

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042376.D
 Acq On : 18 Apr 2025 01:30
 Operator : SY/MD
 Sample : Q1726-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 04:39:28 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	100356	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	288404	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	249449	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	207163	10.106	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	1554m	0.202	ppbv	
10) Heptane	4.978	43	10406	0.482	ppbv	91
13) Ethanol	1.722	45	20340	16.643	ppbv	80
15) Acetone	1.835	43	516180	31.420	ppbv	98
19) Isopropyl Alcohol	1.887	45	16398	1.797	ppbv #	1
30) Cyclohexane	3.868	84	1581m	0.119	ppbv	
36) Benzene	3.658	78	3637m	0.117	ppbv	
44) 2,2,4-Trimethylpentane	4.641	57	54714	1.018	ppbv	94
53) Toluene	6.930	91	107299	2.874	ppbv	98
58) Ethyl Benzene	9.354	91	29882	0.605	ppbv	94
59) m/p-Xylene	9.529	91	88263	2.217	ppbv	99
60) o-Xylene	9.963	91	34430	0.859	ppbv	97
64) n-propylbenzene	10.992	120	2336	0.158	ppbv	75
72) 4-Ethyltoluene	11.128	105	15927	0.325	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.205	105	16220	0.375	ppbv	95
74) 1,2,4-Trimethylbenzene	11.536	105	57208	1.132	ppbv #	60

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

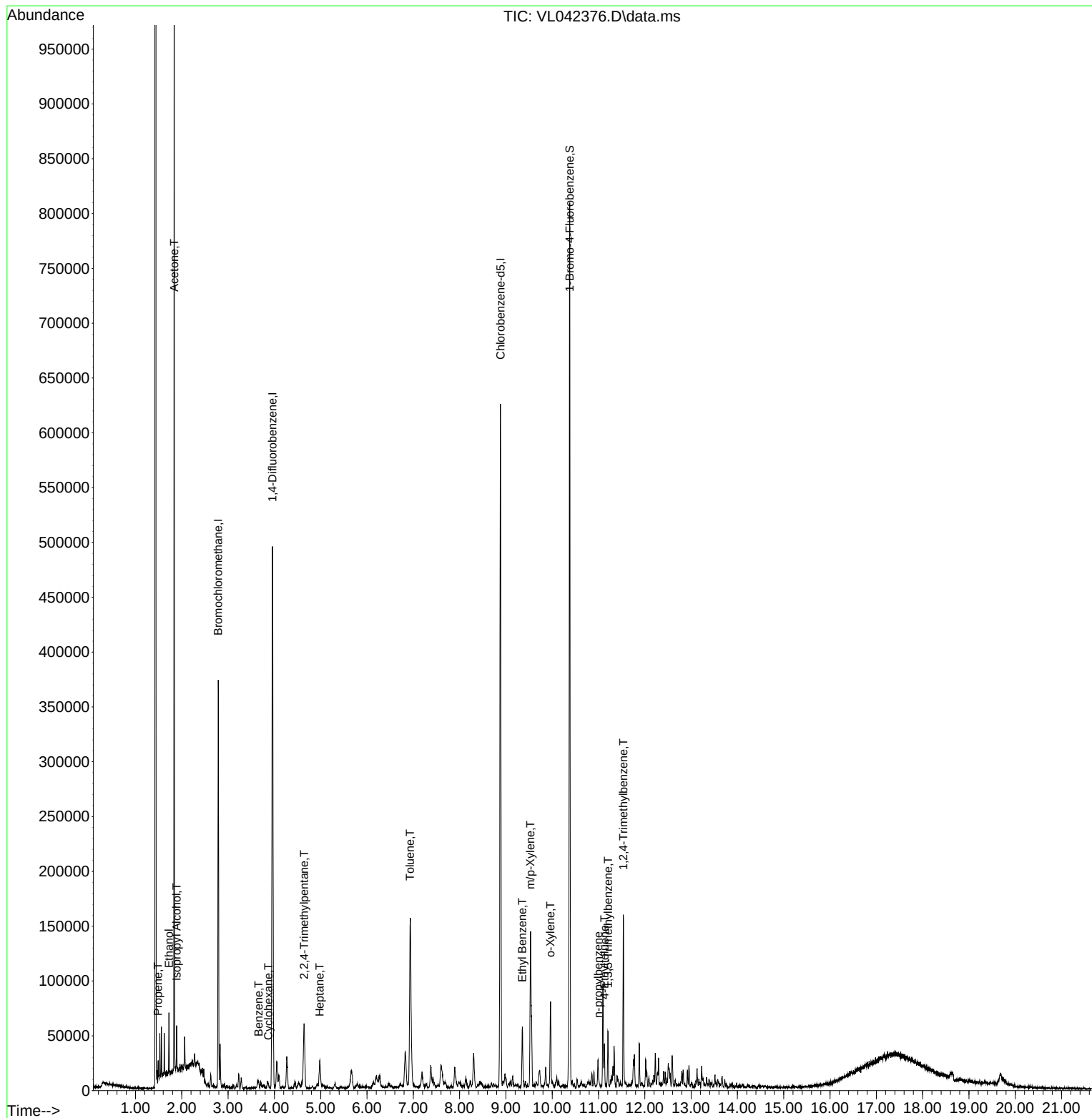
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
Data File : VL042376.D
Acq On : 18 Apr 2025 01:30
Operator : SY/MD
Sample : Q1726-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

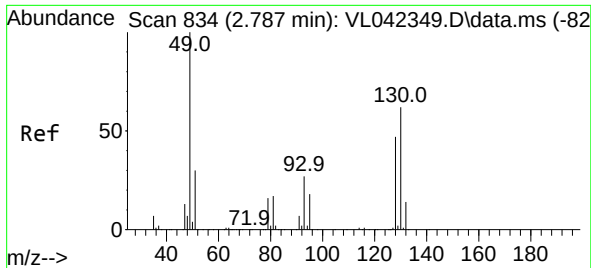
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL

Quant Time: Apr 18 04:39:28 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

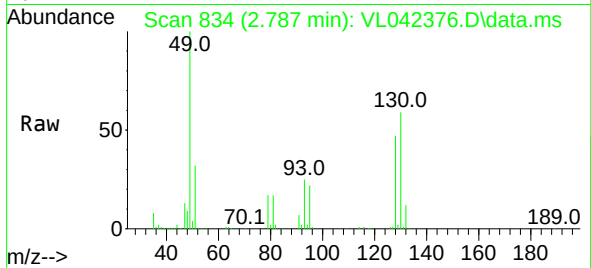
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

