

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042378.D
 Acq On : 18 Apr 2025 02:32
 Operator : SY/MD
 Sample : Q1726-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-03312025DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

Quant Time: Apr 18 04:40:41 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	2.787	49	92120	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	265690	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	228865	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	194344	10.334	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%
Target Compounds						
					Qvalue	
4) Chloromethane	1.531	50	967	0.150	ppbv #	76
9) Propene	1.486	41	1814m	0.257	ppbv	
10) Heptane	4.988	43	3174m	0.160	ppbv	
13) Ethanol	1.722	45	14985	13.357	ppbv	75
15) Acetone	1.835	43	643033	42.641	ppbv	99
19) Isopropyl Alcohol	1.887	45	20625	2.462	ppbv #	1
34) 2-Butanone	2.564	43	2187	0.104	ppbv	92
44) 2,2,4-Trimethylpentane	4.638	57	19367m	0.391	ppbv	
53) Toluene	6.936	91	30658	0.891	ppbv	99
58) Ethyl Benzene	9.354	91	7859	0.173	ppbv	94
59) m/p-Xylene	9.532	91	21995m	0.602	ppbv	
60) o-Xylene	9.963	91	8584	0.233	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	4209m	0.106	ppbv	
74) 1,2,4-Trimethylbenzene	11.536	105	13380	0.289	ppbv #	60

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

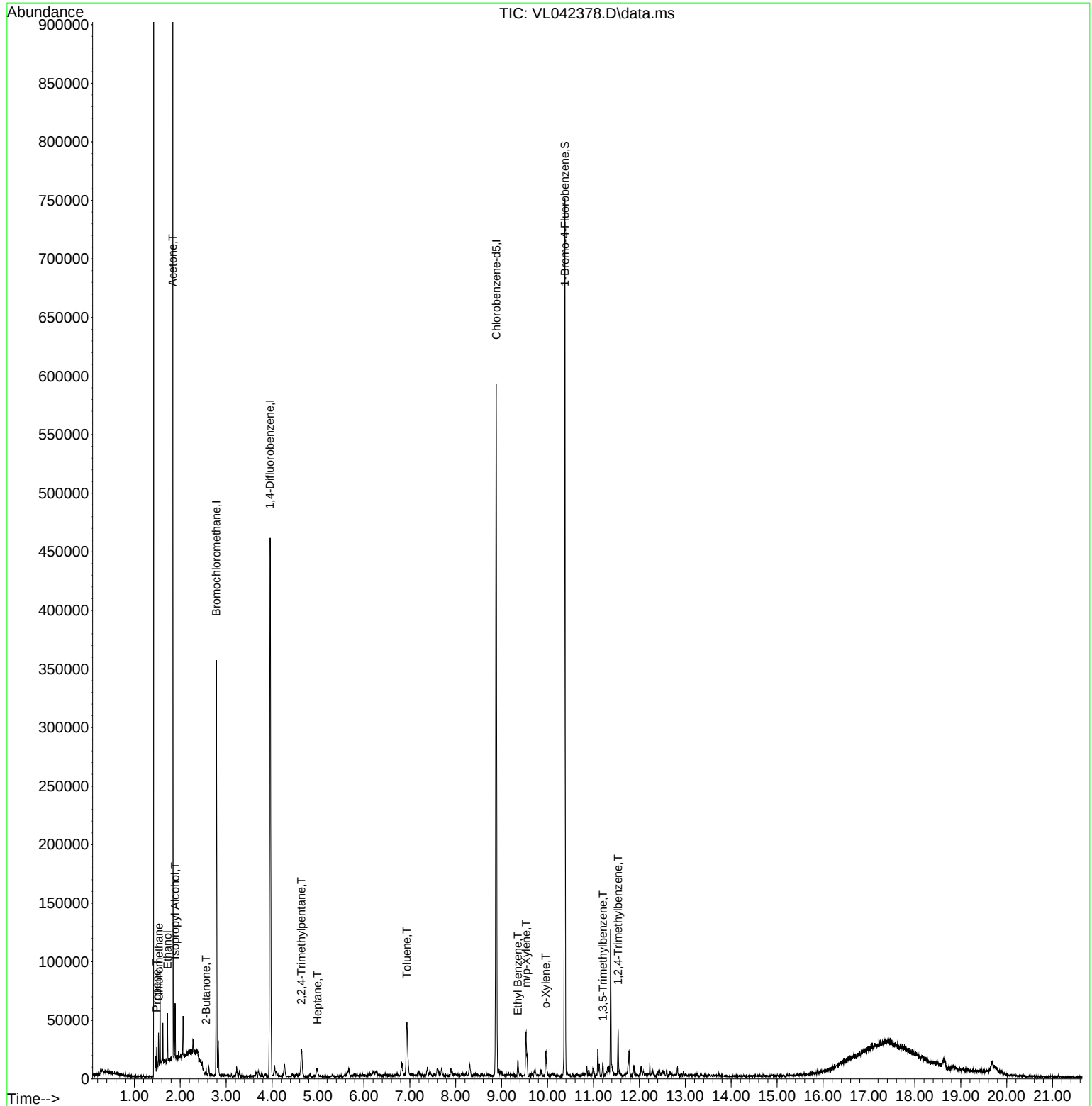
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042378.D
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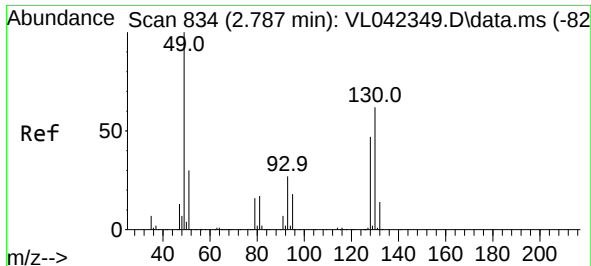
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL

Quant Time: Apr 18 04:40:41 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

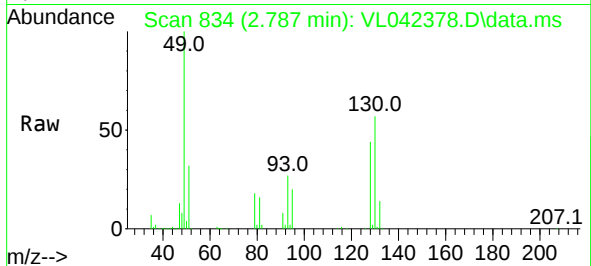
Reviewed By : Semsettin Yesilyurt 04/18/2025
Supervised By : Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

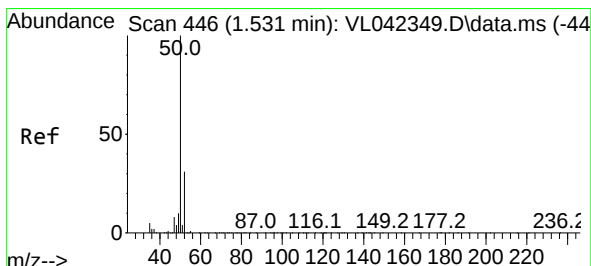
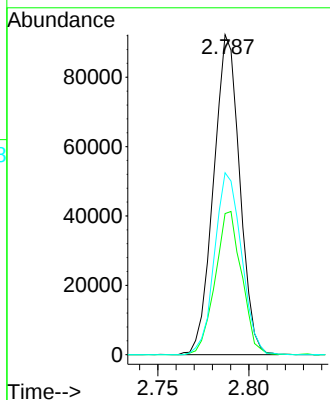
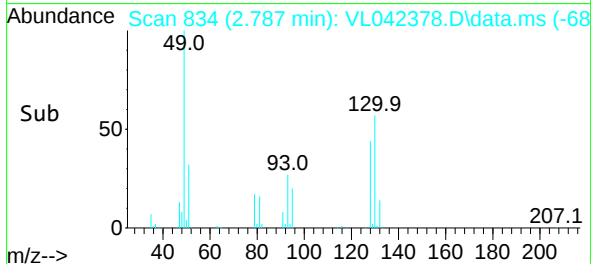
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL



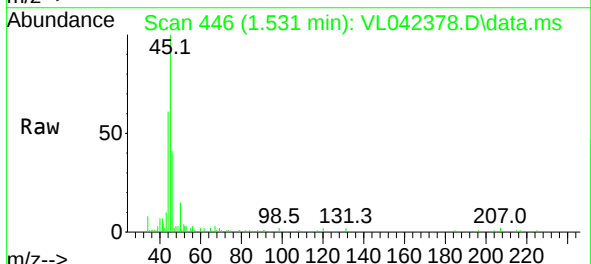
Tgt Ion: 49 Resp: 92120
Ion Ratio Lower Upper
49 100
128 45.5 22.8 68.4
130 58.7 29.3 88.0

Manual Integrations
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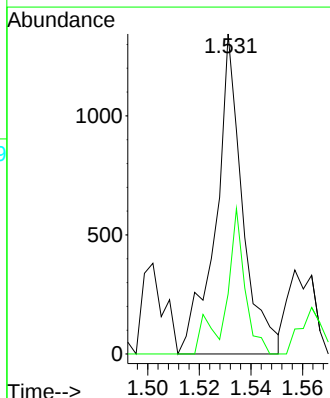
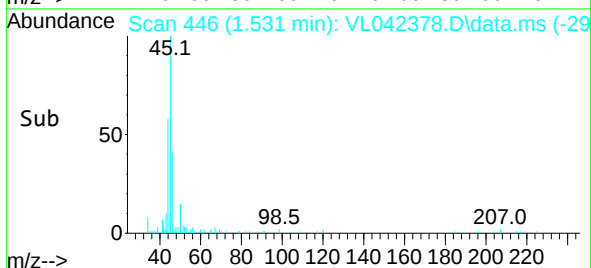
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

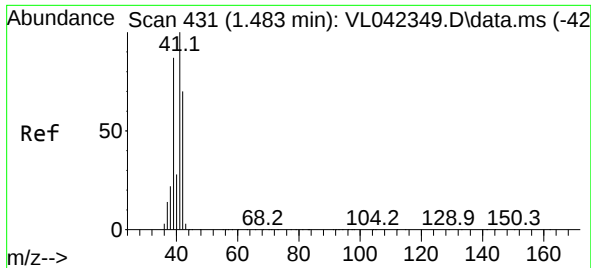


#4
Chloromethane
Concen: 0.150 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32



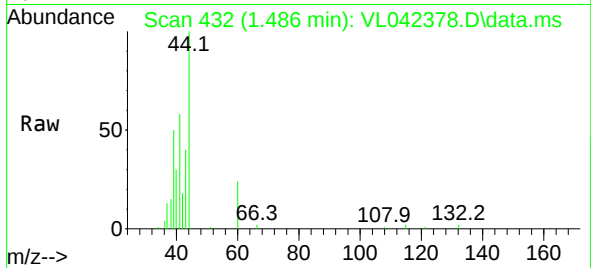
Tgt Ion: 50 Resp: 967
Ion Ratio Lower Upper
50 100
52 17.5 24.7 37.1#





#9
 Propene
 Concen: 0.257 ppbv m
 RT: 1.486 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042378.D
 Acq: 18 Apr 2025 02:32

