

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040146.D
 Acq On : 6 Feb 2023 15:04
 Operator : SY/MD
 Sample : 01438-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 05:55:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.182	49	984330	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2630613	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2257146	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1738068	9.265	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	22606	0.131	ppbv	89
9) Propene	2.681	41	441858	9.008	ppbv	99
10) Heptane	7.581	43	15124m	0.134	ppbv	
13) Ethanol	3.230	45	27475m	6.085	ppbv	
15) Acetone	3.465	43	455728	3.860	ppbv #	82
19) Isopropyl Alcohol	3.571	45	381947	6.613	ppbv	99
20) Methylene Chloride	3.922	84	255632	4.908	ppbv	95
26) Hexane	5.201	57	213289	2.343	ppbv #	38
30) Cyclohexane	6.600	84	39572m	0.547	ppbv	
36) Benzene	6.362	78	819599	4.210	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	134906	0.417	ppbv #	81
53) Toluene	9.214	91	833479	4.014	ppbv	99
58) Ethyl Benzene	12.089	91	116675	0.463	ppbv	96
59) m/p-Xylene	12.343	91	248159	1.096	ppbv	94
60) o-Xylene	13.056	91	107833	0.502	ppbv	95
74) 1,2,4-Trimethylbenzene	16.111	105	59392m	0.250	ppbv	

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

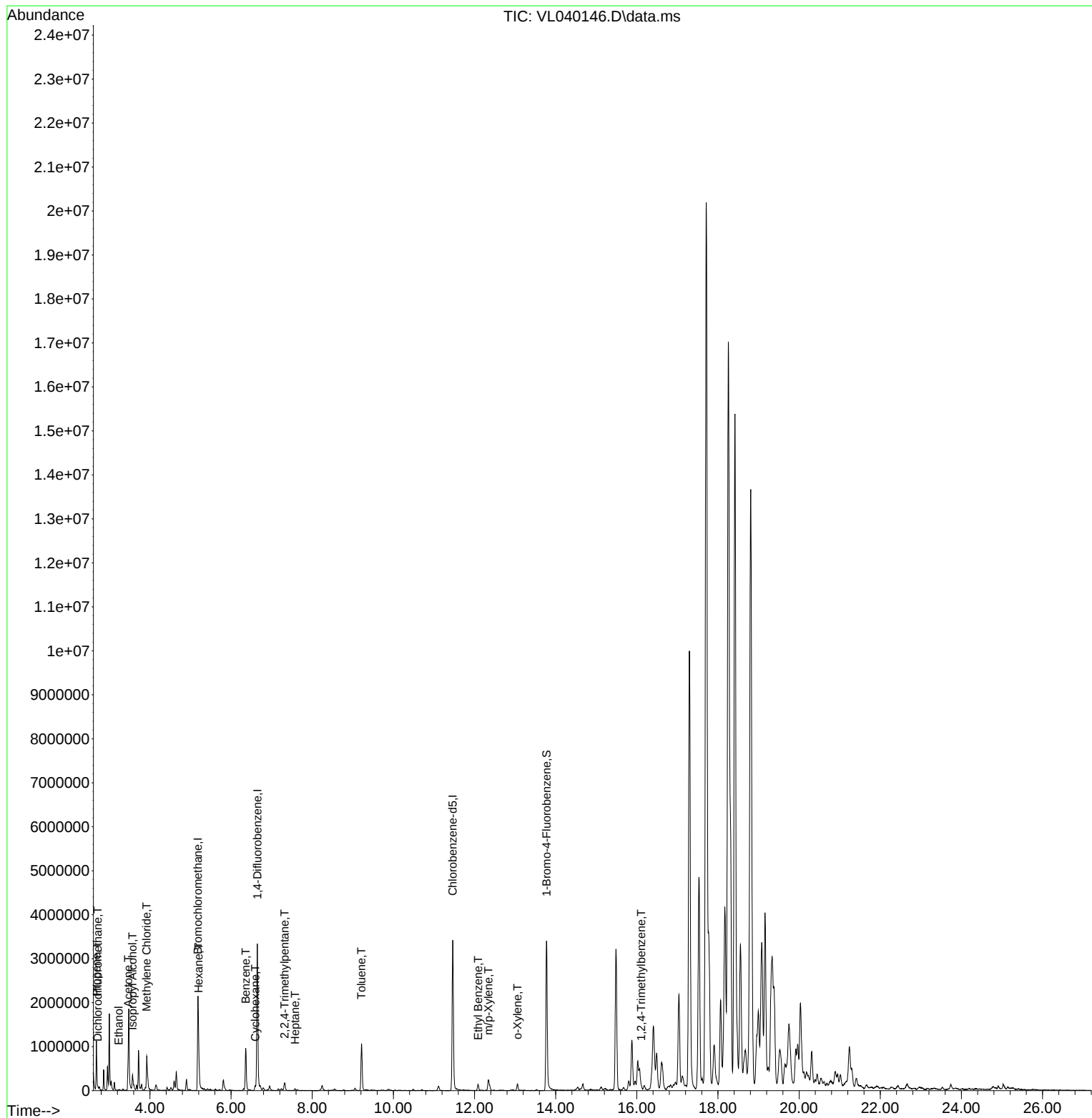
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040146.D
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

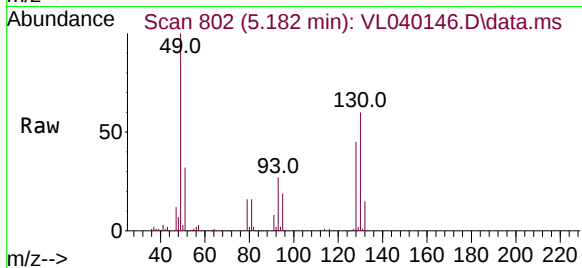
Reviewed By : Semsettin Yesilyurt 02/07/2023
Supervised By : Mahesh Dadoda 02/08/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