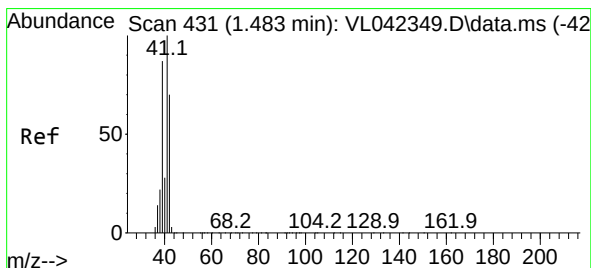
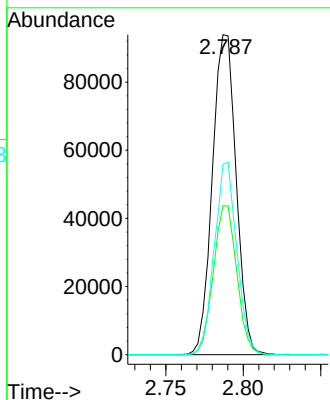
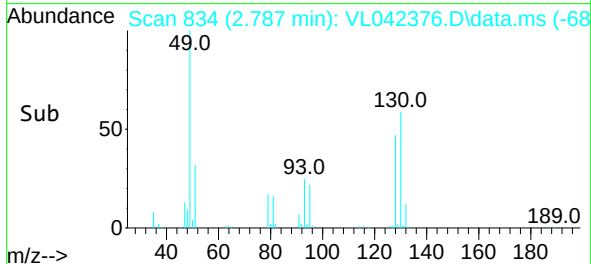
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL



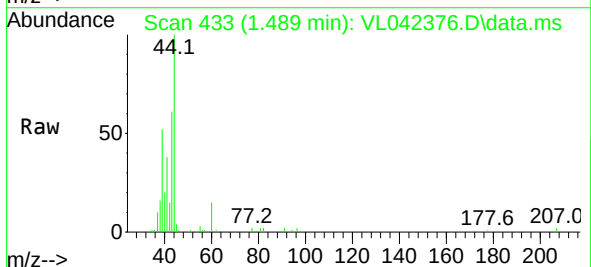
Tgt Ion: 49 Resp: 100350
Ion Ratio Lower Upper
49 100
128 45.8 22.8 68.4
130 57.1 29.3 88.0

Manual Integrations
APPROVED

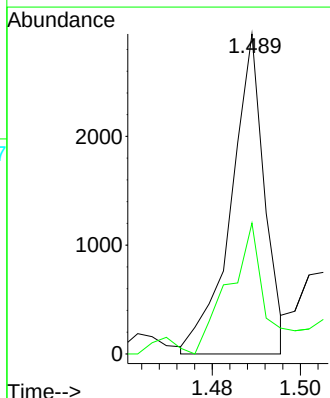
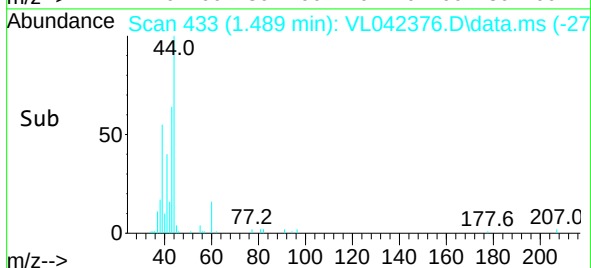
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

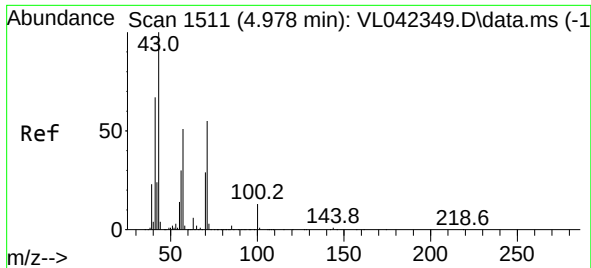


#9
Propene
Concen: 0.202 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.006 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30



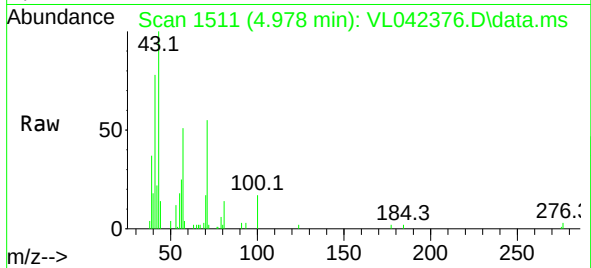
Tgt Ion: 41 Resp: 1554
Ion Ratio Lower Upper
41 100
42 183.7 56.2 84.4#





#10
Heptane
Concen: 0.482 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

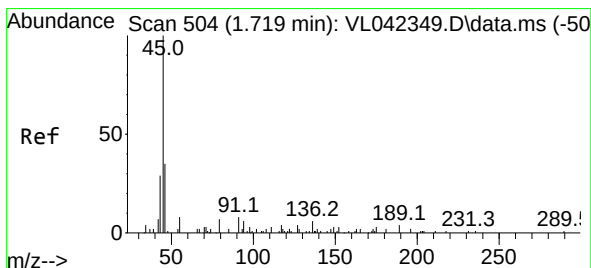
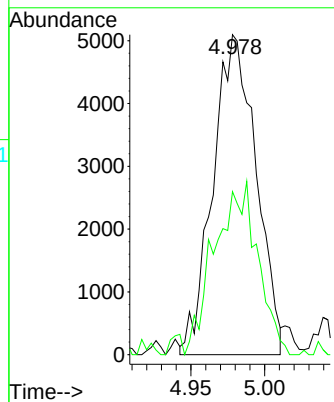
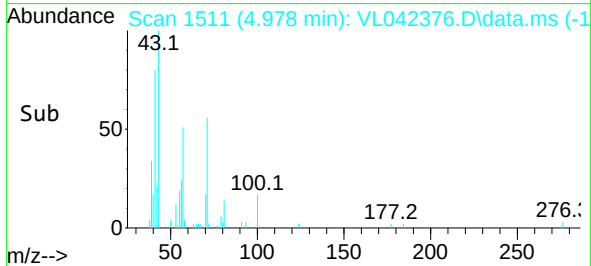
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



