

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038884.D
 Acq On : 12 Apr 2022 00:16
 Operator : SY/AP
 Sample : N2332-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
 Supervised By :Mahesh Dadoda 04/14/2022

Quant Time: Apr 12 02:56:12 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	1168559	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3035210	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2781901	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2160753	10.240	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.047	85	20215	0.122	ppbv	95
4) Chloromethane	3.137	50	12759m	0.173	ppbv	
9) Propene	3.022	41	84813	1.124	ppbv #	79
10) Heptane	8.118	43	185452	0.976	ppbv	94
13) Ethanol	3.594	45	1438608	313.736	ppbv #	100
15) Acetone	3.851	43	2202216	18.929	ppbv	98
19) Isopropyl Alcohol	3.964	45	349287m	5.874	ppbv	
20) Methylene Chloride	4.349	84	33221	0.787	ppbv #	83
25) Ethyl Acetate	5.671	43	430244	1.457	ppbv #	93
30) Cyclohexane	7.127	84	11426m	0.096	ppbv	
34) 2-Butanone	5.243	43	161535	1.347	ppbv	97
36) Benzene	6.886	78	31547	0.114	ppbv #	87
52) Tetrachloroethene	11.208	164	15775m	0.164	ppbv	
53) Toluene	9.799	91	2660035	8.345	ppbv	99
58) Ethyl Benzene	12.706	91	103958	0.250	ppbv	91
59) m/p-Xylene	12.954	91	318014m	0.911	ppbv	
60) o-Xylene	13.680	91	95295	0.292	ppbv	97
61) Styrene	13.516	104	64588	0.324	ppbv	94
74) 1,2,4-Trimethylbenzene	16.754	105	58479	0.158	ppbv #	73

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

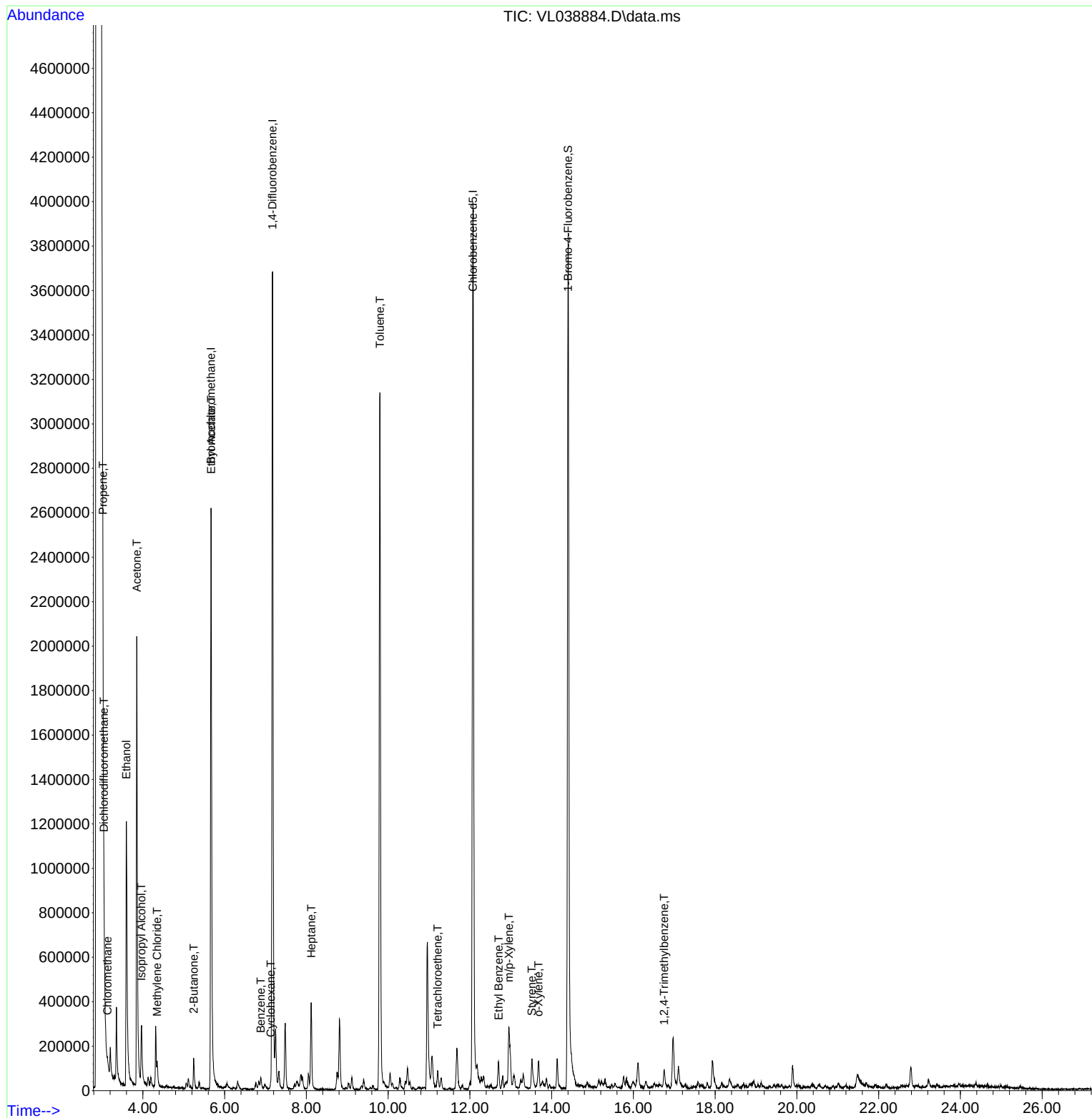
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
Data File : VL038884.D
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Operator : SY/AP
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Misc : 400mL/MSVOA_L
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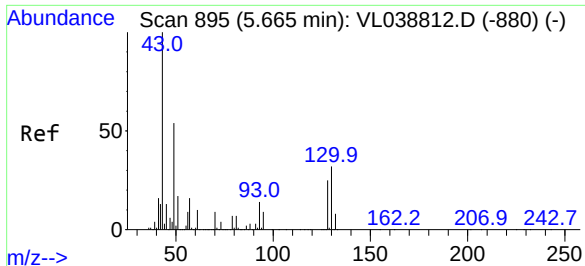
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Quant Time: Apr 12 02:56:12 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

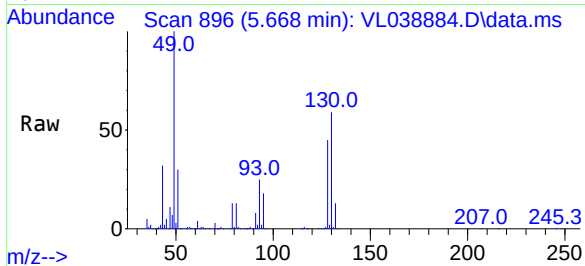
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 895
Delta R.T. 0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

