

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039107.D
 Acq On : 24 May 2022 6:23
 Operator : SY/AP
 Sample : N2957-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 APB-IDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

Quant Time: May 24 08:46:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu May 26 13:06:18 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	1183969	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2803911	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.057	117	2448591	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1899788	9.797	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
						Qvalue
3) Chlorodifluoromethane	2.989	51	17301m	0.118	ppbv	
4) Chloromethane	3.134	50	11928m	0.162	ppbv	
9) Propene	3.009	41	49777	0.776	ppbv	89
10) Heptane	8.099	43	21998	0.140	ppbv	89
13) Ethanol	3.591	45	128687m	28.343	ppbv	
15) Acetone	3.842	43	39493m	0.354	ppbv	
19) Isopropyl Alcohol	3.964	45	32610	0.614	ppbv #	87
20) Methylene Chloride	4.333	84	23063m	0.548	ppbv	
26) Hexane	5.671	57	59632m	0.502	ppbv	
30) Cyclohexane	7.105	84	12820m	0.129	ppbv	
34) 2-Butanone	5.237	43	17422m	0.122	ppbv	
36) Benzene	6.867	78	92259	0.384	ppbv	95
44) 2,2,4-Trimethylpentane	7.848	57	144091	0.342	ppbv	93
53) Toluene	9.777	91	174821	0.650	ppbv	98
59) m/p-Xylene	12.934	91	57352m	0.191	ppbv	

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

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Instrument :
MSVOA_L
ClientSampleId :
APB-1DL

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 05/25/2022
Supervised By : Mahesh Dadoda 05/26/2022

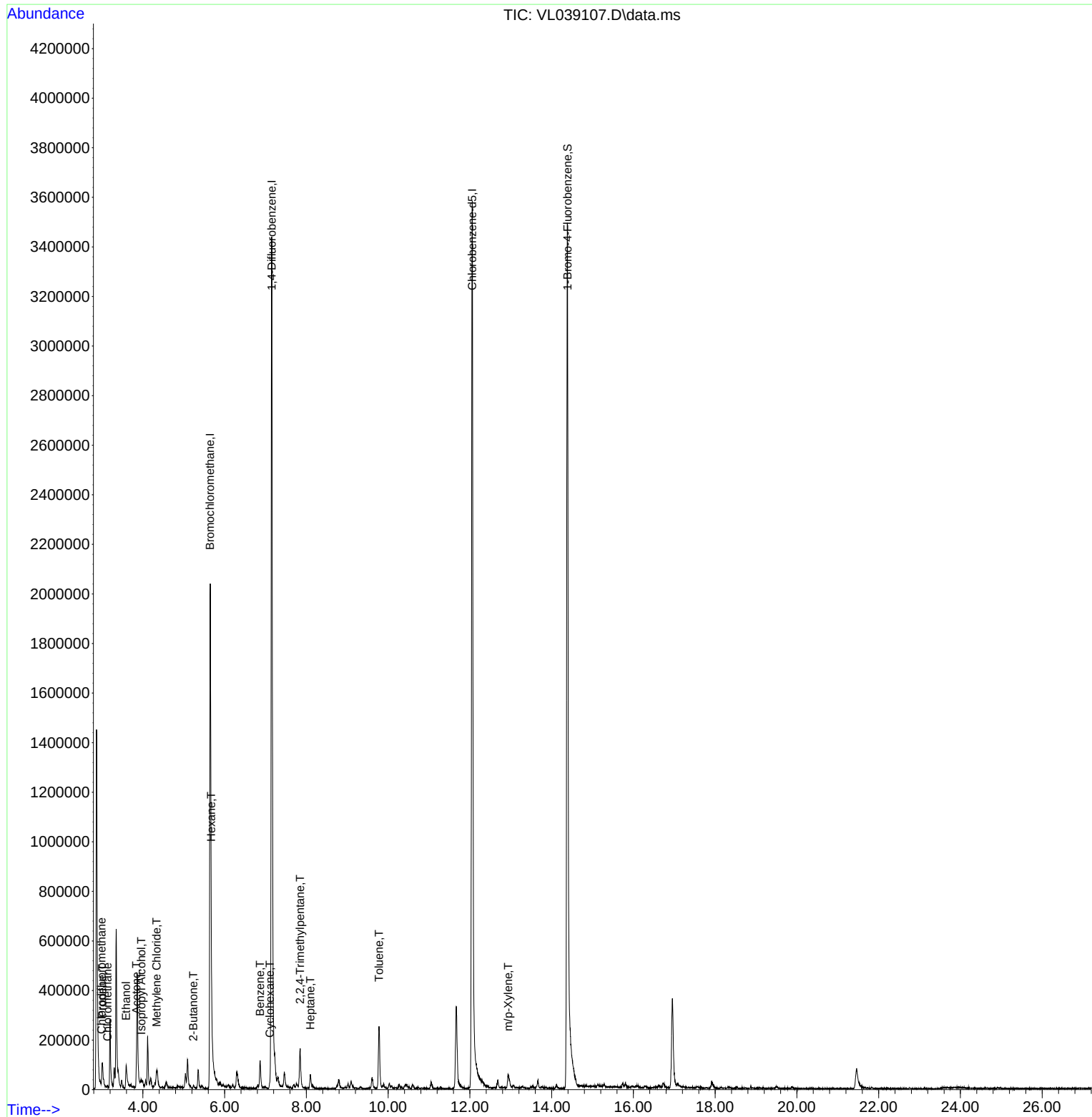
Quant Time: May 24 08:46:32 2022

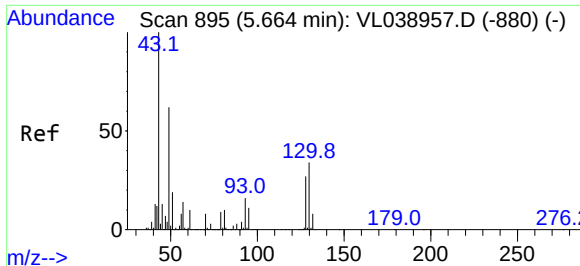
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May

