

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042273.D
 Acq On : 08 Apr 2025 21:37
 Operator : SY/MD
 Sample : Q1728-08DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-B2-4-04022025DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025
 Supervised By :Semsettin Yesilyurt 04/10/2025

Quant Time: Apr 09 02:00:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	152932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	379227	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	368372	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	288158	9.526	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	2775	2.776	ppbv #	27
15) Acetone	1.839	43	200607	9.379	ppbv	94
19) Isopropyl Alcohol	1.890	45	5026	0.416	ppbv #	1
20) Methylene Chloride	2.065	84	3517	0.442	ppbv #	78
34) 2-Butanone	2.570	43	3390	0.123	ppbv	98
53) Toluene	6.943	91	8155	0.183	ppbv	99
58) Ethyl Benzene	9.364	91	9053m	0.138	ppbv	
59) m/p-Xylene	9.539	91	103784m	1.986	ppbv	
60) o-Xylene	9.972	91	80843	1.543	ppbv	98
72) 4-Ethyltoluene	11.131	105	16952	0.260	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.212	105	41500	0.729	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	52472	0.800	ppbv #	64

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

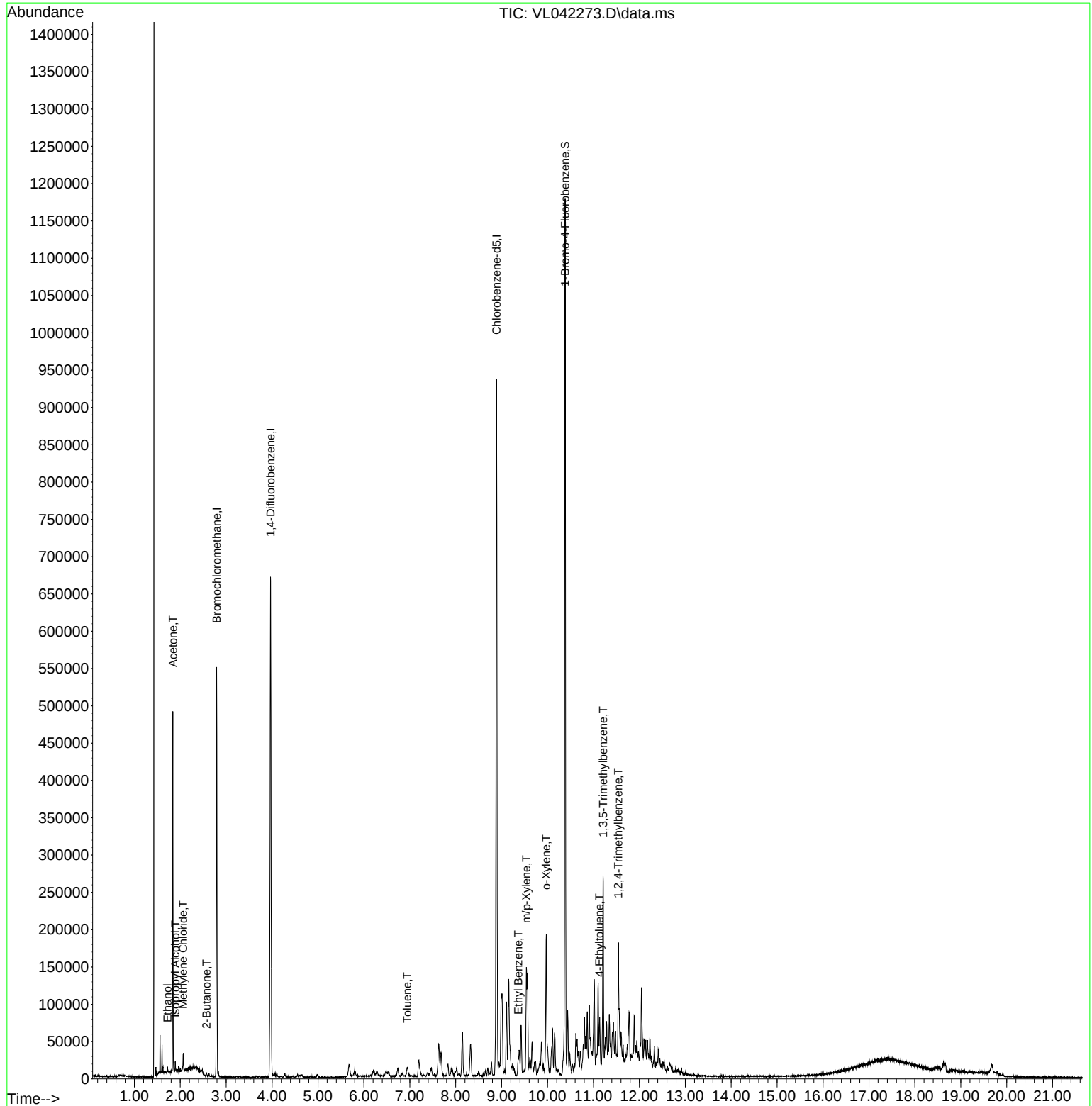
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
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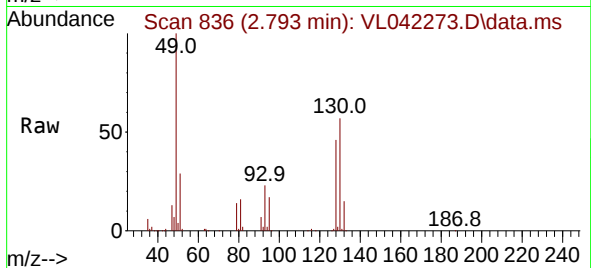
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

