

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042381.D
 Acq On : 18 Apr 2025 04:05
 Operator : SY/MD
 Sample : Q1726-06DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-3-03312025DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 04:42:23 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	87593	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	246915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	211054	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	179405	10.344	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
9) Propene	1.486	41	1388m	0.207	ppbv	Qvalue
10) Heptane	4.965	43	3685m	0.195	ppbv	
13) Ethanol	1.719	45	19745	18.510	ppbv	80
15) Acetone	1.832	43	477735	33.317	ppbv	98
19) Isopropyl Alcohol	1.884	45	17914	2.249	ppbv #	1
34) 2-Butanone	2.557	43	3077m	0.158	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	22777	0.495	ppbv	93
53) Toluene	6.927	91	37165m	1.163	ppbv	
58) Ethyl Benzene	9.348	91	9155	0.219	ppbv	90
59) m/p-Xylene	9.526	91	26414m	0.784	ppbv	
60) o-Xylene	9.959	91	10141	0.299	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	4940	0.135	ppbv	87
74) 1,2,4-Trimethylbenzene	11.532	105	16215	0.379	ppbv #	61

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

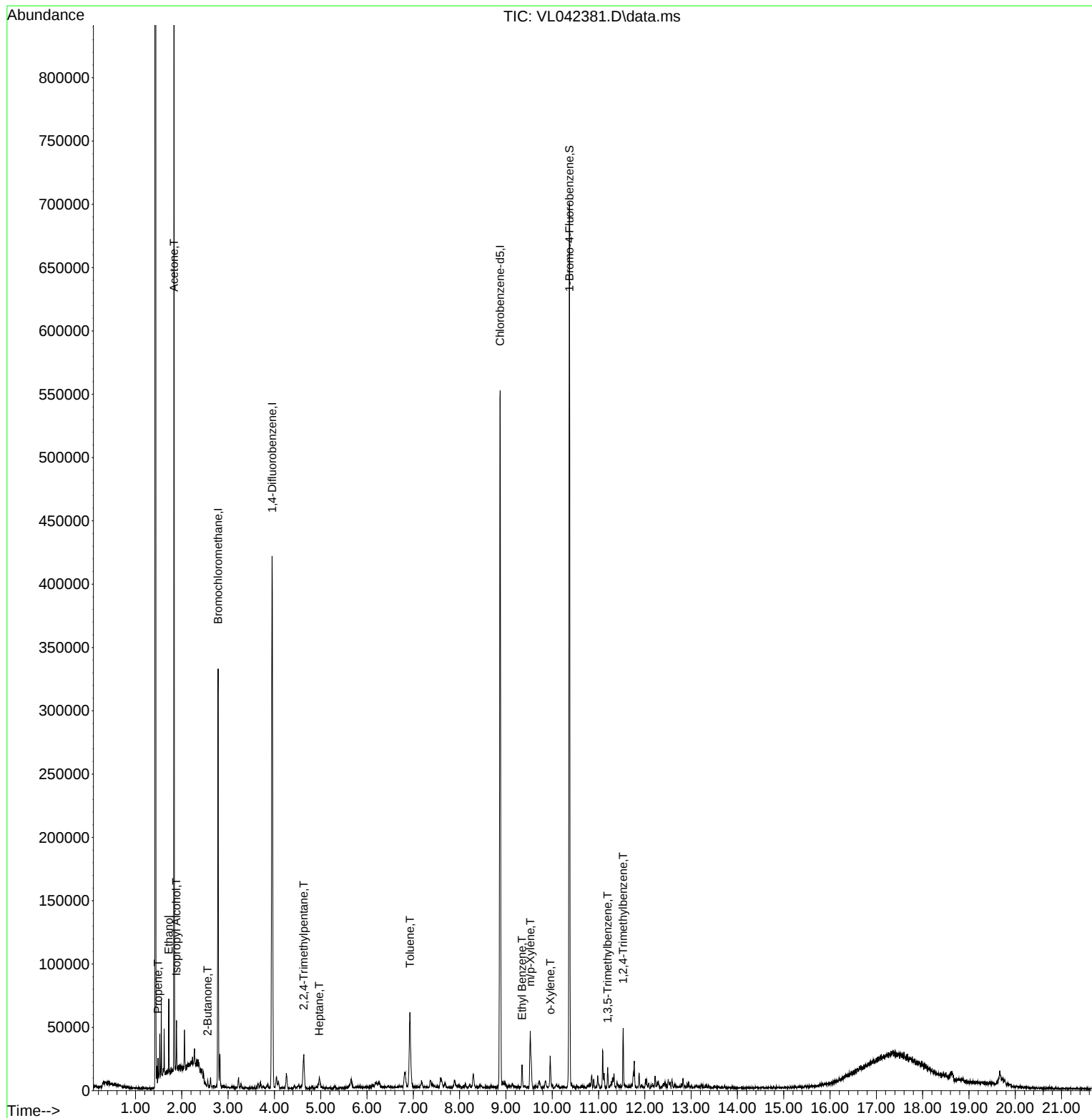
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042381.D
Acq On : 18 Apr 2025 04:05
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Misc : 400mL/MSVOA_L
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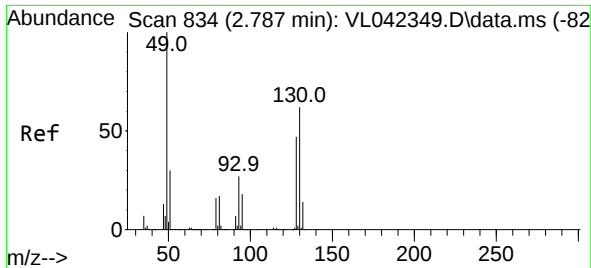
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL

Quant Time: Apr 18 04:42:23 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

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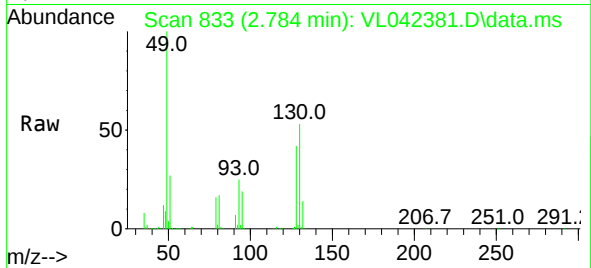
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

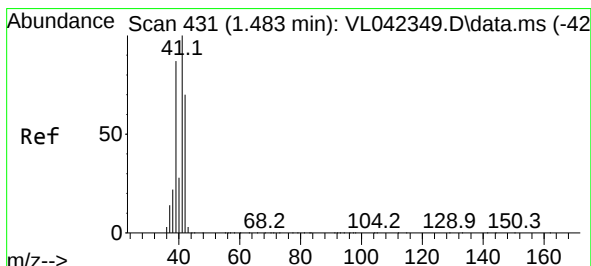
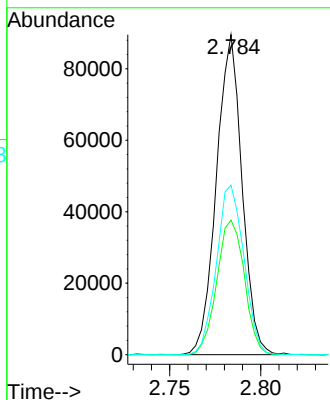
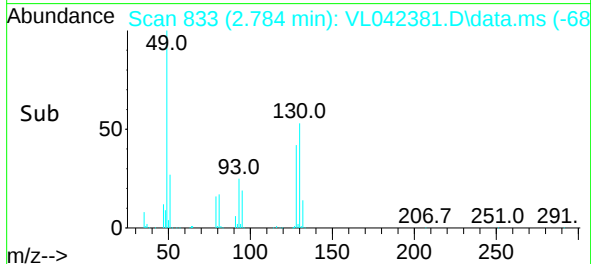
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL



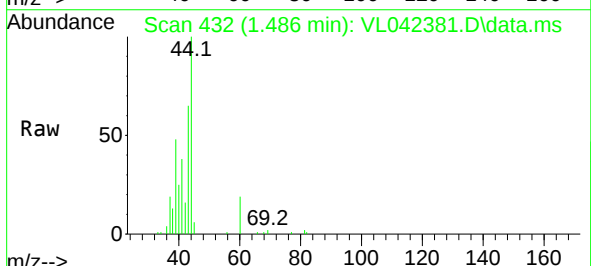
Tgt Ion: 49 Resp: 8759
Ion Ratio Lower Upper
49 100
128 45.3 22.8 68.4
130 56.9 29.3 88.0

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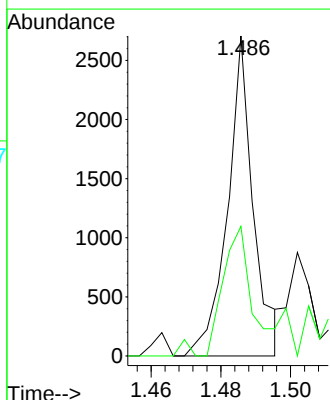
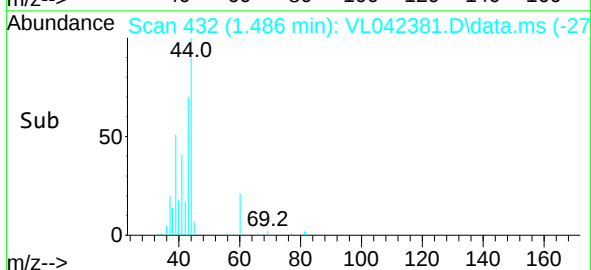
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

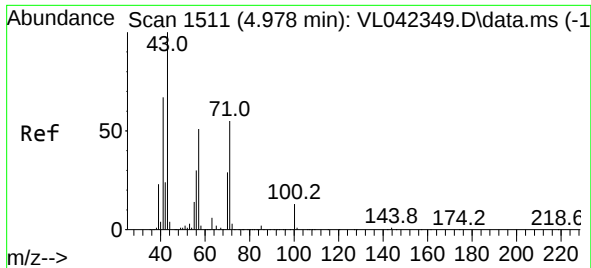


#9
Propene
Concen: 0.207 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05



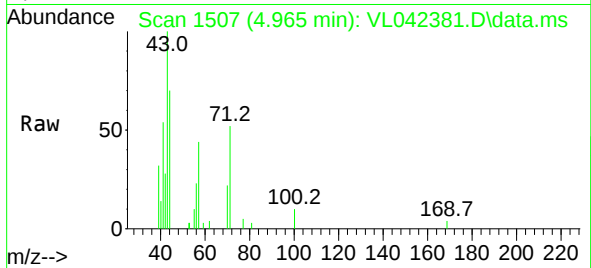
Tgt Ion: 41 Resp: 1388
Ion Ratio Lower Upper
41 100
42 259.2 56.2 84.4#





#10
Heptane
Concen: 0.195 ppbv m
RT: 4.965 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

