

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042380.D
 Acq On : 18 Apr 2025 03:34
 Operator : SY/MD
 Sample : Q1726-05DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-B2-1-03312025DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 04:41:49 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	90034	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	252514	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	219443	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	187830	10.416	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1466m	0.213	ppbv	
10) Heptane	4.978	43	5390m	0.278	ppbv	
13) Ethanol	1.722	45	19984	18.226	ppbv	76
15) Acetone	1.835	43	563713	38.247	ppbv	98
19) Isopropyl Alcohol	1.887	45	19270	2.354	ppbv #	1
44) 2,2,4-Trimethylpentane	4.635	57	29451	0.626	ppbv #	90
53) Toluene	6.927	91	57048	1.745	ppbv	97
58) Ethyl Benzene	9.351	91	14493	0.333	ppbv	92
59) m/p-Xylene	9.529	91	41899	1.196	ppbv	98
60) o-Xylene	9.959	91	16128	0.457	ppbv	99
72) 4-Ethyltoluene	11.125	105	7252	0.168	ppbv #	63
73) 1,3,5-Trimethylbenzene	11.202	105	7522	0.198	ppbv	98
74) 1,2,4-Trimethylbenzene	11.532	105	21924	0.493	ppbv #	63

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

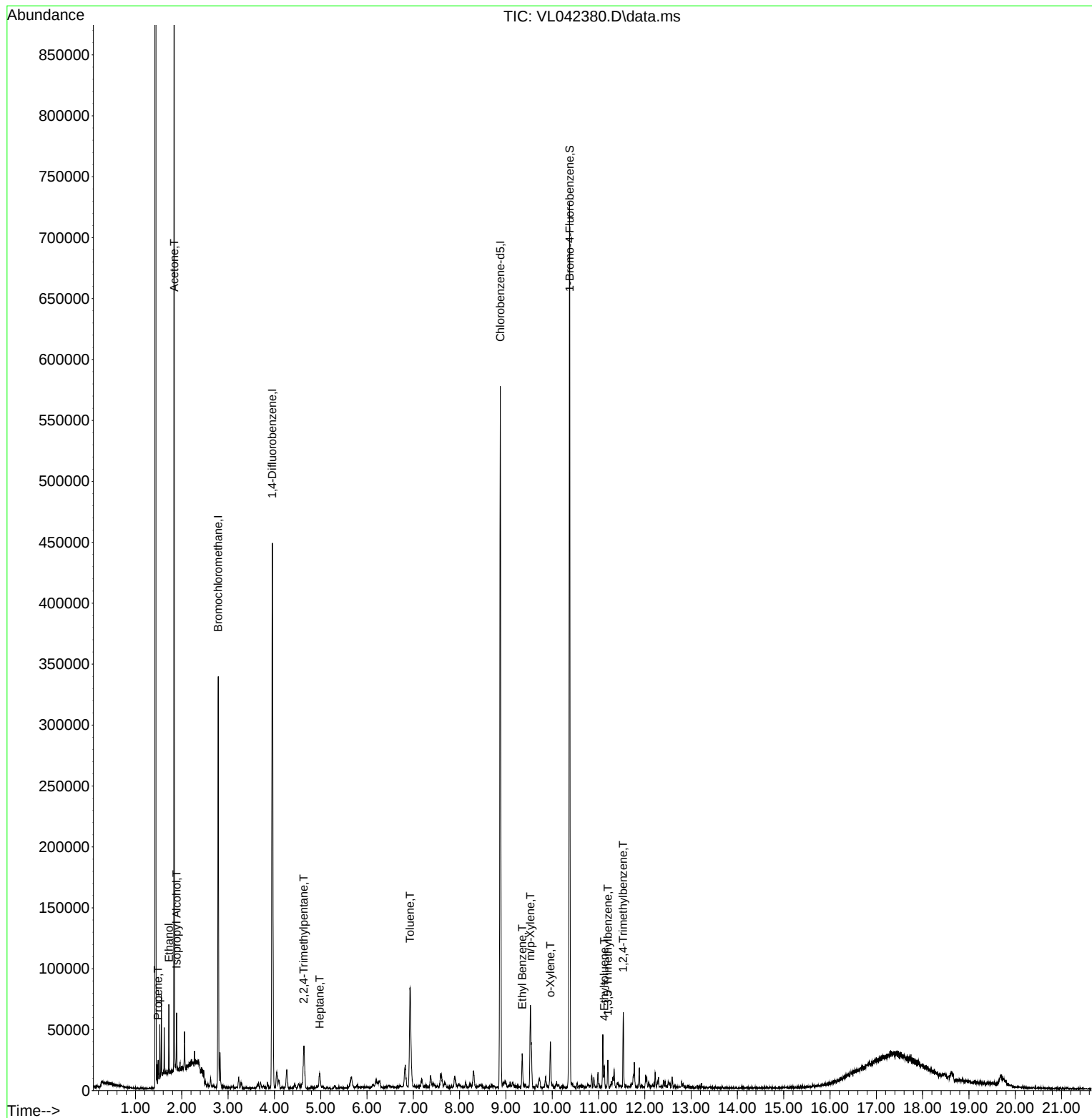
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042380.D
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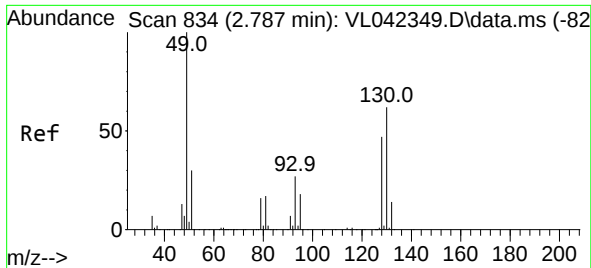
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL

