

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039191.D
 Acq On : 6 Jun 2022 19:19
 Operator : SY/AP
 Sample : N3110-08DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 03:19:30 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 07 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1173433	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3086334	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	2695733	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2170917	9.741	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%
Target Compounds						
						Qvalue
10) Heptane	8.118	43	19853m	0.131	ppbv	
13) Ethanol	3.603	45	28752m	8.098	ppbv	
15) Acetone	3.851	43	89138m	0.729	ppbv	
17) tert-Butyl alcohol	4.304	59	12057m	0.127	ppbv	
19) Isopropyl Alcohol	3.973	45	12917m	0.225	ppbv	
20) Methylene Chloride	4.343	84	48597m	0.943	ppbv	
26) Hexane	5.684	57	66048	0.546	ppbv #	43
27) Carbon Disulfide	4.545	76	30734m	0.245	ppbv	
34) 2-Butanone	5.259	43	18570m	0.111	ppbv	
52) Tetrachloroethene	11.214	164	289491	2.959	ppbv	98
53) Toluene	9.799	91	202768m	0.703	ppbv	
58) Ethyl Benzene	12.703	91	64085m	0.173	ppbv	
59) m/p-Xylene	12.957	91	239764m	0.733	ppbv	
60) o-Xylene	13.683	91	87734m	0.286	ppbv	
72) 4-Ethyltoluene	15.825	105	59793m	0.166	ppbv	
73) 1,3,5-Trimethylbenzene	15.989	105	43050	0.133	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.754	105	180089	0.497	ppbv #	66

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

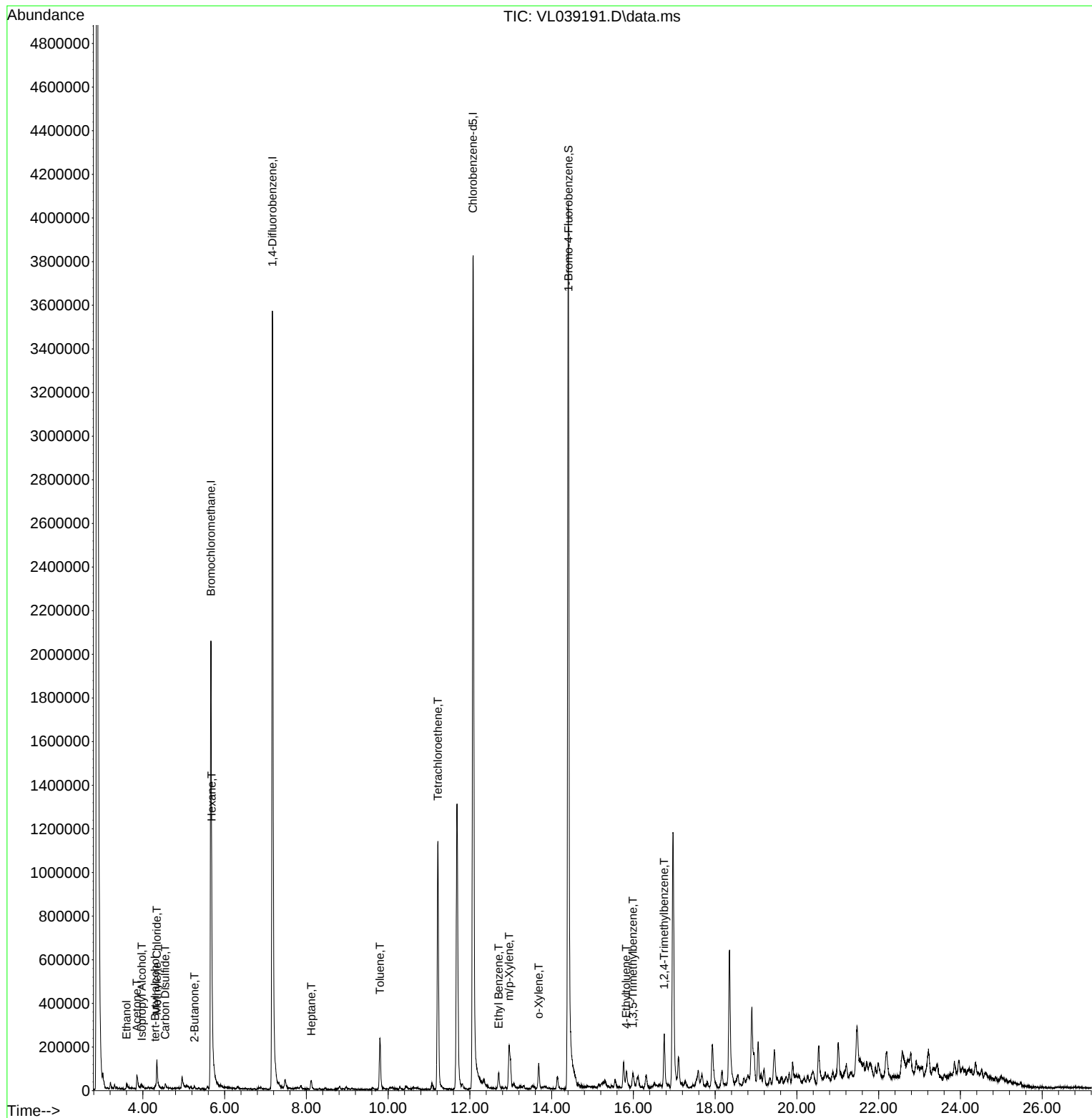
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039191.D
Acq On : 6 Jun 2022 19:19
Operator : SY/AP
Sample : N3110-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

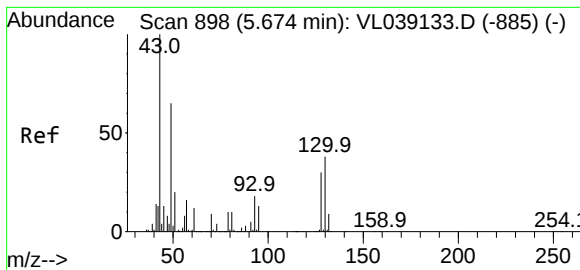
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL

Quant Time: Jun 07 03:19:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

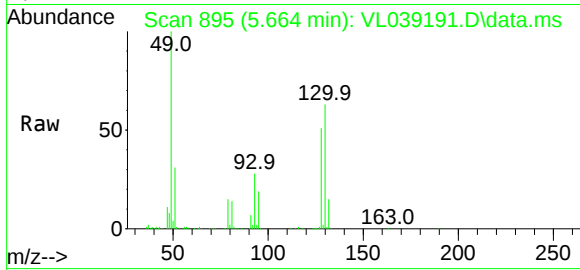
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

