

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042964.D
 Acq On : 22 Sep 2025 19:14
 Operator : SY/MD
 Sample : Q3112-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Sep 23 02:54:20 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

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	158850	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	479932	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.888	117	425185	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	320799	10.107	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	2520	0.118	ppbv	99
4) Chloromethane	1.535	50	1092	0.113	ppbv	90
9) Propene	1.486	41	2011m	0.174	ppbv	
11) Trichlorofluoromethane	1.881	101	11680	0.567	ppbv	95
13) Ethanol	1.725	45	5193	4.621	ppbv #	35
15) Acetone	1.839	43	117056	5.658	ppbv	96
19) Isopropyl Alcohol	1.891	45	8822	0.709	ppbv #	1
20) Methylene Chloride	2.065	84	281379	48.174	ppbv	98
26) Hexane	2.832	57	369938	15.520	ppbv #	40
34) 2-Butanone	2.567	43	3865m	0.115	ppbv	
53) Toluene	6.946	91	8319	0.156	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	6358	0.103	ppbv #	65

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

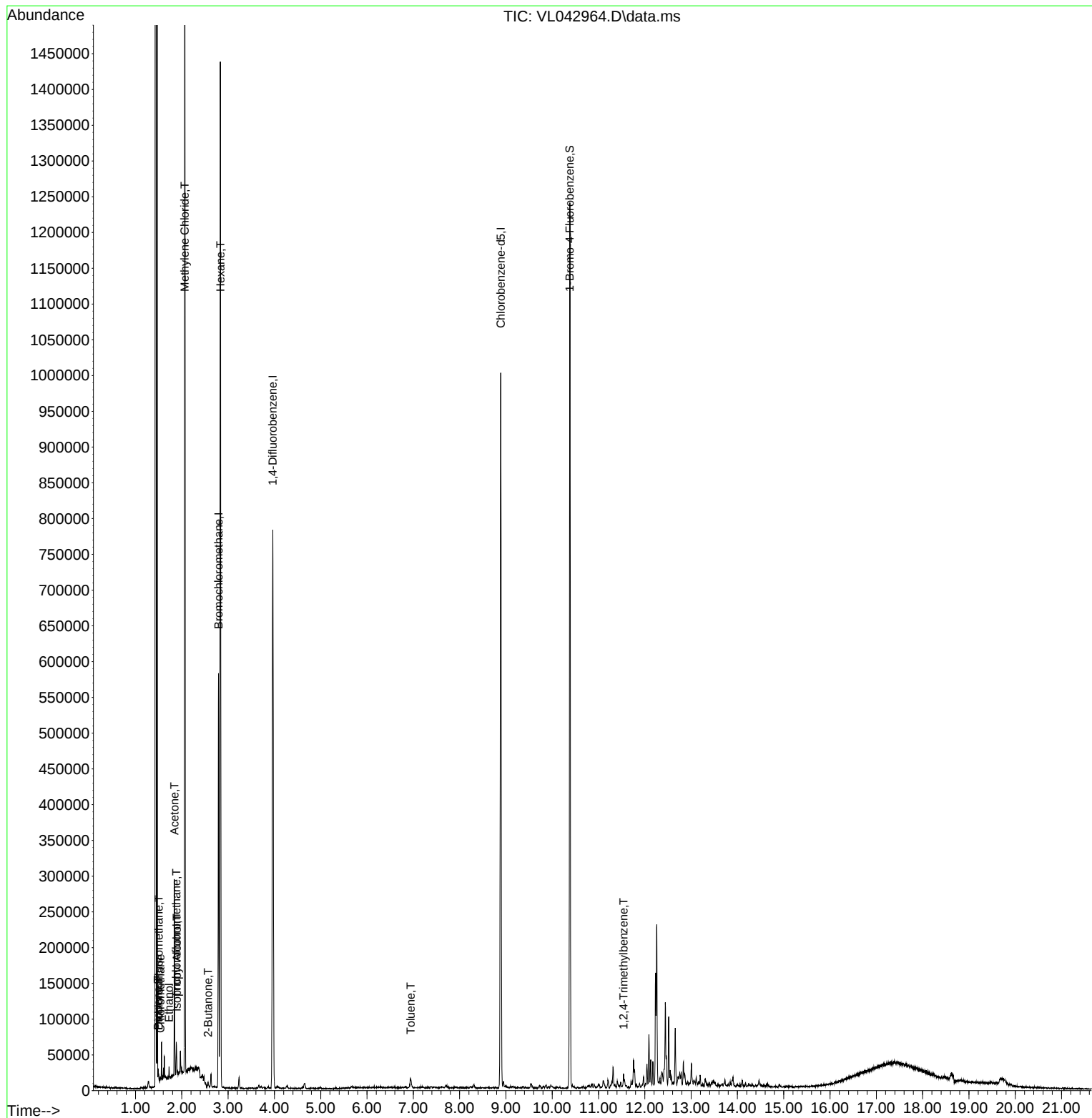
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042964.D
Acq On : 22 Sep 2025 19:14
Operator : SY/MD
Sample : Q3112-02 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

