

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042373.D
 Acq On : 17 Apr 2025 23:57
 Operator : SY/MD
 Sample : Q1726-07DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-4-03312025DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 02:47:24 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	107602	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	303479	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	266154	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	220060	10.062	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.600%	
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1529m	0.185	ppbv	
10) Heptane	4.972	43	5885m	0.254	ppbv	
13) Ethanol	1.719	45	24762	18.897	ppbv	74
15) Acetone	1.832	43	515571	29.269	ppbv	99
19) Isopropyl Alcohol	1.884	45	18557	1.896	ppbv #	1
44) 2,2,4-Trimethylpentane	4.639	57	30736m	0.544	ppbv	
53) Toluene	6.927	91	53637	1.365	ppbv	97
58) Ethyl Benzene	9.348	91	13474	0.256	ppbv	99
59) m/p-Xylene	9.529	91	37603m	0.885	ppbv	
60) o-Xylene	9.960	91	14506	0.339	ppbv	98
72) 4-Ethyltoluene	11.122	105	6684	0.128	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.199	105	8296	0.180	ppbv	95
74) 1,2,4-Trimethylbenzene	11.536	105	25240	0.468	ppbv #	62

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

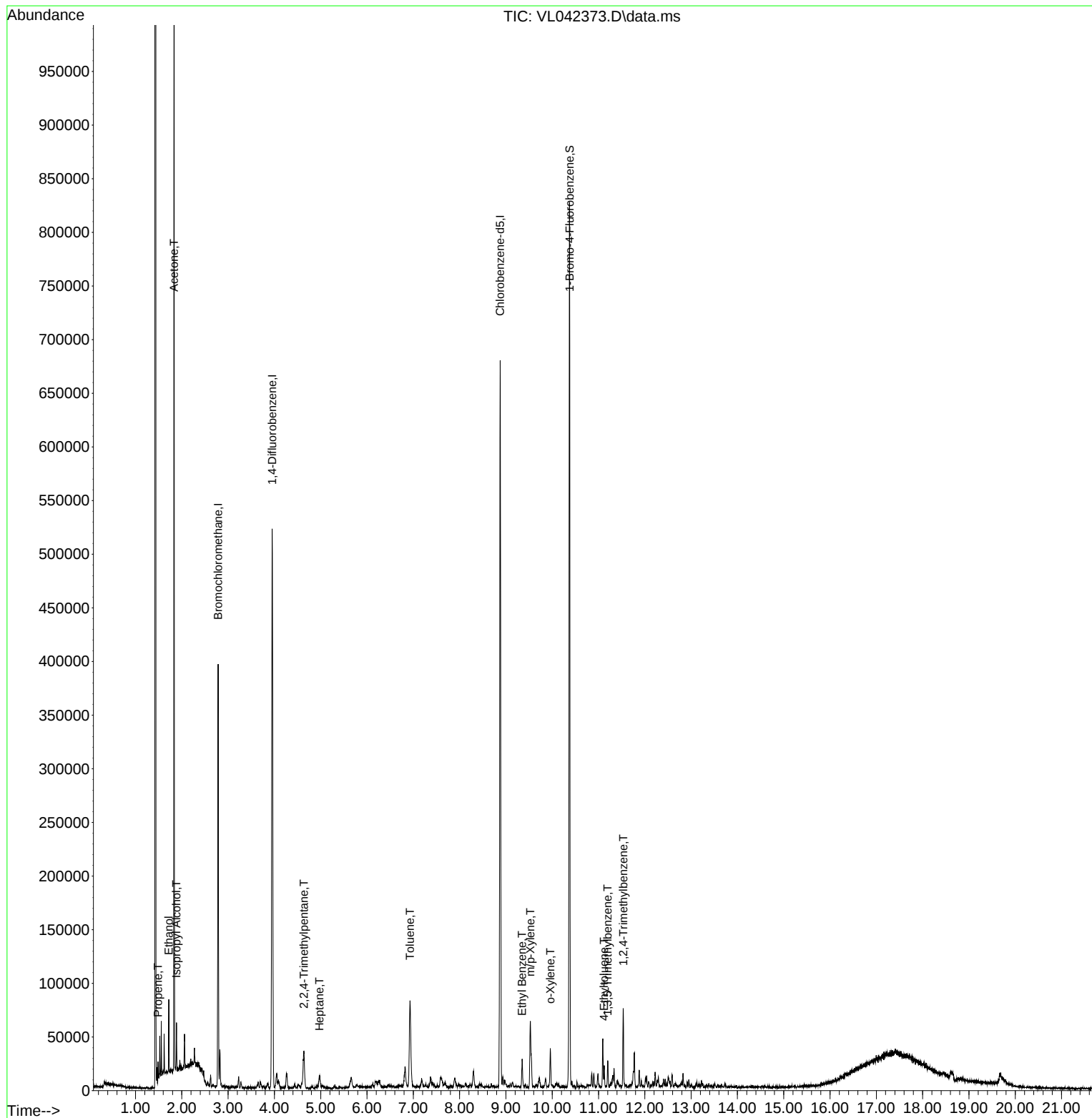
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042373.D
Acq On : 17 Apr 2025 23:57
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Misc : 400mL/MSVOA_L
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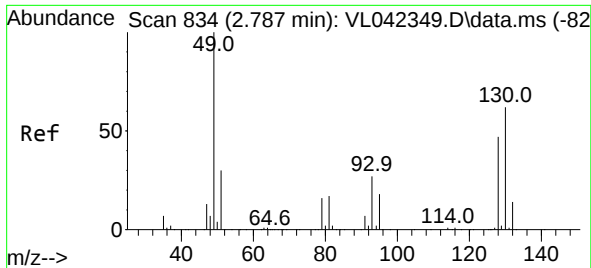
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL

Quant Time: Apr 18 02:47:24 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

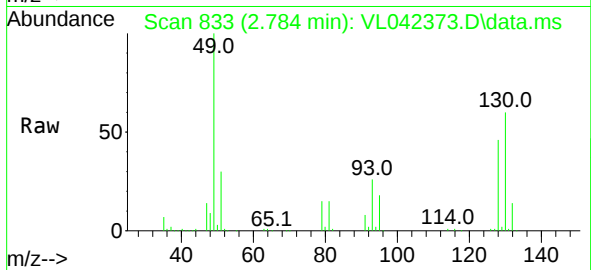
Reviewed By : Semsettin Yesilyurt 04/18/2025
Supervised By : Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

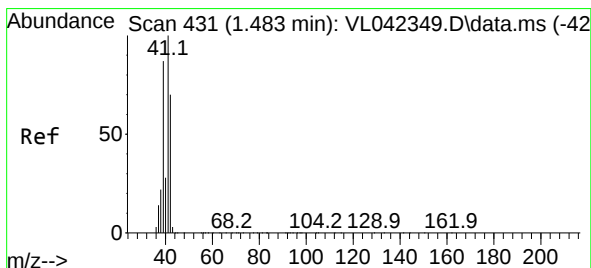
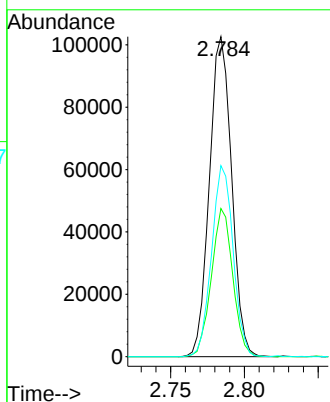
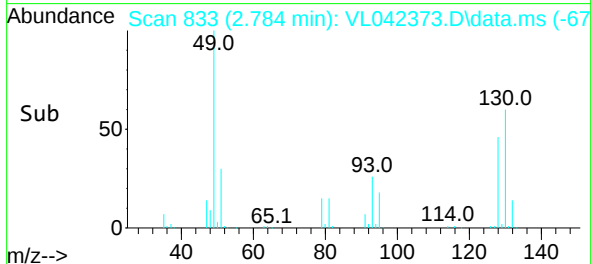
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL



Tgt Ion: 49 Resp: 107602
Ion Ratio Lower Upper
49 100
128 44.6 22.8 68.4
130 58.0 29.3 88.0

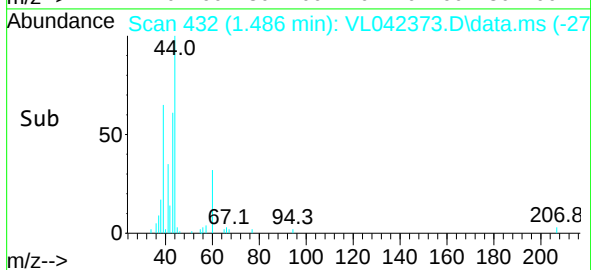
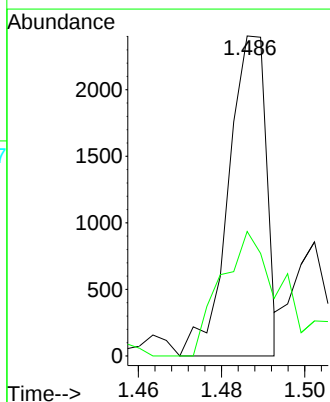
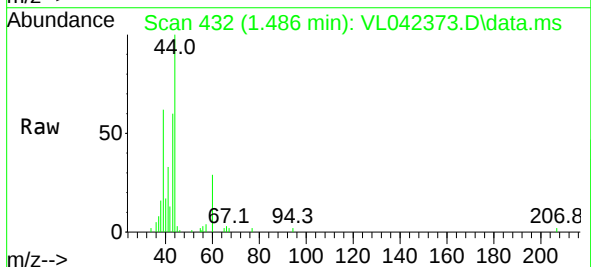
Manual Integrations
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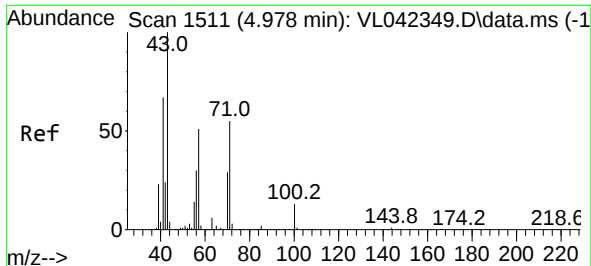
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#9
Propene
Concen: 0.185 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.004 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

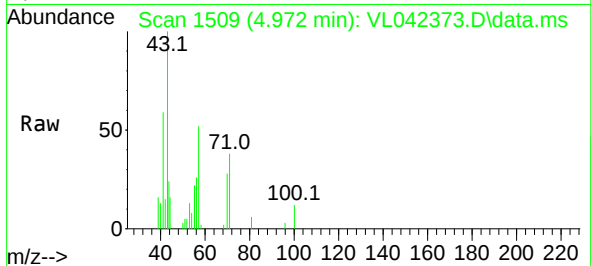
Tgt Ion: 41 Resp: 1529
Ion Ratio Lower Upper
41 100
42 228.9 56.2 84.4#





#10
Heptane
Concen: 0.254 ppbv m
RT: 4.972 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

