

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
 Data File : VL038882.D
 Acq On : 11 Apr 2022 22:57
 Operator : SY/AP
 Sample : N2332-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Manual Integrations
 APPROVED

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

Quant Time: Apr 12 02:54:26 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	1179688	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3084316	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2772195	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2171524	10.327	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	23409	0.140	ppbv #	86
4) Chloromethane	3.144	50	13416m	0.180	ppbv	
9) Propene	3.022	41	194616	2.555	ppbv #	66
10) Heptane	8.118	43	116193	0.606	ppbv	99
13) Ethanol	3.600	45	151020m	32.624	ppbv	
15) Acetone	3.851	43	1538252	13.097	ppbv	99
20) Methylene Chloride	4.353	84	37006m	0.869	ppbv	
25) Ethyl Acetate	5.671	43	667261	2.239	ppbv #	91
34) 2-Butanone	5.247	43	97819	0.803	ppbv	91
36) Benzene	6.890	78	49151m	0.175	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	62567m	0.132	ppbv	
52) Tetrachloroethene	11.217	164	21013	0.214	ppbv #	85
53) Toluene	9.796	91	2369699	7.316	ppbv	99
58) Ethyl Benzene	12.703	91	129333m	0.312	ppbv	
59) m/p-Xylene	12.957	91	408942m	1.175	ppbv	
60) o-Xylene	13.677	91	122685	0.377	ppbv	99
61) Styrene	13.513	104	40937	0.206	ppbv	94
74) 1,2,4-Trimethylbenzene	16.751	105	58296	0.158	ppbv #	72

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

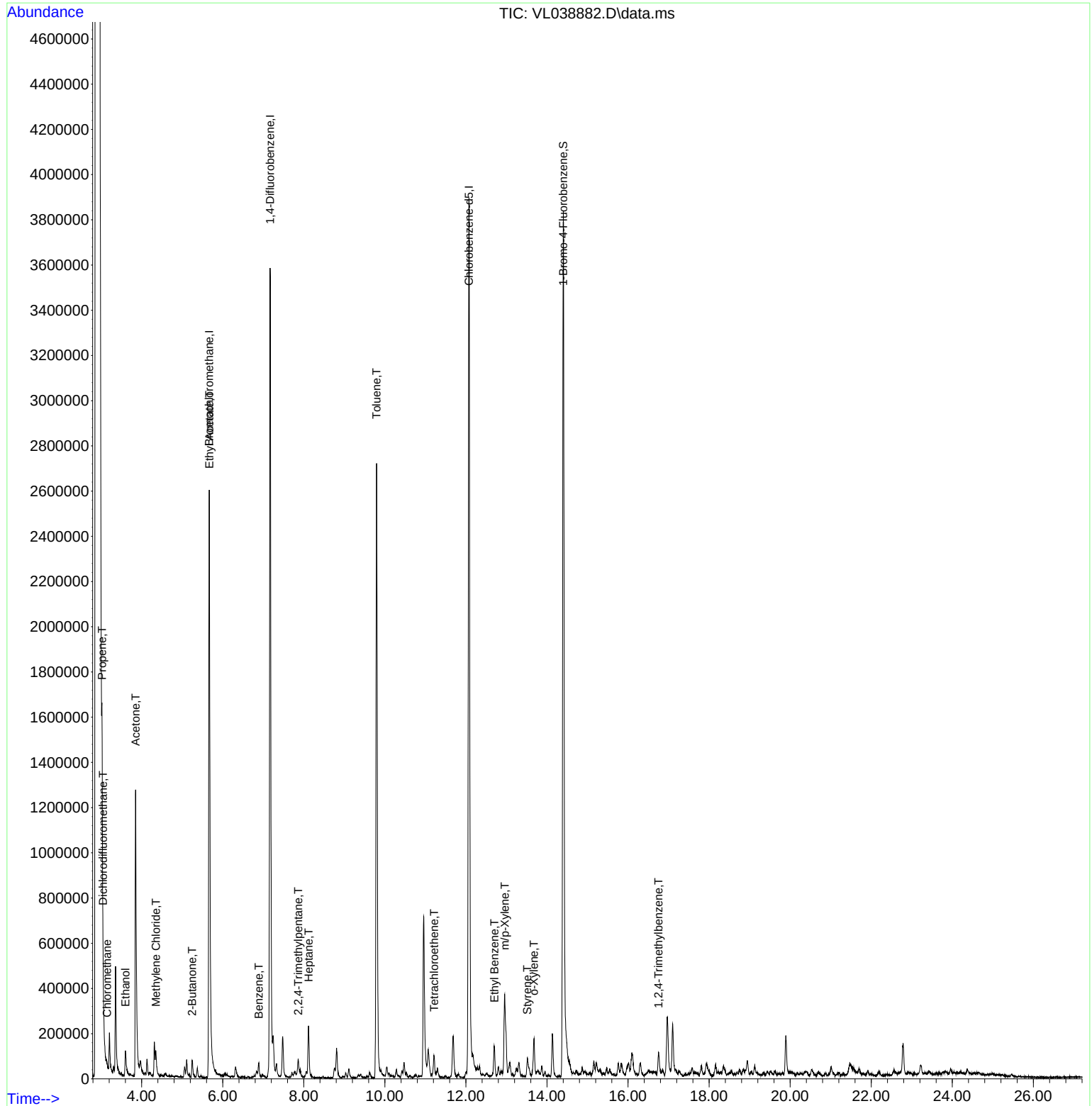
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041122\
Data File : VL038882.D
Acq On : 11 Apr 2022 22:57
Operator : SY/AP
Sample : N2332-04DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