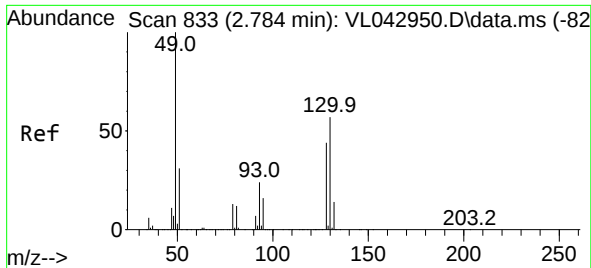
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Sep 23 02:54:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

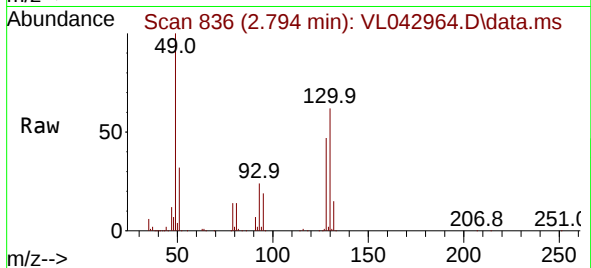
Reviewed By : Semsettin Yesilyurt 09/23/2025
Supervised By : Mahesh Dadoda 09/24/2025





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL042964.D
 Acq: 22 Sep 2025 19:14

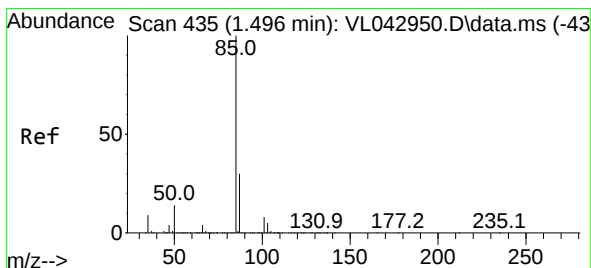
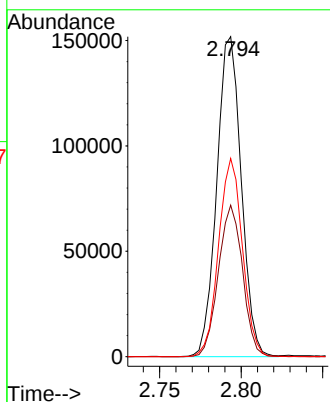
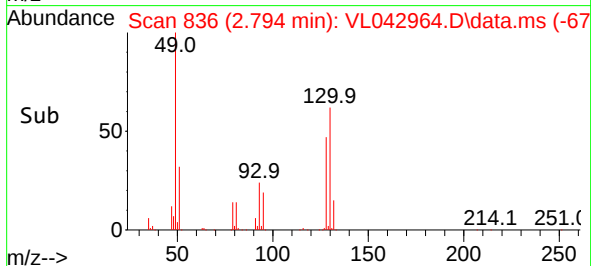
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt Ion: 49 Resp: 158850
 Ion Ratio Lower Upper
 49 100
 128 46.6 22.9 68.8
 130 60.2 29.1 87.3

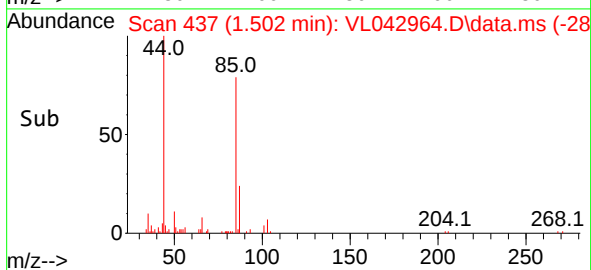
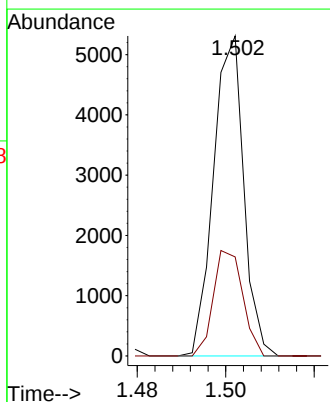
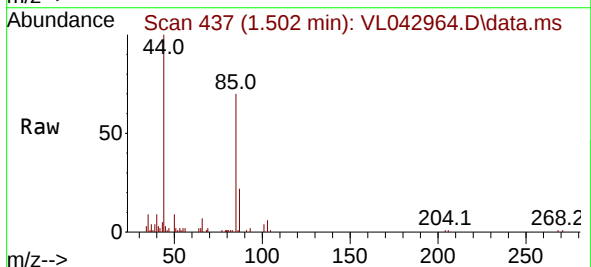
Manual Integrations
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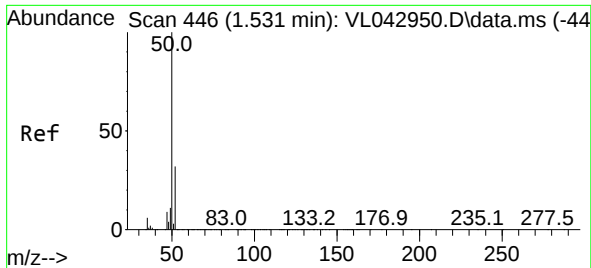
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025



#2
 Dichlorodifluoromethane
 Concen: 0.118 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.006 min
 Lab File: VL042964.D
 Acq: 22 Sep 2025 19:14