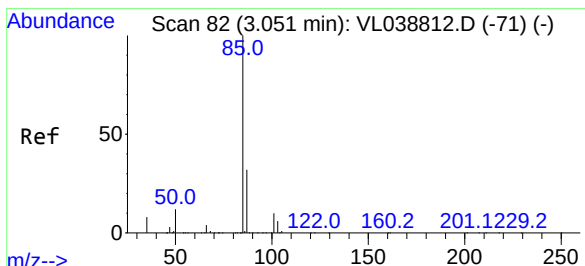
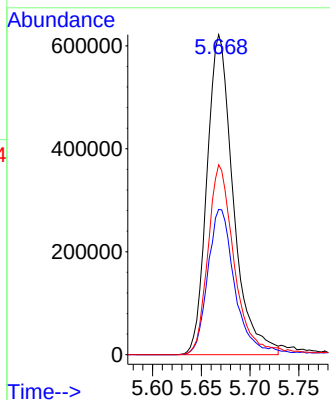
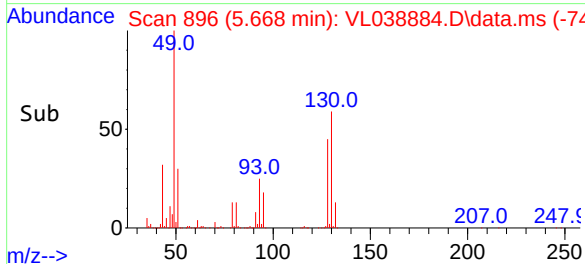
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



Tgt Ion: 49 Resp: 116855
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.5 30.9 92.8

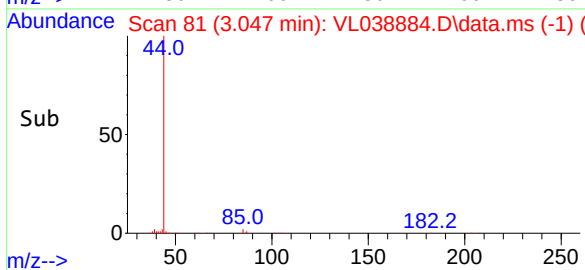
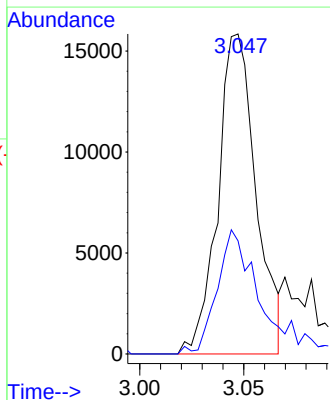
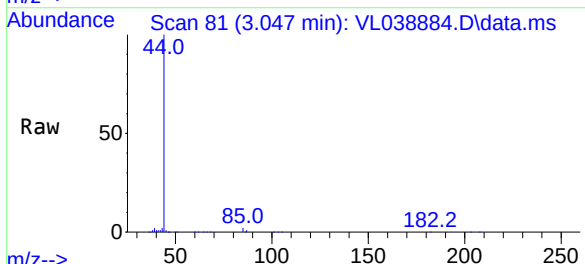
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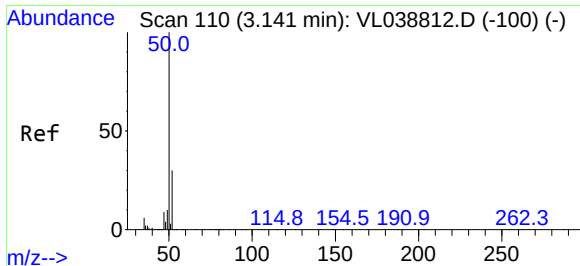
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#2
Dichlorodifluoromethane
Concen: 0.122 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

Tgt Ion: 85 Resp: 20215
Ion Ratio Lower Upper
85 100
87 35.3 25.9 38.9





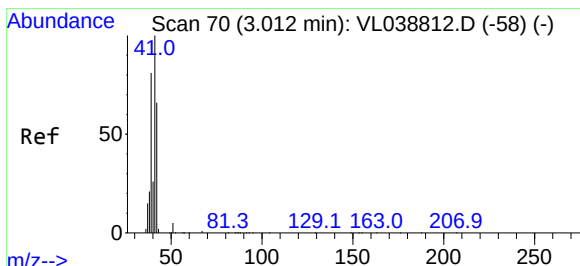
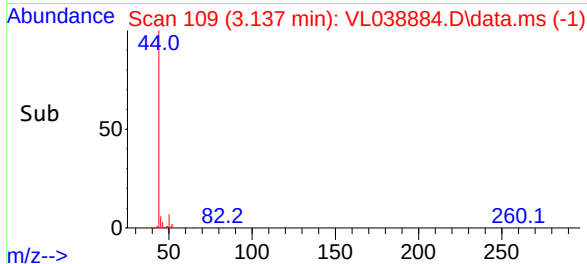
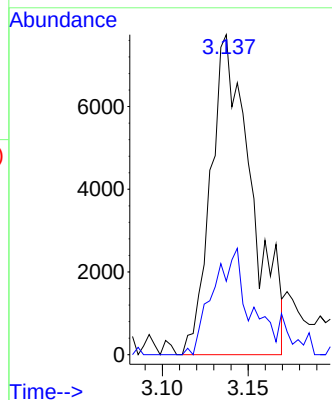
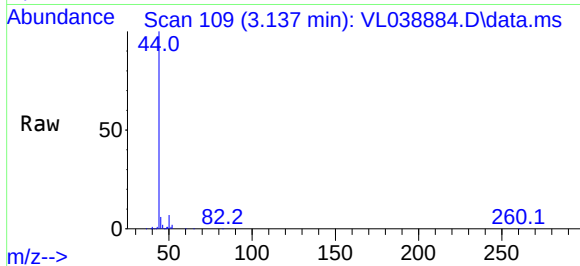
#4
Chloromethane
Concen: 0.173 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Tgt Ion: 50 Resp: 1275
Ion Ratio Lower Upper
50 100
52 22.9 24.3 36.5

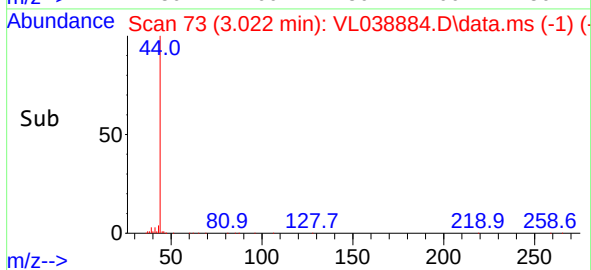
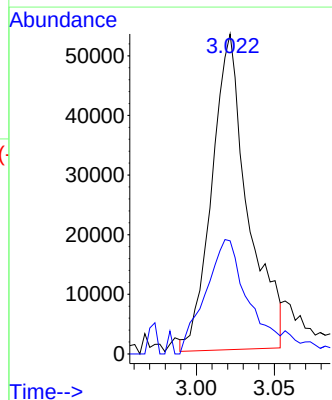
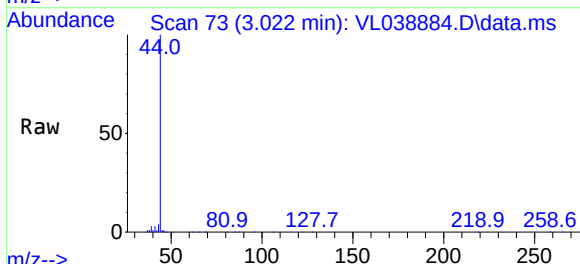
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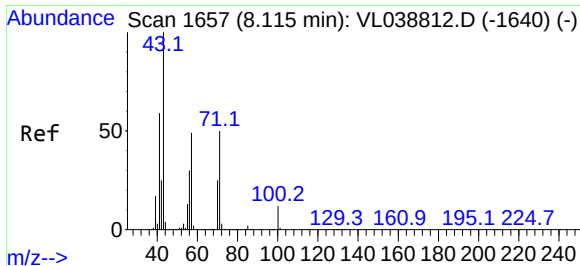
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#9
Propene
Concen: 1.124 ppbv
RT: 3.022 min Scan# 73
Delta R.T. 0.010 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