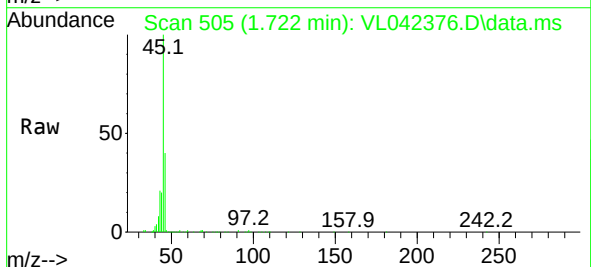
Tgt Ion: 43 Resp: 10400
Ion Ratio Lower Upper
43 100
57 56.4 39.9 59.9

Manual Integrations
APPROVED

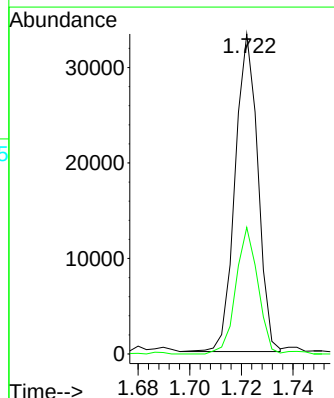
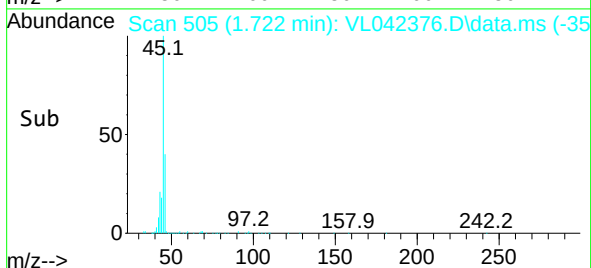
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

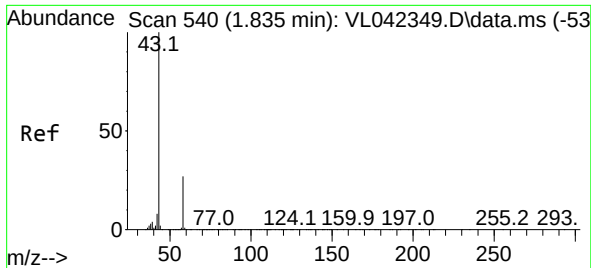


#13
Ethanol
Concen: 16.643 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30



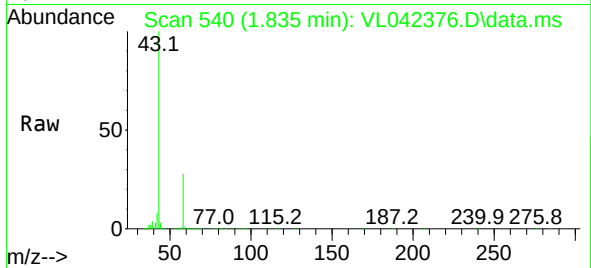
Tgt Ion: 45 Resp: 20340
Ion Ratio Lower Upper
45 100
46 40.5 21.9 87.7





#15
Acetone
Concen: 31.420 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

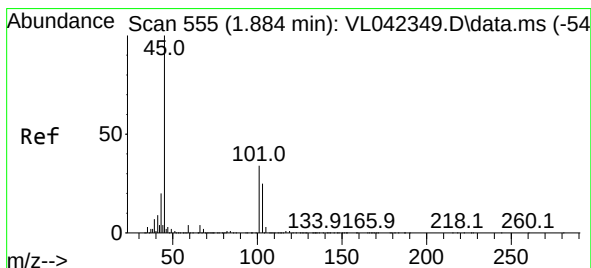
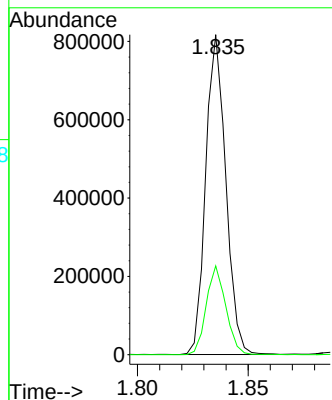
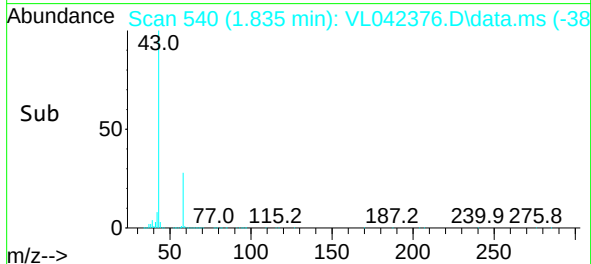
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



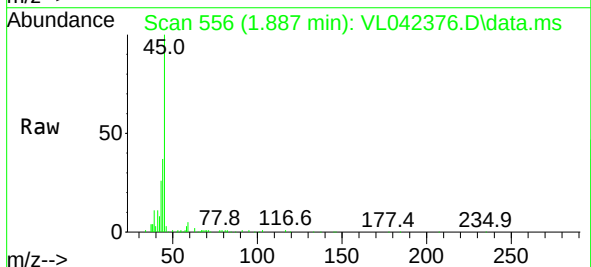
Tgt Ion: 43 Resp: 516180
Ion Ratio Lower Upper
43 100
58 27.1 22.4 33.6

Manual Integrations
APPROVED

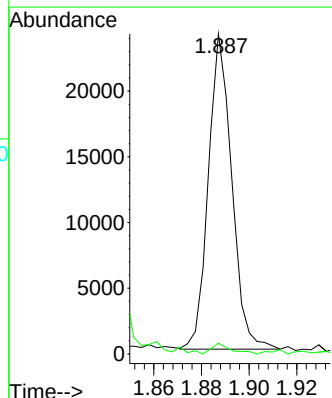
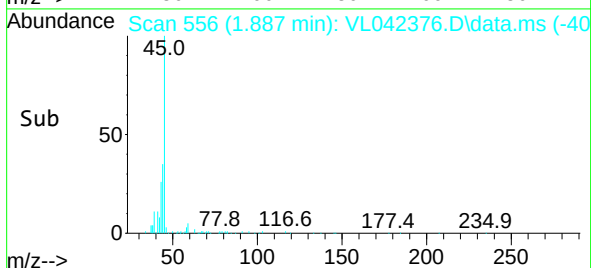
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

