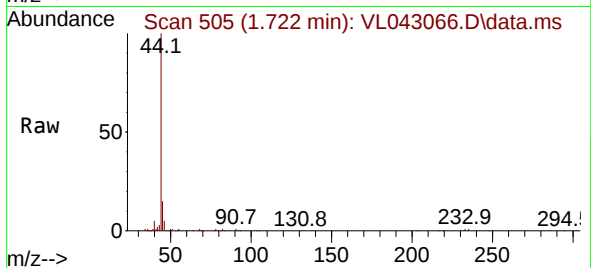
Tgt Ion: 43 Resp: 11369
Ion Ratio Lower Upper
43 100
57 51.9 40.3 60.5





#13
Ethanol
Concen: 5.642 ppbv m
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

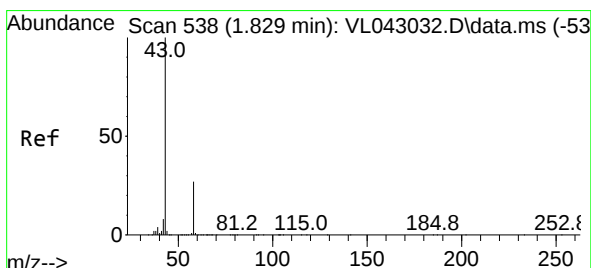
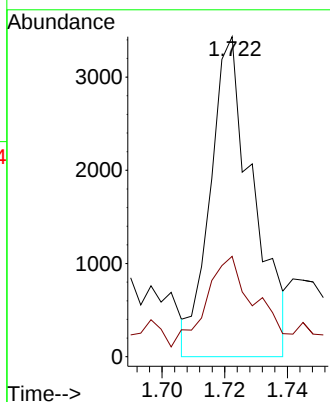
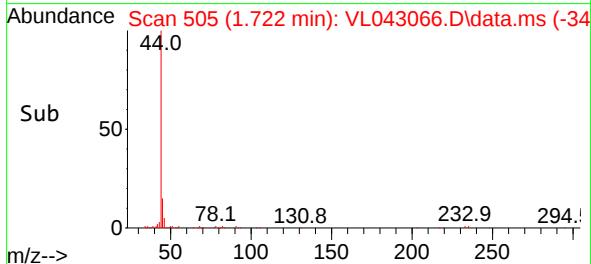
Instrument :
MSVOA_L
ClientSampleId :
SV2



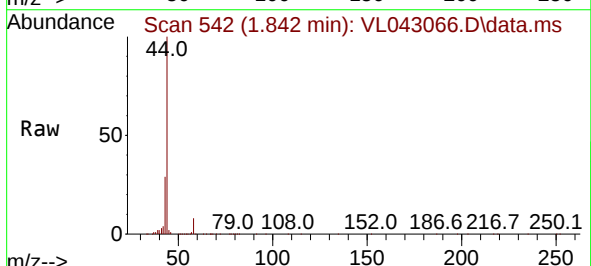
Tgt Ion: 45 Resp: 325
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

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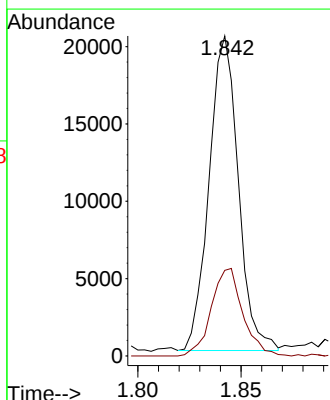
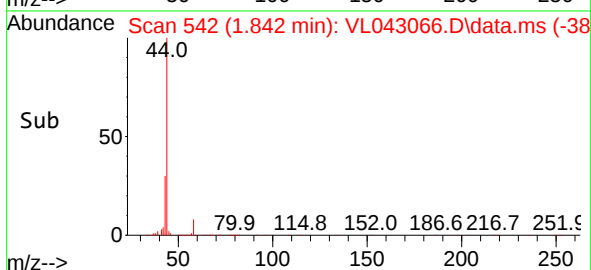
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