Tgt Ion: 85 Resp: 2520
 Ion Ratio Lower Upper
 85 100
 87 31.0 24.3 36.5





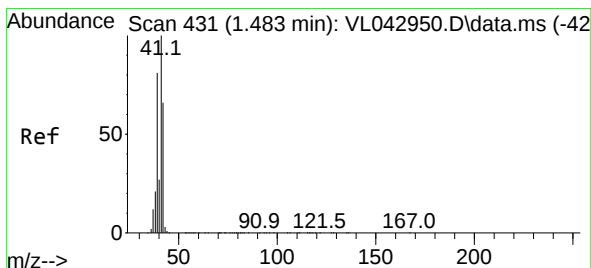
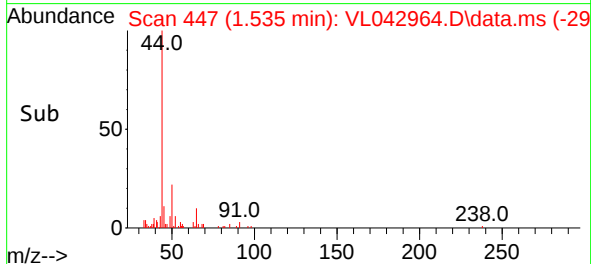
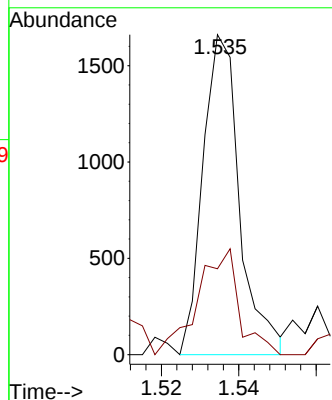
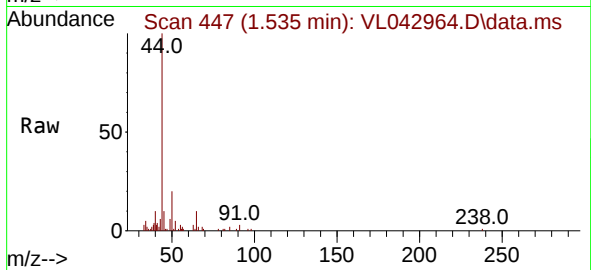
#4
Chloromethane
Concen: 0.113 ppbv
RT: 1.535 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 50 Resp: 1092
Ion Ratio Lower Upper
50 100
52 26.9 25.9 38.9

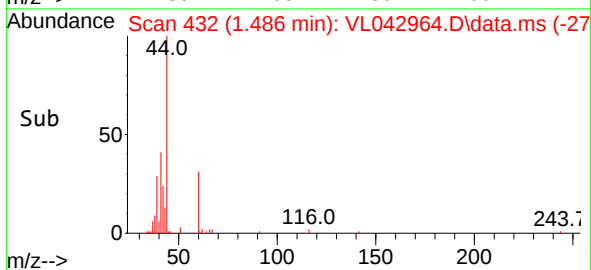
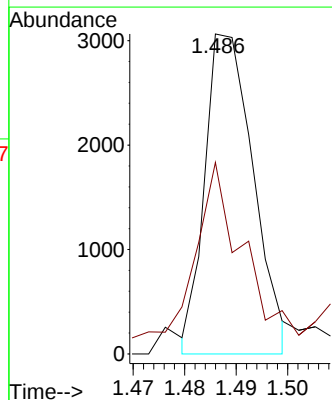
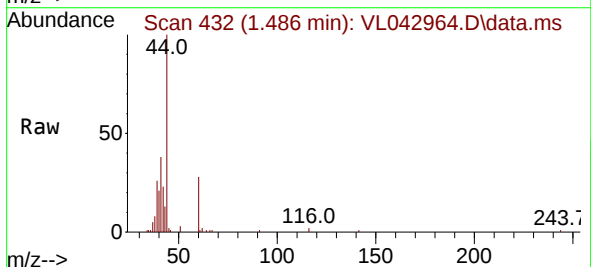
Manual Integrations
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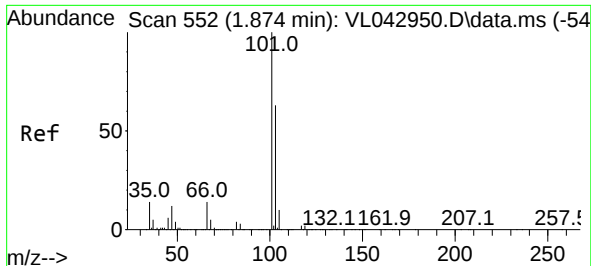
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#9
Propene
Concen: 0.174 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

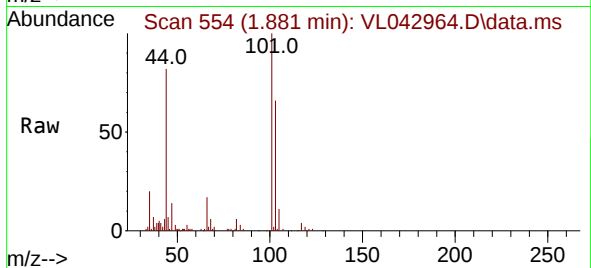
Tgt Ion: 41 Resp: 2011
Ion Ratio Lower Upper
41 100
42 40.0 57.4 86.2#