QLast Update : Thu May 05 10:12:15 2022

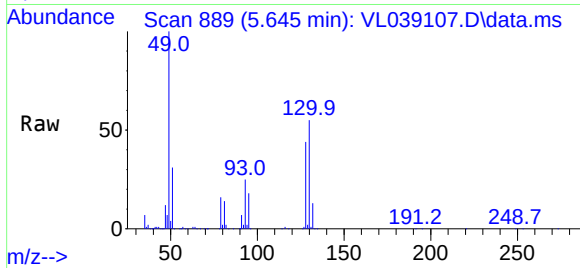
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 81
Delta R.T. -0.019 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

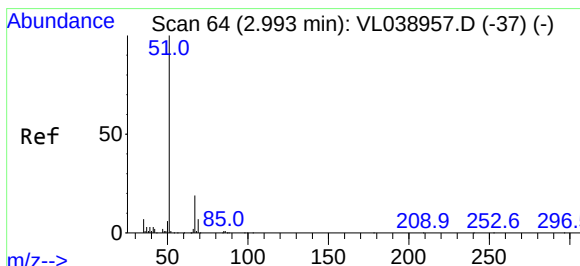
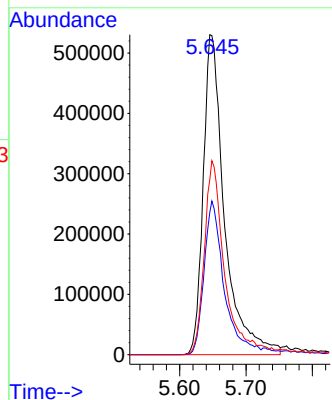
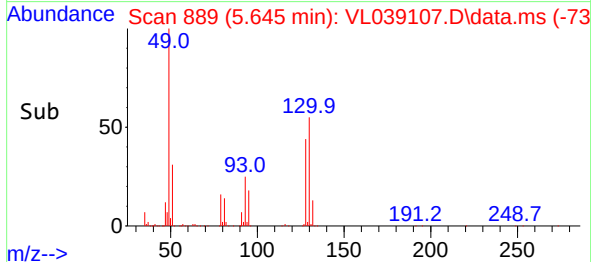
Instrument :
MSVOA_L
ClientSampleId :
APB-1DL



Tgt Ion: 49 Resp: 118396
Ion Ratio Lower Upper
49 100
128 47.9 23.3 69.8
130 60.3 29.8 89.3

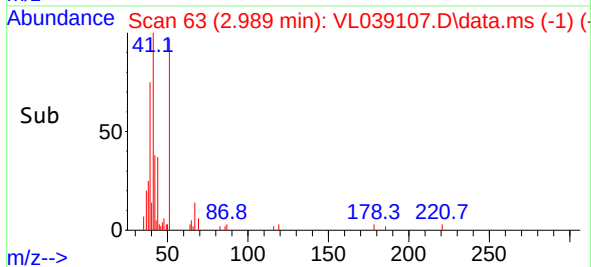
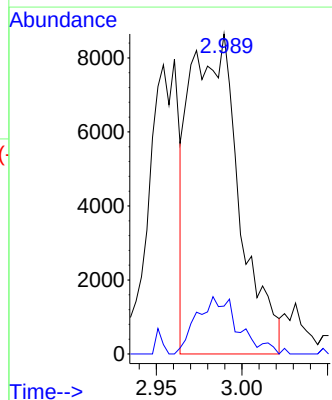
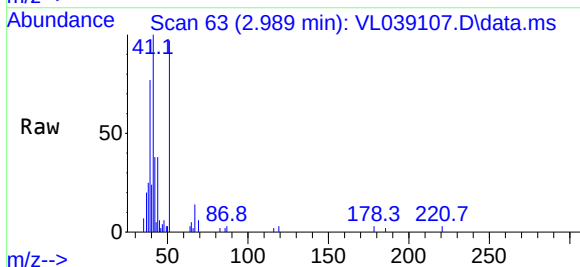
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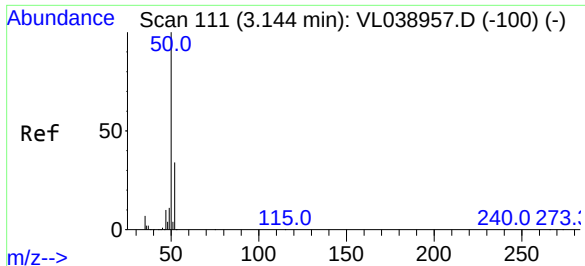
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#3
Chlorodifluoromethane
Concen: 0.118 ppbv m
RT: 2.989 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

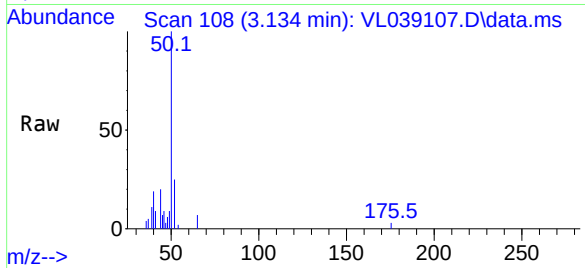
Tgt Ion: 51 Resp: 17301
Ion Ratio Lower Upper
51 100
67 16.3 15.8 23.8





#4
Chloromethane
Concen: 0.162 ppbv m
RT: 3.134 min Scan# 111
Delta R.T. -0.009 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

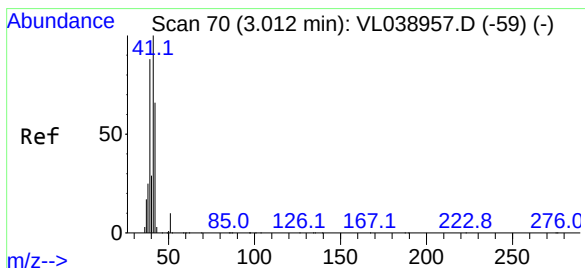
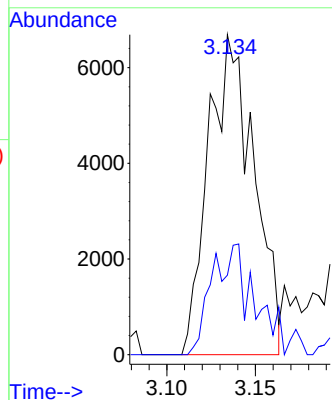
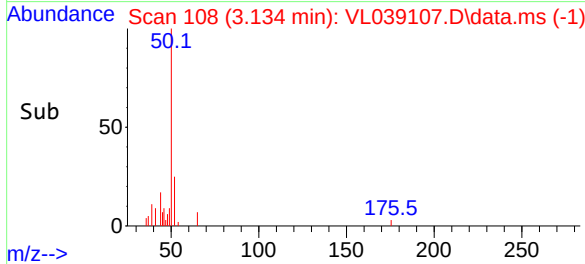
Instrument :
MSVOA_L
ClientSampleId :
APB-IDL