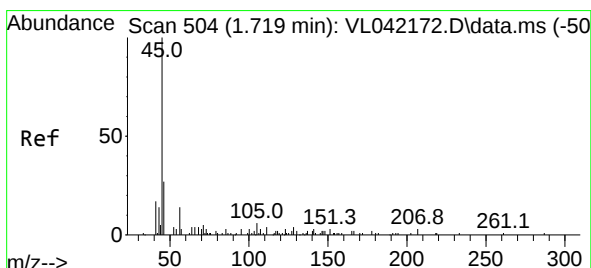
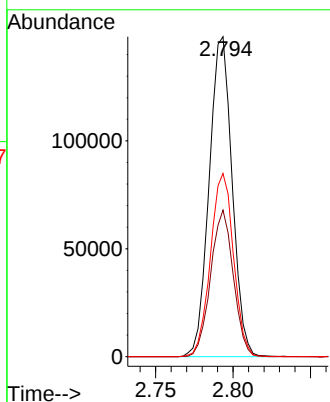
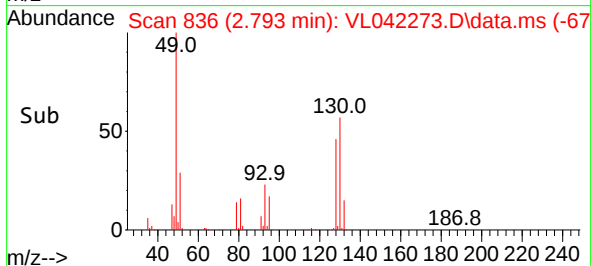
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



Tgt Ion: 49 Resp: 15293
Ion Ratio Lower Upper
49 100
128 45.3 22.9 68.5
130 57.5 28.8 86.4

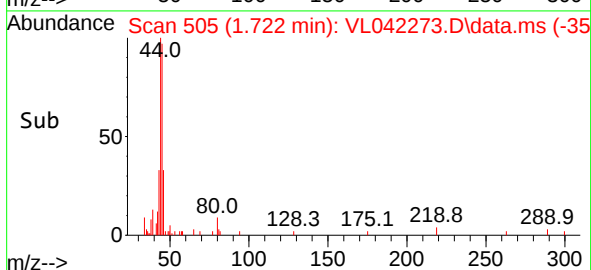
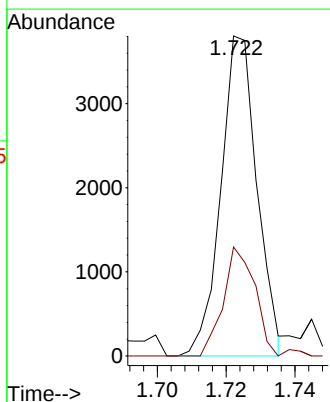
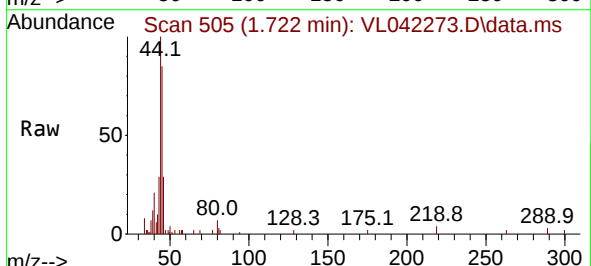
Manual Integrations
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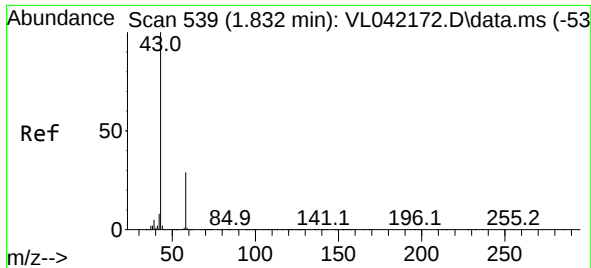
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#13
Ethanol
Concen: 2.776 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

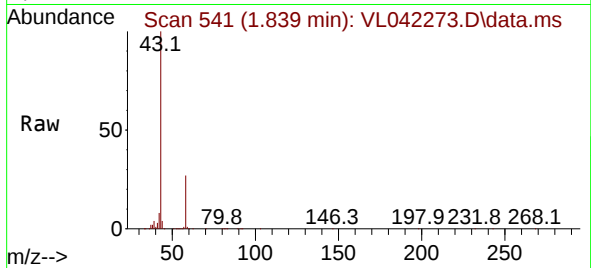
Tgt Ion: 45 Resp: 2775
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15
Acetone
Concen: 9.379 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