#11
Trichlorofluoromethane
Concen: 0.567 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

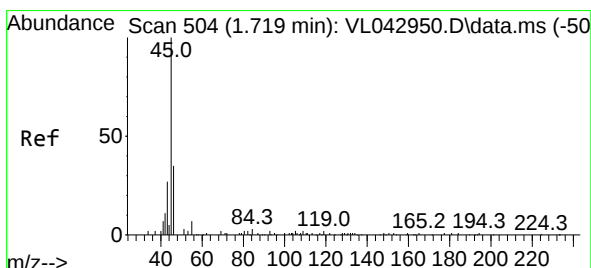
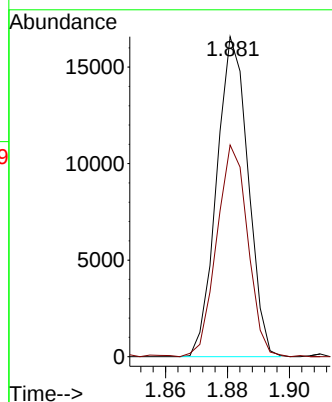
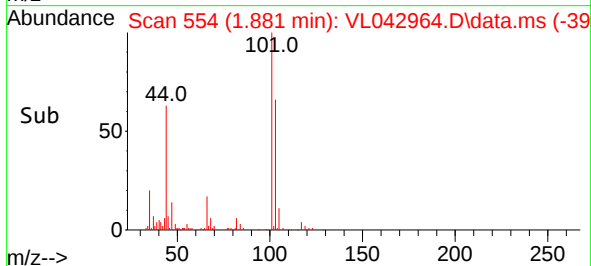
Instrument :
MSVOA_L
ClientSampleId :
SV2



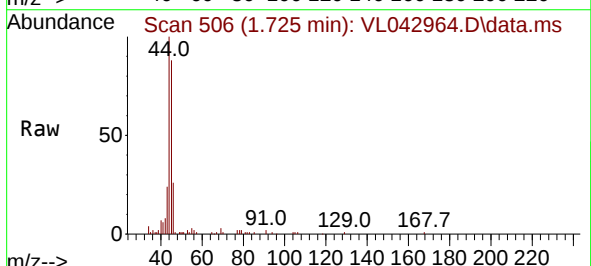
Tgt Ion:101 Resp: 11680
Ion Ratio Lower Upper
101 100
103 66.1 50.1 75.1

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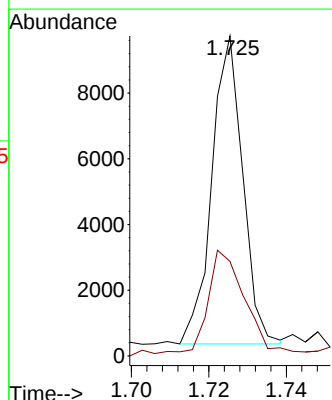
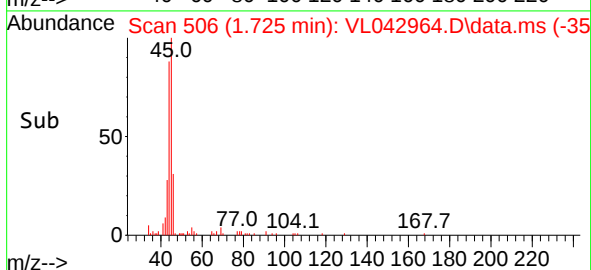
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

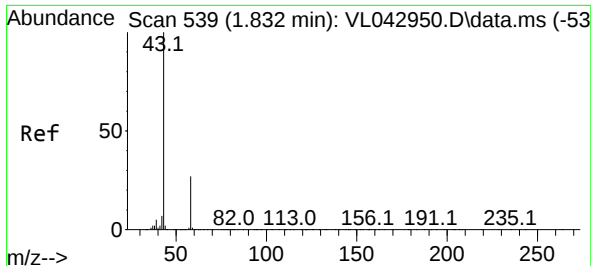


#13
Ethanol
Concen: 4.621 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14