Quant Time: Apr 18 04:41:49 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
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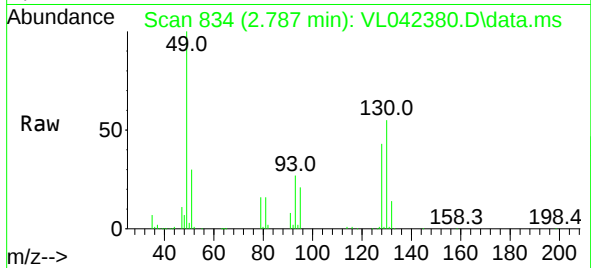
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

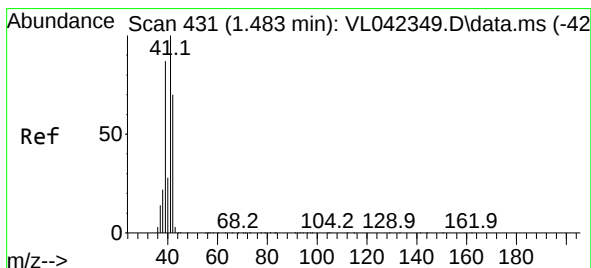
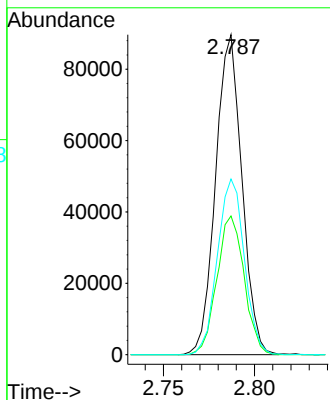
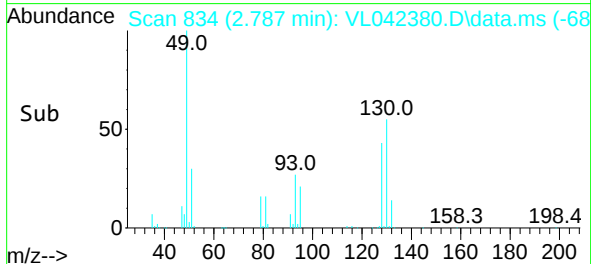
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL



Tgt Ion: 49 Resp: 90034
Ion Ratio Lower Upper
49 100
128 44.9 22.8 68.4
130 56.3 29.3 88.0

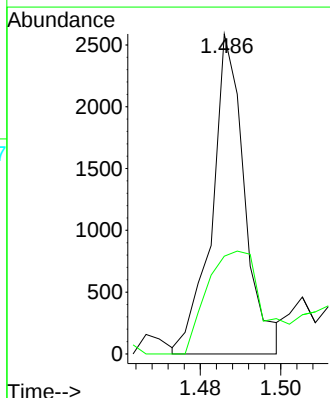
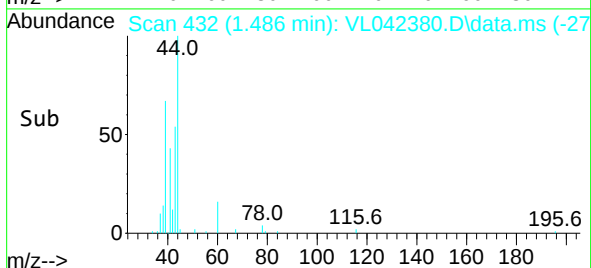
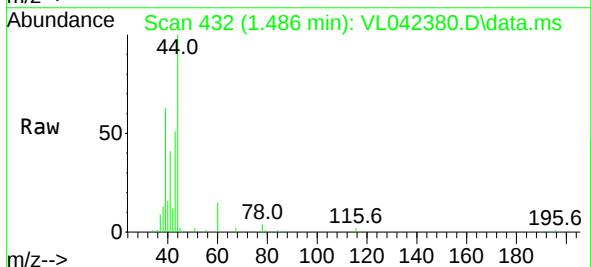
Manual Integrations
APPROVED

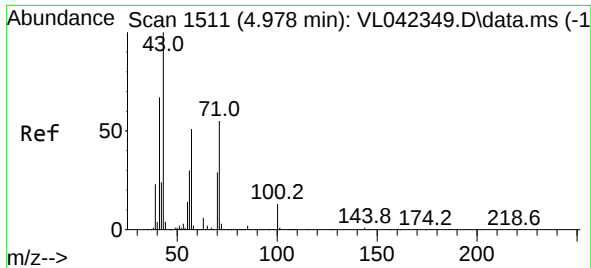
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#9
Propene
Concen: 0.213 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

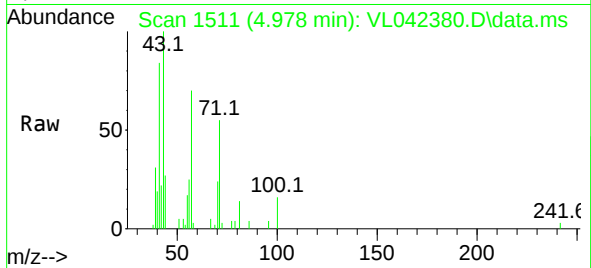
Tgt Ion: 41 Resp: 1466
Ion Ratio Lower Upper
41 100
42 369.4 56.2 84.4#