Tgt Ion: 50 Resp: 11928
Ion Ratio Lower Upper
50 100
52 24.8 27.3 40.9

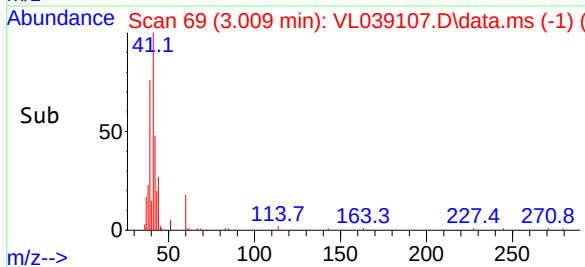
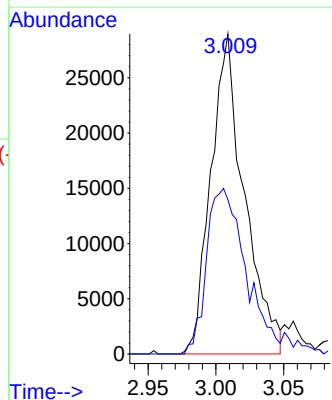
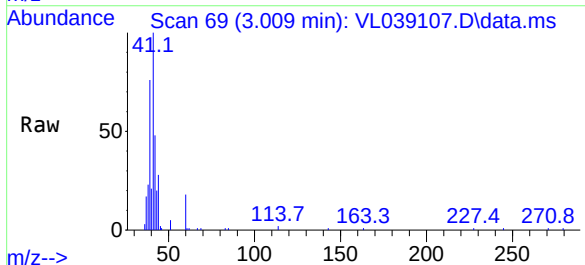
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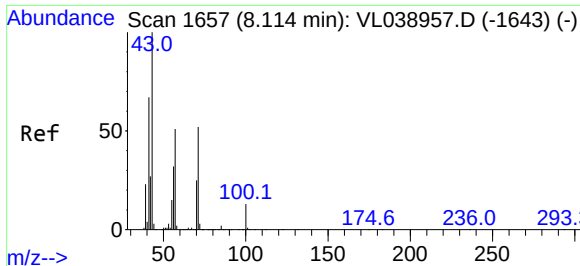
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#9
Propene
Concen: 0.776 ppbv
RT: 3.009 min Scan# 69
Delta R.T. -0.003 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

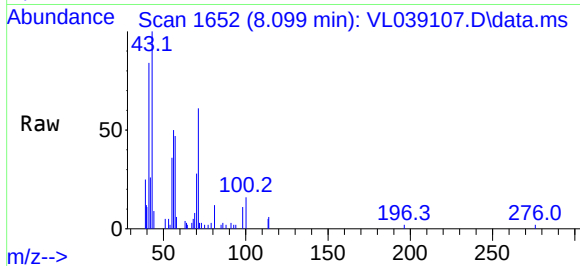
Tgt Ion: 41 Resp: 49777
Ion Ratio Lower Upper
41 100
42 63.8 58.3 87.5





#10
Heptane
Concen: 0.140 ppbv
RT: 8.099 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

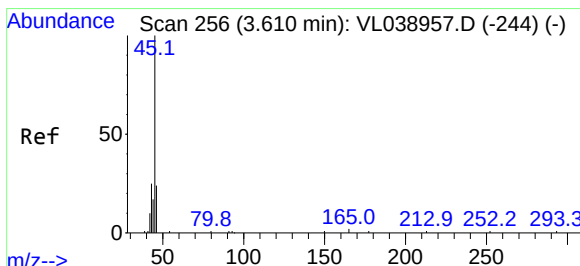
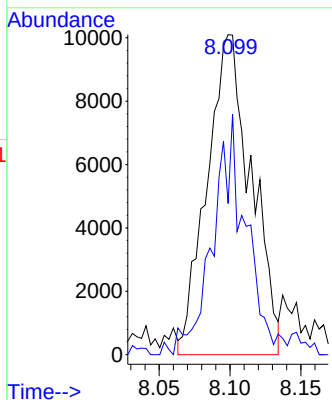
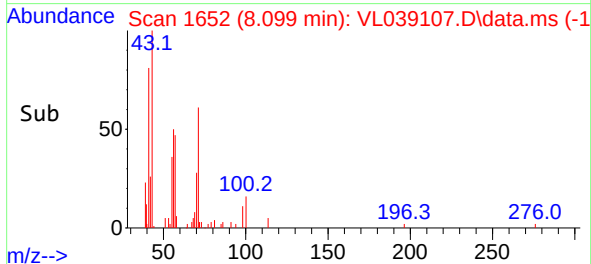
Instrument :
MSVOA_L
ClientSampleId :
APB-IDL