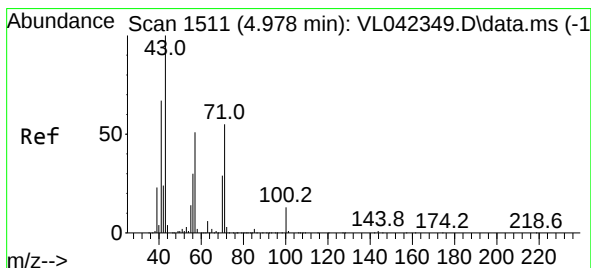
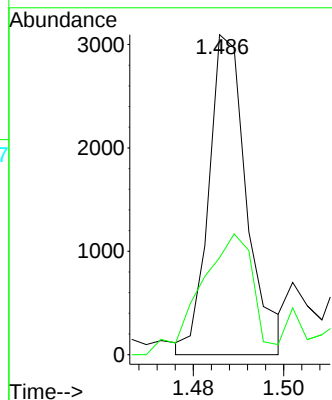
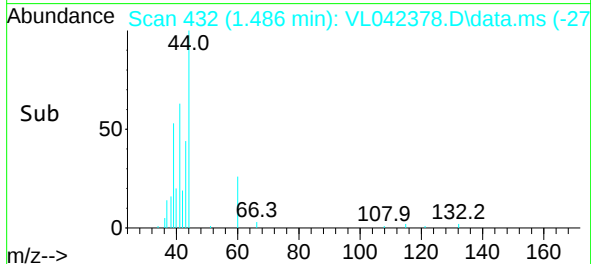
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-2-03312025DL



Tgt Ion: 41 Resp: 1814
 Ion Ratio Lower Upper
 41 100
 42 285.0 56.2 84.4

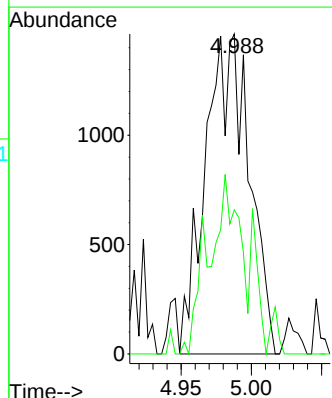
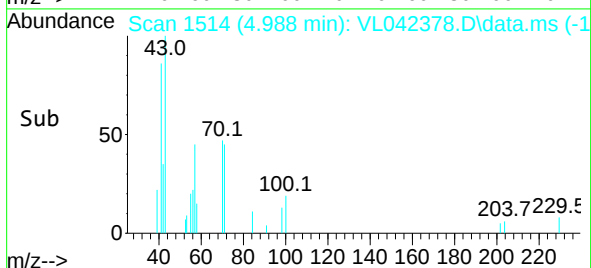
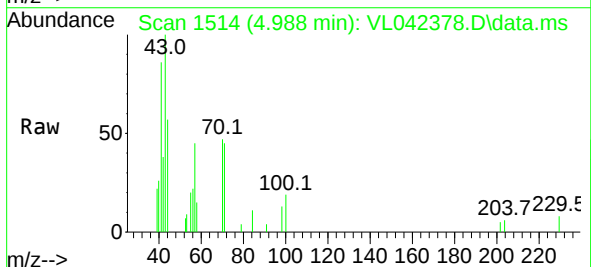
Manual Integrations
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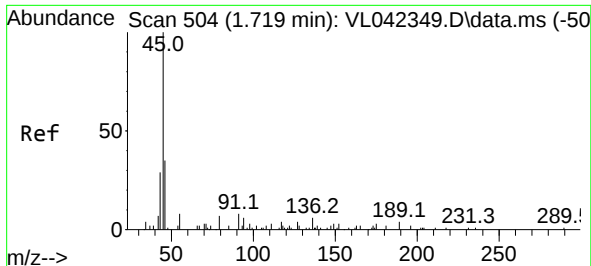
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025



#10
 Heptane
 Concen: 0.160 ppbv m
 RT: 4.988 min Scan# 1514
 Delta R.T. 0.010 min
 Lab File: VL042378.D
 Acq: 18 Apr 2025 02:32

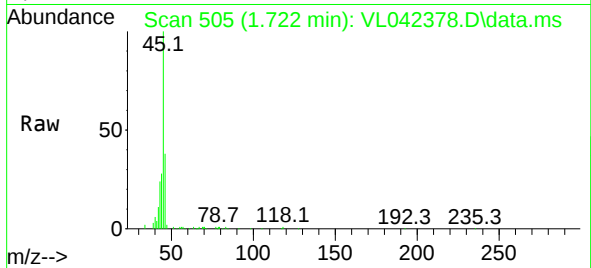
Tgt Ion: 43 Resp: 3174
 Ion Ratio Lower Upper
 43 100
 57 50.0 39.9 59.9





#13
Ethanol
Concen: 13.357 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

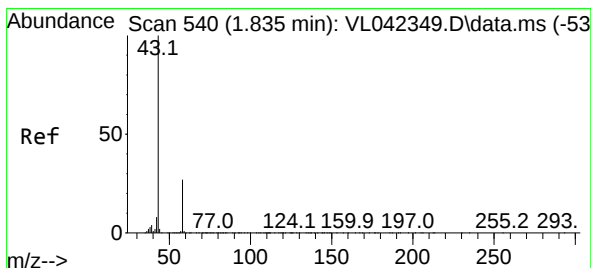
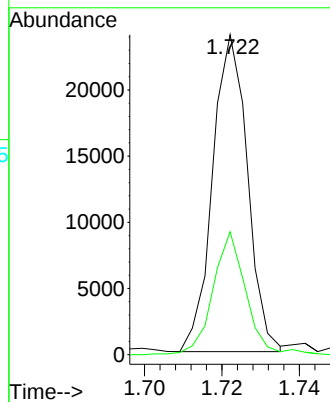
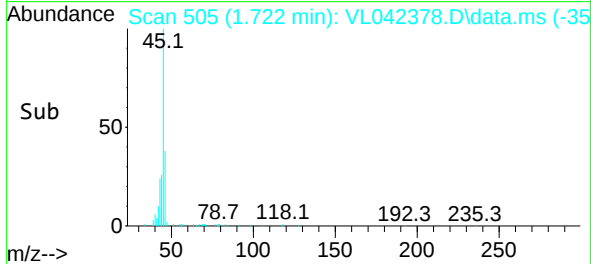
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL