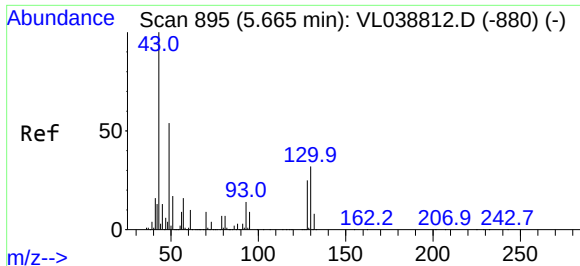
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Quant Time: Apr 12 02:54:26 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

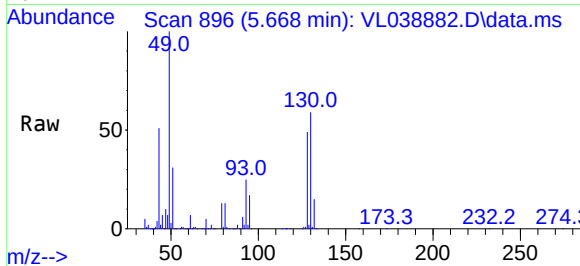
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 895
Delta R.T. 0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

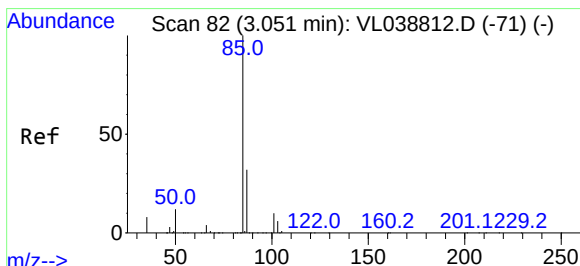
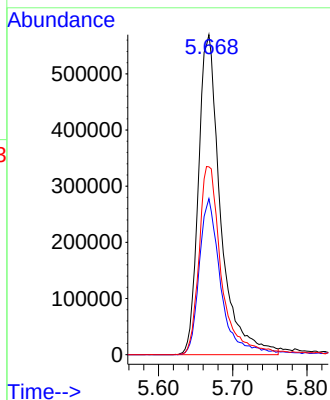
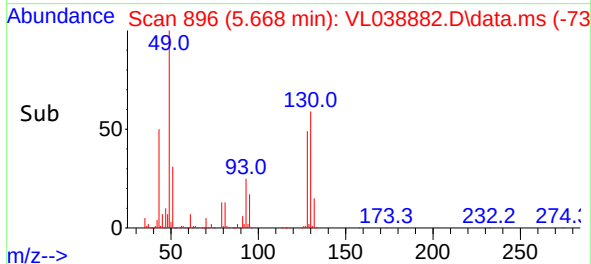
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