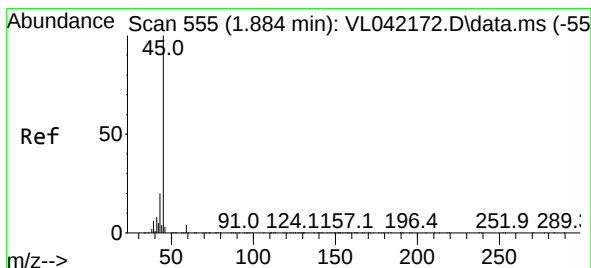
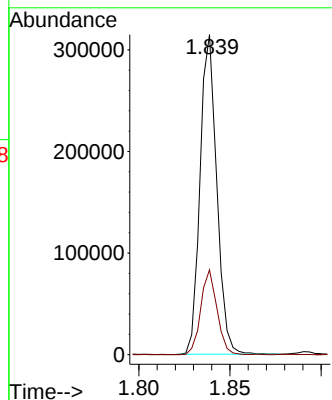
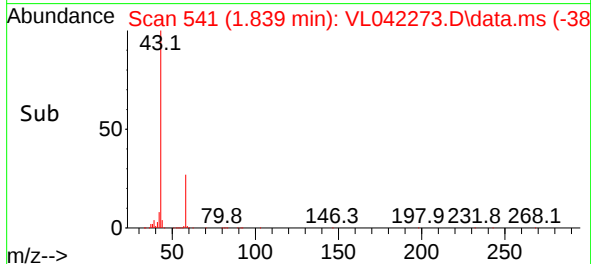
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



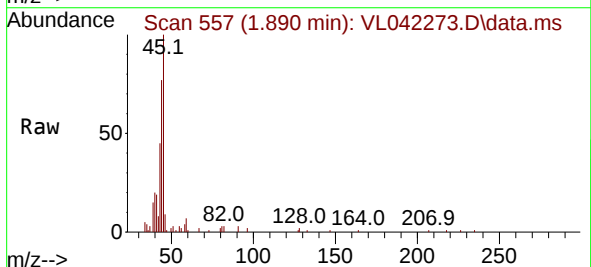
Tgt Ion: 43 Resp: 200607
Ion Ratio Lower Upper
43 100
58 25.9 23.2 34.8

Manual Integrations
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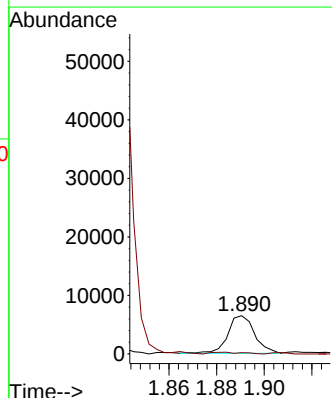
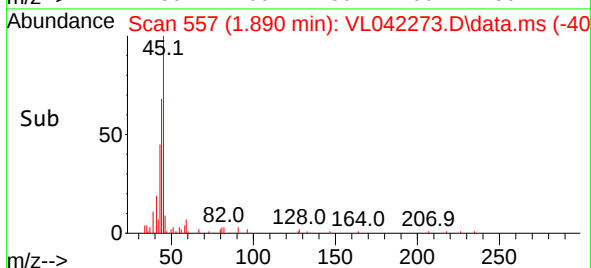
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

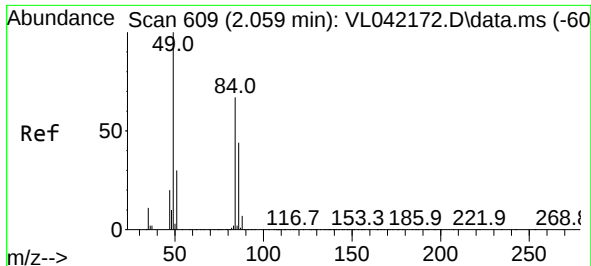


#19
Isopropyl Alcohol
Concen: 0.416 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37



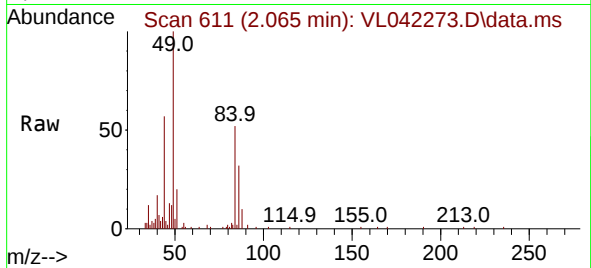
Tgt Ion: 45 Resp: 5026
Ion Ratio Lower Upper
45 100
58 1031.6 36.9 55.3#





#20
Methylene Chloride
Concen: 0.442 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

