

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039289.D
 Acq On : 14 Jun 2022 20:46
 Operator : SY/AP
 Sample : N3306-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/16/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 15 03:20:53 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 03:20:53 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	5.671	49	1504377	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	4020454	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	3642277	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	2760590	9.168	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.700%
Target Compounds						
					Qvalue	
9) Propene	3.025	41	91291	1.094	ppbv	85
10) Heptane	8.124	43	107359	0.551	ppbv #	26
13) Ethanol	3.607	45	184934	40.629	ppbv #	100
15) Acetone	3.851	43	1376398	8.783	ppbv	99
17) tert-Butyl alcohol	4.298	59	37825	0.311	ppbv #	87
19) Isopropyl Alcohol	3.970	45	179740	2.445	ppbv #	1
20) Methylene Chloride	4.350	84	138456	2.097	ppbv	86
26) Hexane	5.694	57	178127	1.148	ppbv #	39
27) Carbon Disulfide	4.559	76	35367m	0.220	ppbv	
34) 2-Butanone	5.247	43	609626	2.791	ppbv	97
36) Benzene	6.893	78	111394m	0.341	ppbv	
41) Tetrahydrofuran	6.060	42	201514m	1.534	ppbv	
44) 2,2,4-Trimethylpentane	7.874	57	4290878	7.515	ppbv	97
50) 4-Methyl-2-Pentanone	8.755	43	132675	0.406	ppbv	99
52) Tetrachloroethene	11.221	164	55912m	0.439	ppbv	
53) Toluene	9.806	91	149544	0.398	ppbv	98
58) Ethyl Benzene	12.709	91	63799m	0.127	ppbv	
59) m/p-Xylene	12.967	91	301492m	0.682	ppbv	
60) o-Xylene	13.687	91	132393m	0.319	ppbv	
72) 4-Ethyltoluene	15.835	105	80476	0.165	ppbv	95
73) 1,3,5-Trimethylbenzene	15.999	105	76689m	0.175	ppbv	
74) 1,2,4-Trimethylbenzene	16.761	105	257438	0.526	ppbv #	63

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

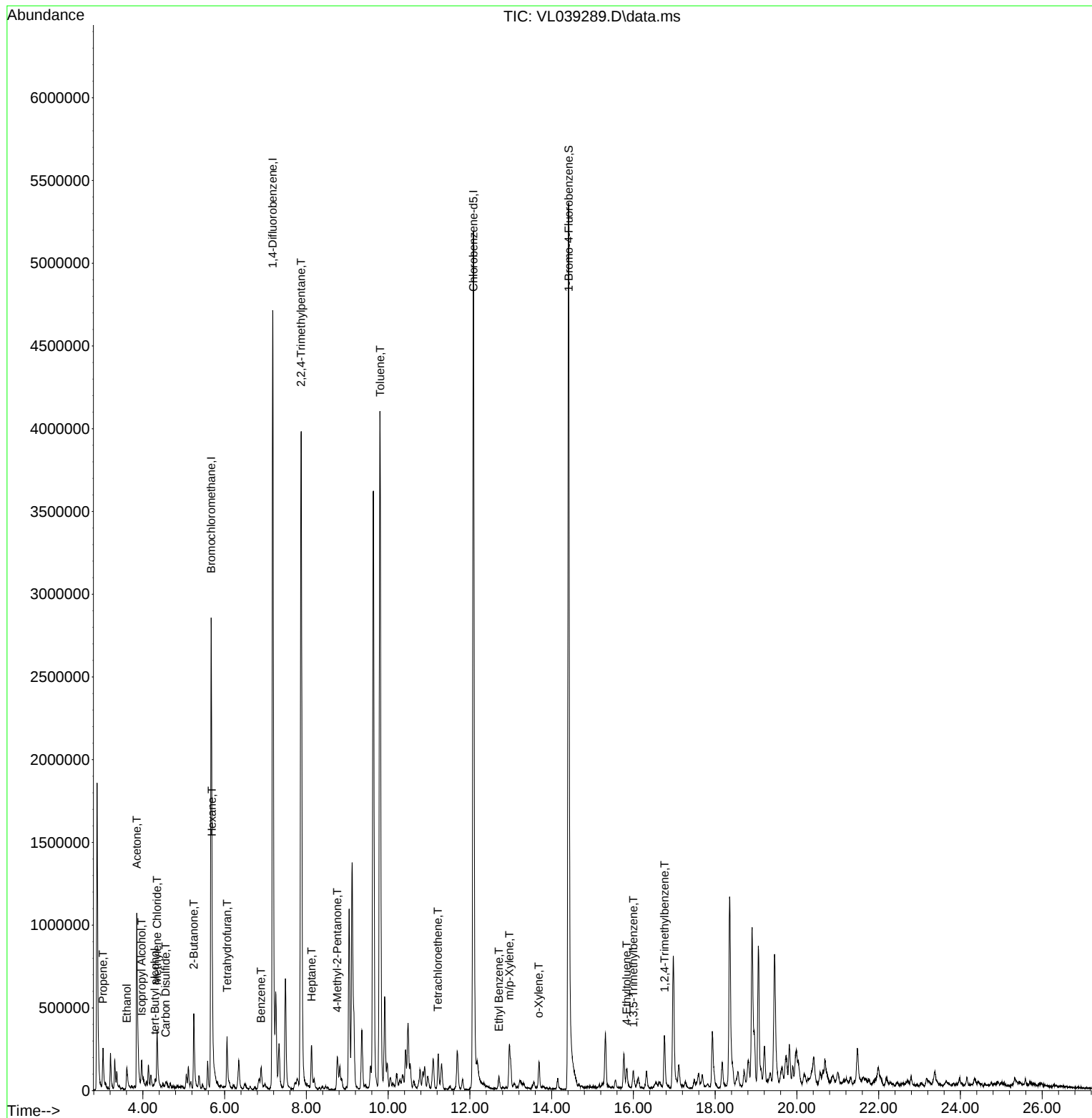
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
Data File : VL039289.D
Acq On : 14 Jun 2022 20:46
Operator : SY/AP
Sample : N3306-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

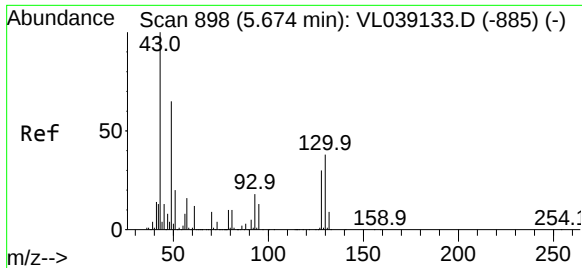
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Quant Time: Jun 15 03:20:53 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

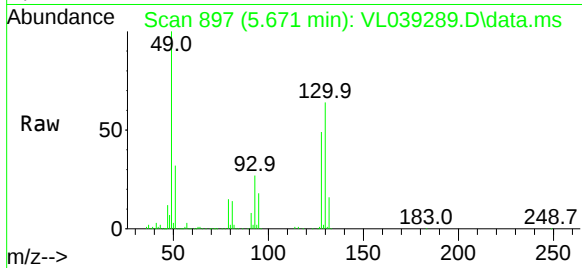
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

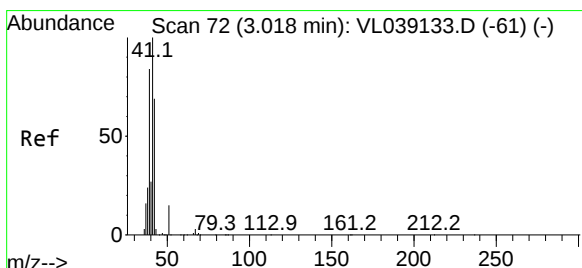
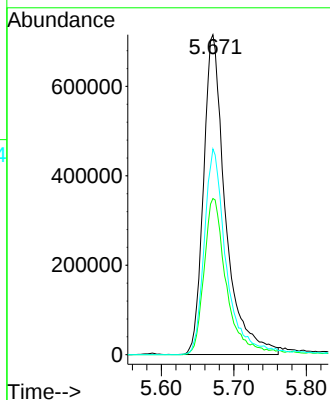
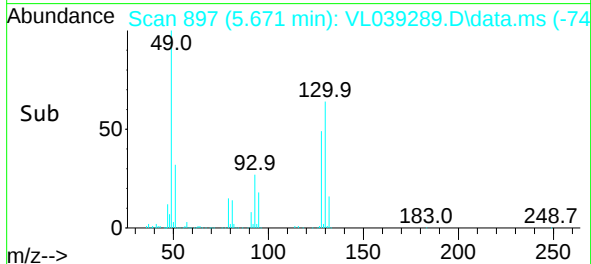
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 49 Resp: 150437
Ion Ratio Lower Upper
49 100
128 51.3 24.7 74.1
130 66.5 31.4 94.0