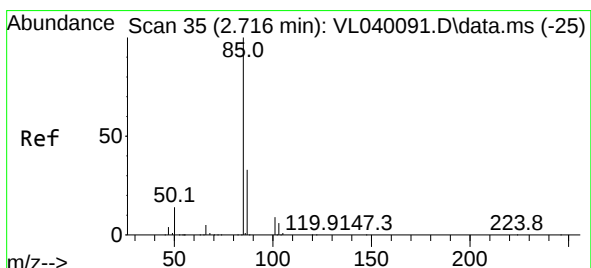
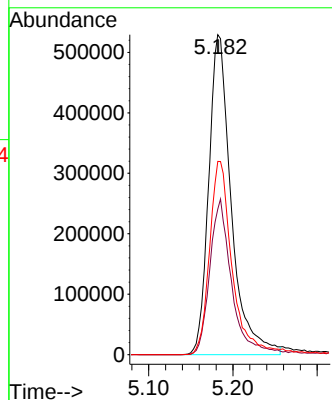
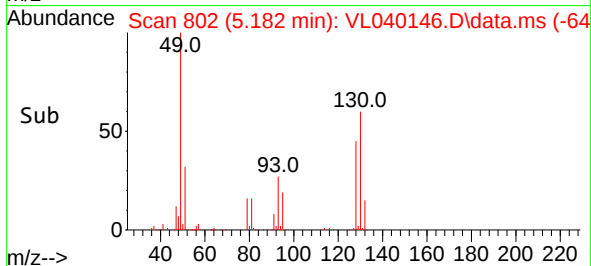
Instrument :
MSVOA_L
ClientSampleId :
SV3



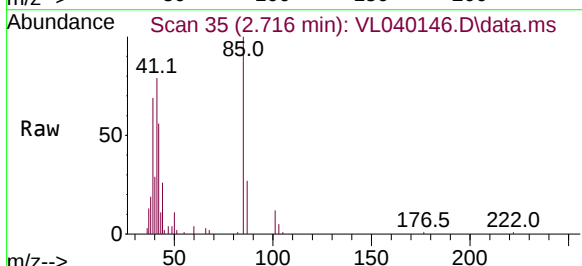
Tgt Ion: 49 Resp: 984330
Ion Ratio Lower Upper
49 100
128 48.9 23.6 71.0
130 62.8 29.8 89.3

Manual Integrations
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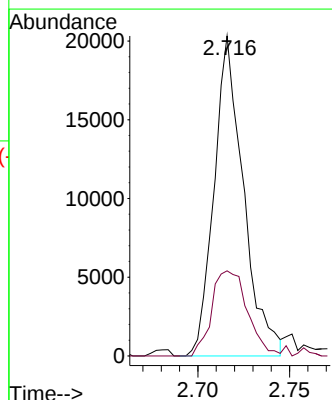
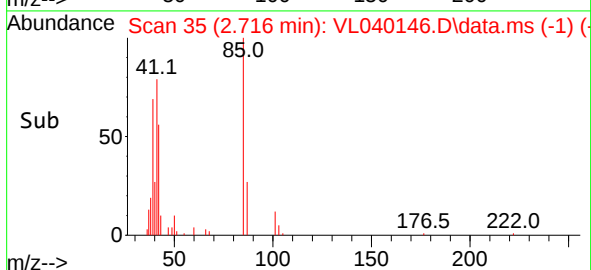
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

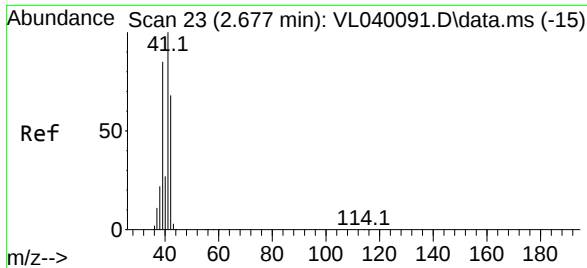


#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04



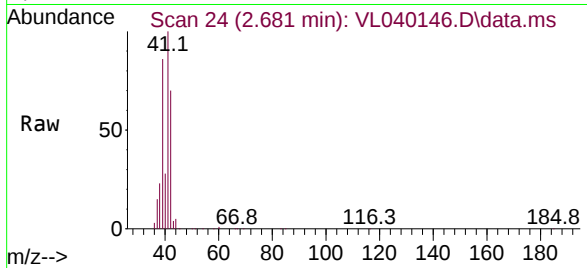
Tgt Ion: 85 Resp: 22606
Ion Ratio Lower Upper
85 100
87 26.6 26.5 39.7





#9
 Propene
 Concen: 9.008 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: VL040146.D
 Acq: 6 Feb 2023 15:04

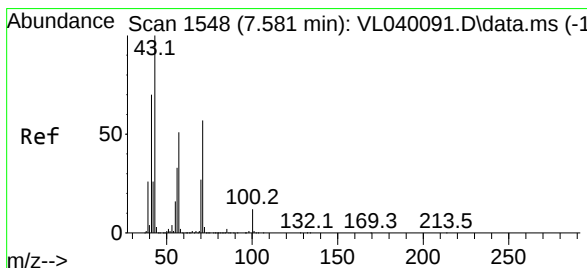
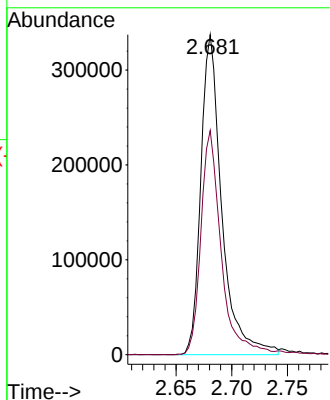
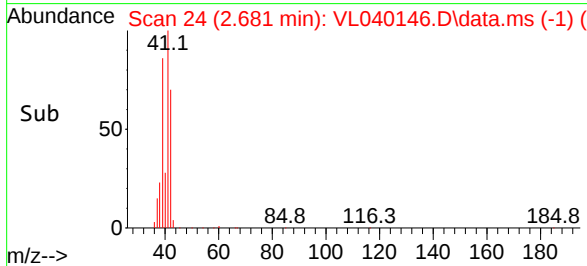
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3