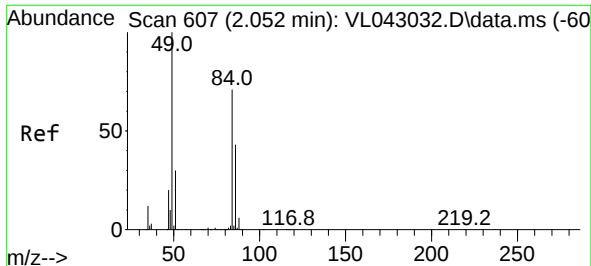


#15
Acetone
Concen: 0.723 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.013 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57



Tgt Ion: 43 Resp: 20002
Ion Ratio Lower Upper
43 100
58 30.2 22.2 33.4





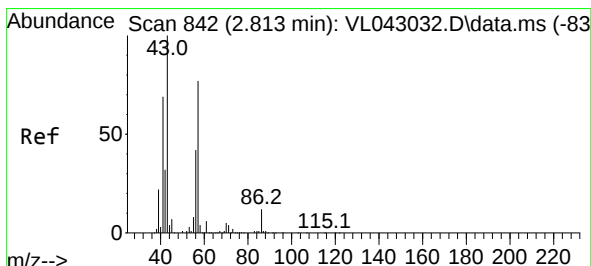
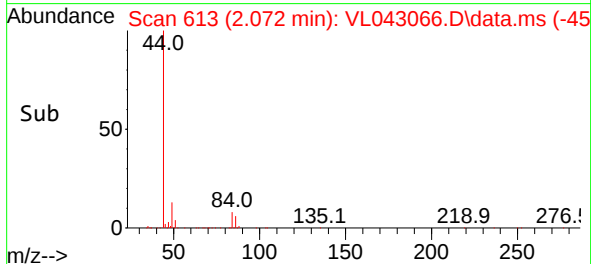
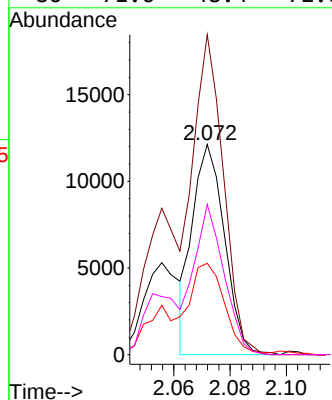
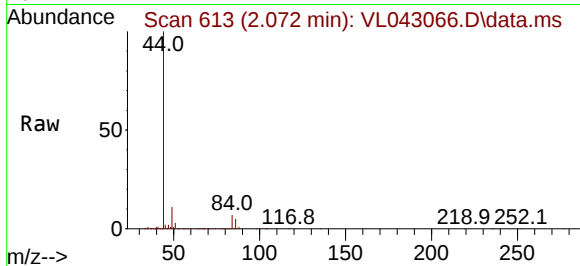
#20
Methylene Chloride
Concen: 0.796 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.020 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 84 Resp: 961
Ion Ratio Lower Upper
84 100
49 151.8 112.5 168.7
51 41.7 34.2 51.2
86 71.6 48.4 72.6

