

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039188.D
 Acq On : 6 Jun 2022 16:11
 Operator : SY/AP
 Sample : N3110-07 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 16:41:56 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 06 16:41:56 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	1232967	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3365582	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	3018039	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2401495	9.625	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	23022	0.106	ppbv	93
4) Chloromethane	3.144	50	9188m	0.114	ppbv	
9) Propene	3.025	41	12263m	0.179	ppbv	
10) Heptane	8.118	43	33308m	0.209	ppbv	
13) Ethanol	3.607	45	26600m	7.130	ppbv	
15) Acetone	3.851	43	660616	5.144	ppbv	90
17) tert-Butyl alcohol	4.301	59	38401m	0.385	ppbv	
20) Methylene Chloride	4.346	84	54649	1.010	ppbv	86
26) Hexane	5.690	57	107451	0.845	ppbv #	38
29) Chloroform	5.748	83	38588m	0.180	ppbv	
34) 2-Butanone	5.253	43	168825	0.923	ppbv	94
51) 2-Hexanone	10.137	43	63388m	0.298	ppbv	
52) Tetrachloroethene	11.217	164	119046	1.116	ppbv	95
53) Toluene	9.799	91	213284	0.678	ppbv	98
58) Ethyl Benzene	12.703	91	155246	0.373	ppbv	97
59) m/p-Xylene	12.960	91	569521	1.556	ppbv	92
60) o-Xylene	13.680	91	269183	0.783	ppbv	99
61) Styrene	13.523	104	17905	0.097	ppbv	93
64) n-propylbenzene	15.555	120	23223m	0.185	ppbv	
70) n-Butylbenzene	18.545	91	71423m	0.129	ppbv	
72) 4-Ethyltoluene	15.828	105	141930	0.352	ppbv	95
73) 1,3,5-Trimethylbenzene	15.986	105	133626	0.367	ppbv	87
74) 1,2,4-Trimethylbenzene	16.751	105	562251	1.386	ppbv #	65
79) Naphthalene	22.181	128	42753m	0.137	ppbv	

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

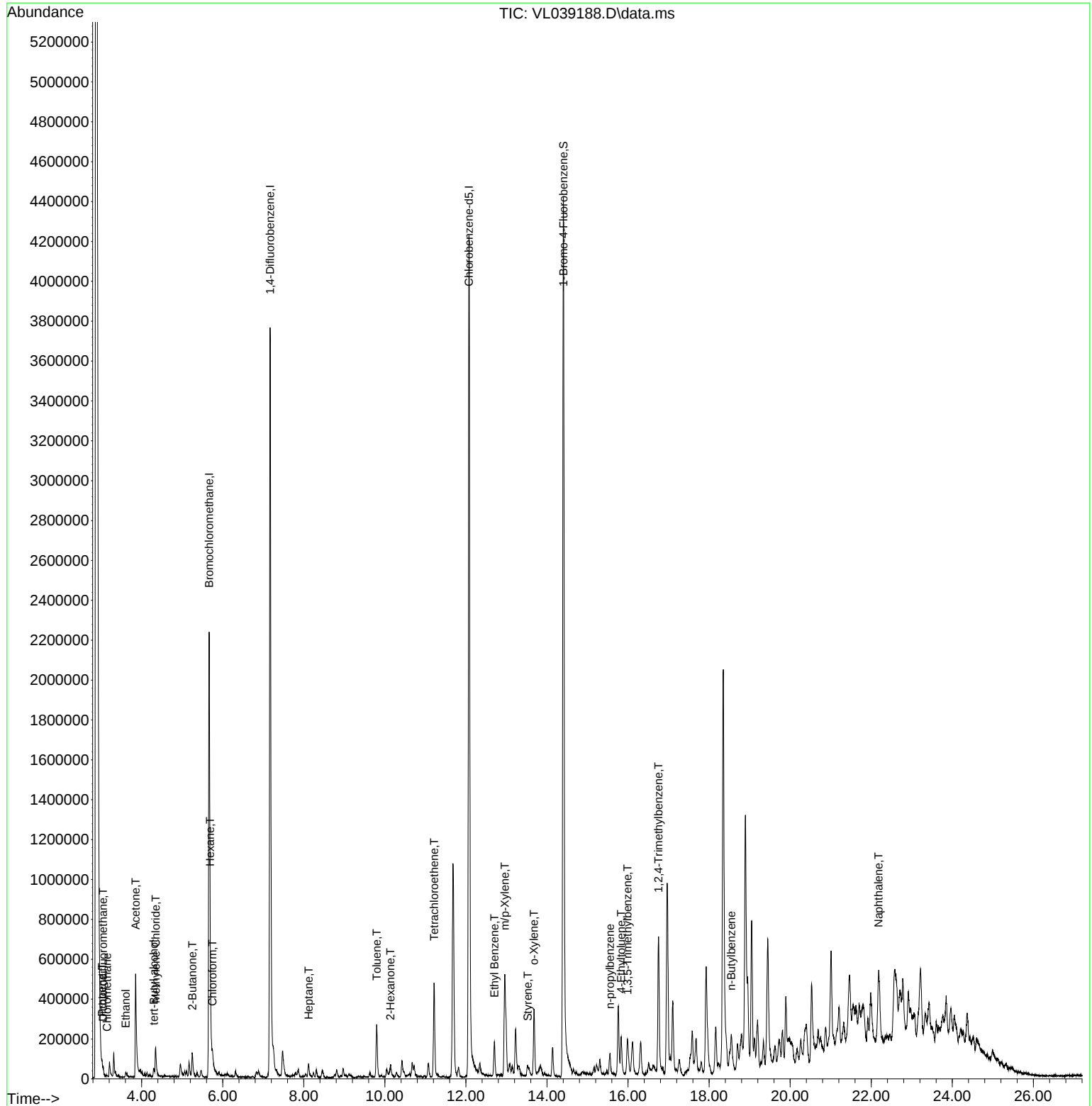
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039188.D
Acq On : 6 Jun 2022 16:11
Operator : SY/AP
Sample : N3110-07 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

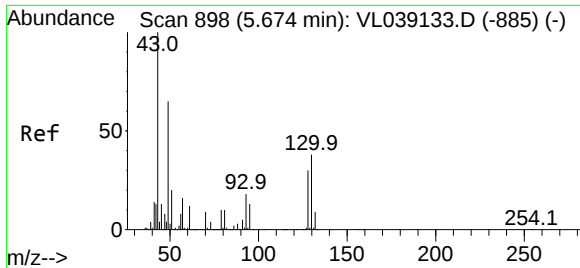
Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

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

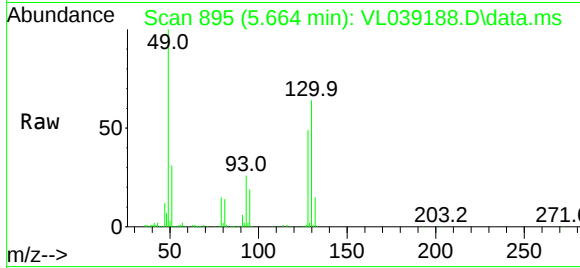
Quant Time: Jun 06 16:41:56 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

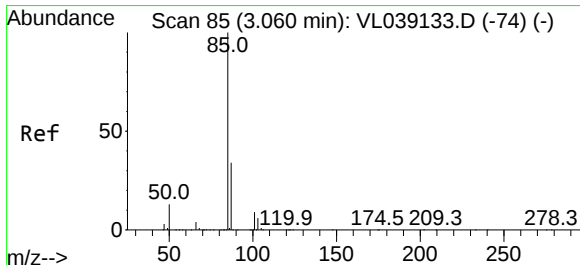
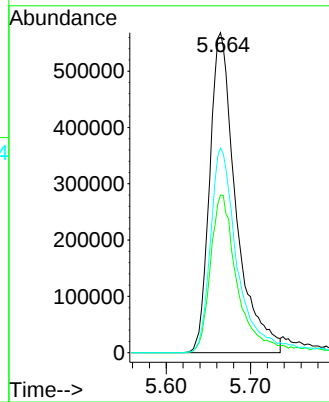
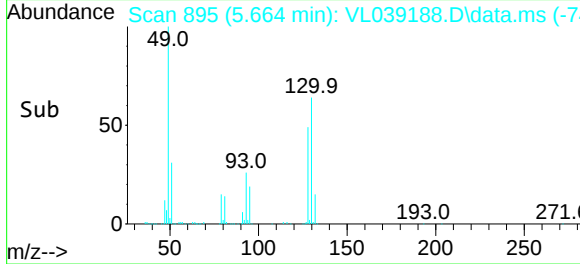
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 49 Resp: 123296
Ion Ratio Lower Upper
49 100
128 52.2 24.7 74.1
130 68.3 31.4 94.0

