

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039256.D
 Acq On : 13 Jun 2022 17:52
 Operator : SY/AP
 Sample : N3330-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-IAZ

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:32:54 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 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	5.674	49	1222475	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2640393	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2247105	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	2041686	10.990	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	52658	0.245	ppbv	96
3) Chlorodifluoromethane	2.996	51	3562840	22.906	ppbv	99
4) Chloromethane	3.150	50	45730	0.572	ppbv	98
9) Propene	3.028	41	55083	0.812	ppbv	94
10) Heptane	8.131	43	21549m	0.136	ppbv	
11) Trichlorofluoromethane	3.960	101	57379	0.295	ppbv #	74
13) Ethanol	3.610	45	10632917	2874.692	ppbv #	100
15) Acetone	3.851	43	2019607	15.860	ppbv	98
19) Isopropyl Alcohol	3.980	45	677343	11.341	ppbv #	97
20) Methylene Chloride	4.349	84	816420	15.214	ppbv	96
25) Ethyl Acetate	5.674	43	3272887	11.403	ppbv	98
29) Chloroform	5.758	83	41557m	0.196	ppbv	
34) 2-Butanone	5.250	43	191701	1.336	ppbv	95
35) Carbon Tetrachloride	7.028	117	19827m	0.103	ppbv	
36) Benzene	6.893	78	62245m	0.290	ppbv	
44) 2,2,4-Trimethylpentane	7.877	57	43939m	0.117	ppbv	
52) Tetrachloroethene	11.233	164	33079m	0.395	ppbv	
53) Toluene	9.812	91	146668	0.594	ppbv	95
58) Ethyl Benzene	12.716	91	37751m	0.122	ppbv	
59) m/p-Xylene	12.970	91	127032m	0.466	ppbv	
60) o-Xylene	13.693	91	54798m	0.214	ppbv	
61) Styrene	13.536	104	17566m	0.128	ppbv	
69) p-Isopropyltoluene	17.651	119	55545m	0.139	ppbv	
72) 4-Ethyltoluene	15.844	105	45644m	0.152	ppbv	
73) 1,3,5-Trimethylbenzene	15.999	105	58809m	0.217	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	167342m	0.554	ppbv	

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

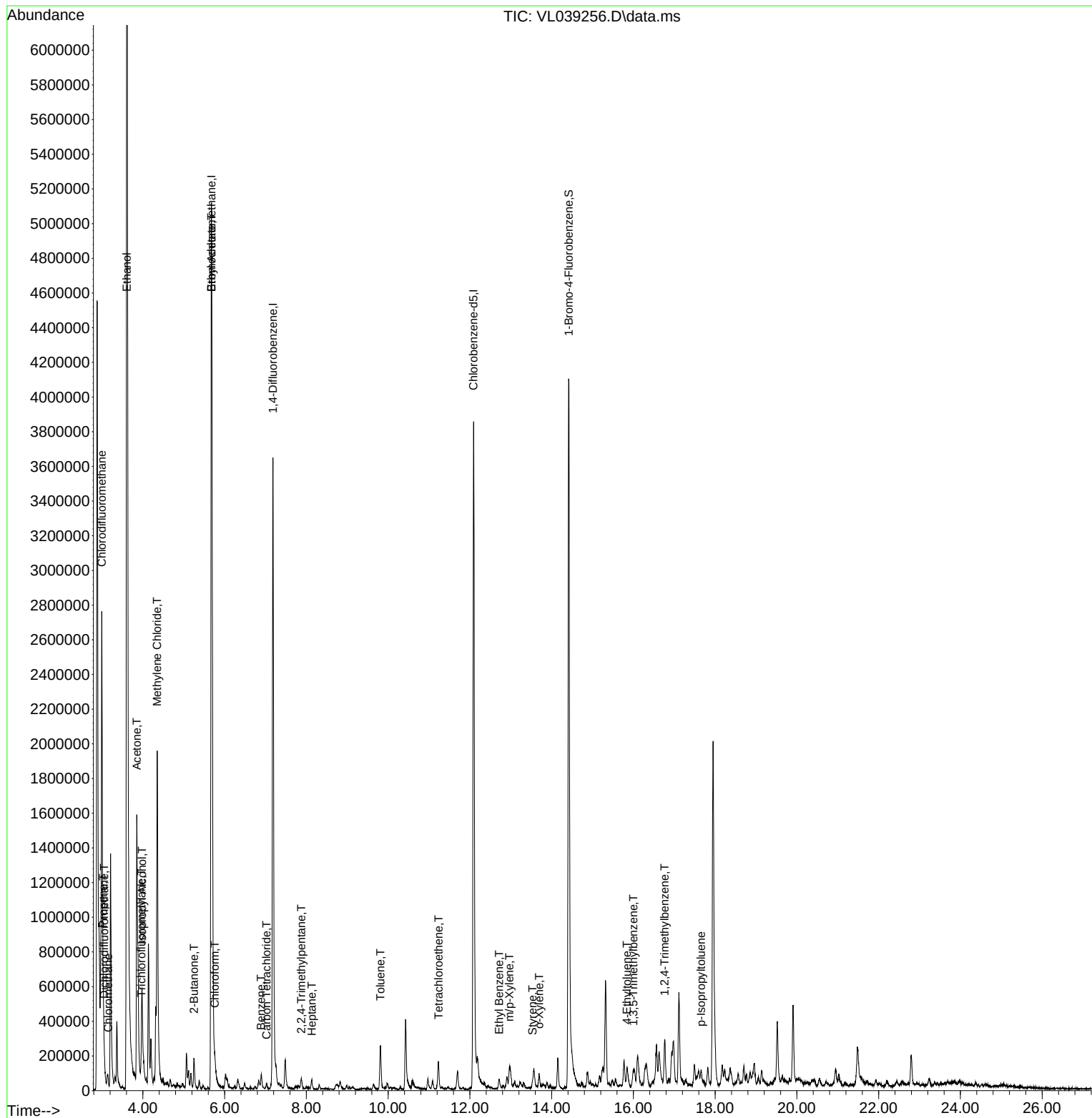
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
Data File : VL039256.D
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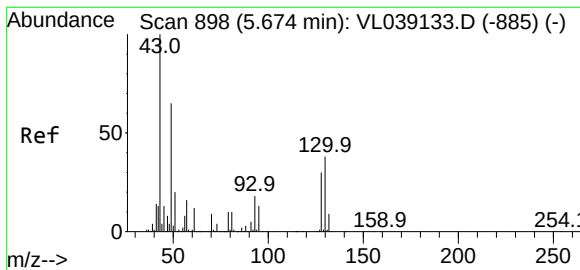
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ

Quant Time: Jun 14 01:32:54 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

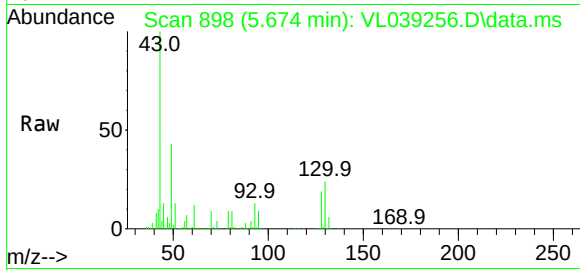
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 898
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

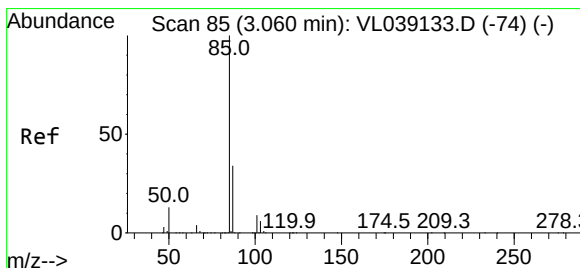
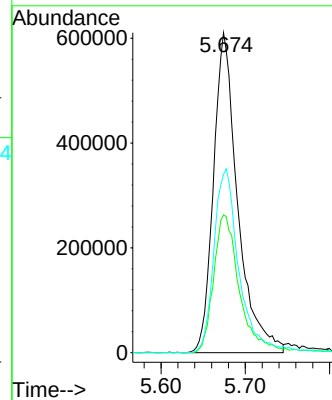
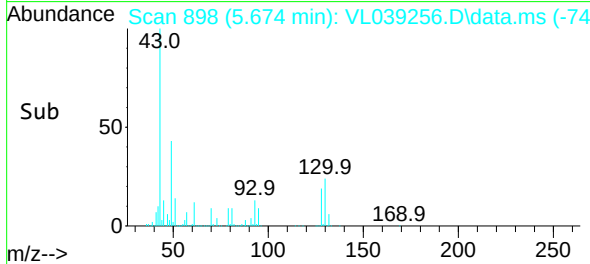
Instrument :
MSVOA_L
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OTC-IAZ



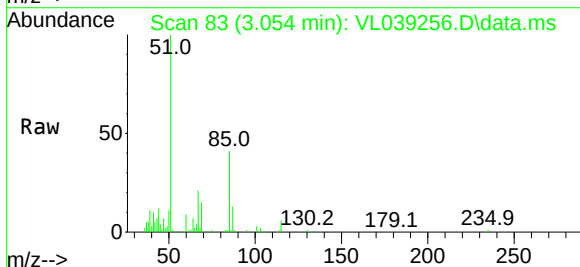
Tgt Ion: 49 Resp: 1222479
Ion Ratio Lower Upper
49 100
128 46.9 24.7 74.1
130 60.1 31.4 94.0