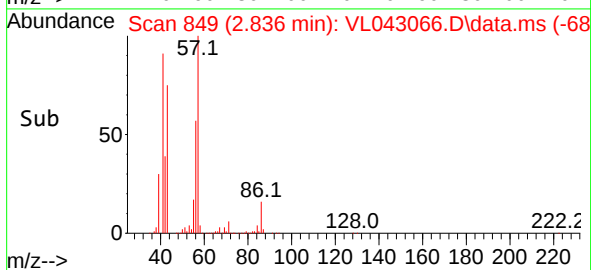
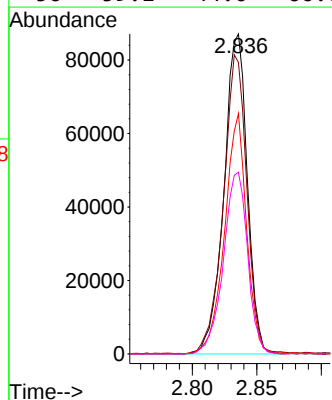
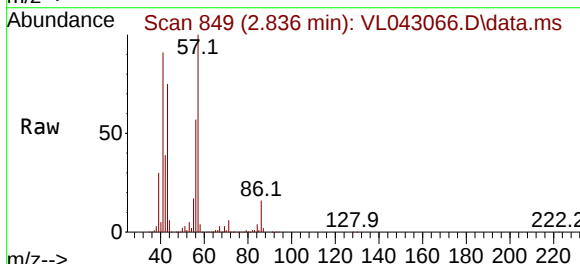
Manual Integrations
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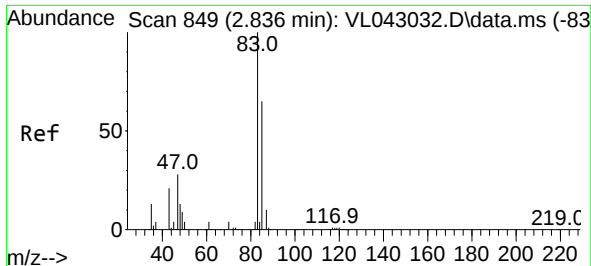
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 4.101 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.023 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

Tgt Ion: 57 Resp: 109536
Ion Ratio Lower Upper
57 100
41 94.5 76.1 114.1
43 71.2 201.4 302.0#
56 59.1 44.0 66.0





#29

Chloroform

Concen: 0.314 ppbv

RT: 2.855 min Scan# 849

Delta R.T. 0.020 min

Lab File: VL043066.D

Acq: 08 Oct 2025 19:57

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 14318

Ion Ratio Lower Upper

83 100

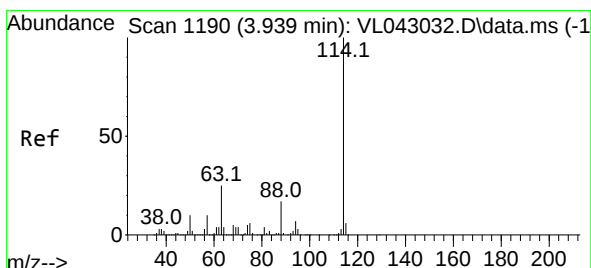
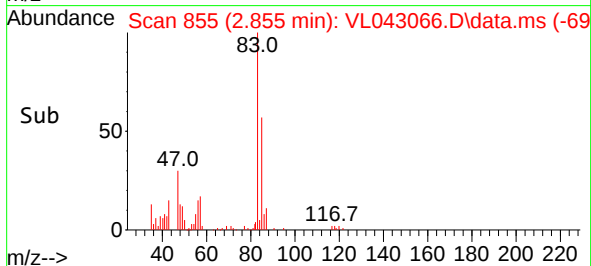
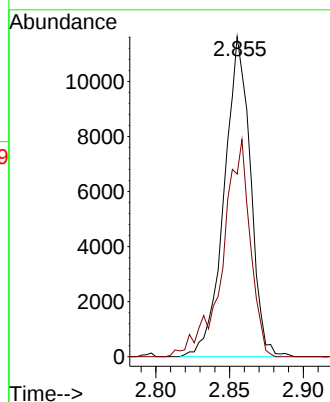
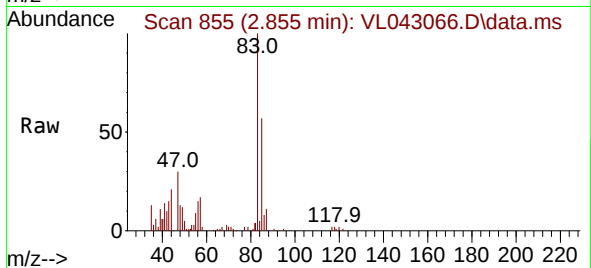
85 57.0 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.023 min