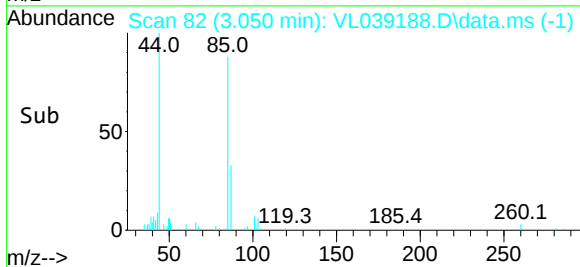
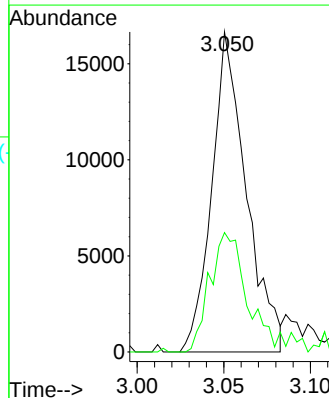
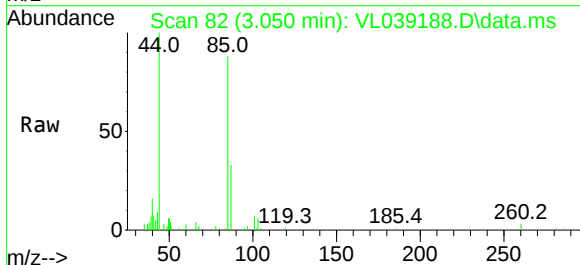
Manual Integrations
APPROVED

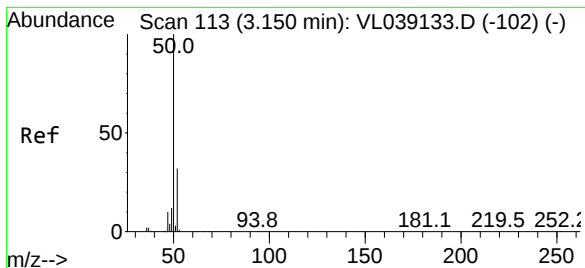
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#2
Dichlorodifluoromethane
Concen: 0.106 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.010 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

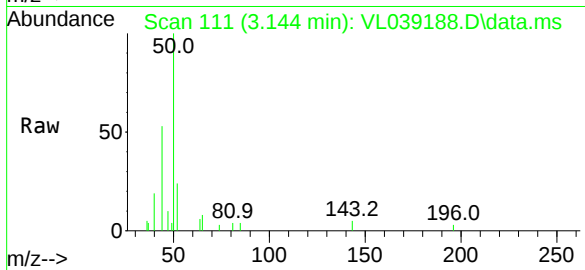
Tgt Ion: 85 Resp: 23022
Ion Ratio Lower Upper
85 100
87 37.3 26.9 40.3





#4
Chloromethane
Concen: 0.114 ppbv m
RT: 3.144 min Scan# 113
Delta R.T. -0.006 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

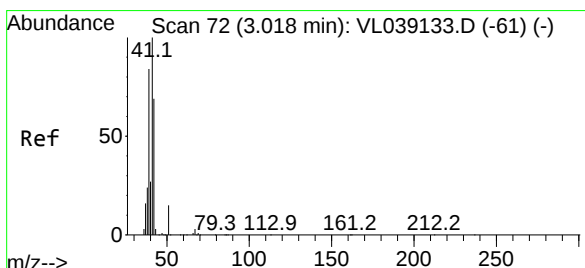
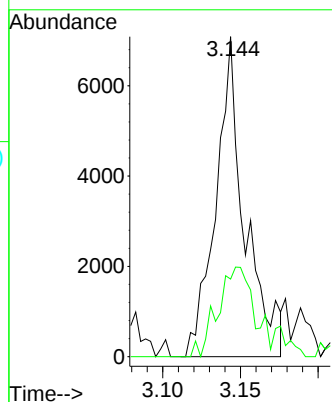
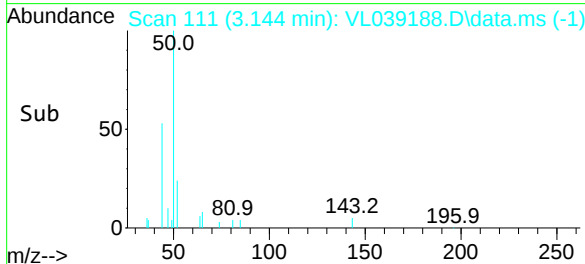
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 50 Resp: 9188
Ion Ratio Lower Upper
50 100
52 24.3 25.9 38.9

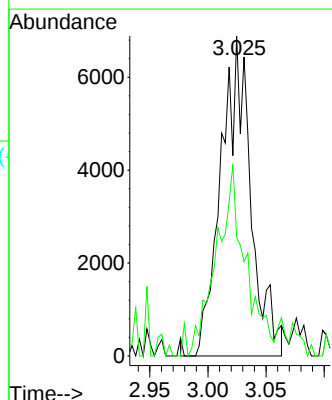
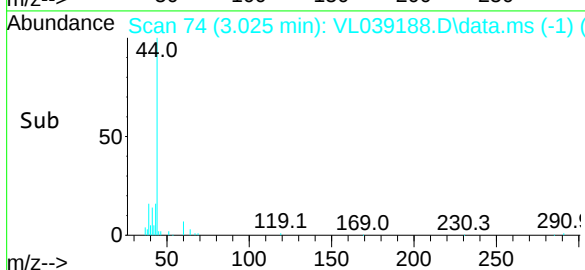
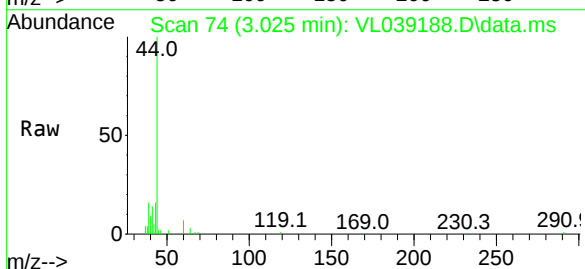
Manual Integrations
APPROVED

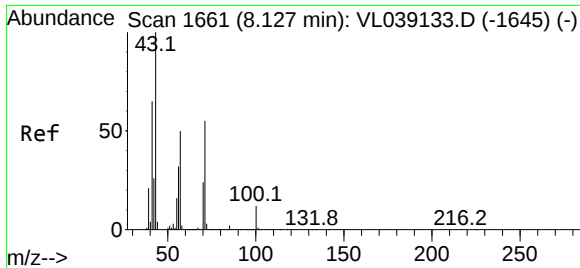
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#9
Propene
Concen: 0.179 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.006 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

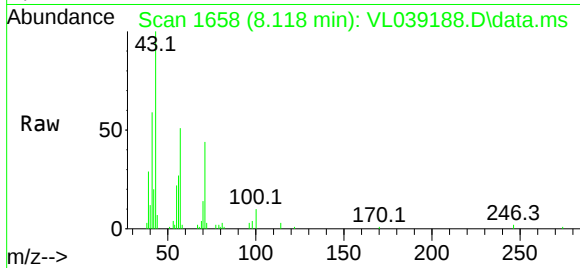
Tgt Ion: 41 Resp: 12263
Ion Ratio Lower Upper
41 100
42 26.4 55.4 83.2





#10
Heptane
Concen: 0.209 ppbv m
RT: 8.118 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

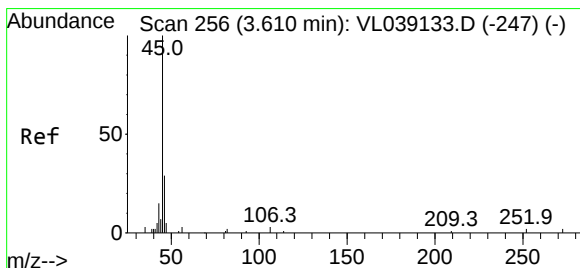
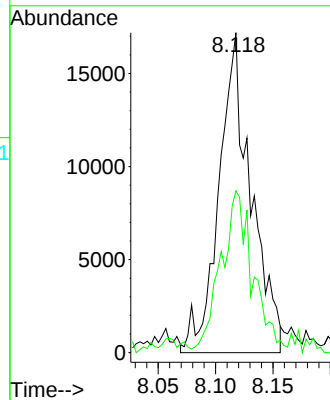
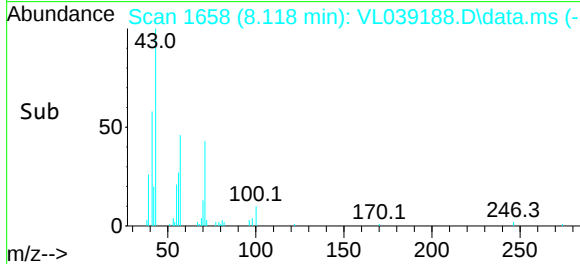
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 43 Resp: 33308
Ion Ratio Lower Upper
43 100
57 47.5 41.4 62.2