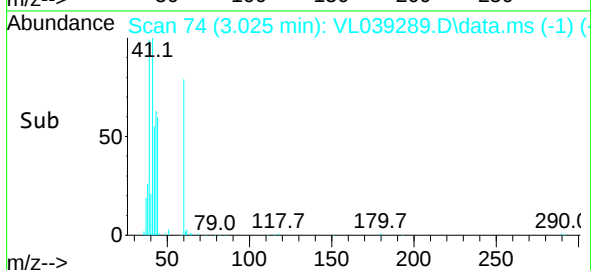
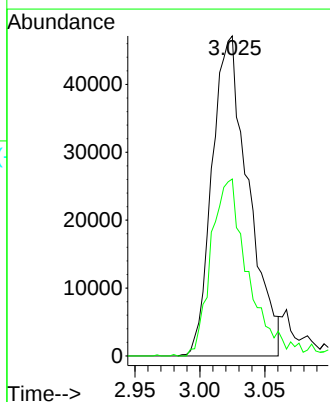
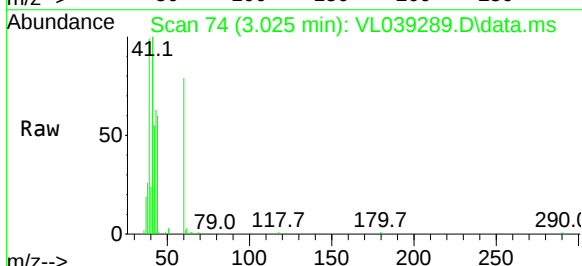
Manual Integrations
APPROVED

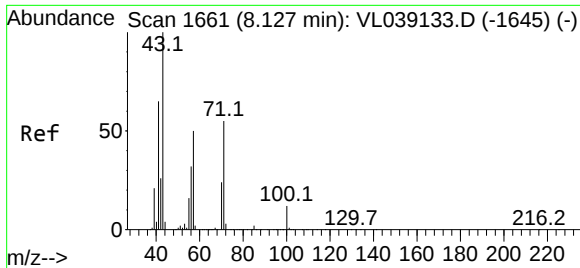
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#9
Propene
Concen: 1.094 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.007 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

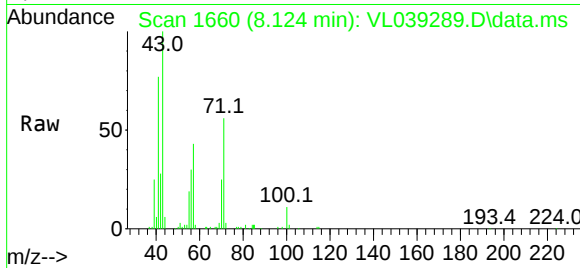
Tgt Ion: 41 Resp: 91291
Ion Ratio Lower Upper
41 100
42 57.2 55.4 83.2





#10
Heptane
Concen: 0.551 ppbv
RT: 8.124 min Scan# 107359
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

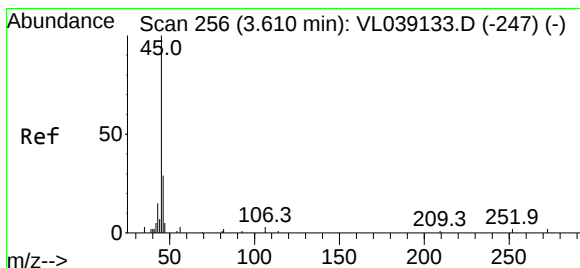
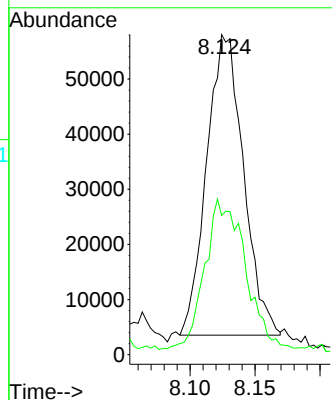
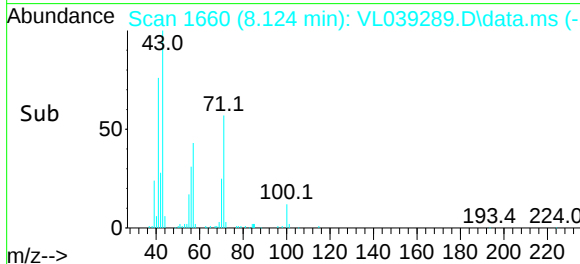
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



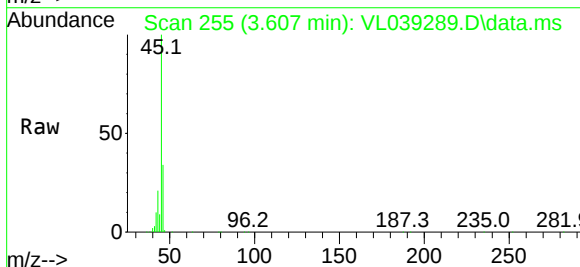
Tgt Ion: 43 Resp: 107359
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2

Manual Integrations
APPROVED

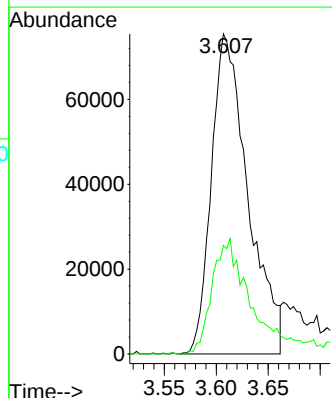
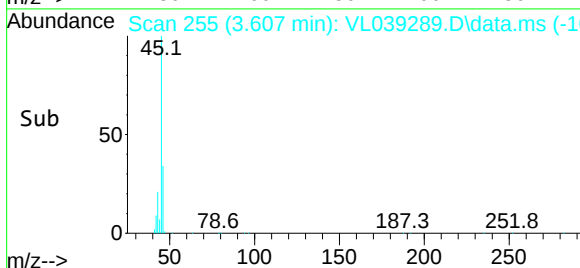
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

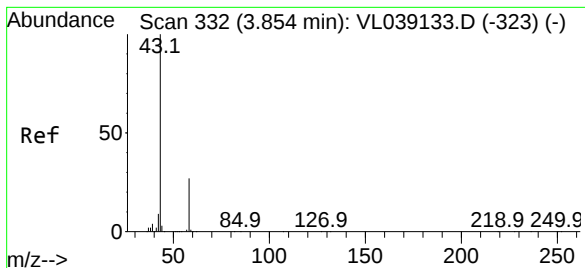


#13
Ethanol
Concen: 40.629 ppbv
RT: 3.607 min Scan# 255
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46