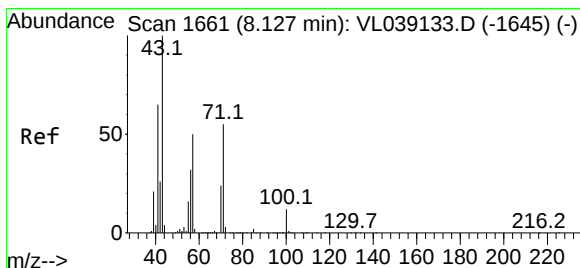
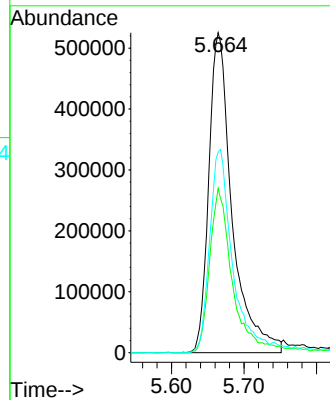
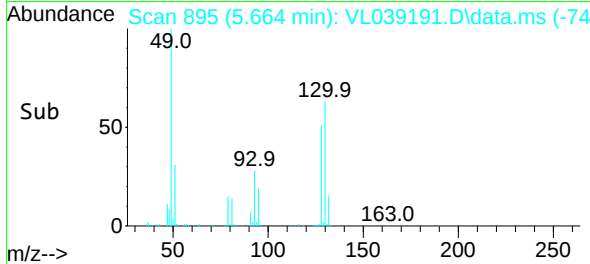
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



Tgt Ion: 49 Resp: 117343
Ion Ratio Lower Upper
49 100
128 52.1 24.7 74.1
130 66.0 31.4 94.0

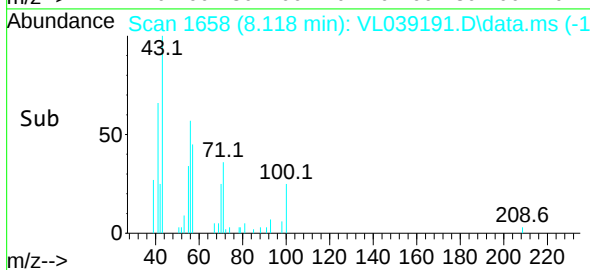
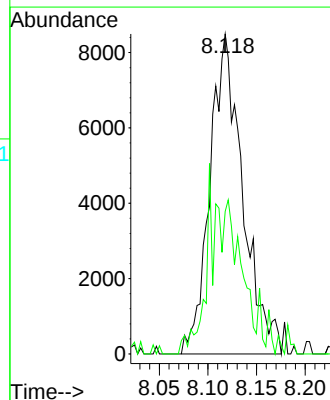
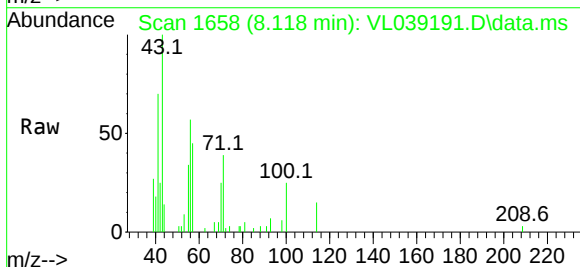
Manual Integrations
APPROVED

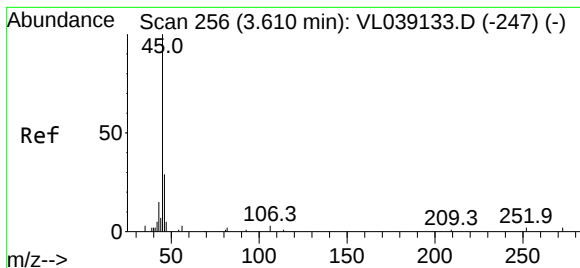
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#10
Heptane
Concen: 0.131 ppbv m
RT: 8.118 min Scan# 1658
Delta R.T. -0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

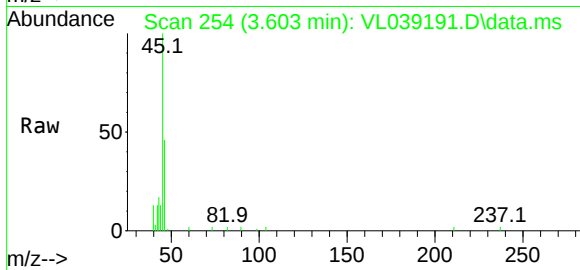
Tgt Ion: 43 Resp: 19853
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#





#13
Ethanol
Concen: 8.098 ppbv m
RT: 3.603 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

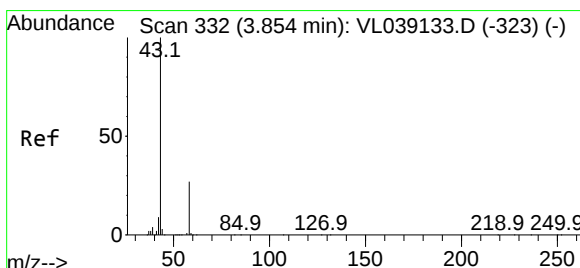
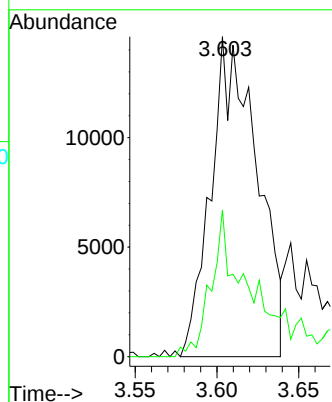
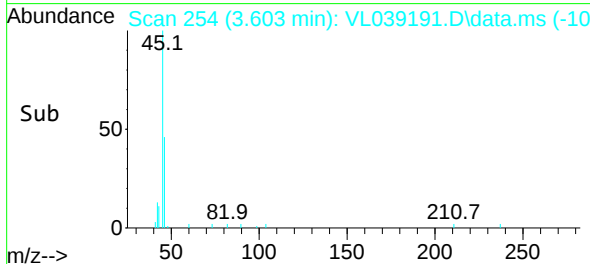
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