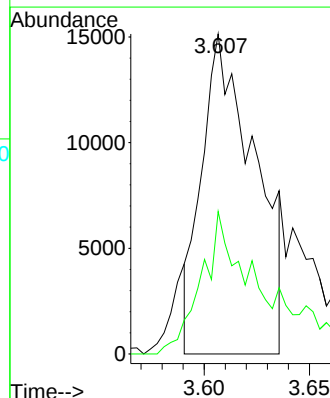
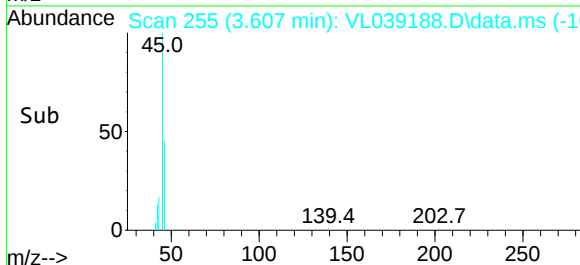
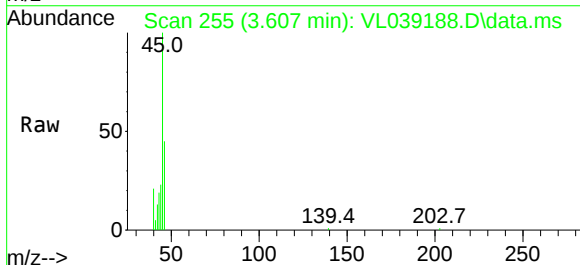
Manual Integrations
APPROVED

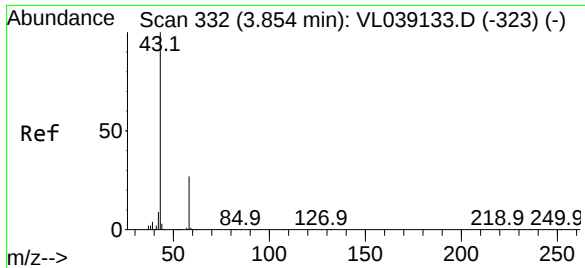
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#13
Ethanol
Concen: 7.130 ppbv m
RT: 3.607 min Scan# 255
Delta R.T. -0.003 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

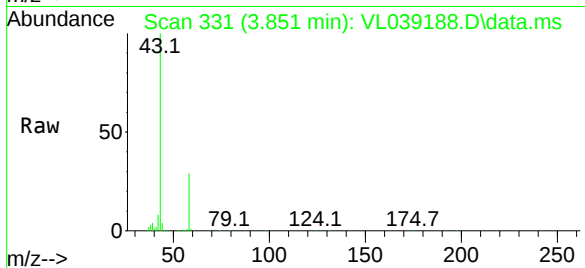
Tgt Ion: 45 Resp: 26600
Ion Ratio Lower Upper
45 100
46 57.7 0.0 0.0#





#15
Acetone
Concen: 5.144 ppbv
RT: 3.851 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

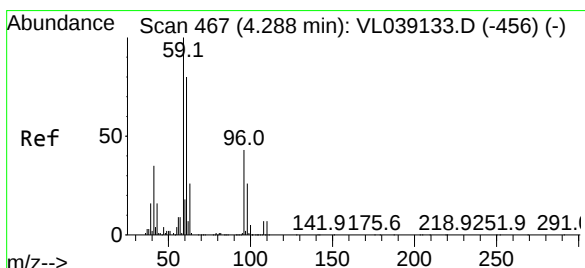
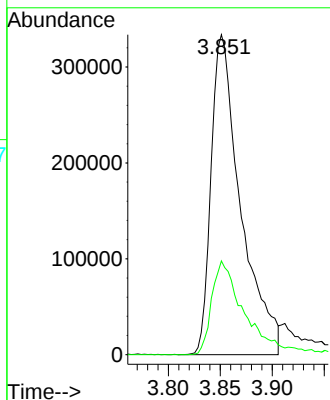
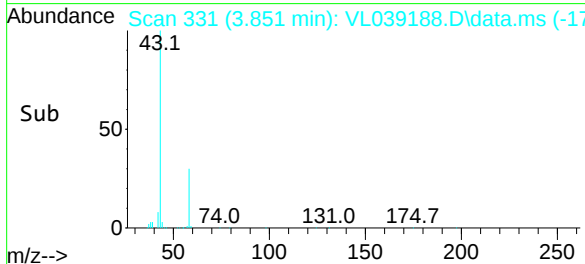
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 43 Resp: 660610
Ion Ratio Lower Upper
43 100
58 33.5 22.5 33.7

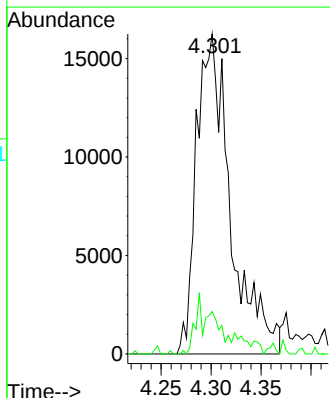
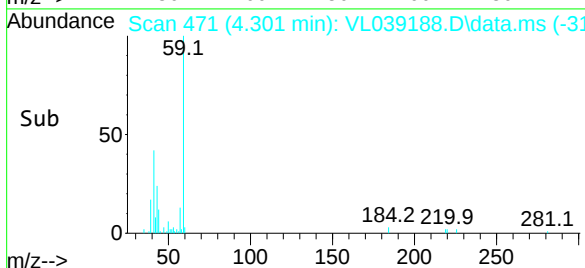
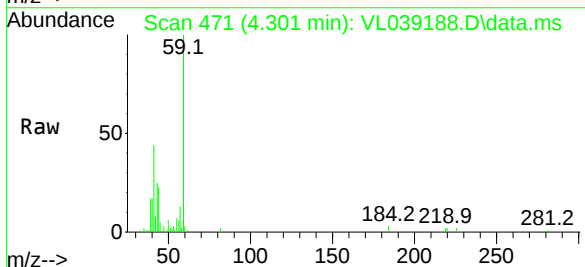
Manual Integrations
APPROVED

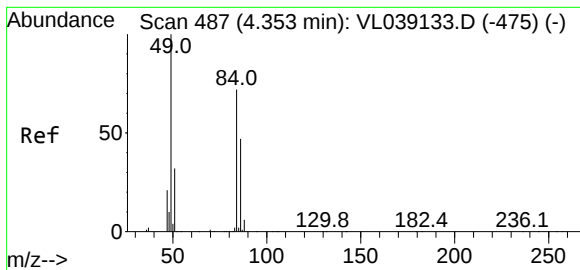
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#17
tert-Butyl alcohol
Concen: 0.385 ppbv m
RT: 4.301 min Scan# 471
Delta R.T. 0.013 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

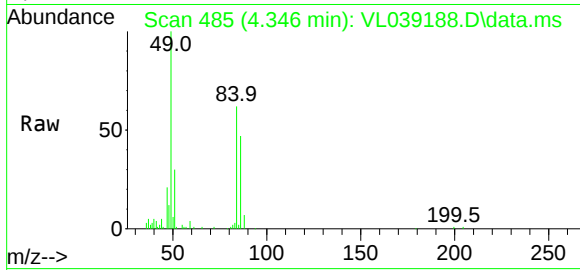
Tgt Ion: 59 Resp: 38401
Ion Ratio Lower Upper
59 100
57 13.1 9.1 13.7





#20
Methylene Chloride
Concen: 1.010 ppbv
RT: 4.346 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

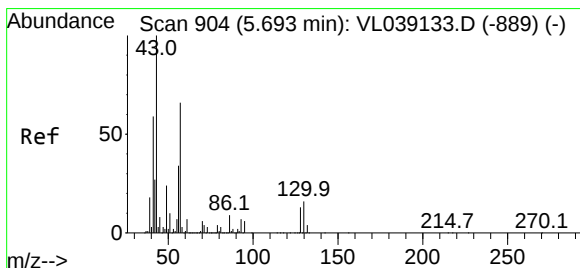
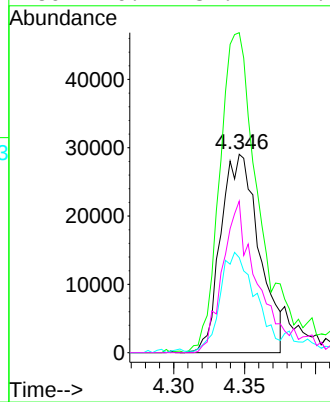
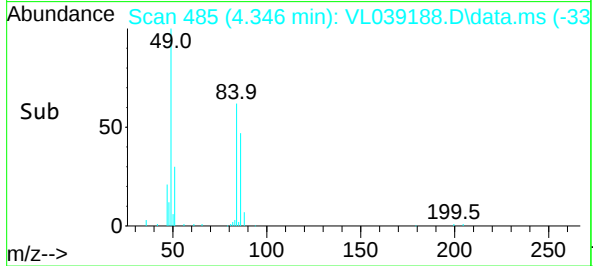
Instrument :
MSVOA_L
ClientSampleId :
SG-6