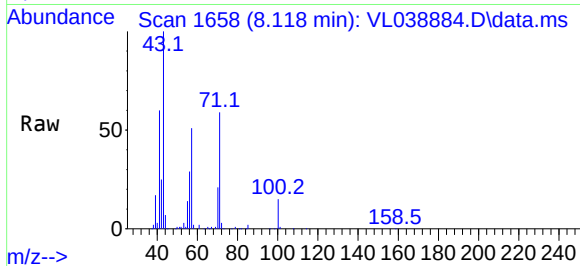
Tgt Ion: 41 Resp: 84813
Ion Ratio Lower Upper
41 100
42 50.8 54.2 81.4





#10
Heptane
Concen: 0.976 ppbv
RT: 8.118 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

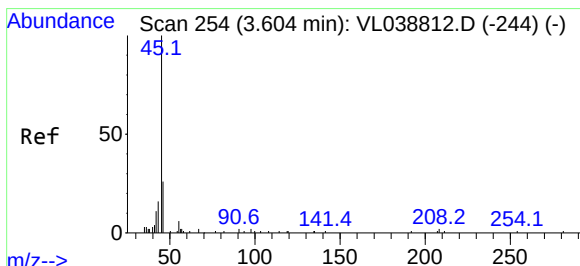
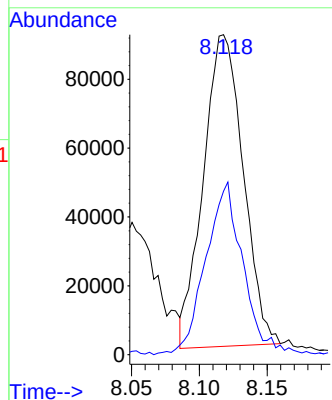
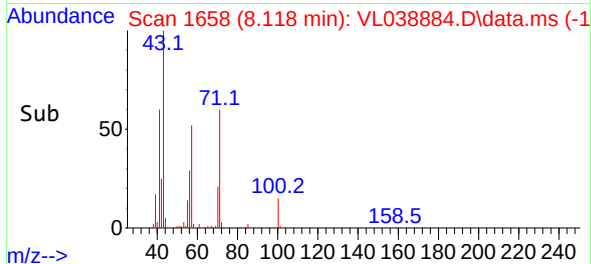
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



Tgt Ion: 43 Resp: 185452
Ion Ratio Lower Upper
43 100
57 52.9 39.3 58.9

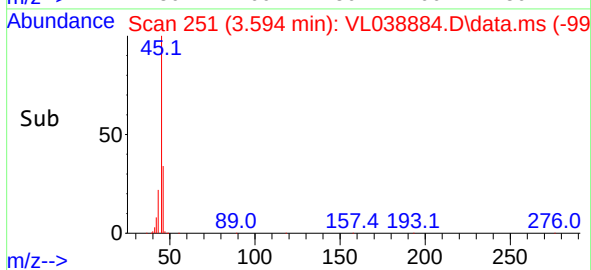
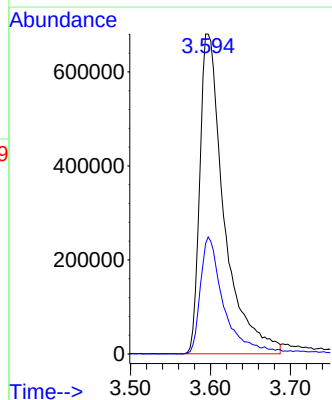
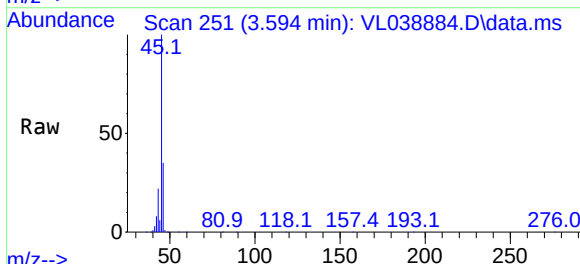
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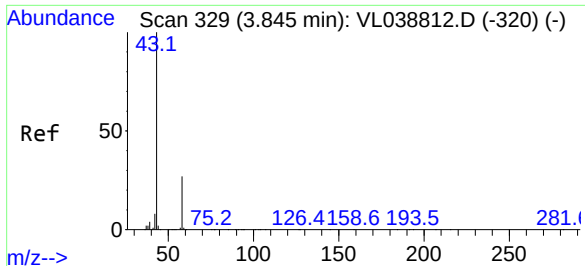
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#13
Ethanol
Concen: 313.736 ppbv
RT: 3.594 min Scan# 251
Delta R.T. -0.010 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

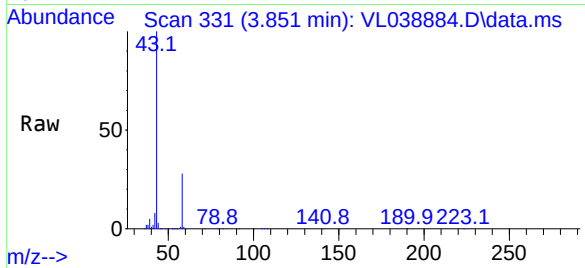
Tgt Ion: 45 Resp: 1438608
Ion Ratio Lower Upper
45 100
46 36.6 0.0 0.0#





#15
Acetone
Concen: 18.929 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

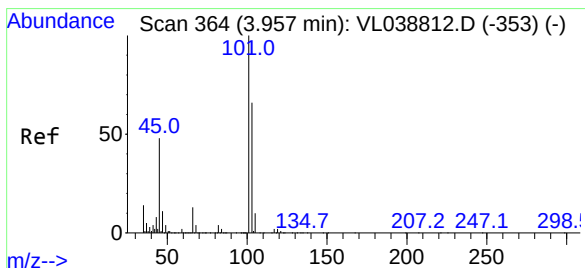
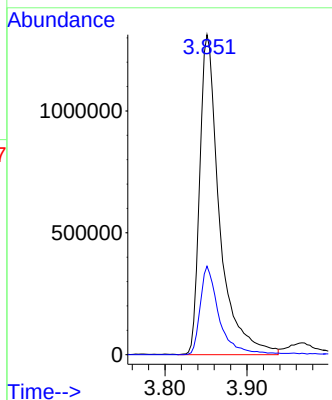
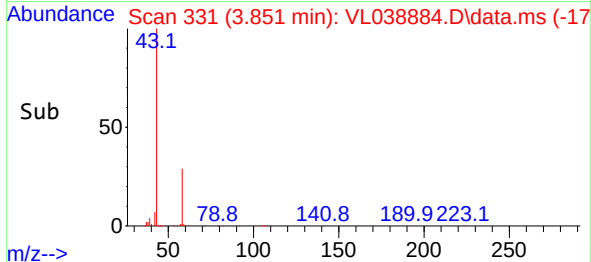
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