Manual Integrations
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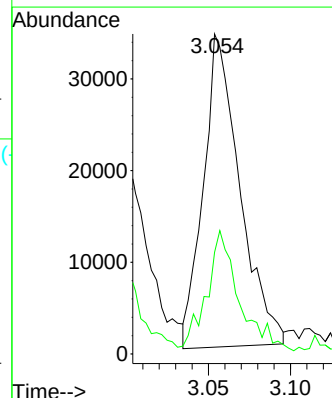
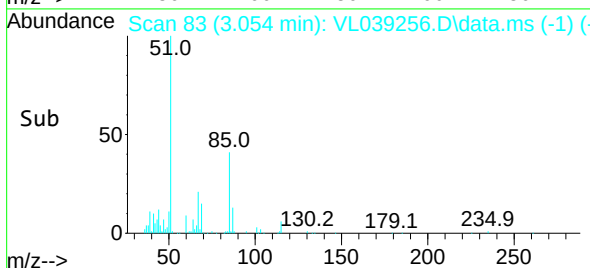
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

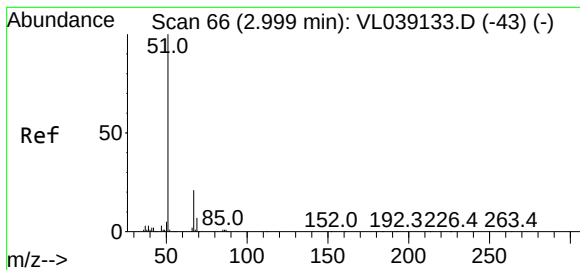


#2
Dichlorodifluoromethane
Concen: 0.245 ppbv
RT: 3.054 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



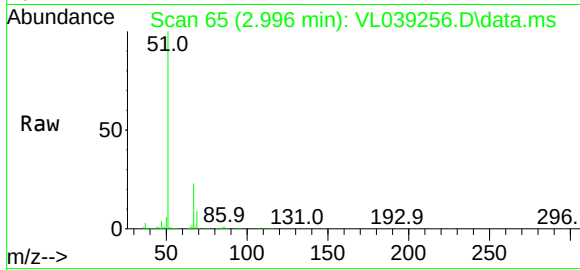
Tgt Ion: 85 Resp: 52658
Ion Ratio Lower Upper
85 100
87 31.4 26.9 40.3





#3
Chlorodifluoromethane
Concen: 22.906 ppbv
RT: 2.996 min Scan# 66
Delta R.T. -0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

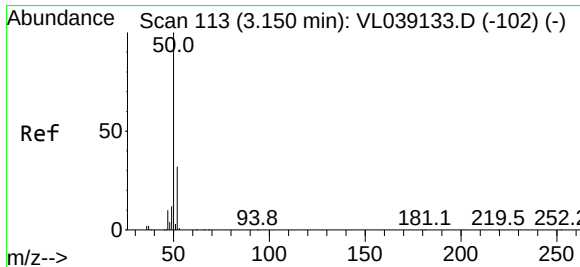
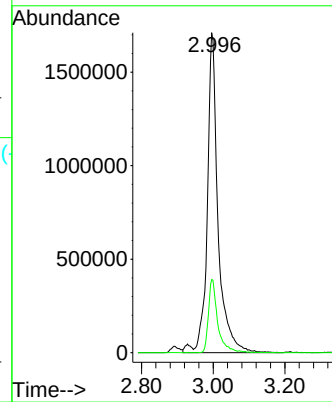
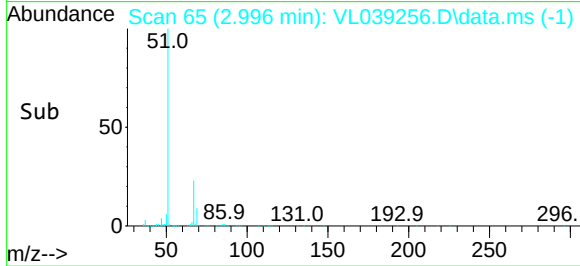
Instrument :
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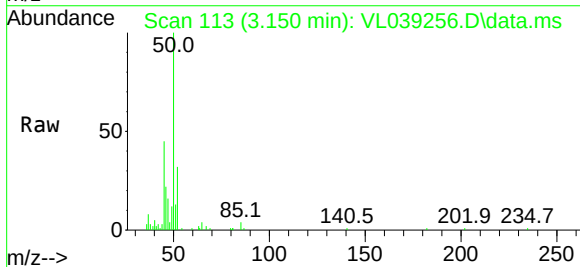
Tgt Ion: 51 Resp: 3562840
Ion Ratio Lower Upper
51 100
67 19.9 16.2 24.4

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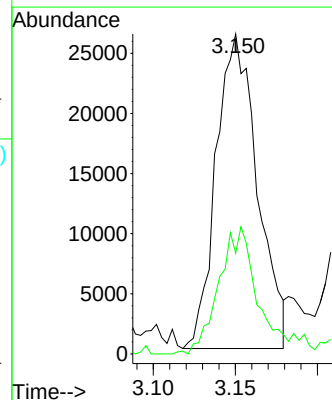
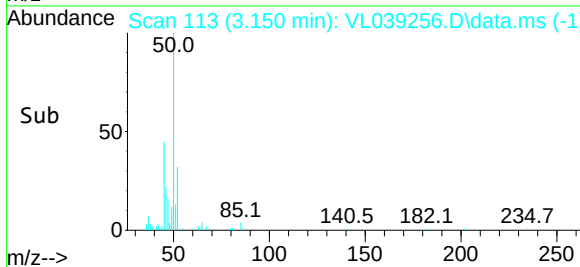
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

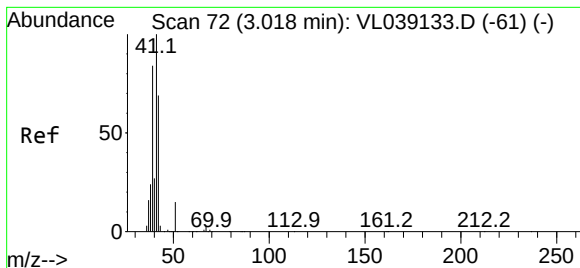


#4
Chloromethane
Concen: 0.572 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



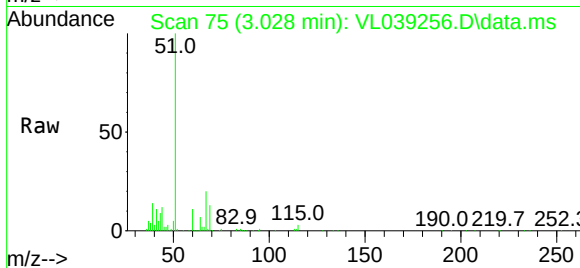
Tgt Ion: 50 Resp: 45730
Ion Ratio Lower Upper
50 100
52 31.1 25.9 38.9





#9
 Propene
 Concen: 0.812 ppbv
 RT: 3.028 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL039256.D
 Acq: 13 Jun 2022 17:52

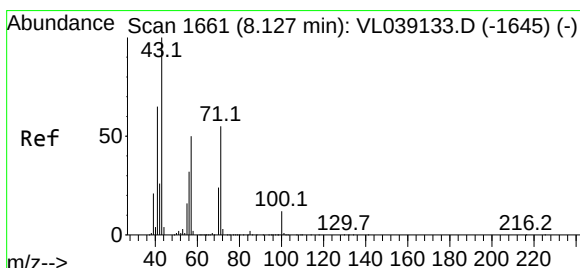
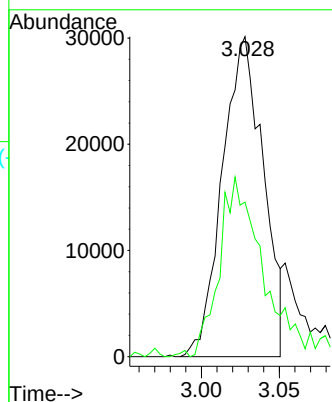
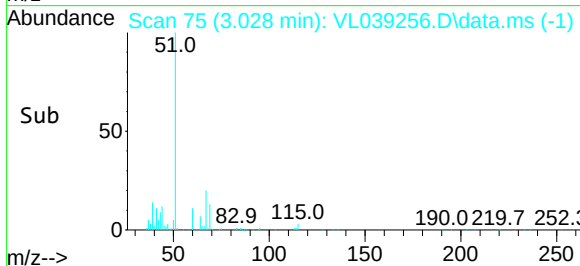
Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-IAZ