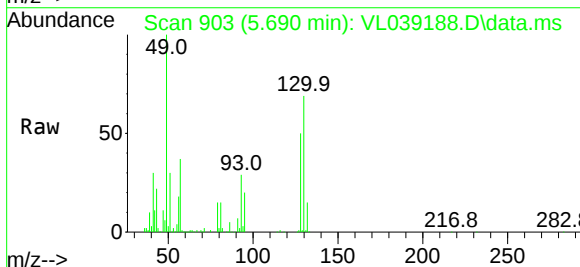
Tgt Ion: 84 Resp: 54649
Ion Ratio Lower Upper
84 100
49 160.5 111.1 166.7
51 46.0 35.3 52.9
86 76.4 51.9 77.9

Manual Integrations
APPROVED

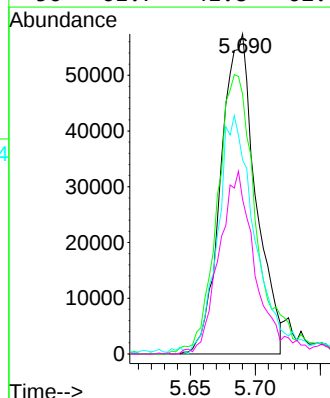
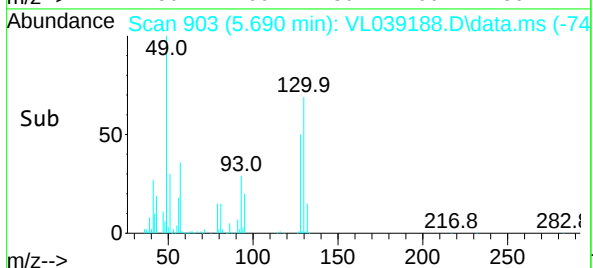
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

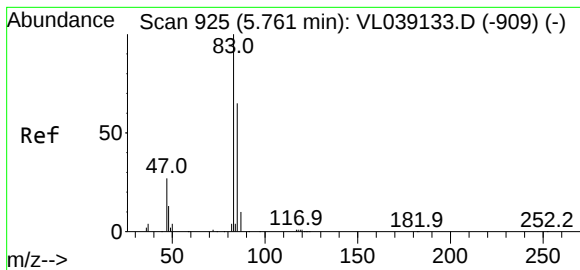


#26
Hexane
Concen: 0.845 ppbv
RT: 5.690 min Scan# 903
Delta R.T. -0.003 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11



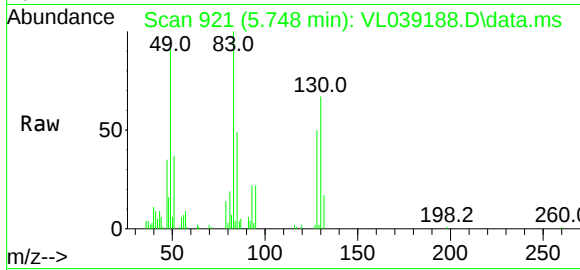
Tgt Ion: 57 Resp: 107451
Ion Ratio Lower Upper
57 100
41 102.1 72.4 108.6
43 79.8 187.0 280.6#
56 61.7 41.8 62.6





#29
Chloroform
Concen: 0.180 ppbv m
RT: 5.748 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

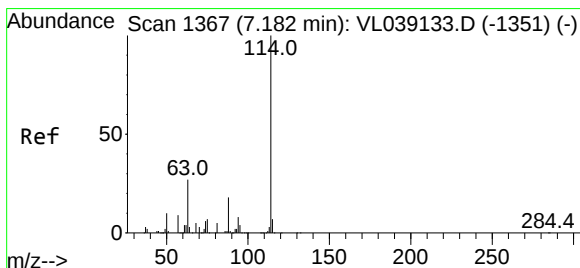
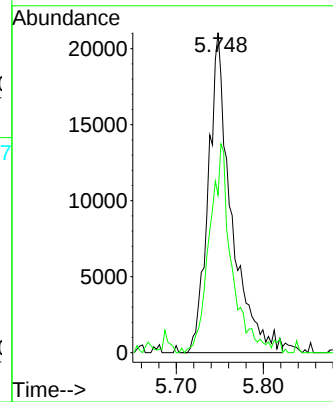
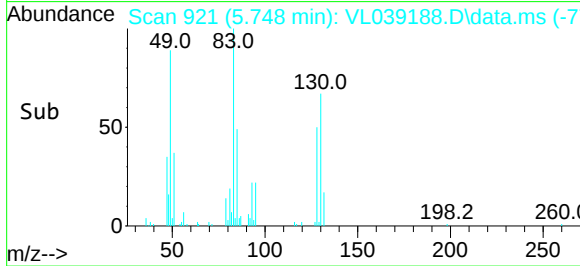
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 83 Resp: 3858
Ion Ratio Lower Upper
83 100
85 49.2 52.4 78.6

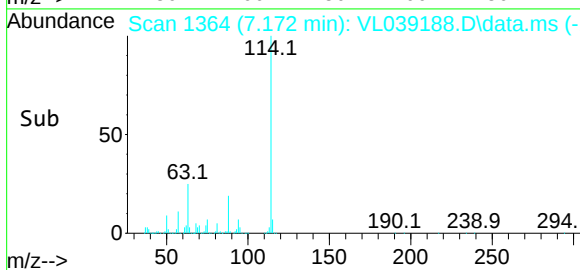
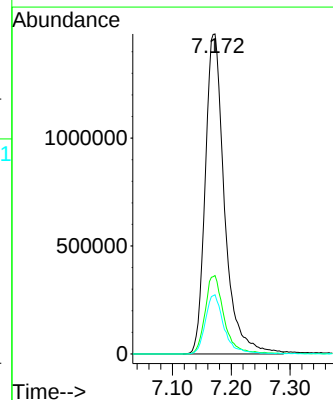
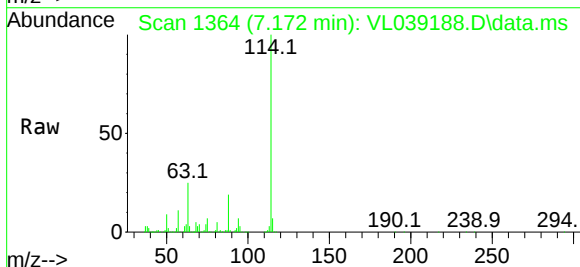
Manual Integrations
APPROVED

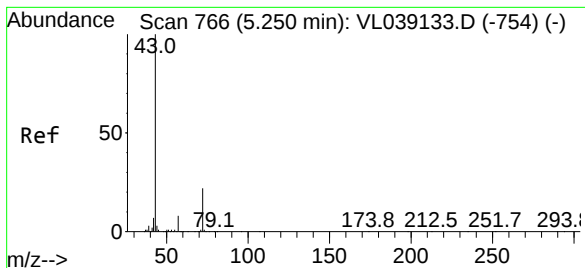
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.172 min Scan# 1364
Delta R.T. -0.010 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

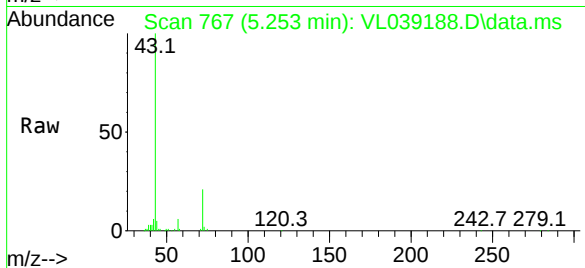
Tgt Ion:114 Resp: 3365582
Ion Ratio Lower Upper
114 100
63 24.4 21.7 32.5
88 18.1 14.8 22.2





#34
2-Butanone
Concen: 0.923 ppbv
RT: 5.253 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