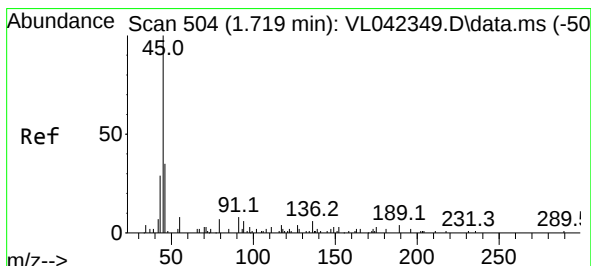
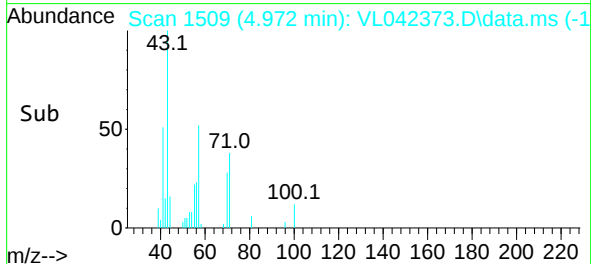
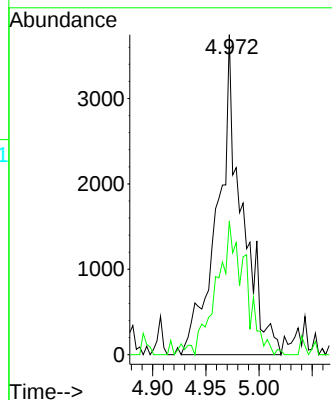
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL



Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
57 50.8 39.9 59.9

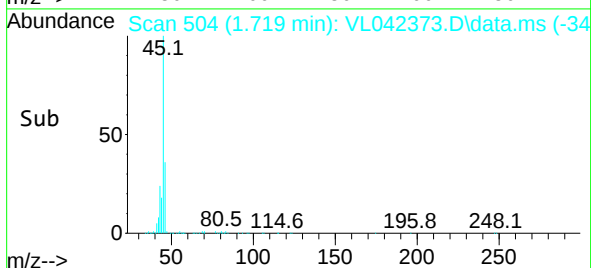
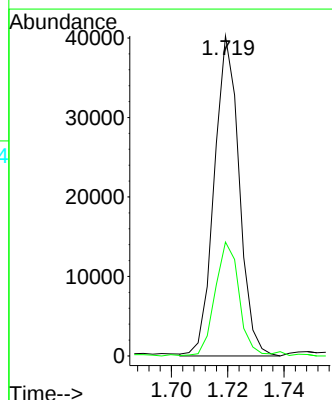
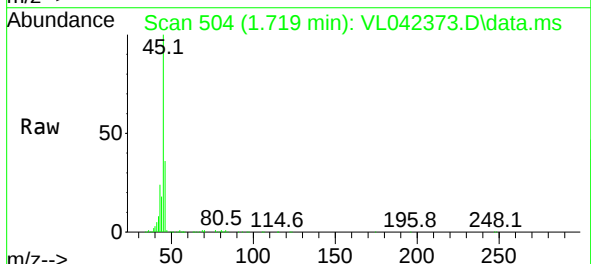
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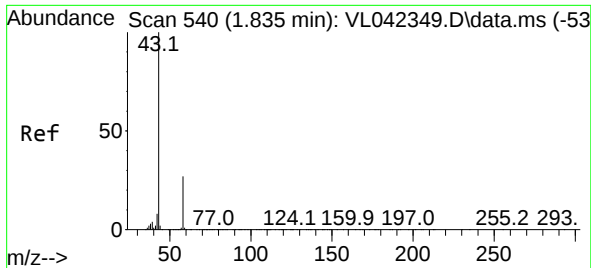
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#13
Ethanol
Concen: 18.897 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

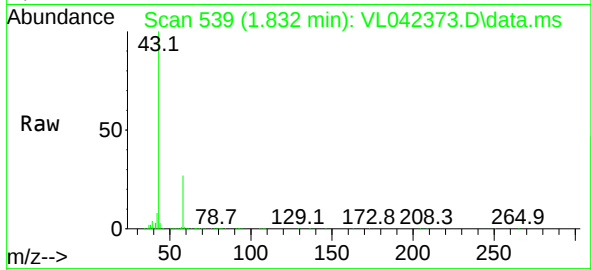
Tgt Ion: 45 Resp: 24762
Ion Ratio Lower Upper
45 100
46 35.9 21.9 87.7





#15
Acetone
Concen: 29.269 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

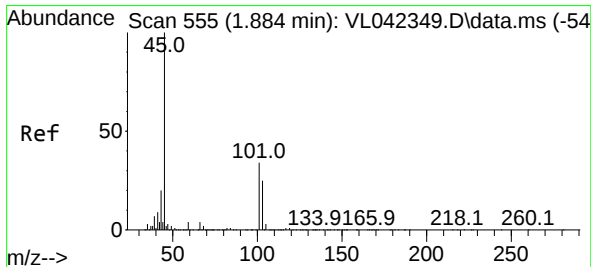
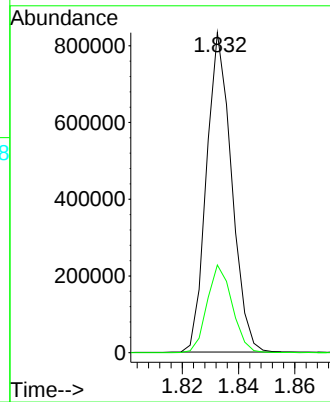
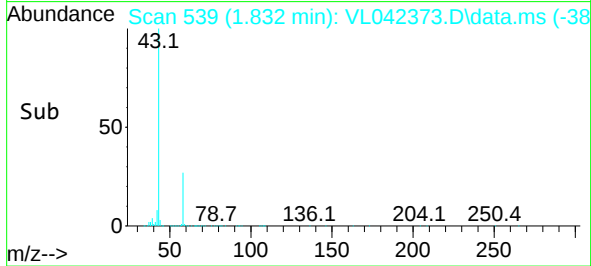
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL



Tgt Ion: 43 Resp: 51557
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

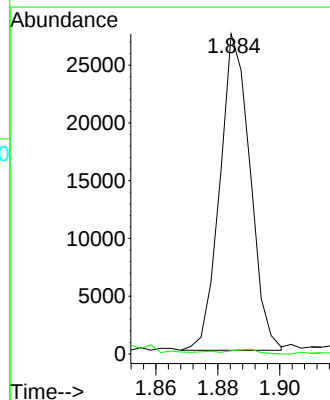
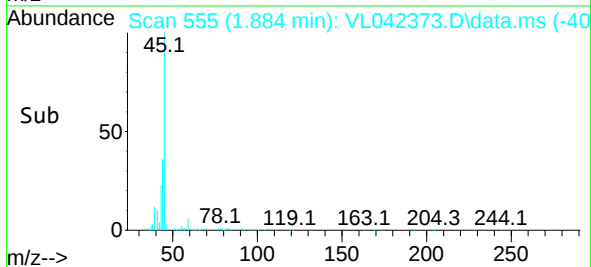
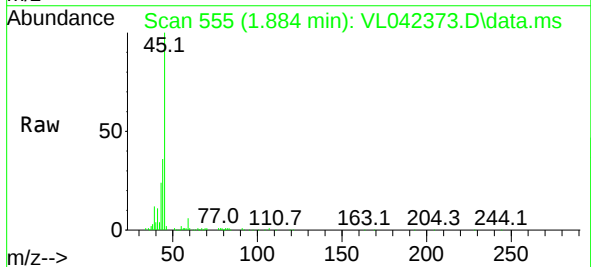
Manual Integrations
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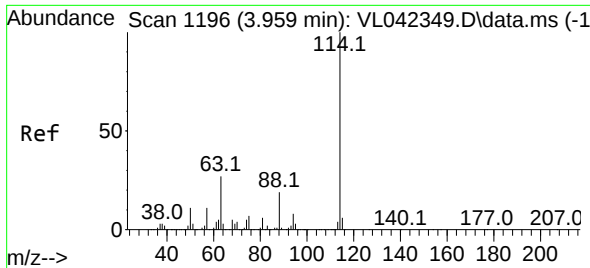
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#19
Isopropyl Alcohol
Concen: 1.896 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

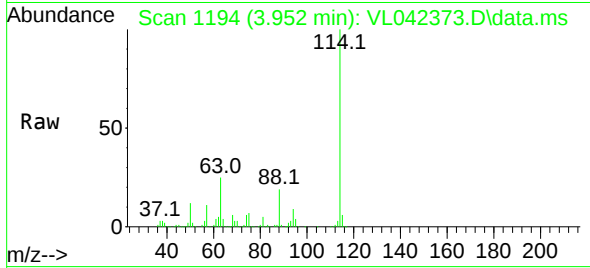
Tgt Ion: 45 Resp: 18557
Ion Ratio Lower Upper
45 100
58 767.1 34.5 51.7#





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.952 min Scan# 1194
 Delta R.T. -0.006 min
 Lab File: VL042373.D
 Acq: 17 Apr 2025 23:57

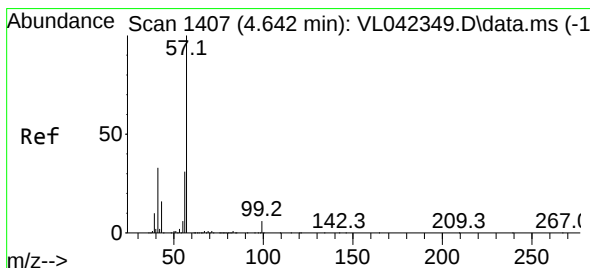
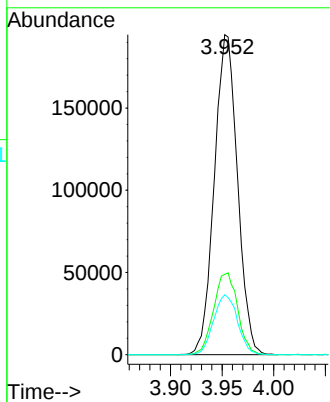
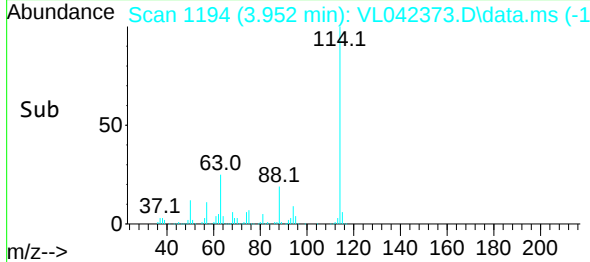
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-4-03312025DL



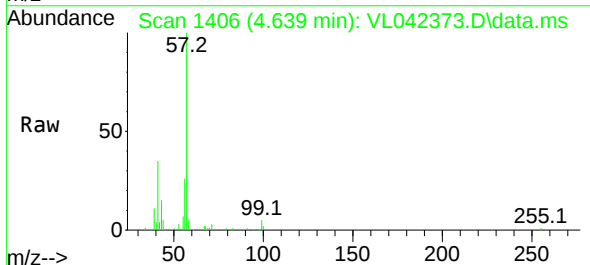
Tgt Ion: 114 Resp: 303479
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.8 32.6
 88 19.4 15.5 23.3