Tgt Ion: 41 Resp: 5508
 Ion Ratio Lower Upper
 41 100
 42 64.6 55.4 83.2

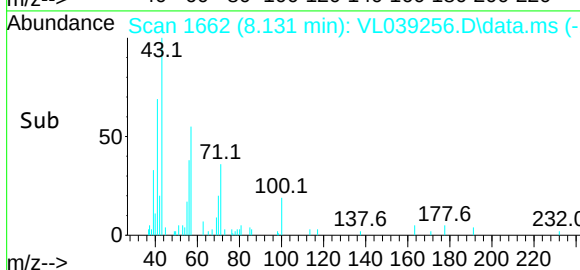
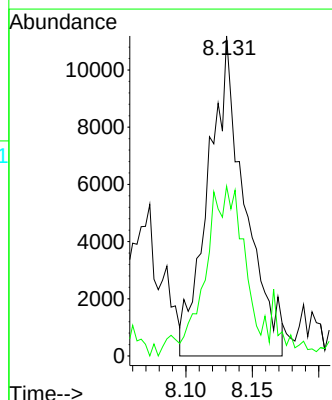
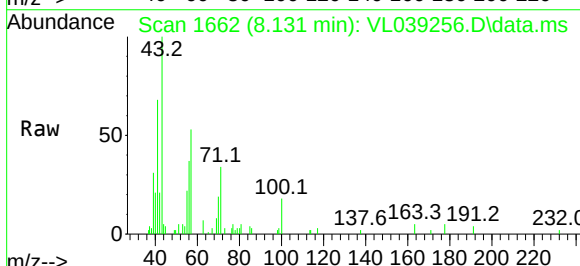
Manual Integrations
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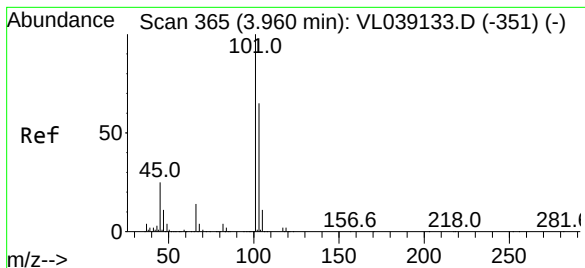
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#10
 Heptane
 Concen: 0.136 ppbv m
 RT: 8.131 min Scan# 1662
 Delta R.T. 0.003 min
 Lab File: VL039256.D
 Acq: 13 Jun 2022 17:52

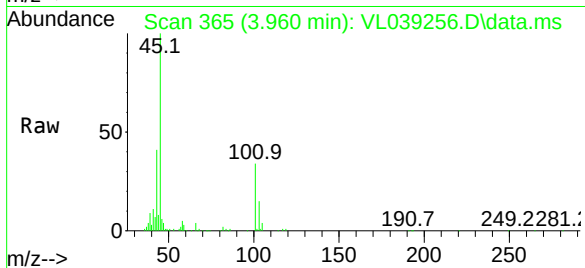
Tgt Ion: 43 Resp: 21549
 Ion Ratio Lower Upper
 43 100
 57 66.0 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 0.295 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

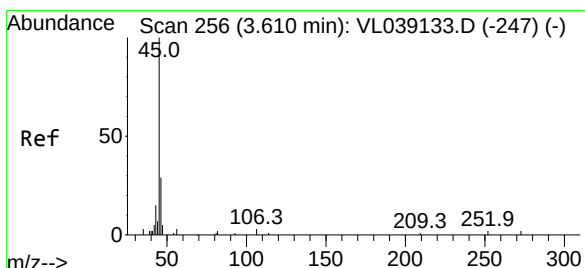
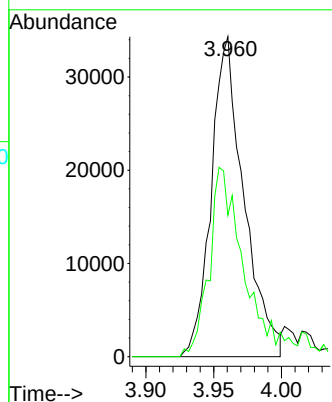
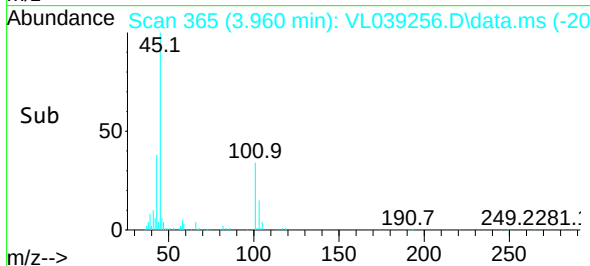
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ



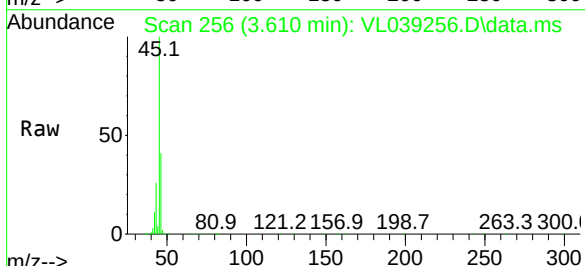
Tgt Ion:101 Resp: 57379
Ion Ratio Lower Upper
101 100
103 44.2 51.7 77.5

Manual Integrations
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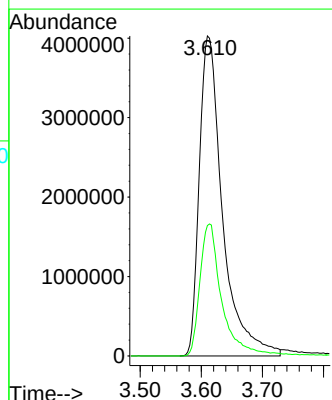
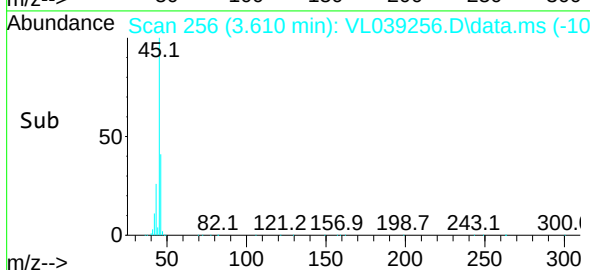
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

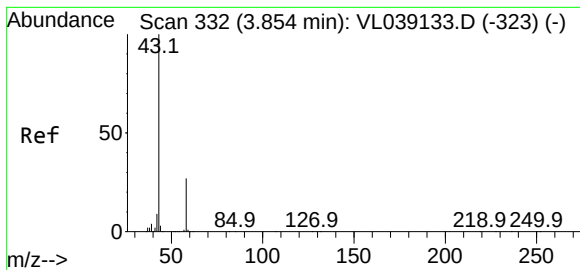


#13
Ethanol
Concen: 2874.692 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



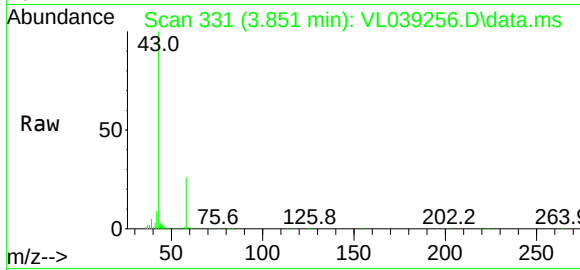
Tgt Ion: 45 Resp:10632917
Ion Ratio Lower Upper
45 100
46 39.9 0.0 0.0





#15
Acetone
Concen: 15.860 ppbv
RT: 3.851 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

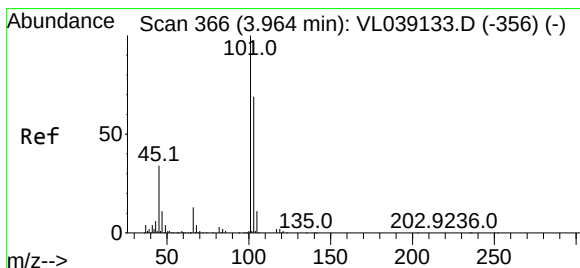
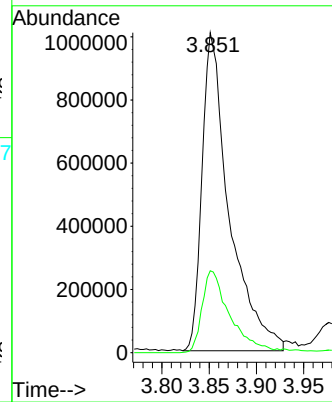
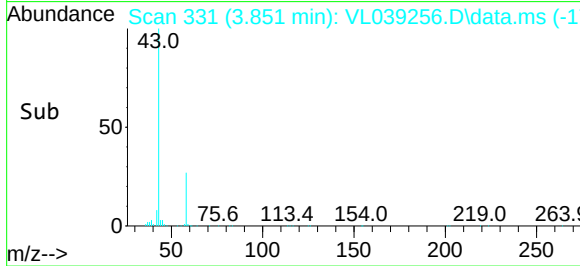
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ



Tgt Ion: 43 Resp: 201960
Ion Ratio Lower Upper
43 100
58 27.2 22.5 33.7

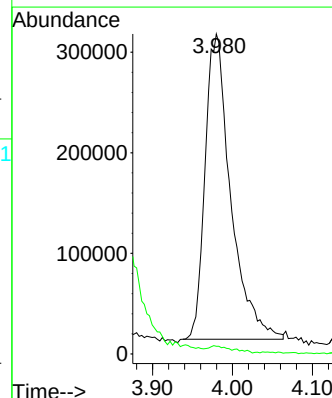
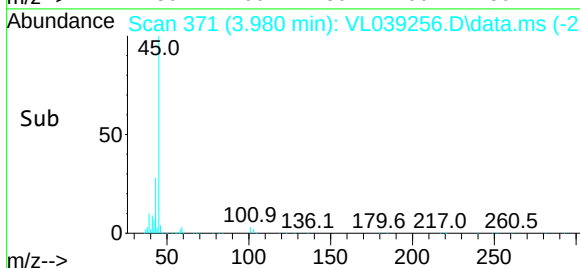
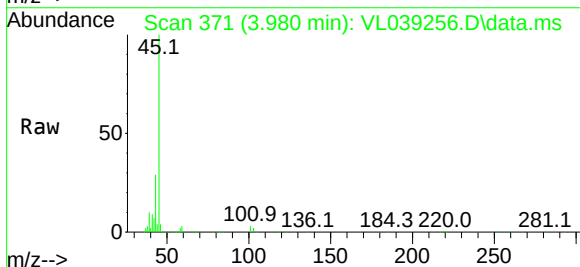
Manual Integrations
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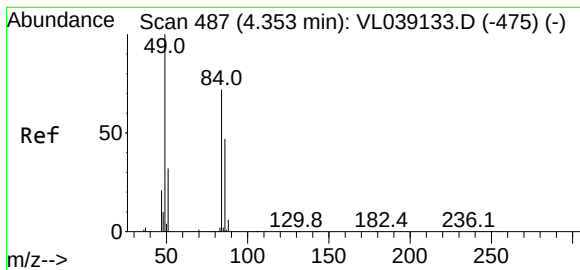
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#19
Isopropyl Alcohol
Concen: 11.341 ppbv
RT: 3.980 min Scan# 371
Delta R.T. 0.016 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