Tgt Ion: 41 Resp: 441858
 Ion Ratio Lower Upper
 41 100
 42 68.9 55.6 83.4

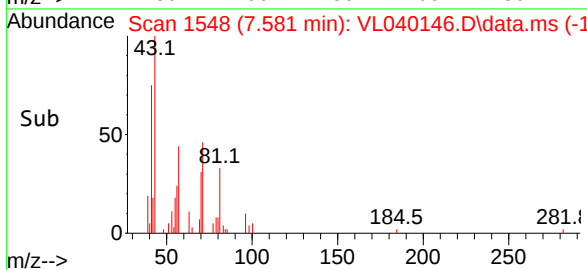
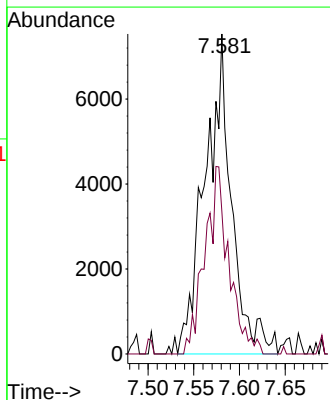
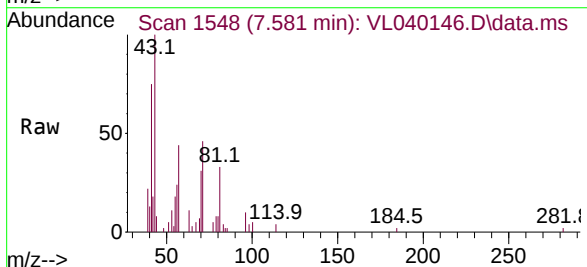
Manual Integrations
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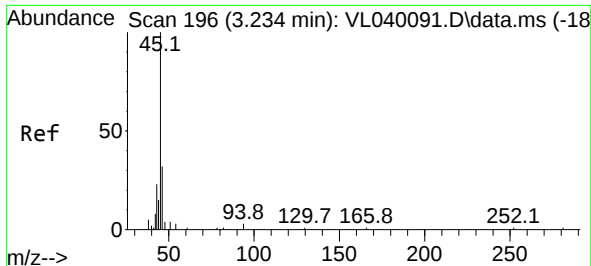
Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023



#10
 Heptane
 Concen: 0.134 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.013 min
 Lab File: VL040146.D
 Acq: 6 Feb 2023 15:04

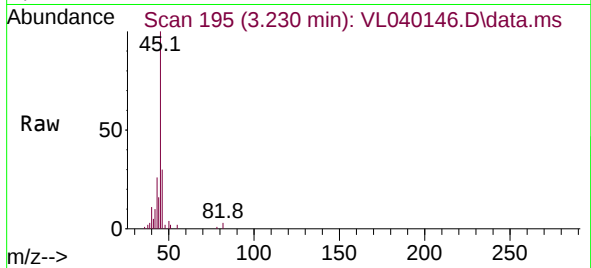
Tgt Ion: 43 Resp: 15124
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.9 61.3#





#13
Ethanol
Concen: 6.085 ppbv
RT: 3.230 min Scan# 196
Delta R.T. 0.003 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

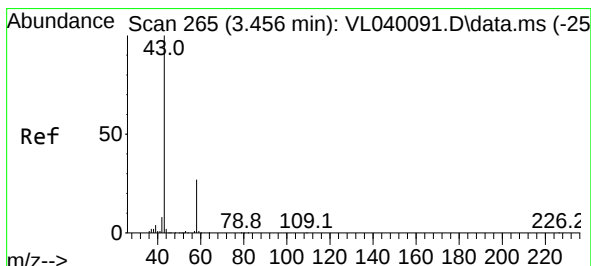
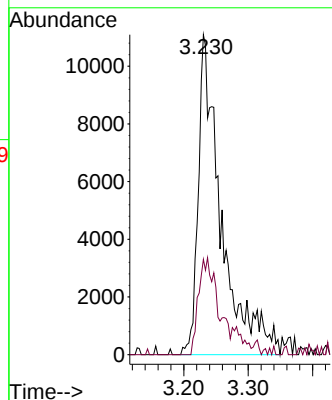
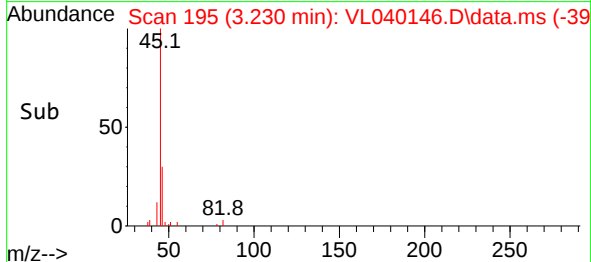
Instrument :
MSVOA_L
ClientSampleId :
SV3



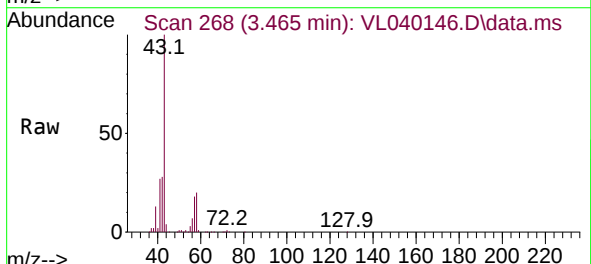
Tgt Ion: 45 Resp: 27475
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.2

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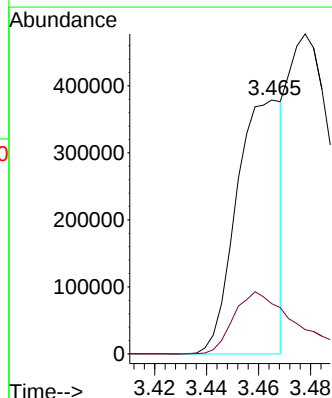
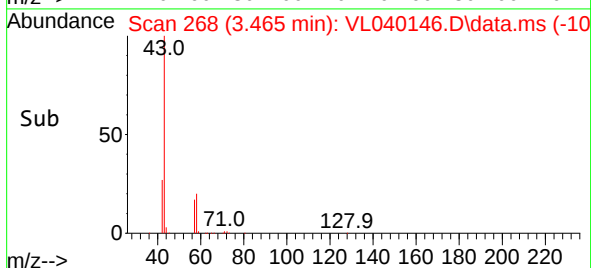
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

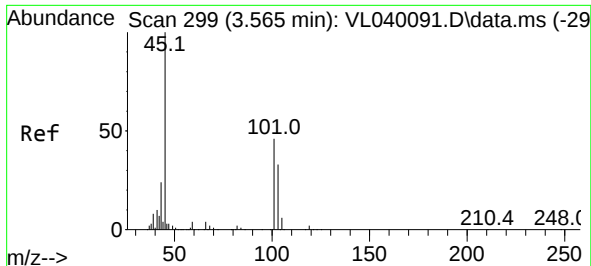


#15
Acetone
Concen: 3.860 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.016 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04



Tgt Ion: 43 Resp: 455728
Ion Ratio Lower Upper
43 100
58 36.9 21.8 32.8





#19

Isopropyl Alcohol

Concen: 6.613 ppbv

RT: 3.571 min Scan# 301

Delta R.T. 0.013 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion: 45 Resp: 38194

