

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
 Data File : VL042388.D
 Acq On : 18 Apr 2025 13:12
 Operator : SY/MD
 Sample : Q1726-02DL2 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-6-03312025DL2

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 22:58:20 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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	132986	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	409322	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	354583	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	288297	9.894	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	1157	0.124	ppbv #	76
9) Propene	1.489	41	1101	0.108	ppbv #	80
10) Heptane	4.968	43	3875m	0.135	ppbv	
13) Ethanol	1.719	45	8476	5.234	ppbv	85
15) Acetone	1.832	43	132763	6.098	ppbv	98
19) Isopropyl Alcohol	1.884	45	7402	0.612	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	17626m	0.231	ppbv	
53) Toluene	6.930	91	36363	0.686	ppbv	100
58) Ethyl Benzene	9.348	91	9406m	0.134	ppbv	
59) m/p-Xylene	9.526	91	27952	0.494	ppbv	96
60) o-Xylene	9.956	91	10620m	0.186	ppbv	
74) 1,2,4-Trimethylbenzene	11.532	105	17448	0.243	ppbv #	63

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

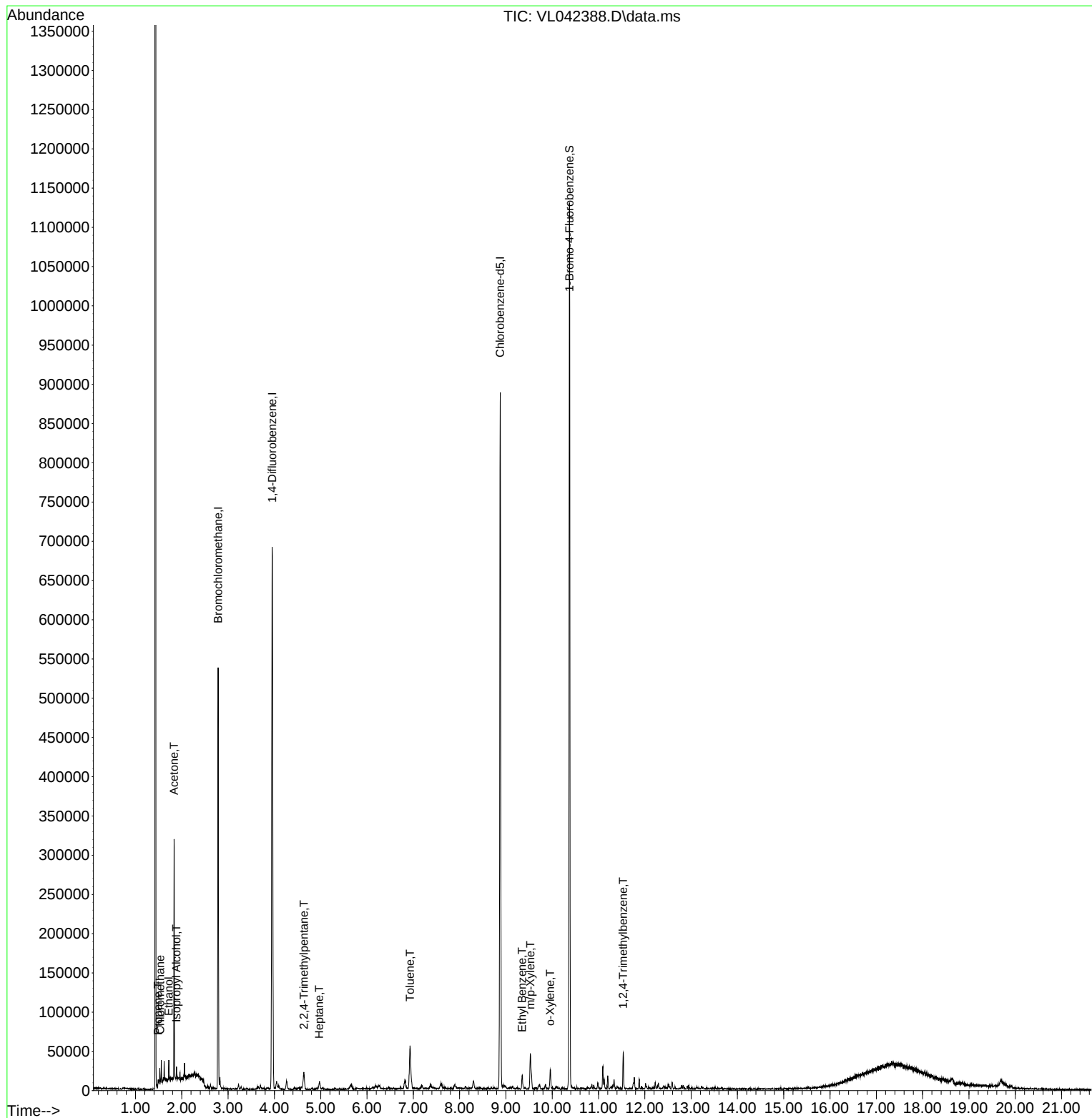
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041825\
Data File : VL042388.D
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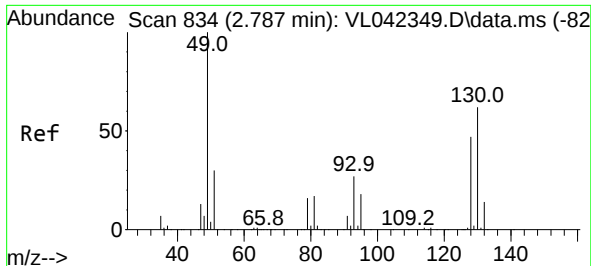
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025DL2