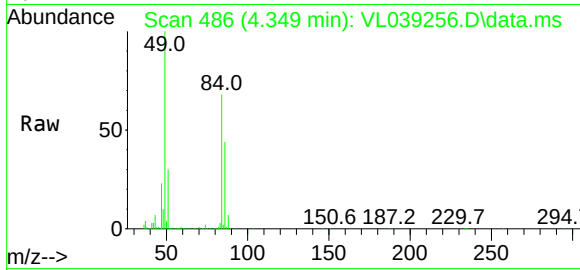
Tgt Ion: 45 Resp: 677343
Ion Ratio Lower Upper
45 100
58 3.2 1.8 2.8#





#20
Methylene Chloride
Concen: 15.214 ppbv
RT: 4.349 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

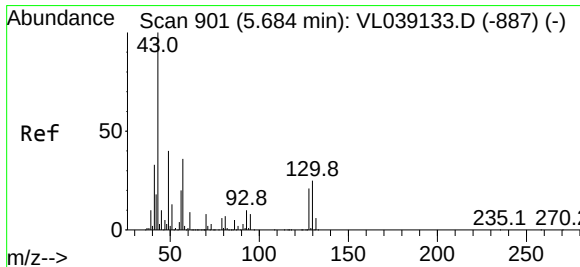
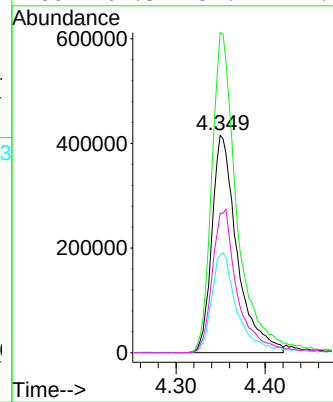
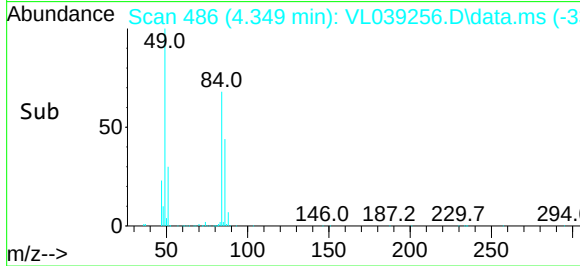
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OTC-IAZ



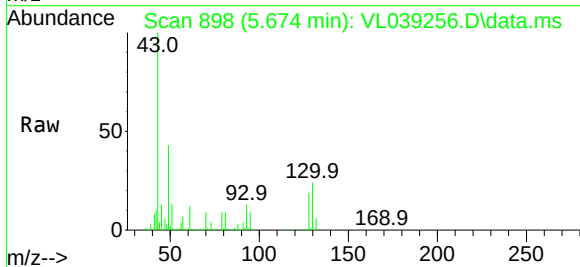
Tgt Ion: 84 Resp: 816420
Ion Ratio Lower Upper
84 100
49 147.3 111.1 166.7
51 44.8 35.3 52.9
86 64.3 51.9 77.9

Manual Integrations
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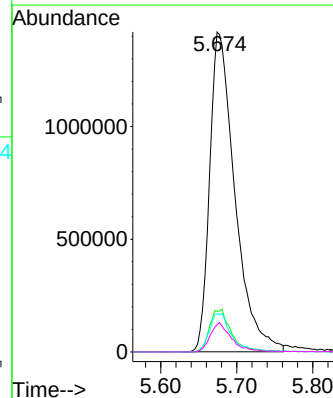
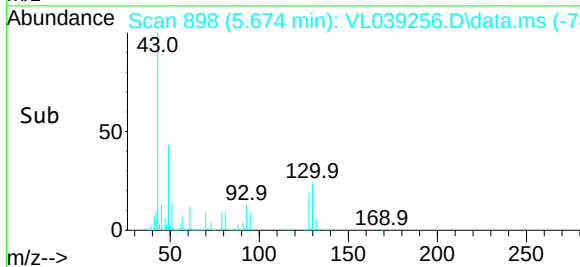
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

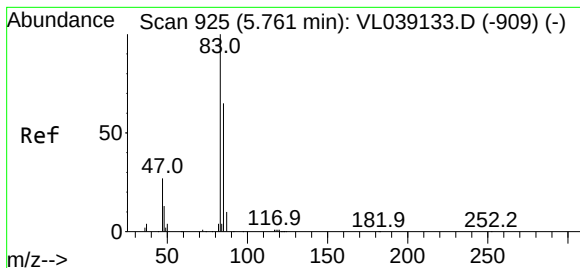


#25
Ethyl Acetate
Concen: 11.403 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



Tgt Ion: 43 Resp: 3272887
Ion Ratio Lower Upper
43 100
45 11.8 8.2 12.2
61 10.8 8.4 12.6
70 7.8 5.6 8.4





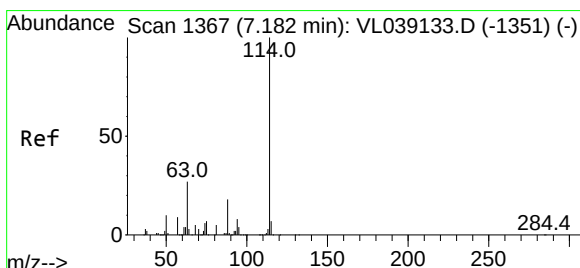
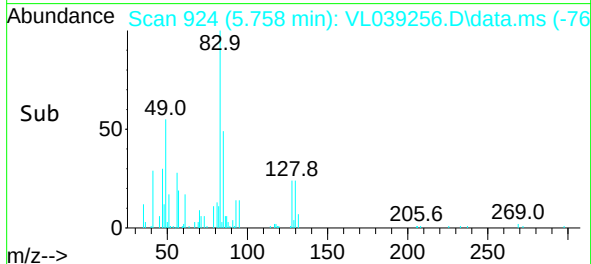
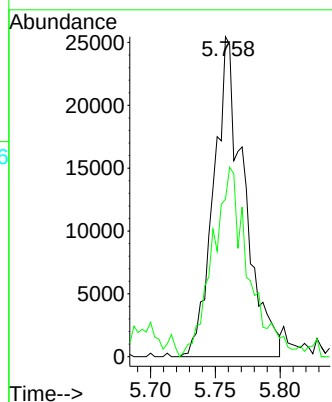
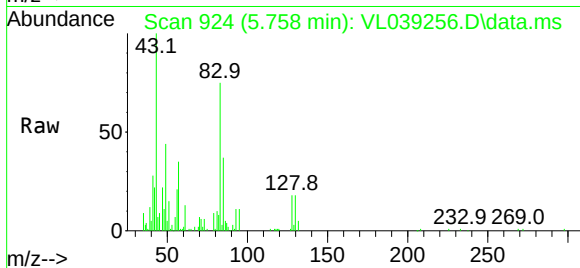
#29
Chloroform
Concen: 0.196 ppbv m
RT: 5.758 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ

Tgt Ion: 83 Resp: 4155
Ion Ratio Lower Upper
83 100
85 49.2 52.4 78.6

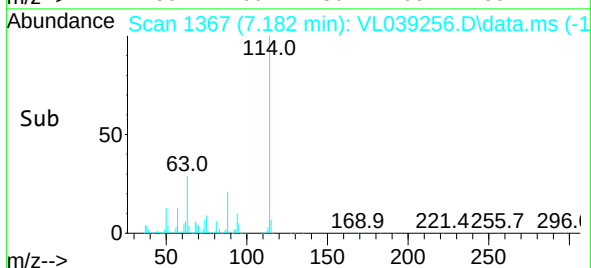
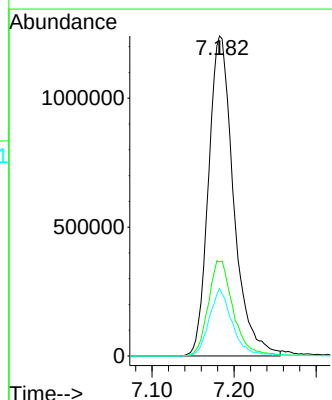
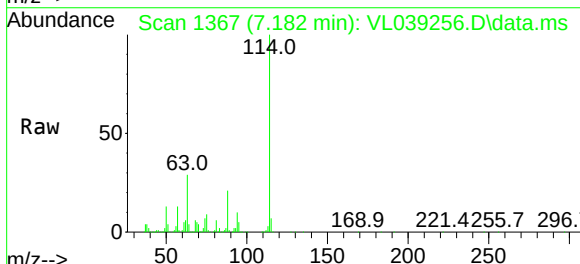
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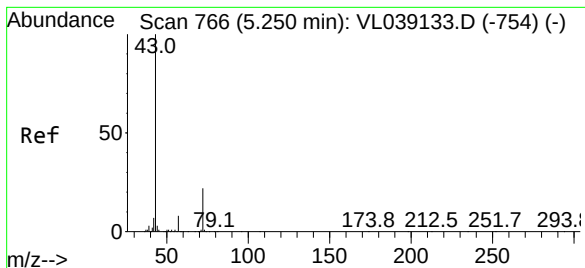
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