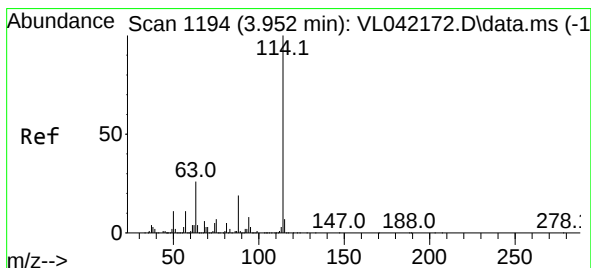
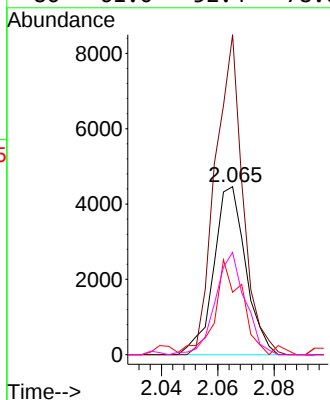
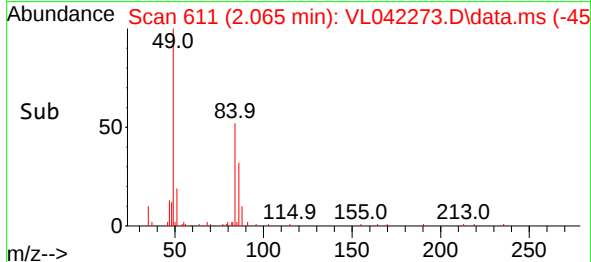
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



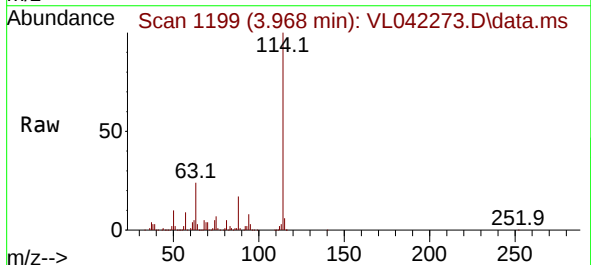
Tgt Ion: 84 Resp: 351
Ion Ratio Lower Upper
84 100
49 190.6 120.2 180.4
51 35.9 37.4 56.0
86 61.0 52.4 78.6

Manual Integrations
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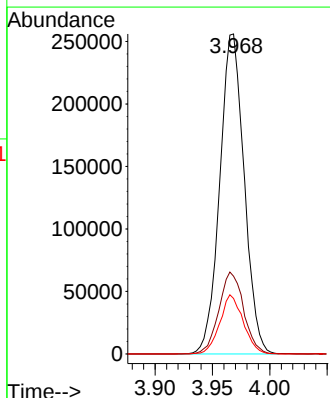
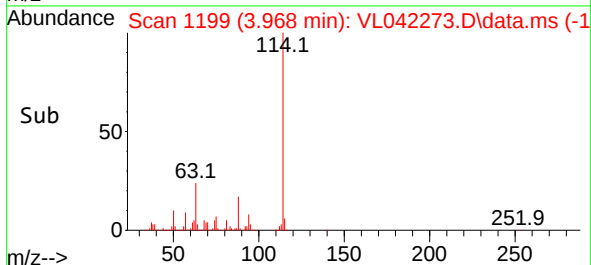
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

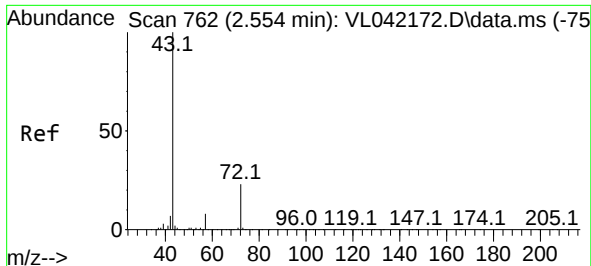


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. 0.016 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37



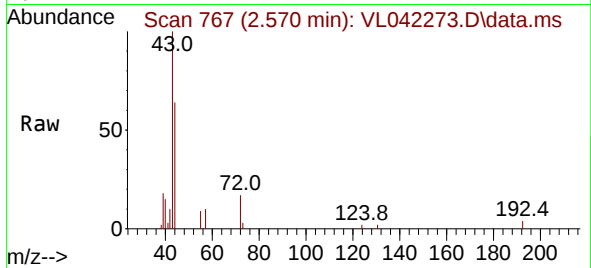
Tgt Ion:114 Resp: 379227
Ion Ratio Lower Upper
114 100
63 26.0 20.7 31.1
88 17.7 15.0 22.4





#34
2-Butanone
Concen: 0.123 ppbv
RT: 2.570 min Scan# 70
Delta R.T. 0.016 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