Tgt Ion: 43 Resp: 2202210
Ion Ratio Lower Upper
43 100
58 26.9 22.5 33.7

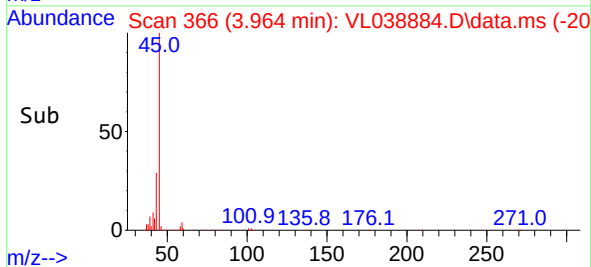
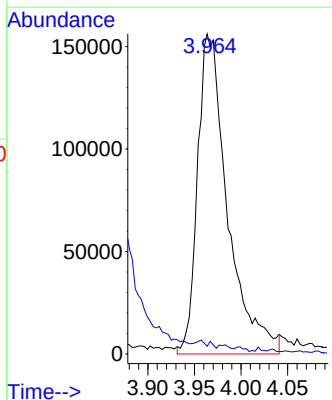
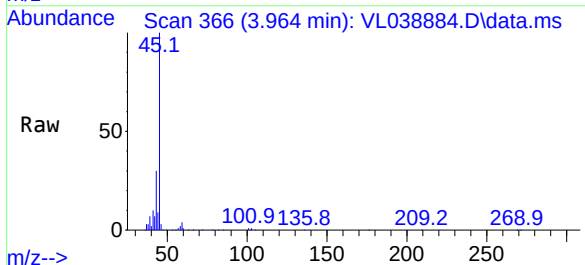
Manual Integrations
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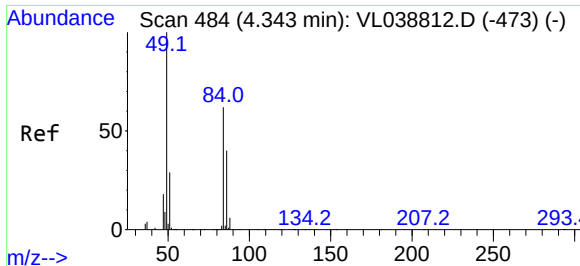
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#19
Isopropyl Alcohol
Concen: 5.874 ppbv m
RT: 3.964 min Scan# 366
Delta R.T. 0.006 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

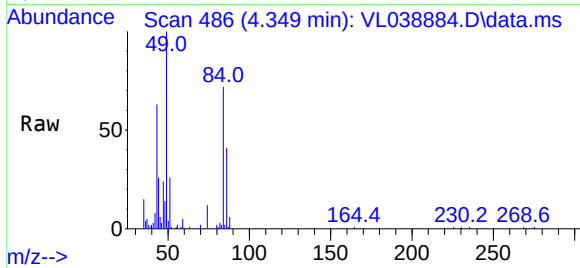
Tgt Ion: 45 Resp: 349287
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0





#20
Methylene Chloride
Concen: 0.787 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.006 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

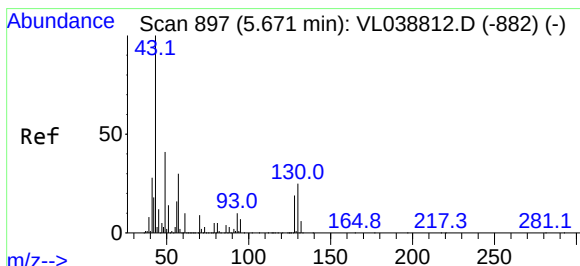
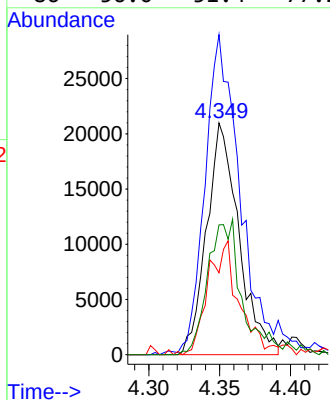
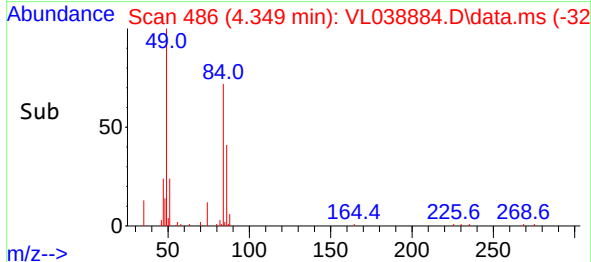
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



Tgt Ion: 84 Resp: 33220
Ion Ratio Lower Upper
84 100
49 137.2 129.4 194.0
51 34.0 37.4 56.2
86 56.0 51.4 77.2

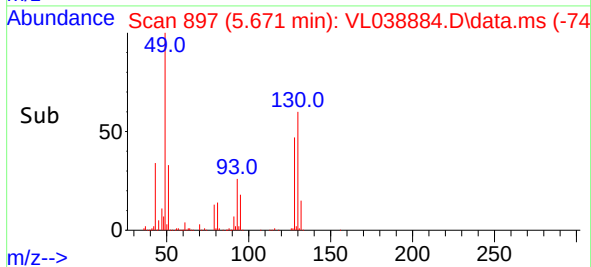
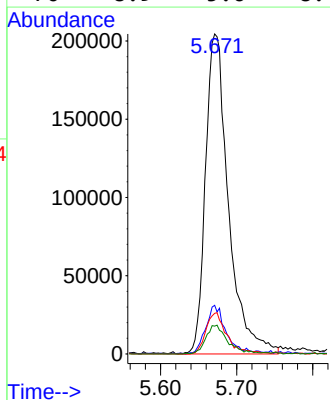
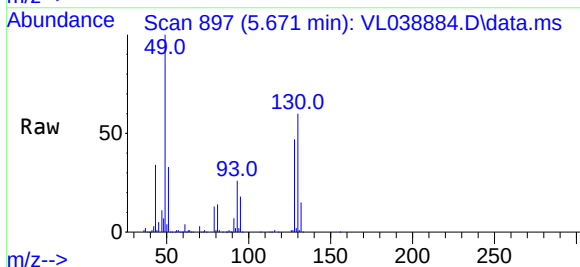
Manual Integrations
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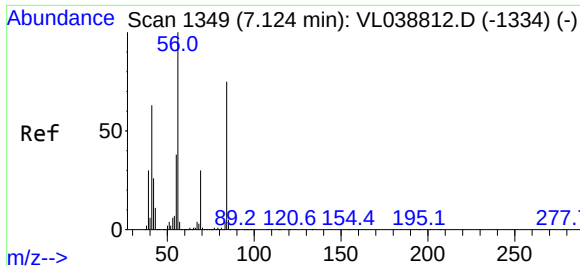
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#25
Ethyl Acetate
Concen: 1.457 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.000 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

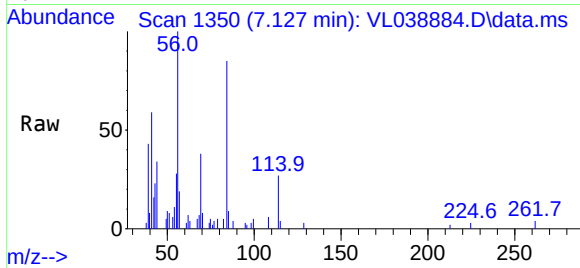
Tgt Ion: 43 Resp: 430244
Ion Ratio Lower Upper
43 100
45 13.8 8.4 12.6#
61 12.1 7.9 11.9#
70 8.9 5.6 8.4#