Quant Time: Apr 18 22:58:20 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

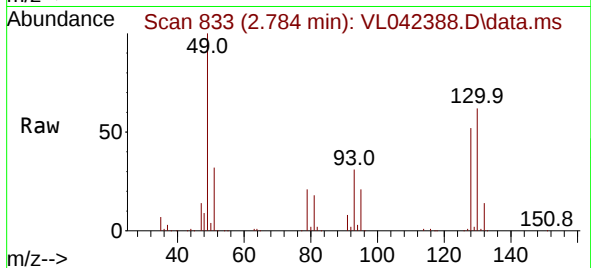
Reviewed By : Semsettin Yesilyurt 04/21/2025
Supervised By : Mahesh Dadoda 04/21/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

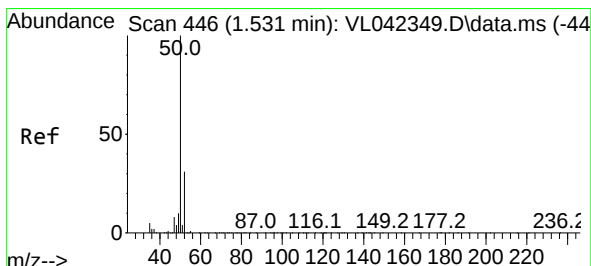
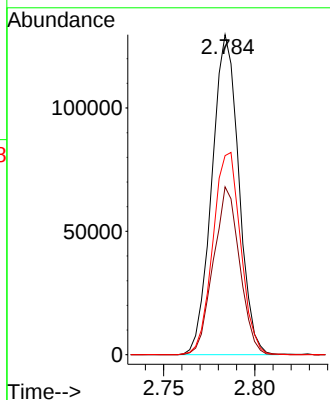
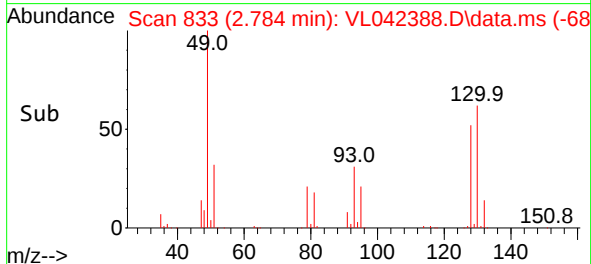
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025DL2



Tgt Ion: 49 Resp: 132980
Ion Ratio Lower Upper
49 100
128 51.2 22.8 68.4
130 65.3 29.3 88.0

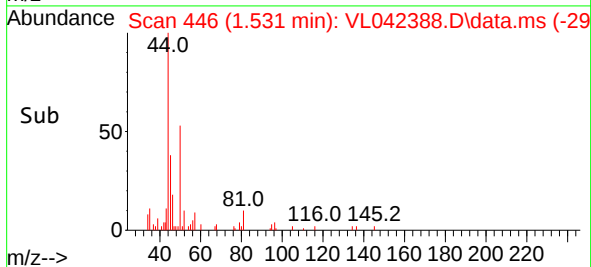
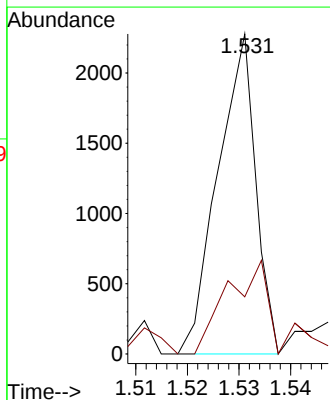
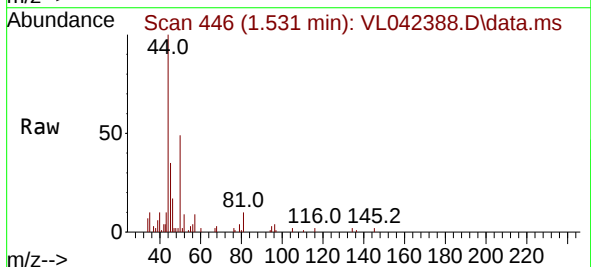
Manual Integrations
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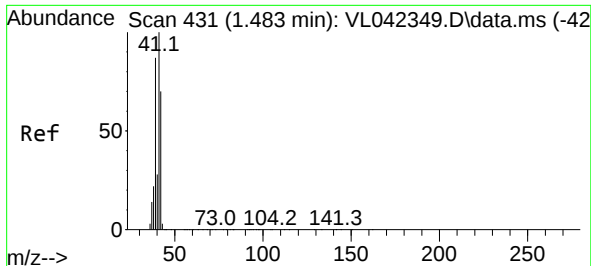
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#4
Chloromethane
Concen: 0.124 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

Tgt Ion: 50 Resp: 1157
Ion Ratio Lower Upper
50 100
52 17.9 24.7 37.1#





#9

Propene

Concen: 0.108 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042388.D

Acq: 18 Apr 2025 13:12

Instrument :