#10
Heptane
Concen: 0.278 ppbv m
RT: 4.978 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

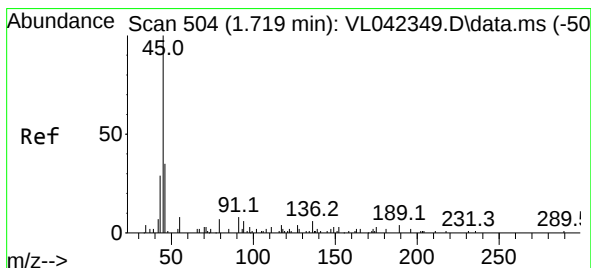
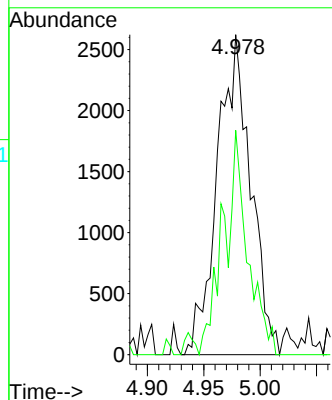
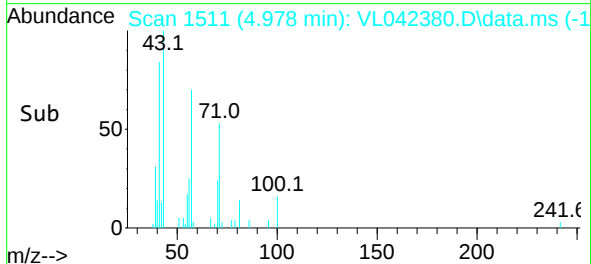
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MSVOA_L
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IA-B2-1-03312025DL



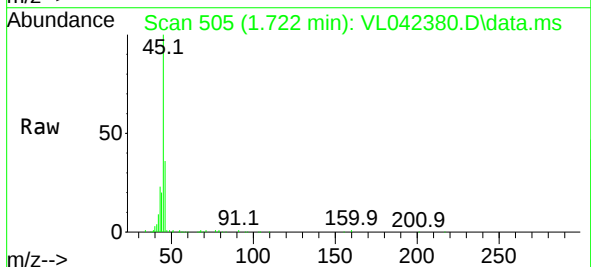
Tgt Ion: 43 Resp: 5390
Ion Ratio Lower Upper
43 100
57 52.7 39.9 59.9

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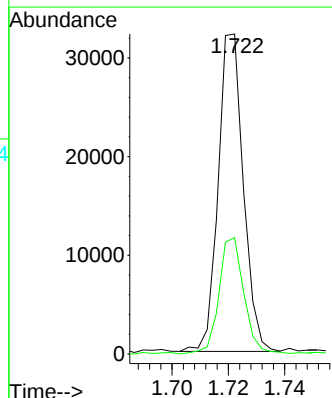
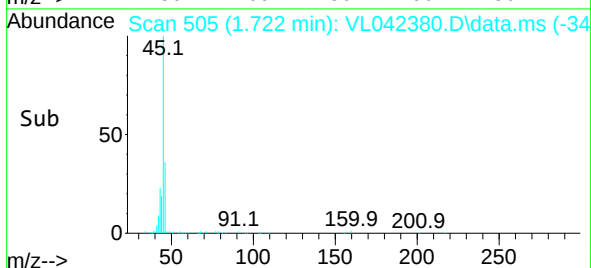
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

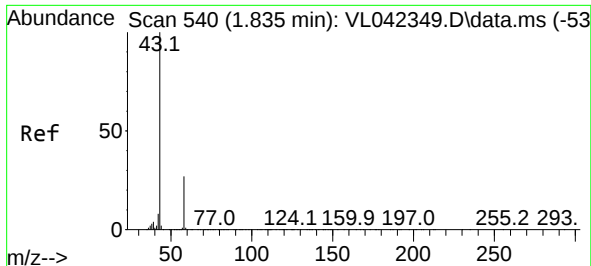


#13
Ethanol
Concen: 18.226 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34



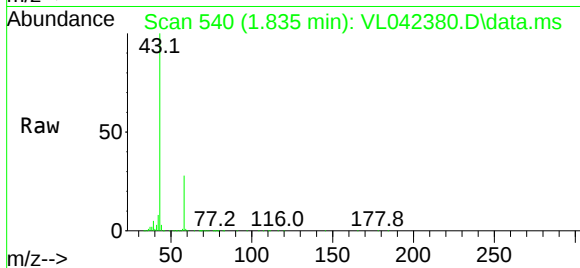
Tgt Ion: 45 Resp: 19984
Ion Ratio Lower Upper
45 100
46 37.5 21.9 87.7