Lab File: VL043066.D

Acq: 08 Oct 2025 19:57

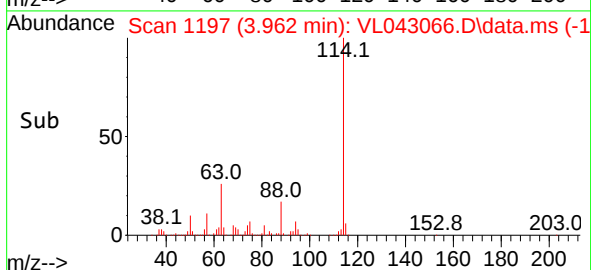
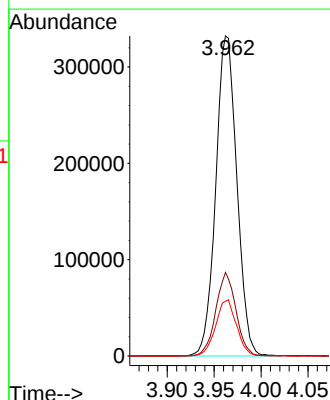
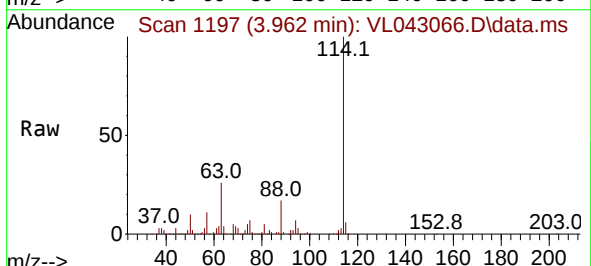
Tgt Ion:114 Resp: 519007

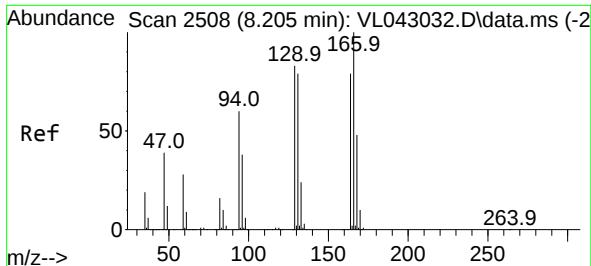
Ion Ratio Lower Upper

114 100

63 25.1 19.4 29.2

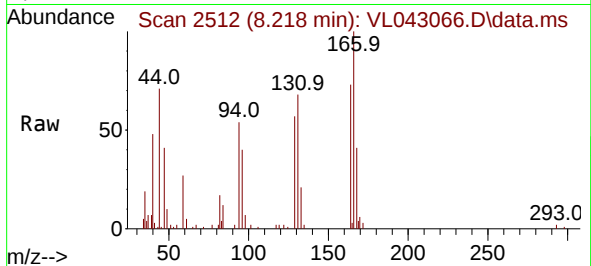
88 17.4 13.9 20.9





#52
Tetrachloroethene
Concen: 0.272 ppbv m
RT: 8.218 min Scan# 2114
Delta R.T. 0.013 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

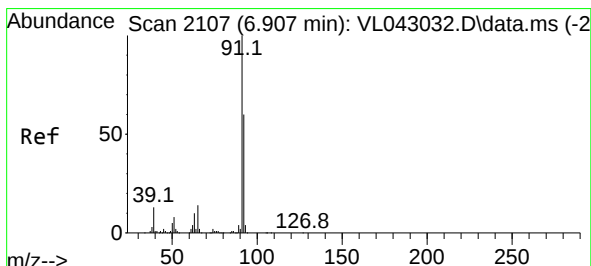
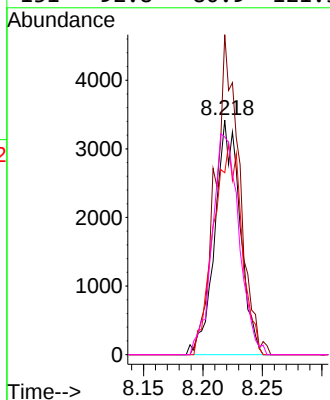
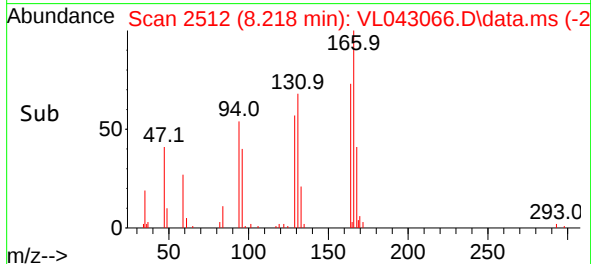
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:164 Resp: 4990
Ion Ratio Lower Upper
164 100
166 136.4 101.8 152.8
129 77.6 84.5 126.7
131 92.8 80.9 121.3