Tgt Ion: 45 Resp: 5193
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.6#





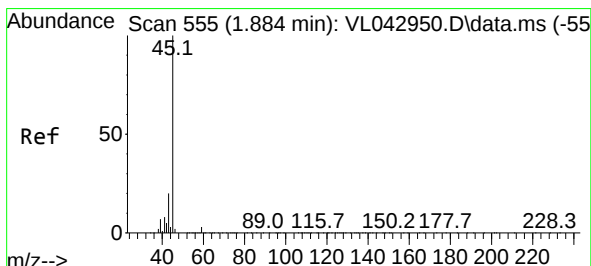
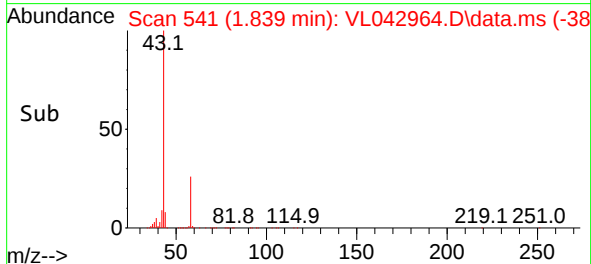
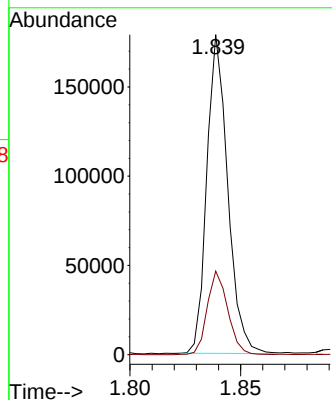
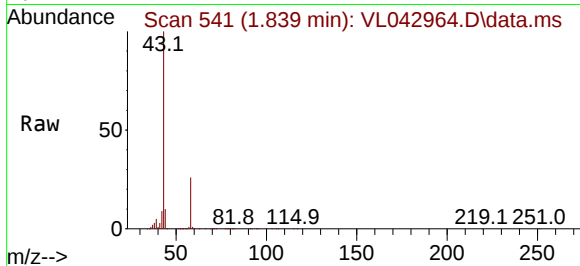
#15
Acetone
Concen: 5.658 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 117050
Ion Ratio Lower Upper
43 100
58 25.9 22.3 33.5

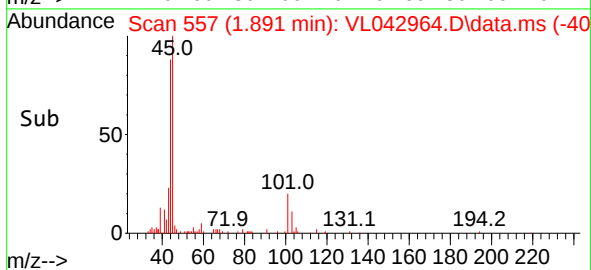
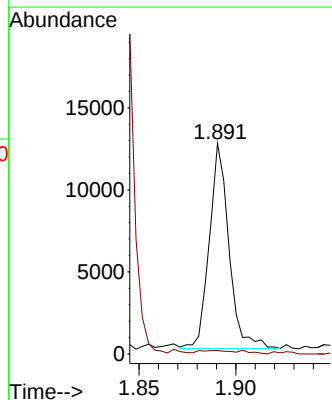
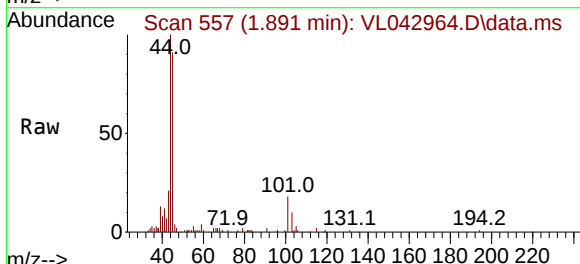
Manual Integrations
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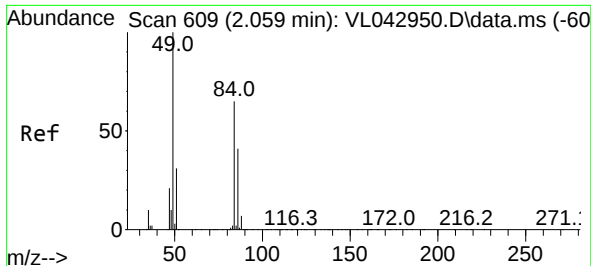
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#19
Isopropyl Alcohol
Concen: 0.709 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

Tgt Ion: 45 Resp: 8822
Ion Ratio Lower Upper
45 100
58 343.3 31.0 46.6#





#20

Methylene Chloride

Concen: 48.174 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042964.D

Acq: 22 Sep 2025 19:14

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 84 Resp: 281379

Ion Ratio Lower Upper

84 100

49 158.2 124.1 186.1

51 48.0 39.8 59.8

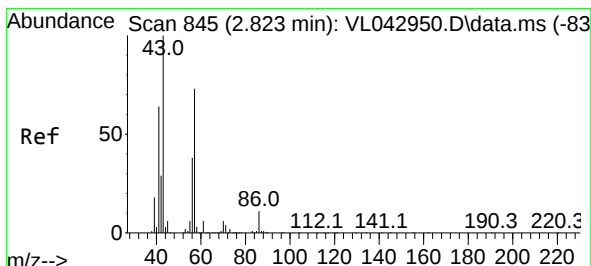
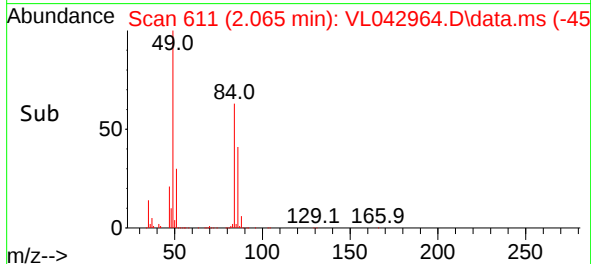
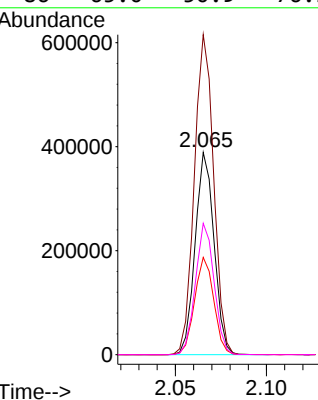
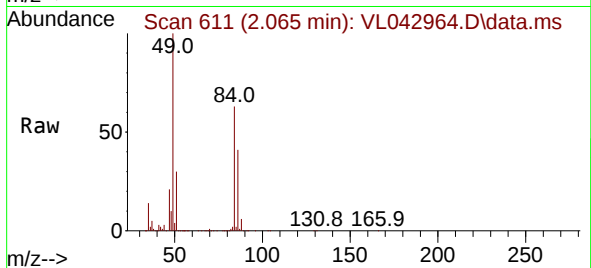
86 65.0 50.9 76.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#26

