

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039296.D
 Acq On : 15 Jun 2022 12:29
 Operator : SY/AP
 Sample : N3326-04DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 16 01:17:24 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.658	49	1262161	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.163	114	3697620	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	3260494	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	2501293	9.279	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.800%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.986	51	16298	0.101	ppbv #	84
9) Propene	3.015	41	49830	0.712	ppbv #	69
13) Ethanol	3.594	45	301813m	79.032	ppbv	
15) Acetone	3.842	43	764969	5.818	ppbv	94
19) Isopropyl Alcohol	3.954	45	458937	7.442	ppbv #	96
20) Methylene Chloride	4.340	84	34427	0.621	ppbv #	87
26) Hexane	5.677	57	80900	0.621	ppbv #	38
34) 2-Butanone	5.243	43	34766	0.173	ppbv	91
44) 2,2,4-Trimethylpentane	7.861	57	97201	0.185	ppbv #	86
53) Toluene	9.790	91	135437	0.392	ppbv	98
59) m/p-Xylene	12.944	91	90491m	0.229	ppbv	
60) o-Xylene	13.680	91	37753m	0.102	ppbv	
61) Styrene	13.510	104	19076m	0.096	ppbv	
74) 1,2,4-Trimethylbenzene	16.745	105	46931m	0.107	ppbv	

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

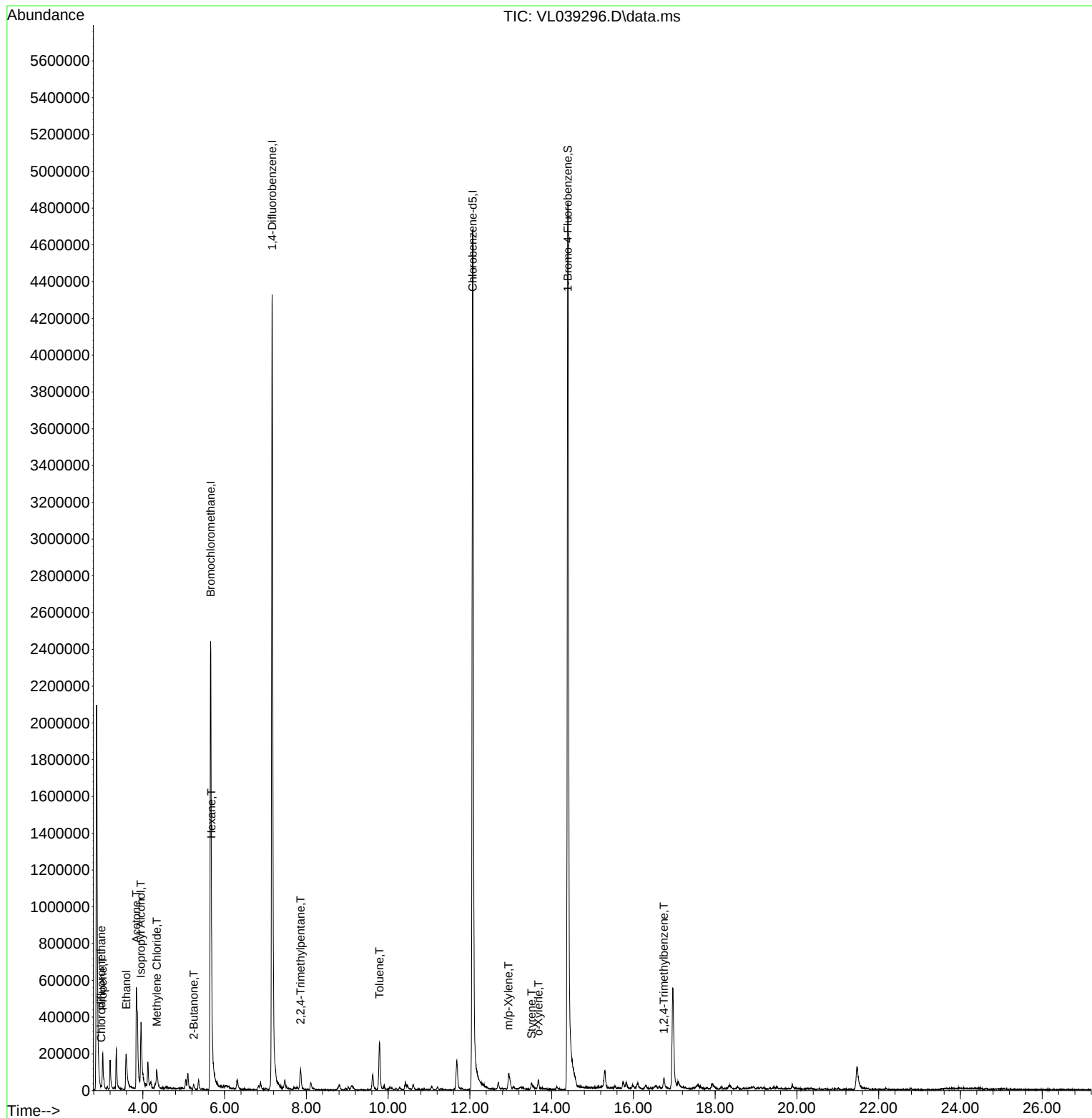
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
Data File : VL039296.D
Acq On : 15 Jun 2022 12:29
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Misc : 400mL/MSVOA_L
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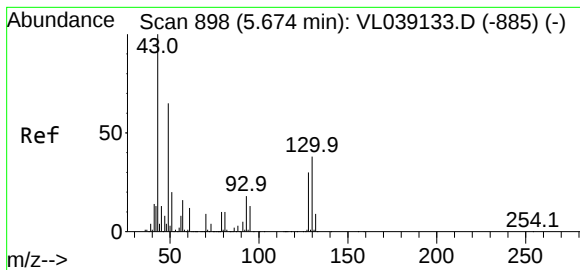
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Quant Time: Jun 16 01:17:24 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

