

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042387.D
 Acq On : 18 Apr 2025 12:41
 Operator : SY/MD
 Sample : Q1726-01DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-DUP-3-03312025DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025
 Supervised By :Mahesh Dadoda 04/21/2025

Quant Time: Apr 18 22:57:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M

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

QLast Update : Fri Apr 18 02:14:00 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	133179	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	411086	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	357783	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	291643	9.920	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
10) Heptane	4.968	43	4902m	0.171	ppbv	
13) Ethanol	1.719	45	9034	5.570	ppbv	89
15) Acetone	1.832	43	267863	12.286	ppbv	99
19) Isopropyl Alcohol	1.884	45	8878	0.733	ppbv #	1
44) 2,2,4-Trimethylpentane	4.629	57	24464	0.319	ppbv #	86
53) Toluene	6.923	91	50250	0.944	ppbv	99
58) Ethyl Benzene	9.348	91	14141m	0.199	ppbv	
59) m/p-Xylene	9.526	91	40839	0.715	ppbv	99
60) o-Xylene	9.959	91	16348	0.284	ppbv	94
72) 4-Ethyltoluene	11.121	105	7156	0.102	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.199	105	8160m	0.131	ppbv	
74) 1,2,4-Trimethylbenzene	11.532	105	26096	0.360	ppbv #	64

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

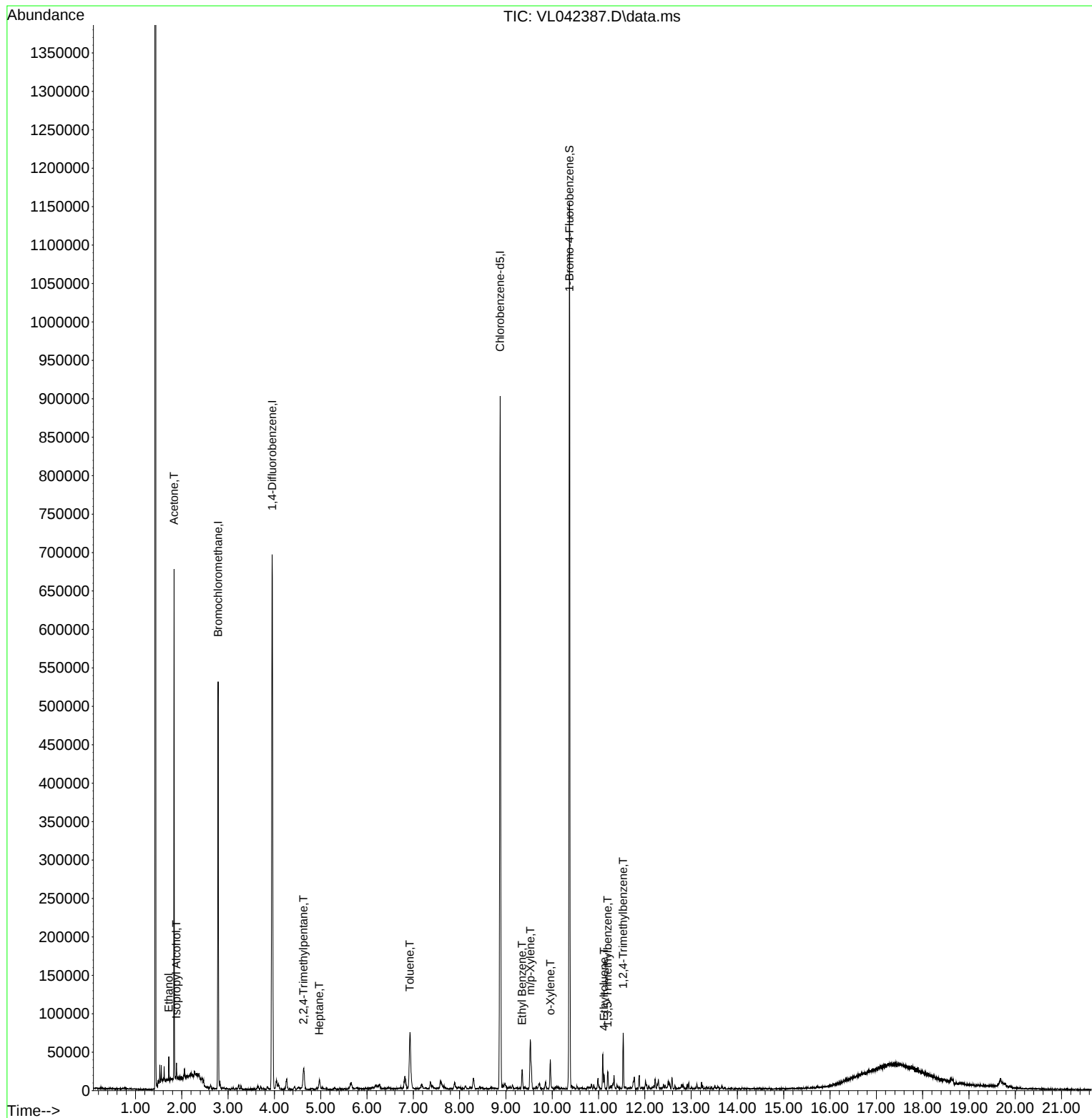
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042387.D
Acq On : 18 Apr 2025 12:41
Operator : SY/MD
Sample : Q1726-01DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