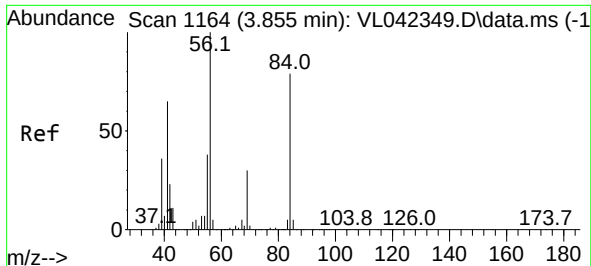


#19
Isopropyl Alcohol
Concen: 1.797 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30



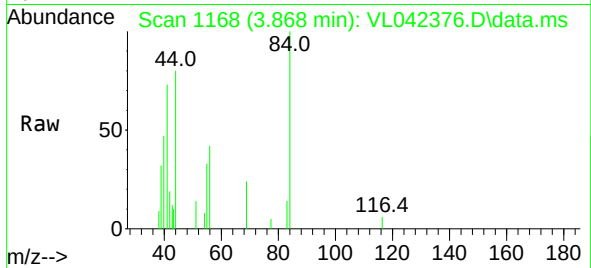
Tgt Ion: 45 Resp: 16398
Ion Ratio Lower Upper
45 100
58 851.7 34.5 51.7#





#30
Cyclohexane
Concen: 0.119 ppbv m
RT: 3.868 min Scan# 1164
Delta R.T. 0.013 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

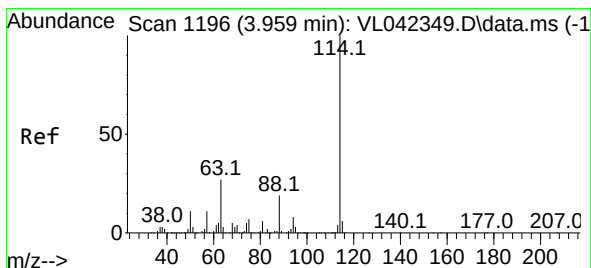
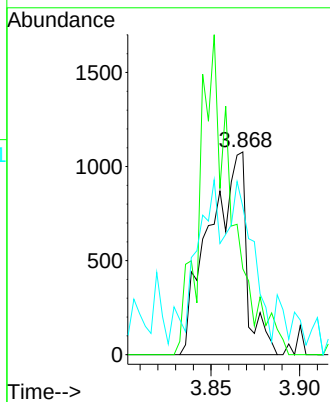
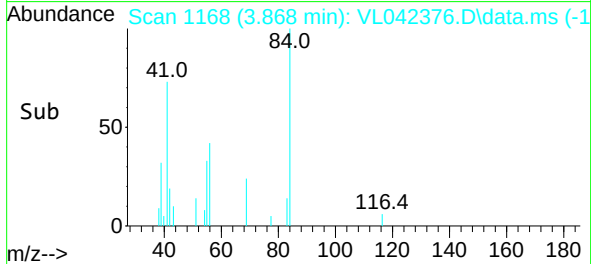
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



Tgt Ion: 84 Resp: 158
Ion Ratio Lower Upper
84 100
56 138.1 101.0 151.4
41 124.3 67.4 101.0

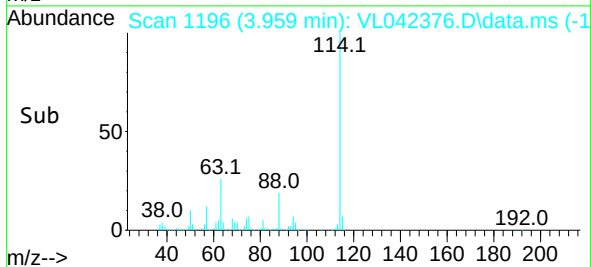
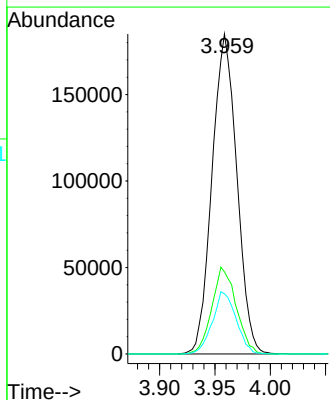
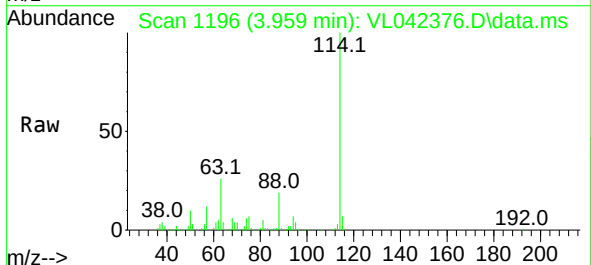
Manual Integrations
APPROVED

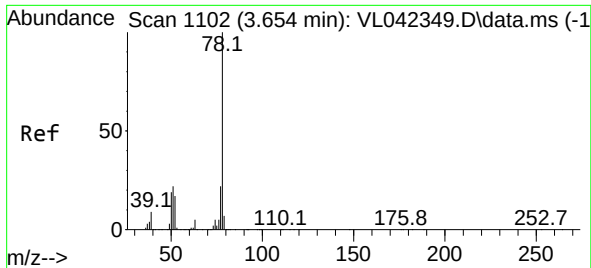
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

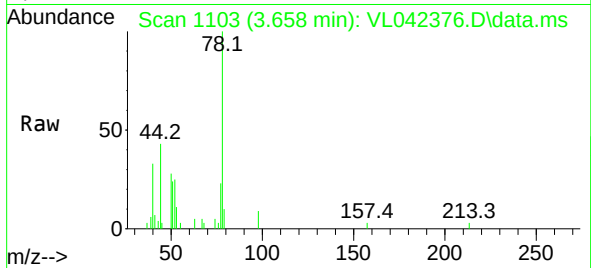
Tgt Ion:114 Resp: 288404
Ion Ratio Lower Upper
114 100
63 26.7 21.8 32.6
88 18.6 15.5 23.3





#36
Benzene
Concen: 0.117 ppbv m
RT: 3.658 min Scan# 1103
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