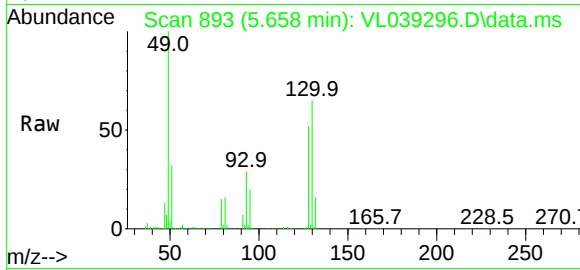
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.016 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

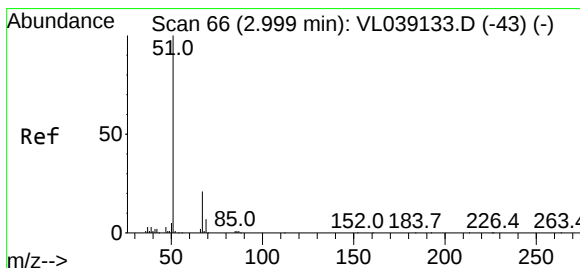
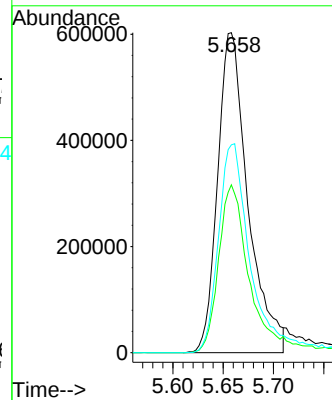
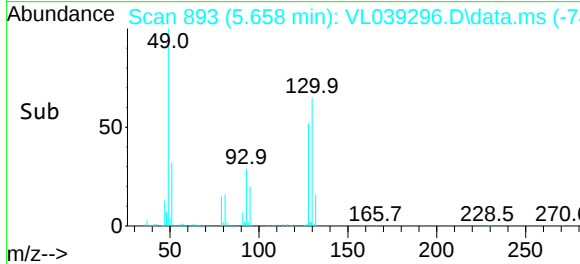
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



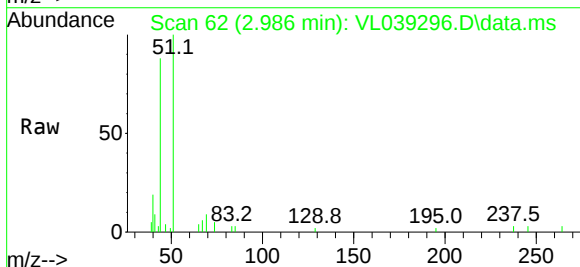
Tgt Ion: 49 Resp: 126216
Ion Ratio Lower Upper
49 100
128 55.2 24.7 74.1
130 72.7 31.4 94.0

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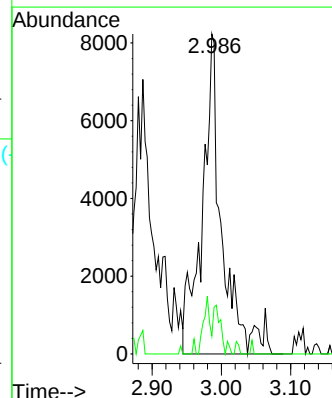
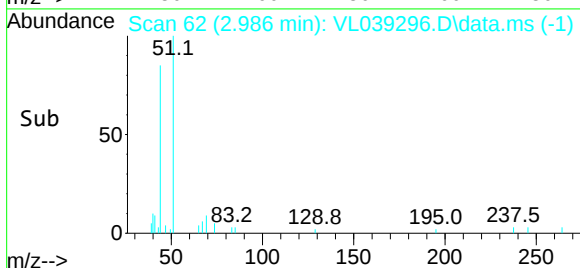
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

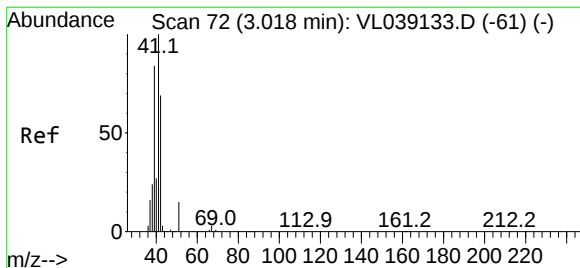


#3
Chlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.986 min Scan# 62
Delta R.T. -0.013 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29