Tgt Ion: 45 Resp: 184934
Ion Ratio Lower Upper
45 100
46 39.2 0.0 0.0





#15

Acetone

Concen: 8.783 ppbv

RT: 3.851 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL039289.D

Acq: 14 Jun 2022 20:46

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tgt Ion: 43 Resp: 1376398

Ion Ratio Lower Upper

43 100

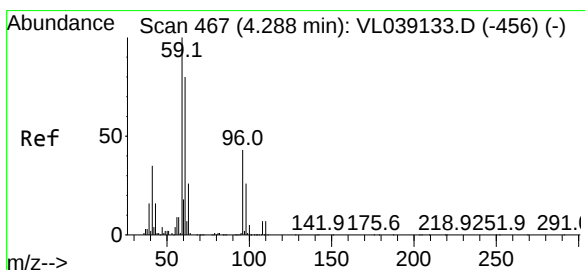
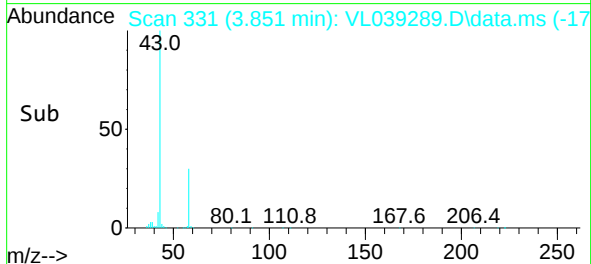
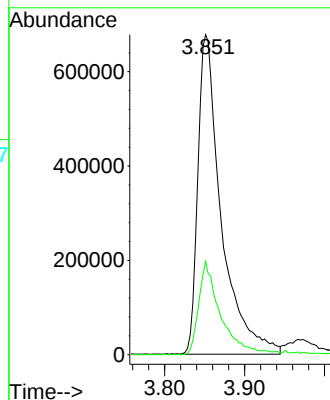
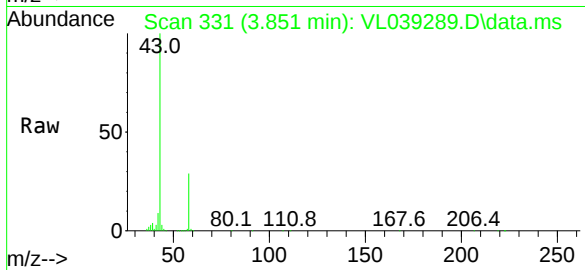
58 28.8 22.5 33.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#17

tert-Butyl alcohol

Concen: 0.311 ppbv

RT: 4.298 min Scan# 470

Delta R.T. 0.010 min

Lab File: VL039289.D

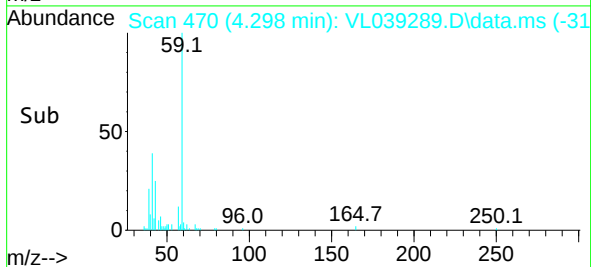
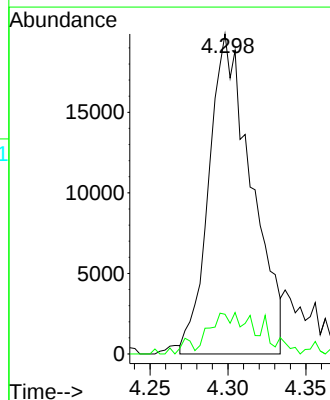
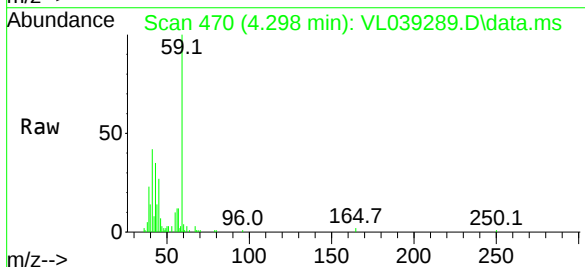
Acq: 14 Jun 2022 20:46

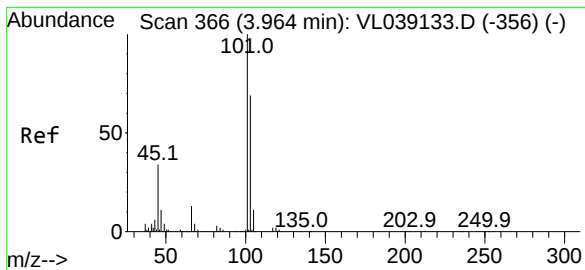
Tgt Ion: 59 Resp: 37825

Ion Ratio Lower Upper

59 100

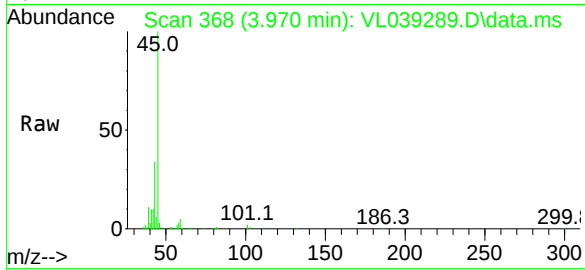
57 16.4 9.1 13.7#





#19
Isopropyl Alcohol
Concen: 2.445 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.007 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

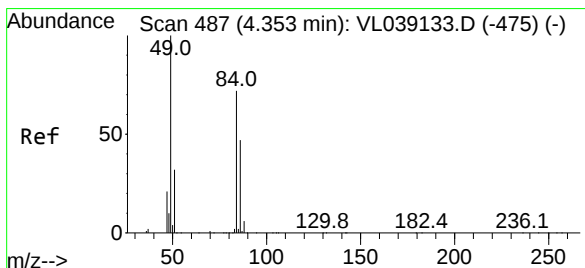
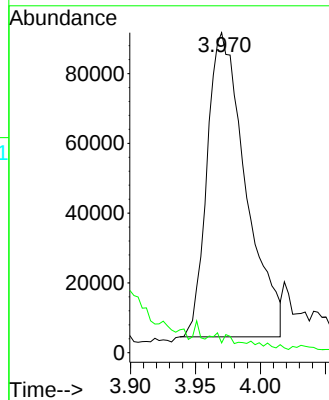
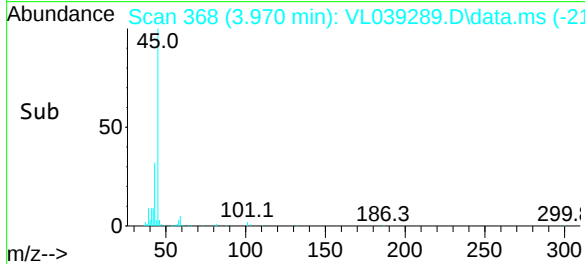
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



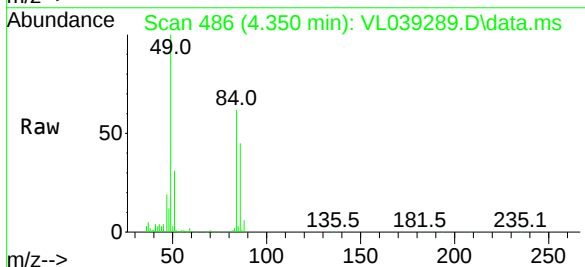
Tgt Ion: 45 Resp: 179740
Ion Ratio Lower Upper
45 100
58 211.6 1.8 2.8

Manual Integrations
APPROVED

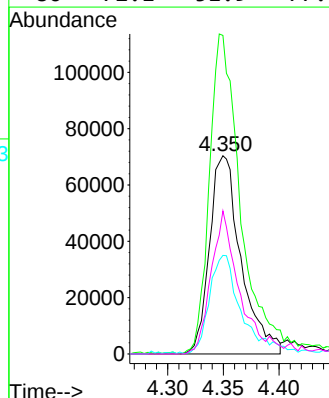
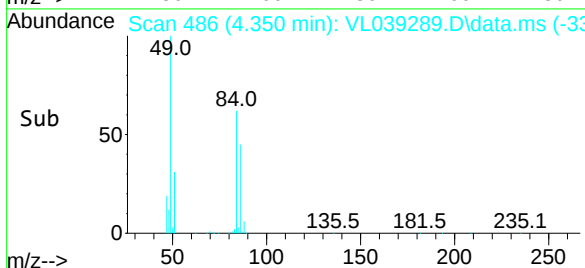
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

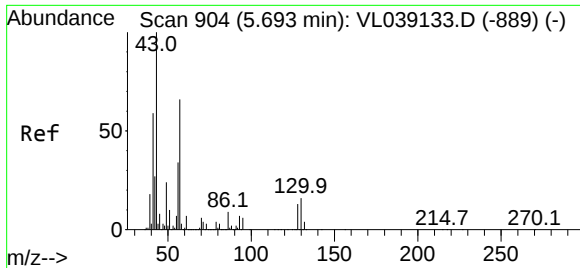


#20
Methylene Chloride
Concen: 2.097 ppbv
RT: 4.350 min Scan# 486
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46