Tgt Ion: 45 Resp: 2875
Ion Ratio Lower Upper
45 100
46 44.9 0.0 0.0

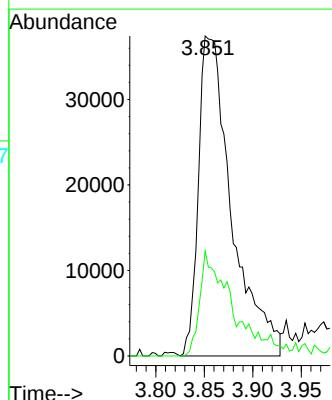
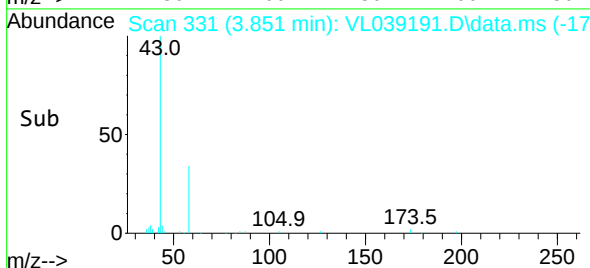
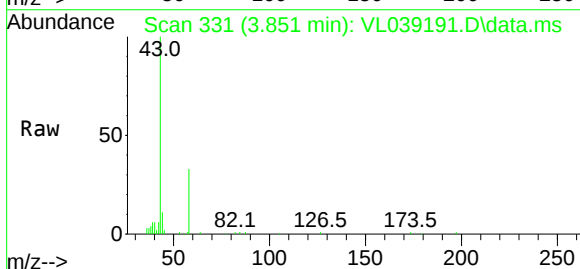
Manual Integrations
APPROVED

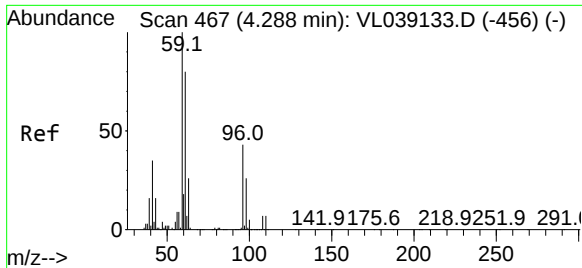
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#15
Acetone
Concen: 0.729 ppbv m
RT: 3.851 min Scan# 331
Delta R.T. -0.003 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

Tgt Ion: 43 Resp: 89138
Ion Ratio Lower Upper
43 100
58 33.1 22.5 33.7





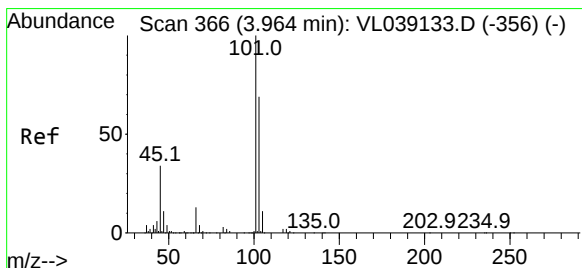
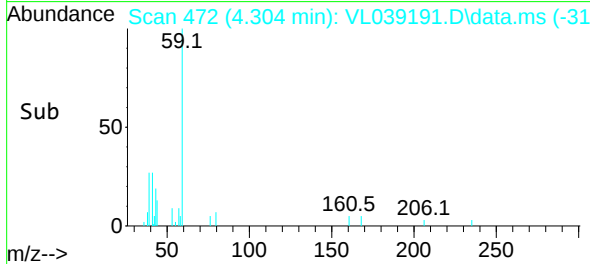
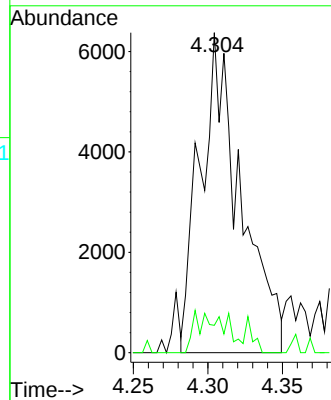
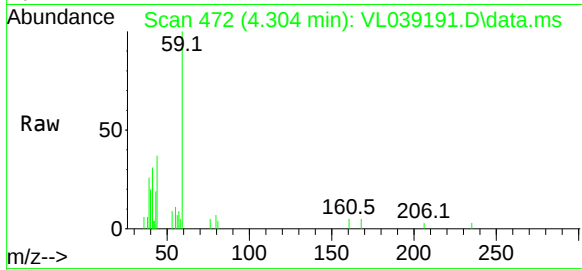
#17
tert-Butyl alcohol
Concen: 0.127 ppbv m
RT: 4.304 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

Instrument :
MSVOA_L
ClientSampleId :
SG-7DL

Tgt Ion: 59 Resp: 1205
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

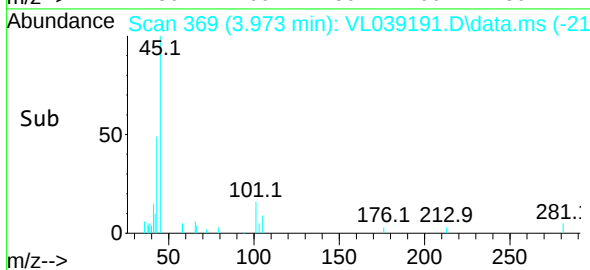
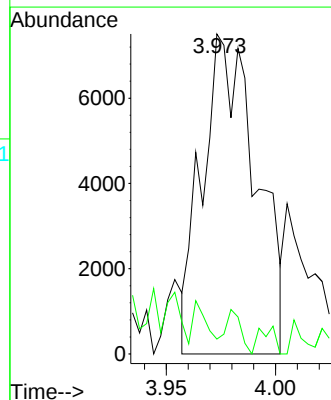
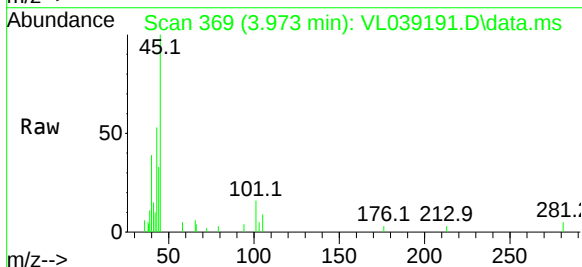
Manual Integrations
APPROVED

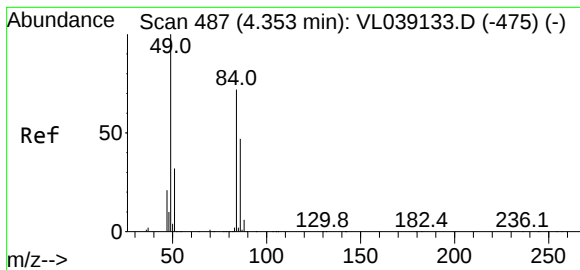
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#19
Isopropyl Alcohol
Concen: 0.225 ppbv m
RT: 3.973 min Scan# 369
Delta R.T. 0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

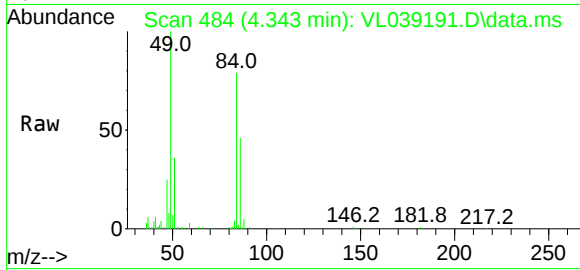
Tgt Ion: 45 Resp: 12917
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#20
Methylene Chloride
Concen: 0.943 ppbv m
RT: 4.343 min Scan# 487
Delta R.T. -0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