MSVOA_L

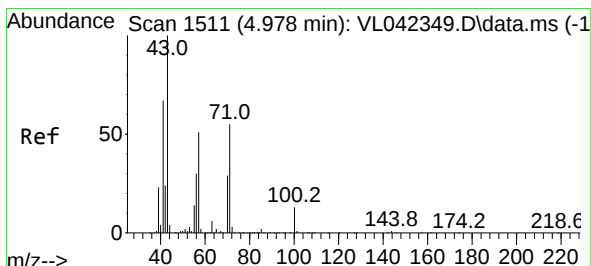
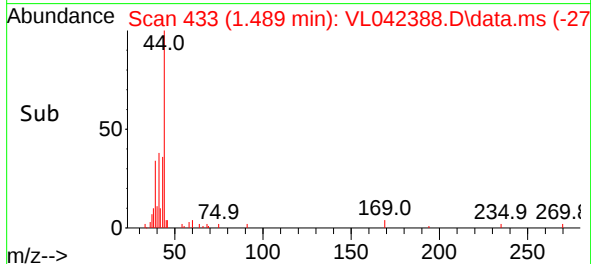
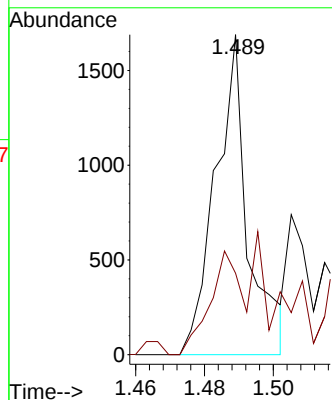
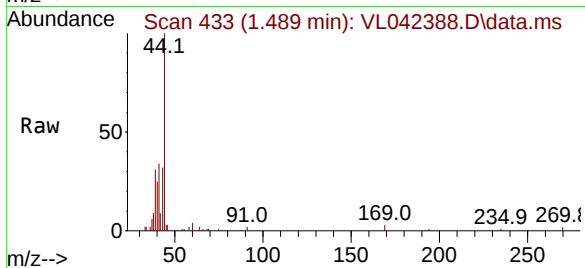
ClientSampleId :

IA-B2-6-03312025DL2

Tgt Ion: 41 Resp: 110
 Ion Ratio Lower Upper
 41 100
 42 86.9 56.2 84.4

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



#10

Heptane

Concen: 0.135 ppbv m

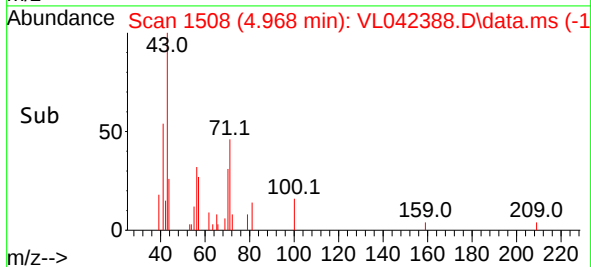
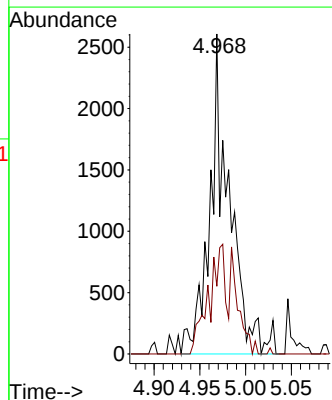
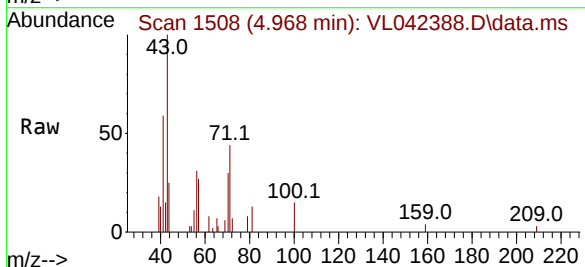
RT: 4.968 min Scan# 1508

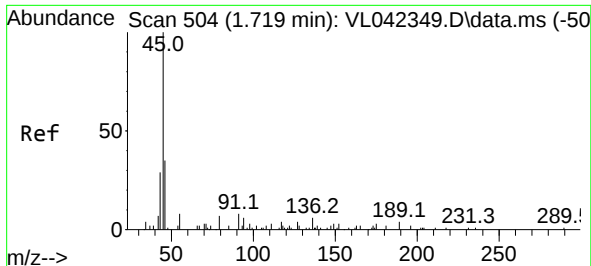
Delta R.T. -0.010 min

Lab File: VL042388.D

Acq: 18 Apr 2025 13:12

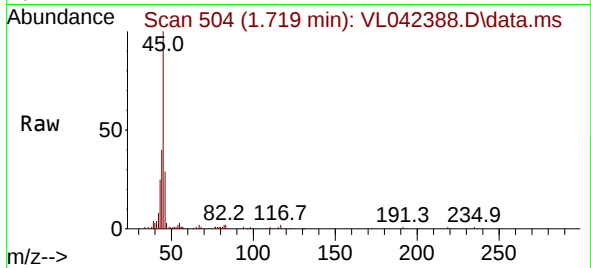
Tgt Ion: 43 Resp: 3875
 Ion Ratio Lower Upper
 43 100
 57 43.3 39.9 59.9