Ion Ratio Lower Upper

45 100

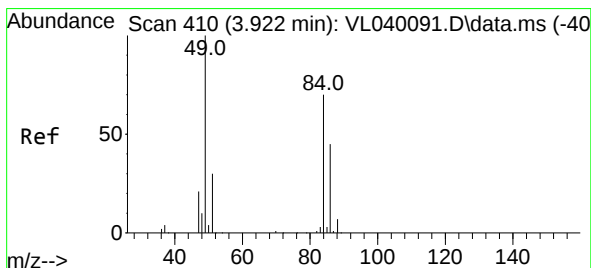
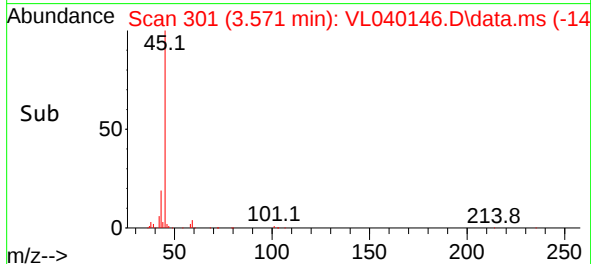
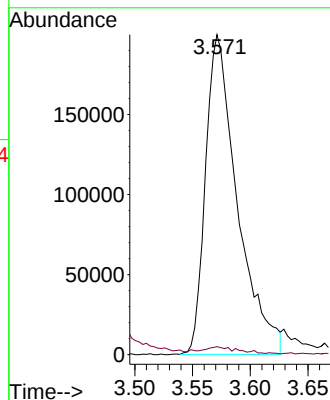
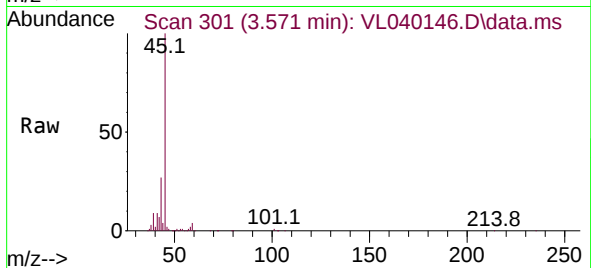
58 2.9 2.6 4.0

Manual Integrations

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#20

Methylene Chloride

Concen: 4.908 ppbv

RT: 3.922 min Scan# 410

Delta R.T. 0.006 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

Tgt Ion: 84 Resp: 255632

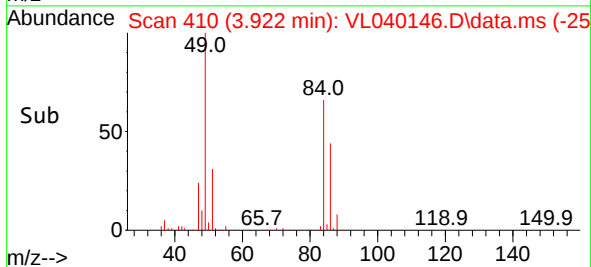
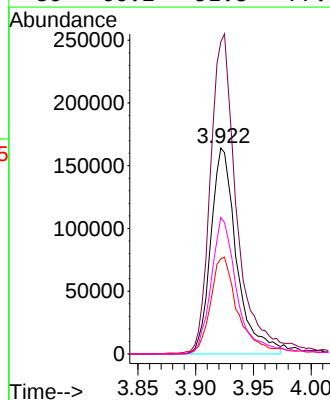
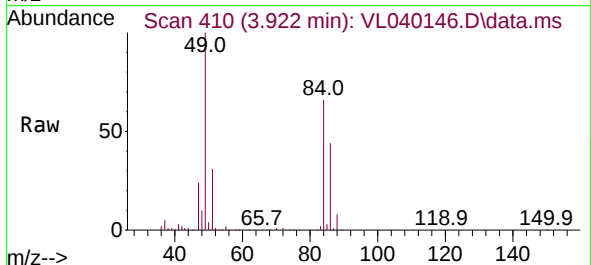
Ion Ratio Lower Upper

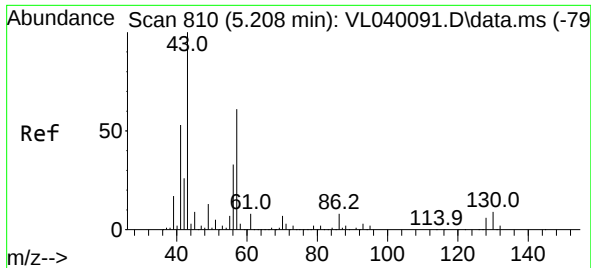
84 100

49 151.4 114.6 171.8

51 45.6 34.3 51.5

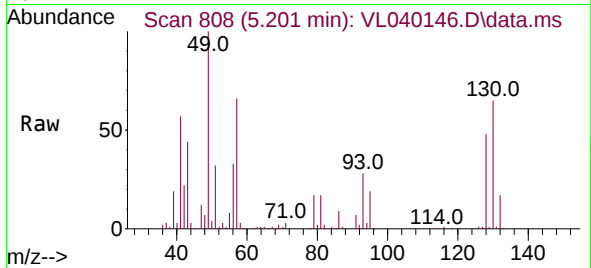
86 66.2 51.8 77.8





#26
Hexane
Concen: 2.343 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.003 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

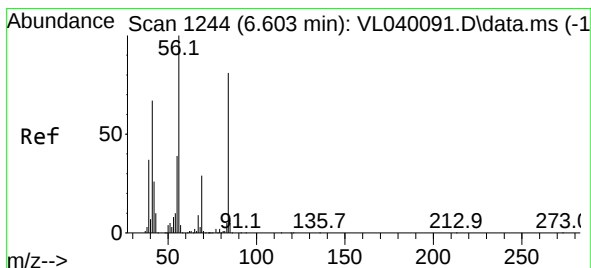
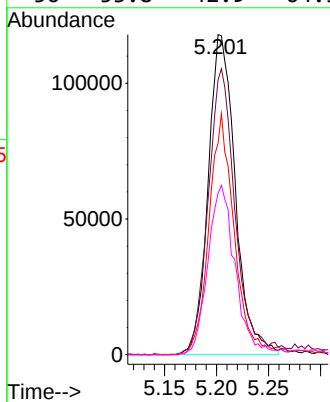
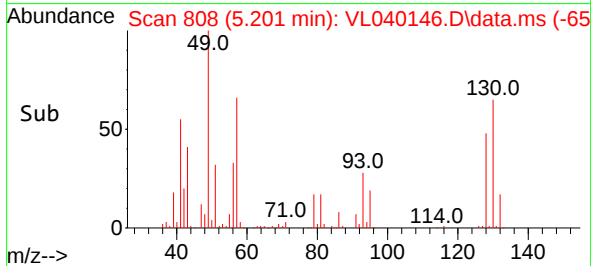
Instrument :
MSVOA_L
ClientSampleId :
SV3