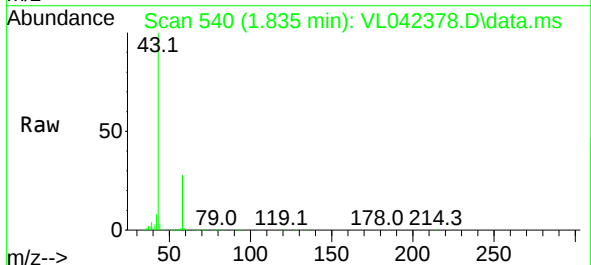
Tgt Ion: 45 Resp: 1498
Ion Ratio Lower Upper
45 100
46 36.7 21.9 87.7

Manual Integrations
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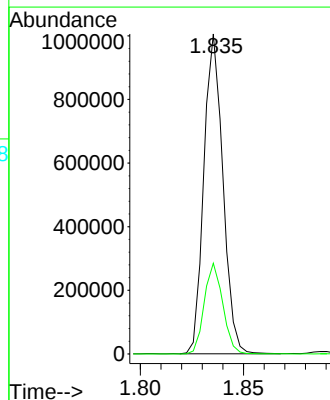
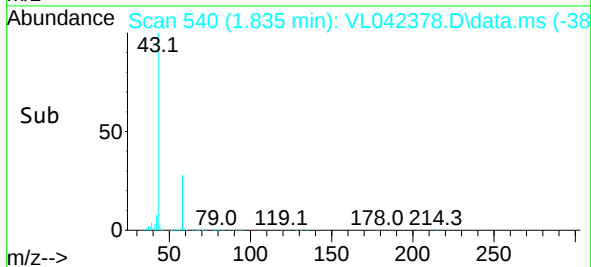
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

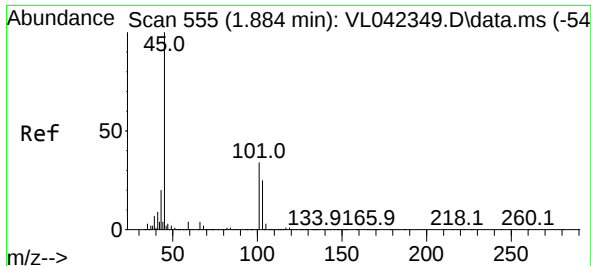


#15
Acetone
Concen: 42.641 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32



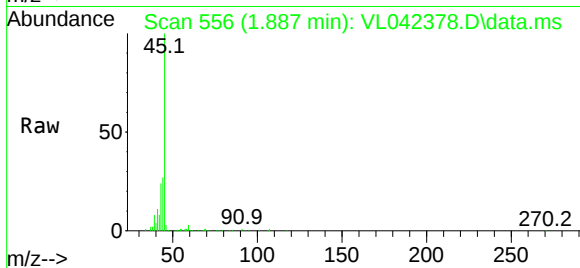
Tgt Ion: 43 Resp: 643033
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6





#19
Isopropyl Alcohol
Concen: 2.462 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

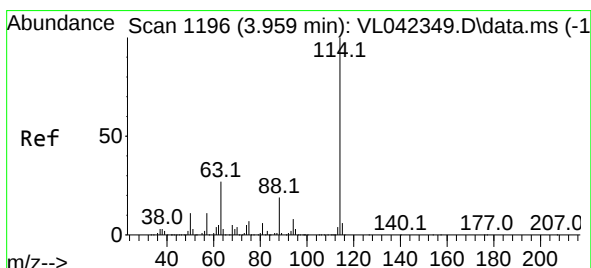
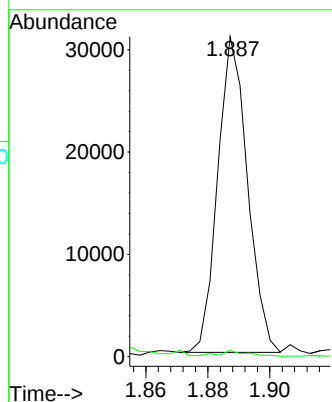
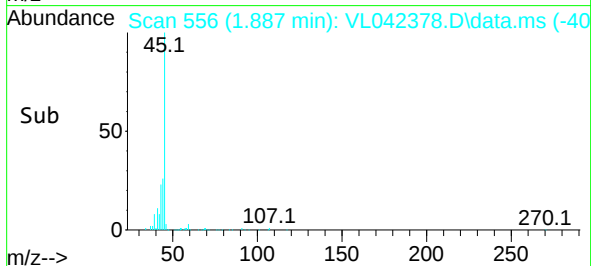
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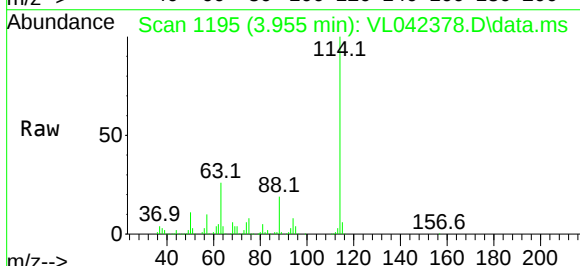
Tgt Ion: 45 Resp: 20625
Ion Ratio Lower Upper
45 100
58 861.8 34.5 51.7