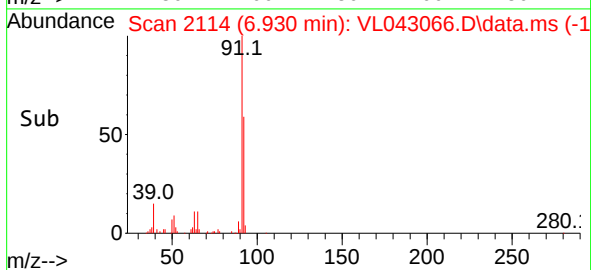
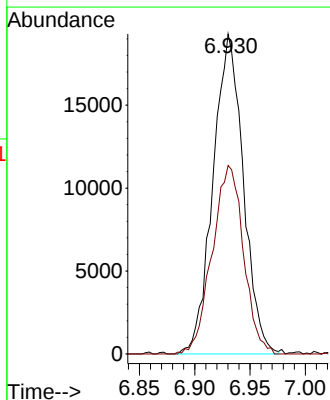
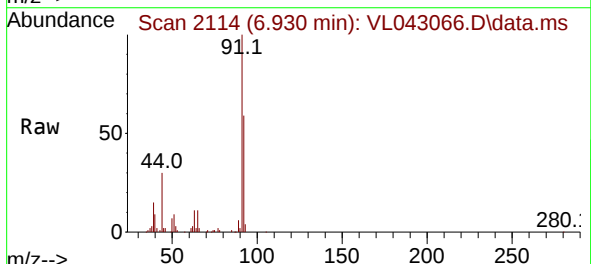
Manual Integrations
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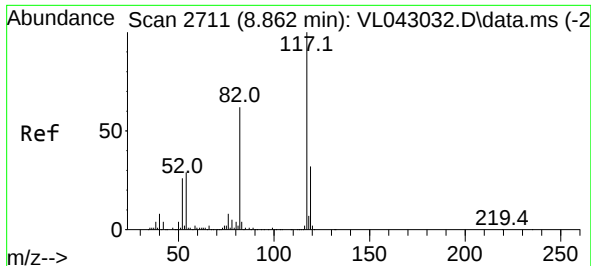
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#53
Toluene
Concen: 0.733 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.023 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

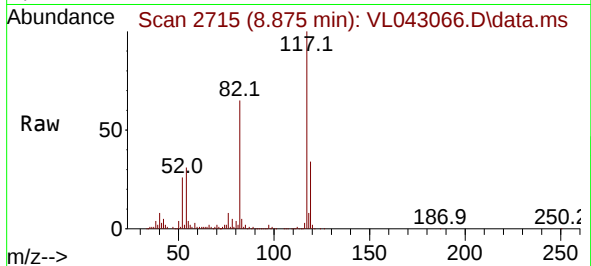
Tgt Ion: 91 Resp: 36696
Ion Ratio Lower Upper
91 100
92 60.9 47.8 71.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