Hexane

Concen: 15.520 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.010 min

Lab File: VL042964.D

Acq: 22 Sep 2025 19:14

Tgt Ion: 57 Resp: 369938

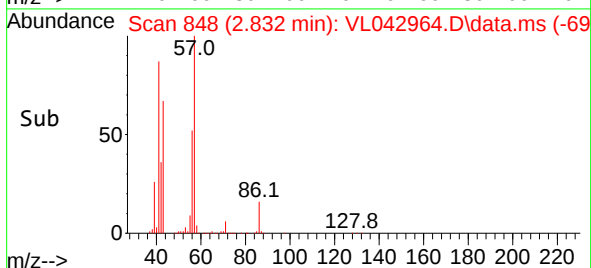
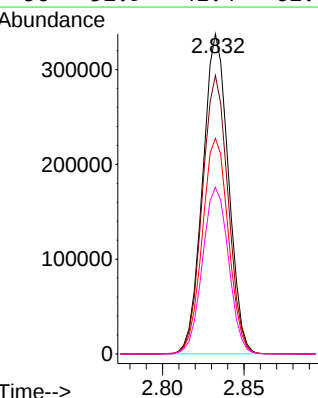
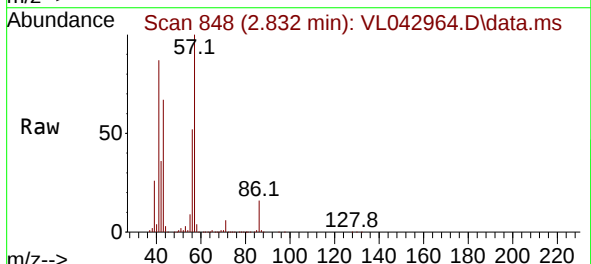
Ion Ratio Lower Upper

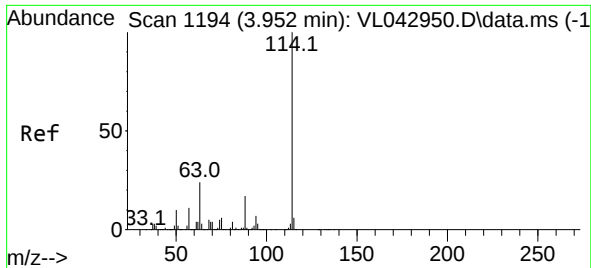
57 100

41 87.6 71.7 107.5

43 68.7 180.8 271.2#

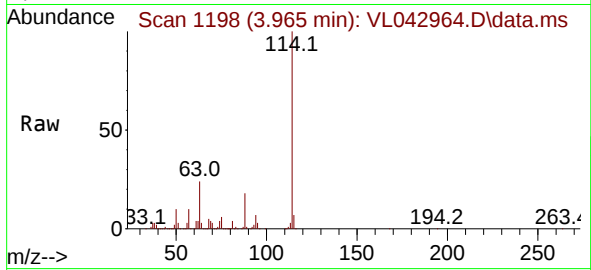
56 52.9 41.4 62.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1194
Delta R.T. 0.013 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

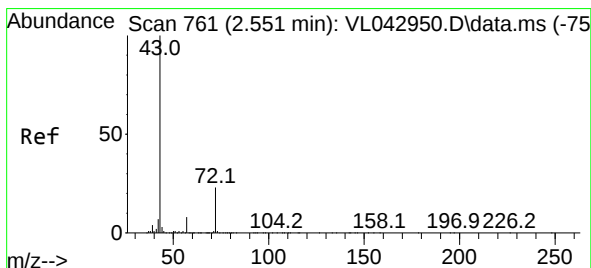
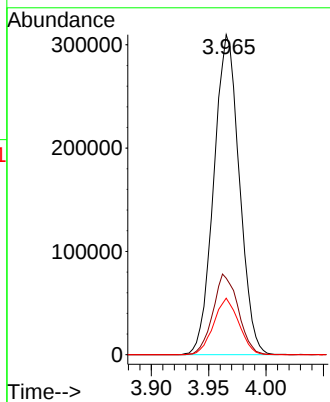
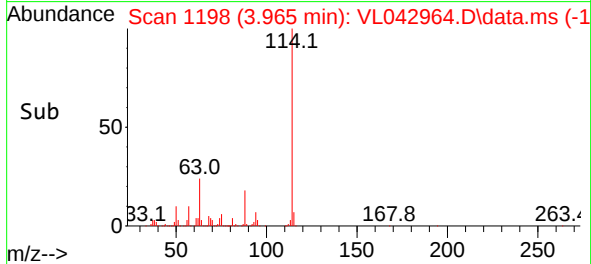
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion:114 Resp: 479932
Ion Ratio Lower Upper
114 100
63 24.9 19.4 29.2
88 17.4 14.2 21.2