#30
Cyclohexane
Concen: 0.096 ppbv m
RT: 7.127 min Scan# 1142
Delta R.T. 0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

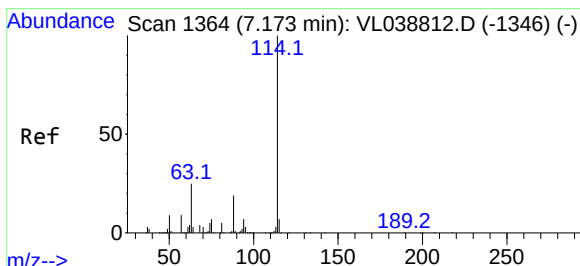
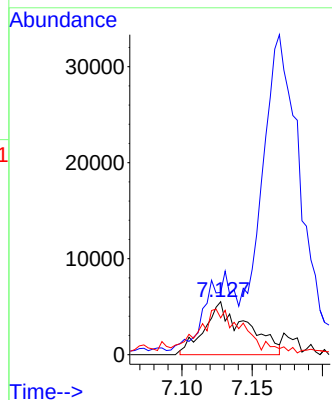
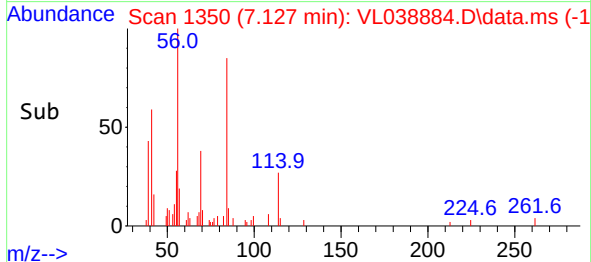
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IA-5DL



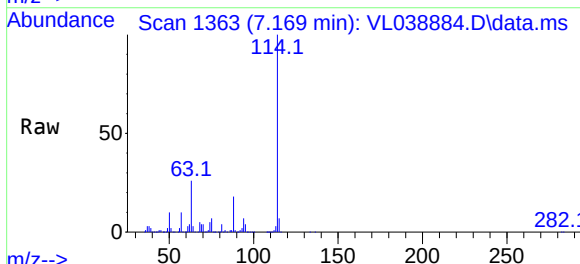
Tgt Ion: 84 Resp: 11420
Ion Ratio Lower Upper
84 100
56 0.0 114.4 171.6
41 95.4 69.0 103.4

Manual Integrations
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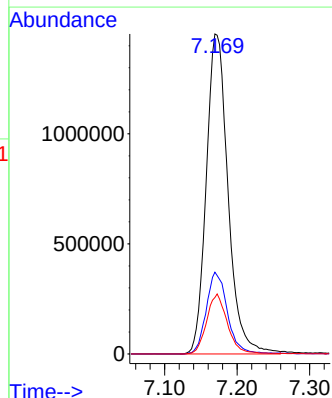
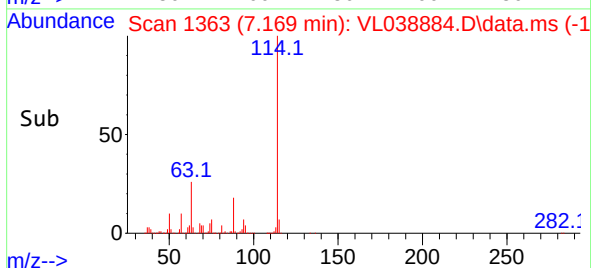
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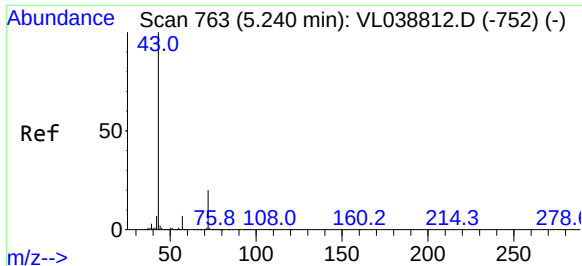


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16



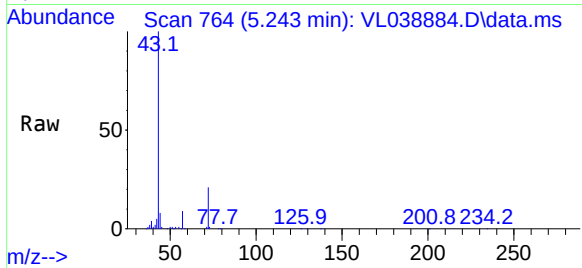
Tgt Ion:114 Resp: 3035210
Ion Ratio Lower Upper
114 100
63 25.1 19.8 29.8
88 18.1 14.2 21.4





#34
2-Butanone
Concen: 1.347 ppbv
RT: 5.243 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

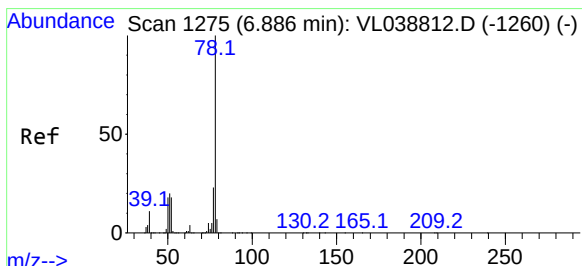
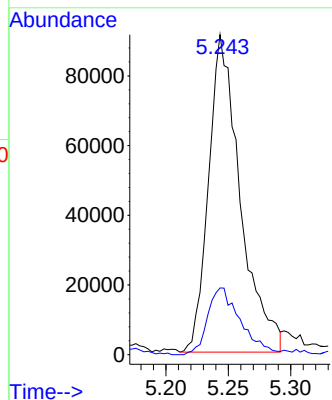
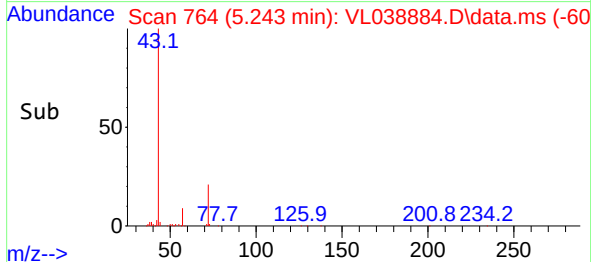
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