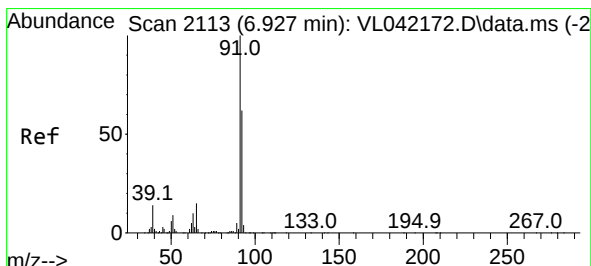
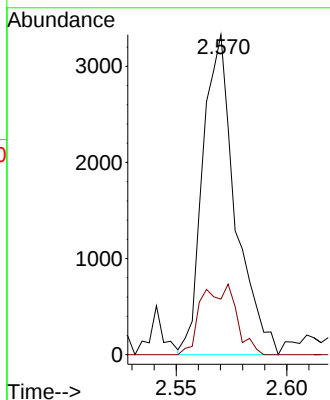
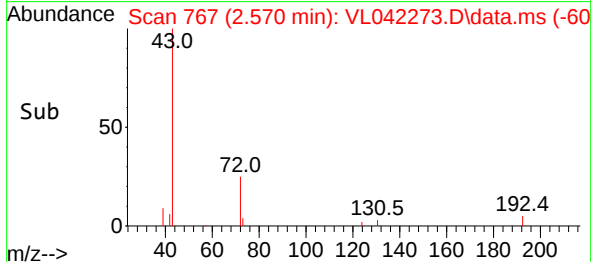
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



Tgt Ion: 43 Resp: 3390
Ion Ratio Lower Upper
43 100
72 23.7 18.2 27.2

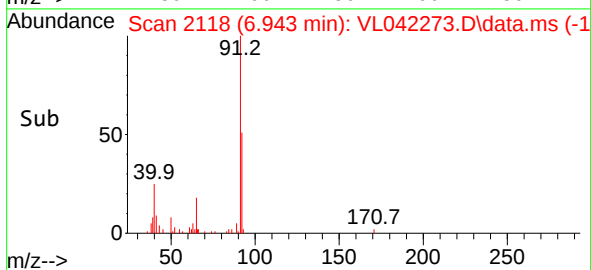
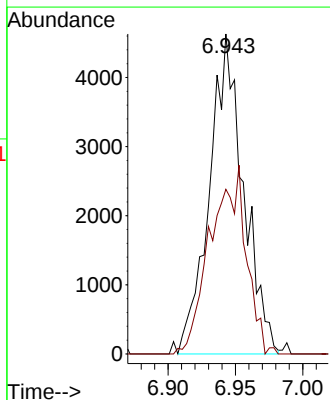
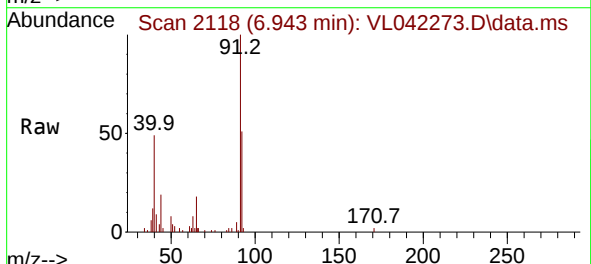
Manual Integrations
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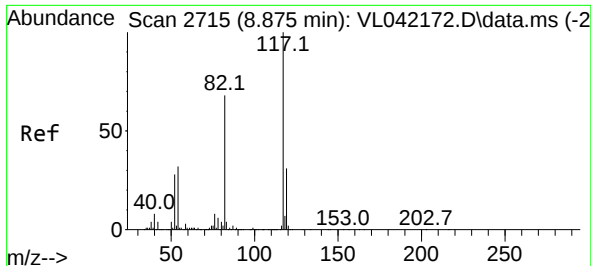
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#53
Toluene
Concen: 0.183 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.016 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

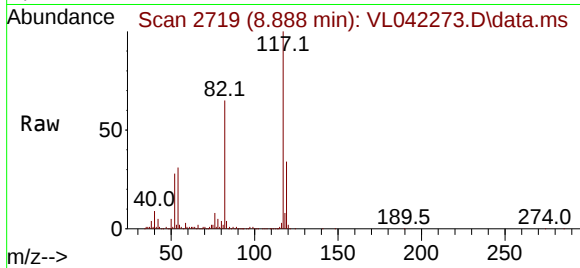
Tgt Ion: 91 Resp: 8155
Ion Ratio Lower Upper
91 100
92 61.1 48.4 72.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

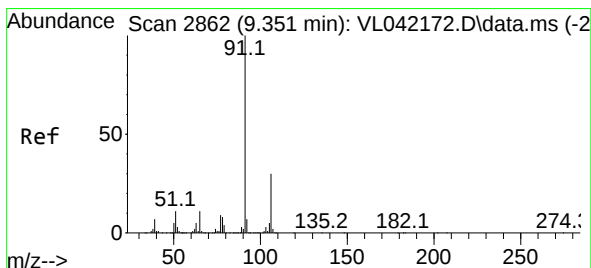
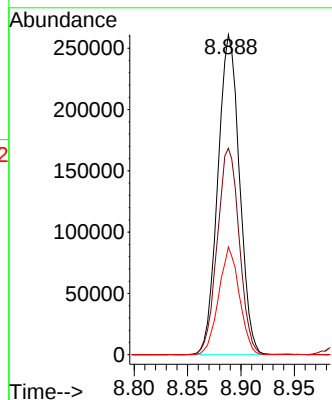
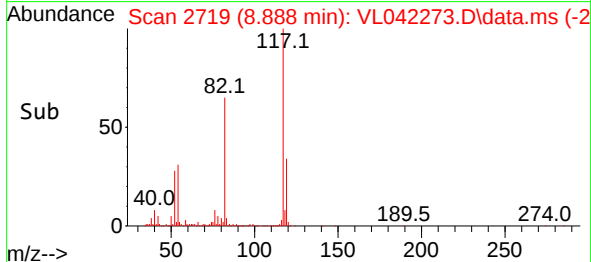
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