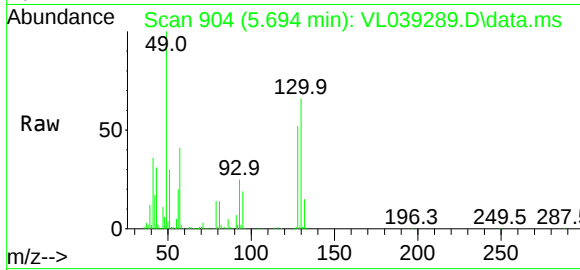
Tgt Ion: 84 Resp: 138456
Ion Ratio Lower Upper
84 100
49 160.7 111.1 166.7
51 48.7 35.3 52.9
86 72.1 51.9 77.9





#26
Hexane
Concen: 1.148 ppbv
RT: 5.694 min Scan# 904
Delta R.T. 0.000 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

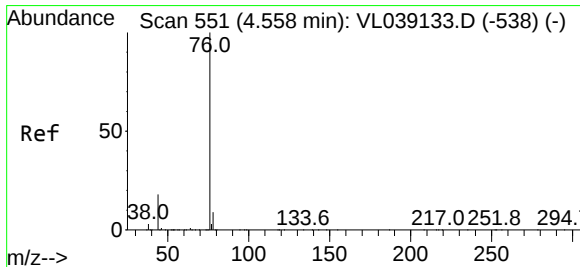
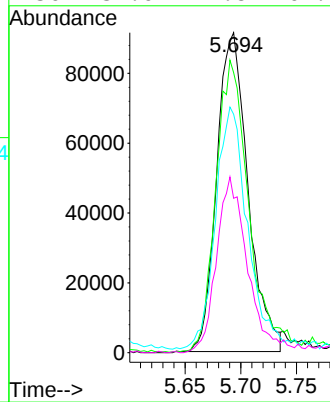
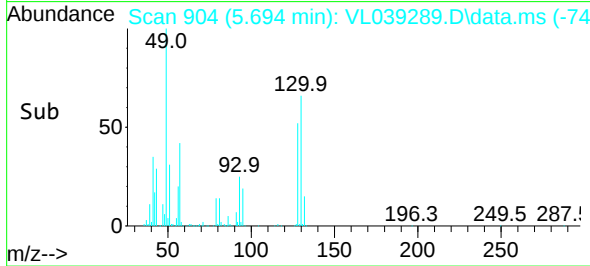
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 57 Resp: 17812
Ion Ratio Lower Upper
57 100
41 100.8 72.4 108.6
43 78.9 187.0 280.6
56 57.6 41.8 62.6

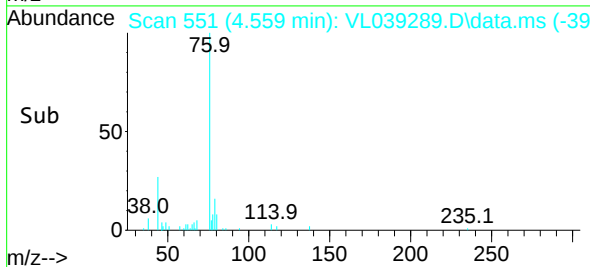
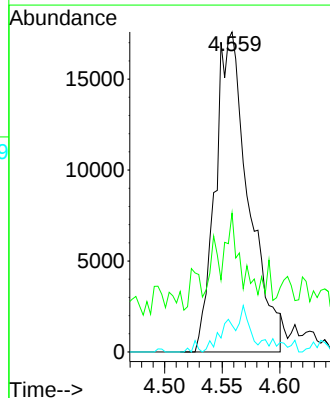
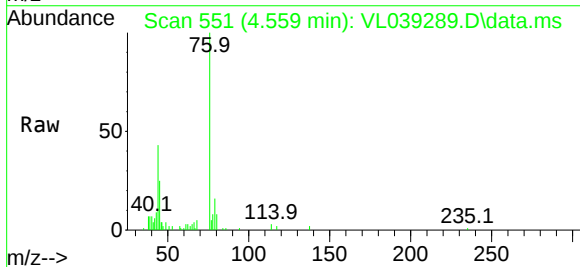
Manual Integrations
APPROVED

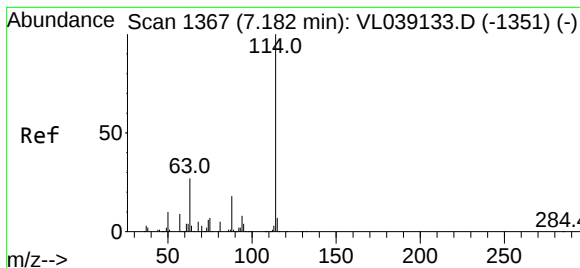
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#27
Carbon Disulfide
Concen: 0.220 ppbv m
RT: 4.559 min Scan# 551
Delta R.T. 0.000 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

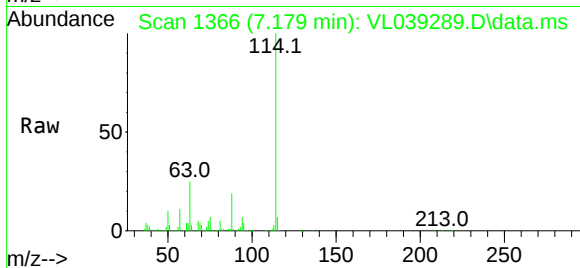
Tgt Ion: 76 Resp: 35367
Ion Ratio Lower Upper
76 100
44 28.0 14.4 21.6#
78 12.5 7.7 11.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

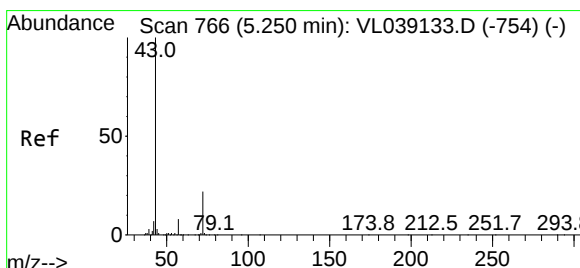
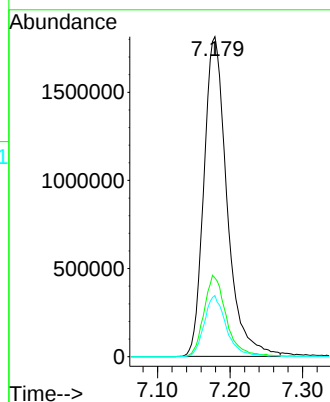
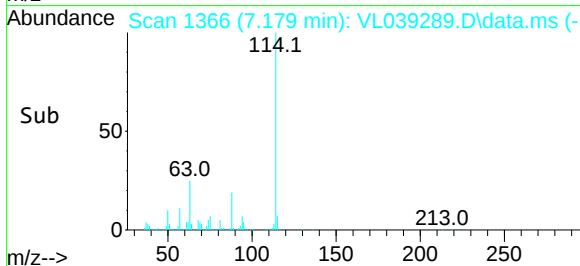
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 114 Resp: 4020454
Ion Ratio Lower Upper
114 100
63 25.1 21.7 32.5
88 18.5 14.8 22.2