#13
Ethanol
Concen: 5.234 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

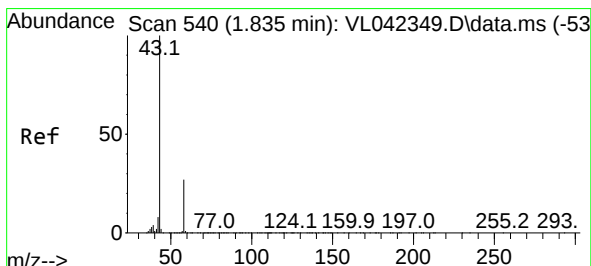
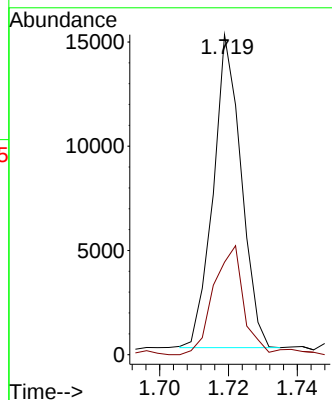
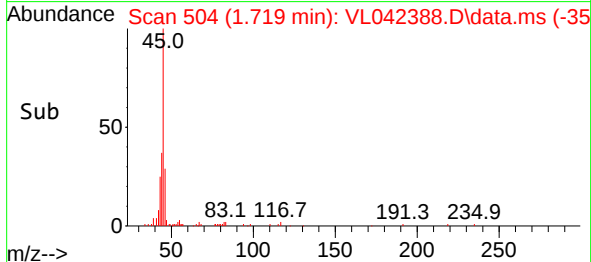
Instrument : MSVOA_L
ClientSampleId : IA-B2-6-03312025DL2



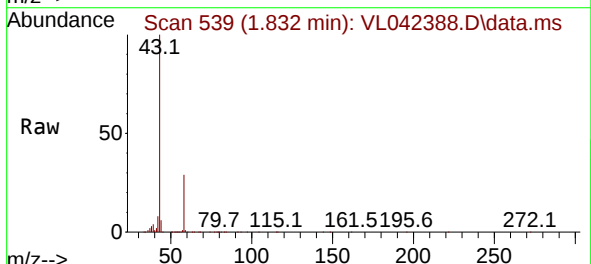
Tgt Ion: 45 Resp: 8470
Ion Ratio Lower Upper
45 100
46 44.0 21.9 87.7

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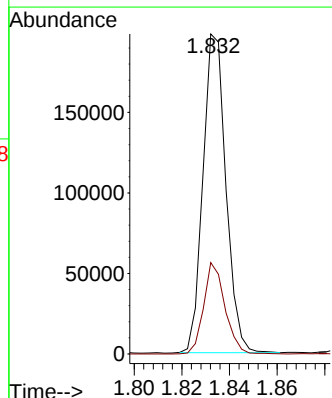
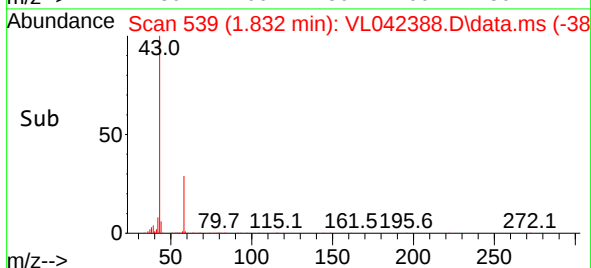
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

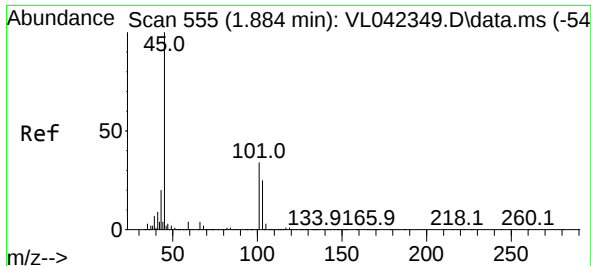


#15
Acetone
Concen: 6.098 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.003 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12



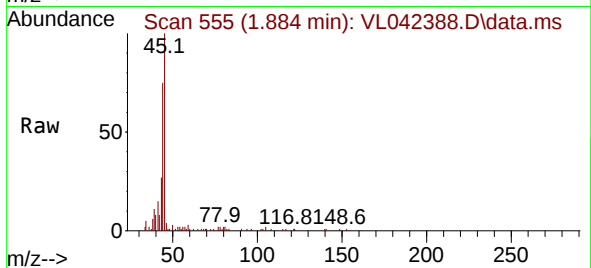
Tgt Ion: 43 Resp: 132763
Ion Ratio Lower Upper
43 100
58 26.9 22.4 33.6





#19
Isopropyl Alcohol
Concen: 0.612 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