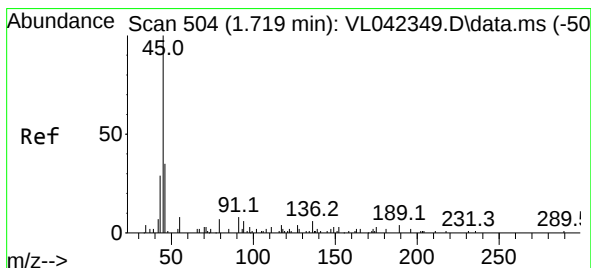
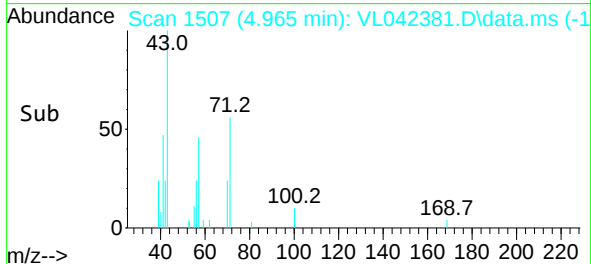
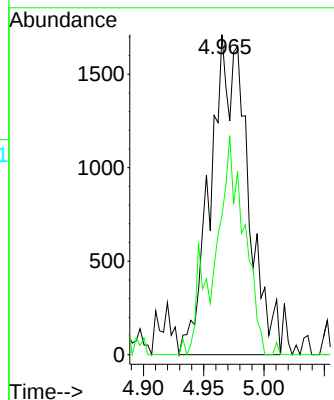
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL



Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
57 54.5 39.9 59.9

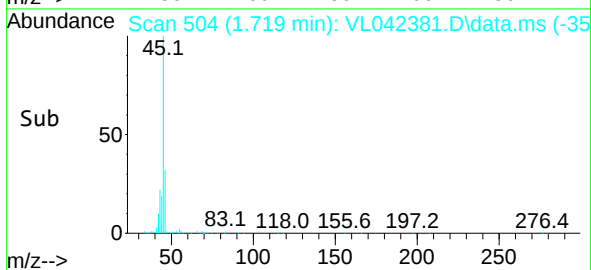
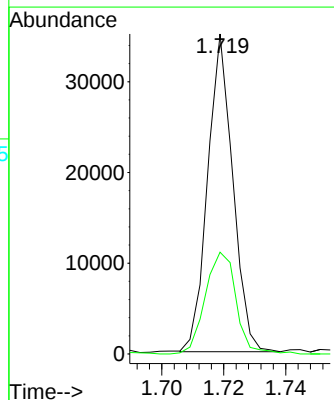
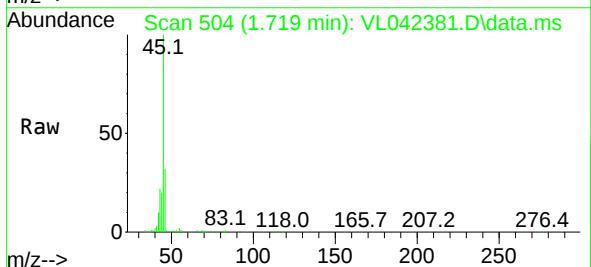
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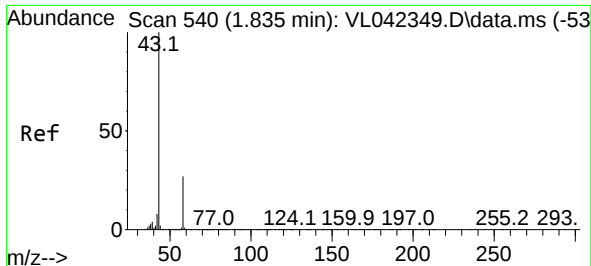
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#13
Ethanol
Concen: 18.510 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

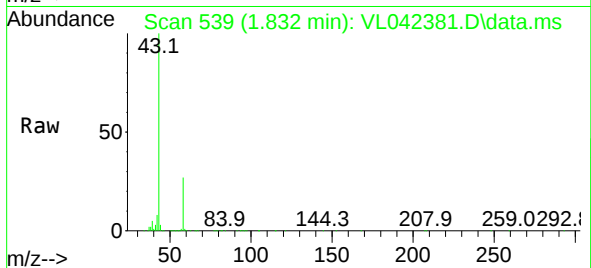
Tgt Ion: 45 Resp: 19745
Ion Ratio Lower Upper
45 100
46 40.4 21.9 87.7





#15
Acetone
Concen: 33.317 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

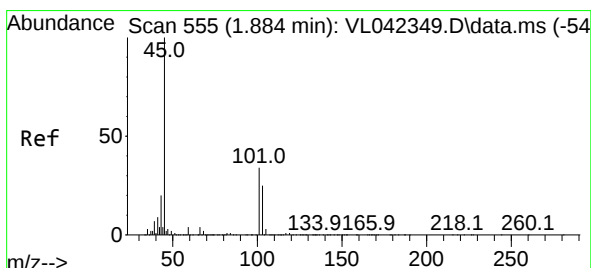
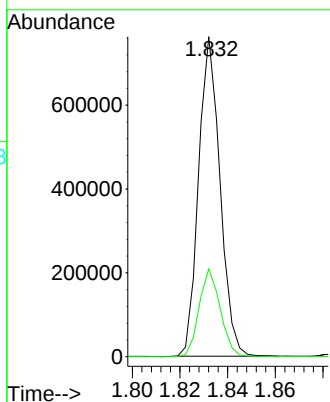
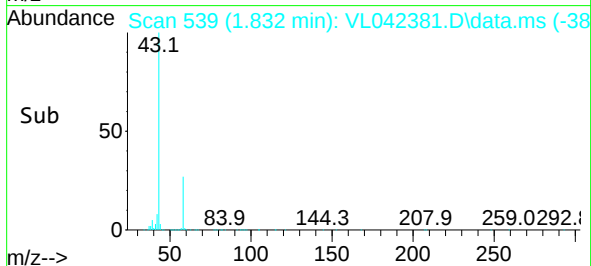
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL



Tgt Ion: 43 Resp: 477735
Ion Ratio Lower Upper
43 100
58 27.2 22.4 33.6

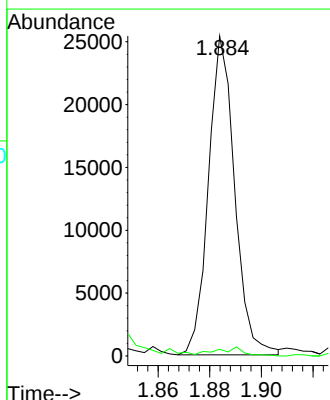
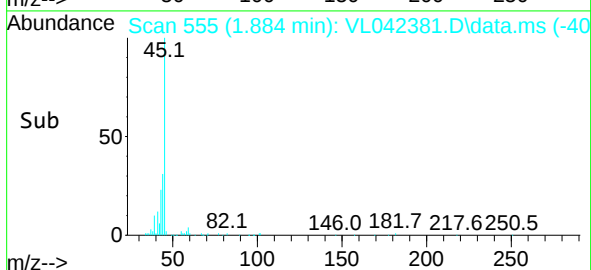
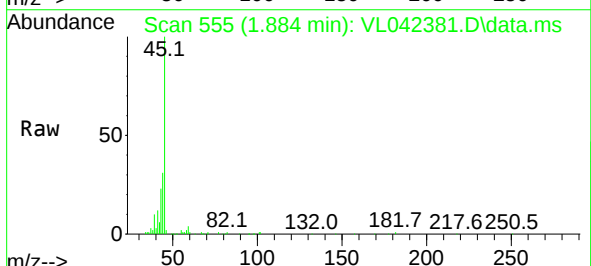
Manual Integrations
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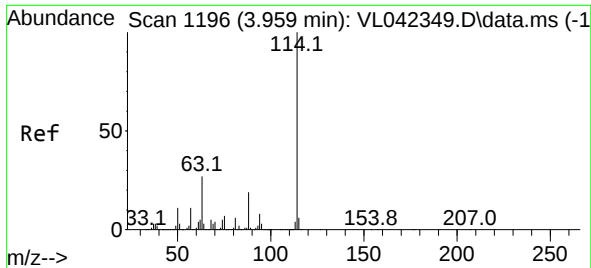
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#19
Isopropyl Alcohol
Concen: 2.249 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

Tgt Ion: 45 Resp: 17914
Ion Ratio Lower Upper
45 100
58 724.8 34.5 51.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1196

Delta R.T. -0.007 min

Lab File: VL042381.D

Acq: 18 Apr 2025 04:05

Instrument :

MSVOA_L

ClientSampleId :

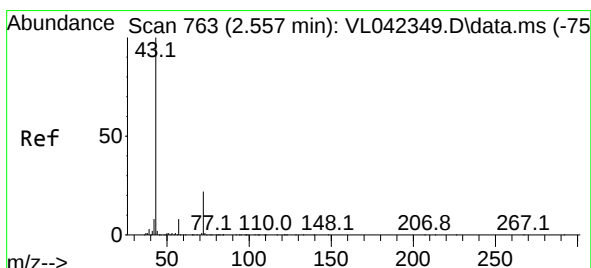
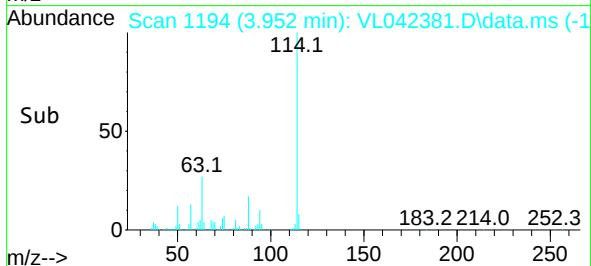
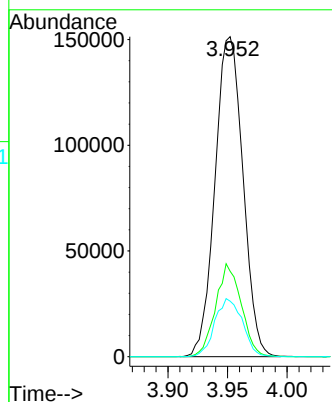
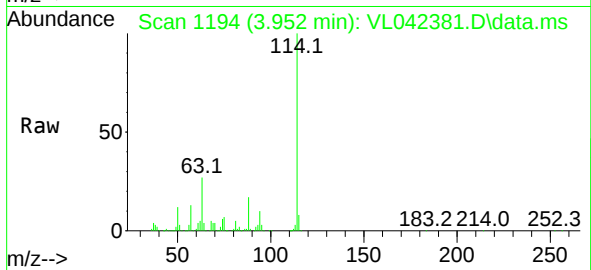
IA-B2-3-03312025DL

Tgt Ion:	114	Resp:	24691
Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.8	32.6
88	17.9	15.5	23.3