Tgt Ion: 43 Resp: 21998
Ion Ratio Lower Upper
43 100
57 58.1 40.5 60.7

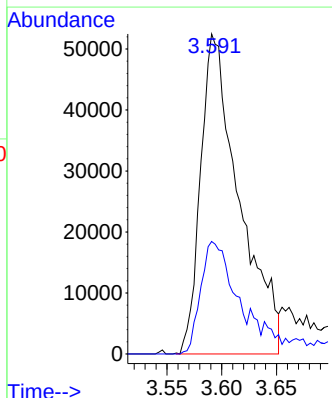
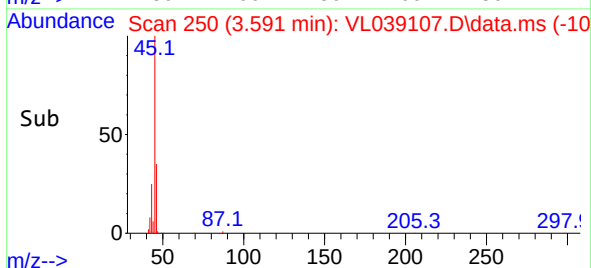
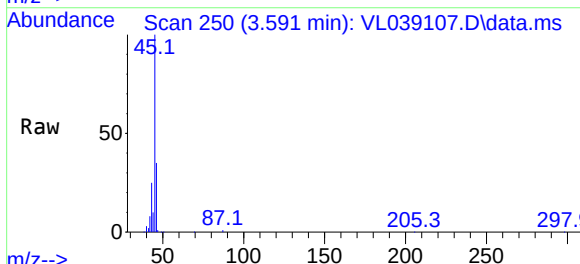
Manual Integrations
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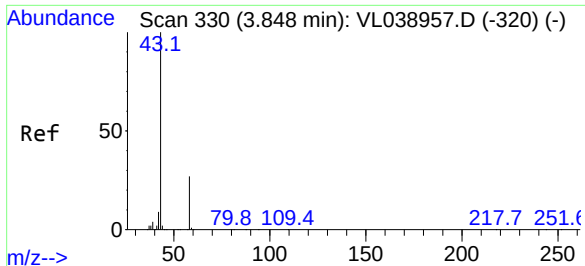
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#13
Ethanol
Concen: 28.343 ppbv m
RT: 3.591 min Scan# 250
Delta R.T. -0.019 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

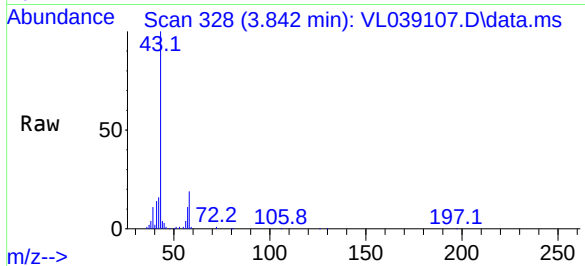
Tgt Ion: 45 Resp: 128687
Ion Ratio Lower Upper
45 100
46 37.9 18.0 72.2





#15
Acetone
Concen: 0.354 ppbv m
RT: 3.842 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

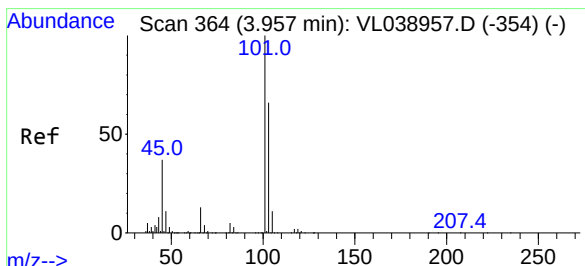
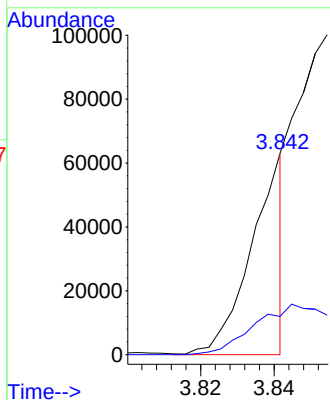
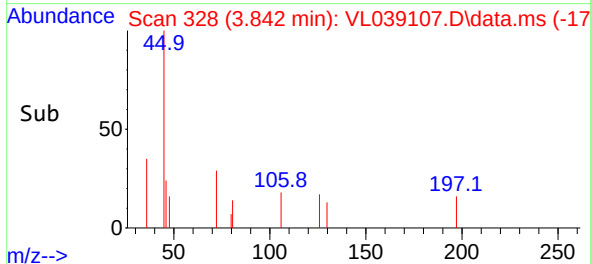
Instrument :
MSVOA_L
ClientSampleId :
APB-1DL



Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
58 108.0 21.3 31.9

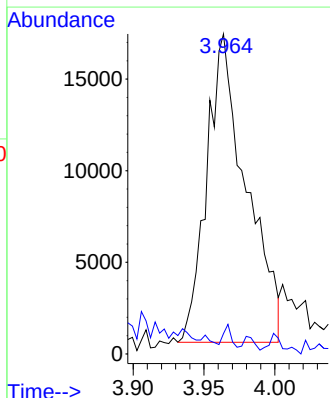
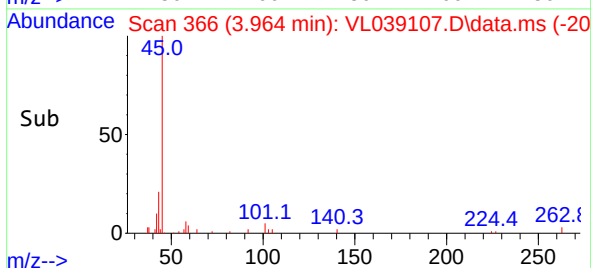
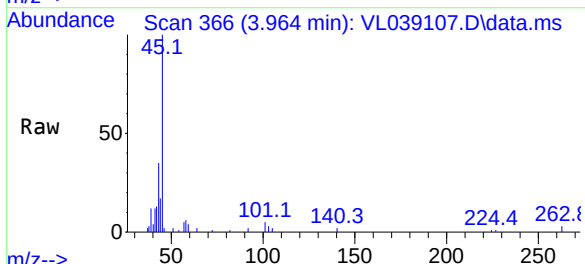
Manual Integrations
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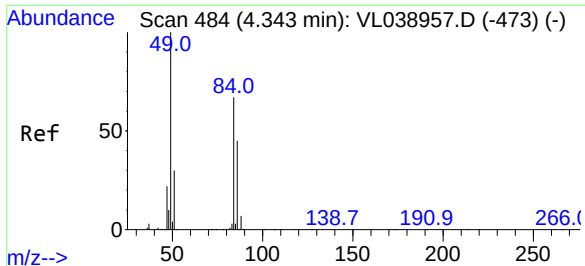
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#19
Isopropyl Alcohol
Concen: 0.614 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.007 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