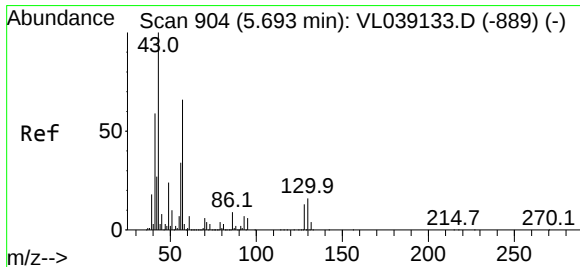
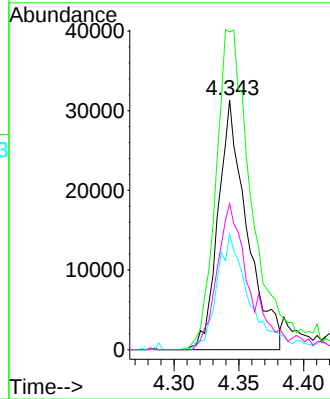
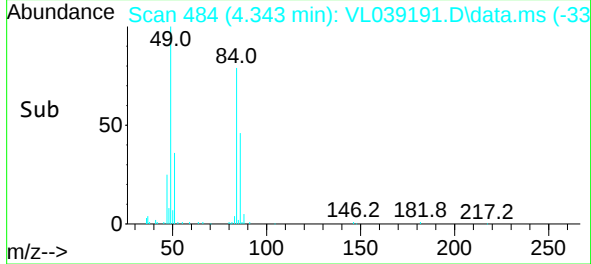
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



Tgt Ion: 84 Resp: 48597
Ion Ratio Lower Upper
84 100
49 127.1 111.1 166.7
51 46.2 35.3 52.9
86 58.4 51.9 77.9

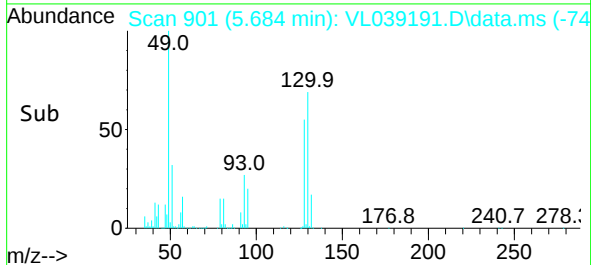
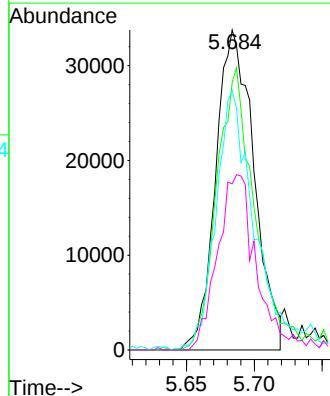
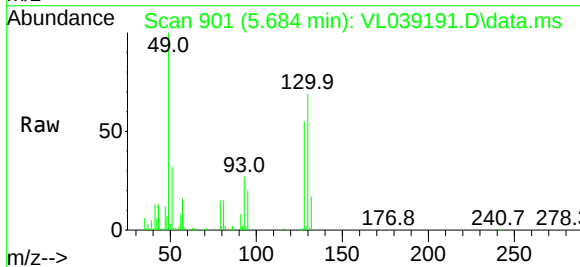
Manual Integrations
APPROVED

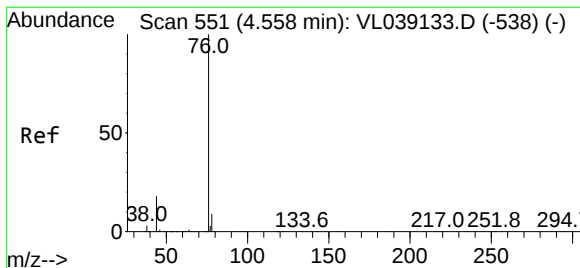
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#26
Hexane
Concen: 0.546 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

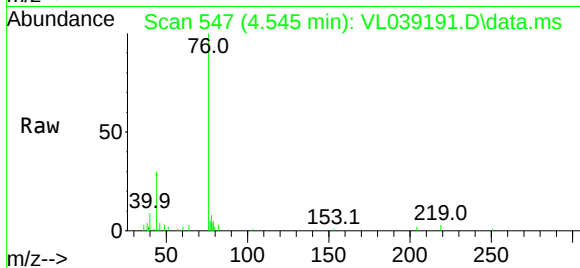
Tgt Ion: 57 Resp: 66048
Ion Ratio Lower Upper
57 100
41 91.5 72.4 108.6
43 84.9 187.0 280.6#
56 58.5 41.8 62.6





#27
Carbon Disulfide
Concen: 0.245 ppbv m
RT: 4.545 min Scan# 54
Delta R.T. -0.013 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

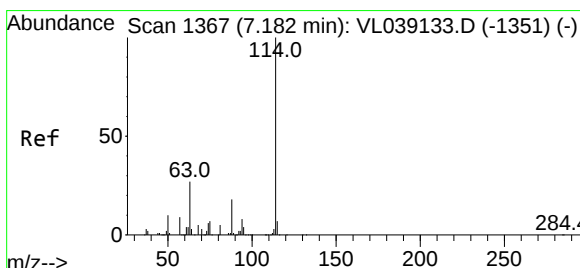
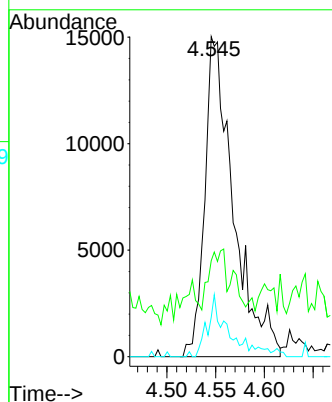
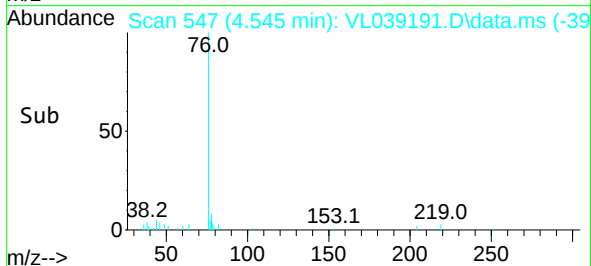
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