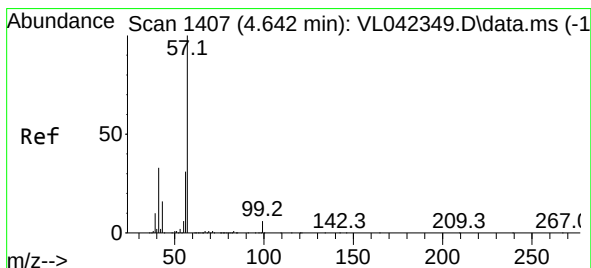
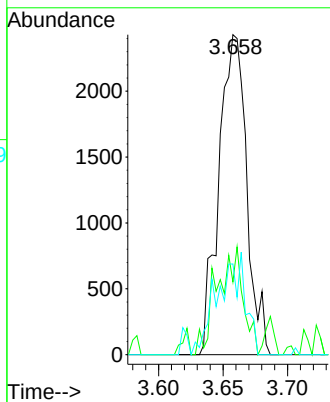
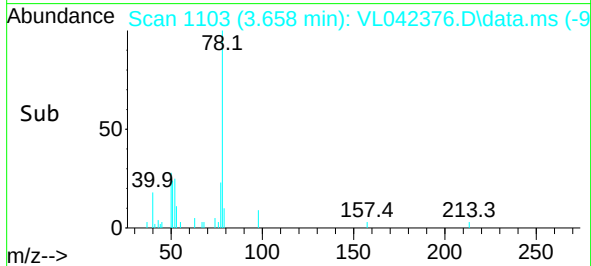
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



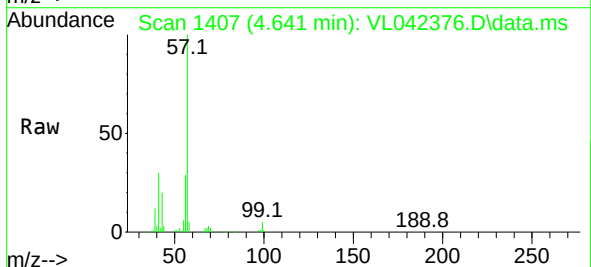
Tgt Ion: 78 Resp: 363
Ion Ratio Lower Upper
78 100
77 22.8 17.4 26.0
50 28.3 15.5 23.3

Manual Integrations
APPROVED

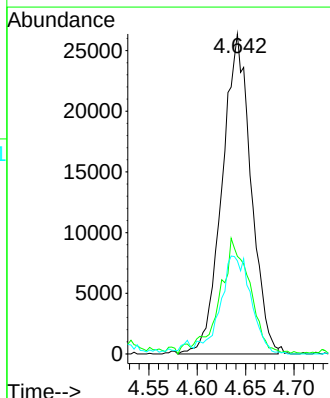
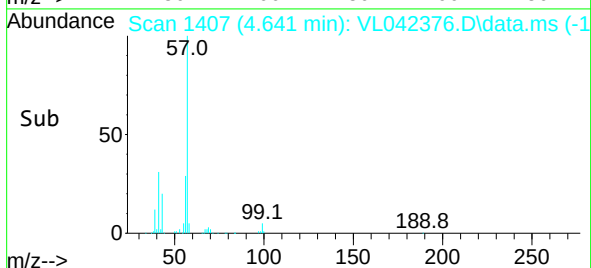
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

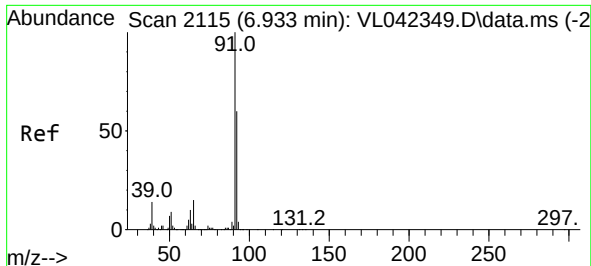


#44
2,2,4-Trimethylpentane
Concen: 1.018 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30



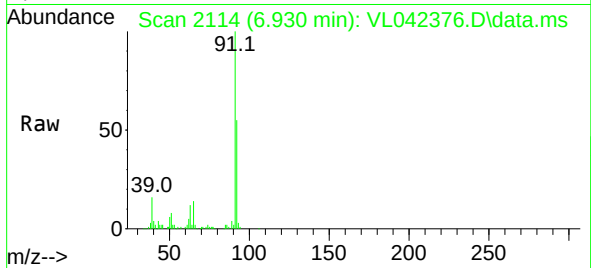
Tgt Ion: 57 Resp: 54714
Ion Ratio Lower Upper
57 100
41 38.6 27.2 40.8
56 34.7 25.7 38.5





#53
Toluene
Concen: 2.874 ppbv
RT: 6.930 min Scan# 2115
Delta R.T. -0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

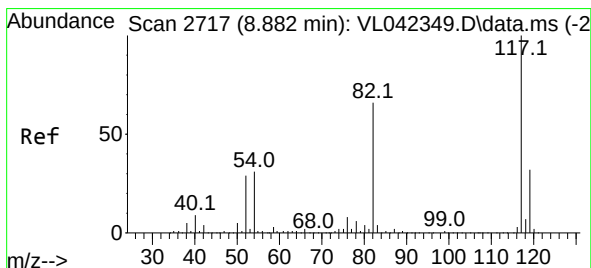
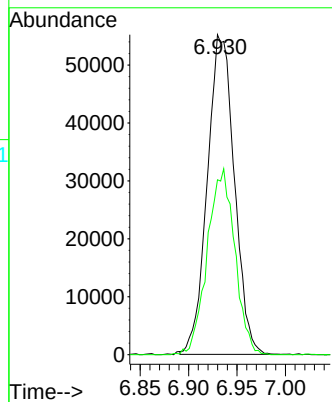
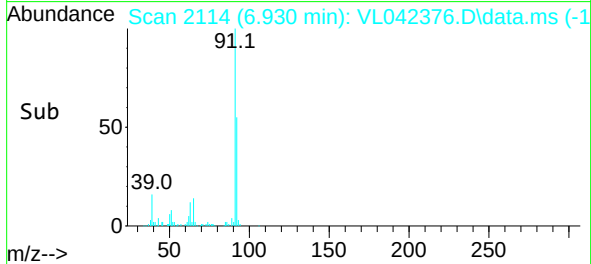
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