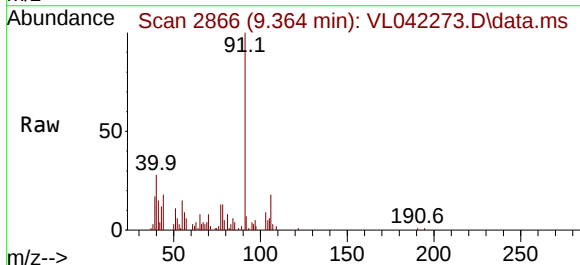
Tgt Ion:117 Resp: 368372
Ion Ratio Lower Upper
117 100
82 65.6 55.8 83.6
119 32.2 25.5 38.3

Manual Integrations
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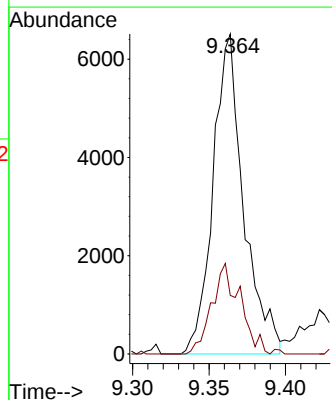
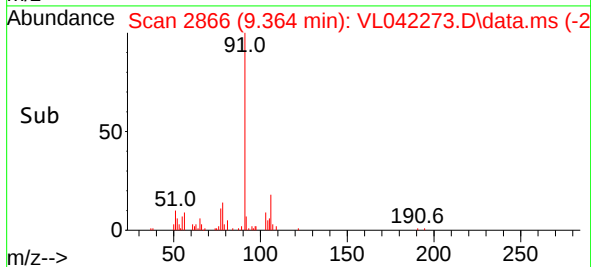
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025

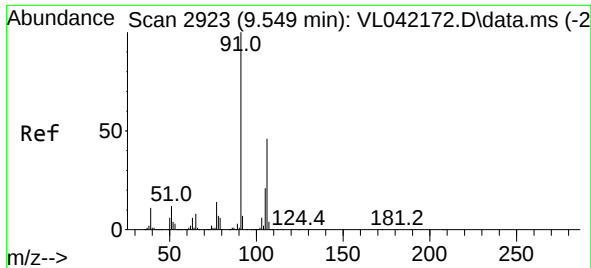


#58
Ethyl Benzene
Concen: 0.138 ppbv m
RT: 9.364 min Scan# 2866
Delta R.T. 0.013 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37



Tgt Ion: 91 Resp: 9053
Ion Ratio Lower Upper
91 100
106 18.3 24.2 36.2#





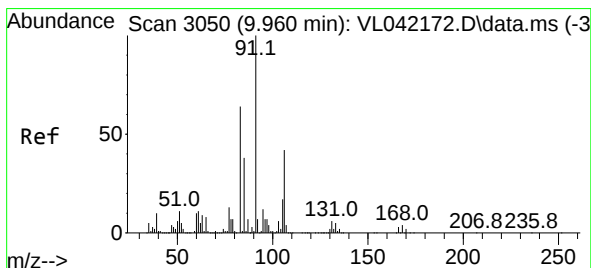
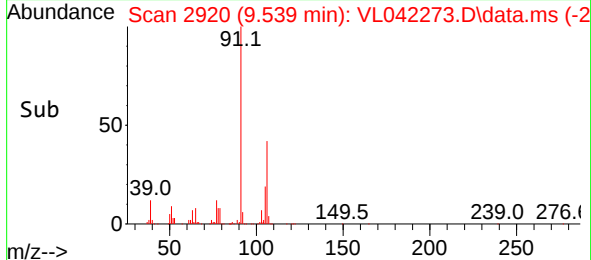
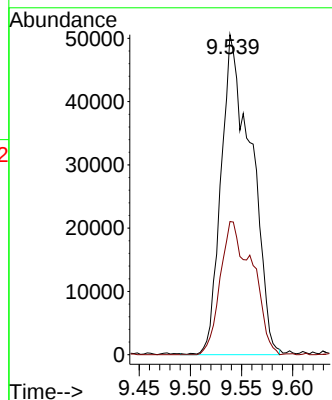
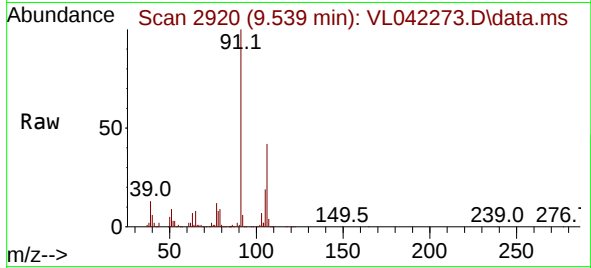
#59
m/p-Xylene
Concen: 1.986 ppbv m
RT: 9.539 min Scan# 2923
Delta R.T. -0.010 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL