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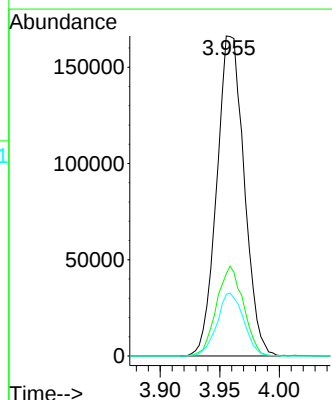
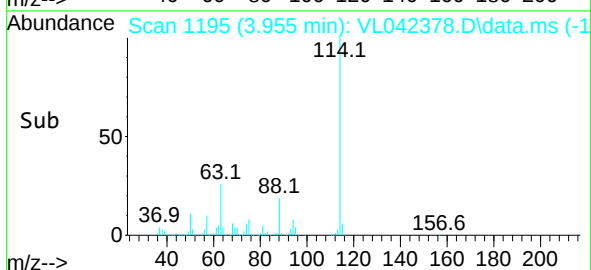
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

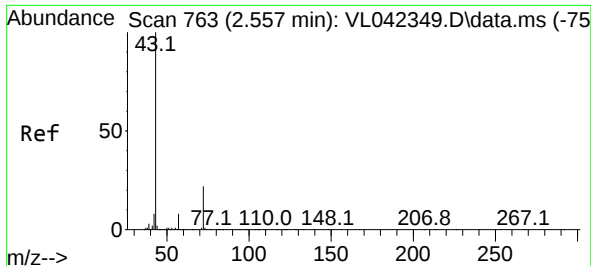


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32



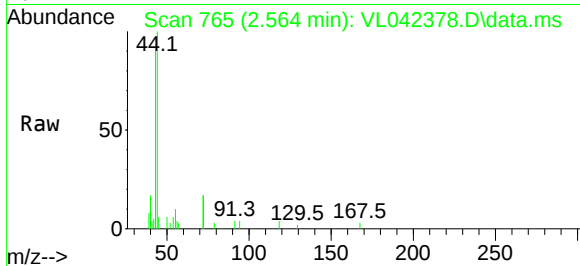
Tgt Ion:114 Resp: 265690
Ion Ratio Lower Upper
114 100
63 27.5 21.8 32.6
88 19.1 15.5 23.3





#34
2-Butanone
Concen: 0.104 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.006 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

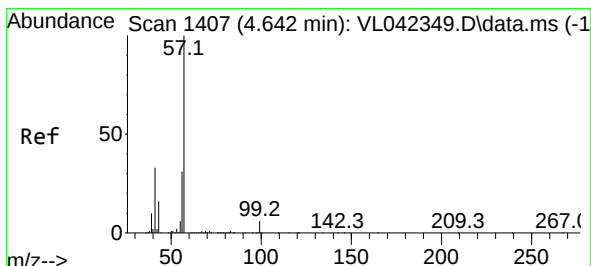
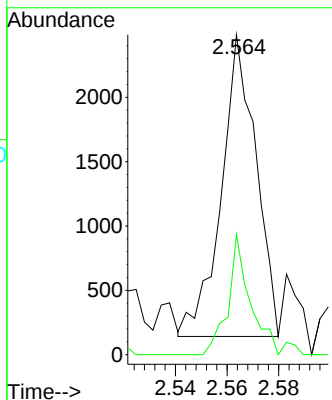
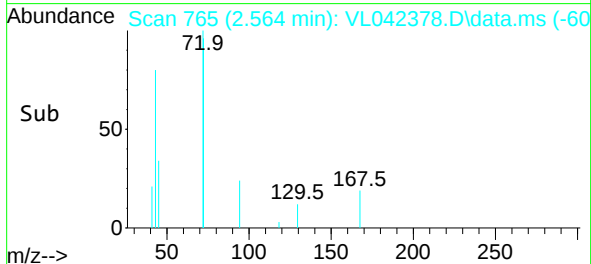
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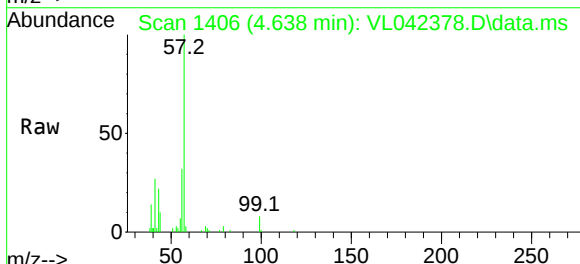
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
72 26.7 18.2 27.2

Manual Integrations
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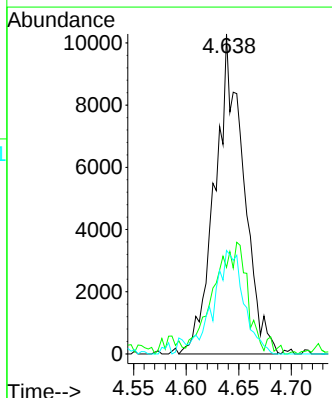
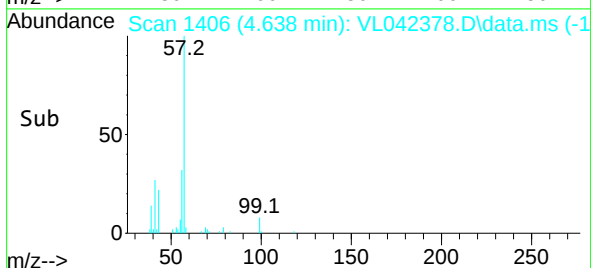
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