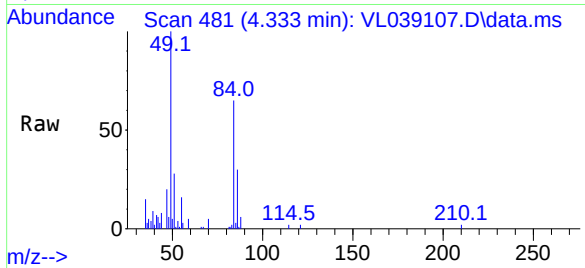
Tgt Ion: 45 Resp: 32610
Ion Ratio Lower Upper
45 100
58 6.7 1.4 2.2#





#20
Methylene Chloride
Concen: 0.548 ppbv m
RT: 4.333 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

Instrument :
MSVOA_L
ClientSampleId :
APB-IDL

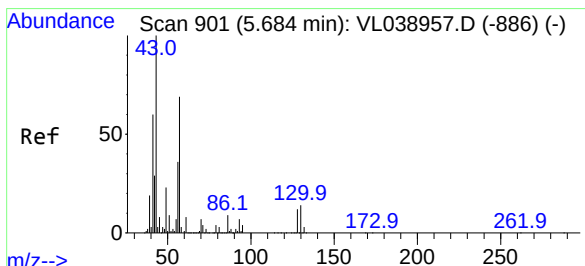
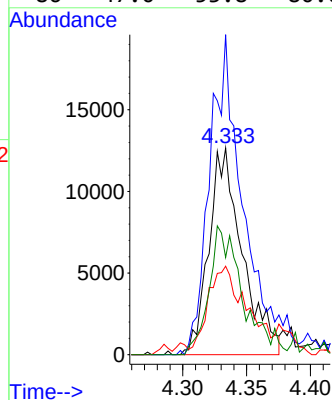
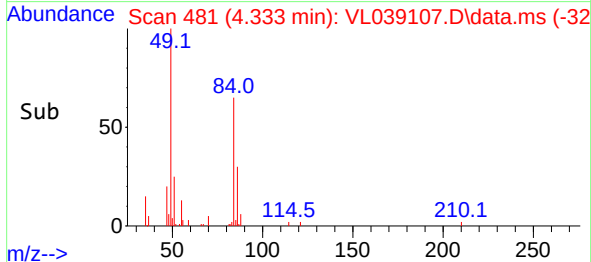


Tgt Ion: 84 Resp: 2306

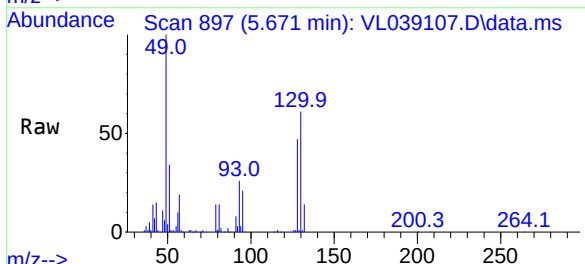
Ion	Ratio	Lower	Upper
84	100		
49	154.8	119.9	179.9
51	42.8	35.7	53.5
86	47.0	53.8	80.6#

Manual Integrations
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Supervised By :Mahesh Dadoda 05/26/2022

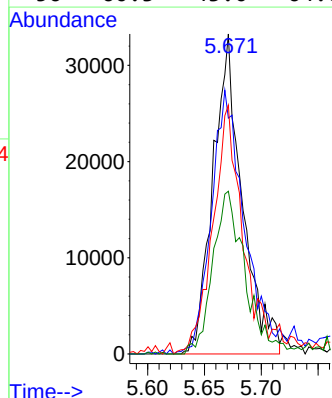
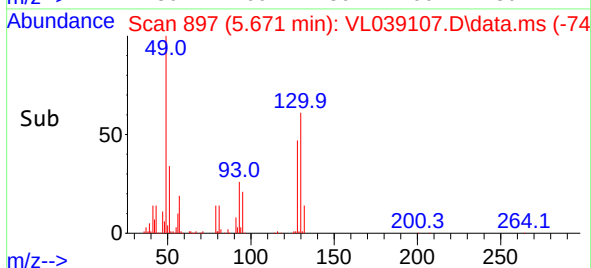


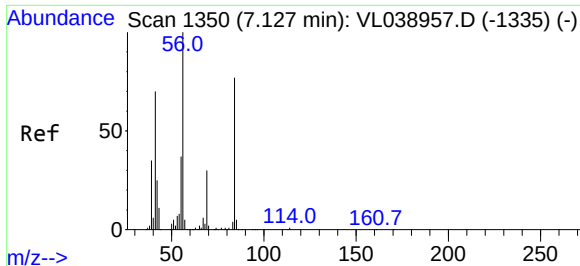
#26
Hexane
Concen: 0.502 ppbv m
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23



Tgt Ion: 57 Resp: 59632

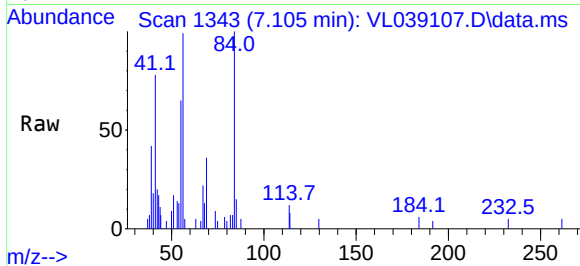
Ion	Ratio	Lower	Upper
57	100		
41	101.2	75.2	112.8
43	88.1	190.8	286.2#
56	60.3	43.0	64.6





#30
Cyclohexane
Concen: 0.129 ppbv m
RT: 7.105 min Scan# 1343
Delta R.T. -0.022 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