Manual Integrations

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



#34

2-Butanone

Concen: 0.158 ppbv m

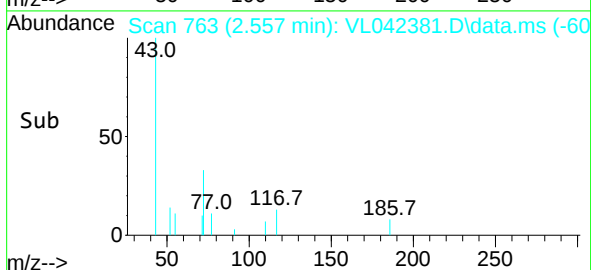
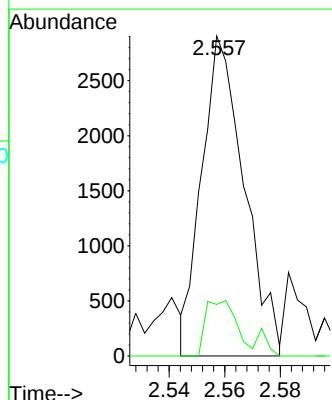
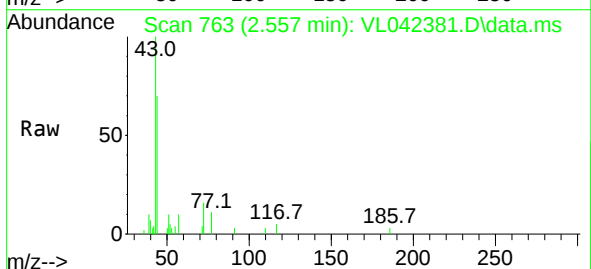
RT: 2.557 min Scan# 763

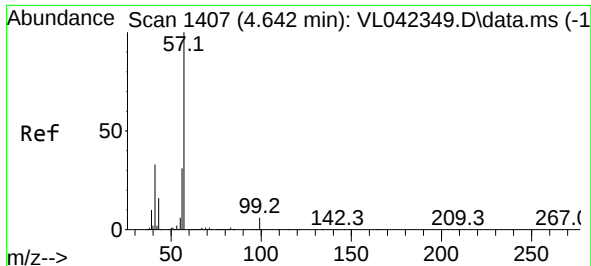
Delta R.T. -0.000 min

Lab File: VL042381.D

Acq: 18 Apr 2025 04:05

Tgt Ion:	43	Resp:	3077
Ion	Ratio	Lower	Upper
43	100		
72	14.7	18.2	27.2#





#44

2,2,4-Trimethylpentane

Concen: 0.495 ppbv

RT: 4.635 min Scan# 1405

Delta R.T. -0.007 min

Lab File: VL042381.D

Acq: 18 Apr 2025 04:05

Instrument :

MSVOA_L

ClientSampleId :

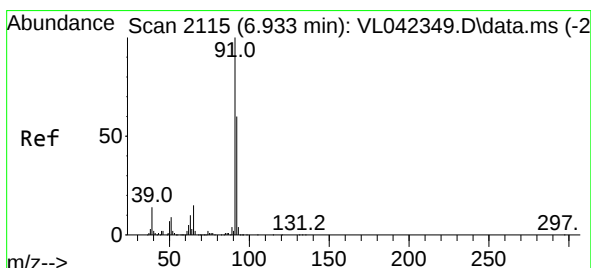
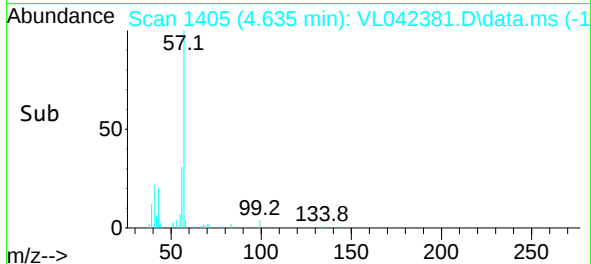
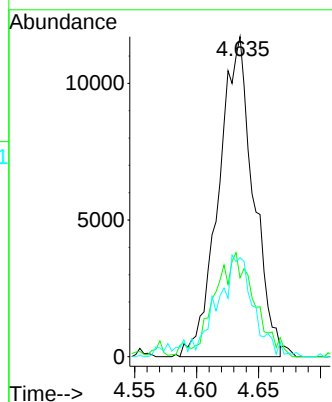
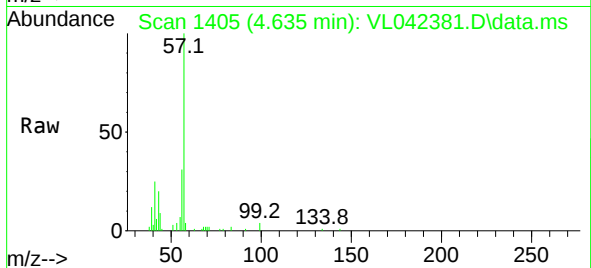
IA-B2-3-03312025DL

Tgt Ion: 57	Resp: 2277
Ion Ratio	Lower Upper
57 100	
41 38.3	27.2 40.8
56 35.7	25.7 38.5