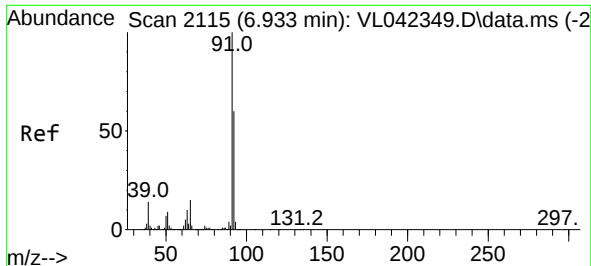


#44
2,2,4-Trimethylpentane
Concen: 0.391 ppbv m
RT: 4.638 min Scan# 1406
Delta R.T. -0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32



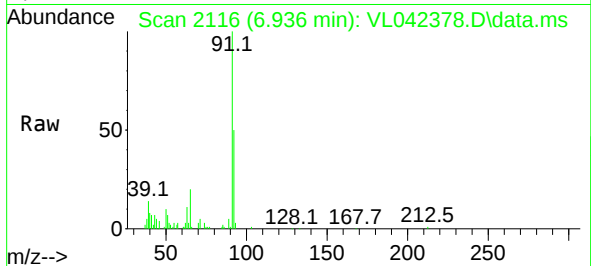
Tgt Ion: 57 Resp: 19367
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 36.6 25.7 38.5





#53
Toluene
Concen: 0.891 ppbv
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

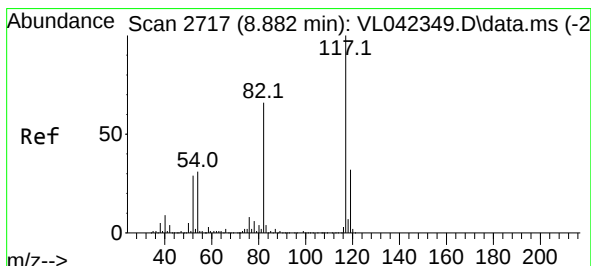
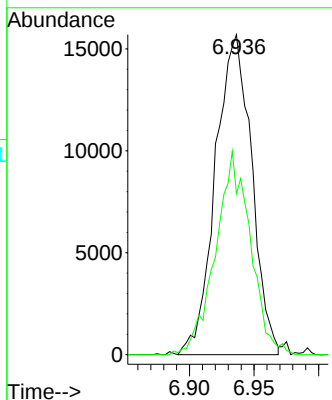
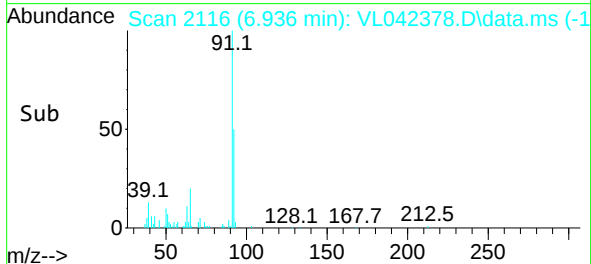
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-2-03312025DL



Tgt Ion: 91 Resp: 30658
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.4

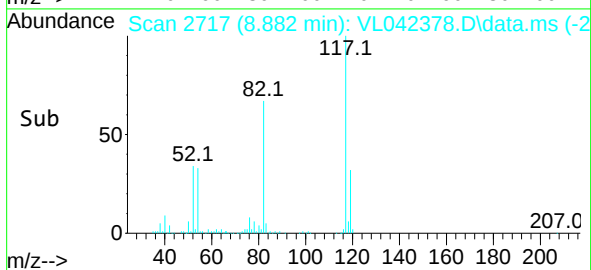
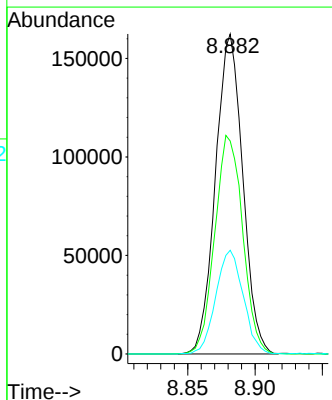
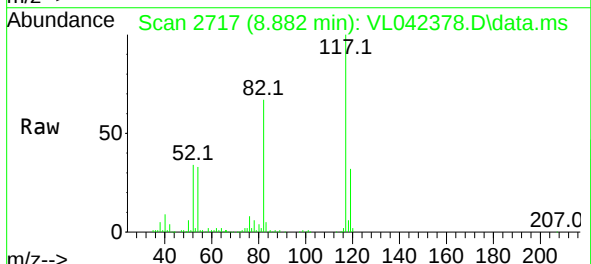
Manual Integrations
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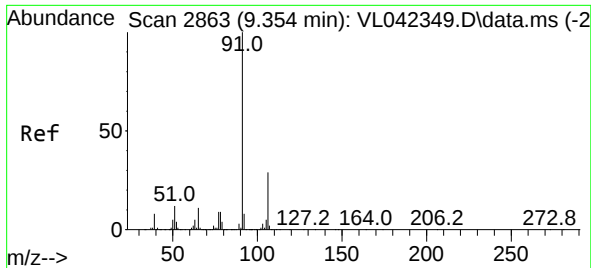
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

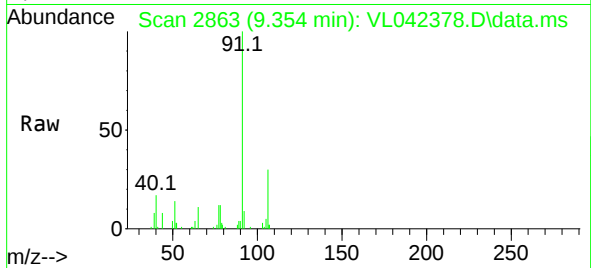
Tgt Ion:117 Resp: 228865
Ion Ratio Lower Upper
117 100
82 69.8 57.8 86.6
119 32.7 25.2 37.8





#58
Ethyl Benzene
Concen: 0.173 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