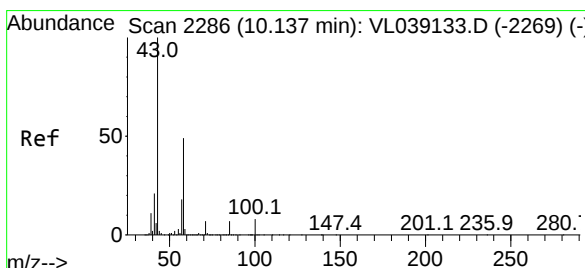
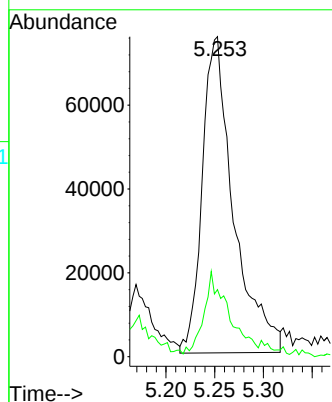
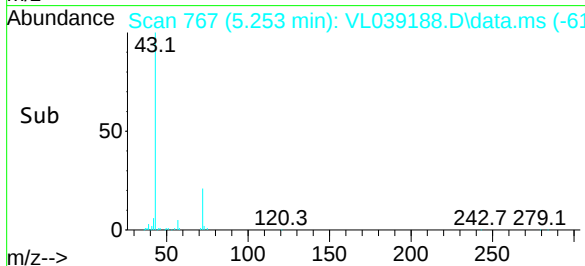
Instrument :
MSVOA_L
ClientSampleId :
SG-6



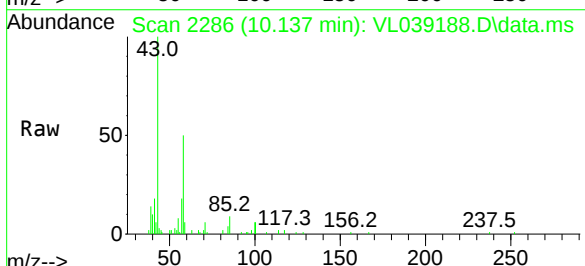
Tgt Ion: 43 Resp: 16882
Ion Ratio Lower Upper
43 100
72 25.5 18.2 27.2

Manual Integrations
APPROVED

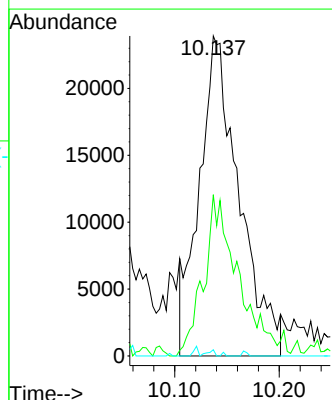
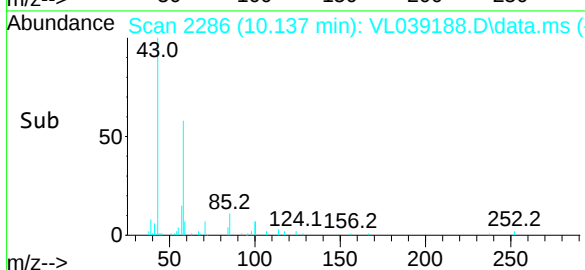
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

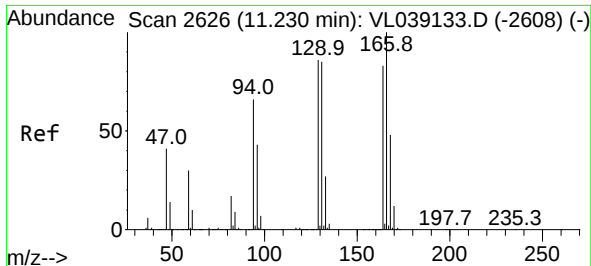


#51
2-Hexanone
Concen: 0.298 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11



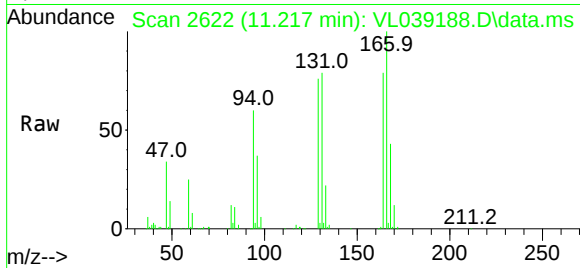
Tgt Ion: 43 Resp: 63388
Ion Ratio Lower Upper
43 100
58 45.3 40.0 60.0
98 0.4 0.1 0.1#





#52
Tetrachloroethene
Concen: 1.116 ppbv
RT: 11.217 min Scan# 2119
Delta R.T. -0.013 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

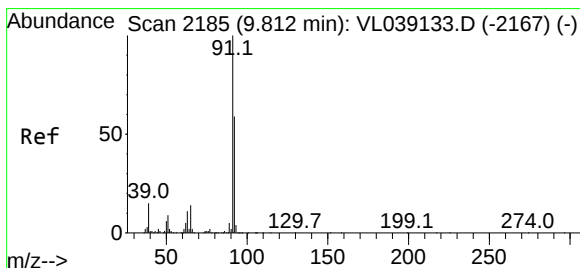
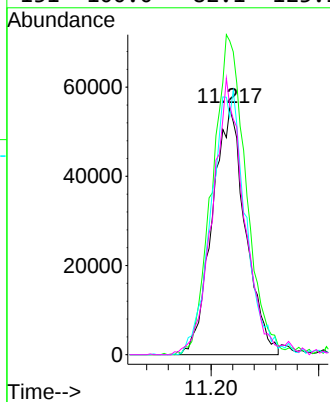
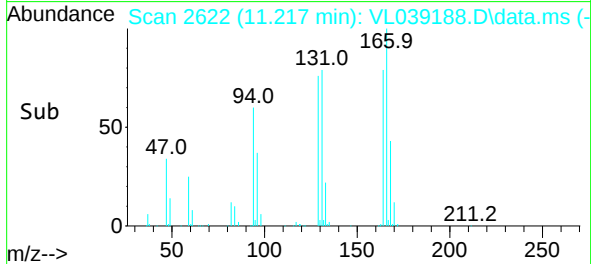
Instrument :
MSVOA_L
ClientSampleId :
SG-6



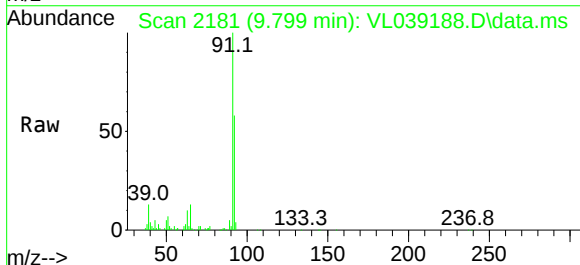
Tgt Ion:164 Resp: 119040
Ion Ratio Lower Upper
164 100
166 126.1 96.3 144.5
129 96.6 82.5 123.7
131 100.0 82.1 123.1

Manual Integrations
APPROVED

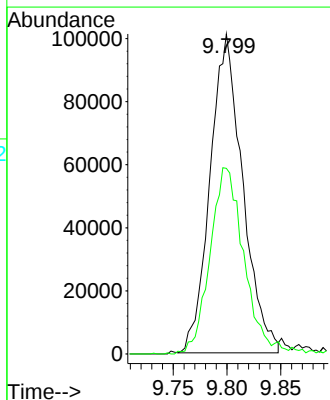
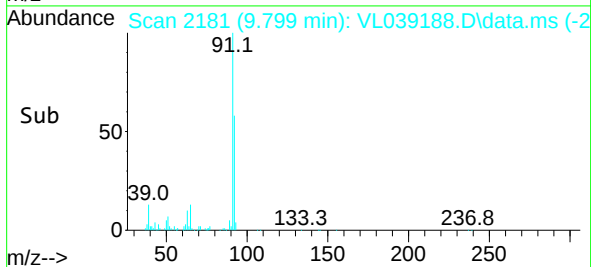
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

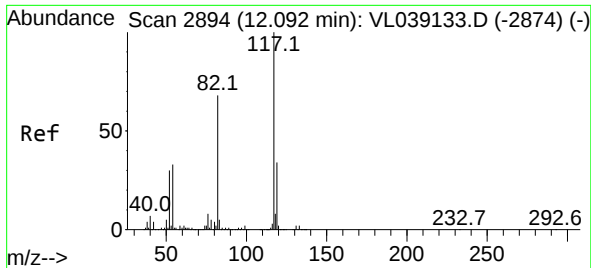


#53
Toluene
Concen: 0.678 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.013 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11



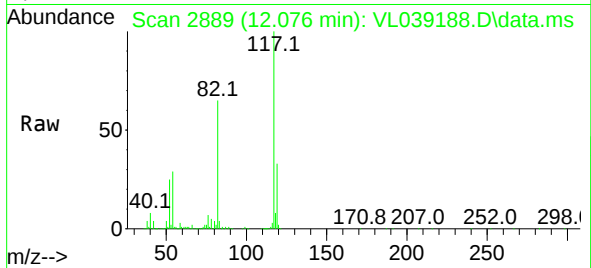
Tgt Ion: 91 Resp: 213284
Ion Ratio Lower Upper
91 100
92 61.8 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