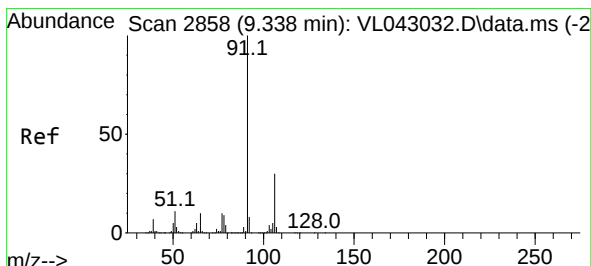
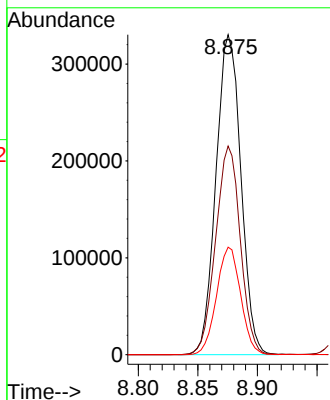
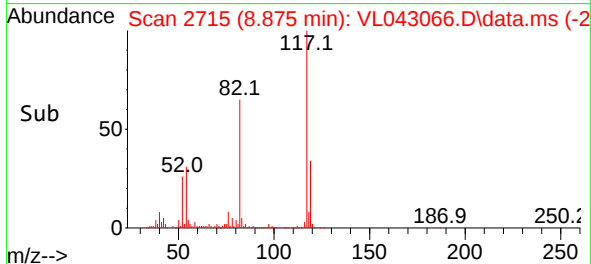
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:117 Resp: 480524
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.6 25.4 38.2

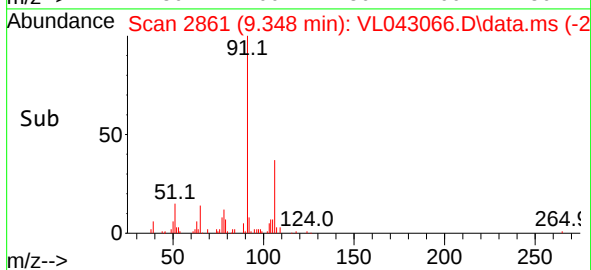
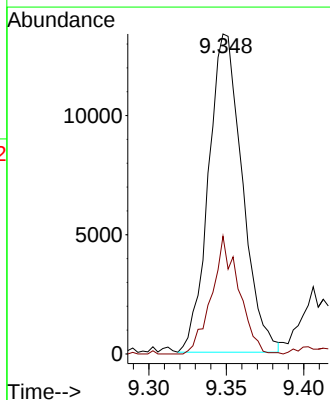
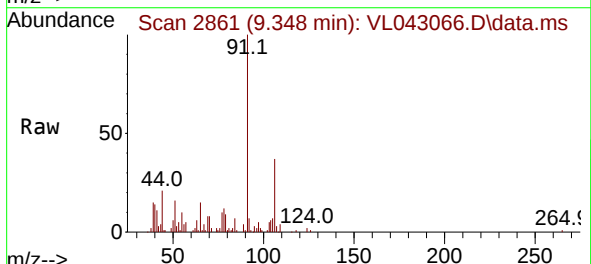
Manual Integrations
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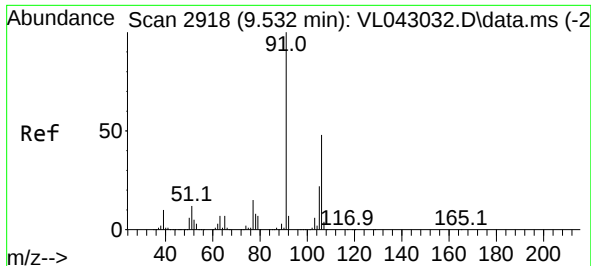
Reviewed By :Semsettin Yesilyurt 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.272 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.010 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