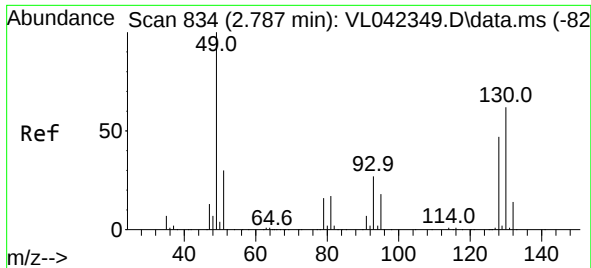
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2

Quant Time: Apr 18 22:57:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

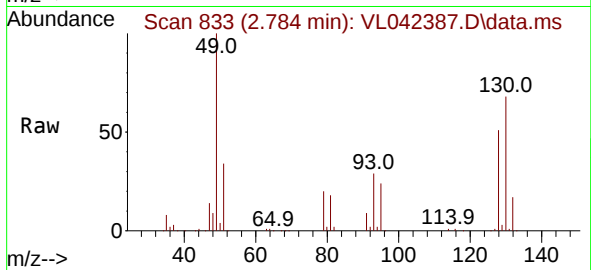
Reviewed By : Semsettin Yesilyurt 04/21/2025
Supervised By : Mahesh Dadoda 04/21/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

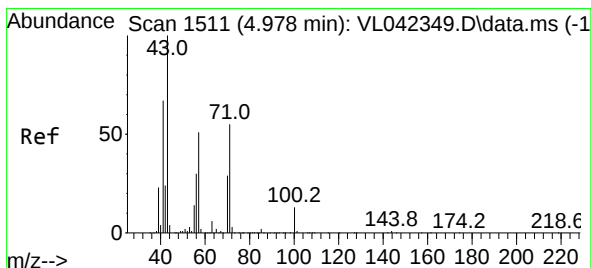
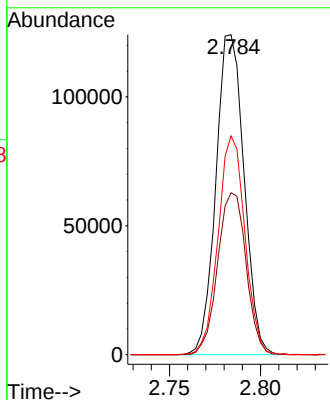
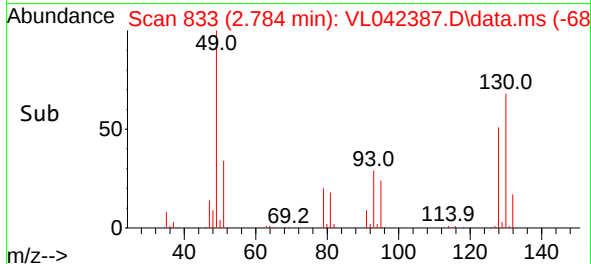
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2



Tgt Ion: 49 Resp: 133179
Ion Ratio Lower Upper
49 100
128 51.2 22.8 68.4
130 65.3 29.3 88.0

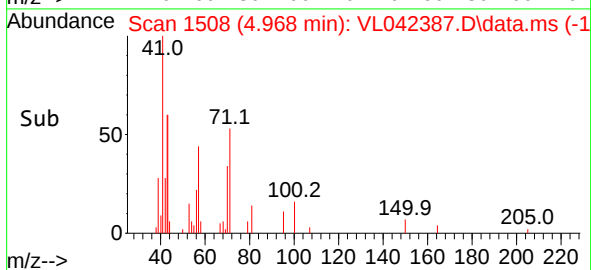
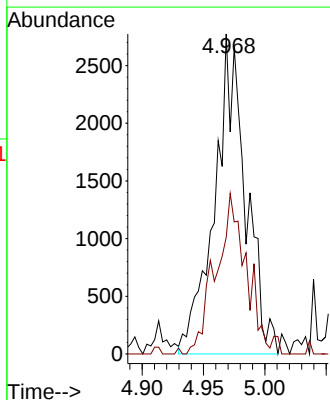
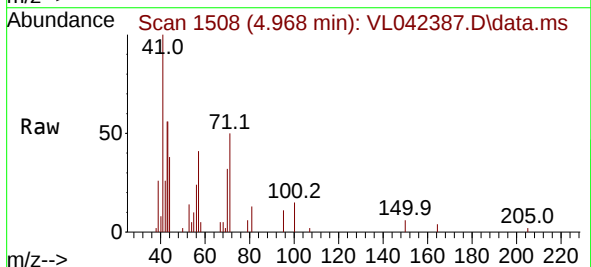
Manual Integrations
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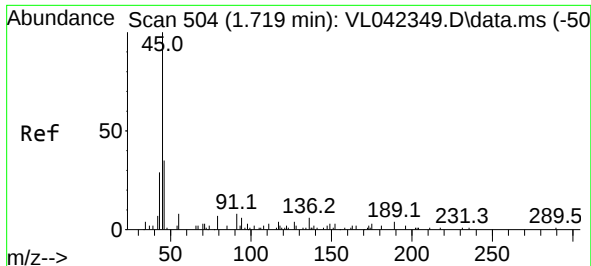
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#10
Heptane
Concen: 0.171 ppbv m
RT: 4.968 min Scan# 1508
Delta R.T. -0.010 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