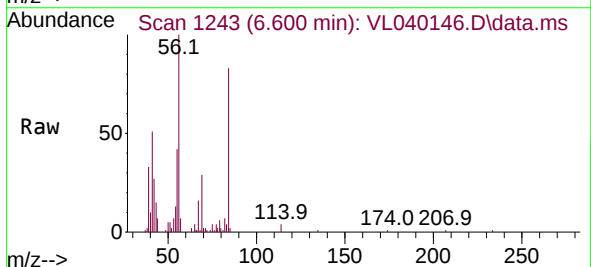
Tgt Ion: 57 Resp: 213289
Ion Ratio Lower Upper
57 100
41 90.8 72.2 108.4
43 71.9 192.1 288.1
56 53.8 42.9 64.3

Manual Integrations
APPROVED

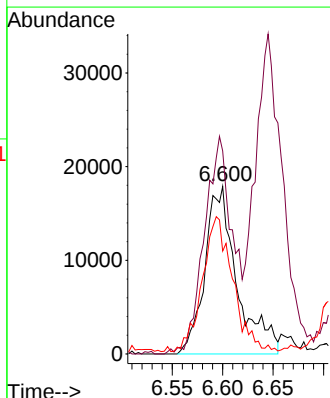
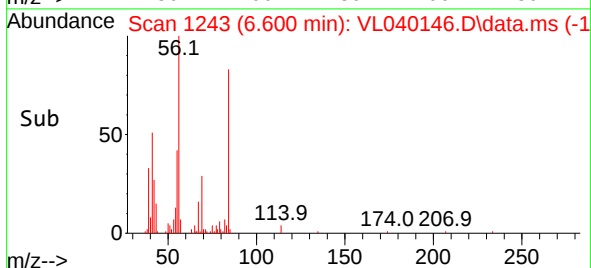
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

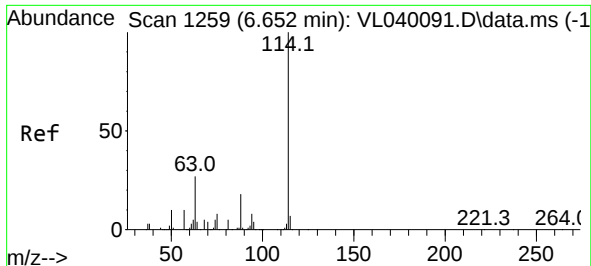


#30
Cyclohexane
Concen: 0.547 ppbv m
RT: 6.600 min Scan# 1243
Delta R.T. 0.010 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04



Tgt Ion: 84 Resp: 39572
Ion Ratio Lower Upper
84 100
56 109.2 111.5 167.3
41 80.8 71.4 107.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:114 Resp: 263061

Ion Ratio Lower Upper

114 100

63 24.5 21.8 32.8

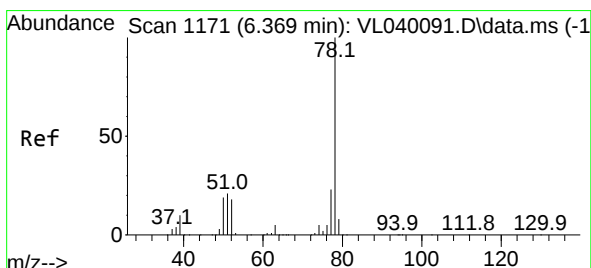
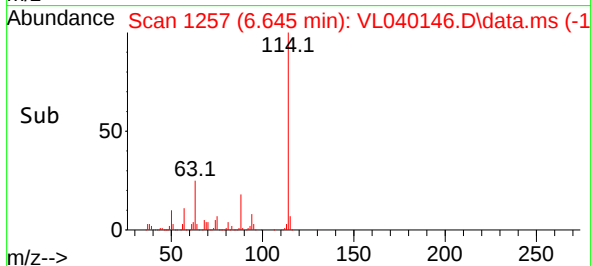
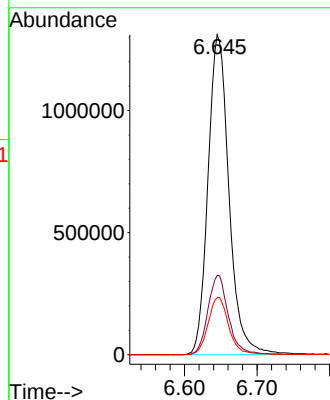
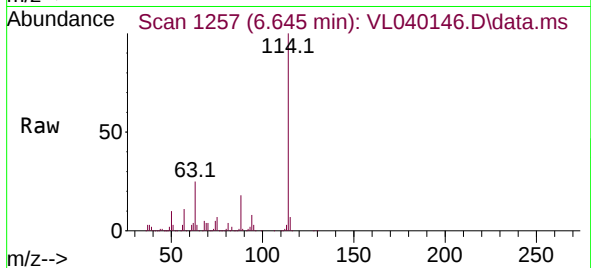
88 17.8 14.8 22.2

Manual Integrations

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#36

Benzene

Concen: 4.210 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

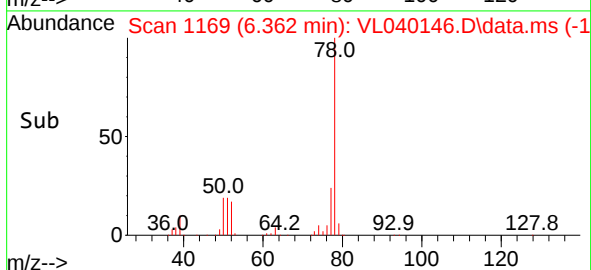
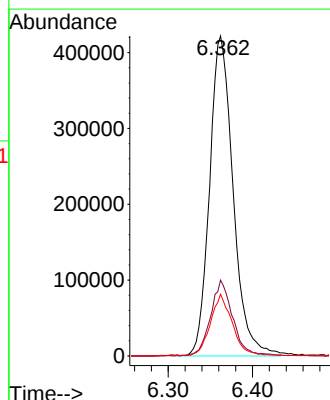
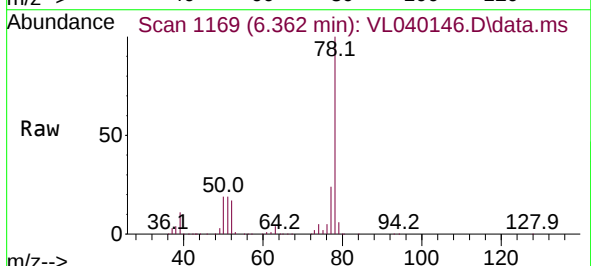
Tgt Ion: 78 Resp: 819599