Tgt Ion: 91 Resp: 20269
Ion Ratio Lower Upper
91 100
106 37.0 24.1 36.1#





#59

m/p-Xylene

Concen: 0.782 ppbv

RT: 9.523 min Scan# 2918

Delta R.T. -0.009 min

Lab File: VL043066.D

Acq: 08 Oct 2025 19:57

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 91 Resp: 4910

Ion Ratio Lower Upper

91 100

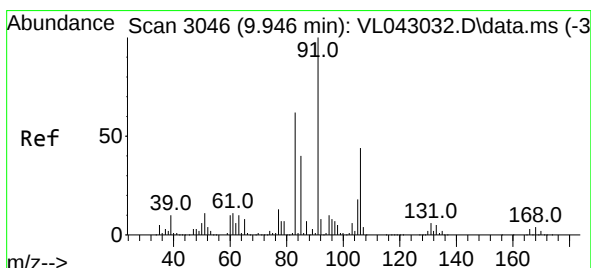
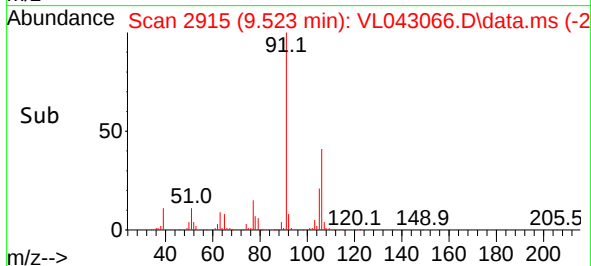
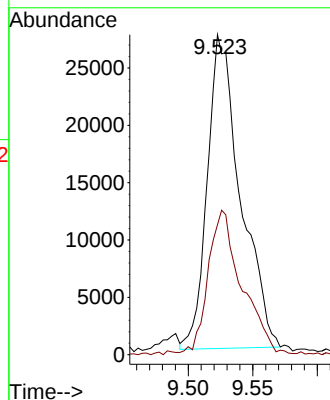
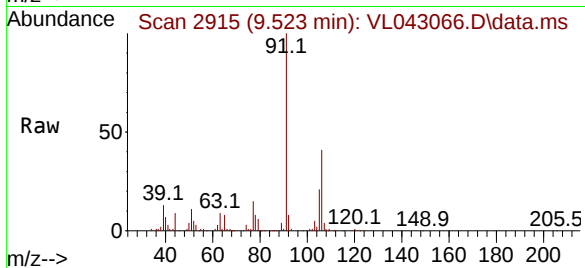
106 46.6 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/09/2025

Supervised By :Mahesh Dadoda 10/10/2025



#60

o-Xylene

Concen: 0.440 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043066.D

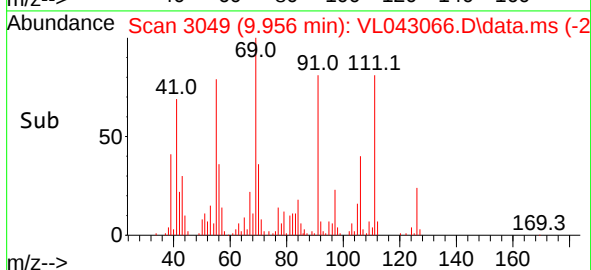
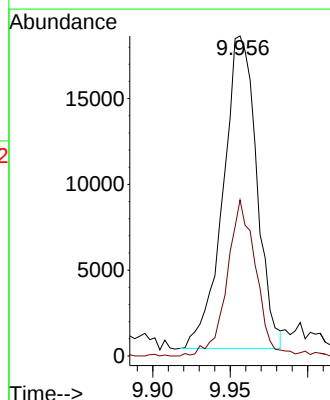
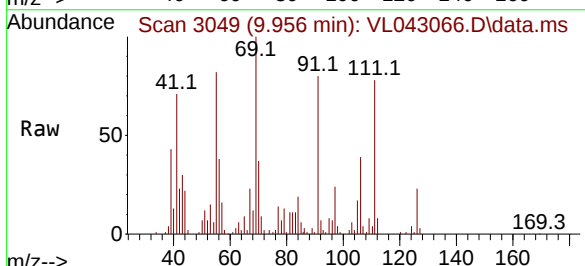
Acq: 08 Oct 2025 19:57