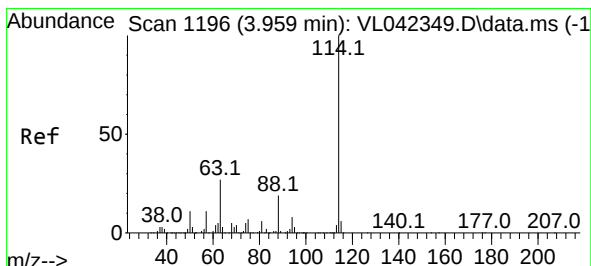
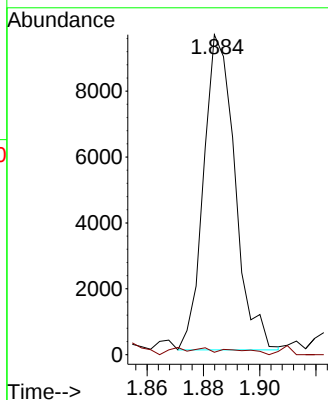
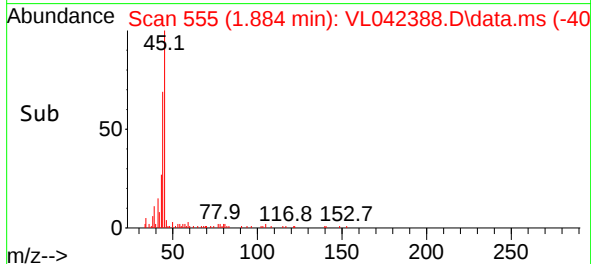
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025DL2



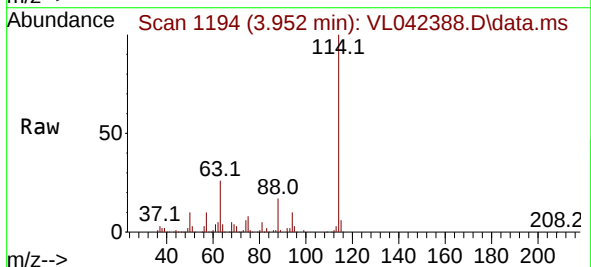
Tgt Ion: 45 Resp: 740
Ion Ratio Lower Upper
45 100
58 482.1 34.5 51.7

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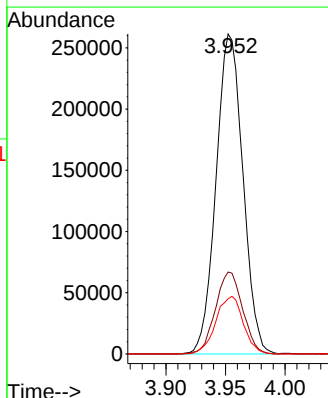
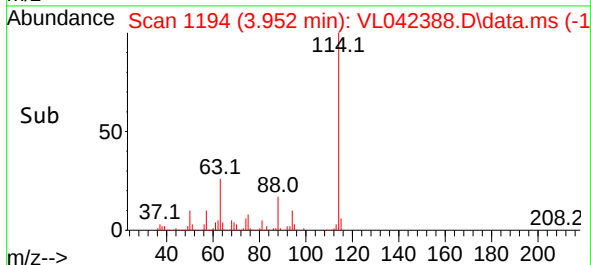
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025

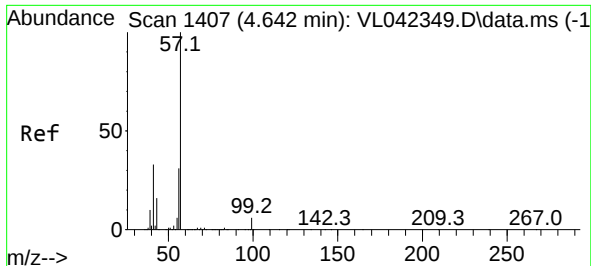


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12



Tgt Ion:114 Resp: 409322
Ion Ratio Lower Upper
114 100
63 25.9 21.8 32.6
88 18.4 15.5 23.3





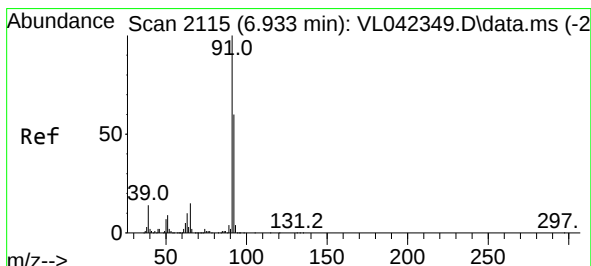
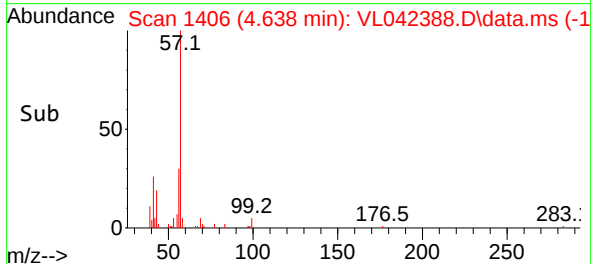
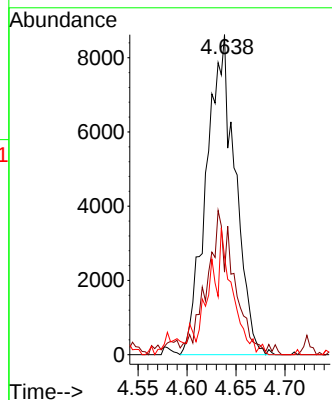
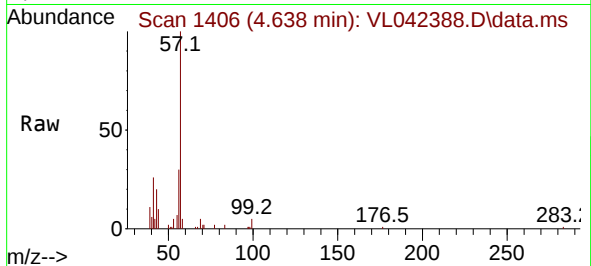
#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv m
RT: 4.638 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025DL2