Manual Integrations

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



#53

Toluene

Concen: 1.163 ppbv m

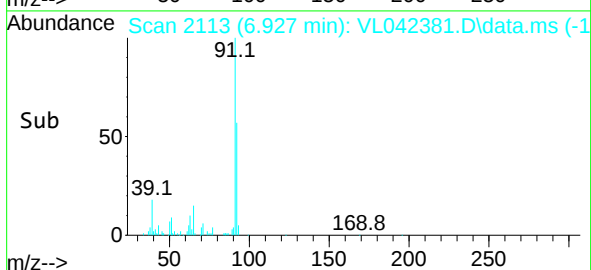
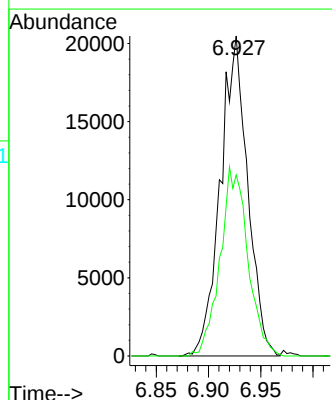
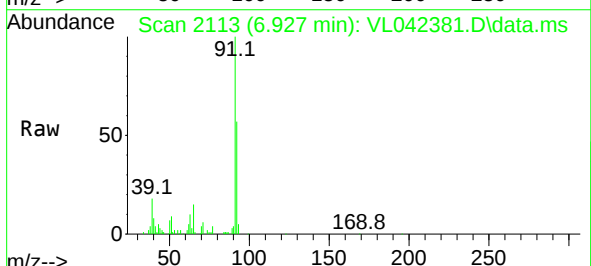
RT: 6.927 min Scan# 2113

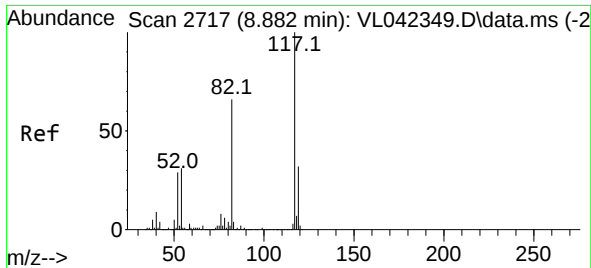
Delta R.T. -0.007 min

Lab File: VL042381.D

Acq: 18 Apr 2025 04:05

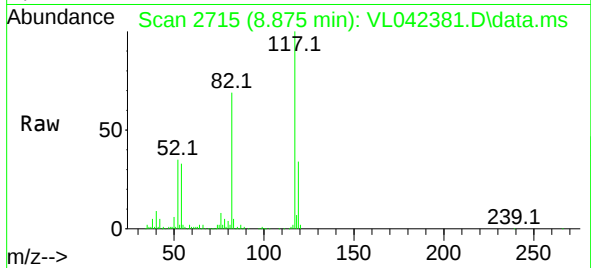
Tgt Ion: 91	Resp: 37165
Ion Ratio	Lower Upper
91 100	
92 60.0	48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 211054
Delta R.T. -0.007 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

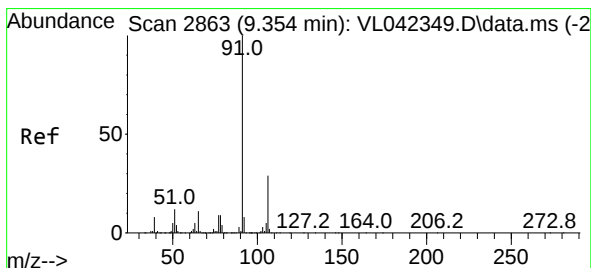
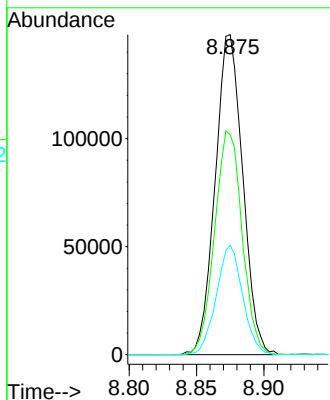
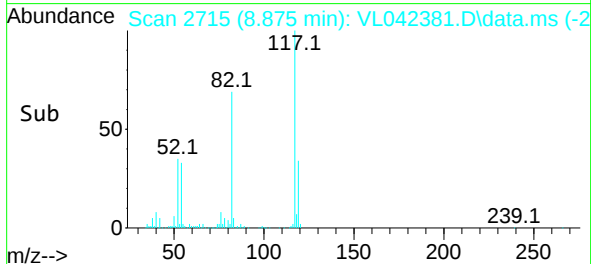
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL



Tgt Ion: 117 Resp: 211054
Ion Ratio Lower Upper
117 100
82 69.8 57.8 86.6
119 32.7 25.2 37.8

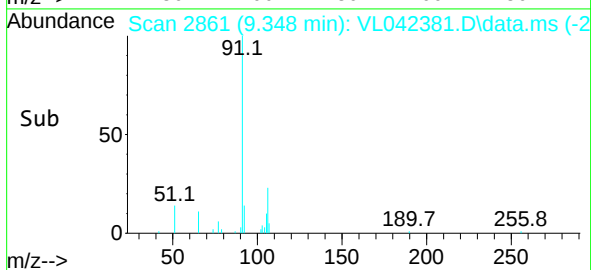
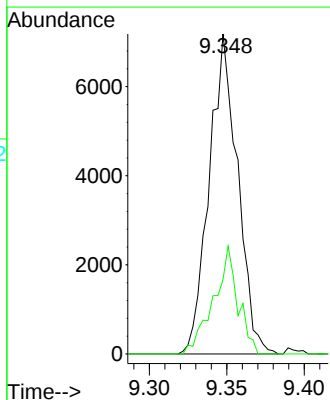
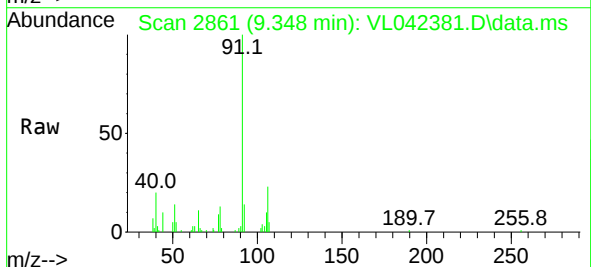
Manual Integrations
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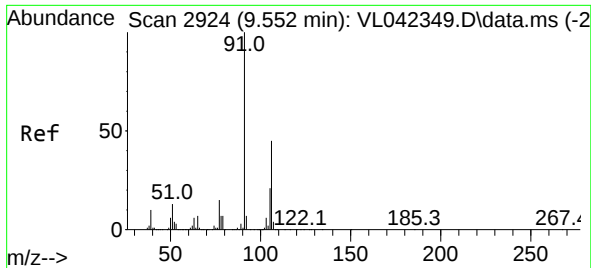
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#58
Ethyl Benzene
Concen: 0.219 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