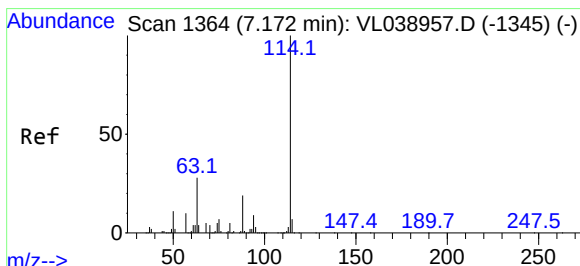
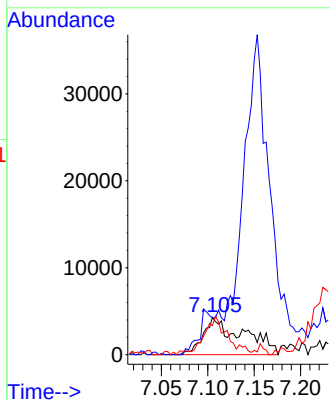
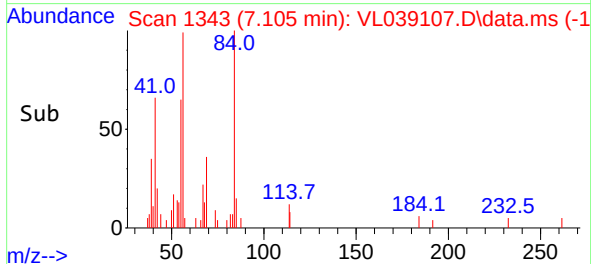
Instrument :
MSVOA_L
ClientSampleId :
APB-1DL



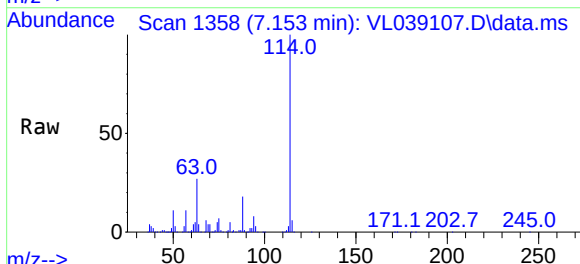
Tgt Ion: 84 Resp: 12820
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9
41 63.6 72.0 108.0

Manual Integrations
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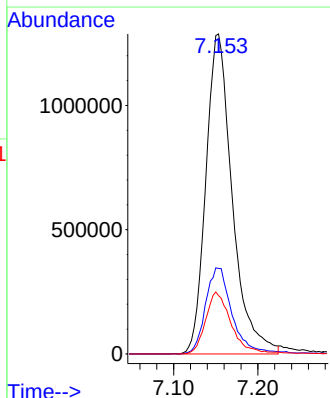
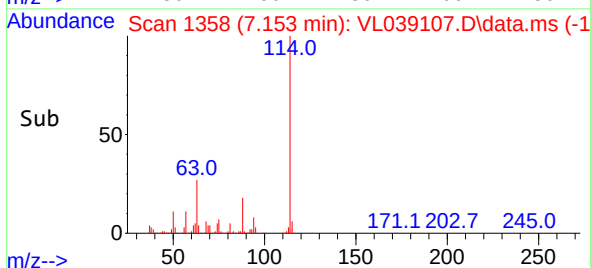
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

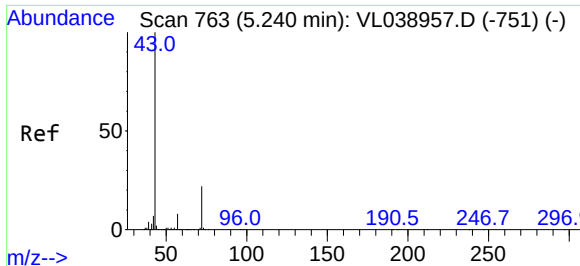


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1358
Delta R.T. -0.019 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23



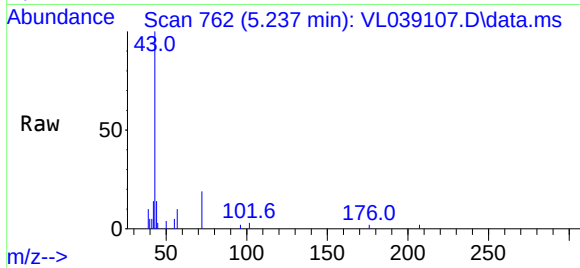
Tgt Ion:114 Resp: 2803911
Ion Ratio Lower Upper
114 100
63 27.8 22.6 33.8
88 19.2 15.4 23.0





#34
2-Butanone
Concen: 0.122 ppbv m
RT: 5.237 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

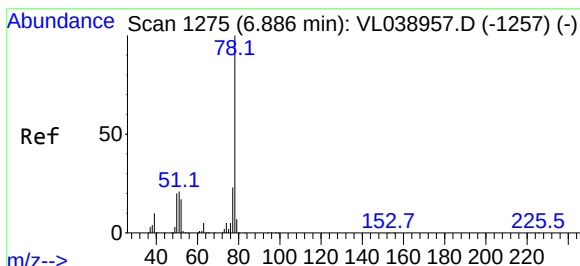
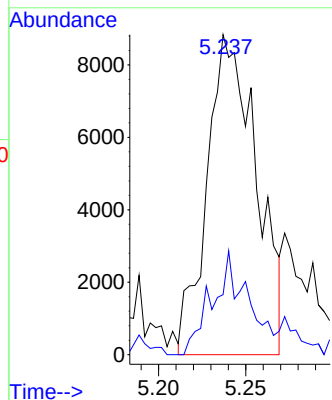
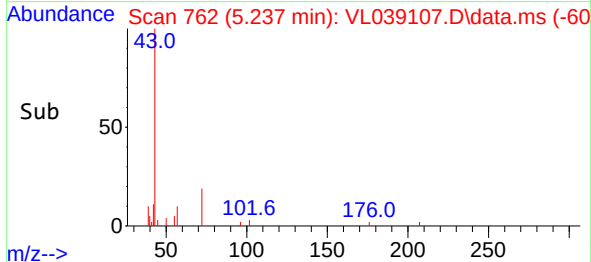
Instrument :
MSVOA_L
ClientSampleId :
APB-IDL



Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
72 32.3 17.8 26.6

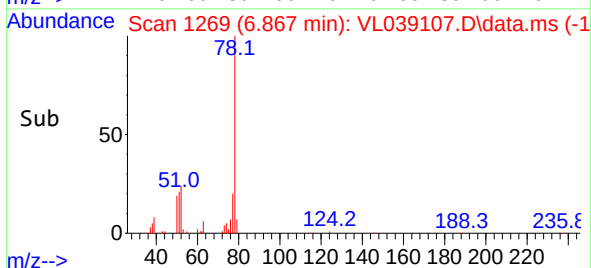
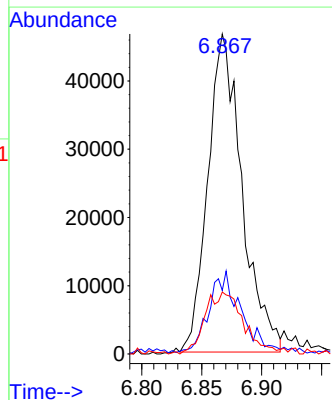
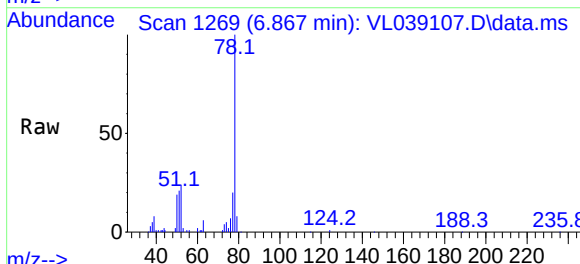
Manual Integrations
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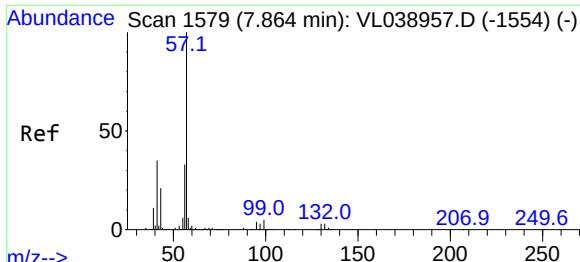
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#36
Benzene
Concen: 0.384 ppbv
RT: 6.867 min Scan# 1269
Delta R.T. -0.019 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

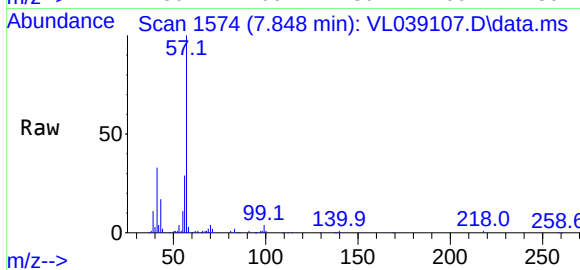
Tgt Ion: 78 Resp: 92259
Ion Ratio Lower Upper
78 100
77 19.1 18.6 28.0
50 19.5 15.6 23.4





#44
2,2,4-Trimethylpentane
Concen: 0.342 ppbv
RT: 7.848 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

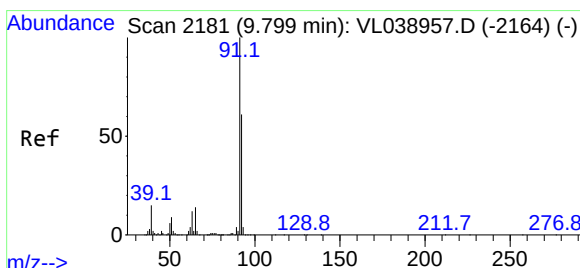
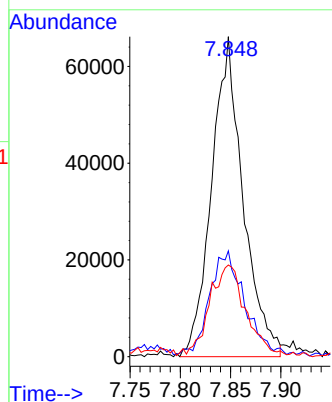
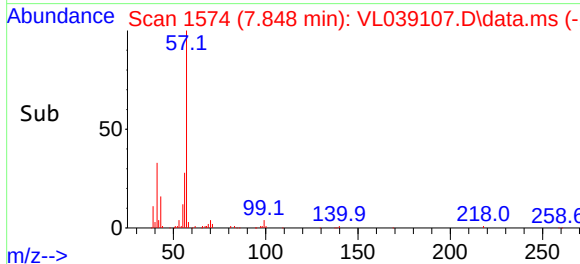
Instrument :
MSVOA_L
ClientSampleId :
APB-IDL



Tgt Ion: 57 Resp: 144091
Ion Ratio Lower Upper
57 100
41 37.1 26.3 39.5
56 33.8 24.6 37.0

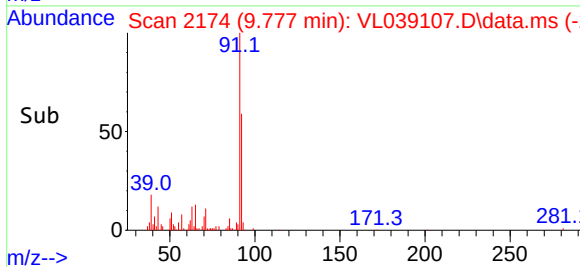
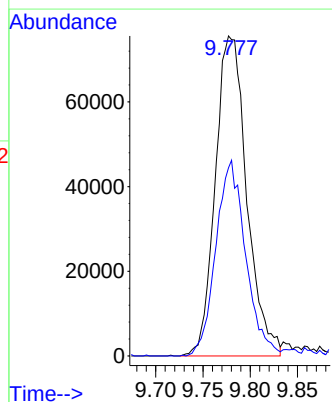
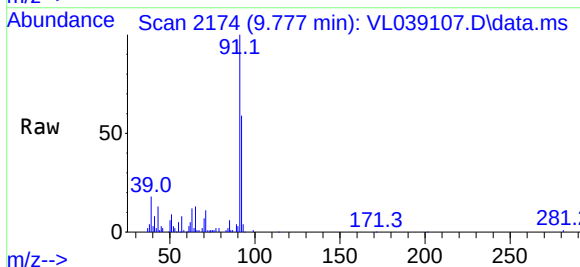
Manual Integrations
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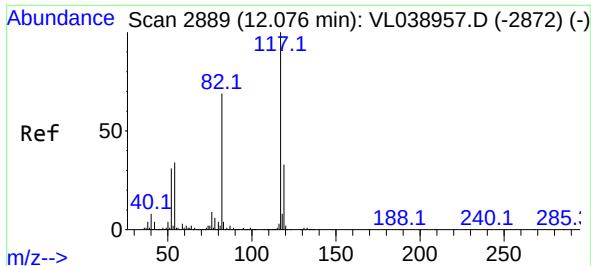
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#53
Toluene
Concen: 0.650 ppbv
RT: 9.777 min Scan# 2174
Delta R.T. -0.022 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