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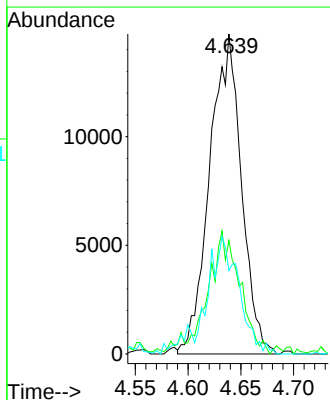
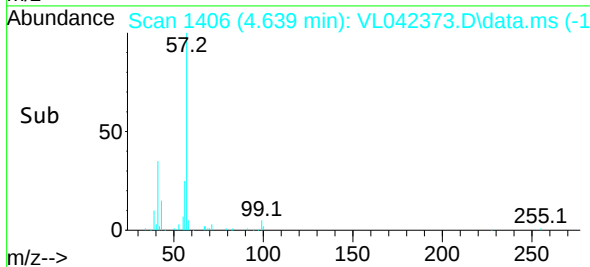
Reviewed By :Semsettin Yesilyurt 04/18/2025
 Supervised By :Mahesh Dadoda 04/18/2025

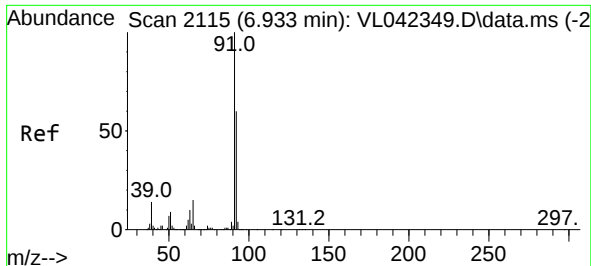


#44
 2,2,4-Trimethylpentane
 Concen: 0.544 ppbv m
 RT: 4.639 min Scan# 1406
 Delta R.T. -0.003 min
 Lab File: VL042373.D
 Acq: 17 Apr 2025 23:57



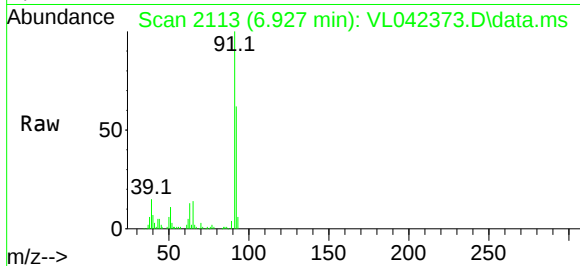
Tgt Ion: 57 Resp: 30736
 Ion Ratio Lower Upper
 57 100
 41 39.9 27.2 40.8
 56 38.4 25.7 38.5





#53
Toluene
Concen: 1.365 ppbv
RT: 6.927 min Scan# 2115
Delta R.T. -0.006 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

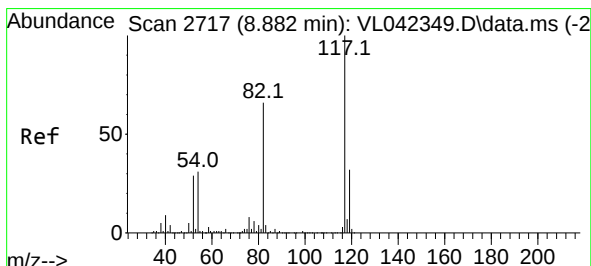
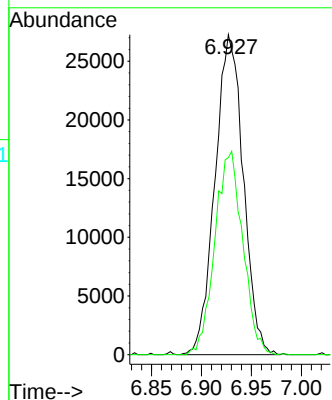
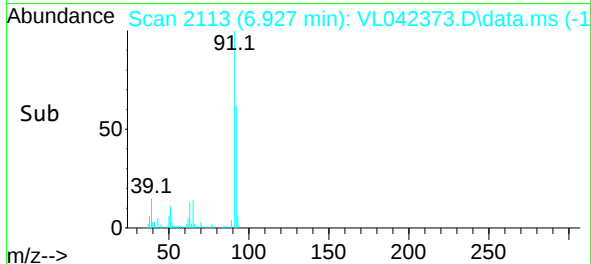
Instrument : MSVOA_L
ClientSampleId : IA-B2-4-03312025DL