Tgt Ion: 91 Resp: 9155
Ion Ratio Lower Upper
91 100
106 23.3 23.0 34.4





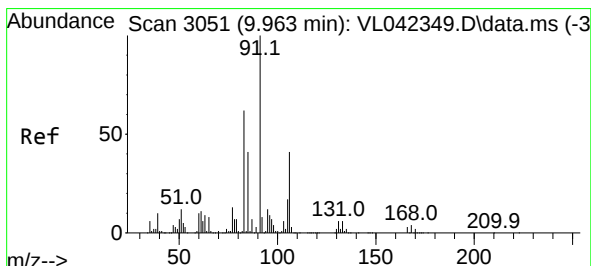
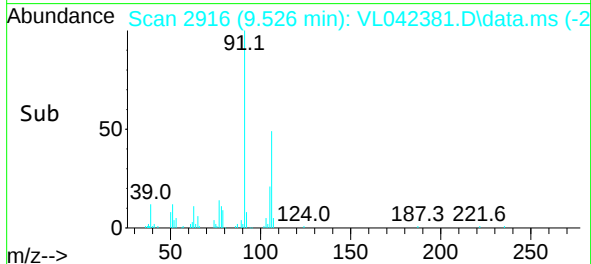
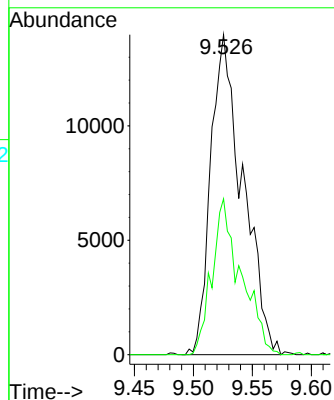
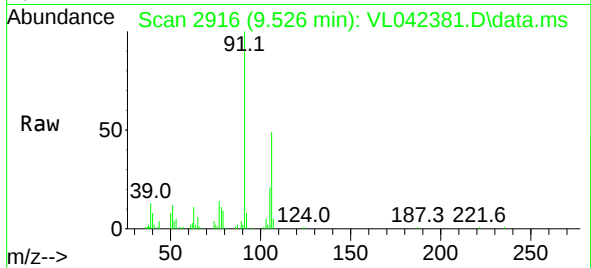
#59
m/p-Xylene
Concen: 0.784 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.026 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL

Tgt Ion: 91 Resp: 26414
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

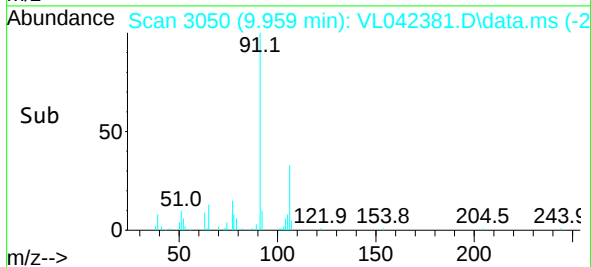
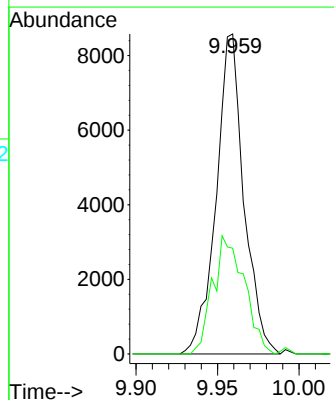
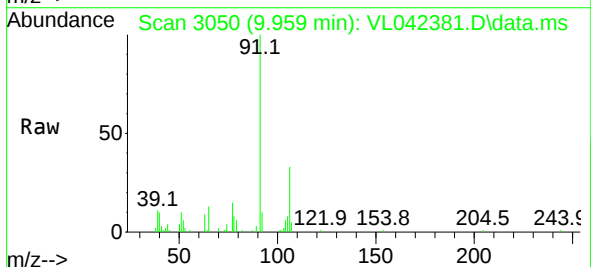
Manual Integrations
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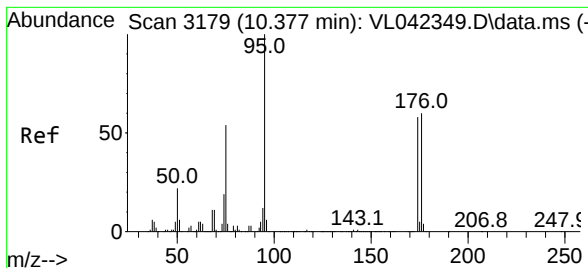
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#60
o-Xylene
Concen: 0.299 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