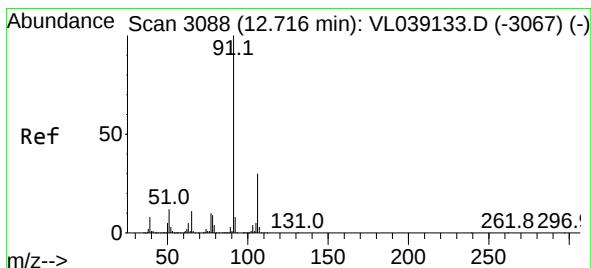
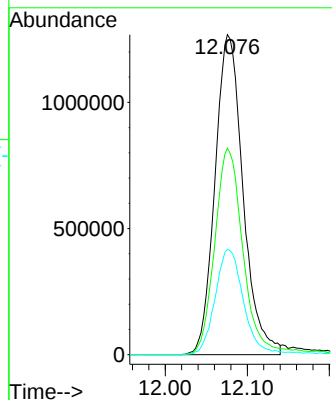
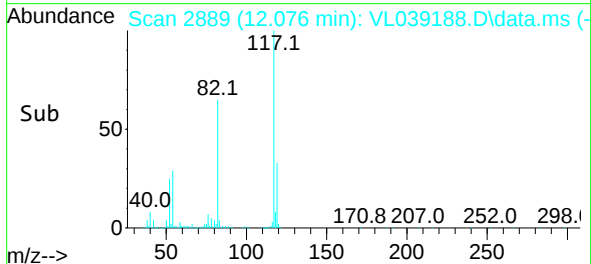
Instrument :
MSVOA_L
ClientSampleId :
SG-6



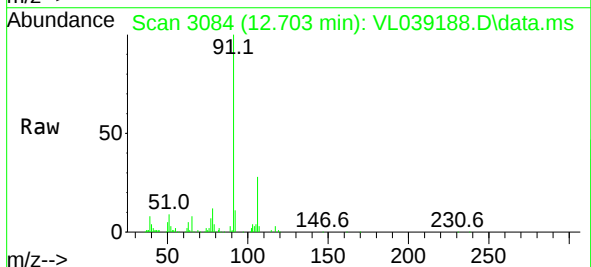
Tgt Ion: 117 Resp: 3018039
Ion Ratio Lower Upper
117 100
82 67.5 55.1 82.7
119 34.1 24.7 37.1

Manual Integrations
APPROVED

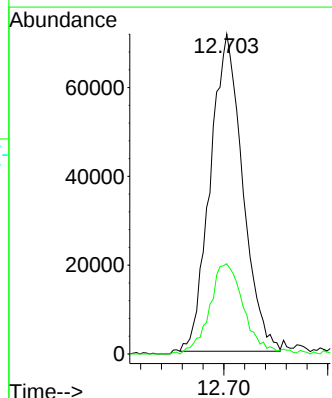
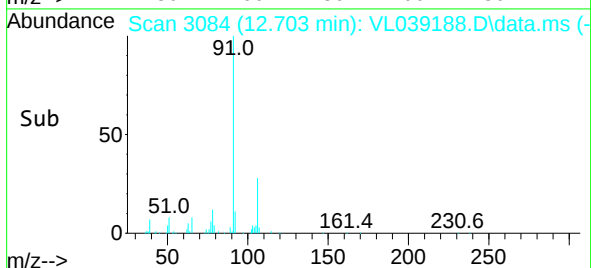
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

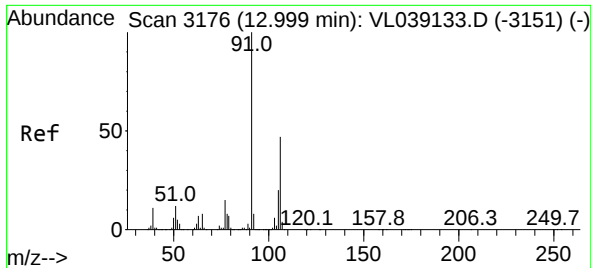


#58
Ethyl Benzene
Concen: 0.373 ppbv
RT: 12.703 min Scan# 3084
Delta R.T. -0.013 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11



Tgt Ion: 91 Resp: 155246
Ion Ratio Lower Upper
91 100
106 28.5 24.2 36.4





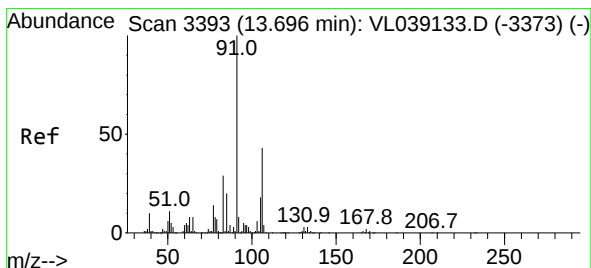
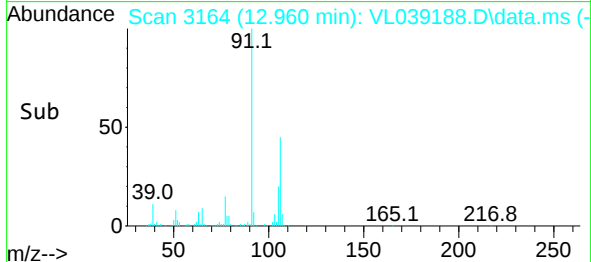
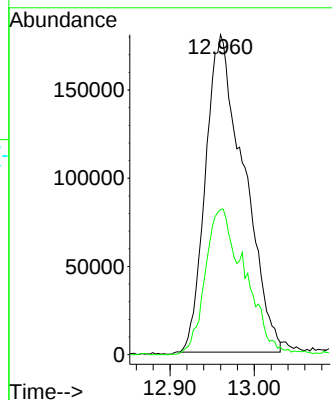
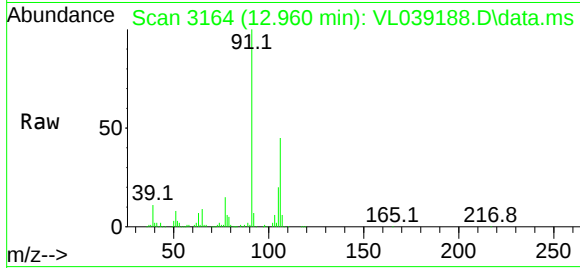
#59
m/p-Xylene
Concen: 1.556 ppbv
RT: 12.960 min Scan# 3176
Delta R.T. -0.039 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 56952
Ion Ratio Lower Upper
91 100
106 47.8 34.3 51.5

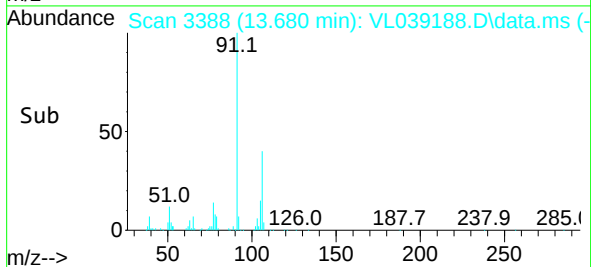
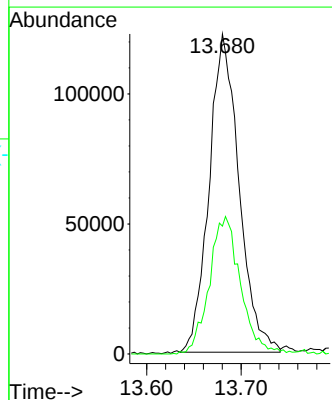
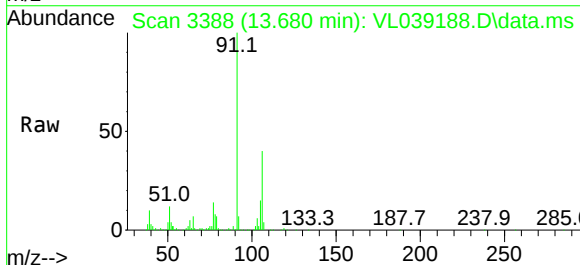
Manual Integrations
APPROVED

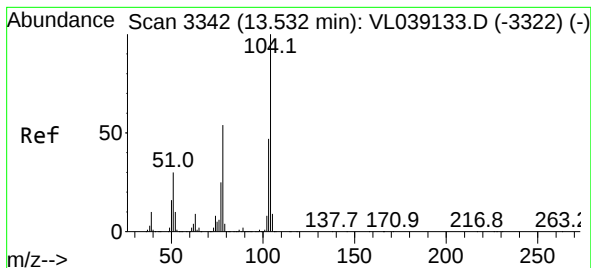
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#60
o-Xylene
Concen: 0.783 ppbv
RT: 13.680 min Scan# 3388
Delta R.T. -0.016 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 91 Resp: 269183
Ion Ratio Lower Upper
91 100
106 45.0 22.3 66.9