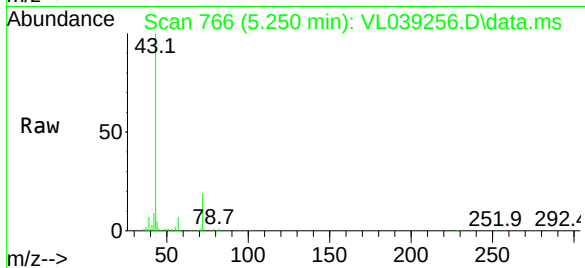
Tgt Ion:114 Resp: 2640393
Ion Ratio Lower Upper
114 100
63 29.9 21.7 32.5
88 19.5 14.8 22.2





#34
2-Butanone
Concen: 1.336 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

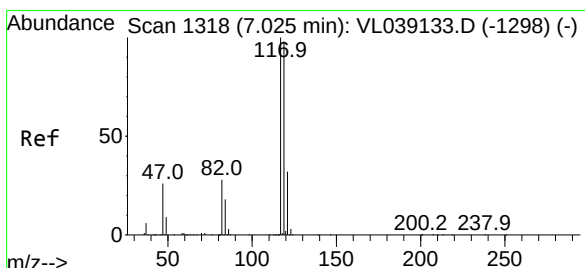
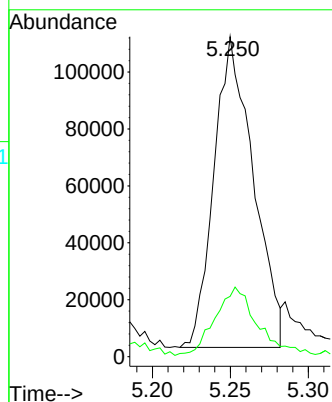
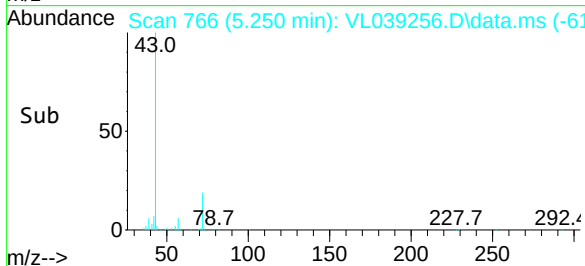
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ



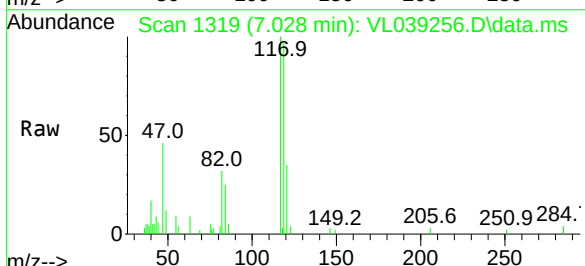
Tgt Ion: 43 Resp: 19170
Ion Ratio Lower Upper
43 100
72 25.3 18.2 27.2

Manual Integrations
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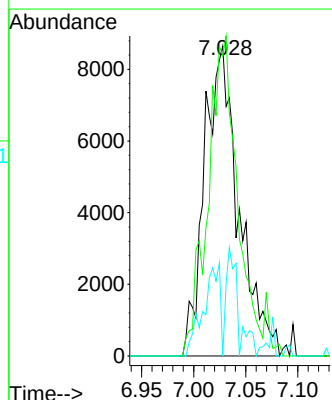
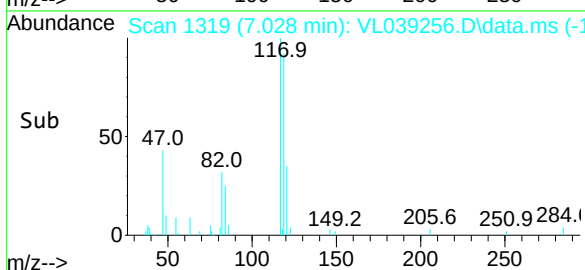
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

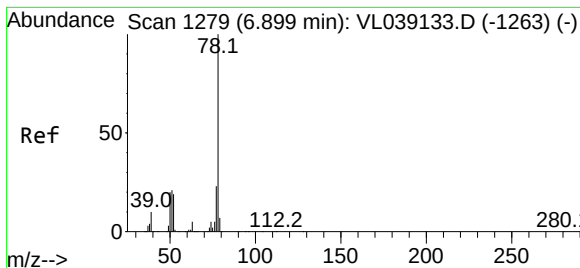


#35
Carbon Tetrachloride
Concen: 0.103 ppbv m
RT: 7.028 min Scan# 1319
Delta R.T. 0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



Tgt Ion:117 Resp: 19827
Ion Ratio Lower Upper
117 100
119 96.7 78.6 118.0
121 0.0 25.4 38.0#





#36

Benzene

Concen: 0.290 ppbv m

RT: 6.893 min Scan# 1279

Delta R.T. -0.006 min

Lab File: VL039256.D

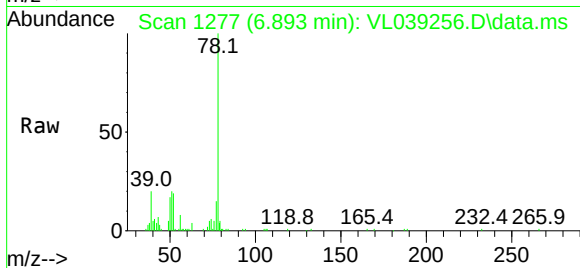
Acq: 13 Jun 2022 17:52

Instrument :

MSVOA_L

ClientSampleId :

OTC-IAZ



Tgt Ion: 78 Resp: 6224

Ion Ratio Lower Upper

78 100

77 15.2 18.6 27.8

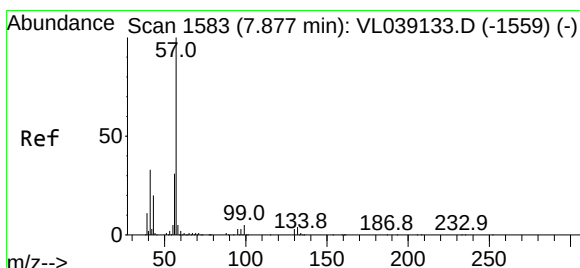
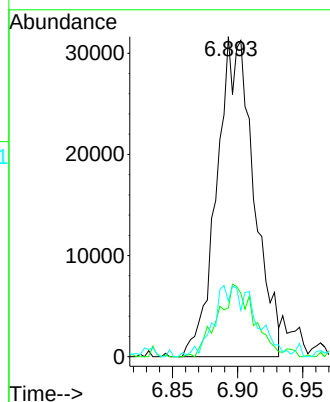
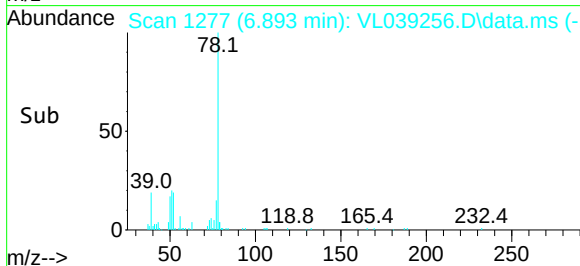
50 17.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#44

2,2,4-Trimethylpentane

Concen: 0.117 ppbv m

RT: 7.877 min Scan# 1583

Delta R.T. 0.000 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

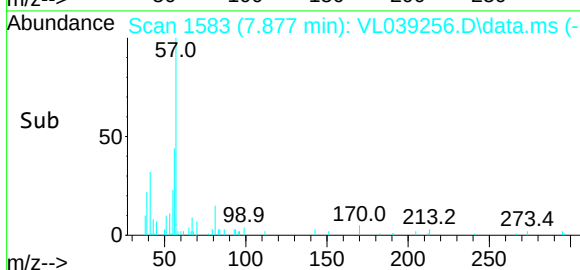
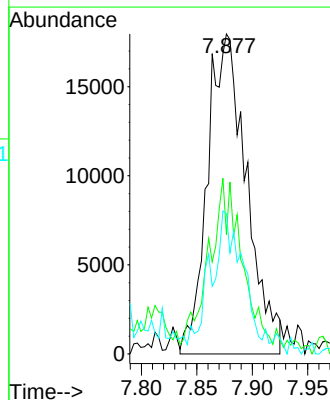
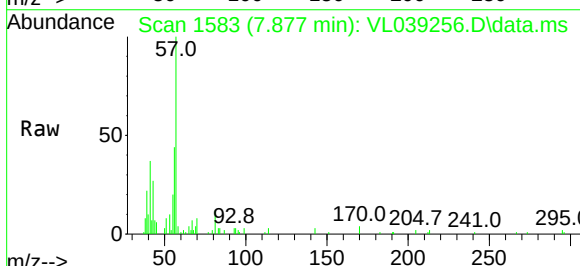
Tgt Ion: 57 Resp: 43939