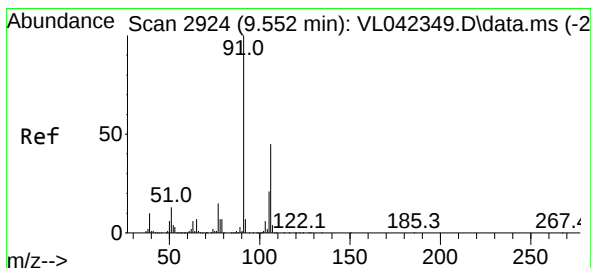
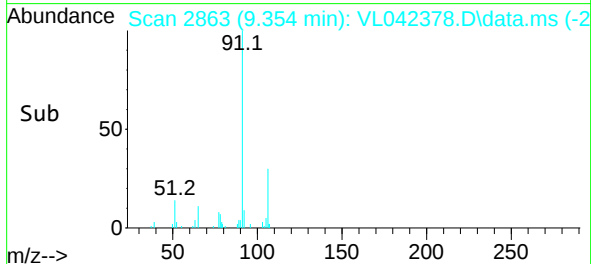
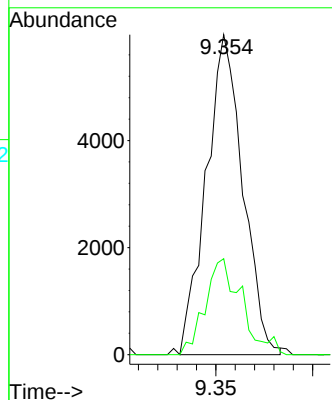
Instrument : MSVOA_L
ClientSampleId : IA-B2-2-03312025DL



Tgt Ion: 91 Resp: 7859
Ion Ratio Lower Upper
91 100
106 31.6 23.0 34.4

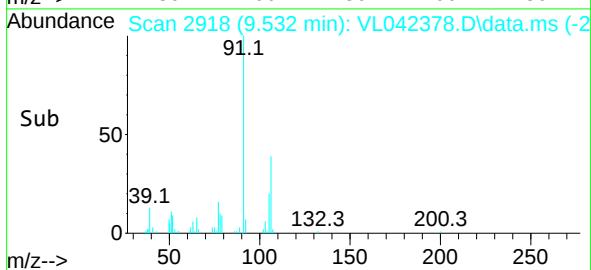
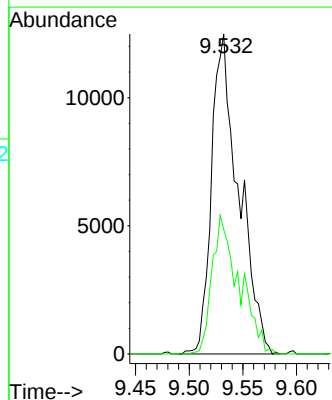
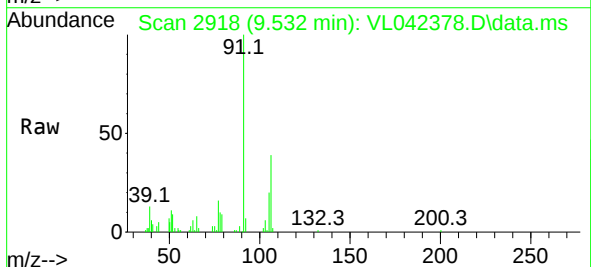
Manual Integrations
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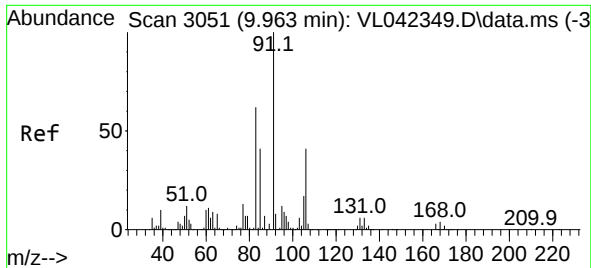
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#59
m/p-Xylene
Concen: 0.602 ppbv m
RT: 9.532 min Scan# 2918
Delta R.T. -0.019 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

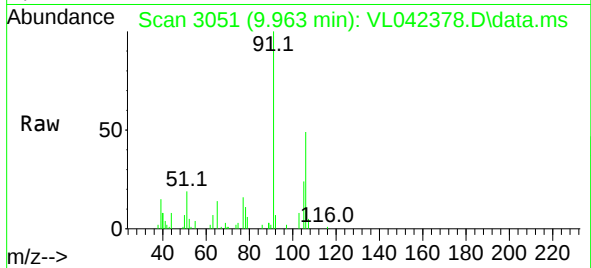
Tgt Ion: 91 Resp: 21995
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.233 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32

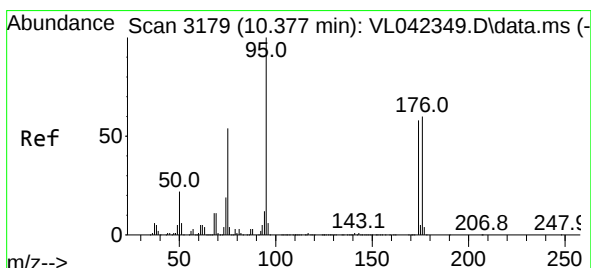
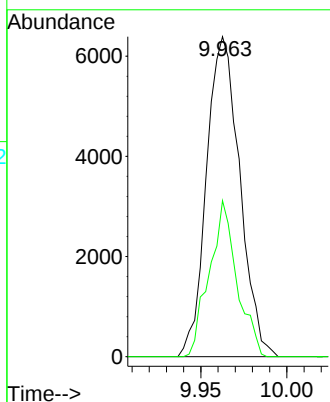
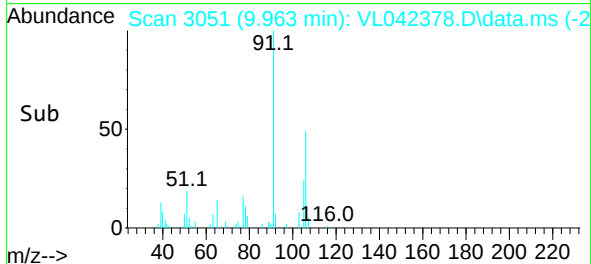
Instrument : MSVOA_L
ClientSampleId : IA-B2-2-03312025DL