Tgt Ion: 43 Resp: 16153
Ion Ratio Lower Upper
43 100
72 22.7 16.9 25.3

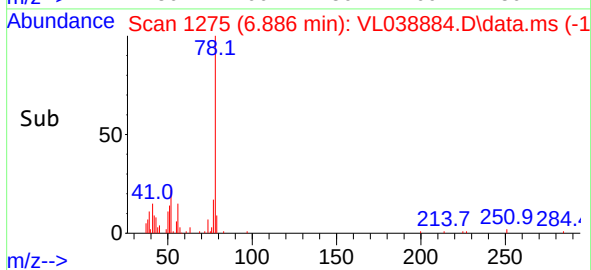
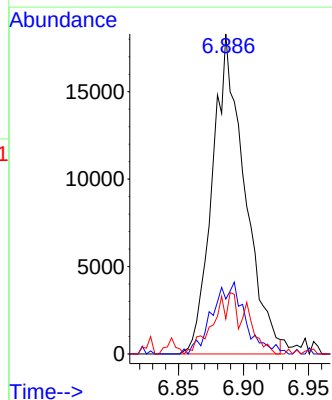
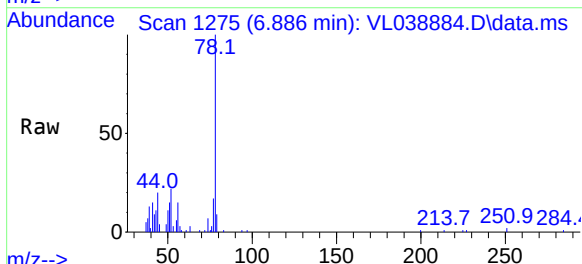
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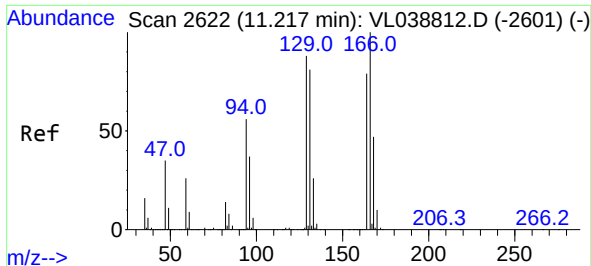
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#36
Benzene
Concen: 0.114 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. -0.000 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

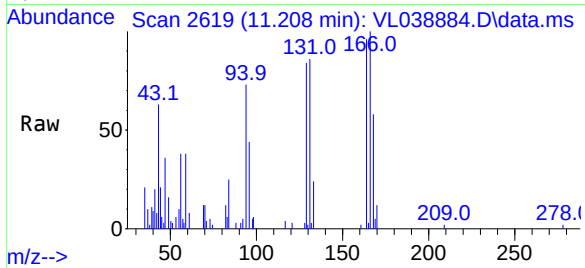
Tgt Ion: 78 Resp: 31547
Ion Ratio Lower Upper
78 100
77 17.2 18.2 27.2#
50 11.0 14.0 21.0#





#52
Tetrachloroethene
Concen: 0.164 ppbv m
RT: 11.208 min Scan# 2619
Delta R.T. -0.010 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

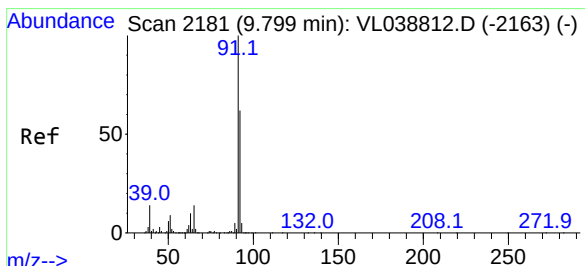
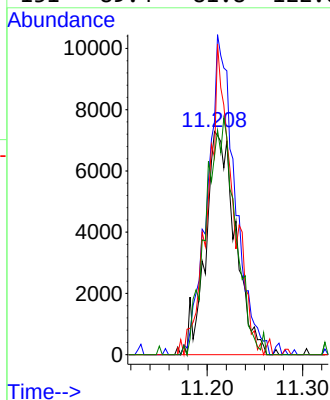
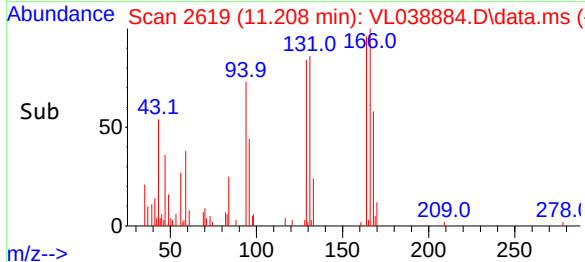
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL



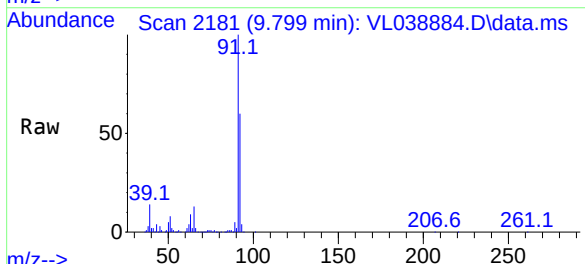
Tgt Ion:164 Resp: 15779
Ion Ratio Lower Upper
164 100
166 104.5 101.0 151.6
129 88.3 88.7 133.1
131 89.4 81.8 122.6

Manual Integrations
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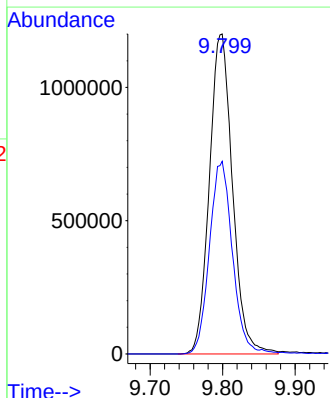
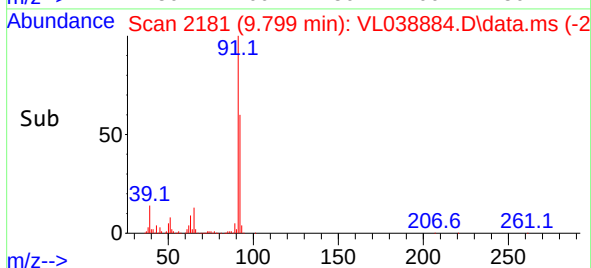
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

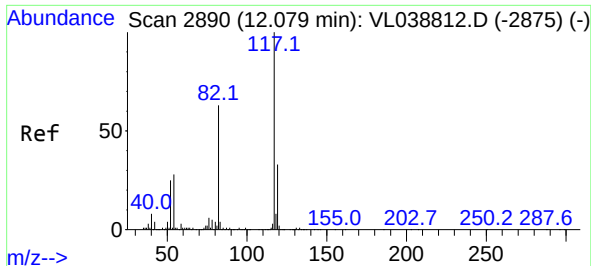


#53
Toluene
Concen: 8.345 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. -0.000 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16



Tgt Ion: 91 Resp: 2660035
Ion Ratio Lower Upper
91 100
92 60.6 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. -0.003 min