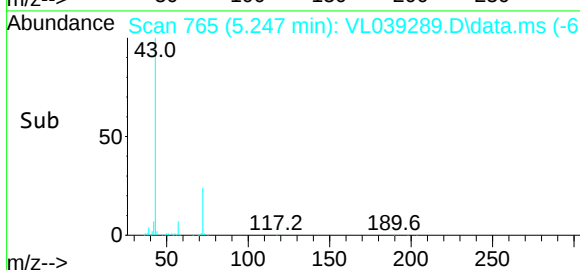
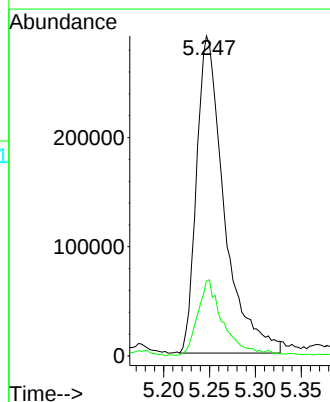
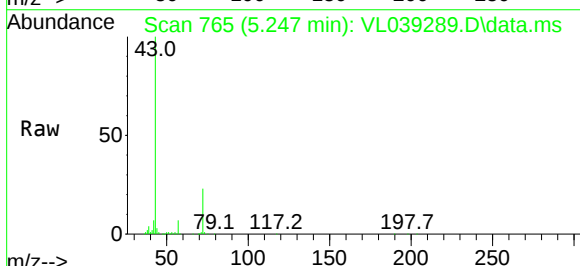
Manual Integrations
APPROVED

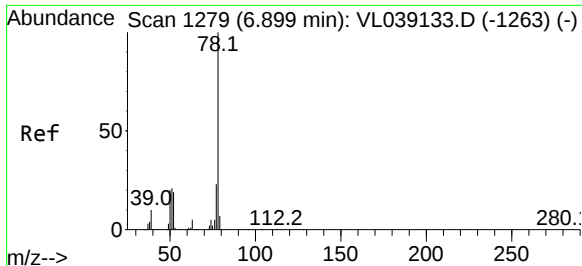
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#34
2-Butanone
Concen: 2.791 ppbv
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

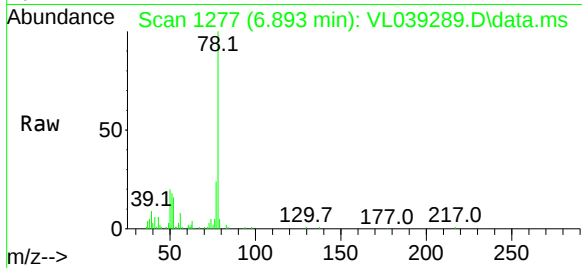
Tgt Ion: 43 Resp: 609626
Ion Ratio Lower Upper
43 100
72 24.0 18.2 27.2





#36
Benzene
Concen: 0.341 ppbv m
RT: 6.893 min Scan# 111394
Delta R.T. -0.006 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

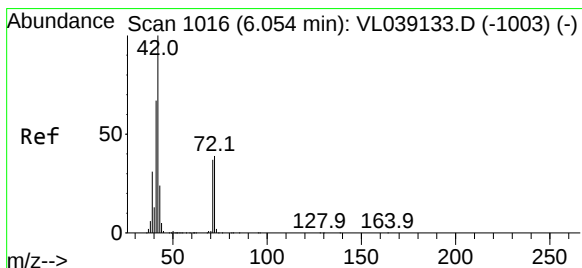
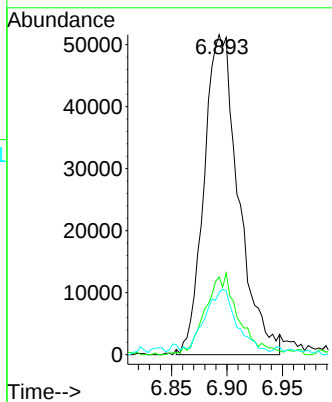
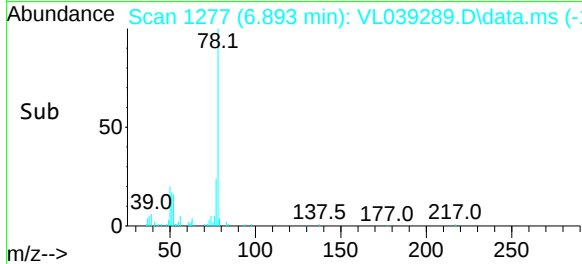
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 78 Resp: 111394
Ion Ratio Lower Upper
78 100
77 24.3 18.6 27.8
50 19.5 15.8 23.8

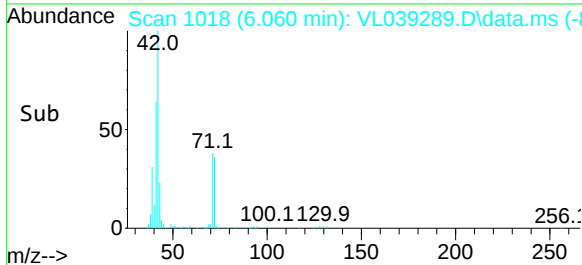
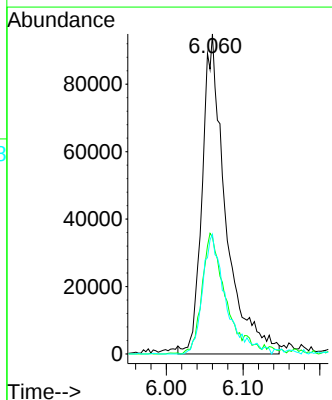
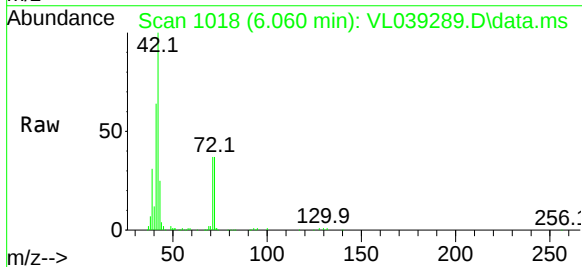
Manual Integrations
APPROVED

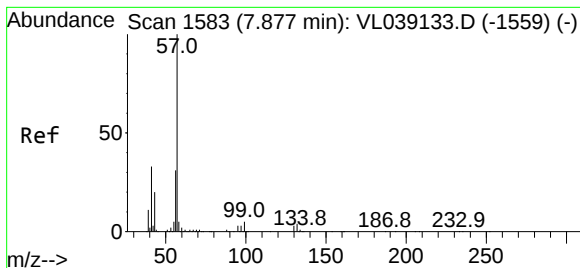
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#41
Tetrahydrofuran
Concen: 1.534 ppbv m
RT: 6.060 min Scan# 1018
Delta R.T. 0.007 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

Tgt Ion: 42 Resp: 201514
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 31.1 46.7#





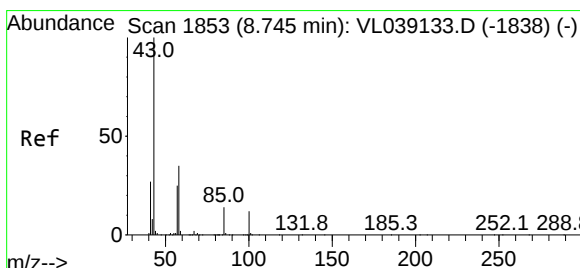
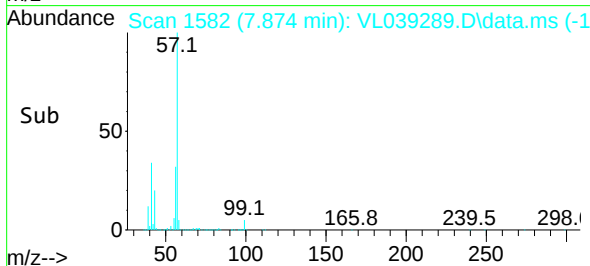
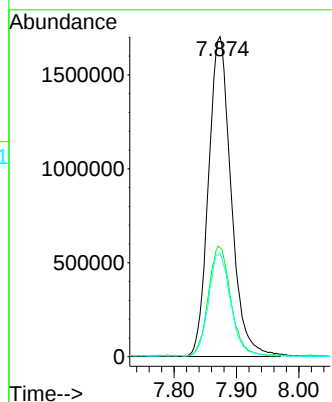
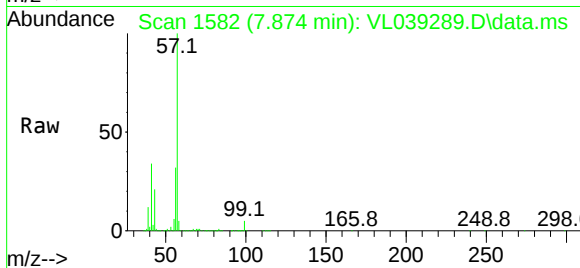
#44
2,2,4-Trimethylpentane
Concen: 7.515 ppbv
RT: 7.874 min Scan# 1582
Delta R.T. -0.003 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 57 Resp: 4290878
Ion Ratio Lower Upper
57 100
41 34.3 26.2 39.4
56 32.2 24.7 37.1