Tgt Ion: 91 Resp: 103784
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

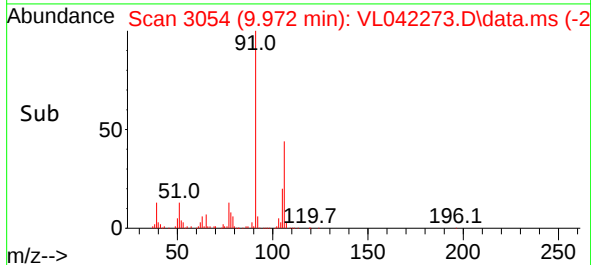
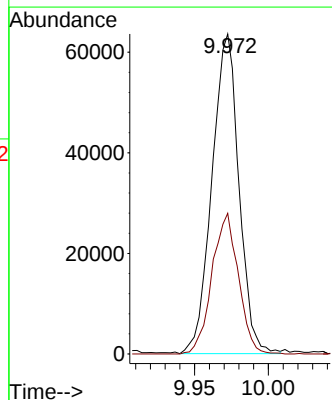
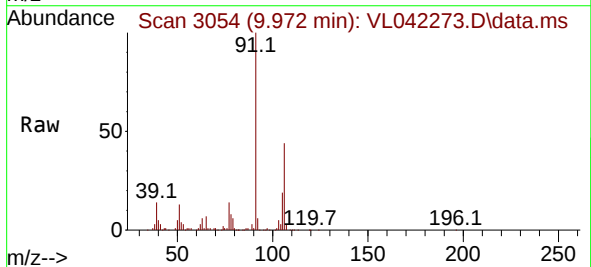
Manual Integrations
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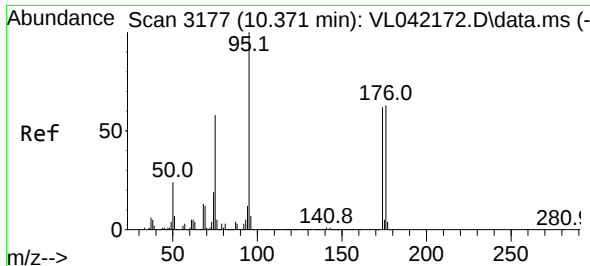
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#60
o-Xylene
Concen: 1.543 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. 0.013 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

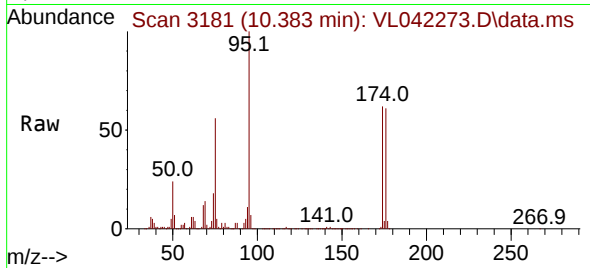
Tgt Ion: 91 Resp: 80843
Ion Ratio Lower Upper
91 100
106 43.1 20.8 62.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.526 ppbv
RT: 10.383 min Scan# 3177
Delta R.T. 0.013 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

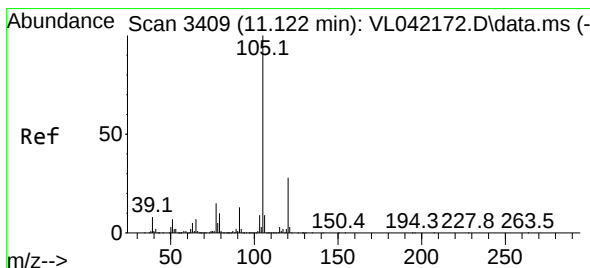
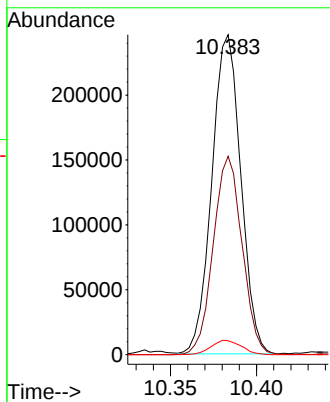
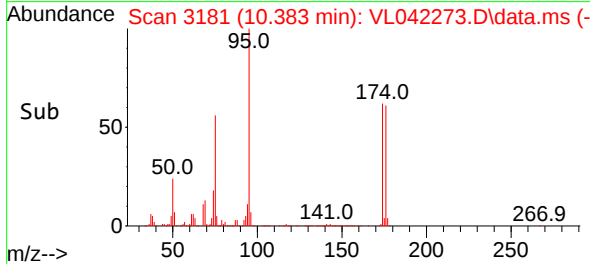
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B2-4-04022025DL



Tgt Ion: 95 Resp: 288158
Ion Ratio Lower Upper
95 100
174 61.8 50.6 76.0
175 4.7 3.8 5.6