Lab File: VL038884.D

Acq: 12 Apr 2022 00:16

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tgt Ion:117 Resp: 278190

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.0	79.6
119	33.2	24.9	37.3

117 100

82 67.3 53.0 79.6

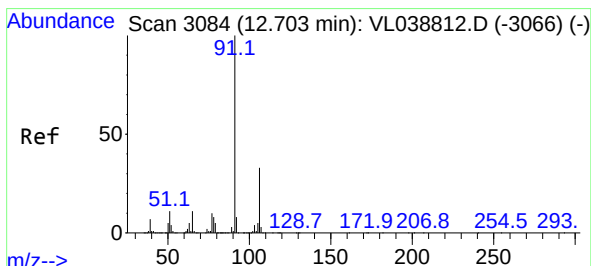
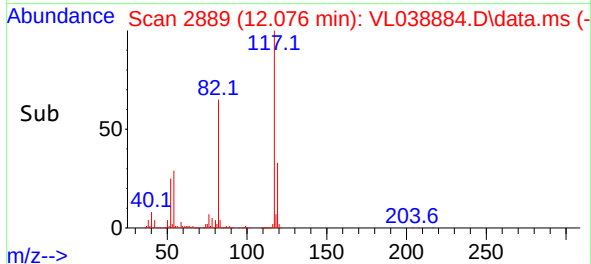
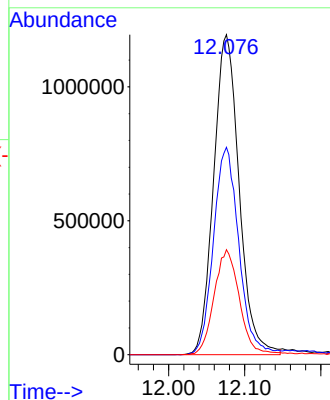
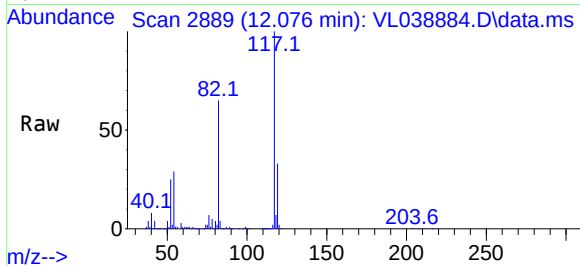
119 33.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022

Supervised By :Mahesh Dadoda 04/14/2022



#58

Ethyl Benzene

Concen: 0.250 ppbv

RT: 12.706 min Scan# 3085

Delta R.T. 0.003 min

Lab File: VL038884.D

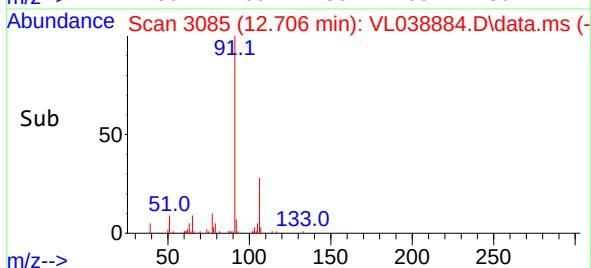
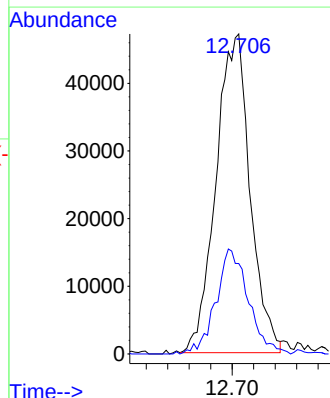
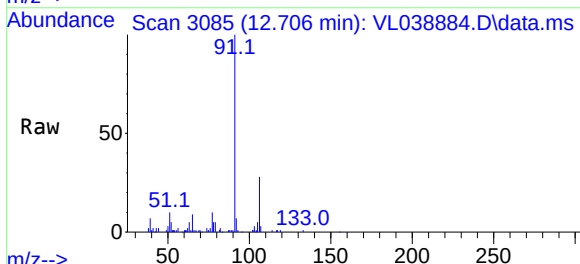
Acq: 12 Apr 2022 00:16

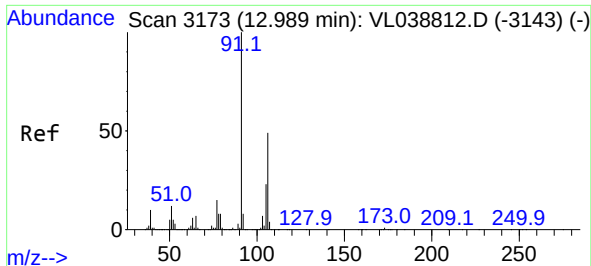
Tgt Ion: 91 Resp: 103958

Ion	Ratio	Lower	Upper
91	100		
106	28.4	26.7	40.1

91 100

106 28.4 26.7 40.1





#59

m/p-Xylene

Concen: 0.911 ppbv m

RT: 12.954 min Scan# 31

Delta R.T. -0.035 min

Lab File: VL038884.D

Acq: 12 Apr 2022 00:16

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL

Tgt Ion: 91 Resp: 318014

Ion Ratio Lower Upper

91 100

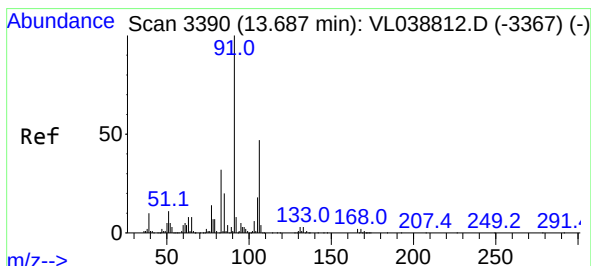
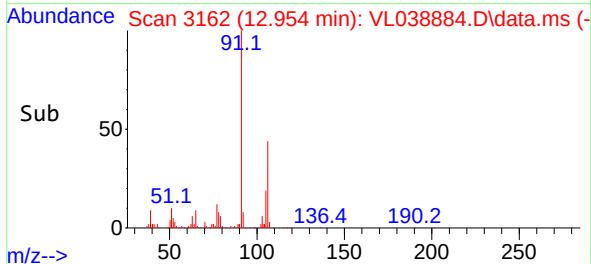
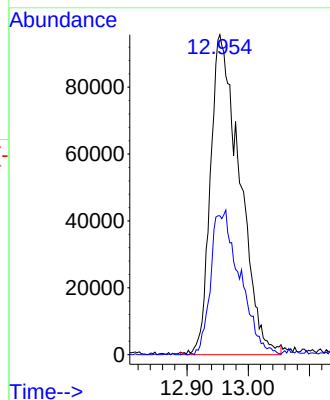
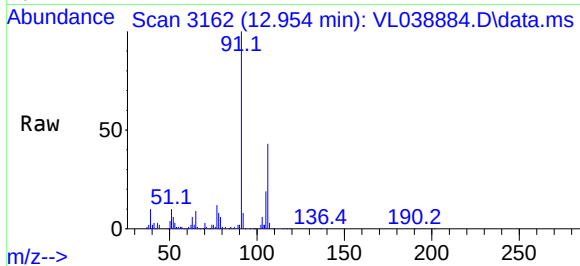
106 0.0 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022