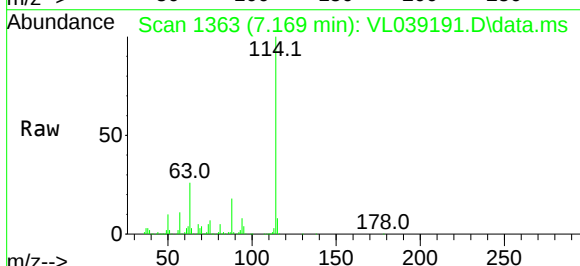
Tgt Ion: 76 Resp: 30734
Ion Ratio Lower Upper
76 100
44 0.0 14.4 21.6
78 14.8 7.7 11.5

Manual Integrations
APPROVED

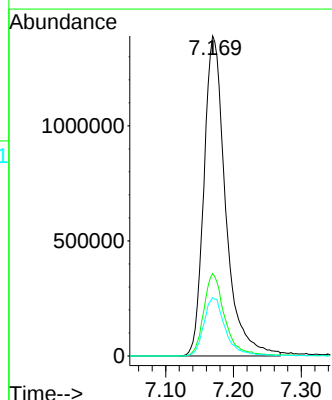
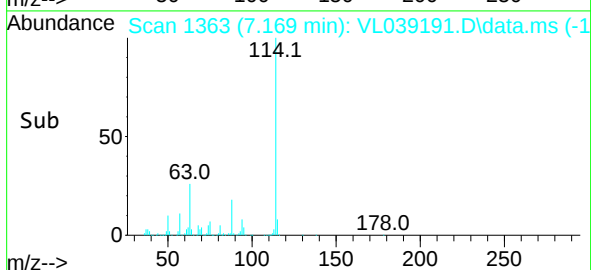
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

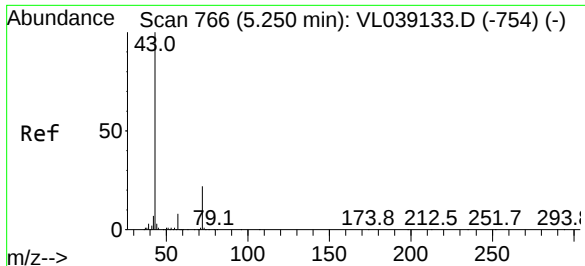


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.013 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19



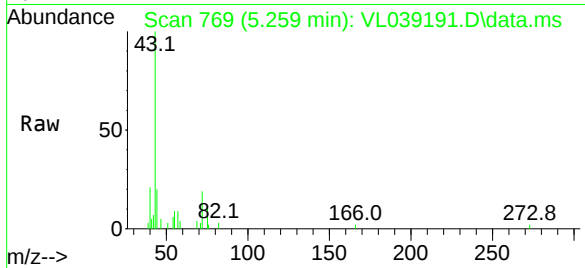
Tgt Ion:114 Resp: 3086334
Ion Ratio Lower Upper
114 100
63 25.3 21.7 32.5
88 18.3 14.8 22.2





#34
2-Butanone
Concen: 0.111 ppbv m
RT: 5.259 min Scan# 769
Delta R.T. 0.010 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

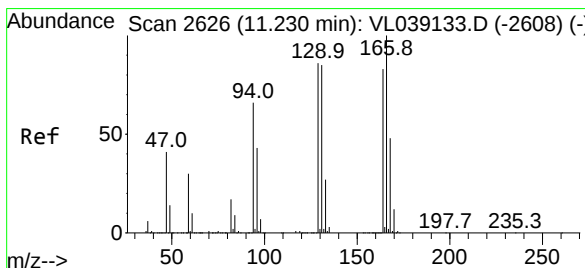
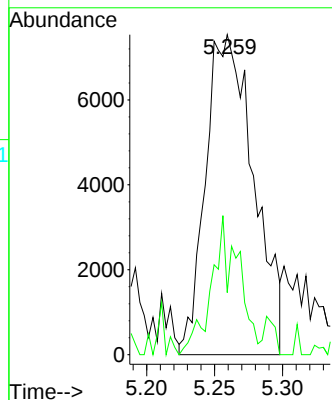
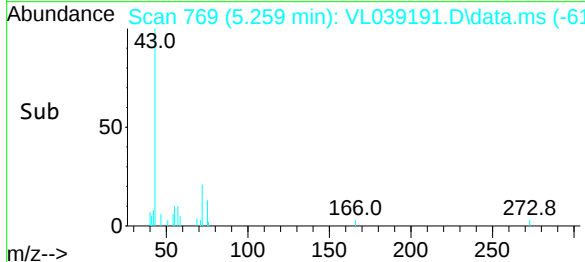
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



Tgt Ion: 43 Resp: 18570
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2

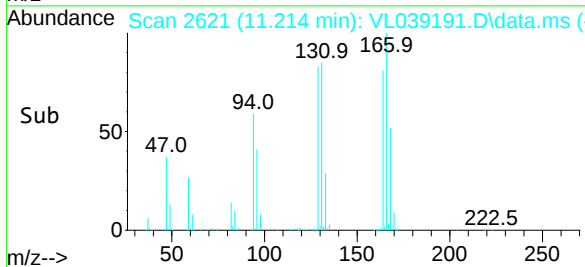
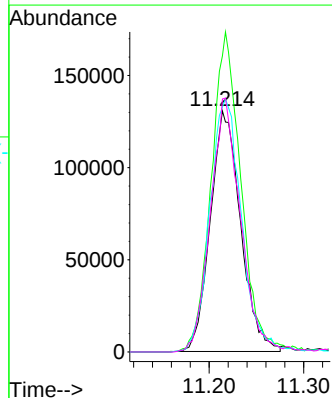
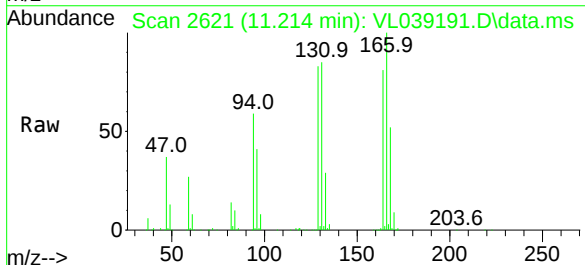
Manual Integrations
APPROVED

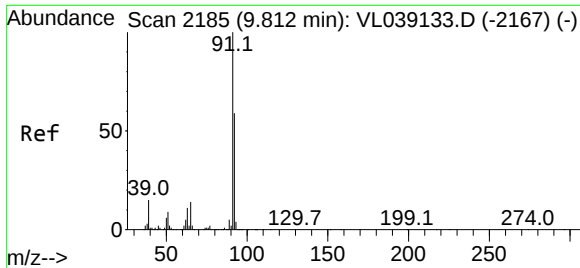
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#52
Tetrachloroethene
Concen: 2.959 ppbv
RT: 11.214 min Scan# 2621
Delta R.T. -0.016 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