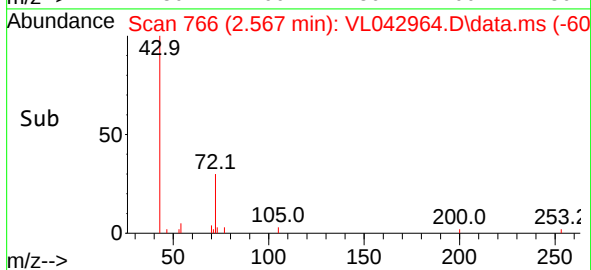
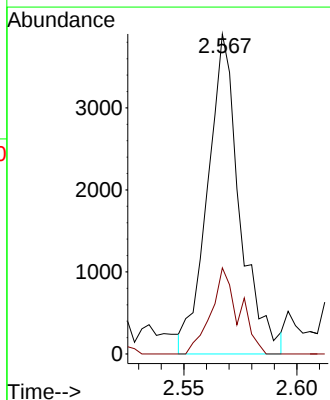
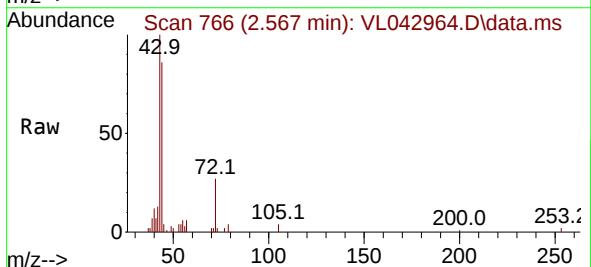
Manual Integrations
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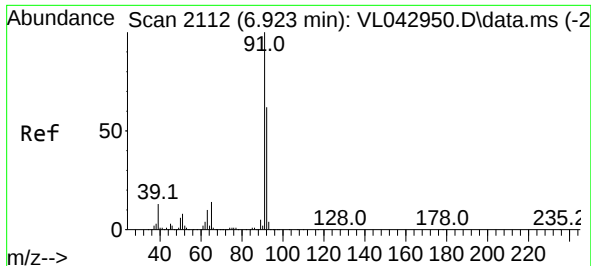
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#34
2-Butanone
Concen: 0.115 ppbv m
RT: 2.567 min Scan# 766
Delta R.T. 0.016 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

Tgt Ion: 43 Resp: 3865
Ion Ratio Lower Upper
43 100
72 23.5 17.7 26.5





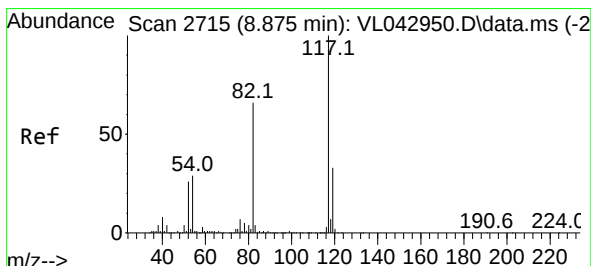
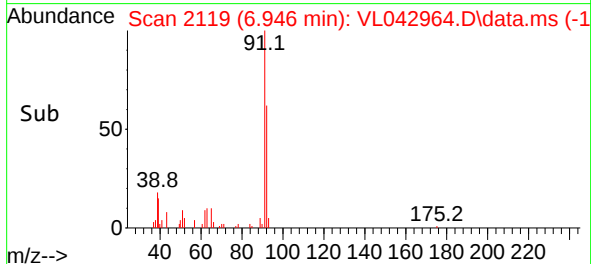
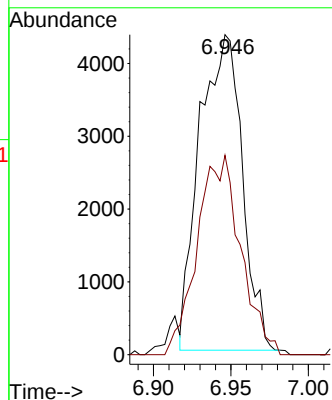
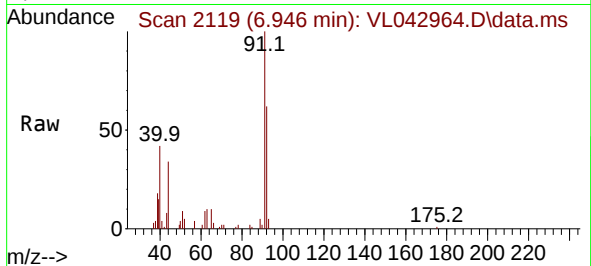
#53
Toluene
Concen: 0.156 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. 0.023 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 8319
Ion Ratio Lower Upper
91 100
92 64.0 48.2 72.2