Tgt Ion: 51 Resp: 16298
Ion Ratio Lower Upper
51 100
67 12.9 16.2 24.4





#9

Propene

Concen: 0.712 ppbv

RT: 3.015 min Scan# 71

Delta R.T. -0.003 min

Lab File: VL039296.D

Acq: 15 Jun 2022 12:29

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tgt Ion: 41 Resp: 49830

Ion Ratio Lower Upper

41 100

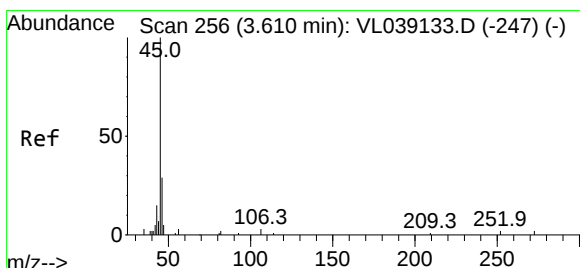
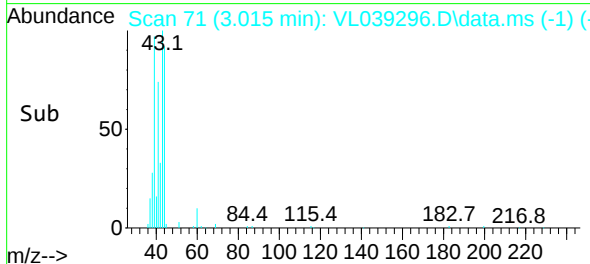
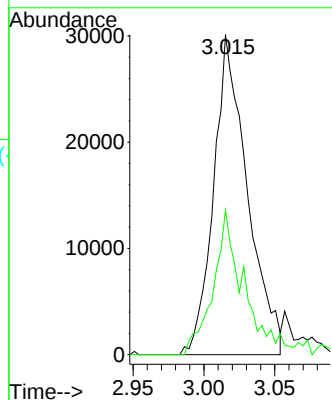
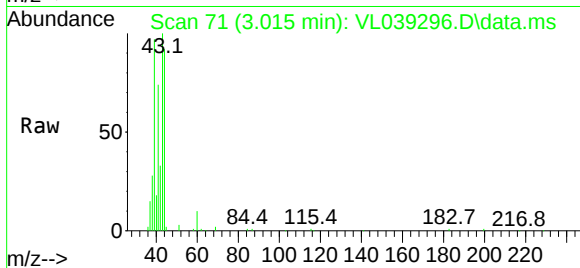
42 43.8 55.4 83.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#13

Ethanol

Concen: 79.032 ppbv m

RT: 3.594 min Scan# 251

Delta R.T. -0.016 min

Lab File: VL039296.D

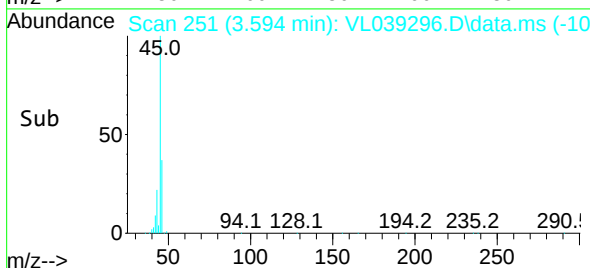
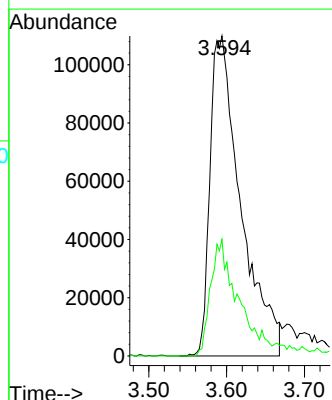
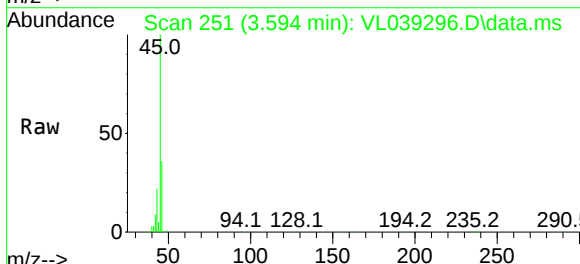
Acq: 15 Jun 2022 12:29

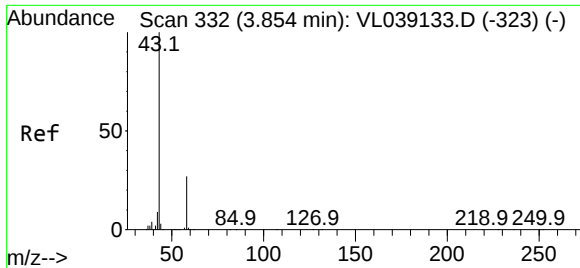
Tgt Ion: 45 Resp: 301813

Ion Ratio Lower Upper

45 100

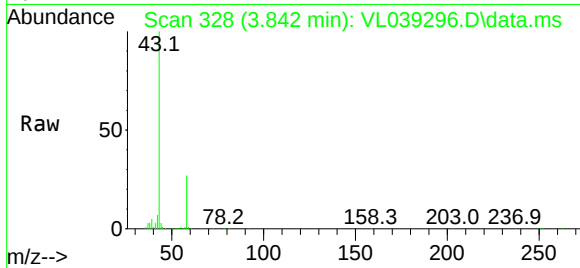
46 36.4 0.0 0.0





#15
Acetone
Concen: 5.818 ppbv
RT: 3.842 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

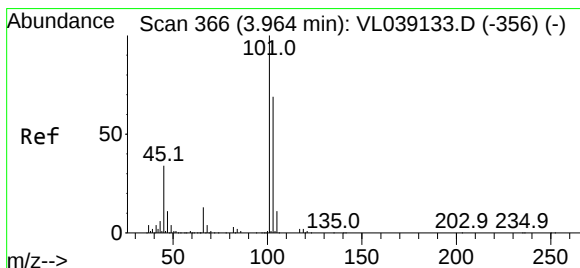
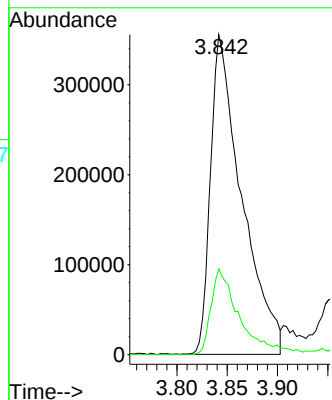
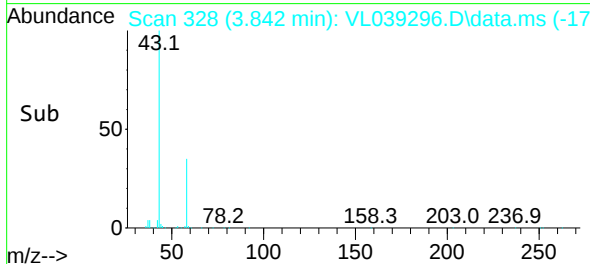
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion: 43 Resp: 764969
Ion Ratio Lower Upper
43 100
58 24.7 22.5 33.7