Tgt Ion: 57 Resp: 17620
Ion Ratio Lower Upper
57 100
41 45.9 27.2 40.8
56 32.0 25.7 38.5

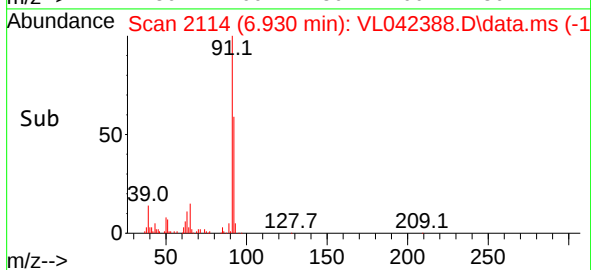
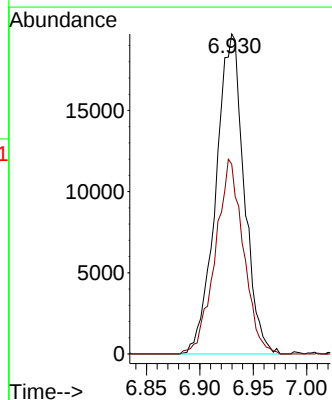
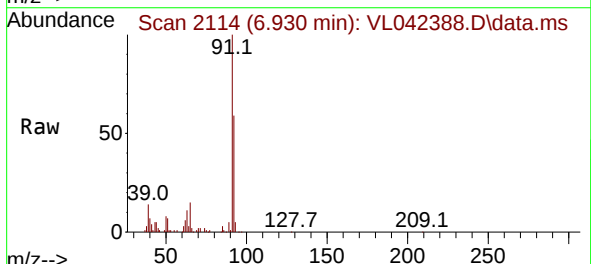
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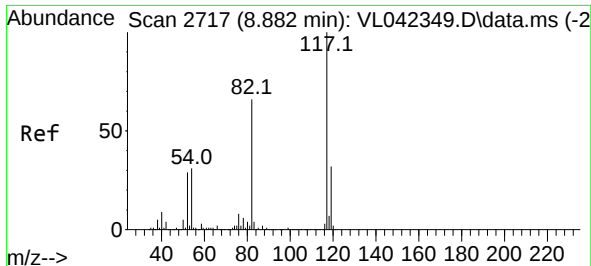
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#53
Toluene
Concen: 0.686 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.003 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

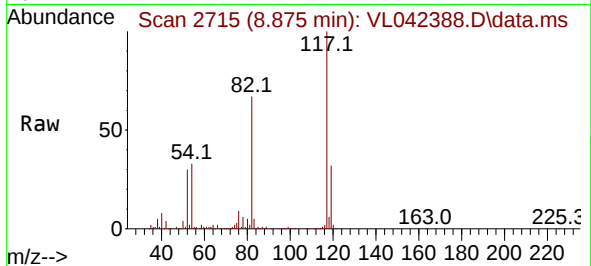
Tgt Ion: 91 Resp: 36363
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

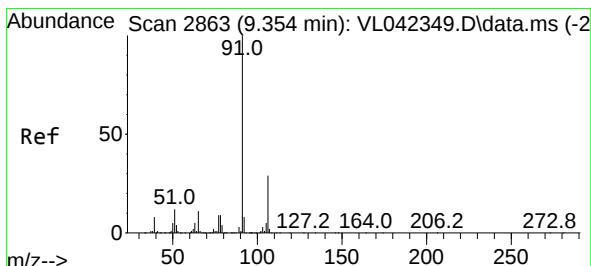
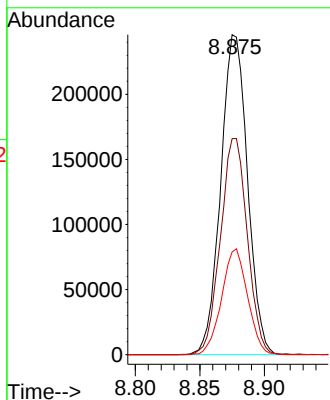
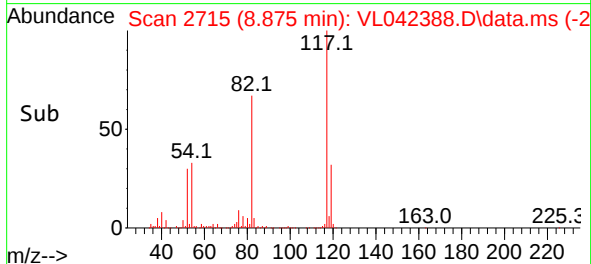
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-6-03312025DL2