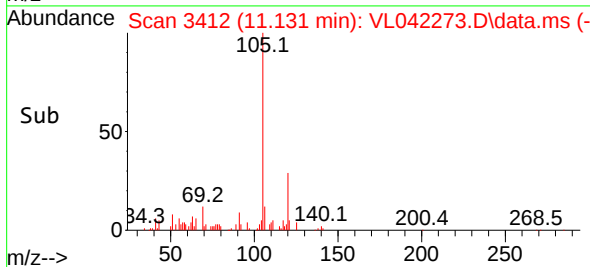
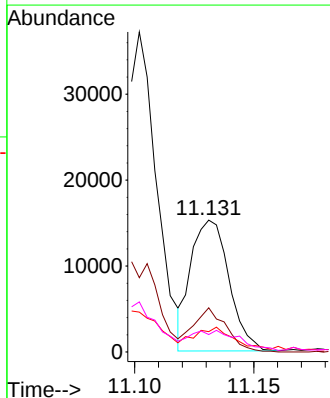
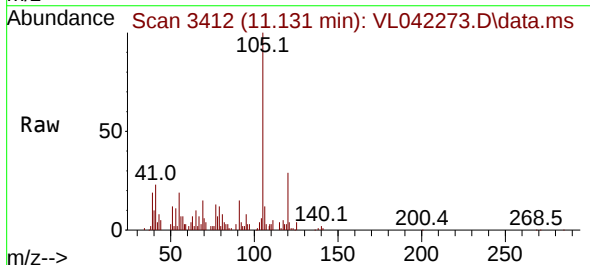
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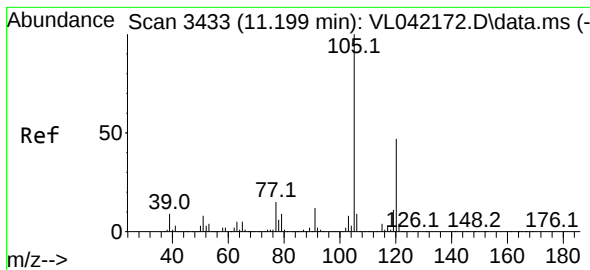
Reviewed By :Mahesh Dadoda 04/09/2025
Supervised By :Semsettin Yesilyurt 04/10/2025



#72
4-Ethyltoluene
Concen: 0.260 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.010 min
Lab File: VL042273.D
Acq: 08 Apr 2025 21:37

Tgt Ion:105 Resp: 16952
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 10.3 15.5#
77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.729 ppbv

RT: 11.212 min Scan# 3433

Delta R.T. 0.013 min

Lab File: VL042273.D

Acq: 08 Apr 2025 21:37

Instrument :

MSVOA_L

ClientSampleId :

SSSG-B2-4-04022025DL

Tgt Ion:105 Resp: 41500

Ion Ratio Lower Upper

105 100

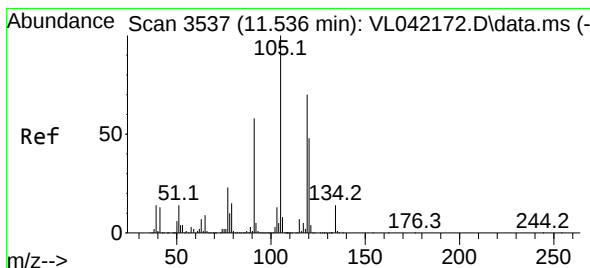
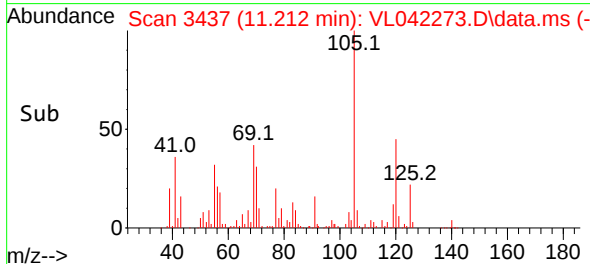
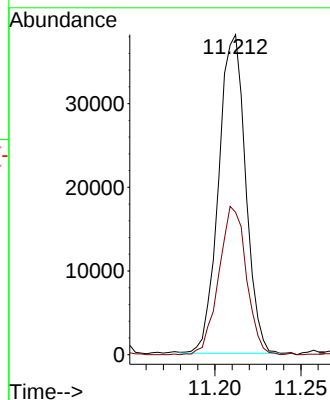
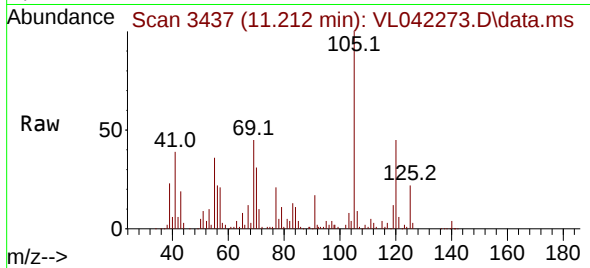
120 44.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/09/2025

Supervised By :Semsettin Yesilyurt 04/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.800 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042273.D

Acq: 08 Apr 2025 21:37

Tgt Ion:105 Resp: 52472

Ion Ratio Lower Upper

105 100

120 41.0 38.6 58.0

91 9.8 46.2 69.2#

77 14.4 18.6 27.8#