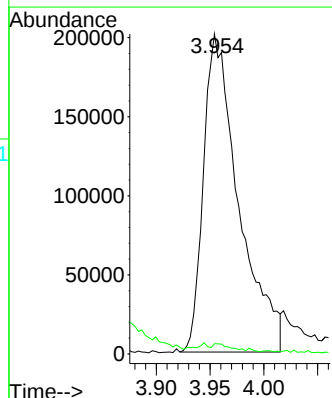
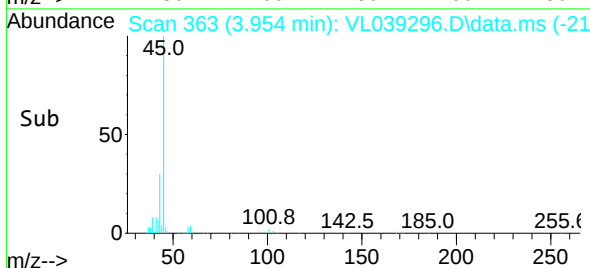
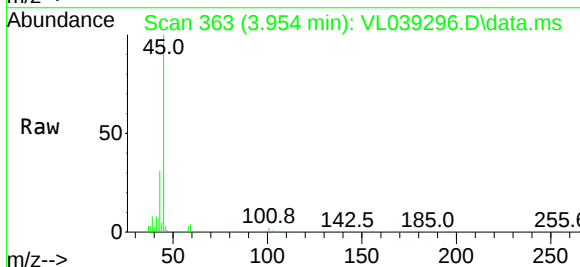
Manual Integrations
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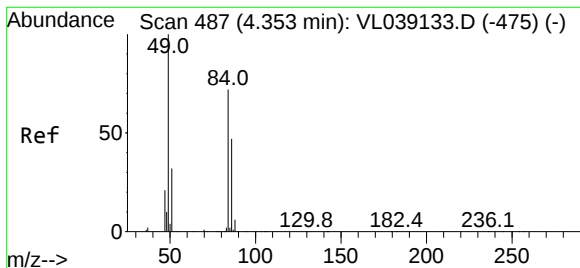
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#19
Isopropyl Alcohol
Concen: 7.442 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.010 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

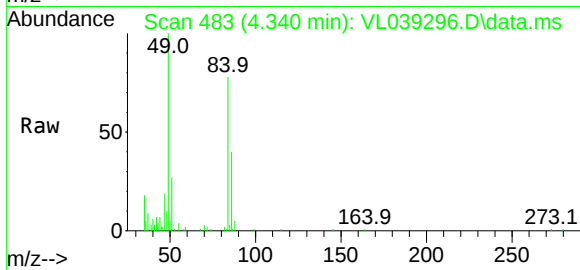
Tgt Ion: 45 Resp: 458937
Ion Ratio Lower Upper
45 100
58 3.6 1.8 2.8#





#20
Methylene Chloride
Concen: 0.621 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

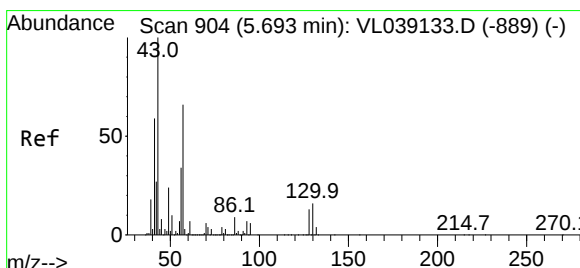
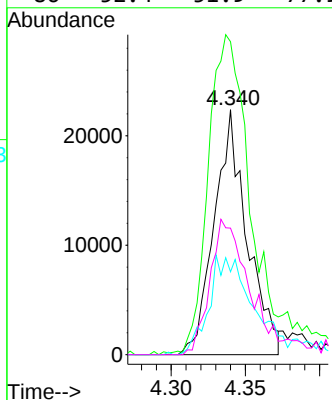
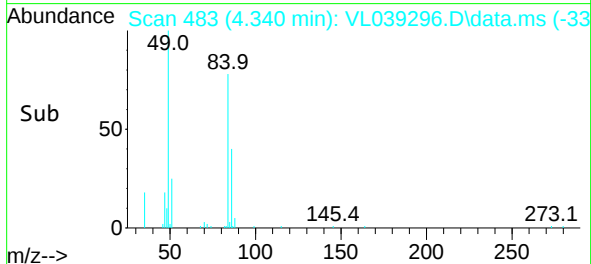
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



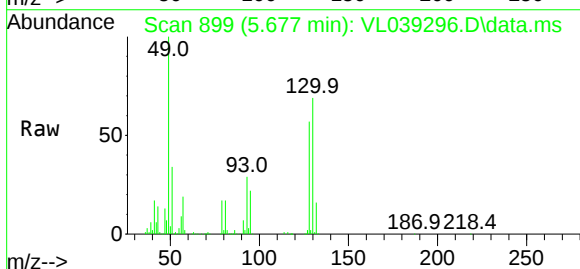
Tgt Ion:	84	Resp:	3442
Ion	Ratio	Lower	Upper
84	100		
49	126.3	111.1	166.7
51	33.9	35.3	52.9
86	52.4	51.9	77.9