#15
Acetone
Concen: 38.247 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

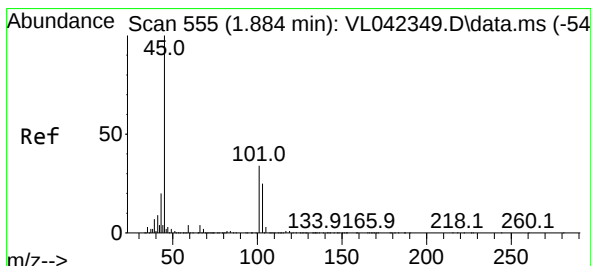
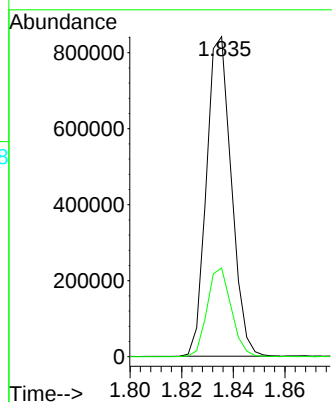
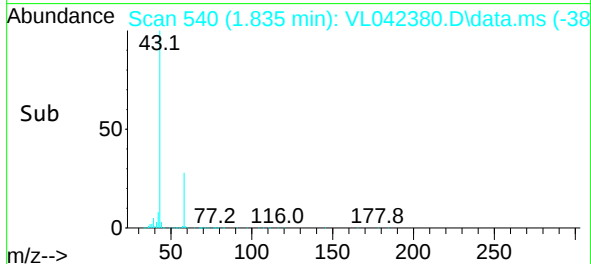
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL



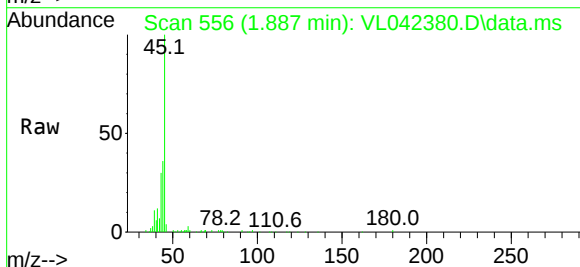
Tgt Ion: 43 Resp: 56371
Ion Ratio Lower Upper
43 100
58 27.0 22.4 33.6

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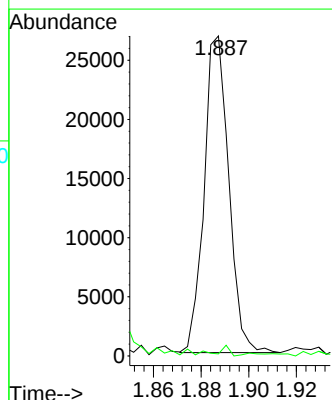
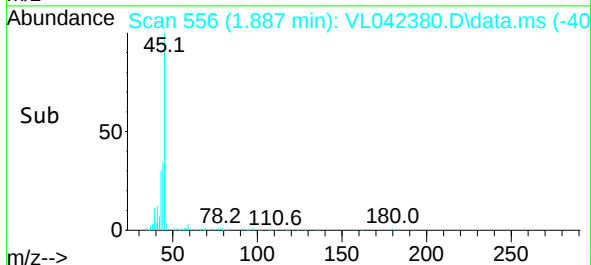
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

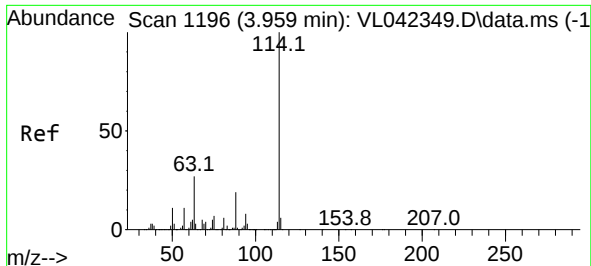


#19
Isopropyl Alcohol
Concen: 2.354 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34



Tgt Ion: 45 Resp: 19270
Ion Ratio Lower Upper
45 100
58 790.9 34.5 51.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL042380.D

Acq: 18 Apr 2025 03:34

Instrument :

MSVOA_L

ClientSampleId :

IA-B2-1-03312025DL

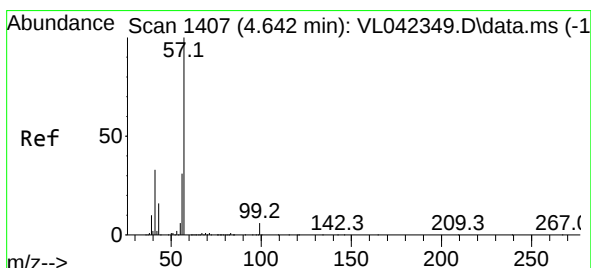
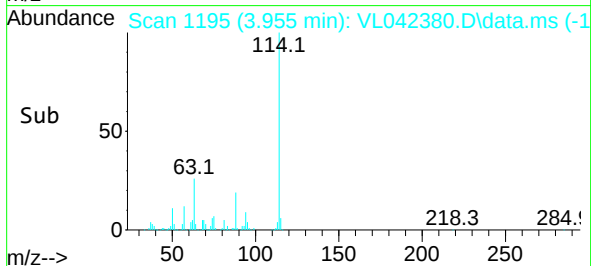
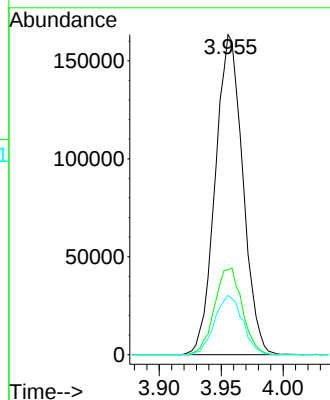
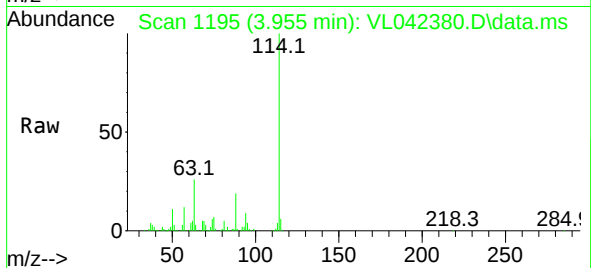
Tgt Ion:	114	Resp:	252514
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.8	32.6
88	18.8	15.5	23.3