Tgt Ion: 117 Resp: 35458
Ion Ratio Lower Upper
117 100
82 67.7 57.8 86.6
119 32.1 25.2 37.8

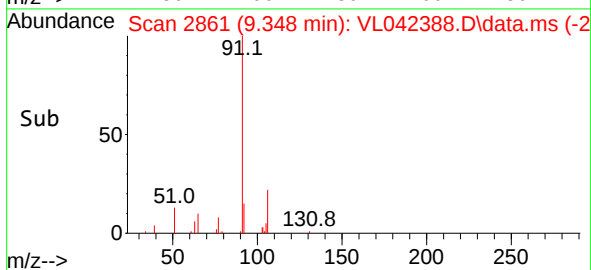
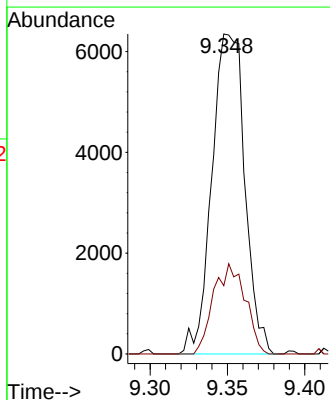
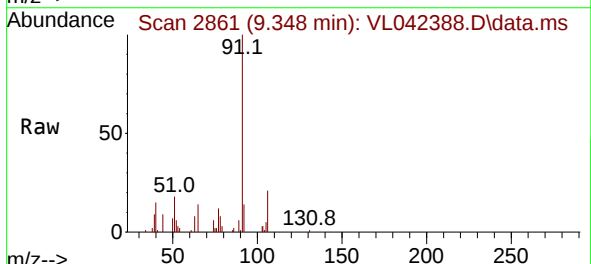
Manual Integrations
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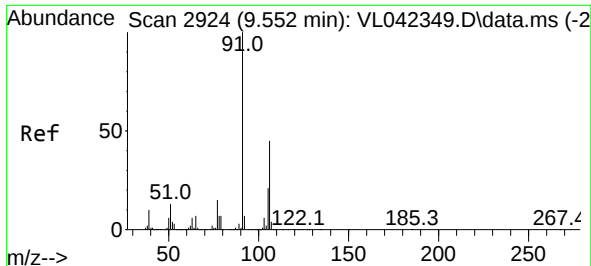
Reviewed By :Semsettin Yesilyurt 04/21/2025
Supervised By :Mahesh Dadoda 04/21/2025



#58
Ethyl Benzene
Concen: 0.134 ppbv m
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

Tgt Ion: 91 Resp: 9406
Ion Ratio Lower Upper
91 100
106 21.3 23.0 34.4#





#59

m/p-Xylene

Concen: 0.494 ppbv

RT: 9.526 min Scan# 2916

Delta R.T. -0.026 min

Lab File: VL042388.D

Acq: 18 Apr 2025 13:12

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-6-03312025DL2

Tgt Ion: 91 Resp: 27952

Ion Ratio Lower Upper

91 100

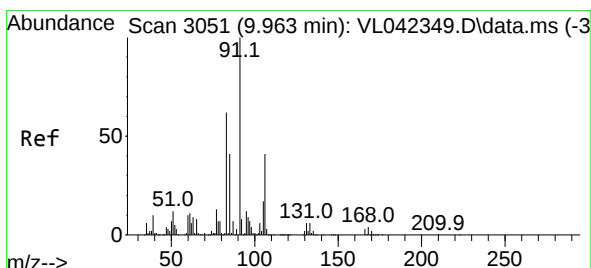
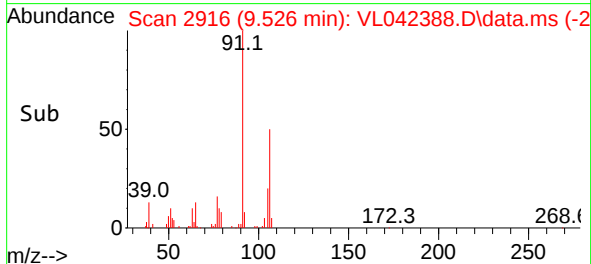
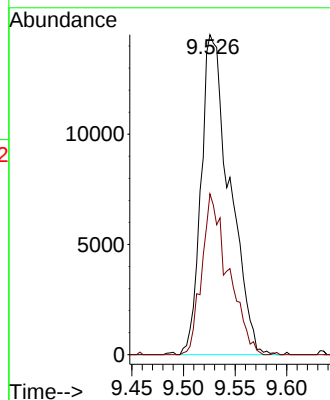
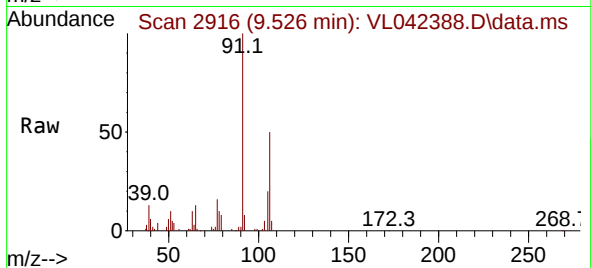
106 46.6 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/21/2025