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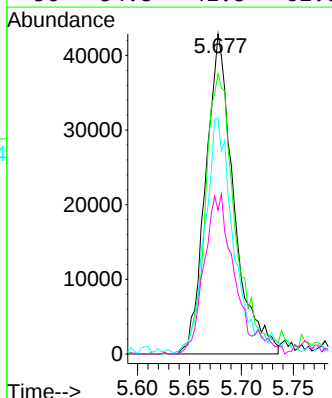
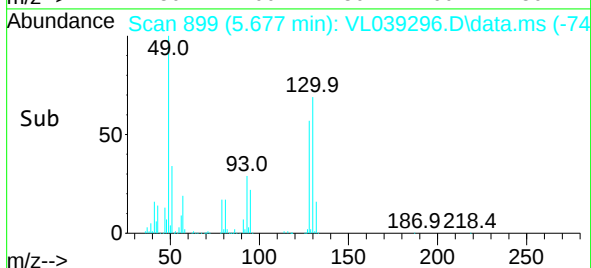
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

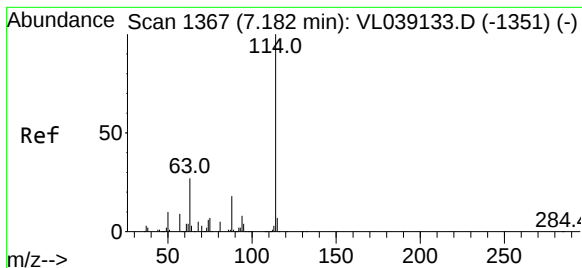


#26
Hexane
Concen: 0.621 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29



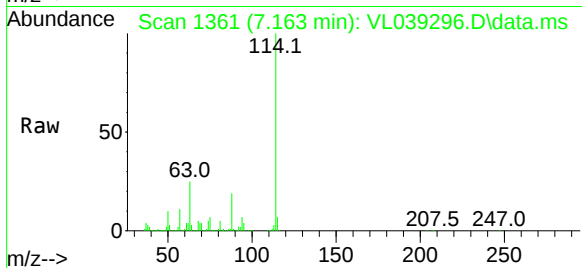
Tgt Ion:	57	Resp:	80900
Ion	Ratio	Lower	Upper
57	100		
41	98.2	72.4	108.6
43	74.8	187.0	280.6
56	54.8	41.8	62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 114
Delta R.T. -0.019 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

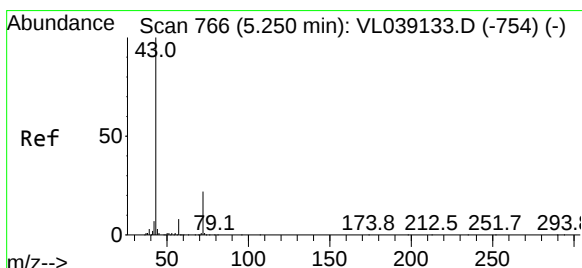
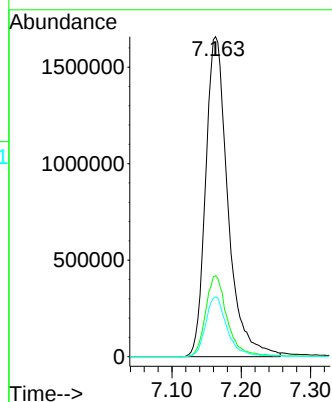
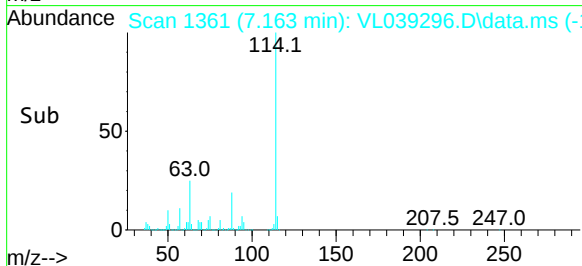
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



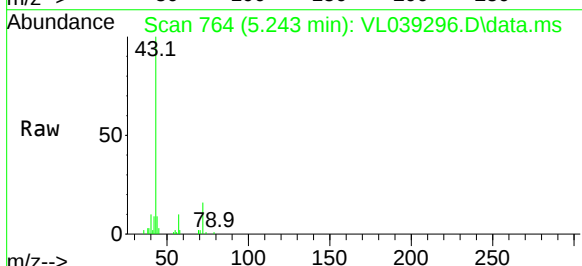
Tgt Ion:114 Resp: 3697620
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 18.4 14.8 22.2

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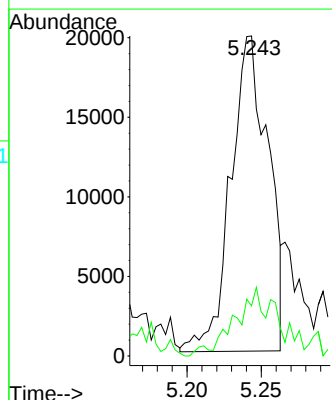
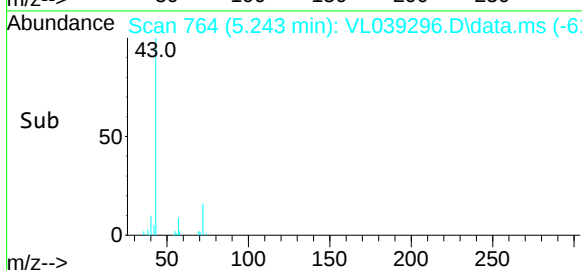
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022

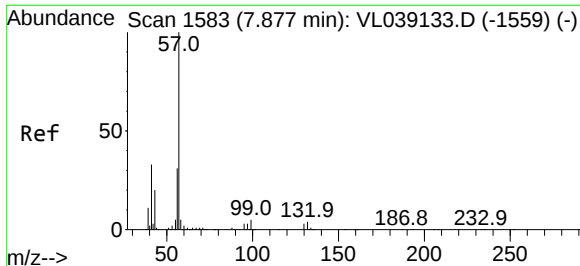


#34
2-Butanone
Concen: 0.173 ppbv
RT: 5.243 min Scan# 764
Delta R.T. -0.006 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29