Tgt Ion: 91 Resp: 107299
Ion Ratio Lower Upper
91 100
92 59.1 48.2 72.4

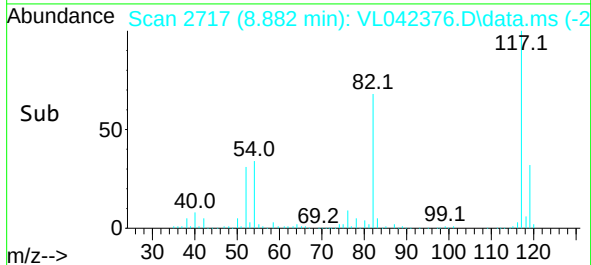
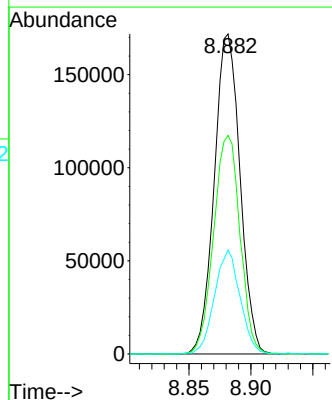
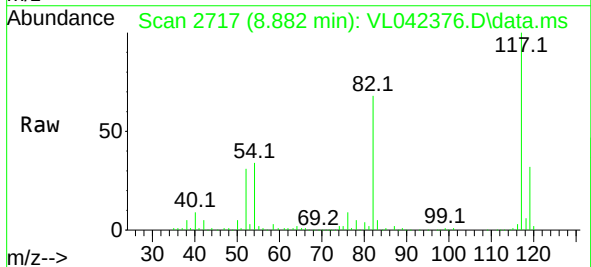
Manual Integrations
APPROVED

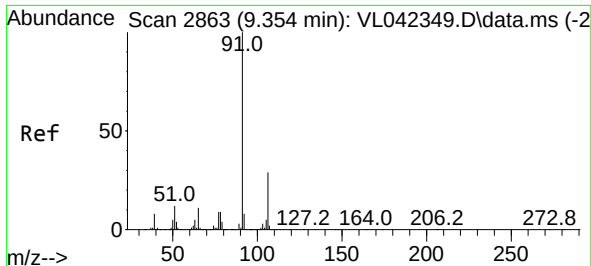
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

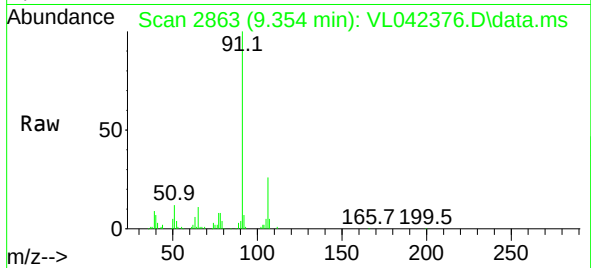
Tgt Ion:117 Resp: 249449
Ion Ratio Lower Upper
117 100
82 69.7 57.8 86.6
119 32.2 25.2 37.8





#58
Ethyl Benzene
Concen: 0.605 ppbv
RT: 9.354 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

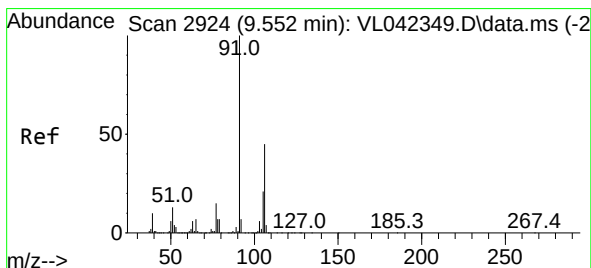
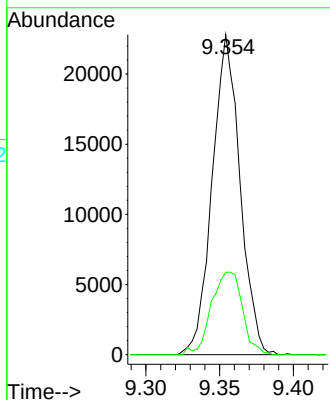
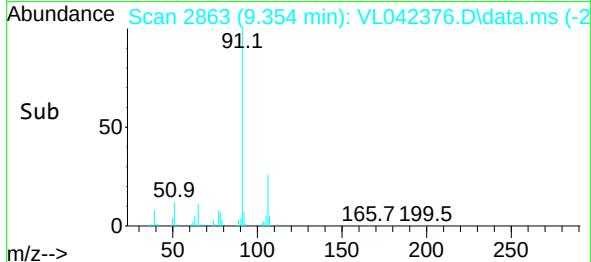
Instrument :
MSVOA_L
ClientSampleId :
IA-DUP-3-03312025DL



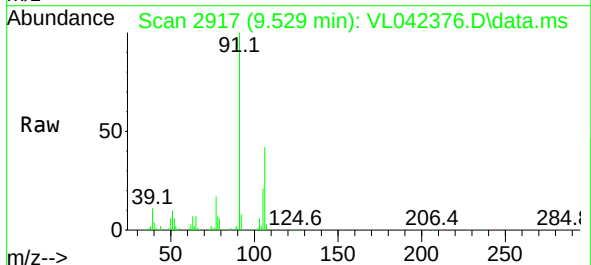
Tgt Ion: 91 Resp: 2988
Ion Ratio Lower Upper
91 100
106 25.8 23.0 34.4

Manual Integrations
APPROVED

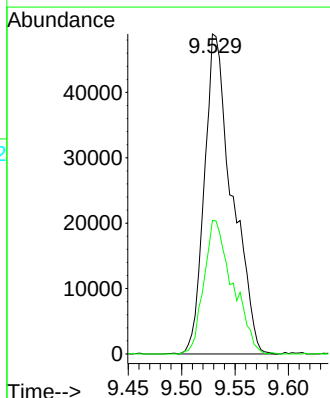
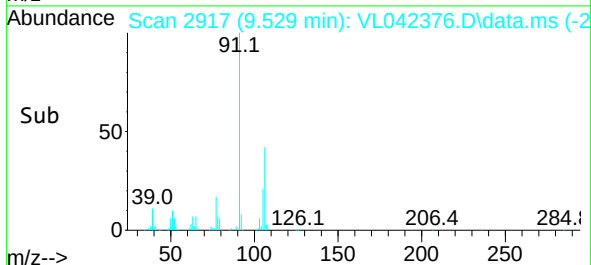
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025