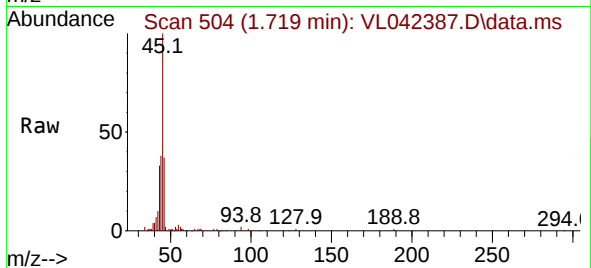
Tgt Ion: 43 Resp: 4902
Ion Ratio Lower Upper
43 100
57 49.8 39.9 59.9





#13
Ethanol
Concen: 5.570 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

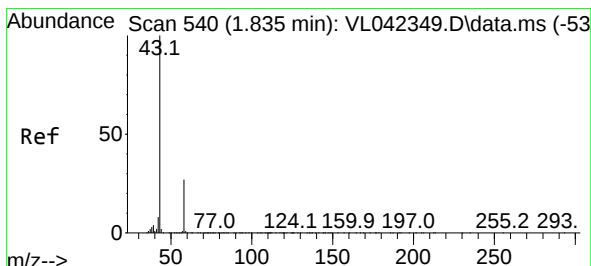
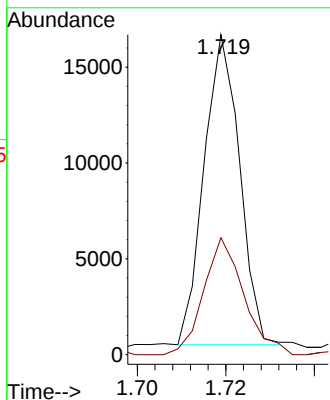
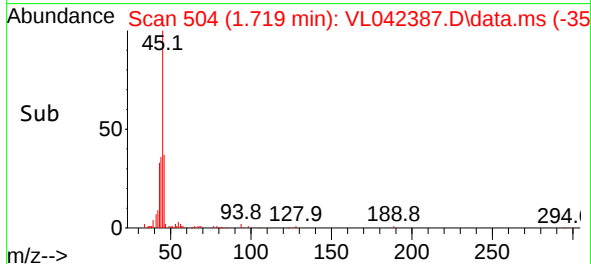
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2



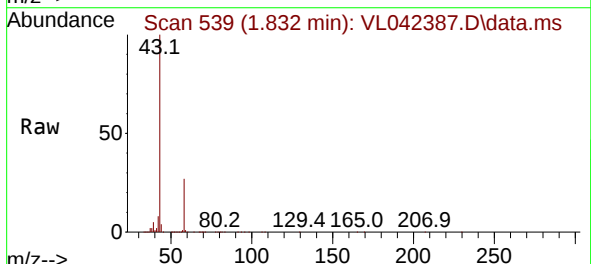
Tgt Ion: 45 Resp: 9034
Ion Ratio Lower Upper
45 100
46 46.7 21.9 87.7

Manual Integrations
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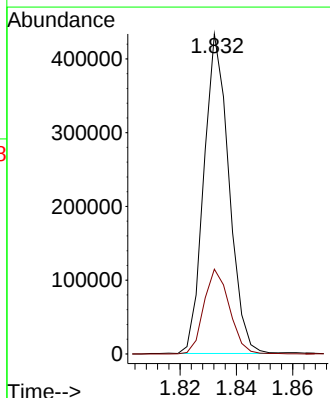
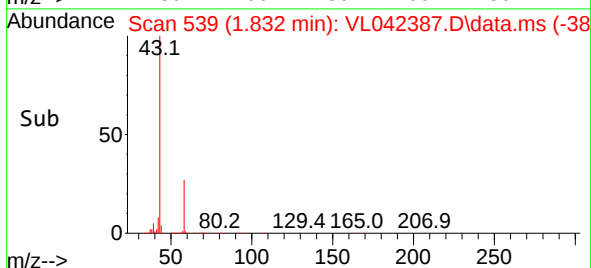
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

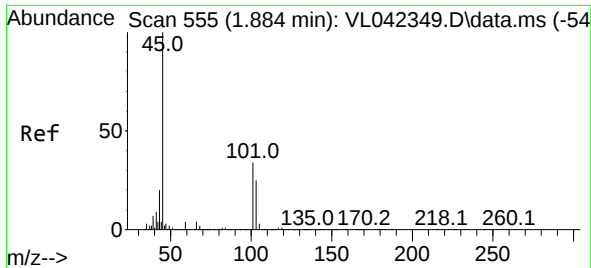


#15
Acetone
Concen: 12.286 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41