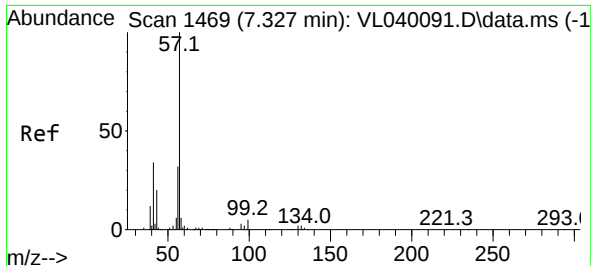
Ion Ratio Lower Upper

78 100

77 23.6 18.1 27.1

50 19.2 15.6 23.4





#44

2,2,4-Trimethylpentane

Concen: 0.417 ppbv

RT: 7.320 min Scan# 1469

Delta R.T. 0.006 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

Instrument :

MSVOA_L

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SV3

Tgt Ion: 57 Resp: 134900

Ion Ratio Lower Upper

57 100

41 43.9 27.1 40.7

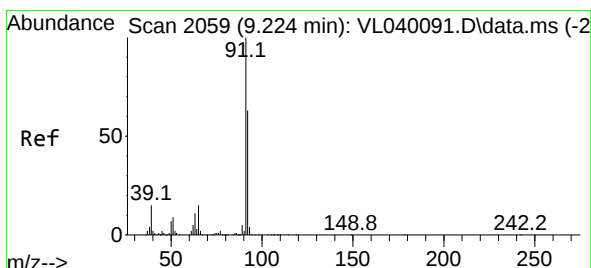
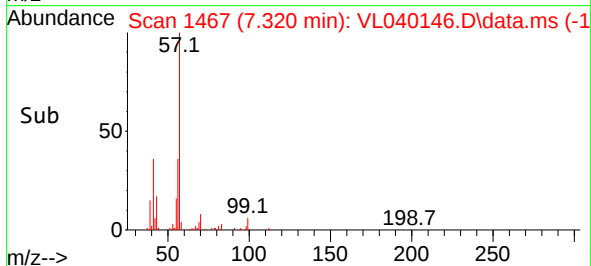
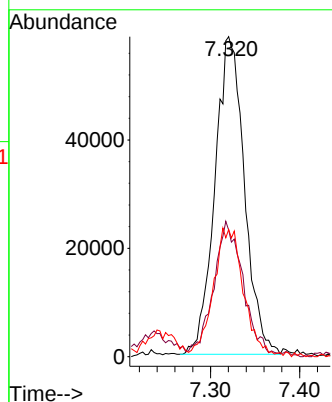
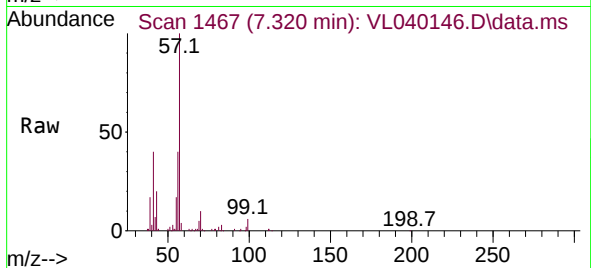
56 42.2 25.0 37.4

Manual Integrations

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Supervised By :Mahesh Dadoda 02/08/2023



#53

Toluene

Concen: 4.014 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VL040146.D

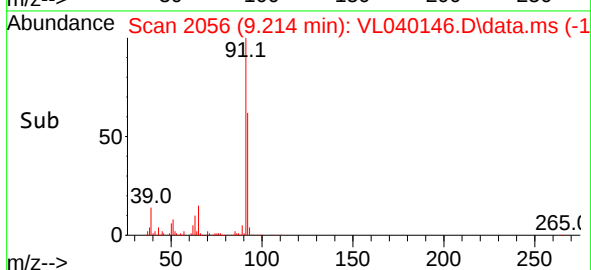
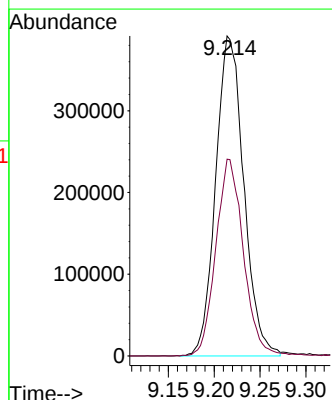
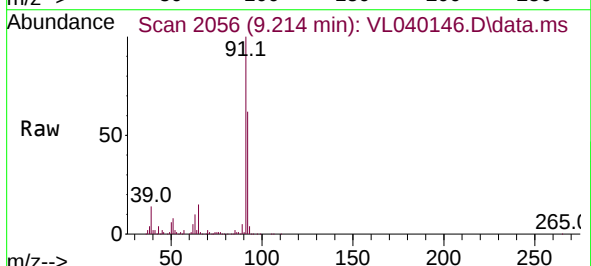
Acq: 6 Feb 2023 15:04

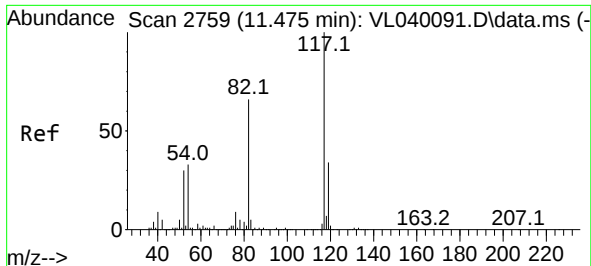
Tgt Ion: 91 Resp: 833479

Ion Ratio Lower Upper

91 100

92 60.9 48.3 72.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.465 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040146.D

Acq: 6 Feb 2023 15:04

Instrument :

MSVOA_L

ClientSampleId :