Manual Integrations

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#44

2,2,4-Trimethylpentane

Concen: 0.626 ppbv

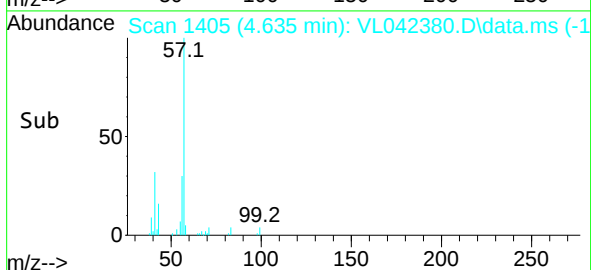
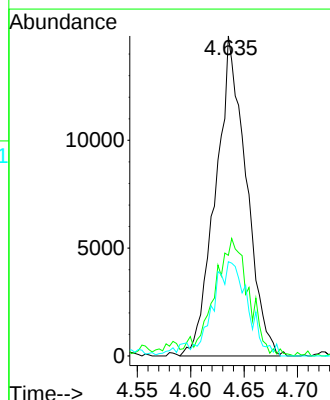
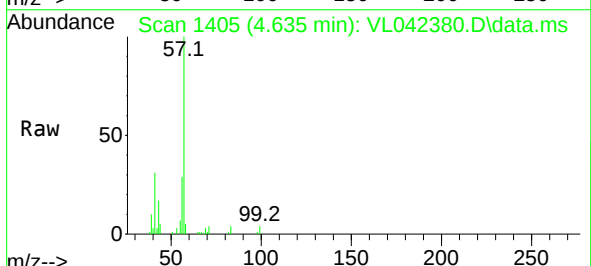
RT: 4.635 min Scan# 1405

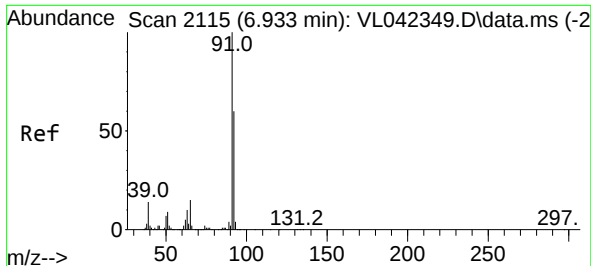
Delta R.T. -0.006 min

Lab File: VL042380.D

Acq: 18 Apr 2025 03:34

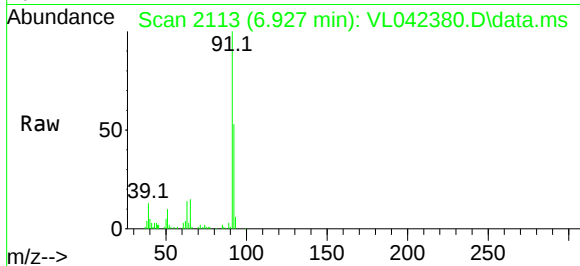
Tgt Ion:	57	Resp:	29451
Ion	Ratio	Lower	Upper
57	100		
41	42.2	27.2	40.8
56	35.5	25.7	38.5





#53
Toluene
Concen: 1.745 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.006 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

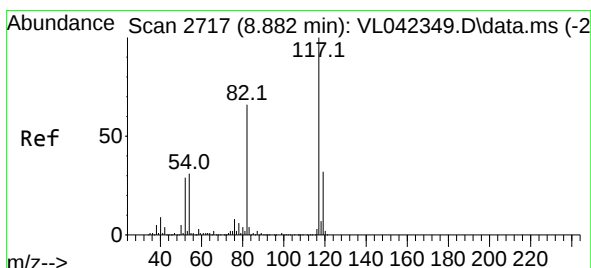
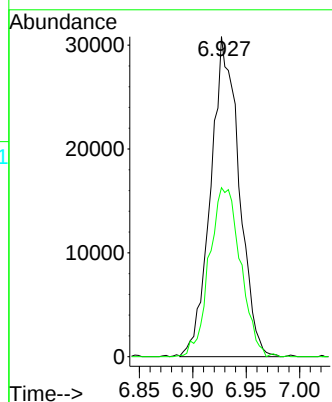
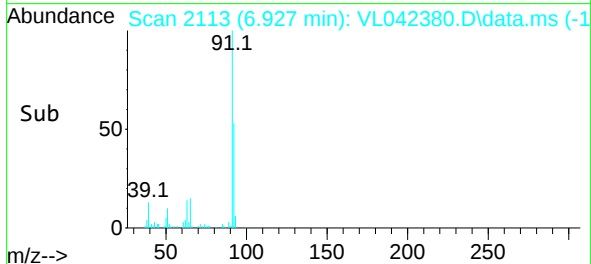
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL



Tgt Ion: 91 Resp: 57048
Ion Ratio Lower Upper
91 100
92 58.1 48.2 72.4

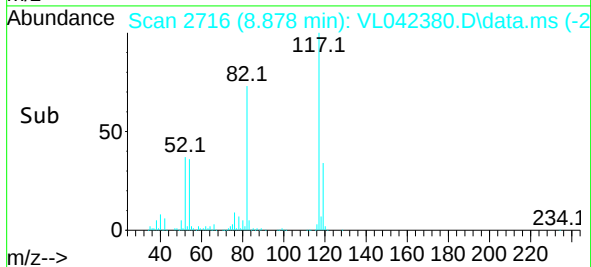
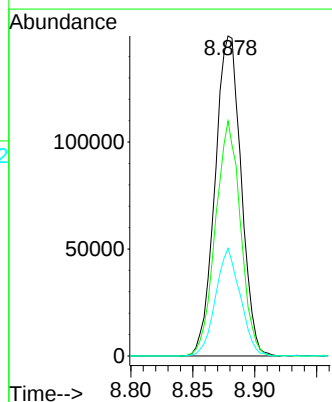
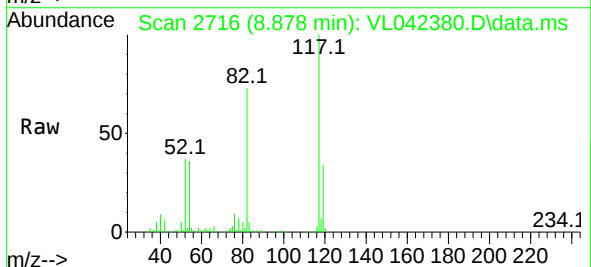
Manual Integrations
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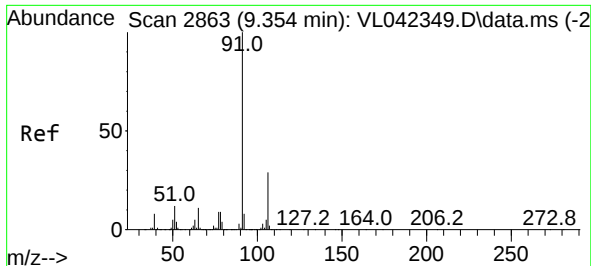
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

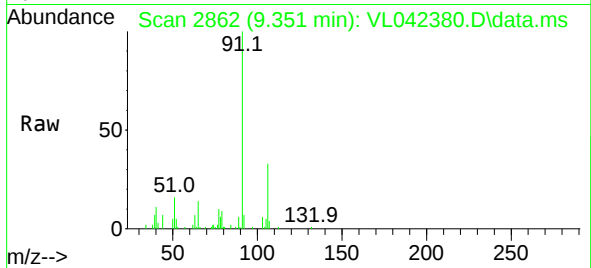
Tgt Ion:117 Resp: 219443
Ion Ratio Lower Upper
117 100
82 70.4 57.8 86.6
119 31.8 25.2 37.8





#58
Ethyl Benzene
Concen: 0.333 ppbv
RT: 9.351 min Scan# 2149
Delta R.T. -0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

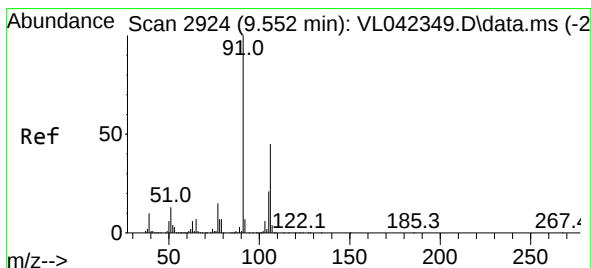
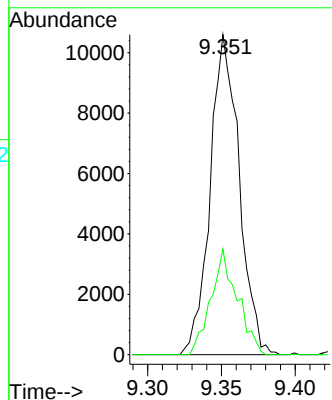
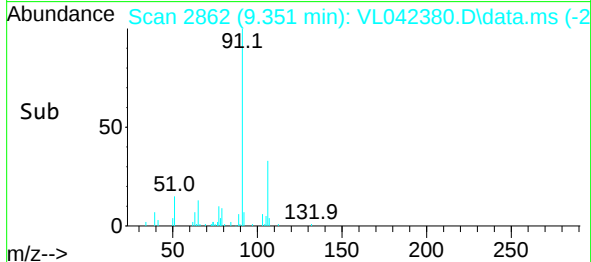
Instrument : MSVOA_L
ClientSampleId : IA-B2-1-03312025DL



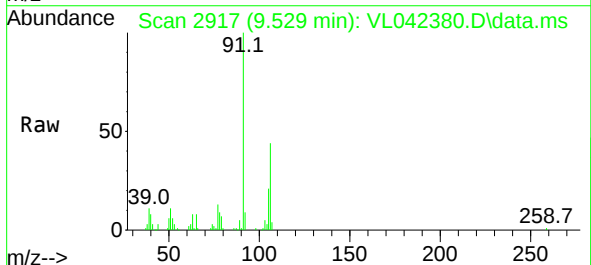
Tgt Ion: 91 Resp: 1449
Ion Ratio Lower Upper
91 100
106 33.0 23.0 34.4

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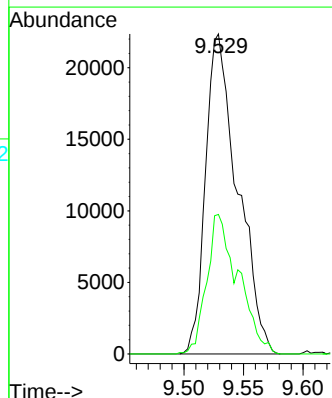
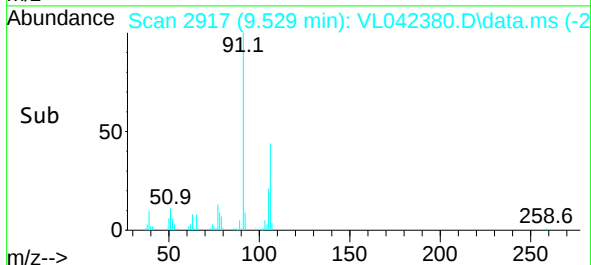
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