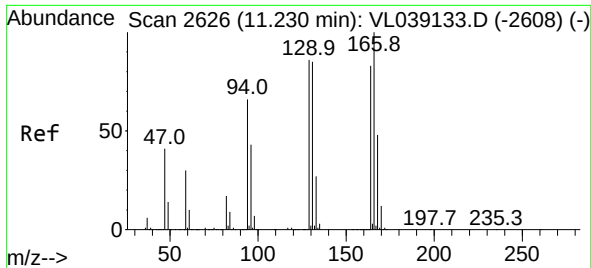
Ion Ratio Lower Upper

57 100

41 51.5 26.2 39.4

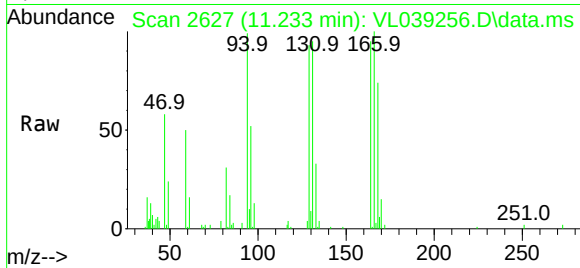
56 41.1 24.7 37.1





#52
Tetrachloroethene
Concen: 0.395 ppbv m
RT: 11.233 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

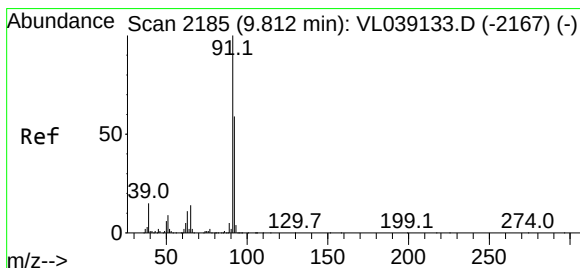
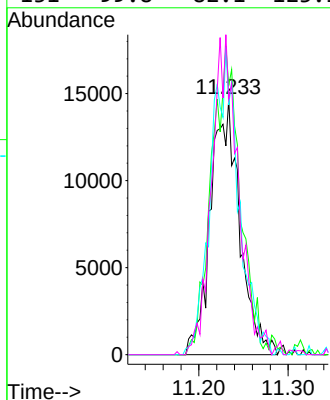
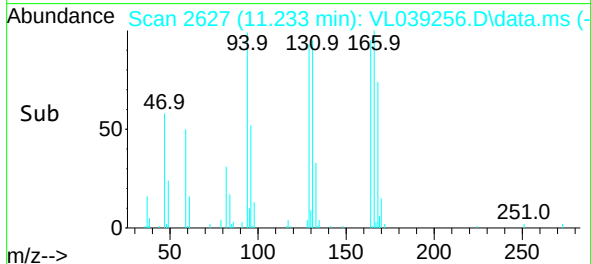
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ



Tgt Ion:164 Resp: 33079
Ion Ratio Lower Upper
164 100
166 105.2 96.3 144.5
129 97.5 82.5 123.7
131 99.8 82.1 123.1

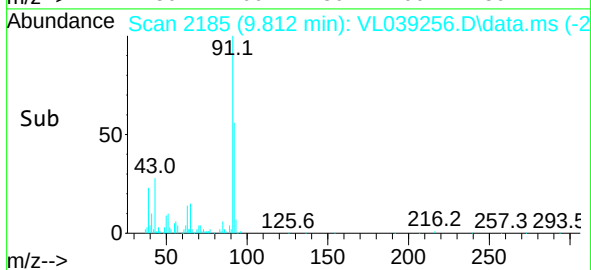
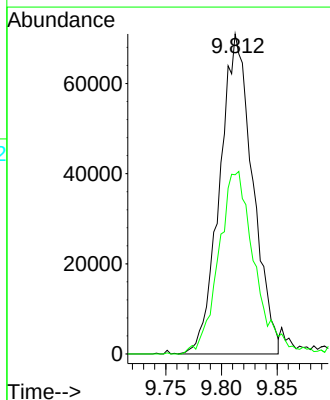
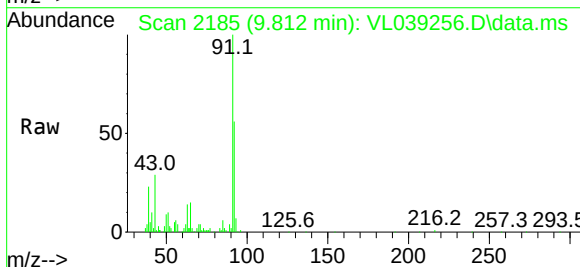
Manual Integrations
APPROVED

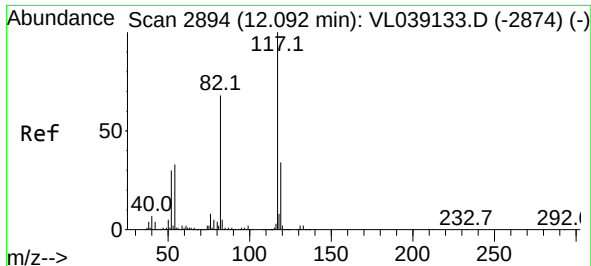
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#53
Toluene
Concen: 0.594 ppbv
RT: 9.812 min Scan# 2185
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

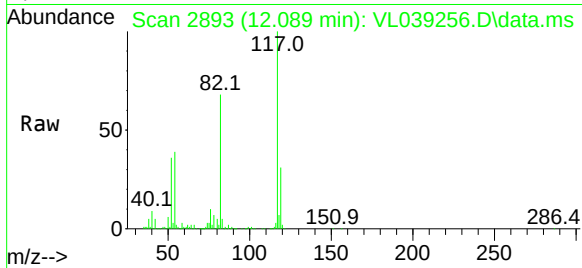
Tgt Ion: 91 Resp: 146668
Ion Ratio Lower Upper
91 100
92 63.6 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

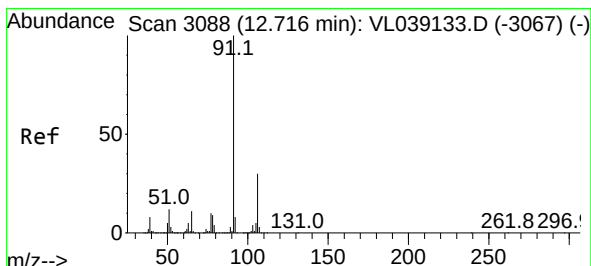
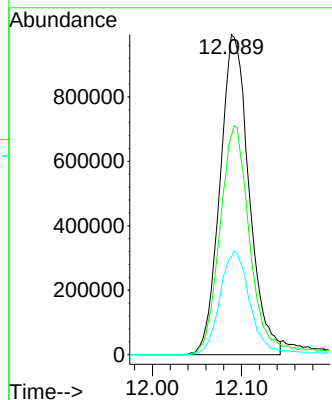
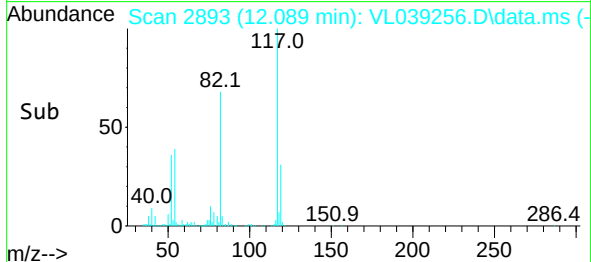
Instrument : MSVOA_L
ClientSampleId : OTC-IAZ



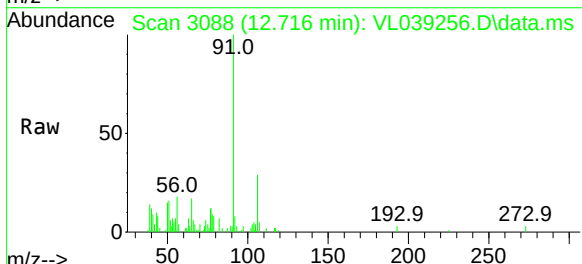
Tgt Ion: 117 Resp: 224710
Ion Ratio Lower Upper
117 100
82 76.9 55.1 82.7
119 34.0 24.7 37.1

Manual Integrations
APPROVED

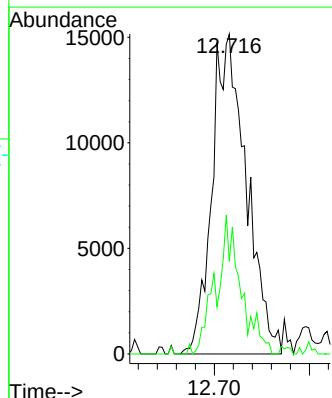
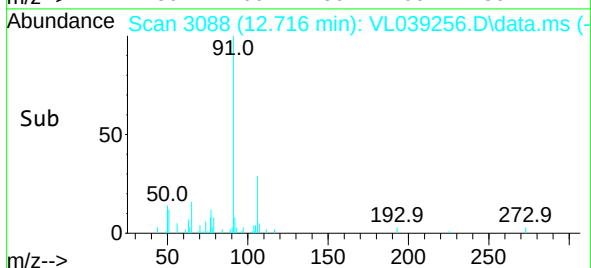
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