SV3

Tgt Ion:117 Resp: 225714

Ion Ratio Lower Upper

117 100

82 66.0 54.4 81.6

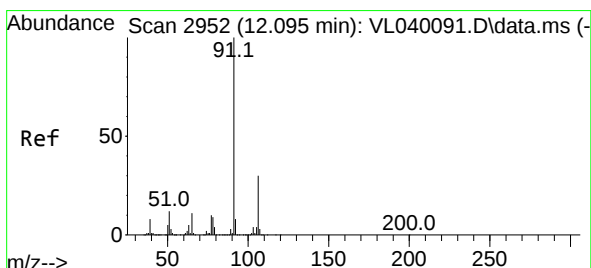
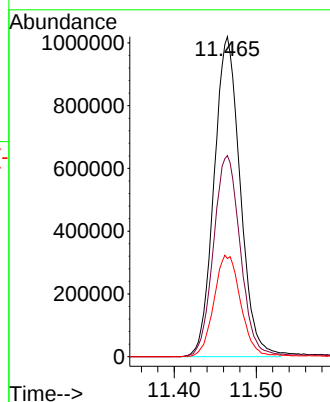
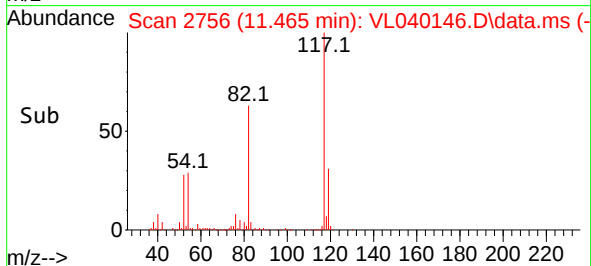
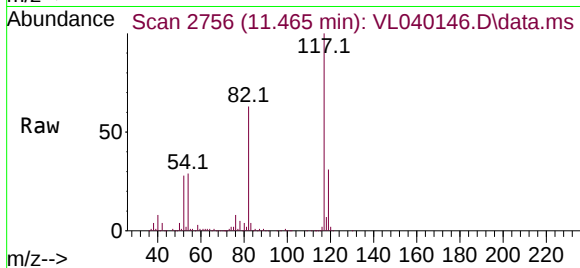
119 33.1 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#58

Ethyl Benzene

Concen: 0.463 ppbv

RT: 12.089 min Scan# 2950

Delta R.T. 0.006 min

Lab File: VL040146.D

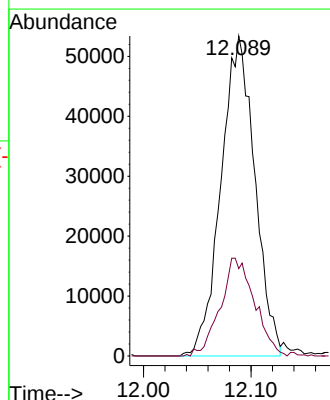
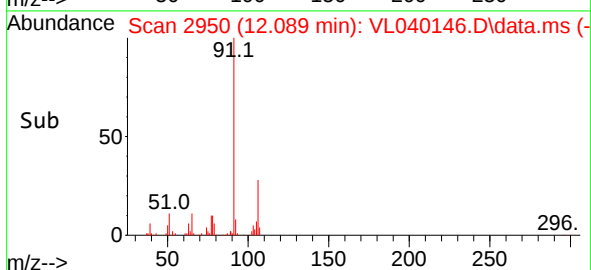
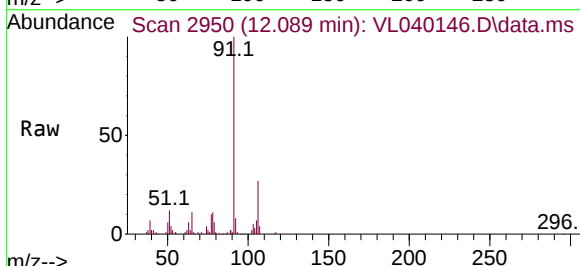
Acq: 6 Feb 2023 15:04

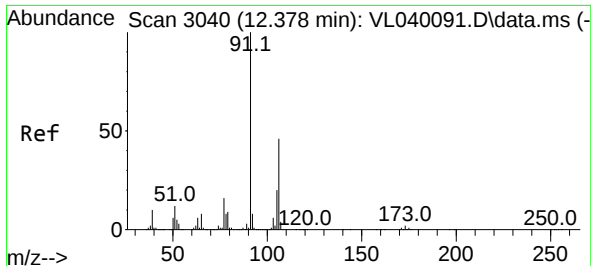
Tgt Ion: 91 Resp: 116675

Ion Ratio Lower Upper

91 100

106 27.3 23.7 35.5





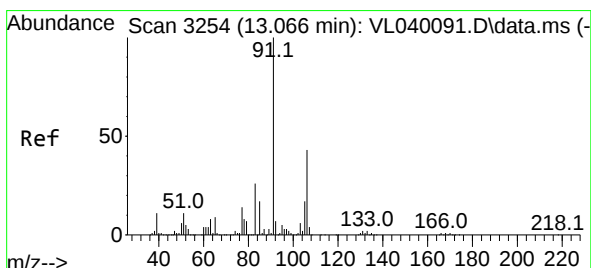
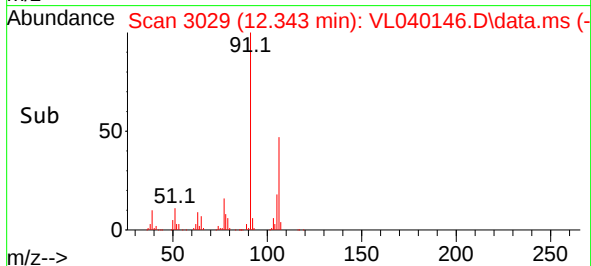
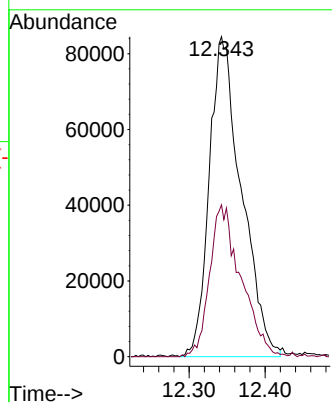
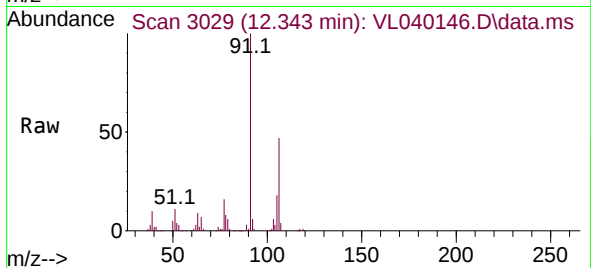
#59
m/p-Xylene
Concen: 1.096 ppbv
RT: 12.343 min Scan# 3040
Delta R.T. -0.023 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