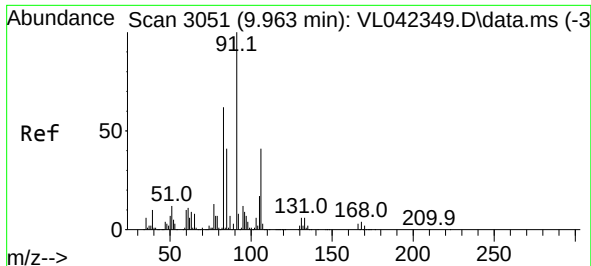


#59
m/p-Xylene
Concen: 2.217 ppbv
RT: 9.529 min Scan# 2917
Delta R.T. -0.023 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30



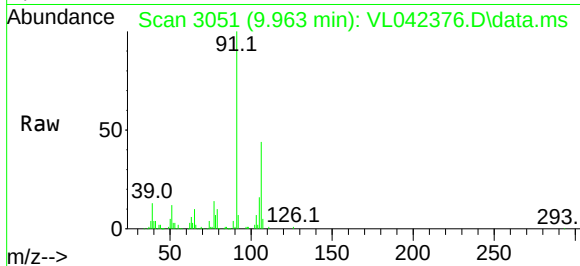
Tgt Ion: 91 Resp: 88263
Ion Ratio Lower Upper
91 100
106 43.4 35.4 53.2





#60
o-Xylene
Concen: 0.859 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

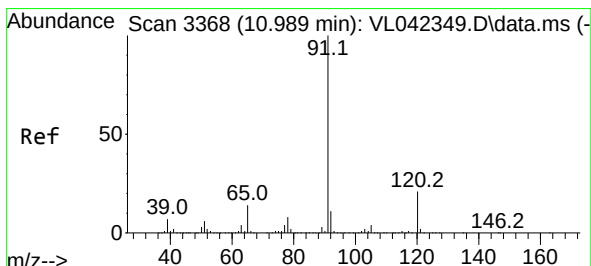
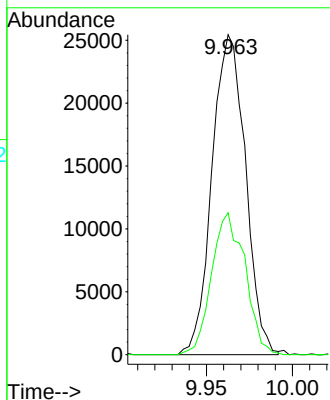
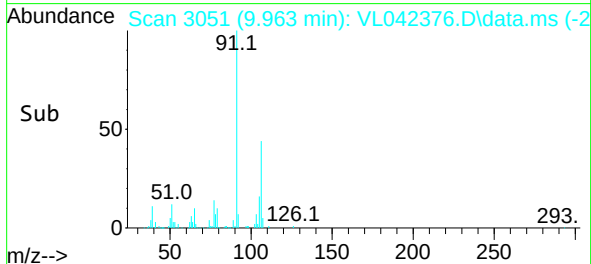
Instrument : MSVOA_L
ClientSampleId : IA-DUP-3-03312025DL



Tgt Ion: 91 Resp: 34430
Ion Ratio Lower Upper
91 100
106 44.3 21.1 63.4

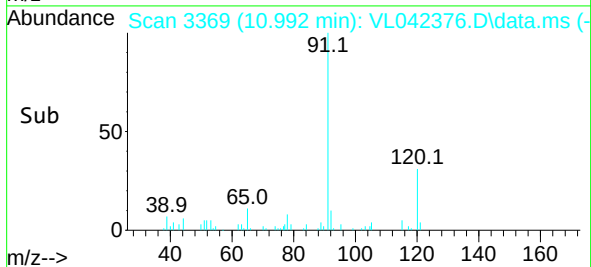
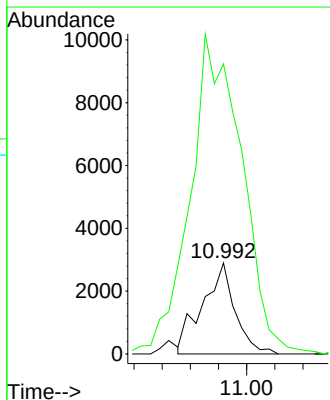
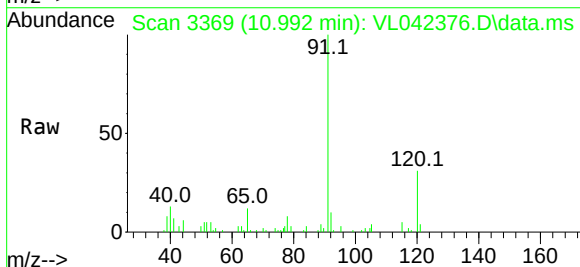
Manual Integrations
APPROVED

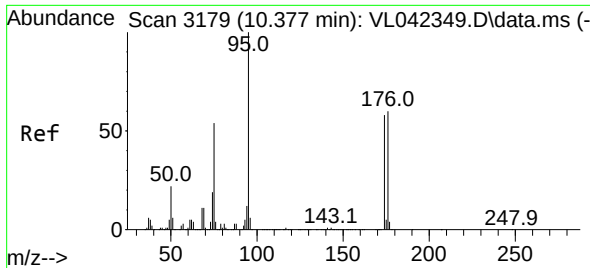
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#64
n-propylbenzene
Concen: 0.158 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion:120 Resp: 2336
Ion Ratio Lower Upper
120 100
91 559.2 392.4 588.6





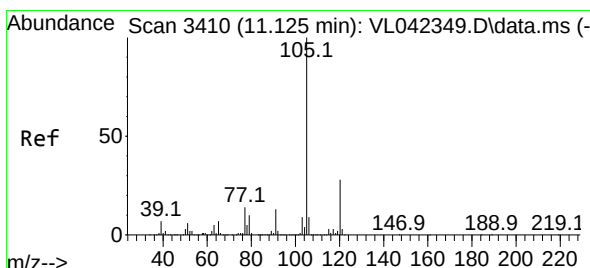
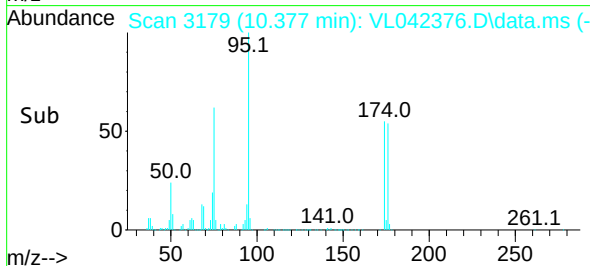
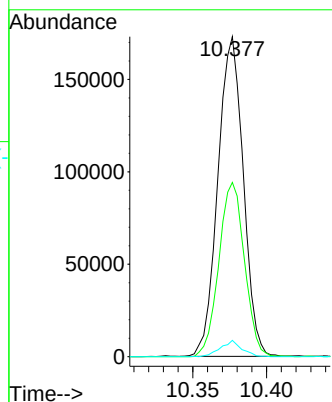
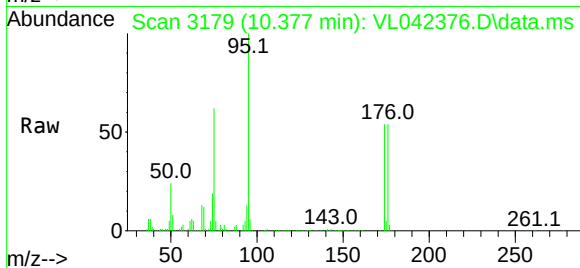
#68
1-Bromo-4-Fluorobenzene
Concen: 10.106 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