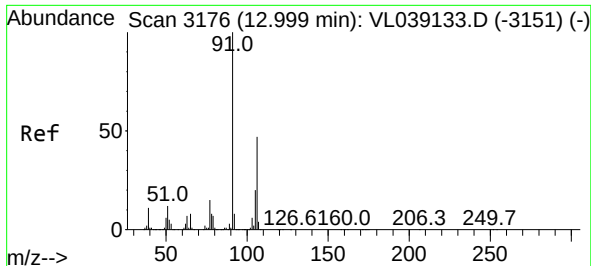


#58
Ethyl Benzene
Concen: 0.122 ppbv m
RT: 12.716 min Scan# 3088
Delta R.T. 0.000 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



Tgt Ion: 91 Resp: 37751
Ion Ratio Lower Upper
91 100
106 28.9 24.2 36.4





#59

m/p-Xylene

Concen: 0.466 ppbv m

RT: 12.970 min Scan# 3176

Delta R.T. -0.029 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

Instrument :

MSVOA_L

ClientSampleId :

OTC-IAZ

Tgt Ion: 91 Resp: 12703

Ion Ratio Lower Upper

91 100

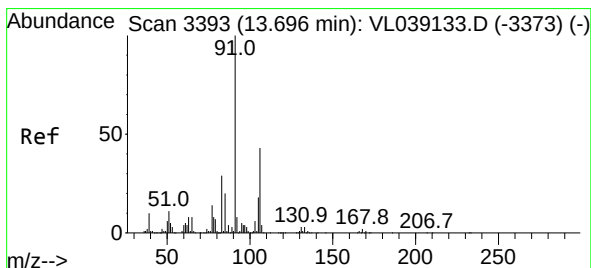
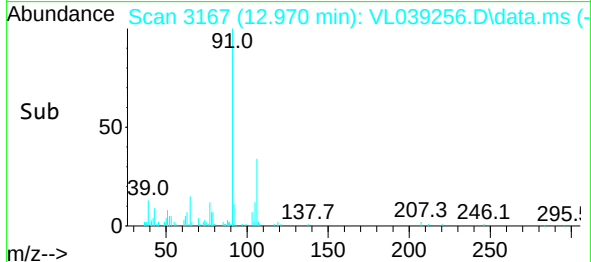
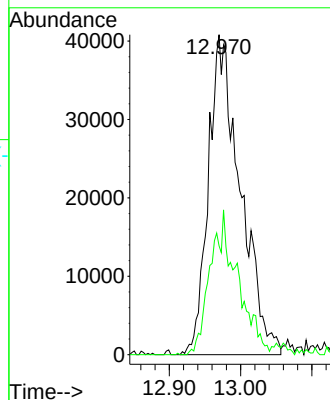
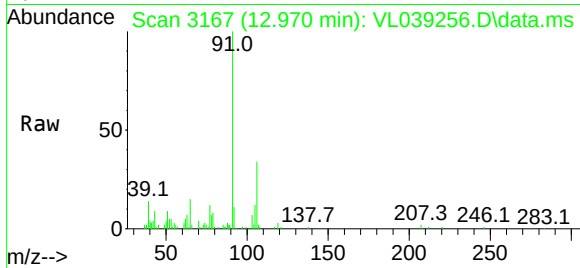
106 0.0 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#60

o-Xylene

Concen: 0.214 ppbv m

RT: 13.693 min Scan# 3392

Delta R.T. -0.003 min

Lab File: VL039256.D

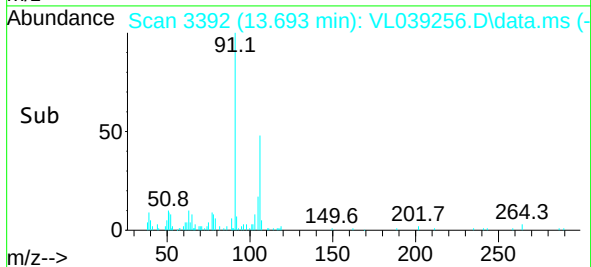
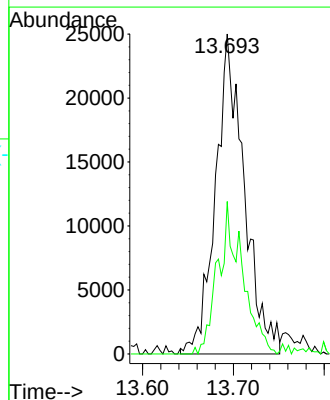
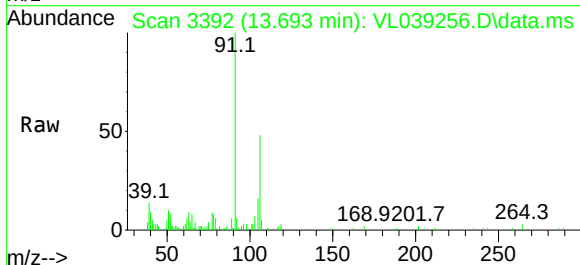
Acq: 13 Jun 2022 17:52

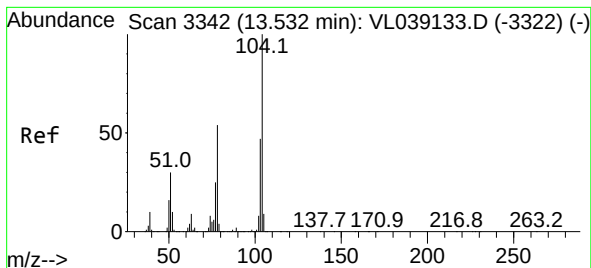
Tgt Ion: 91 Resp: 54798

Ion Ratio Lower Upper

91 100

106 1.5 22.3 66.9





#61

Styrene

Concen: 0.128 ppbv m

RT: 13.536 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

Instrument :

MSVOA_L

ClientSampleId :

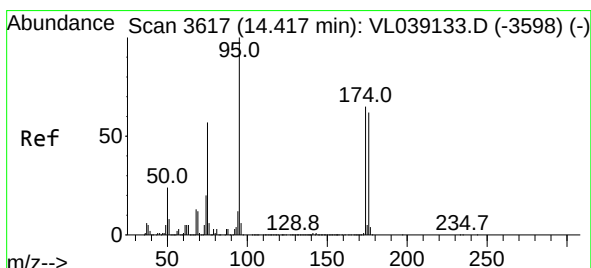
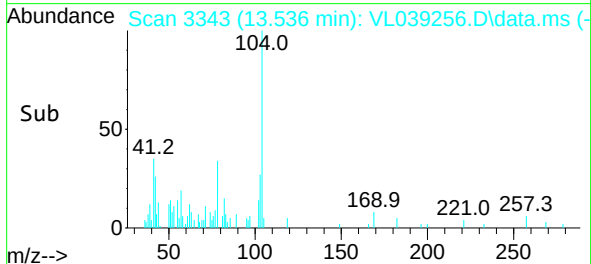
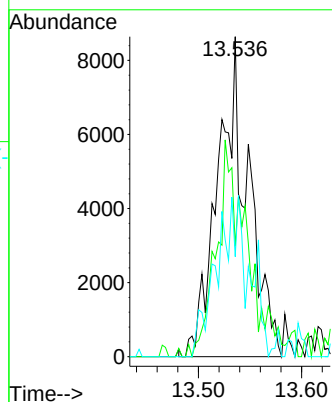
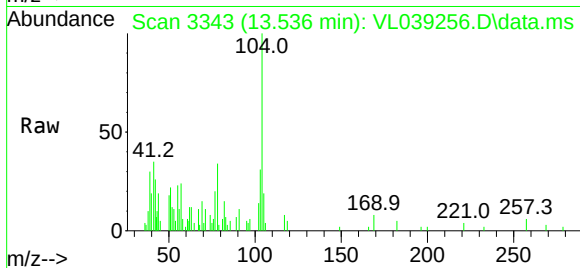
OTC-IAZ

Tgt Ion:	104	Resp:	1756
Ion Ratio	Lower	Upper	
104	100		
78	70.4	45.7	68.5
103	0.0	39.6	59.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.990 ppbv

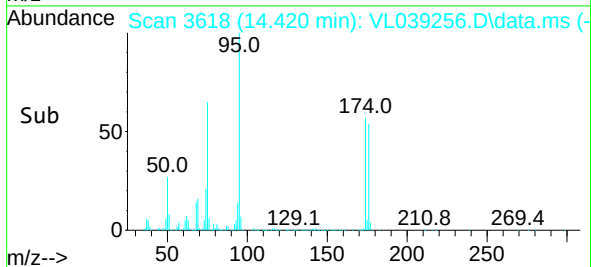
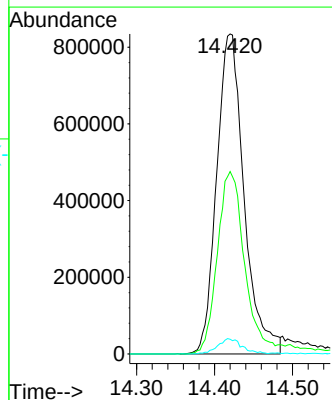
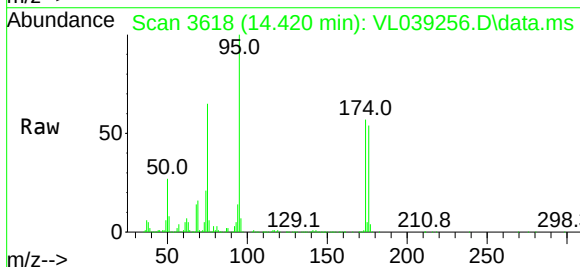
RT: 14.420 min Scan# 3618