Tgt Ion: 91 Resp: 5363
Ion Ratio Lower Upper
91 100
92 62.9 48.2 72.4

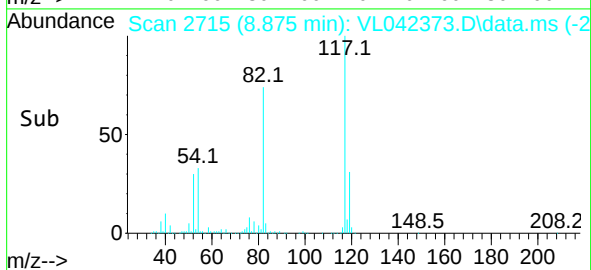
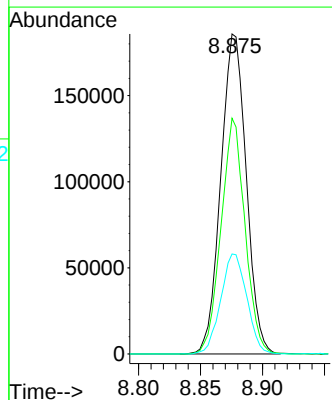
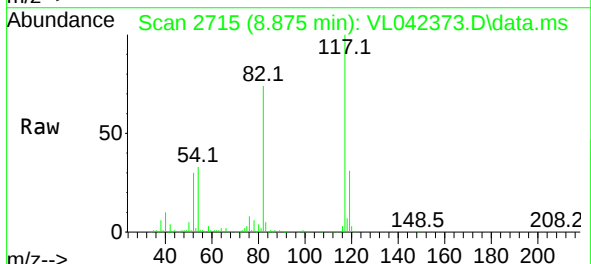
Manual Integrations
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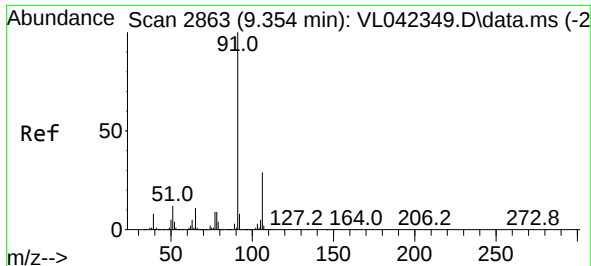
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.006 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

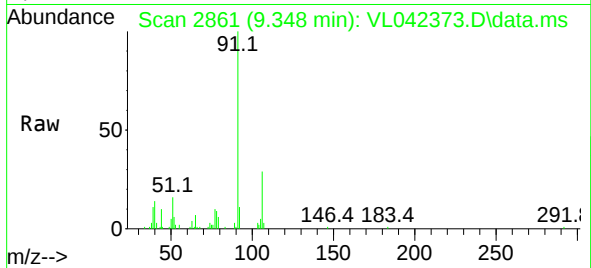
Tgt Ion:117 Resp: 266154
Ion Ratio Lower Upper
117 100
82 69.4 57.8 86.6
119 32.1 25.2 37.8





#58
Ethyl Benzene
Concen: 0.256 ppbv
RT: 9.348 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

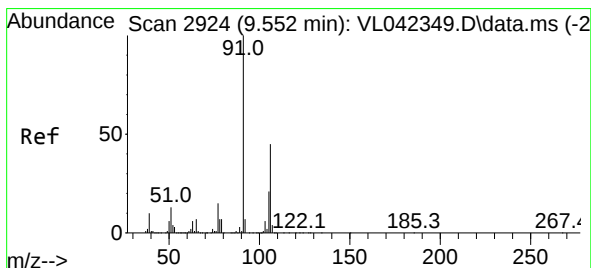
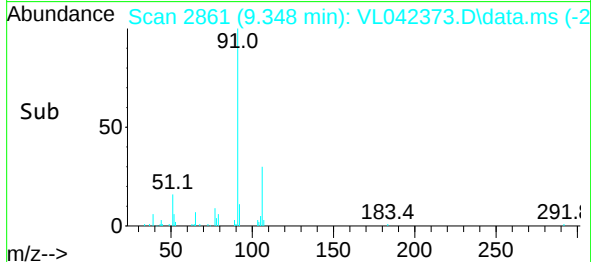
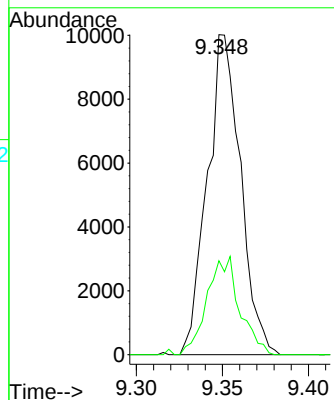
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL



Tgt Ion: 91 Resp: 13474
Ion Ratio Lower Upper
91 100
106 29.4 23.0 34.4

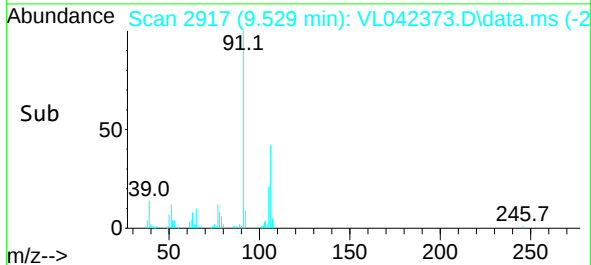
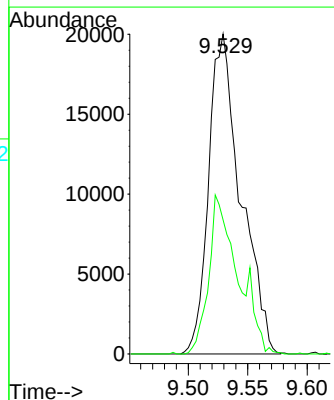
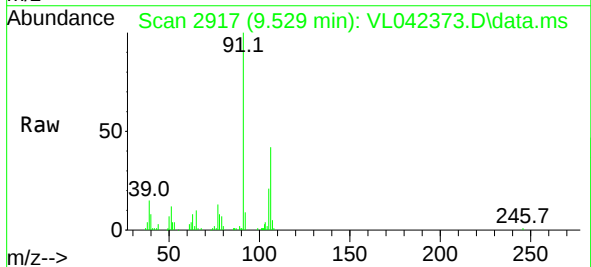
Manual Integrations
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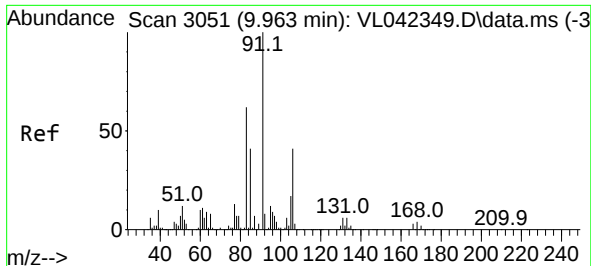
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#59
m/p-Xylene
Concen: 0.885 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.022 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