#61

Styrene

Concen: 0.097 ppbv

RT: 13.523 min Scan# 31

Delta R.T. -0.010 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

Instrument :

MSVOA_L

ClientSampleId :

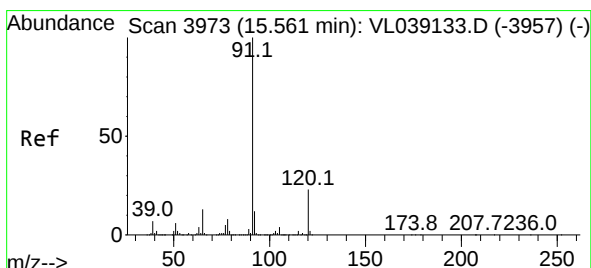
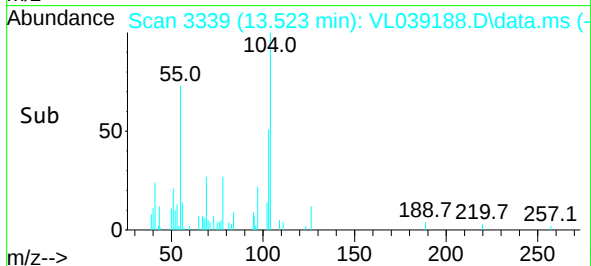
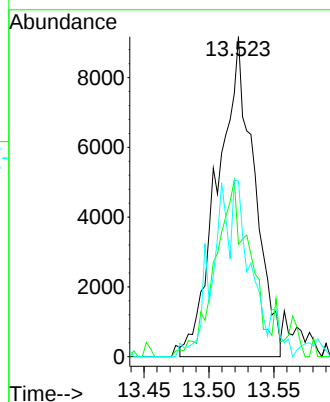
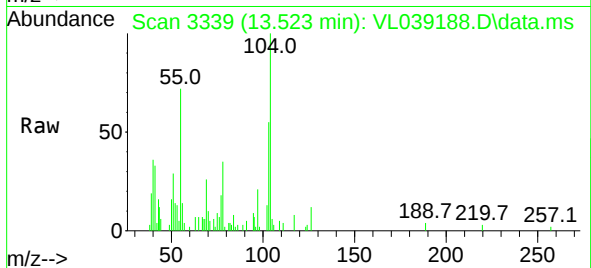
SG-6

Tgt Ion:	104	Resp:	1790
Ion Ratio	Lower	Upper	
104	100		
78	58.7	45.7	68.5
103	57.8	39.6	59.4

Manual Integrations

APPROVED

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



#64

n-propylbenzene

Concen: 0.185 ppbv m

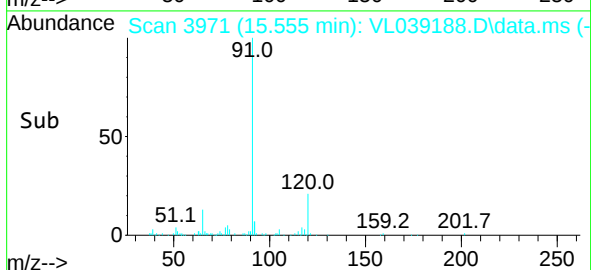
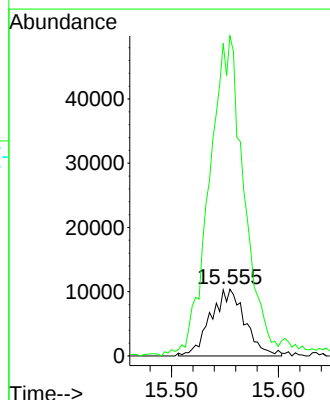
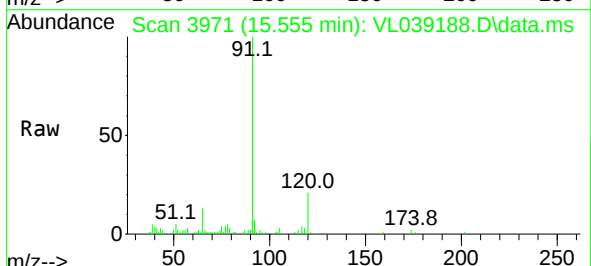
RT: 15.555 min Scan# 3971

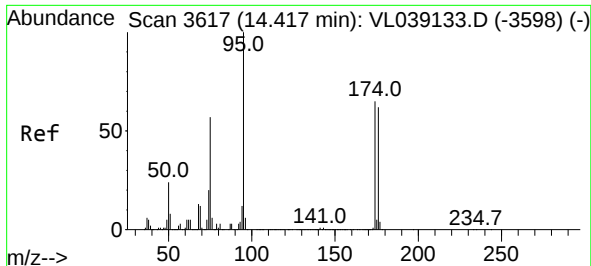
Delta R.T. -0.007 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

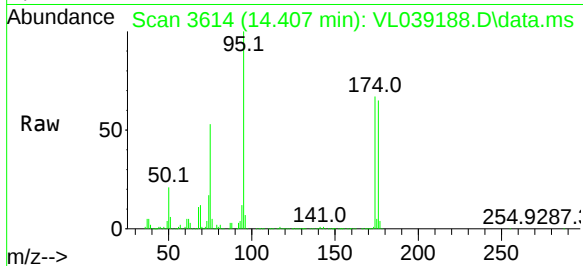
Tgt Ion:	120	Resp:	23223
Ion Ratio	Lower	Upper	
120	100		
91	0.0	388.4	582.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.625 ppbv
RT: 14.407 min Scan# 3014
Delta R.T. -0.010 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

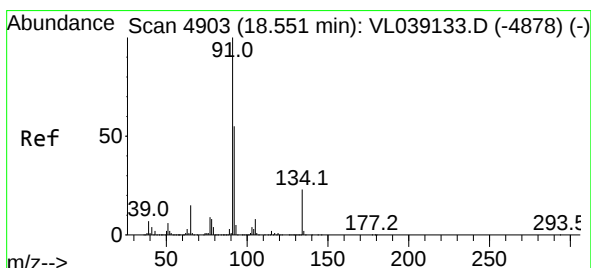
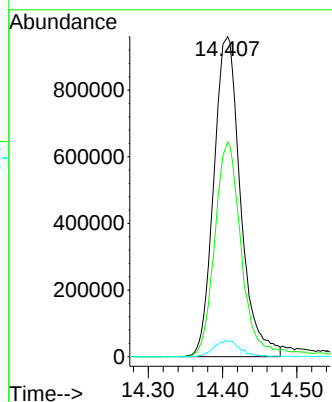
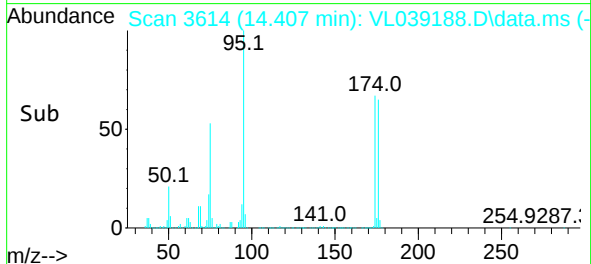
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 95 Resp: 240149
Ion Ratio Lower Upper
95 100
174 69.4 53.8 80.8
175 5.1 4.1 6.1

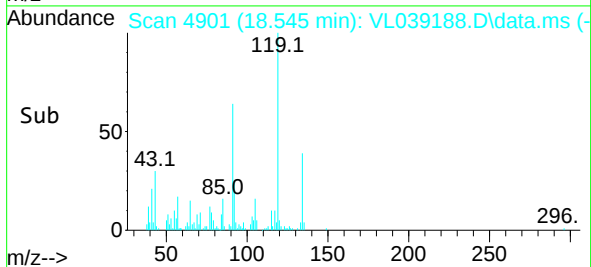
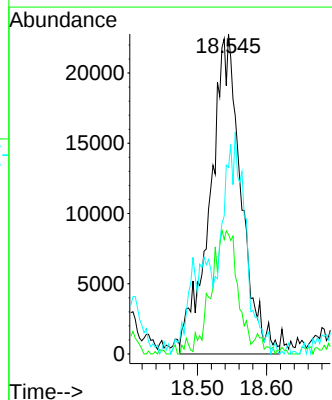
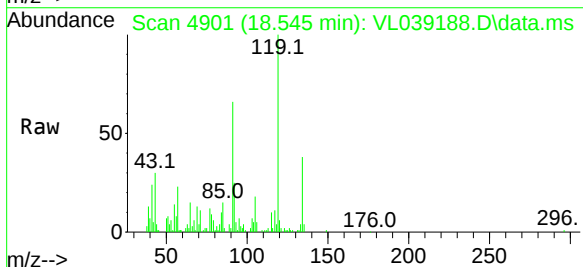
Manual Integrations
APPROVED