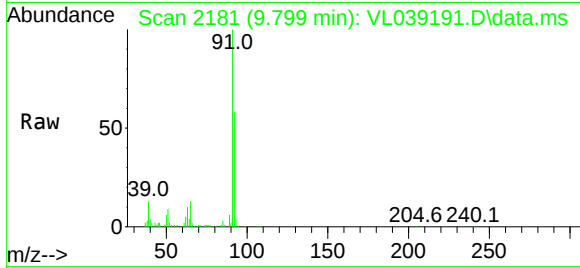
Tgt Ion:164 Resp: 289491
Ion Ratio Lower Upper
164 100
166 122.4 96.3 144.5
129 101.4 82.5 123.7
131 104.6 82.1 123.1





#53
Toluene
Concen: 0.703 ppbv m
RT: 9.799 min Scan# 2185
Delta R.T. -0.013 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

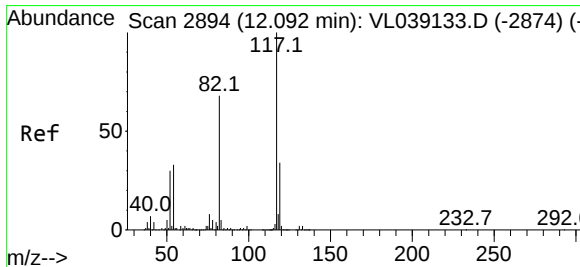
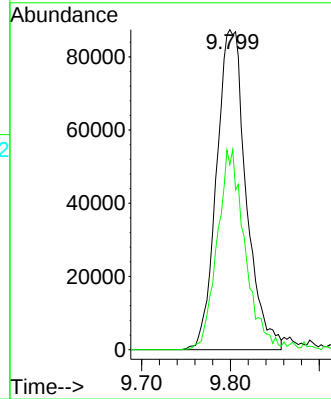
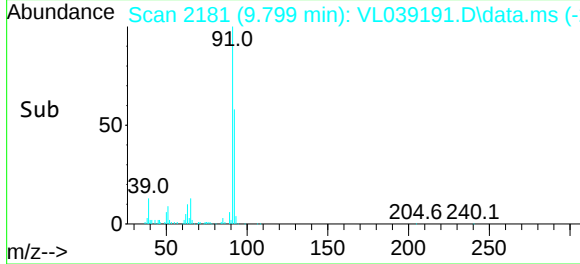
Instrument :
MSVOA_L
ClientSampleId :
SG-7DL



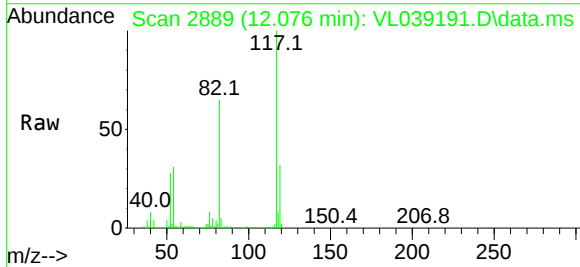
Tgt Ion: 91 Resp: 202768
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1

Manual Integrations
APPROVED

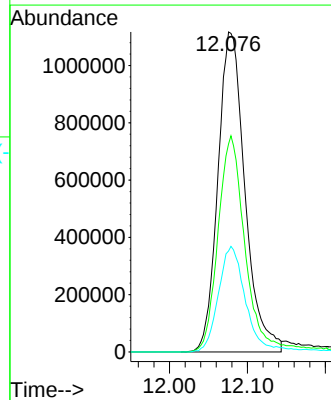
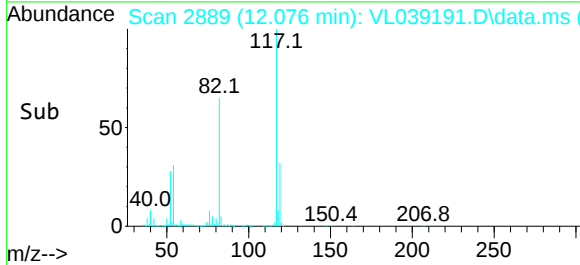
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

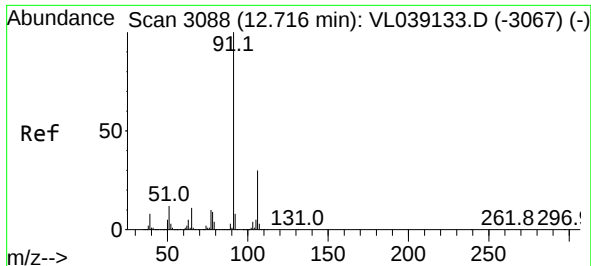


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19



Tgt Ion:117 Resp: 2695733
Ion Ratio Lower Upper
117 100
82 69.0 55.1 82.7
119 34.3 24.7 37.1





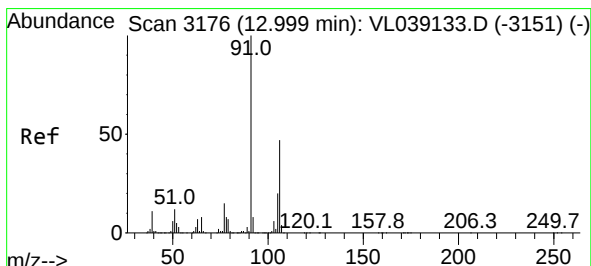
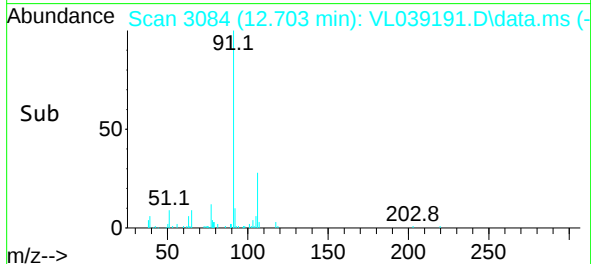
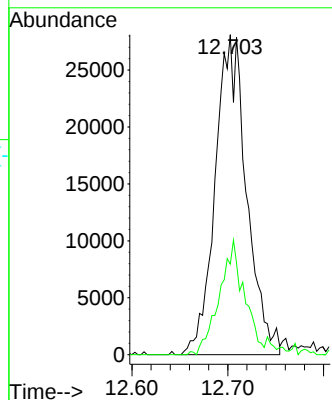
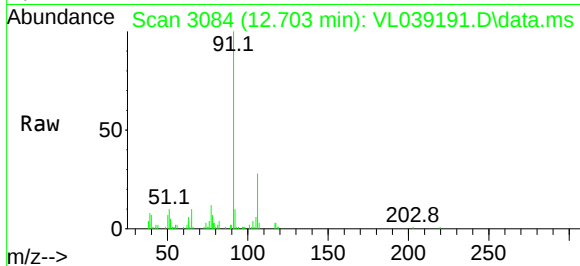
#58
Ethyl Benzene
Concen: 0.173 ppbv m
RT: 12.703 min Scan# 3088
Delta R.T. -0.013 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