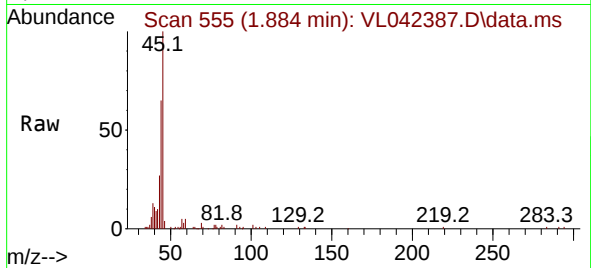
Tgt Ion: 43 Resp: 267863
Ion Ratio Lower Upper
43 100
58 27.3 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.733 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

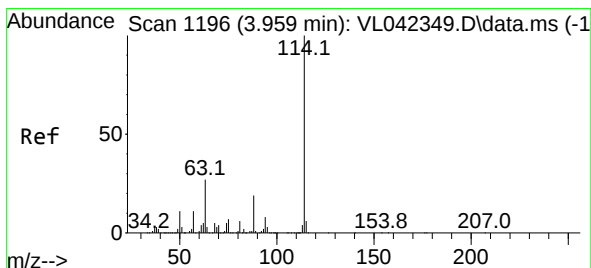
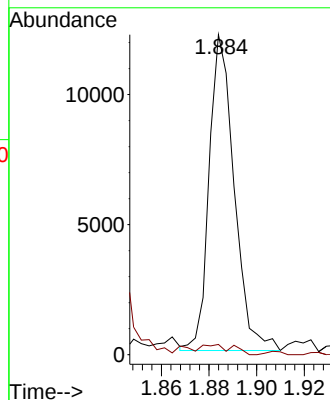
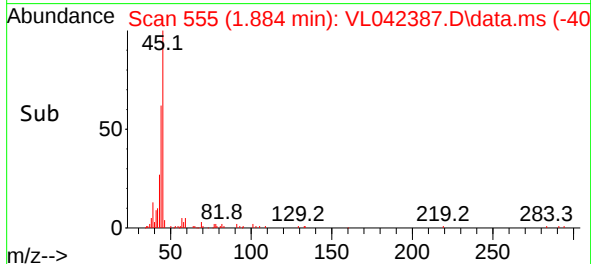
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2



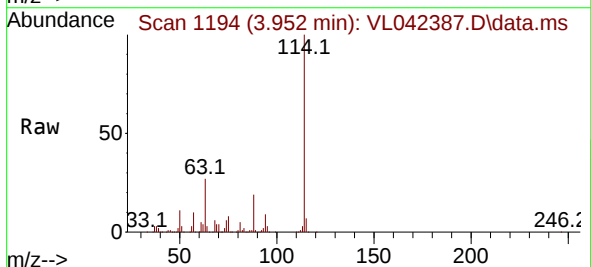
Tgt Ion: 45 Resp: 8878
Ion Ratio Lower Upper
45 100
58 823.5 34.5 51.75

Manual Integrations
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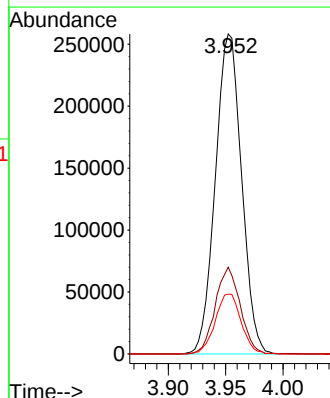
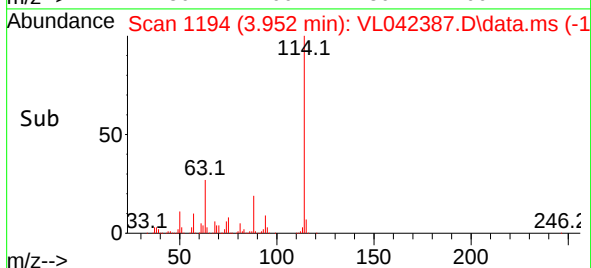
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

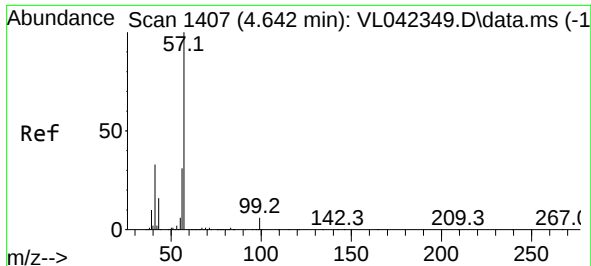


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41



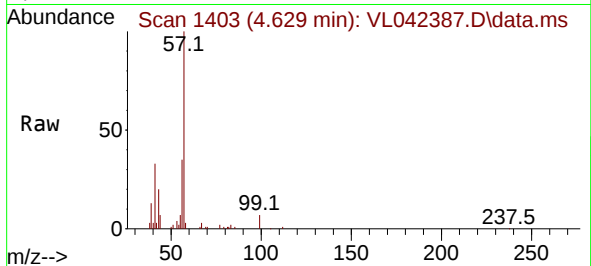
Tgt Ion:114 Resp: 411086
Ion Ratio Lower Upper
114 100
63 25.9 21.8 32.6
88 18.5 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.319 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