Tgt Ion: 43 Resp: 34766
Ion Ratio Lower Upper
43 100
72 27.1 18.2 27.2





#44

2,2,4-Trimethylpentane

Concen: 0.185 ppbv

RT: 7.861 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL039296.D

Acq: 15 Jun 2022 12:29

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tgt Ion: 57 Resp: 9720

Ion Ratio Lower Upper

57 100

41 43.1 26.2 39.4

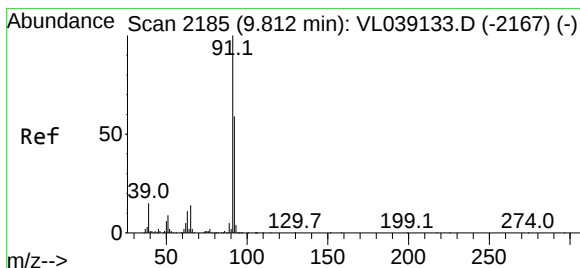
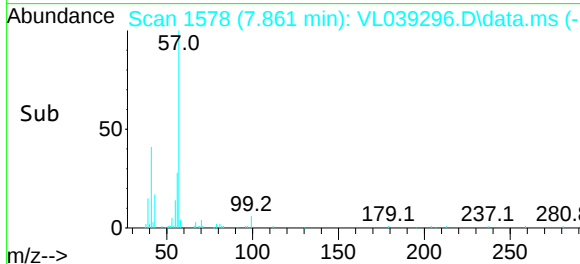
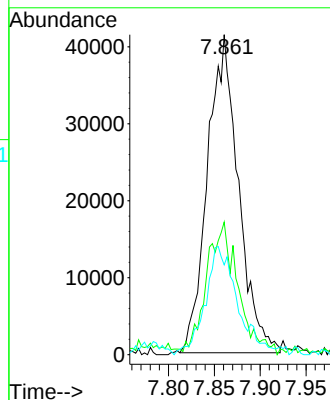
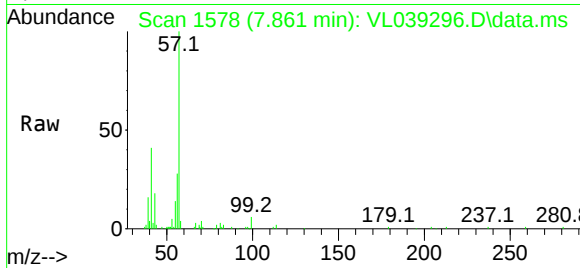
56 36.3 24.7 37.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/16/2022



#53

Toluene

Concen: 0.392 ppbv

RT: 9.790 min Scan# 2178

Delta R.T. -0.022 min

Lab File: VL039296.D

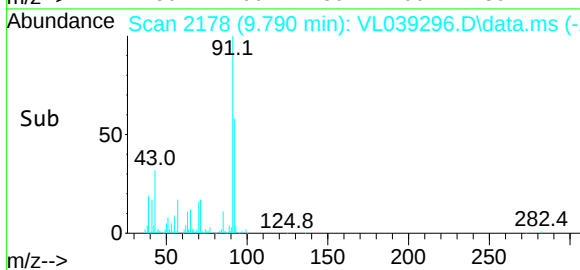
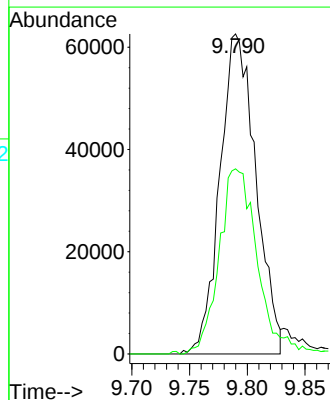
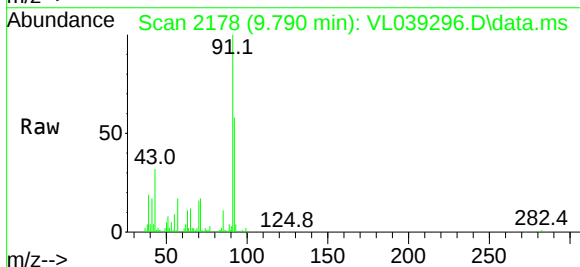
Acq: 15 Jun 2022 12:29

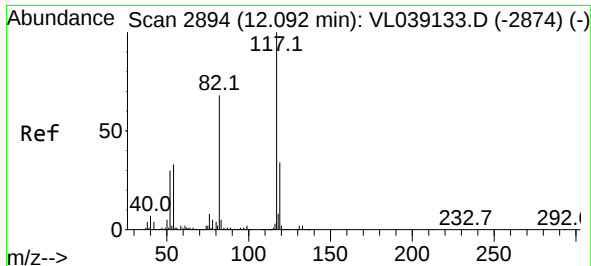
Tgt Ion: 91 Resp: 135437

Ion Ratio Lower Upper

91 100

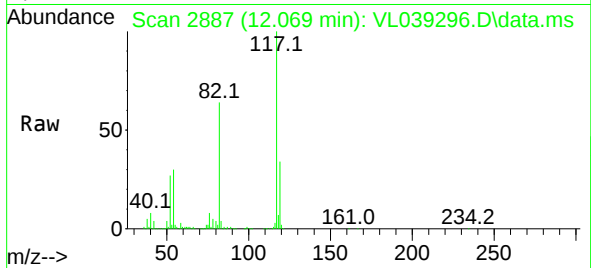
92 61.7 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2887
Delta R.T. -0.022 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