Instrument :
MSVOA_L
ClientSampleId :
SG-7DL

Tgt Ion: 91 Resp: 6408
Ion Ratio Lower Upper
91 100
106 28.3 24.2 36.4

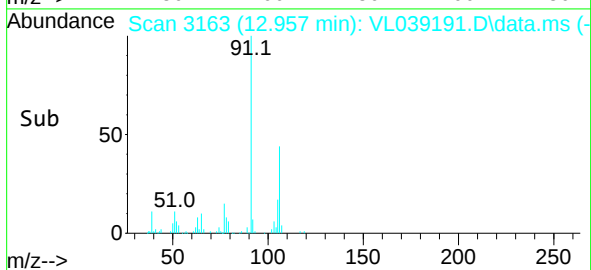
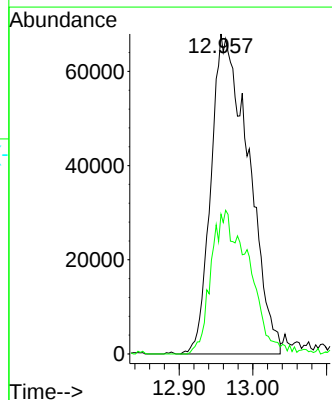
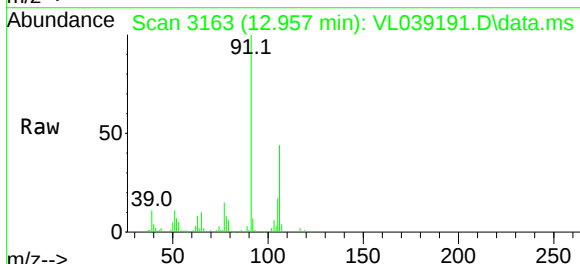
Manual Integrations
APPROVED

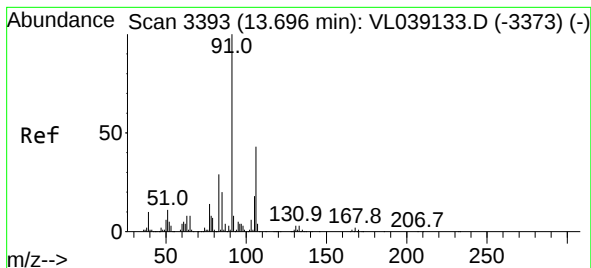
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#59
m/p-Xylene
Concen: 0.733 ppbv m
RT: 12.957 min Scan# 3163
Delta R.T. -0.042 min
Lab File: VL039191.D
Acq: 6 Jun 2022 19:19

Tgt Ion: 91 Resp: 239764
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





#60

o-Xylene

Concen: 0.286 ppbv m

RT: 13.683 min Scan# 31

Delta R.T. -0.013 min

Lab File: VL039191.D

Acq: 6 Jun 2022 19:19

Instrument :

MSVOA_L

ClientSampleId :

SG-7DL

Tgt Ion: 91 Resp: 87734

Ion Ratio Lower Upper

91 100

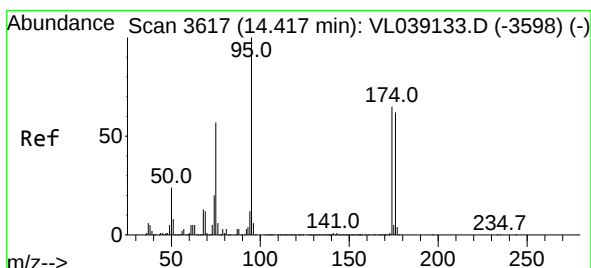
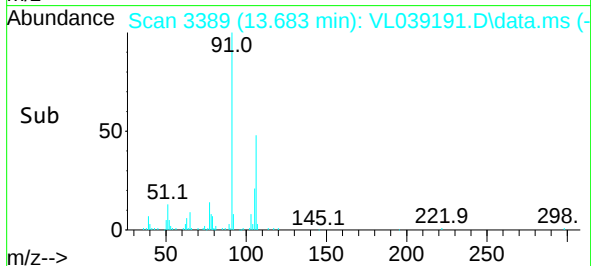
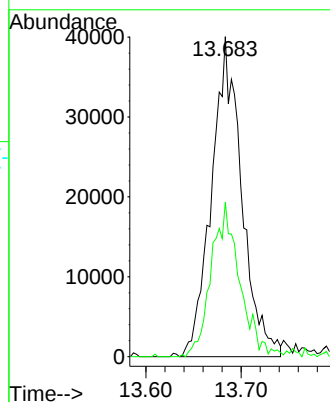
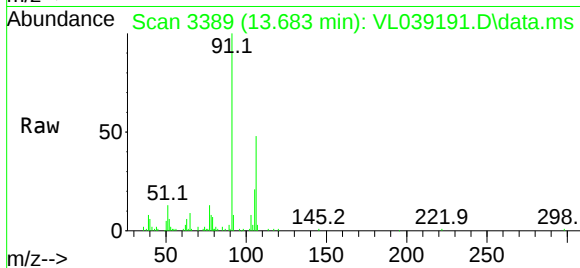
106 44.7 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.741 ppbv

RT: 14.410 min Scan# 3615

Delta R.T. -0.007 min

Lab File: VL039191.D

Acq: 6 Jun 2022 19:19

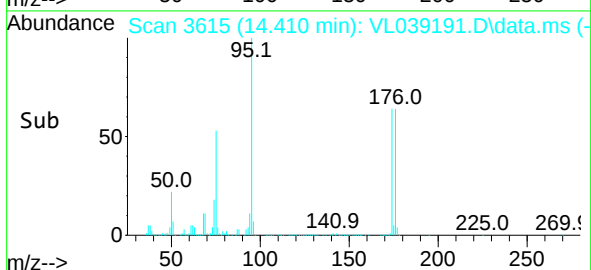
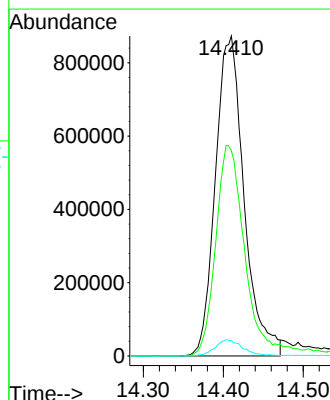
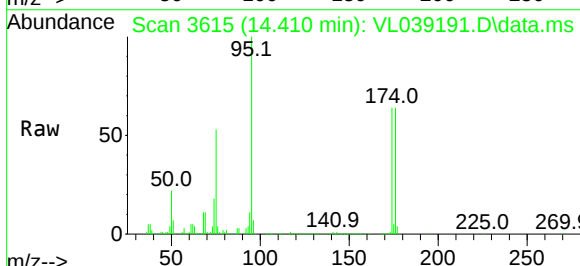
Tgt Ion: 95 Resp: 2170917