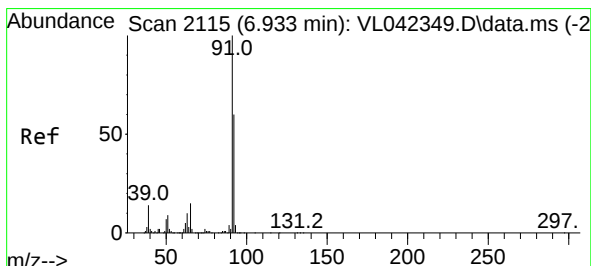
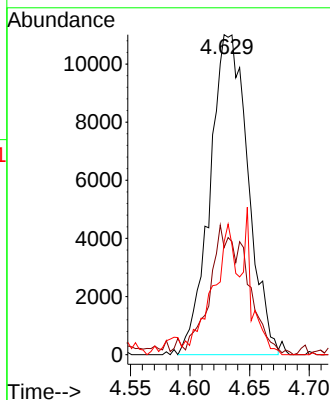
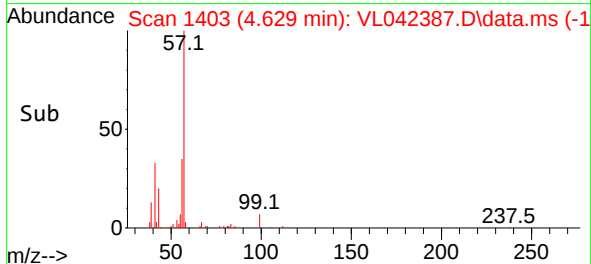
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2



Tgt Ion: 57 Resp: 2446
Ion Ratio Lower Upper
57 100
41 42.3 27.2 40.8
56 40.0 25.7 38.5

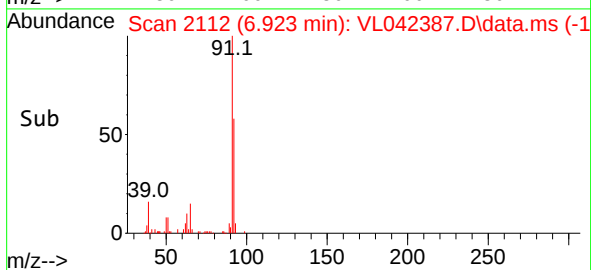
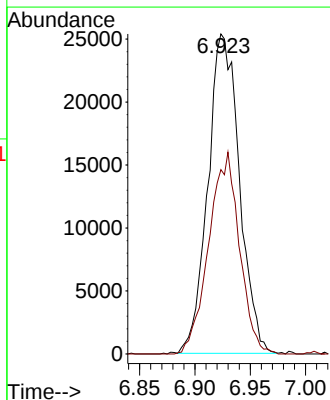
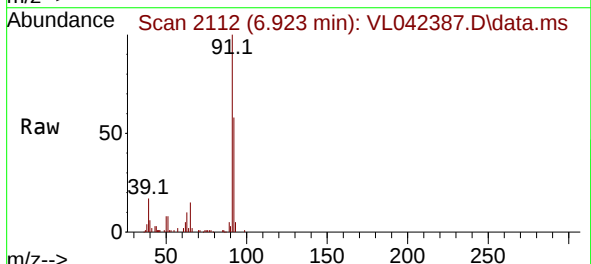
Manual Integrations
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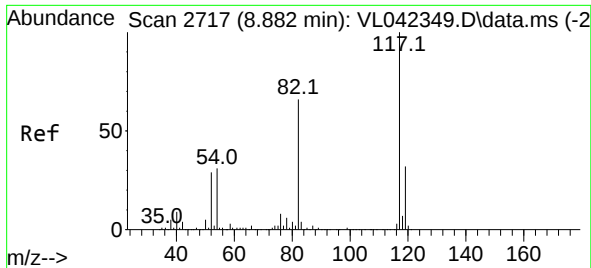
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#53
Toluene
Concen: 0.944 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.010 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

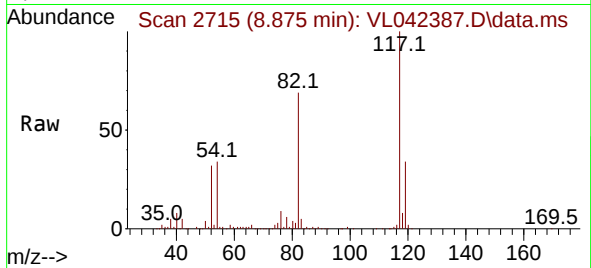
Tgt Ion: 91 Resp: 50250
Ion Ratio Lower Upper
91 100
92 61.3 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

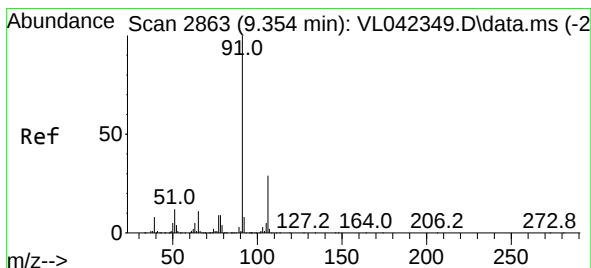
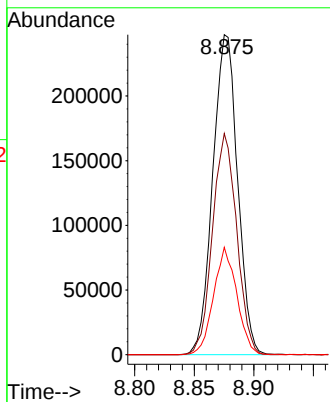
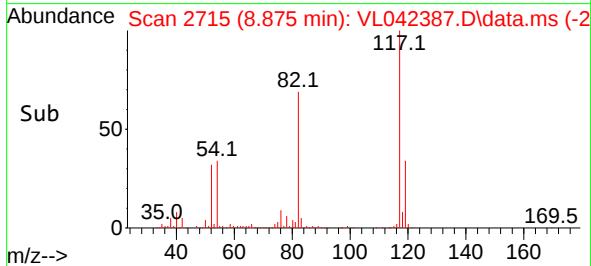
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL2