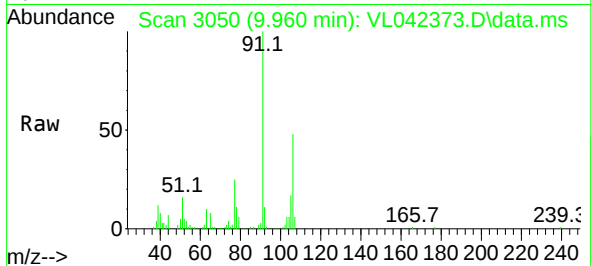
Tgt Ion: 91 Resp: 37603
Ion Ratio Lower Upper
91 100
106 45.1 35.4 53.2





#60
o-Xylene
Concen: 0.339 ppbv
RT: 9.960 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

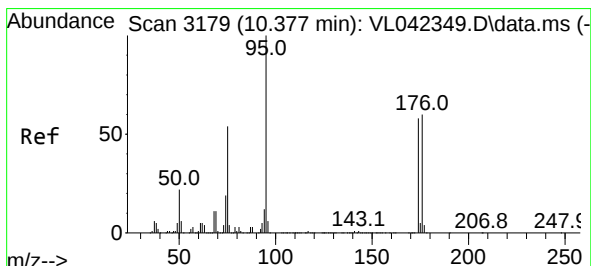
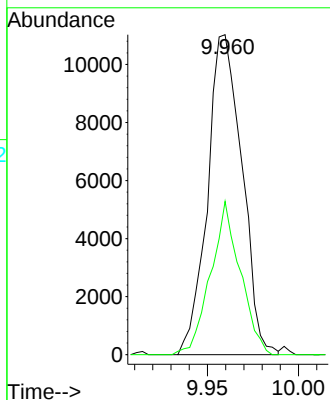
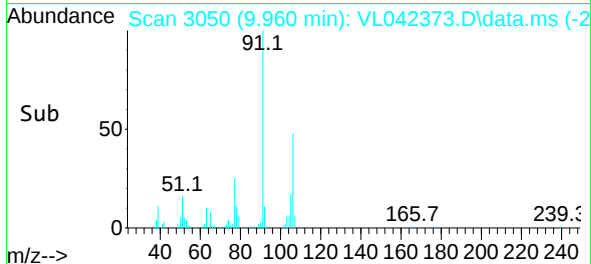
Instrument :
MSVOA_L
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IA-B2-4-03312025DL



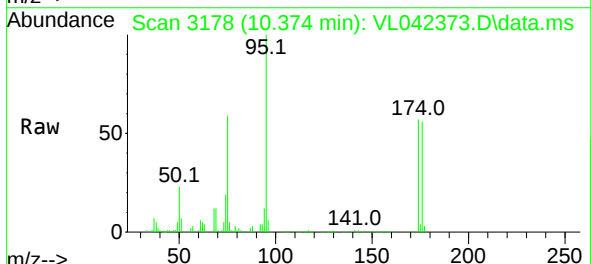
Tgt Ion: 91 Resp: 14500
Ion Ratio Lower Upper
91 100
106 41.3 21.1 63.4

Manual Integrations
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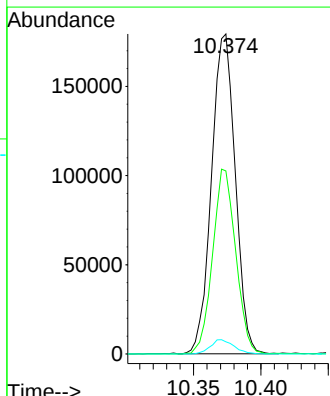
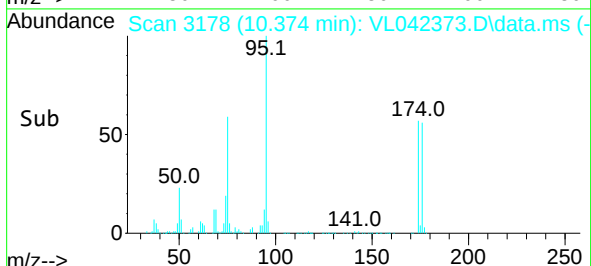
Reviewed By :Semsettin Yesilyurt 04/18/2025
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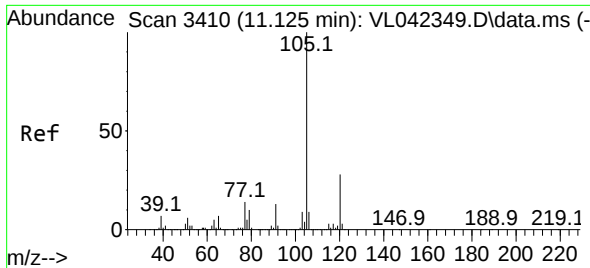


#68
1-Bromo-4-Fluorobenzene
Concen: 10.062 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57