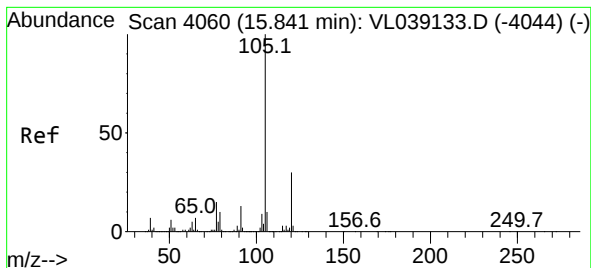
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#70
n-Butylbenzene
Concen: 0.129 ppbv m
RT: 18.545 min Scan# 4901
Delta R.T. -0.007 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 91 Resp: 71423
Ion Ratio Lower Upper
91 100
92 0.0 43.6 65.4#
134 0.0 17.7 26.5#





#72

4-Ethyltoluene

Concen: 0.352 ppbv

RT: 15.828 min Scan# 4060

Delta R.T. -0.013 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

Instrument :

MSVOA_L

ClientSampleId :

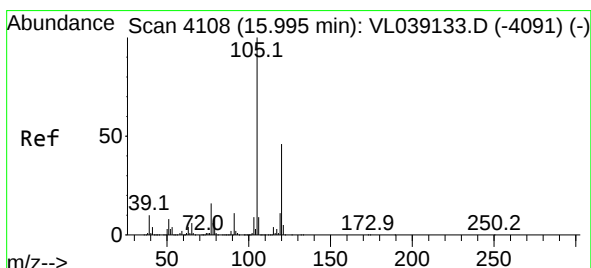
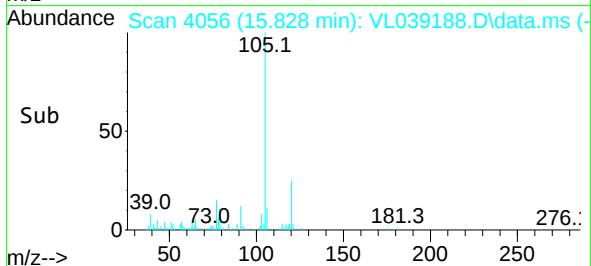
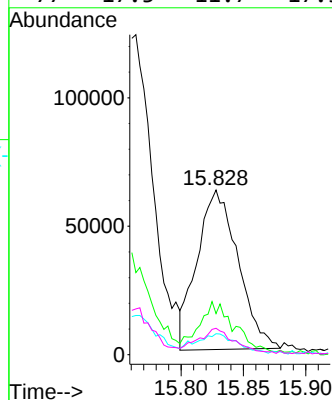
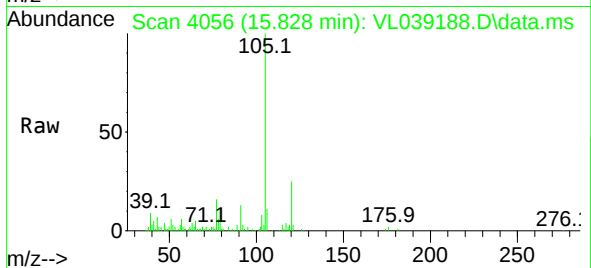
SG-6

Tgt Ion:105	Resp:	141930
Ion Ratio	Lower	Upper
105	100	
120	32.3	23.9 35.9
91	12.2	10.6 16.0
77	17.3	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: 0.367 ppbv

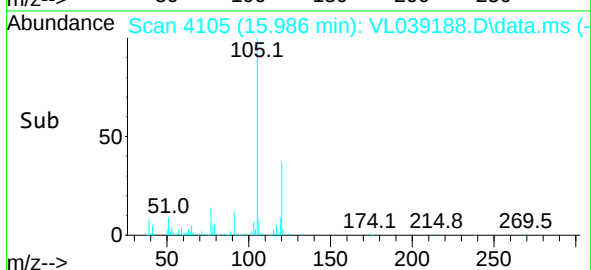
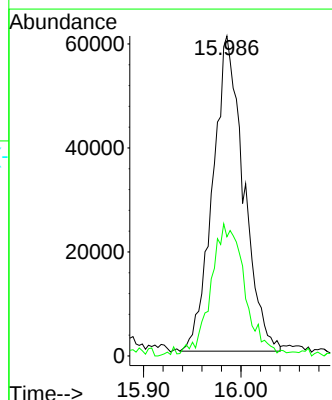
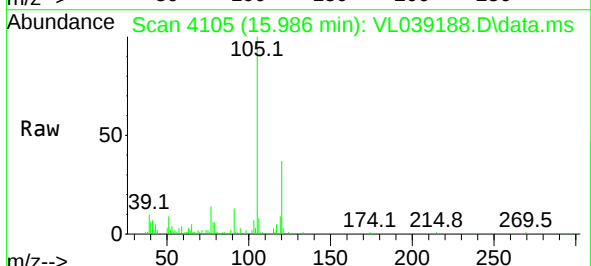
RT: 15.986 min Scan# 4105

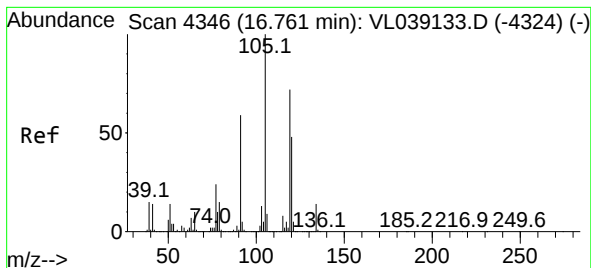
Delta R.T. -0.010 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

Tgt Ion:105	Resp:	133626
Ion Ratio	Lower	Upper
105	100	
120	37.0	36.7 55.1





#74

1,2,4-Trimethylbenzene

Concen: 1.386 ppbv

RT: 16.751 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

Instrument :

MSVOA_L

ClientSampleId :

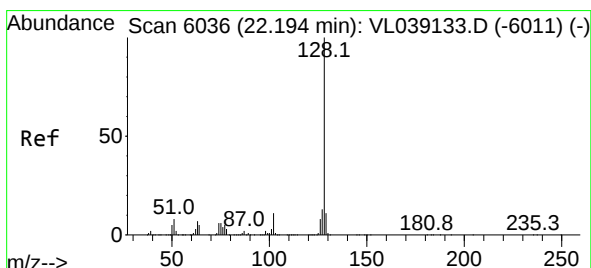
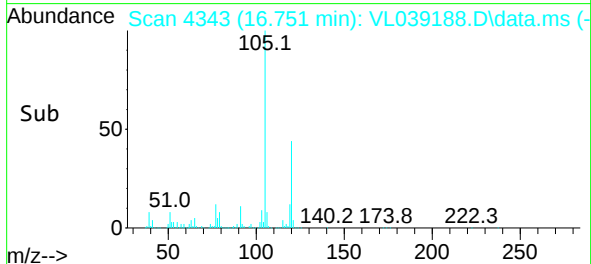
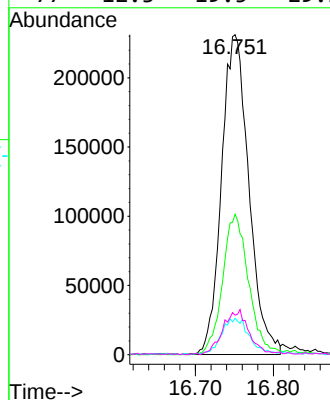
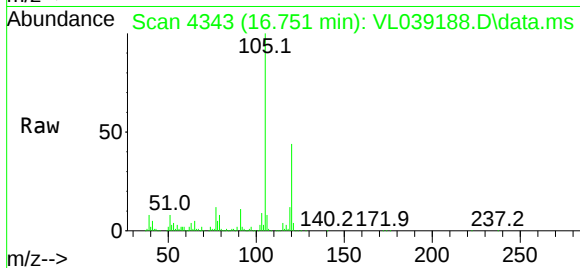
SG-6

Tgt Ion:	105	Resp:	56225
Ion Ratio	Lower	Upper	
105	100		
120	43.9	38.1	57.1
91	11.4	47.4	71.0
77	12.3	19.5	29.3

Manual Integrations

APPROVED

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



#79

Naphthalene

Concen: 0.137 ppbv m

RT: 22.181 min Scan# 6032

Delta R.T. -0.013 min

Lab File: VL039188.D

Acq: 6 Jun 2022 16:11

Tgt Ion:	128	Resp:	42753
Ion Ratio	Lower	Upper	
128	100		
127	24.5	10.4	15.6
129	10.4	9.0	13.6