Tgt Ion: 49 Resp: 117968
Ion Ratio Lower Upper
49 100
128 48.9 24.1 72.3
130 60.4 30.9 92.8

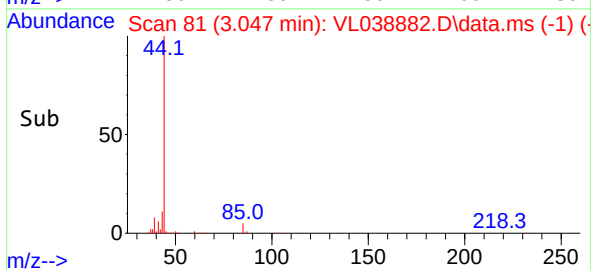
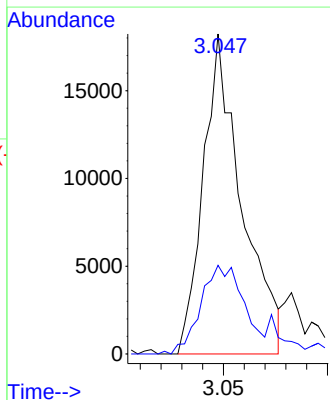
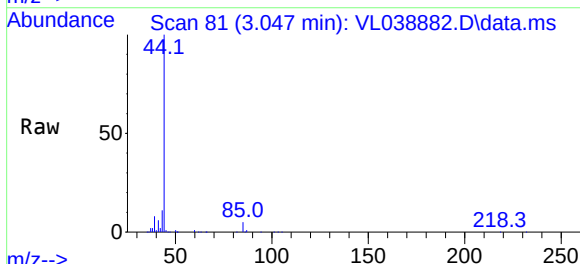
Manual Integrations
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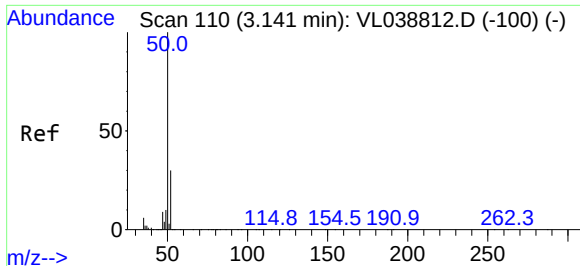
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

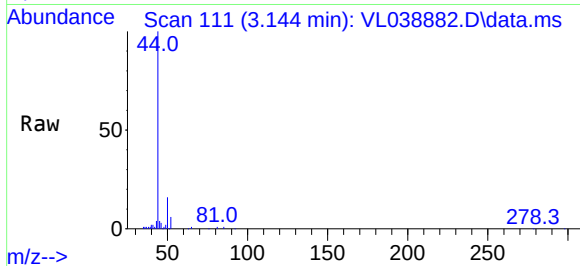
Tgt Ion: 85 Resp: 23409
Ion Ratio Lower Upper
85 100
87 24.7 25.9 38.9





#4
Chloromethane
Concen: 0.180 ppbv m
RT: 3.144 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