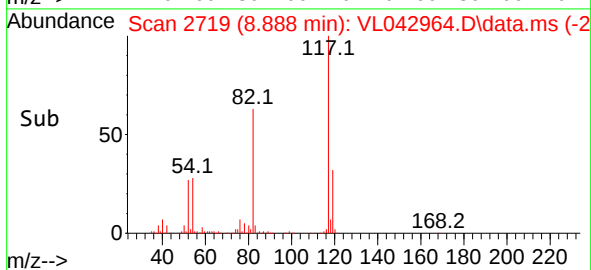
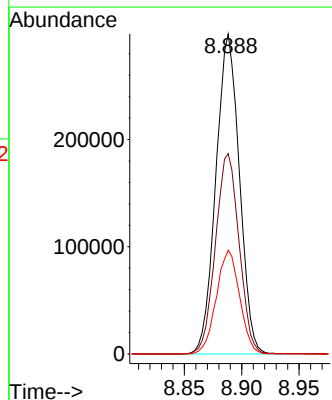
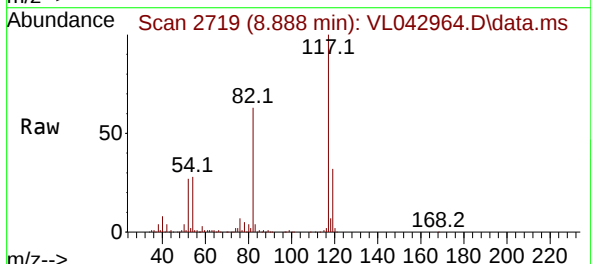
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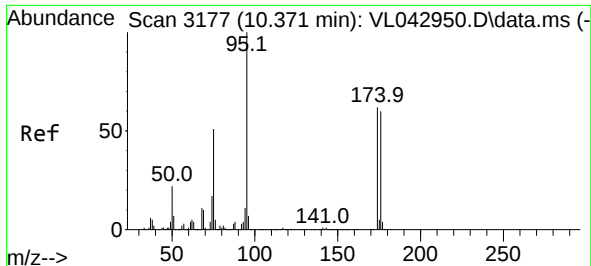
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.013 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

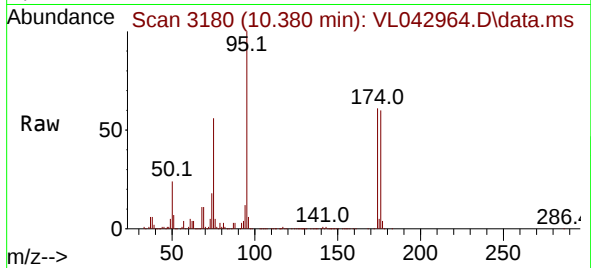
Tgt Ion:117 Resp: 425185
Ion Ratio Lower Upper
117 100
82 63.0 52.8 79.2
119 32.2 26.5 39.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.107 ppbv
RT: 10.380 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14

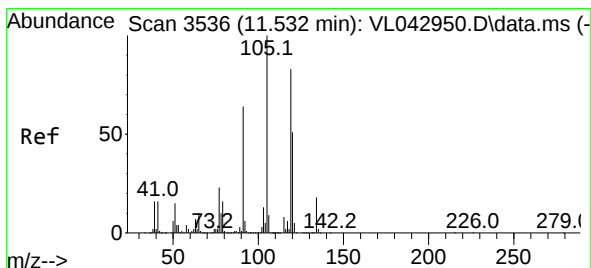
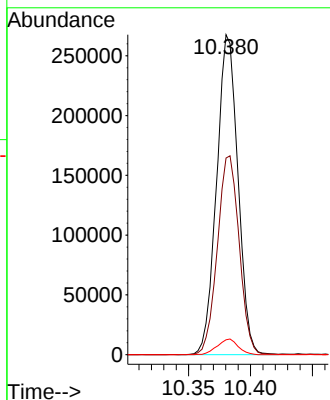
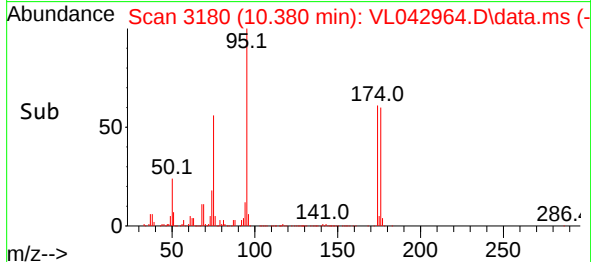
Instrument :
MSVOA_L
ClientSampleId :
SV2



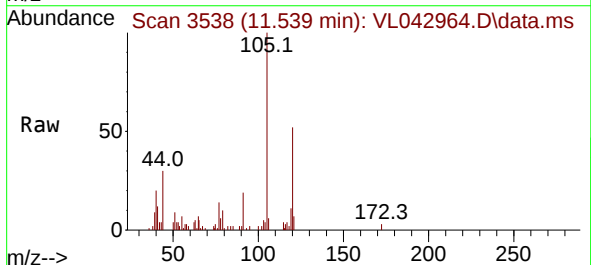
Tgt Ion: 95 Resp: 320799
Ion Ratio Lower Upper
95 100
174 63.8 51.4 77.2
175 4.8 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.103 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.006 min
Lab File: VL042964.D
Acq: 22 Sep 2025 19:14



Tgt Ion:105 Resp: 6358
Ion Ratio Lower Upper
105 100
120 59.7 40.9 61.3
91 18.7 51.2 76.8#
77 12.5 18.4 27.6#