Supervised By :Mahesh Dadoda 04/14/2022



#60

o-Xylene

Concen: 0.292 ppbv

RT: 13.680 min Scan# 3388

Delta R.T. -0.007 min

Lab File: VL038884.D

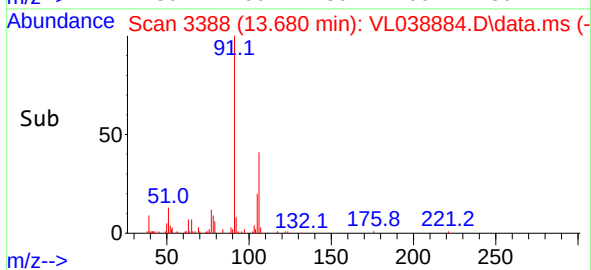
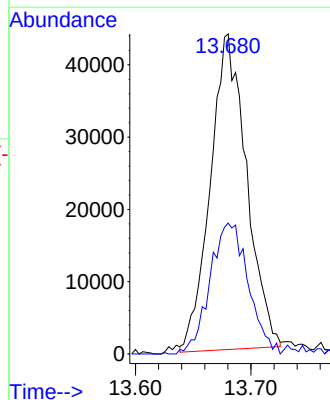
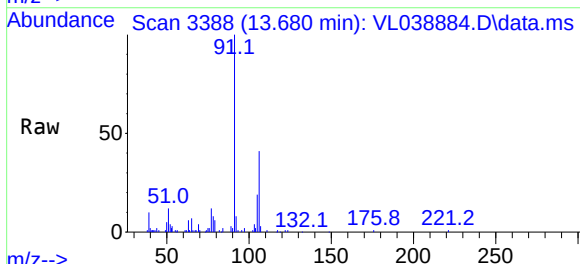
Acq: 12 Apr 2022 00:16

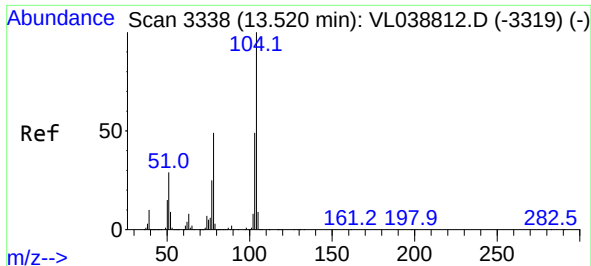
Tgt Ion: 91 Resp: 95295

Ion Ratio Lower Upper

91 100

106 45.6 23.8 71.4





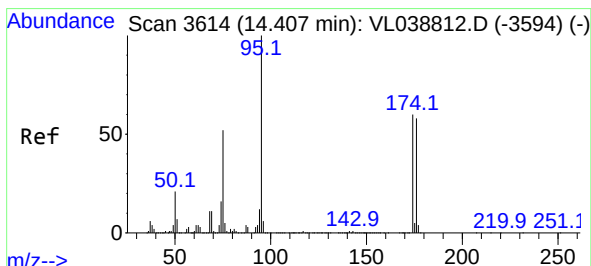
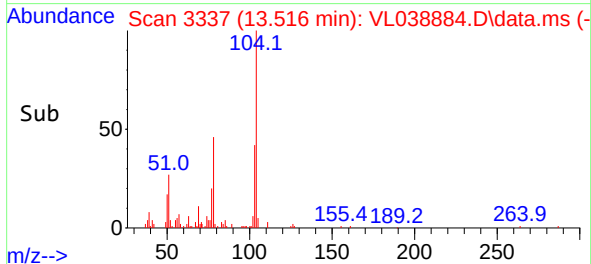
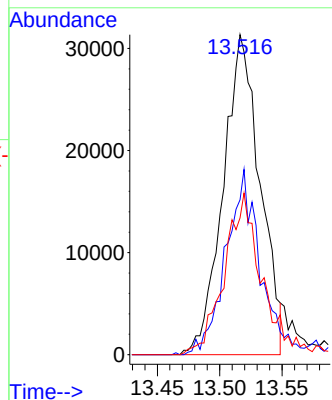
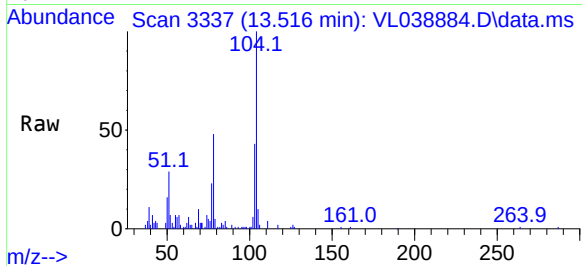
#61
Styrene
Concen: 0.324 ppbv
RT: 13.516 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL

Tgt Ion:104 Resp: 6458
Ion Ratio Lower Upper
104 100
78 55.8 40.5 60.7
103 51.9 39.0 58.4

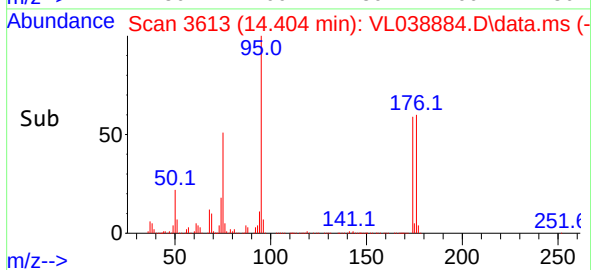
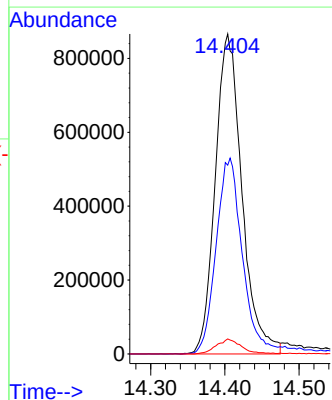
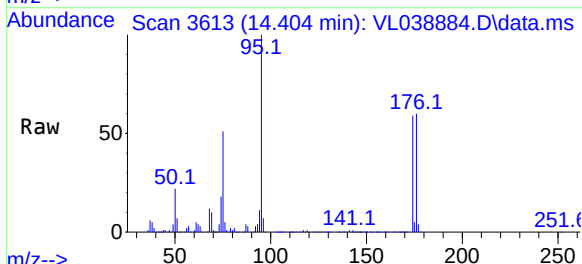
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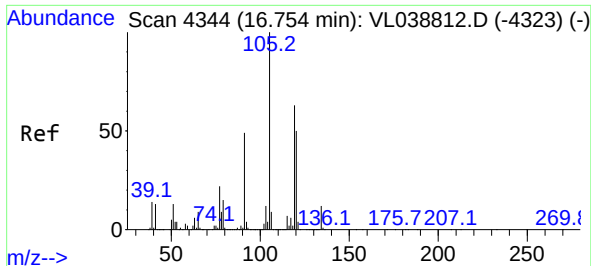
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.240 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.003 min
Lab File: VL038884.D
Acq: 12 Apr 2022 00:16

Tgt Ion: 95 Resp: 2160753
Ion Ratio Lower Upper
95 100
174 63.6 52.0 78.0
175 4.5 4.0 6.0





#74

1,2,4-Trimethylbenzene

Concen: 0.158 ppbv

RT: 16.754 min Scan# 4344

Delta R.T. -0.000 min

Lab File: VL038884.D

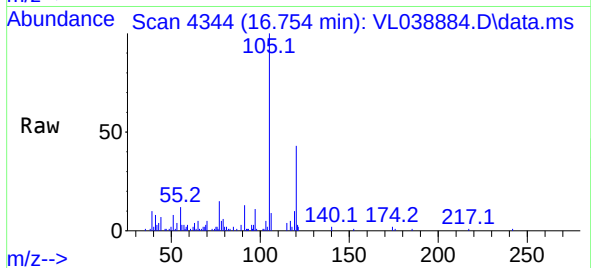
Acq: 12 Apr 2022 00:16

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL



Tgt Ion:	105	Resp:	58479
Ion	Ratio	Lower	Upper
105	100		
120	46.0	39.8	59.8
91	12.0	39.4	59.0
77	15.1	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