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

Tgt Ion: 95 Resp: 20716
Ion Ratio Lower Upper
95 100
174 54.9 48.5 72.7
175 4.3 3.7 5.5

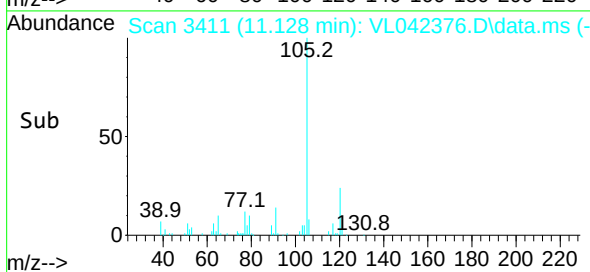
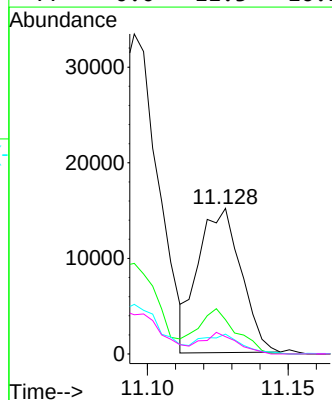
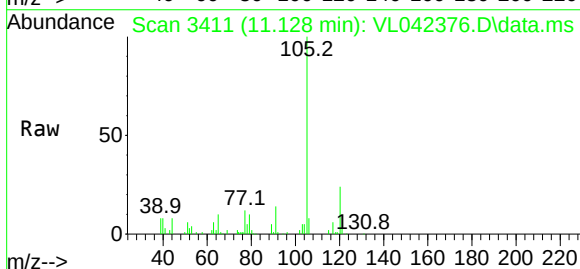
Manual Integrations
APPROVED

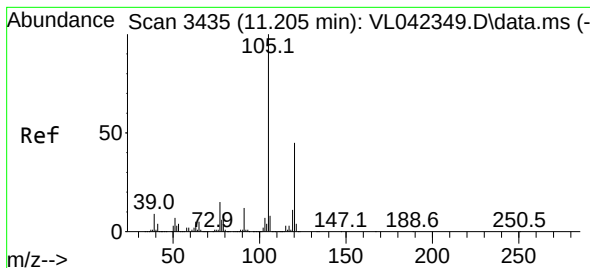
Reviewed By :Semsettin Yesilyurt 04/18/2025
Supervised By :Mahesh Dadoda 04/18/2025



#72
4-Ethyltoluene
Concen: 0.325 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL042376.D
Acq: 18 Apr 2025 01:30

Tgt Ion:105 Resp: 15927
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#





#73

1,3,5-Trimethylbenzene

Concen: 0.375 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL042376.D

Acq: 18 Apr 2025 01:30

Instrument :

MSVOA_L

ClientSampleId :

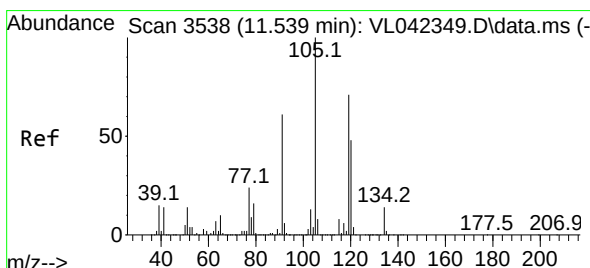
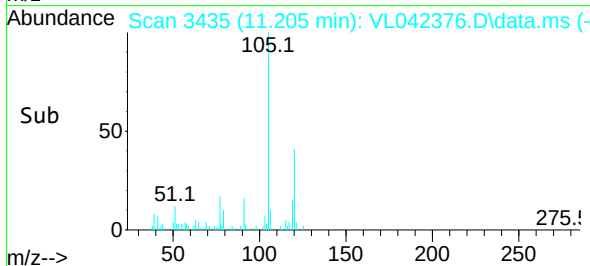
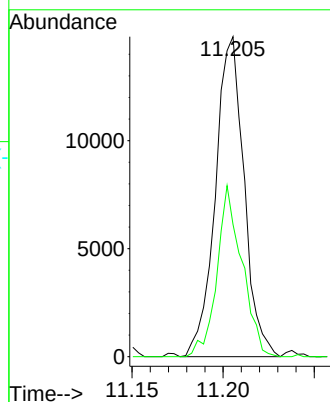
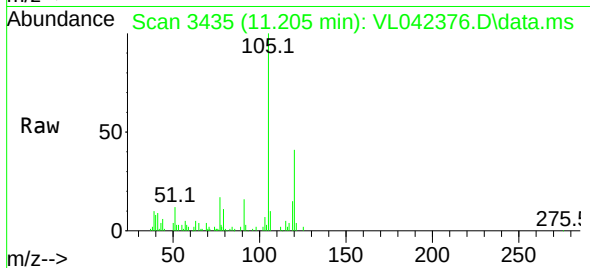
IA-DUP-3-03312025DL

Tgt Ion:105 Resp: 16220
 Ion Ratio Lower Upper
 105 100
 120 41.4 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: 1.132 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL042376.D

Acq: 18 Apr 2025 01:30

Tgt Ion:105 Resp: 57208
 Ion Ratio Lower Upper
 105 100
 120 35.2 38.1 57.1#
 91 11.9 48.8 73.2#
 77 14.3 19.0 28.4#