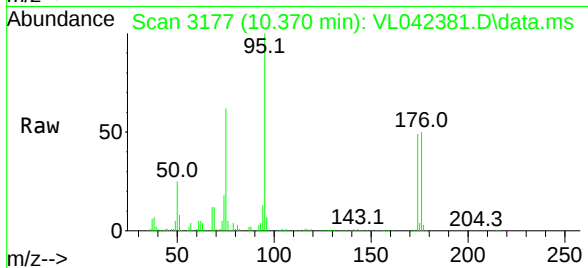
Tgt Ion: 91 Resp: 10141
Ion Ratio Lower Upper
91 100
106 42.6 21.1 63.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.344 ppbv
RT: 10.370 min Scan# 3179
Delta R.T. -0.007 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

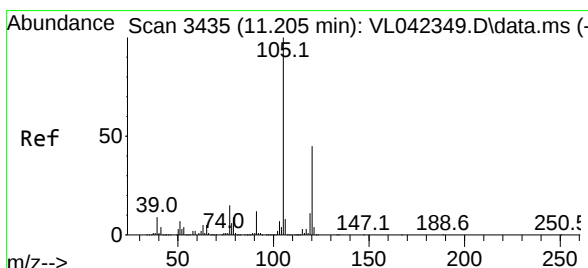
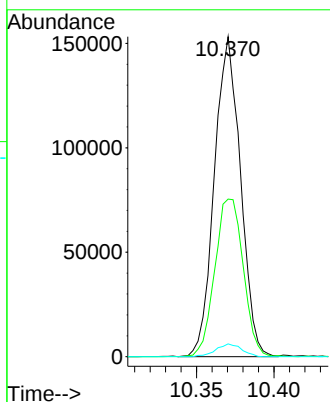
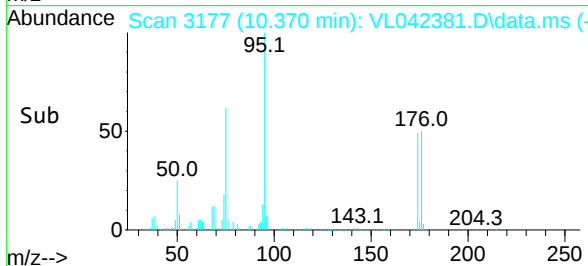
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-3-03312025DL



Tgt Ion: 95 Resp: 17940
Ion Ratio Lower Upper
95 100
174 53.8 48.5 72.7
175 4.0 3.7 5.5

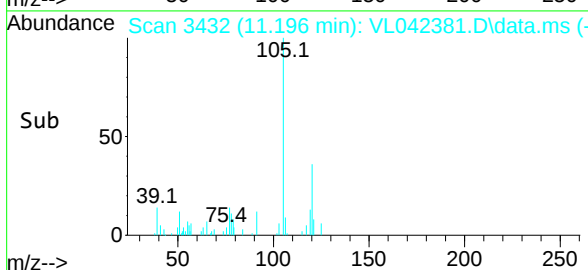
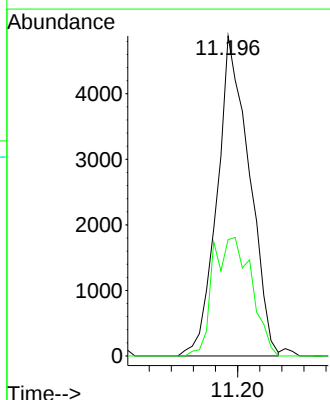
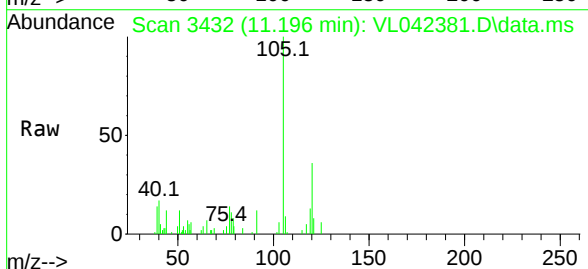
Manual Integrations
APPROVED

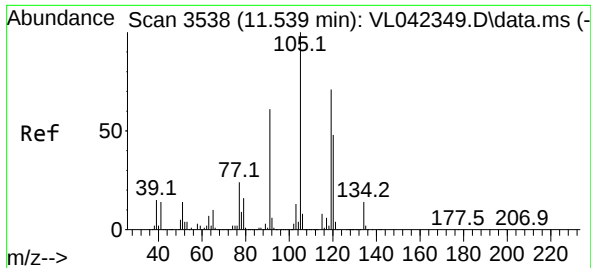
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.135 ppbv
RT: 11.196 min Scan# 3432
Delta R.T. -0.010 min
Lab File: VL042381.D
Acq: 18 Apr 2025 04:05

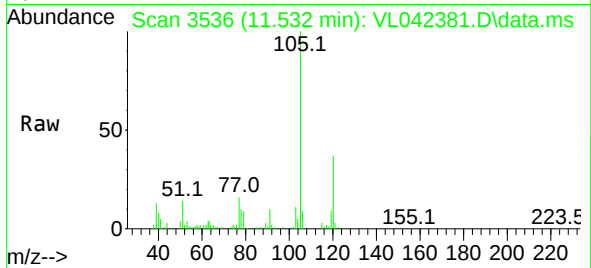
Tgt Ion:105 Resp: 4940
Ion Ratio Lower Upper
105 100
120 36.4 35.6 53.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.379 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.007 min
 Lab File: VL042381.D
 Acq: 18 Apr 2025 04:05

Instrument : MSVOA_L
 ClientSampleId : IA-B2-3-03312025DL



Tgt Ion:	105	Resp:	1621
Ion Ratio	Lower	Upper	
105	100		
120	36.7	38.1	57.1
91	10.5	48.8	73.2
77	16.1	19.0	28.4

Manual Integrations
 APPROVED

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