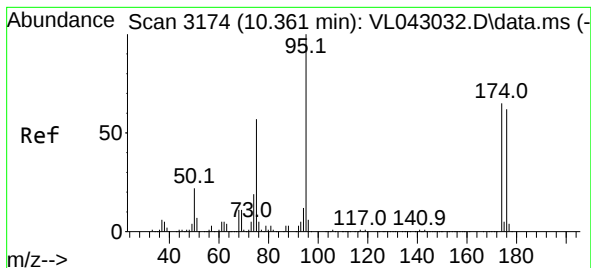
Tgt Ion: 91 Resp: 27516

Ion Ratio Lower Upper

91 100

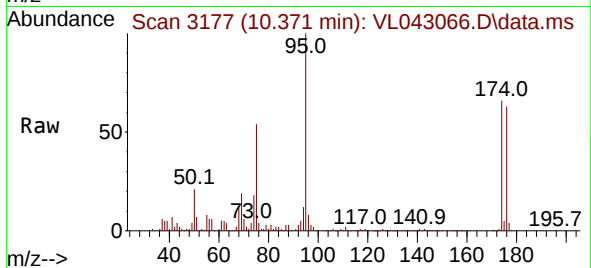
106 43.3 21.9 65.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.449 ppbv
RT: 10.371 min Scan# 3174
Delta R.T. 0.010 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57

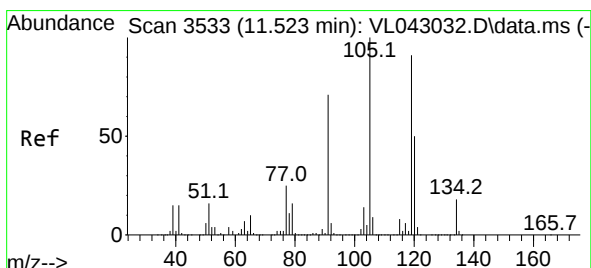
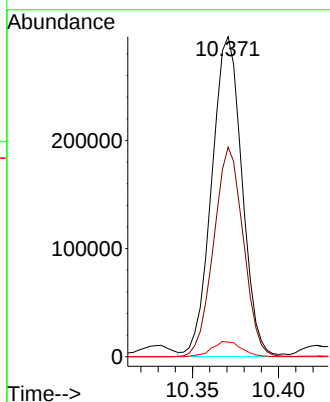
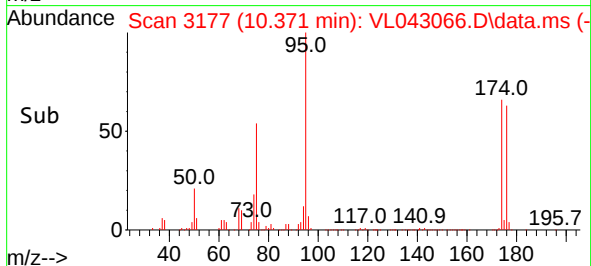
Instrument :
MSVOA_L
ClientSampleId :
SV2



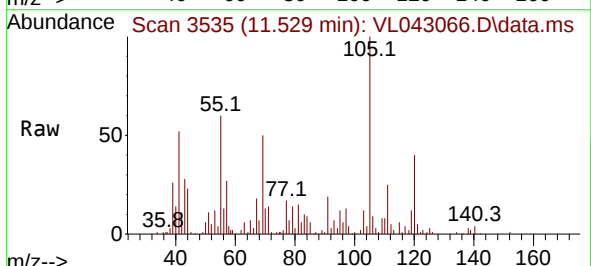
Tgt Ion: 95 Resp: 361719
Ion Ratio Lower Upper
95 100
174 64.4 52.3 78.5
175 4.7 3.8 5.8

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.187 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.007 min
Lab File: VL043066.D
Acq: 08 Oct 2025 19:57



Tgt Ion:105 Resp: 13609
Ion Ratio Lower Upper
105 100
120 41.1 39.7 59.5
91 9.2 56.5 84.7#
77 5.7 19.9 29.9#