Tgt Ion:117 Resp: 35778
Ion Ratio Lower Upper
117 100
82 67.6 57.8 86.6
119 31.5 25.2 37.8

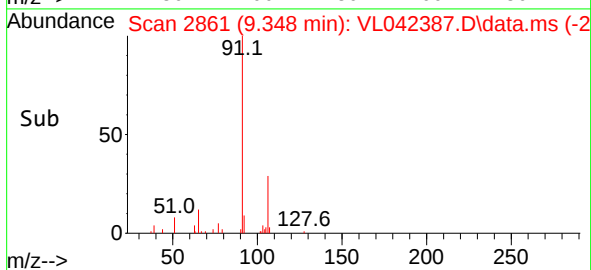
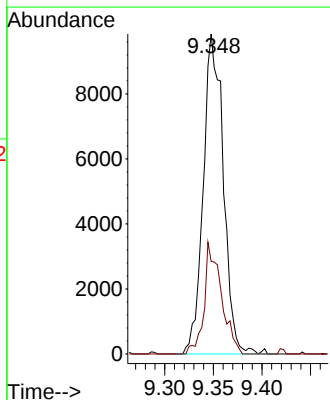
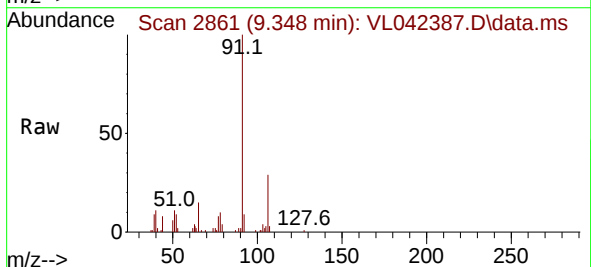
Manual Integrations
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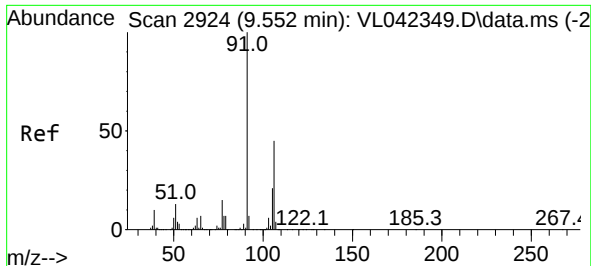
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#58
Ethyl Benzene
Concen: 0.199 ppbv m
RT: 9.348 min Scan# 2861
Delta R.T. -0.006 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

Tgt Ion: 91 Resp: 14141
Ion Ratio Lower Upper
91 100
106 28.9 23.0 34.4





#59

m/p-Xylene

Concen: 0.715 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.026 min

Lab File: VL042387.D

Acq: 18 Apr 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

IA-DUP-3-03312025DL2

Tgt Ion: 91 Resp: 40839

Ion Ratio Lower Upper

91 100

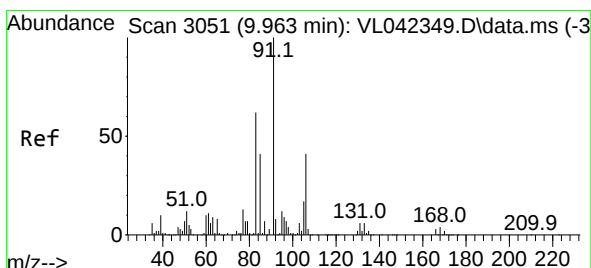
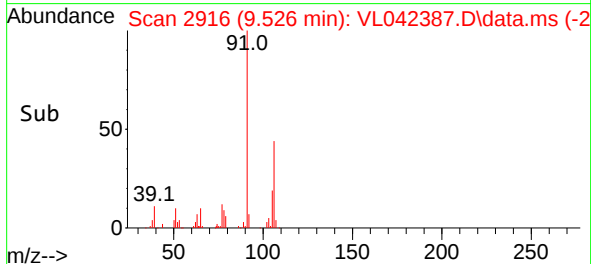
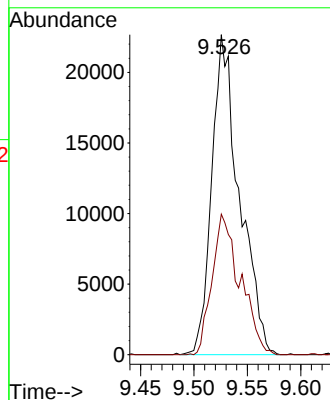
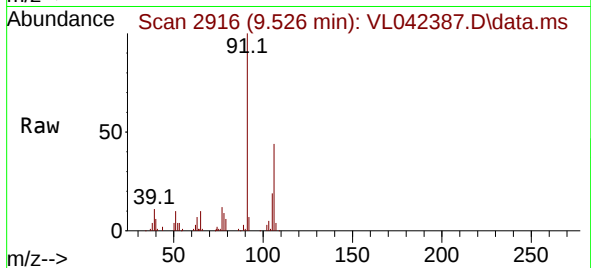
106 44.7 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/21/2025