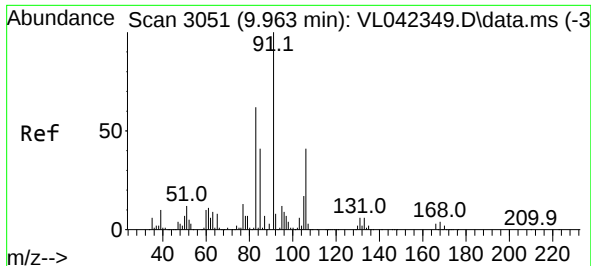


#59
m/p-Xylene
Concen: 1.196 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34



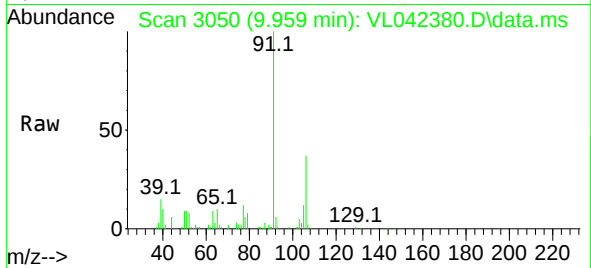
Tgt Ion: 91 Resp: 41899
Ion Ratio Lower Upper
91 100
106 43.0 35.4 53.2





#60
o-Xylene
Concen: 0.457 ppbv
RT: 9.959 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

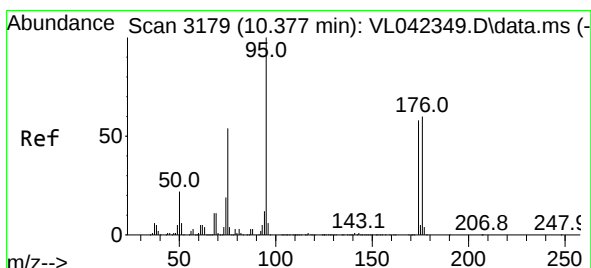
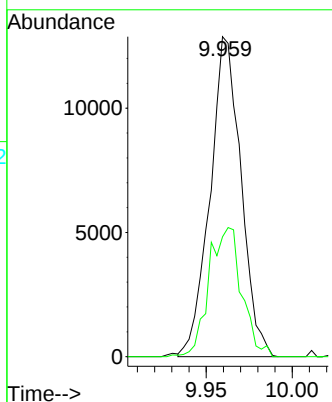
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL



Tgt Ion: 91 Resp: 16128
Ion Ratio Lower Upper
91 100
106 42.8 21.1 63.4

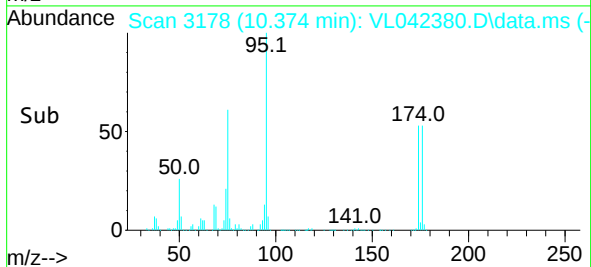
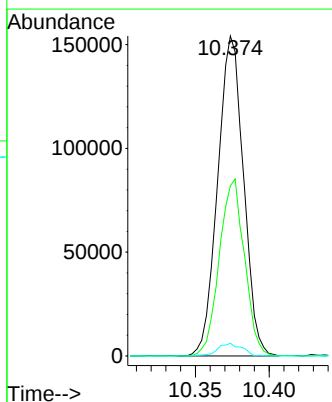
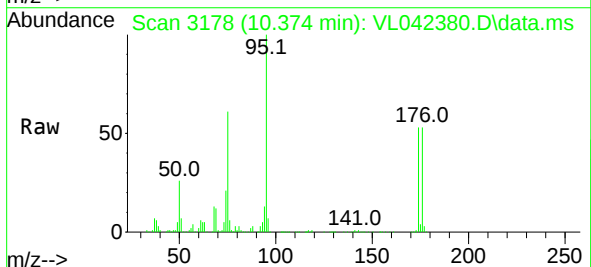
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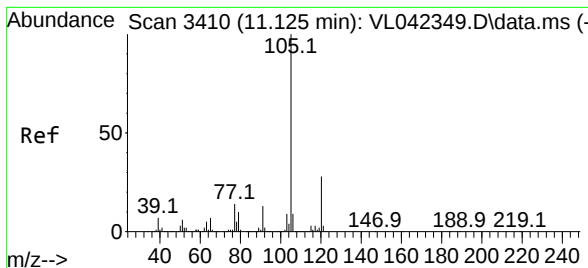
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.416 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. -0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

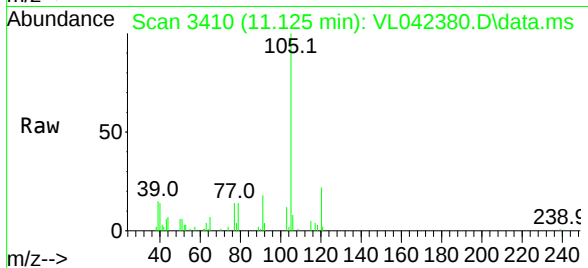
Tgt Ion: 95 Resp: 187830
Ion Ratio Lower Upper
95 100
174 53.9 48.5 72.7
175 3.8 3.7 5.5