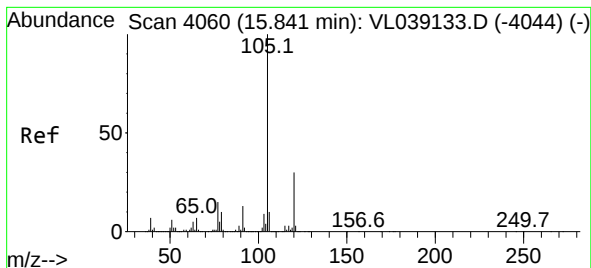
Ion Ratio Lower Upper

95 100

174 70.4 53.8 80.8

175 4.9 4.1 6.1





#72

4-Ethyltoluene

Concen: 0.166 ppbv m

RT: 15.825 min Scan# 4055

Delta R.T. -0.016 min

Lab File: VL039191.D

Acq: 6 Jun 2022 19:19

Instrument :

MSVOA_L

ClientSampleId :

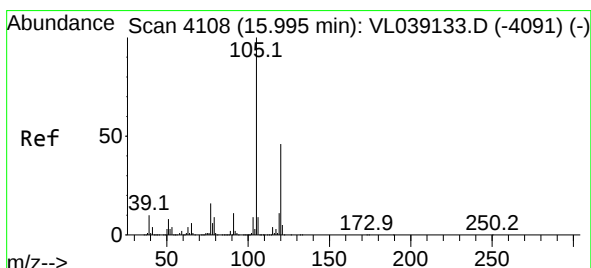
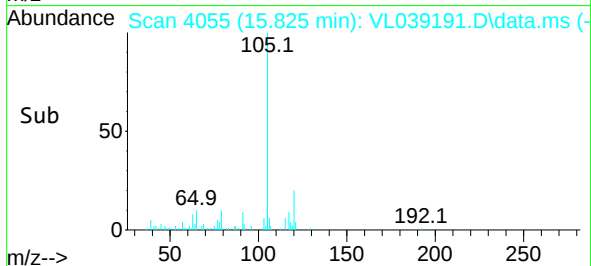
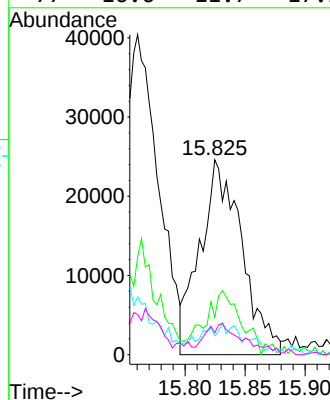
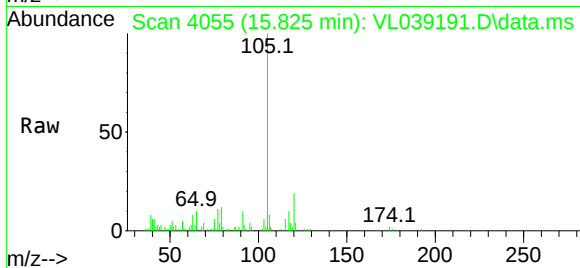
SG-7DL

Tgt Ion:	105	Resp:	5979
Ion Ratio	Lower	Upper	
105	100		
120	28.5	23.9	35.9
91	18.2	10.6	16.0
77	16.6	11.7	17.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.133 ppbv

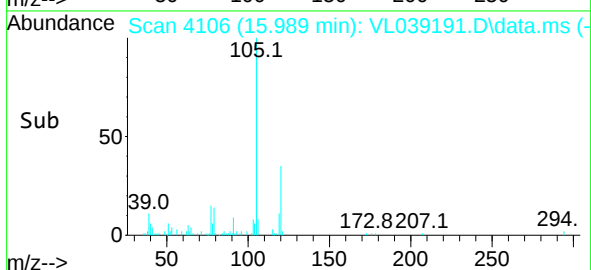
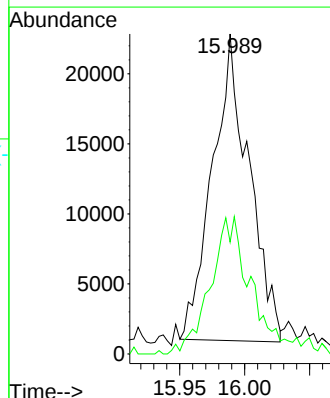
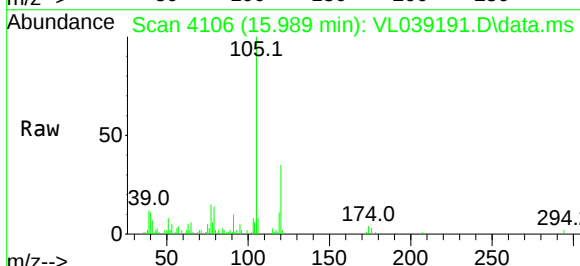
RT: 15.989 min Scan# 4106

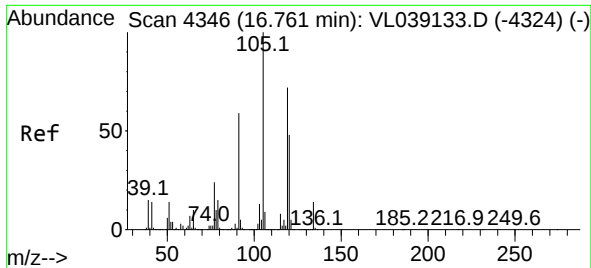
Delta R.T. -0.007 min

Lab File: VL039191.D

Acq: 6 Jun 2022 19:19

Tgt Ion:	105	Resp:	43050
Ion Ratio	Lower	Upper	
105	100		
120	35.7	36.7	55.1#





#74

1,2,4-Trimethylbenzene

Concen: 0.497 ppbv

RT: 16.754 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL039191.D

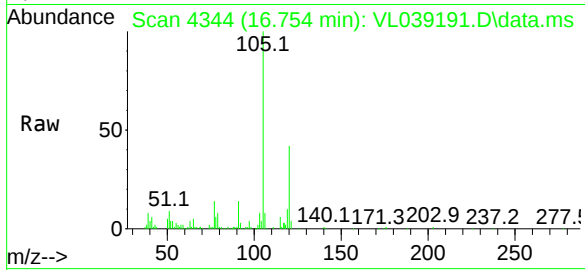
Acq: 6 Jun 2022 19:19

Instrument :

MSVOA_L

ClientSampleId :

SG-7DL



Tgt Ion:	105	Resp:	180089
Ion	Ratio	Lower	Upper
105	100		
120	42.4	38.1	57.1
91	13.8	47.4	71.0
77	12.9	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