Supervised By :Mahesh Dadoda 04/21/2025



#60

o-Xylene

Concen: 0.284 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042387.D

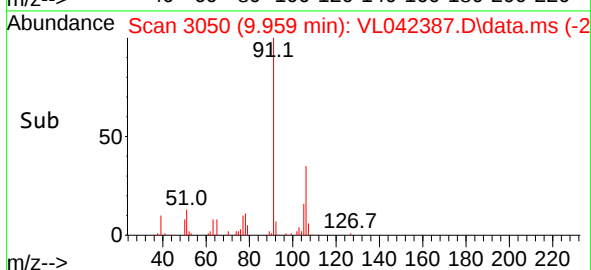
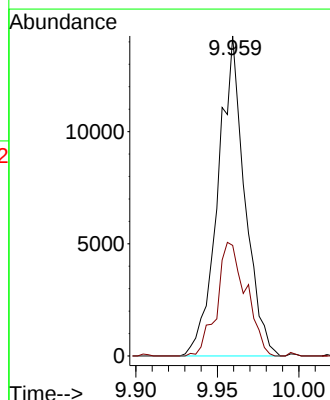
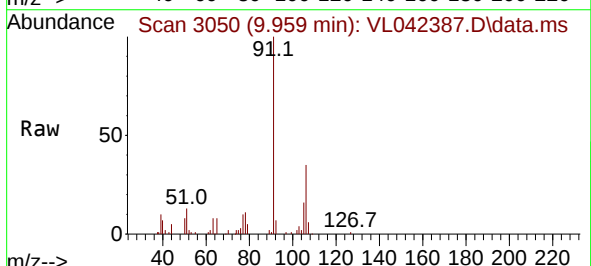
Acq: 18 Apr 2025 12:41

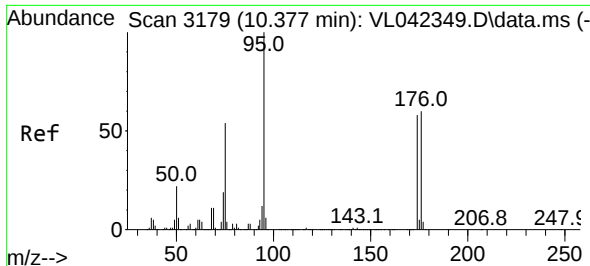
Tgt Ion: 91 Resp: 16348

Ion Ratio Lower Upper

91 100

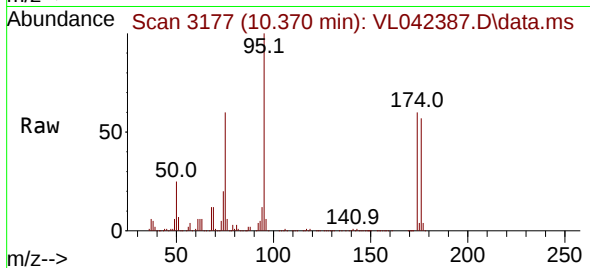
106 38.7 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.920 ppbv
RT: 10.370 min Scan# 3179
Delta R.T. -0.006 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41

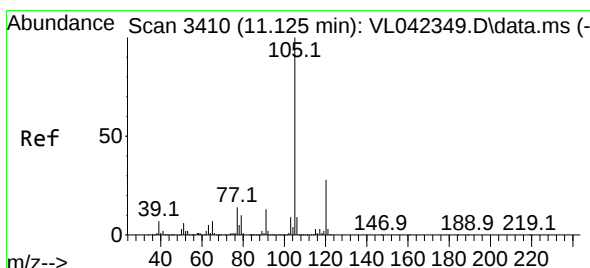
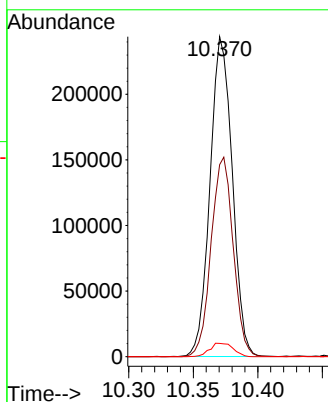
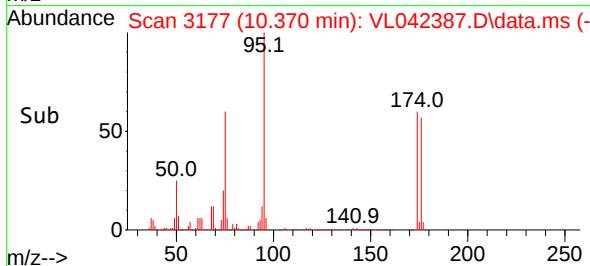
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL2