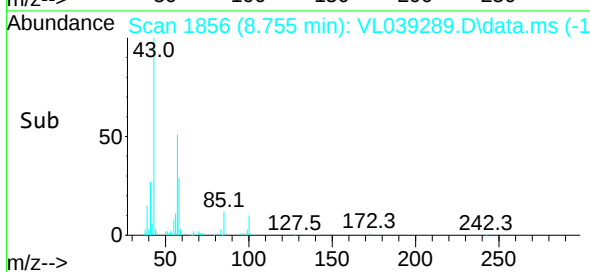
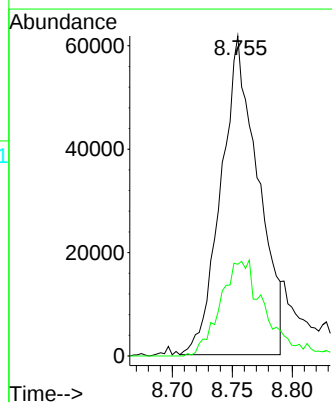
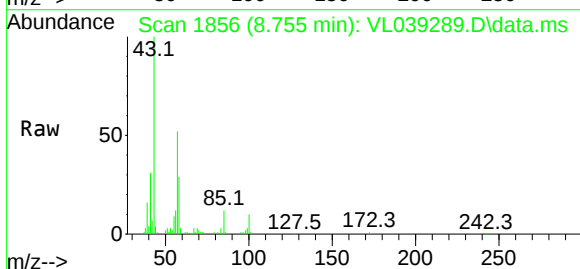
Manual Integrations
APPROVED

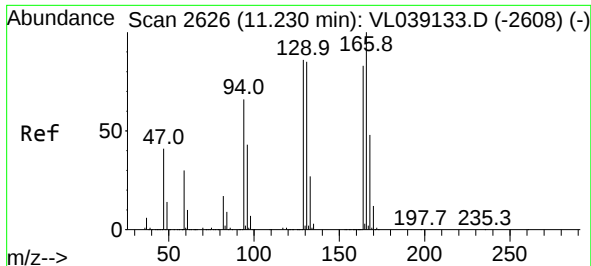
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#50
4-Methyl-2-Pentanone
Concen: 0.406 ppbv
RT: 8.755 min Scan# 1856
Delta R.T. 0.010 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

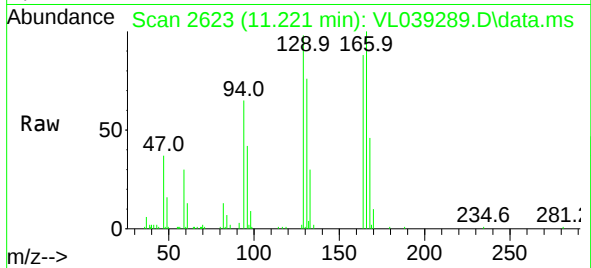
Tgt Ion: 43 Resp: 132675
Ion Ratio Lower Upper
43 100
58 36.6 28.7 43.1





#52
Tetrachloroethene
Concen: 0.439 ppbv m
RT: 11.221 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

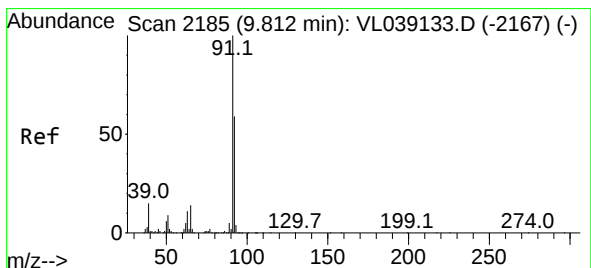
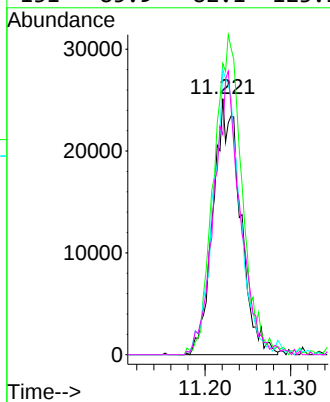
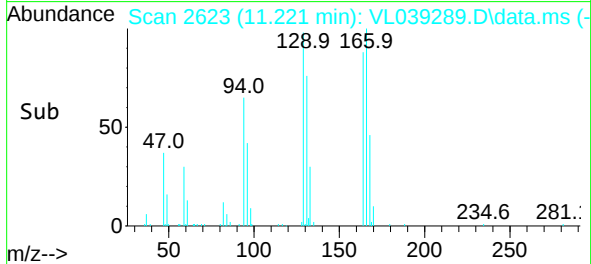
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



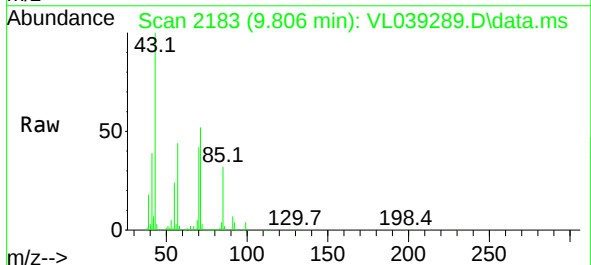
Tgt Ion:164 Resp: 55912
Ion Ratio Lower Upper
164 100
166 113.7 96.3 144.5
129 111.2 82.5 123.7
131 85.9 82.1 123.1

Manual Integrations
APPROVED

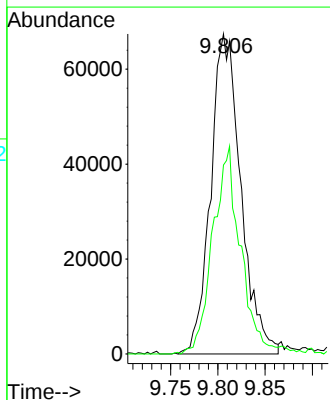
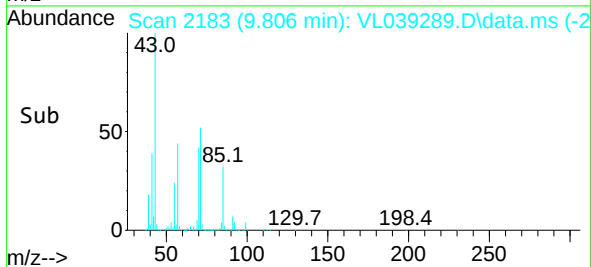
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

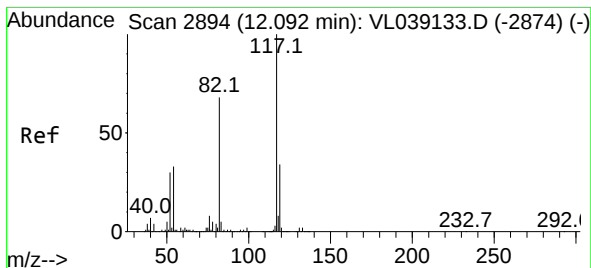


#53
Toluene
Concen: 0.398 ppbv
RT: 9.806 min Scan# 2183
Delta R.T. -0.006 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46



Tgt Ion: 91 Resp: 149544
Ion Ratio Lower Upper
91 100
92 61.2 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.086 min Scan# 2892