Instrument :
MSVOA_L
ClientSampleId :
SV3

Tgt Ion: 91 Resp: 248159
Ion Ratio Lower Upper
91 100
106 46.4 34.2 51.4

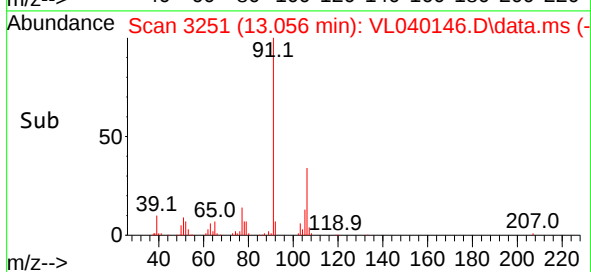
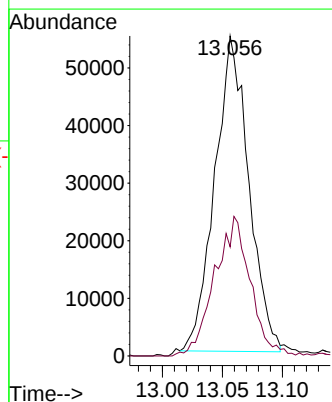
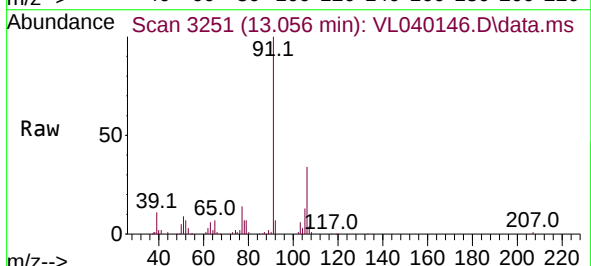
Manual Integrations
APPROVED

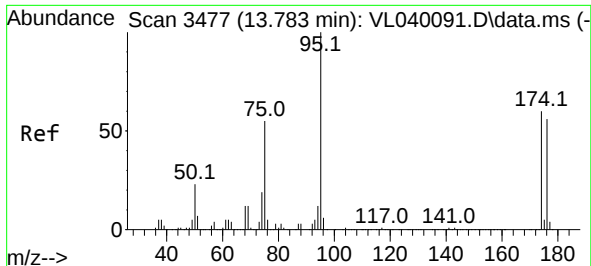
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#60
o-Xylene
Concen: 0.502 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

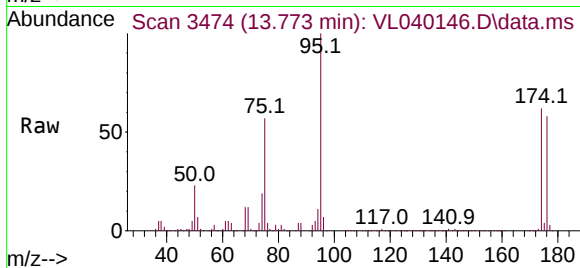
Tgt Ion: 91 Resp: 107833
Ion Ratio Lower Upper
91 100
106 46.5 21.6 64.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.265 ppbv
RT: 13.773 min Scan# 3477
Delta R.T. 0.003 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04

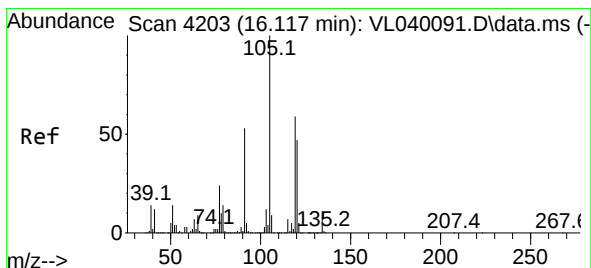
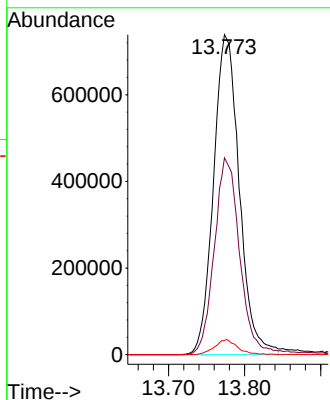
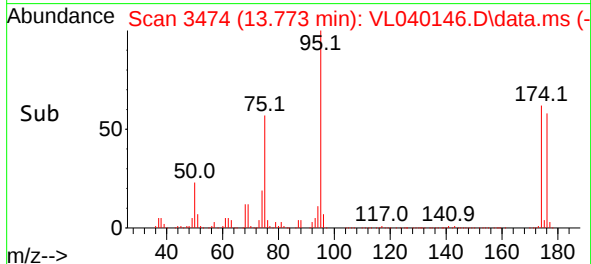
Instrument :
MSVOA_L
ClientSampleId :
SV3



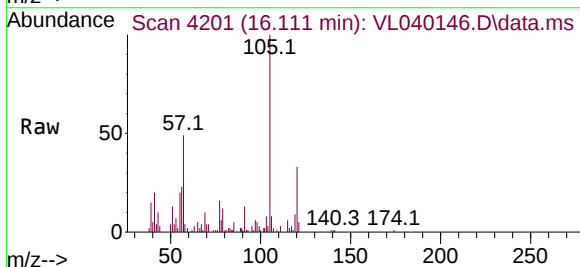
Tgt Ion: 95 Resp: 173806
Ion Ratio Lower Upper
95 100
174 62.2 47.7 71.5
175 4.3 3.4 5.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#74
1,2,4-Trimethylbenzene
Concen: 0.250 ppbv m
RT: 16.111 min Scan# 4201
Delta R.T. 0.010 min
Lab File: VL040146.D
Acq: 6 Feb 2023 15:04



Tgt Ion:105 Resp: 59392
Ion Ratio Lower Upper
105 100
120 33.3 38.0 57.0#
91 13.2 42.1 63.1#
77 16.4 19.3 28.9#