Supervised By :Mahesh Dadoda 04/21/2025



#60

o-Xylene

Concen: 0.186 ppbv m

RT: 9.956 min Scan# 3049

Delta R.T. -0.006 min

Lab File: VL042388.D

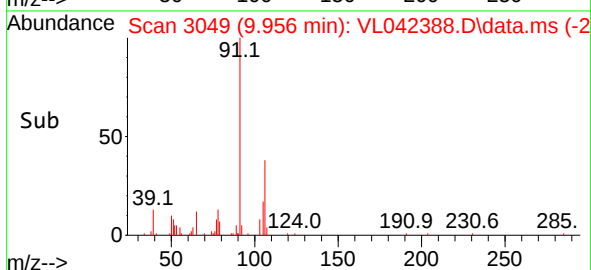
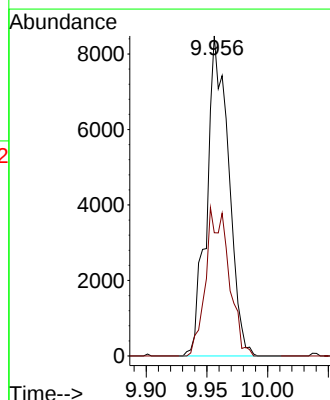
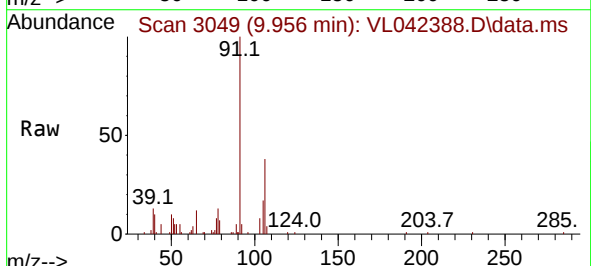
Acq: 18 Apr 2025 13:12

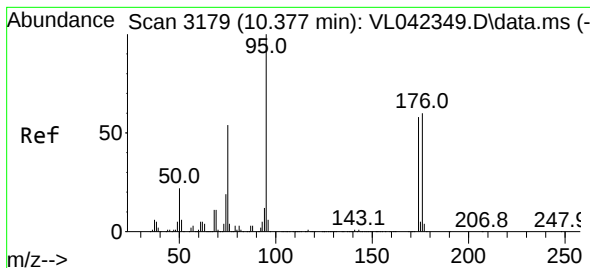
Tgt Ion: 91 Resp: 10620

Ion Ratio Lower Upper

91 100

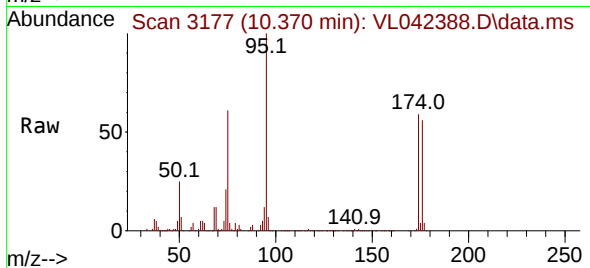
106 48.9 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.894 ppbv
RT: 10.370 min Scan# 3179
Delta R.T. -0.006 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

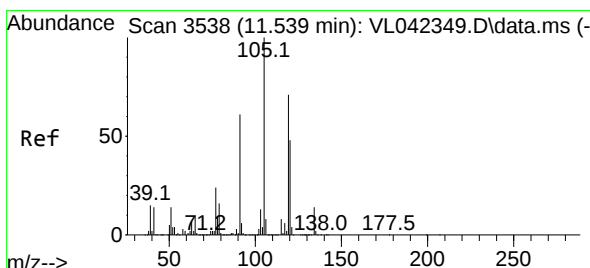
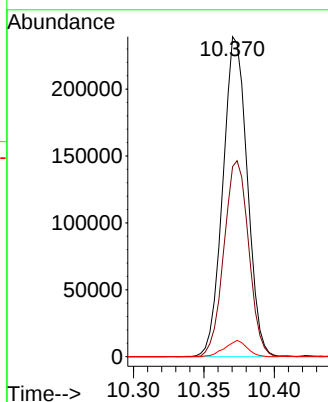
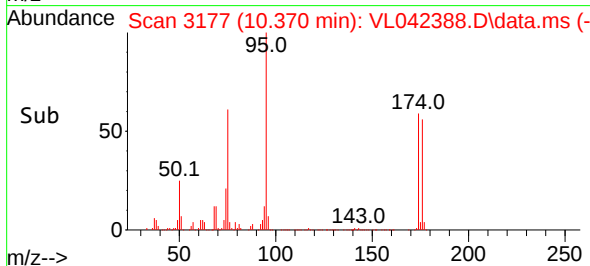
Instrument : MSVOA_L
ClientSampleId : IA-B2-6-03312025DL2



Tgt Ion: 95 Resp: 28829
Ion Ratio Lower Upper
95 100
174 62.2 48.5 72.7
175 4.7 3.7 5.5

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.243 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL042388.D
Acq: 18 Apr 2025 13:12

Tgt Ion:105 Resp: 17448
Ion Ratio Lower Upper
105 100
120 34.1 38.1 57.1#
91 18.1 48.8 73.2#
77 13.5 19.0 28.4#