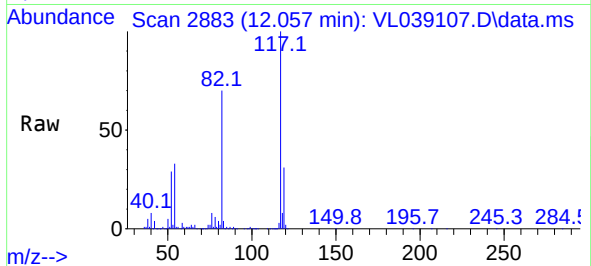
Tgt Ion: 91 Resp: 174821
Ion Ratio Lower Upper
91 100
92 58.8 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.057 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23

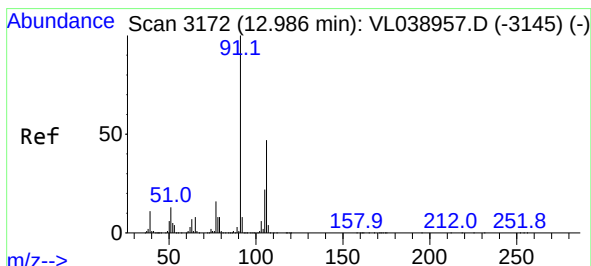
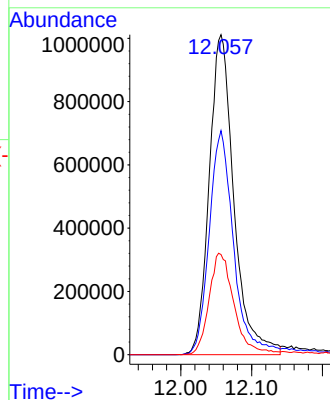
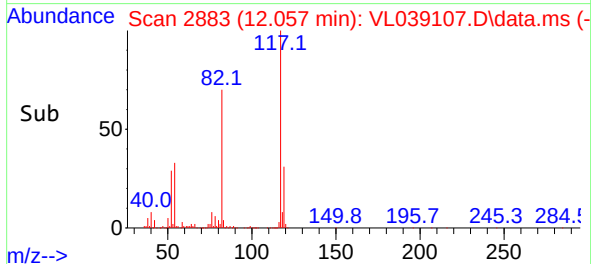
Instrument :
MSVOA_L
ClientSampleId :
APB-IDL



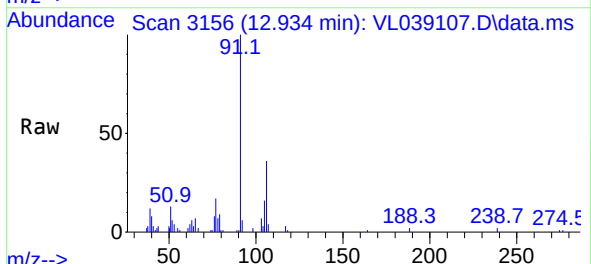
Tgt Ion: 117 Resp: 244859
Ion Ratio Lower Upper
117 100
82 72.2 57.0 85.6
119 33.9 27.2 40.8

Manual Integrations
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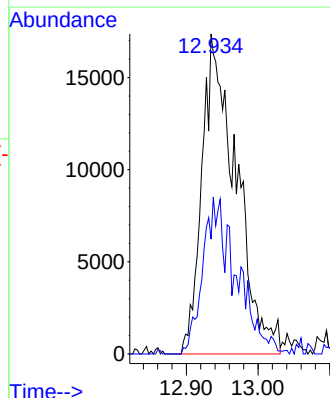
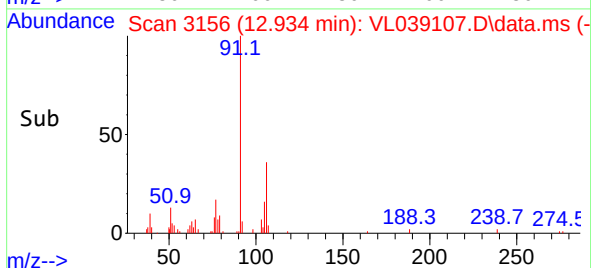
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

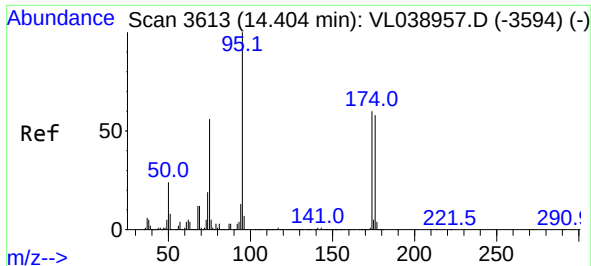


#59
m/p-Xylene
Concen: 0.191 ppbv m
RT: 12.934 min Scan# 3156
Delta R.T. -0.051 min
Lab File: VL039107.D
Acq: 24 May 2022 6:23



Tgt Ion: 91 Resp: 57352
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.797 ppbv
 RT: 14.388 min Scan# 30
 Delta R.T. -0.016 min
 Lab File: VL039107.D
 Acq: 24 May 2022 6:23

Instrument :
 MSVOA_L
 ClientSampleId :
 APB-1DL

Tgt Ion: 95 Resp: 1899788

Ion	Ratio	Lower	Upper
95	100		
174	67.0	50.8	76.2
175	4.5	3.8	5.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/25/2022
 Supervised By :Mahesh Dadoda 05/26/2022