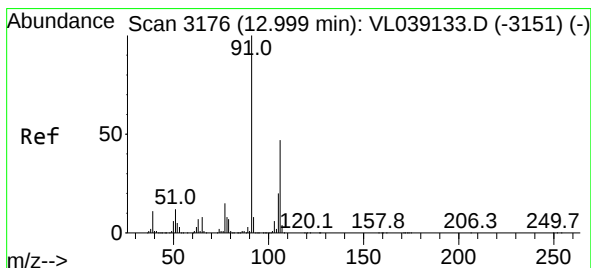
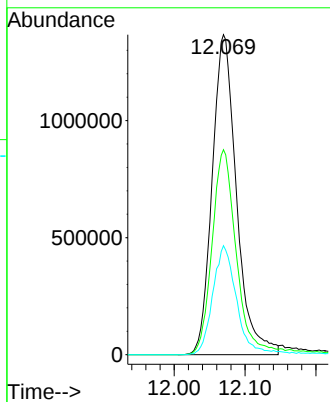
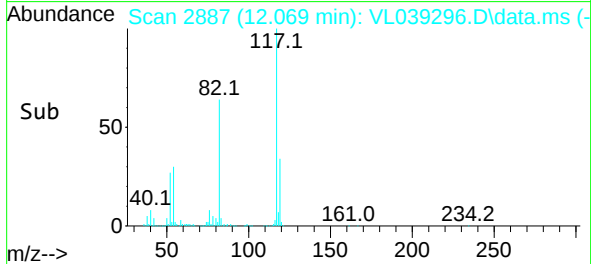
Instrument :
MSVOA_L
ClientSampleId :
IA2DL



Tgt Ion:117 Resp: 3260494
Ion Ratio Lower Upper
117 100
82 66.2 55.1 82.7
119 34.2 24.7 37.1

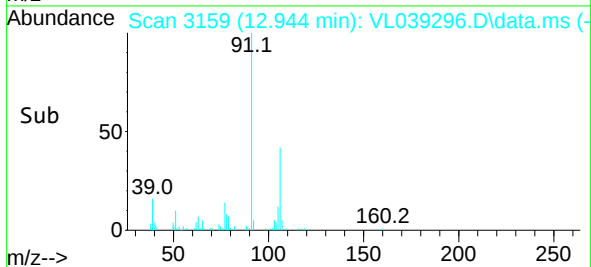
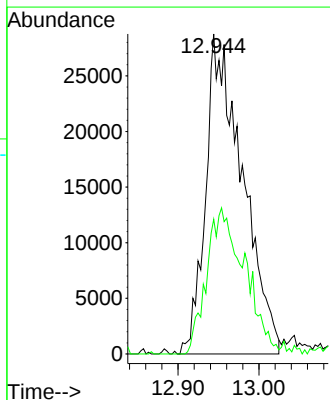
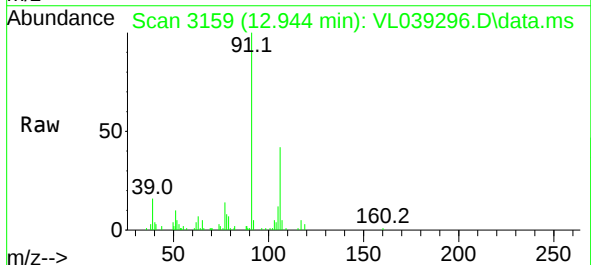
Manual Integrations
APPROVED

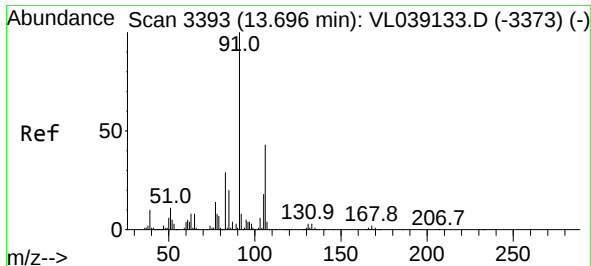
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#59
m/p-Xylene
Concen: 0.229 ppbv m
RT: 12.944 min Scan# 3159
Delta R.T. -0.055 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

Tgt Ion: 91 Resp: 90491
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#





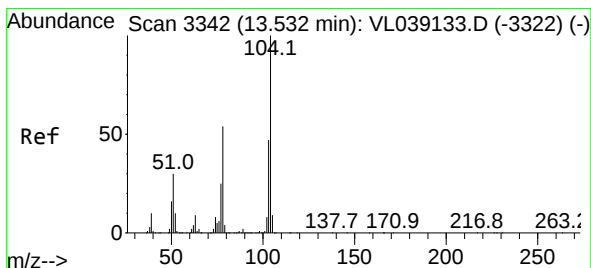
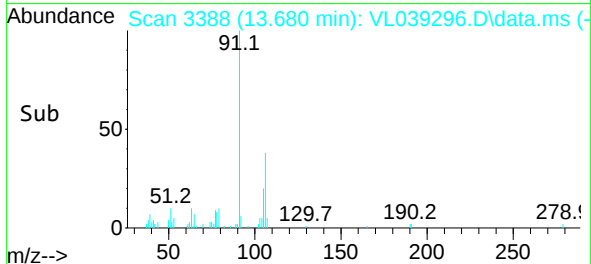
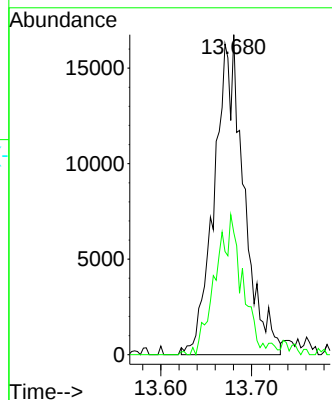
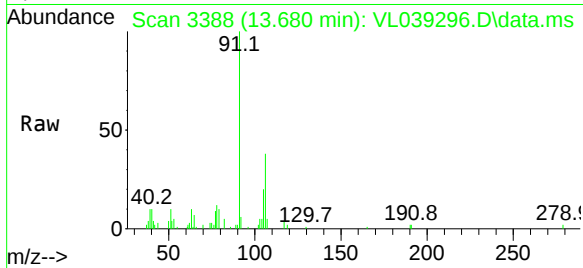
#60
o-Xylene
Concen: 0.102 ppbv m
RT: 13.680 min Scan# 3393
Delta R.T. -0.016 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 91 Resp: 3775
Ion Ratio Lower Upper
91 100
106 0.0 22.3 66.9