Delta R.T. -0.006 min

Lab File: VL039289.D

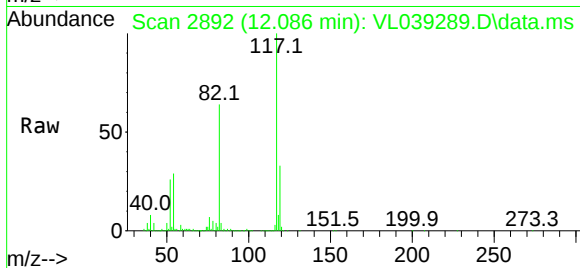
Acq: 14 Jun 2022 20:46

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL



Tgt Ion: 117 Resp: 364227

Ion Ratio Lower Upper

117 100

82 66.7 55.1 82.7

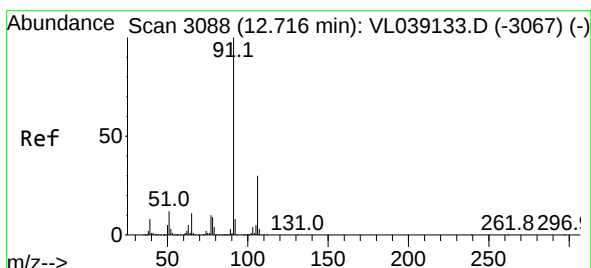
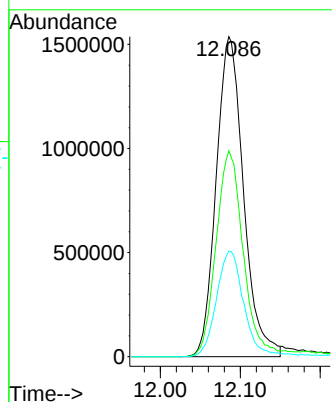
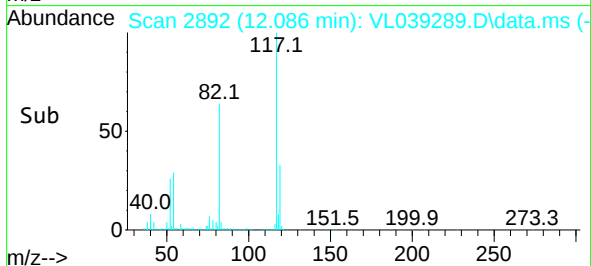
119 33.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#58

Ethyl Benzene

Concen: 0.127 ppbv m

RT: 12.709 min Scan# 3086

Delta R.T. -0.006 min

Lab File: VL039289.D

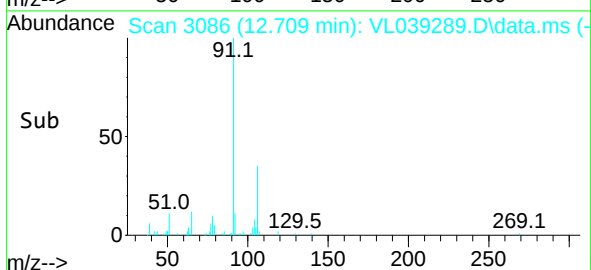
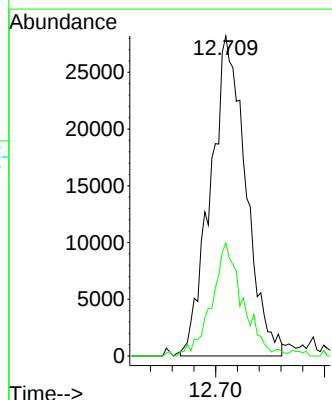
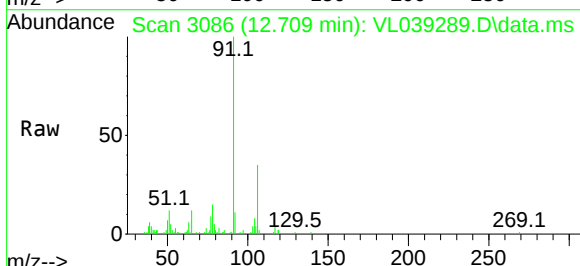
Acq: 14 Jun 2022 20:46

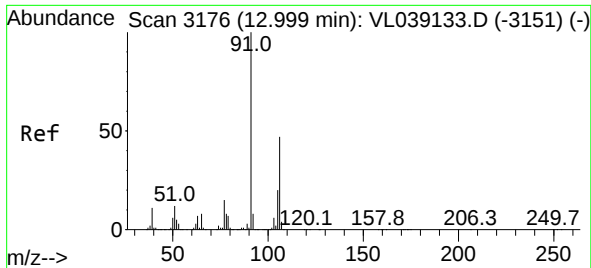
Tgt Ion: 91 Resp: 63799

Ion Ratio Lower Upper

91 100

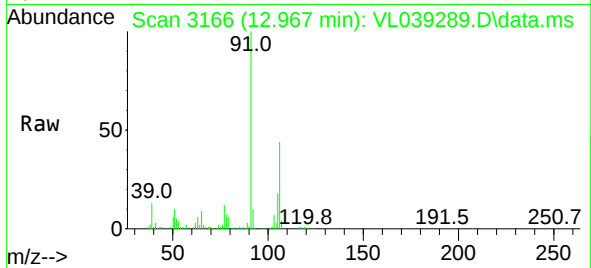
106 35.4 24.2 36.4





#59
m/p-Xylene
Concen: 0.682 ppbv m
RT: 12.967 min Scan# 3116
Delta R.T. -0.032 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

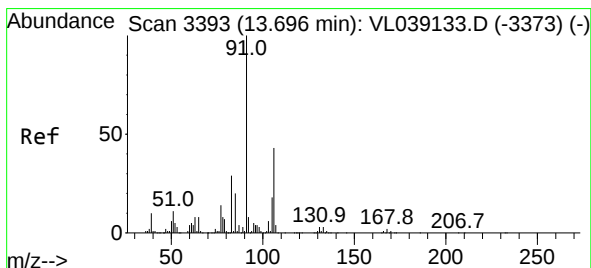
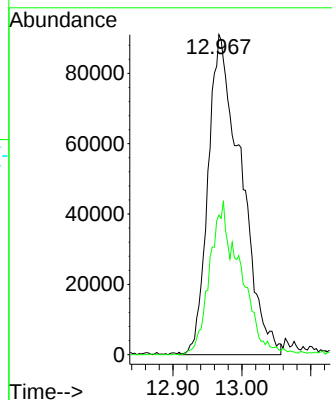
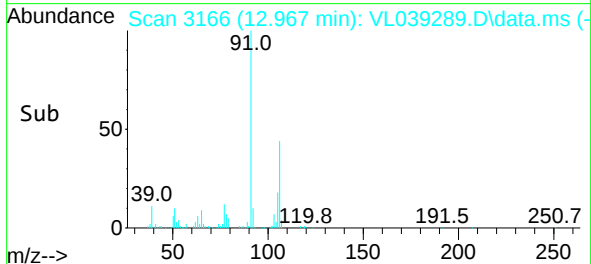
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 91 Resp: 301492
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

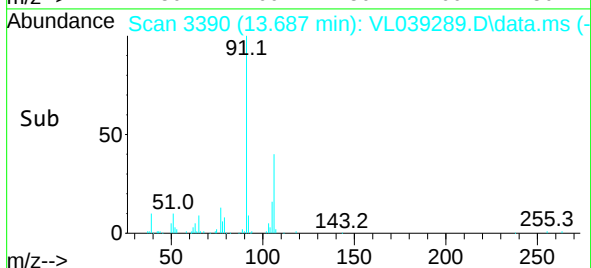
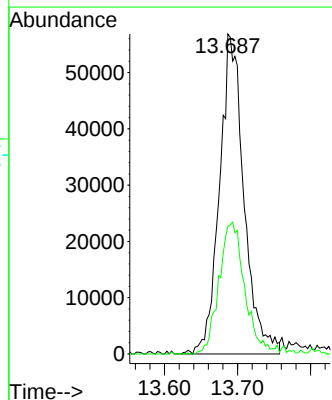
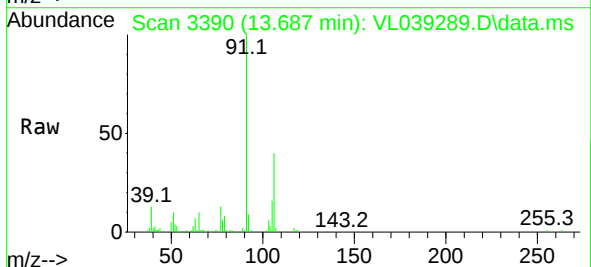
Manual Integrations
APPROVED