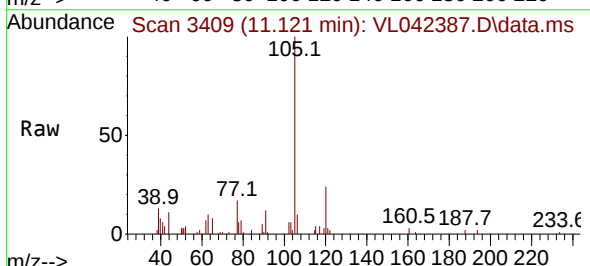
Tgt Ion: 95 Resp: 29164
Ion Ratio Lower Upper
95 100
174 62.1 48.5 72.7
175 4.5 3.7 5.5

Manual Integrations
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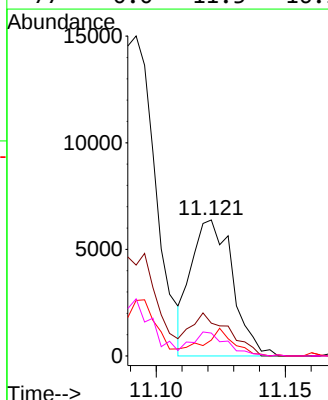
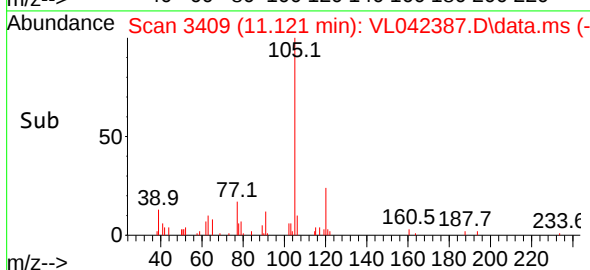
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

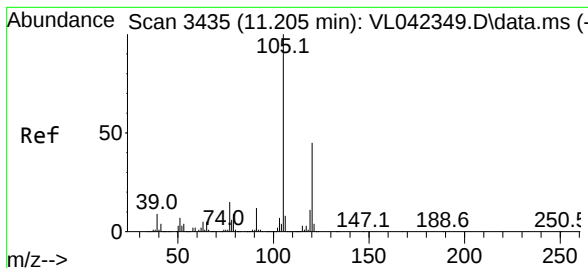


#72
4-Ethyltoluene
Concen: 0.102 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042387.D
Acq: 18 Apr 2025 12:41



Tgt Ion:105 Resp: 7156
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.131 ppbv m

RT: 11.199 min Scan# 3435

Delta R.T. -0.006 min

Lab File: VL042387.D

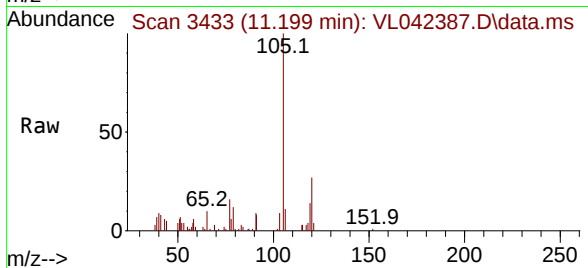
Acq: 18 Apr 2025 12:41

Instrument :

MSVOA_L

ClientSampleId :

IA-DUP-3-03312025DL2



Tgt Ion:105 Resp: 8160

Ion Ratio Lower Upper

105 100

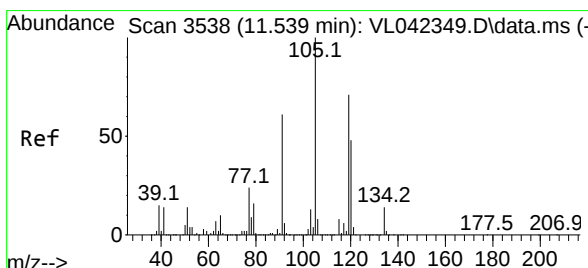
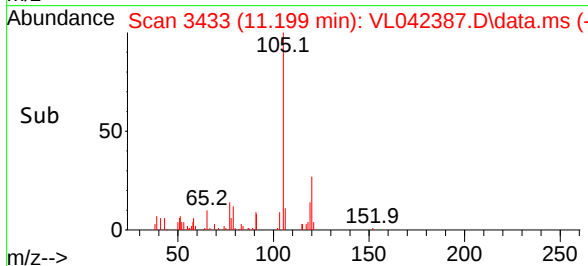
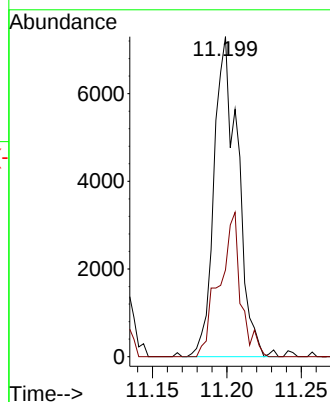
120 27.1 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/21/2025

Supervised By :Mahesh Dadoda 04/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.360 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.006 min

Lab File: VL042387.D

Acq: 18 Apr 2025 12:41

Tgt Ion:105 Resp: 26096

Ion Ratio Lower Upper

105 100

120 40.0 38.1 57.1

91 12.6 48.8 73.2#

77 15.1 19.0 28.4#