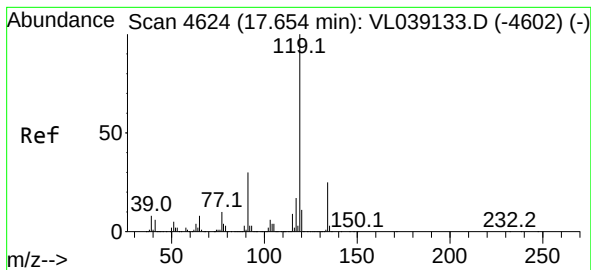
Delta R.T. 0.003 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

Tgt Ion:	95	Resp:	2041686
Ion Ratio	Lower	Upper	
95	100		
174	61.2	53.8	80.8
175	4.6	4.1	6.1





#69

p-Isopropyltoluene

Concen: 0.139 ppbv m

RT: 17.651 min Scan# 4624

Delta R.T. -0.003 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

Instrument :

MSVOA_L

ClientSampleId :

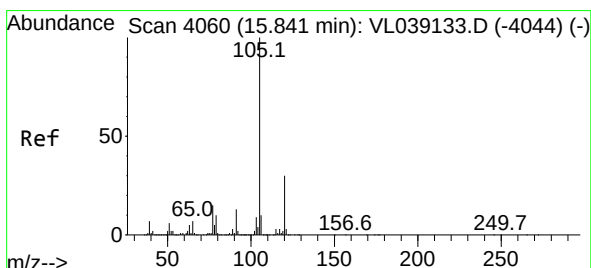
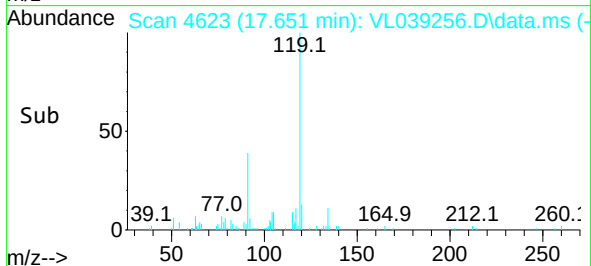
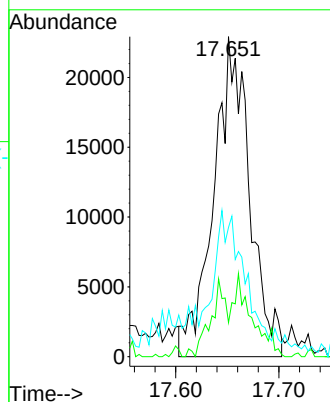
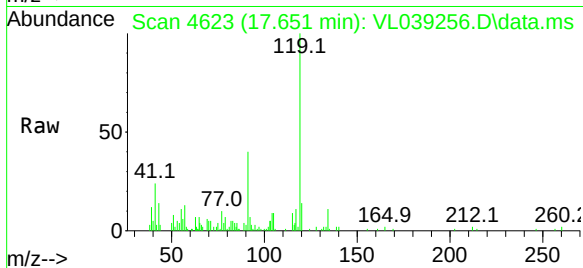
OTC-IAZ

Tgt Ion:	119	Resp:	5554
Ion Ratio	Lower	Upper	
119	100		
134	0.0	20.4	30.6
91	0.0	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#72

4-Ethyltoluene

Concen: 0.152 ppbv m

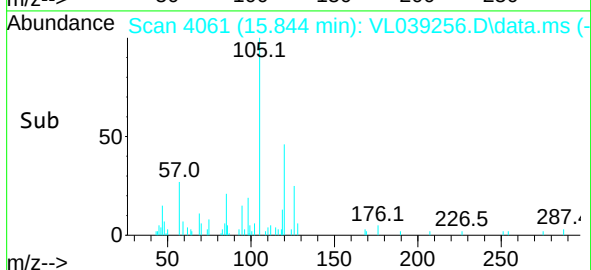
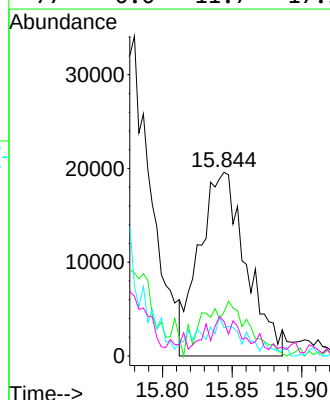
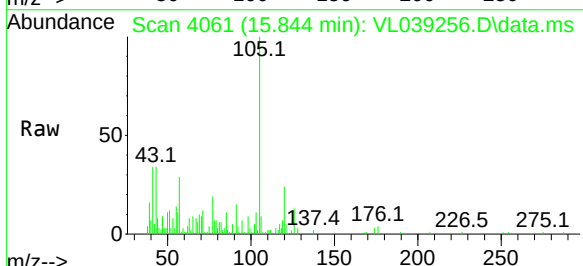
RT: 15.844 min Scan# 4061

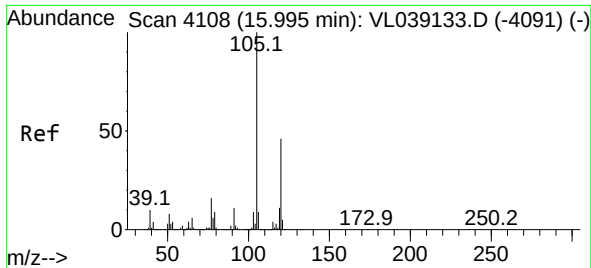
Delta R.T. 0.003 min

Lab File: VL039256.D

Acq: 13 Jun 2022 17:52

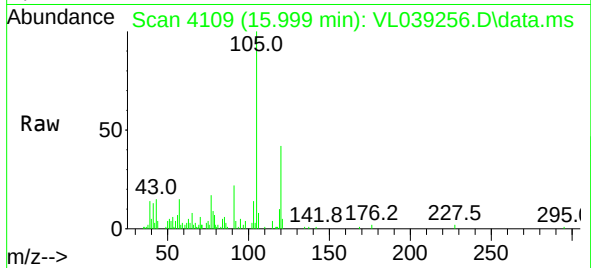
Tgt Ion:	105	Resp:	45644
Ion Ratio	Lower	Upper	
105	100		
120	0.0	23.9	35.9
91	0.0	10.6	16.0
77	0.0	11.7	17.5





#73
1,3,5-Trimethylbenzene
Concen: 0.217 ppbv m
RT: 15.999 min Scan# 4109
Delta R.T. 0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52

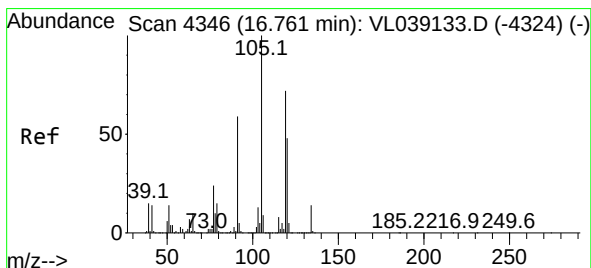
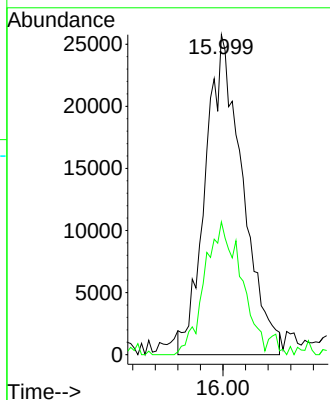
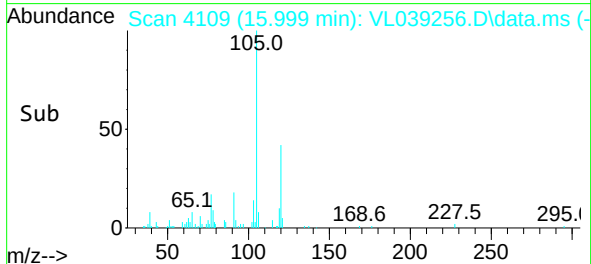
Instrument :
MSVOA_L
ClientSampleId :
OTC-IAZ



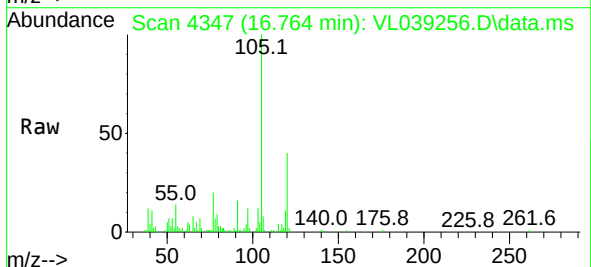
Tgt Ion:105 Resp: 58809
Ion Ratio Lower Upper
105 100
120 41.5 36.7 55.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.554 ppbv m
RT: 16.764 min Scan# 4347
Delta R.T. 0.003 min
Lab File: VL039256.D
Acq: 13 Jun 2022 17:52



Tgt Ion:105 Resp: 167342
Ion Ratio Lower Upper
105 100
120 39.7 38.1 57.1
91 16.1 47.4 71.0#
77 19.6 19.5 29.3