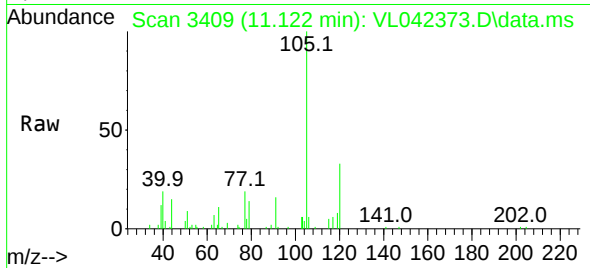
Tgt Ion: 95 Resp: 220060
Ion Ratio Lower Upper
95 100
174 56.3 48.5 72.7
175 4.4 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.128 ppbv
RT: 11.122 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

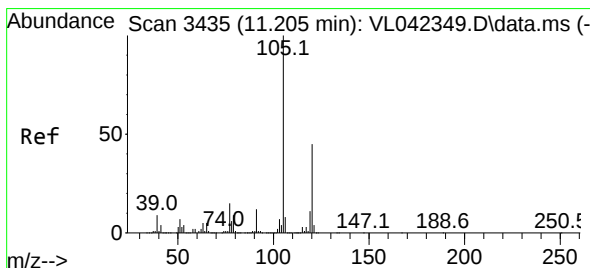
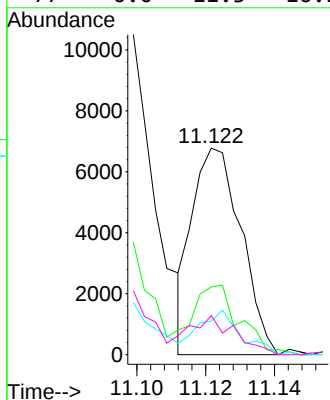
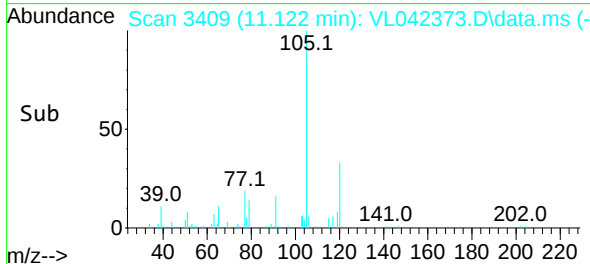
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-4-03312025DL



Tgt Ion:105 Resp: 6684
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#

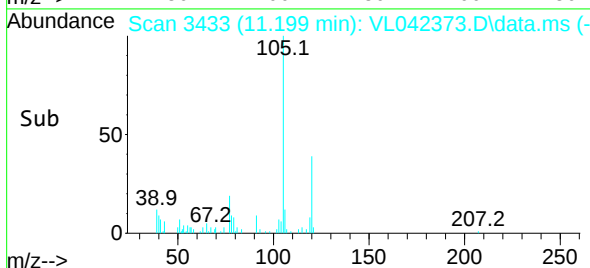
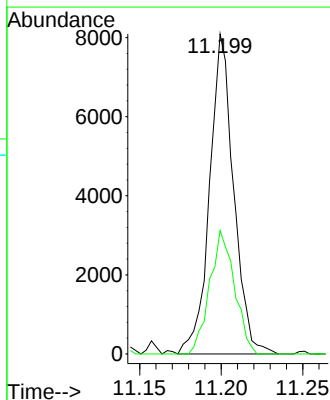
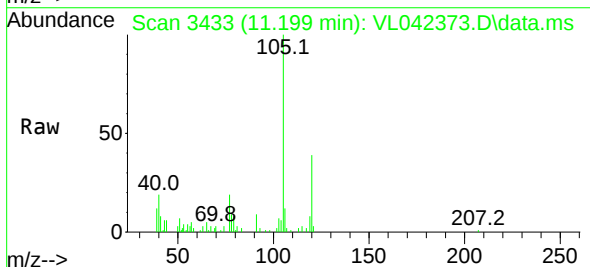
Manual Integrations
APPROVED

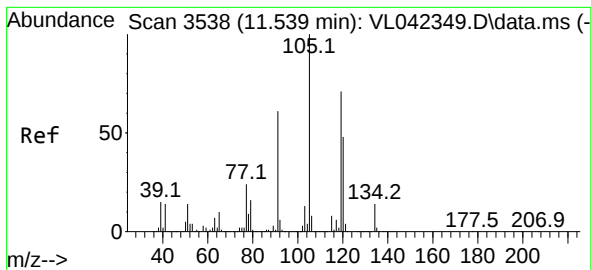
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.180 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.006 min
Lab File: VL042373.D
Acq: 17 Apr 2025 23:57

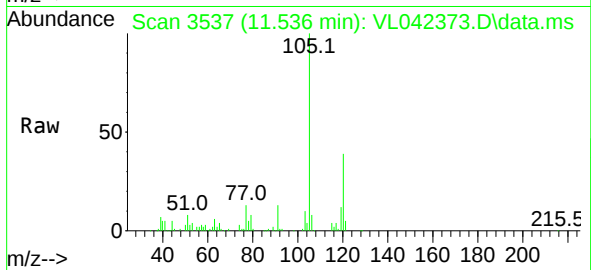
Tgt Ion:105 Resp: 8296
Ion Ratio Lower Upper
105 100
120 41.5 35.6 53.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.468 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VL042373.D
 Acq: 17 Apr 2025 23:57

Instrument : MSVOA_L
 ClientSampleId : IA-B2-4-03312025DL



Tgt Ion:105 Resp: 25240

Ion	Ratio	Lower	Upper
105	100		
120	38.8	38.1	57.1
91	12.8	48.8	73.2
77	13.3	19.0	28.4

Manual Integrations
 APPROVED

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