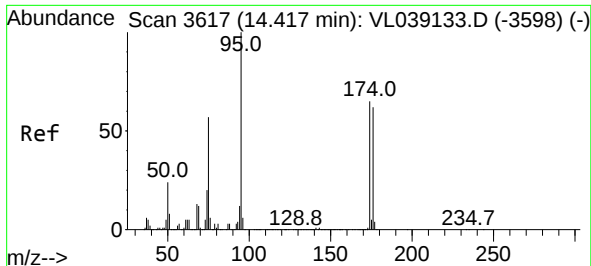
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#60
o-Xylene
Concen: 0.319 ppbv m
RT: 13.687 min Scan# 3390
Delta R.T. -0.010 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

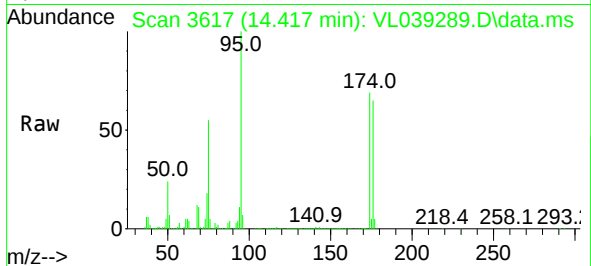
Tgt Ion: 91 Resp: 132393
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.168 ppbv
RT: 14.417 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46

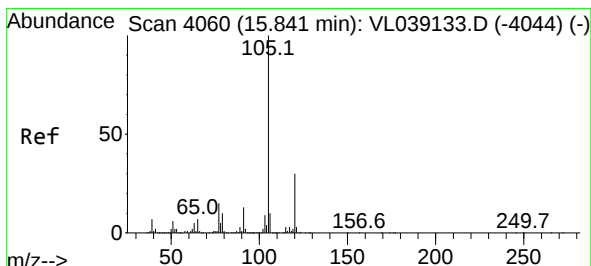
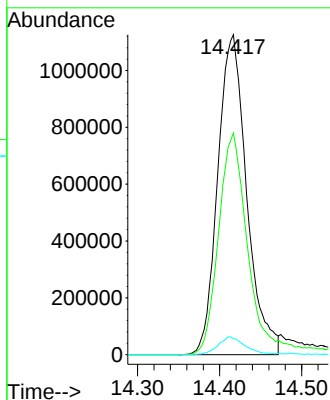
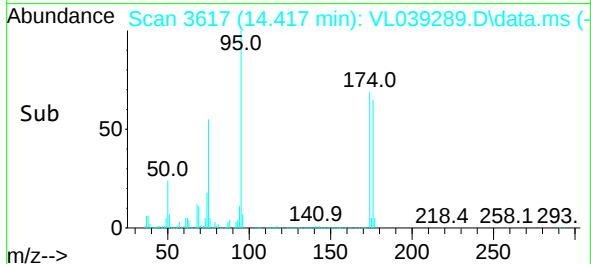
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



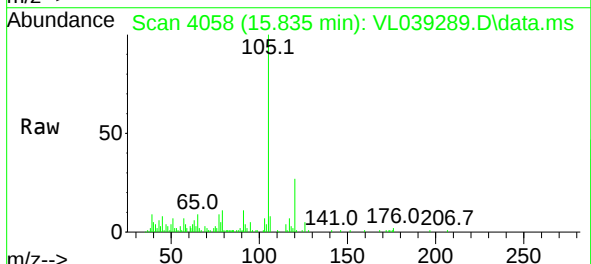
Tgt Ion: 95 Resp: 2760590
Ion Ratio Lower Upper
95 100
174 73.7 53.8 80.8
175 5.3 4.1 6.1

Manual Integrations
APPROVED

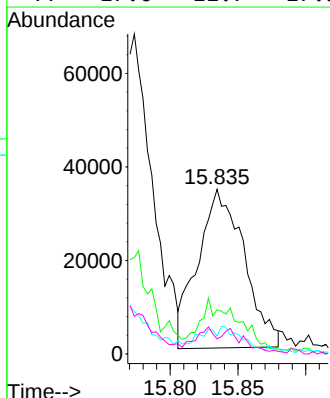
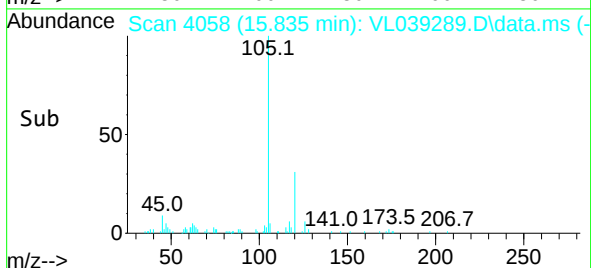
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

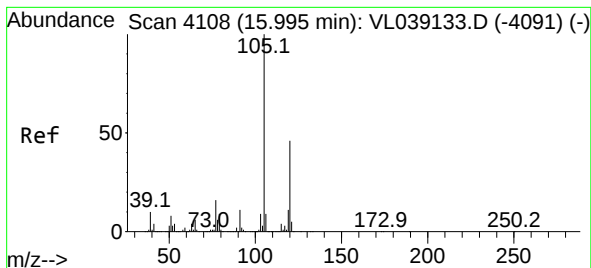


#72
4-Ethyltoluene
Concen: 0.165 ppbv
RT: 15.835 min Scan# 4058
Delta R.T. -0.006 min
Lab File: VL039289.D
Acq: 14 Jun 2022 20:46



Tgt Ion:105 Resp: 80476
Ion Ratio Lower Upper
105 100
120 32.2 23.9 35.9
91 14.8 10.6 16.0
77 17.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.175 ppbv m

RT: 15.999 min Scan# 4109

Delta R.T. 0.003 min

Lab File: VL039289.D

Acq: 14 Jun 2022 20:46

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tgt Ion:105 Resp: 76689

Ion Ratio Lower Upper

105 100

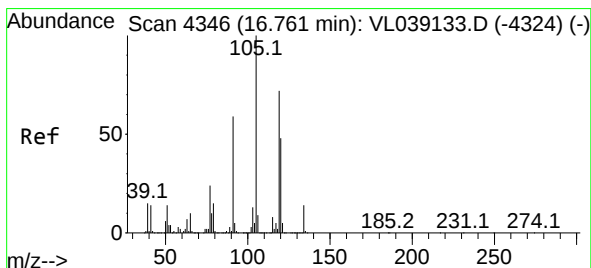
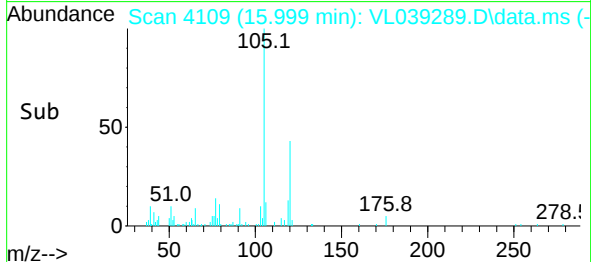
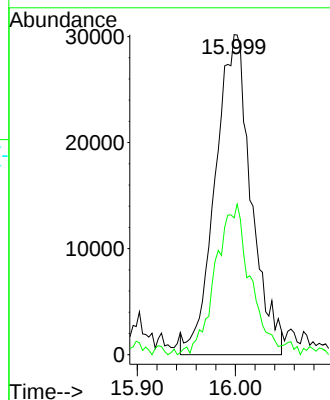
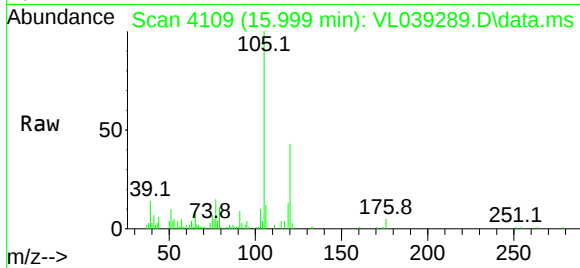
120 42.8 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.526 ppbv

RT: 16.761 min Scan# 4346

Delta R.T. 0.000 min

Lab File: VL039289.D

Acq: 14 Jun 2022 20:46

Tgt Ion:105 Resp: 257438

Ion Ratio Lower Upper

105 100

120 40.7 38.1 57.1

91 11.6 47.4 71.0#

77 11.0 19.5 29.3#