#72
4-Ethyltoluene
Concen: 0.168 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

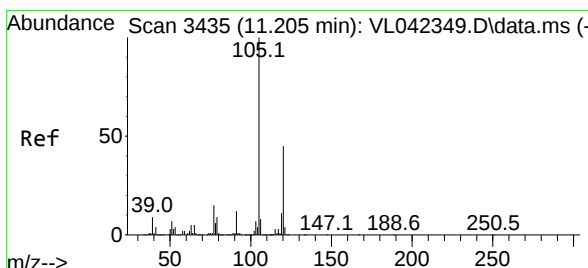
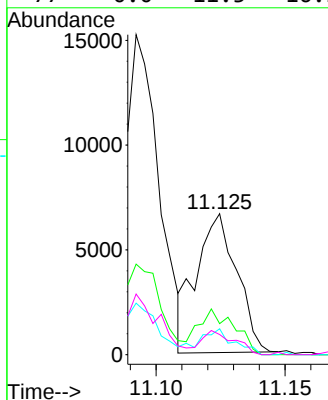
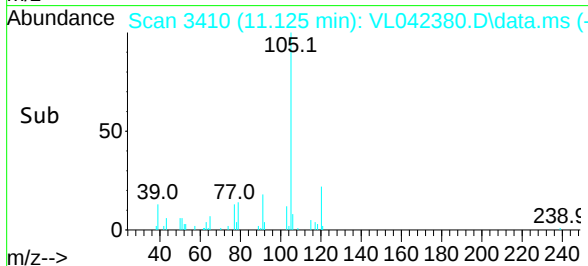
Instrument :
MSVOA_L
ClientSampleId :
IA-B2-1-03312025DL



Tgt Ion:105 Resp: 7252
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8
91 13.8 10.4 15.6
77 0.0 11.3 16.9#

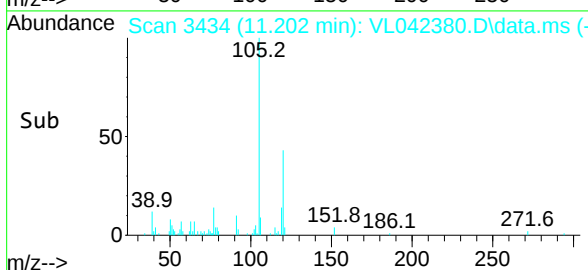
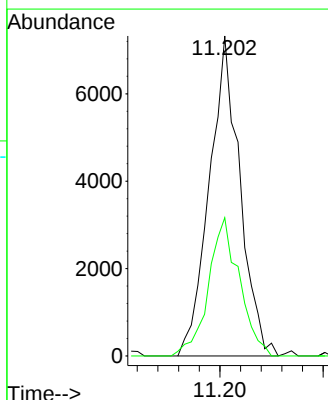
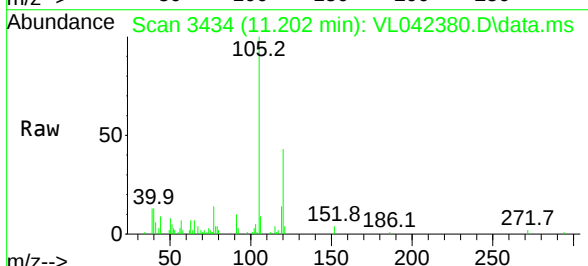
Manual Integrations
APPROVED

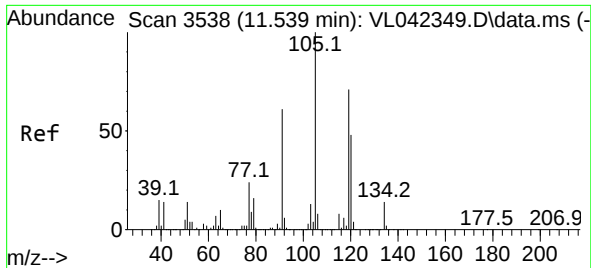
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#73
1,3,5-Trimethylbenzene
Concen: 0.198 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. -0.003 min
Lab File: VL042380.D
Acq: 18 Apr 2025 03:34

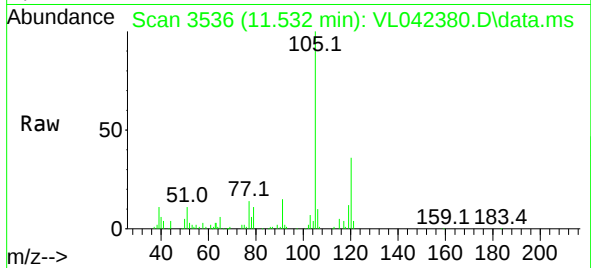
Tgt Ion:105 Resp: 7522
Ion Ratio Lower Upper
105 100
120 43.2 35.6 53.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.493 ppbv
 RT: 11.532 min Scan# 3536
 Delta R.T. -0.006 min
 Lab File: VL042380.D
 Acq: 18 Apr 2025 03:34

Instrument : MSVOA_L
 ClientSampleId : IA-B2-1-03312025DL



Tgt Ion:	105	Resp:	21924
Ion Ratio	Lower	Upper	
105	100		
120	35.8	38.1	57.1
91	15.0	48.8	73.2
77	14.5	19.0	28.4

Manual Integrations
 APPROVED

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