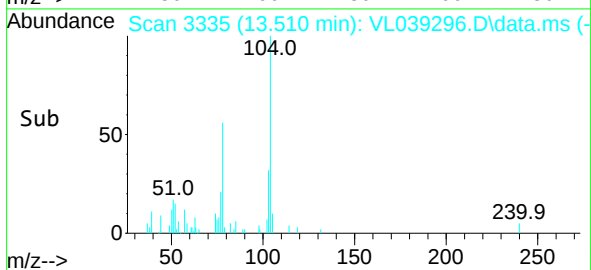
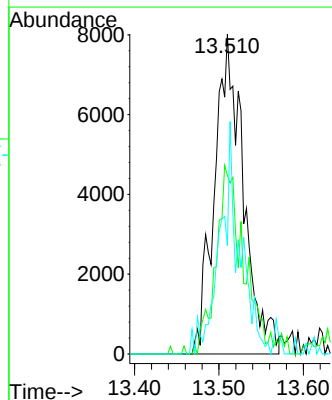
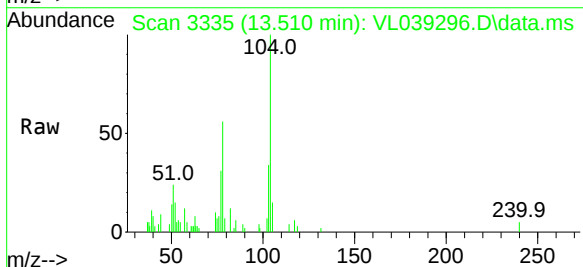
Manual Integrations
APPROVED

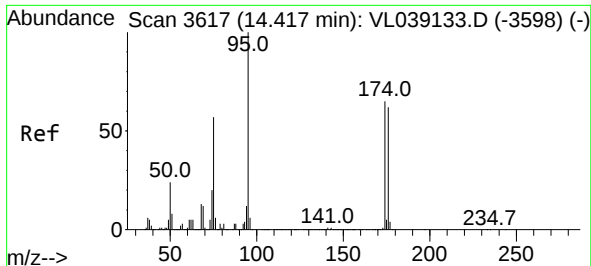
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/16/2022



#61
Styrene
Concen: 0.096 ppbv m
RT: 13.510 min Scan# 3335
Delta R.T. -0.022 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

Tgt Ion:104 Resp: 19076
Ion Ratio Lower Upper
104 100
78 57.3 45.7 68.5
103 51.0 39.6 59.4





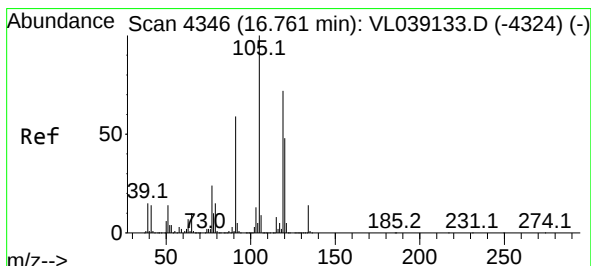
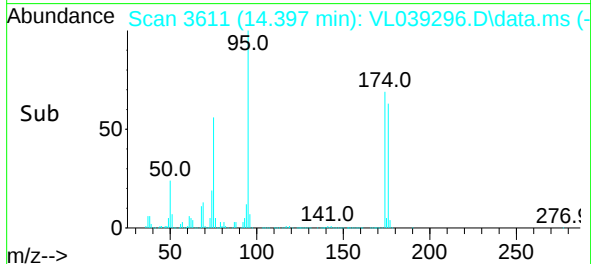
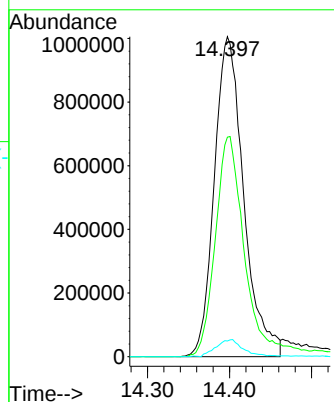
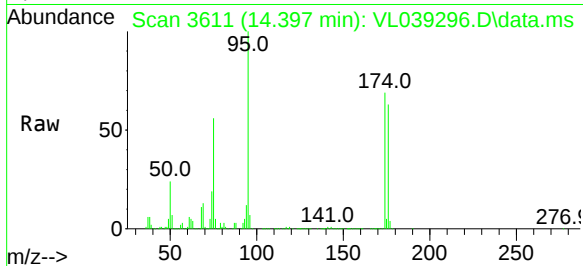
#68
1-Bromo-4-Fluorobenzene
Concen: 9.279 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. -0.019 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 95 Resp: 250129
Ion Ratio Lower Upper
95 100
174 72.3 53.8 80.8
175 5.1 4.1 6.1

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.107 ppbv m
RT: 16.745 min Scan# 4341
Delta R.T. -0.016 min
Lab File: VL039296.D
Acq: 15 Jun 2022 12:29

Tgt Ion:105 Resp: 46931
Ion Ratio Lower Upper
105 100
120 34.0 38.1 57.1#
91 8.6 47.4 71.0#
77 12.8 19.5 29.3#