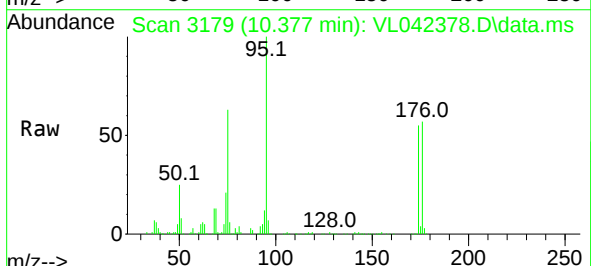
Tgt Ion: 91 Resp: 8584
Ion Ratio Lower Upper
91 100
106 40.6 21.1 63.4

Manual Integrations
APPROVED

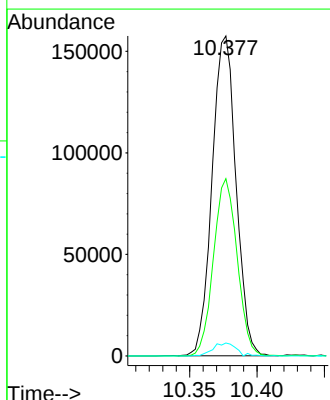
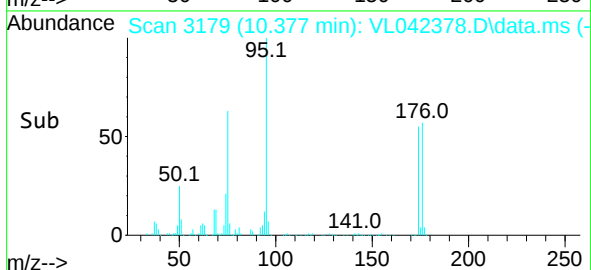
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

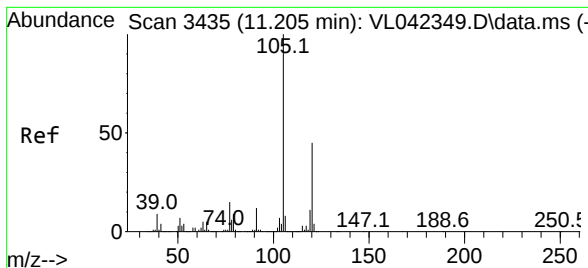


#68
1-Bromo-4-Fluorobenzene
Concen: 10.334 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042378.D
Acq: 18 Apr 2025 02:32



Tgt Ion: 95 Resp: 194344
Ion Ratio Lower Upper
95 100
174 55.0 48.5 72.7
175 4.0 3.7 5.5





#73

1,3,5-Trimethylbenzene

Concen: 0.106 ppbv m

RT: 11.209 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042378.D

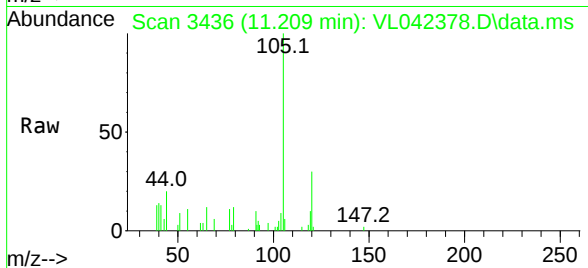
Acq: 18 Apr 2025 02:32

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-2-03312025DL



Tgt Ion:105 Resp: 4209

Ion Ratio Lower Upper

105 100

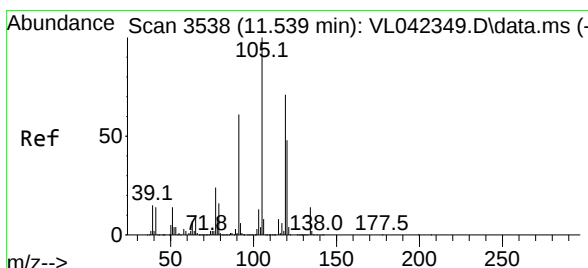
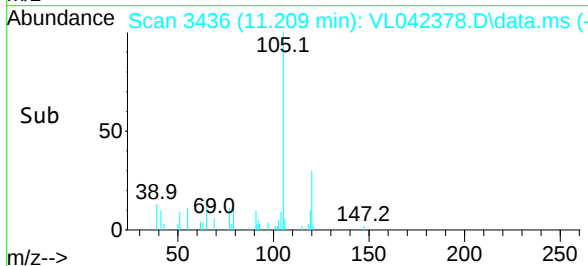
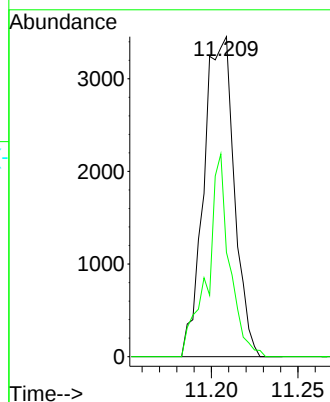
120 30.1 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/18/2025

Supervised By :Mahesh Dadoda 04/18/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.289 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL042378.D

Acq: 18 Apr 2025 02:32

Tgt Ion:105 Resp: 13380

Ion Ratio Lower Upper

105 100

120 39.2 38.1 57.1

91 8.5 48.8 73.2#

77 12.1 19.0 28.4#