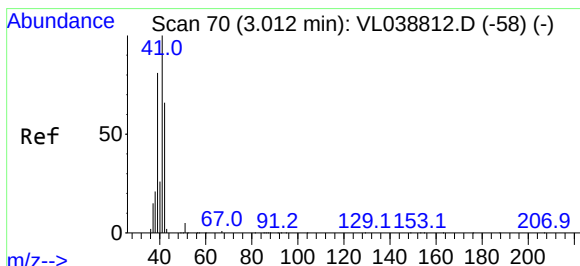
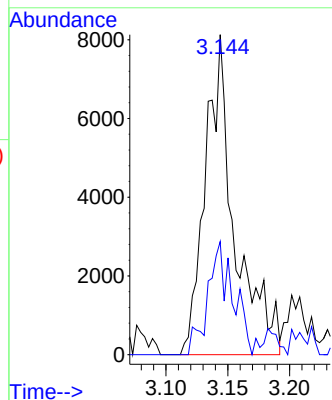
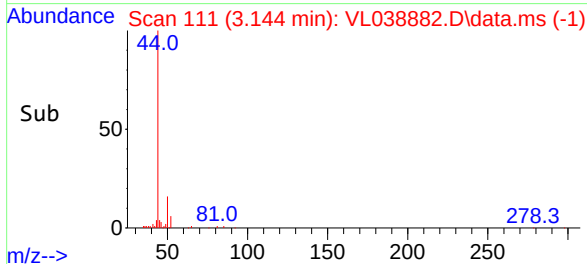
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



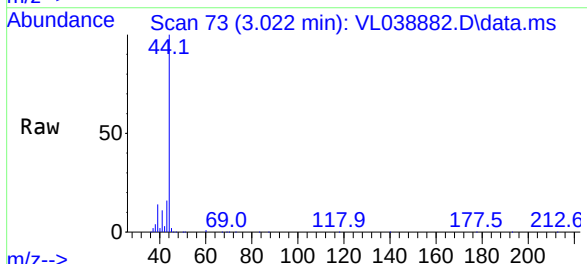
Tgt Ion: 50 Resp: 13410
Ion Ratio Lower Upper
50 100
52 35.4 24.3 36.5

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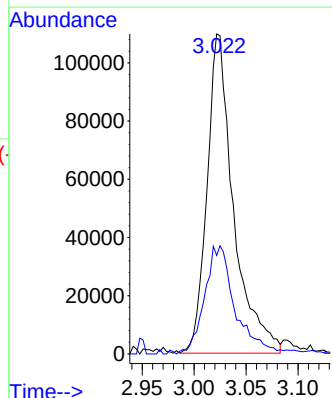
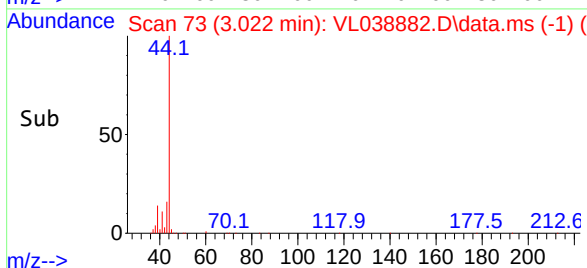
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

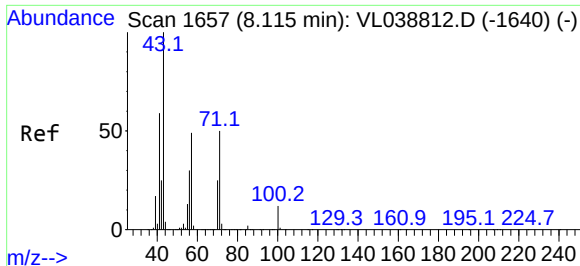


#9
Propene
Concen: 2.555 ppbv
RT: 3.022 min Scan# 73
Delta R.T. 0.010 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57



Tgt Ion: 41 Resp: 194616
Ion Ratio Lower Upper
41 100
42 40.2 54.2 81.4#





#10

Heptane

Concen: 0.606 ppbv

RT: 8.118 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL038882.D

Acq: 11 Apr 2022 22:57

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

Tgt Ion: 43 Resp: 11619

Ion Ratio Lower Upper

43 100

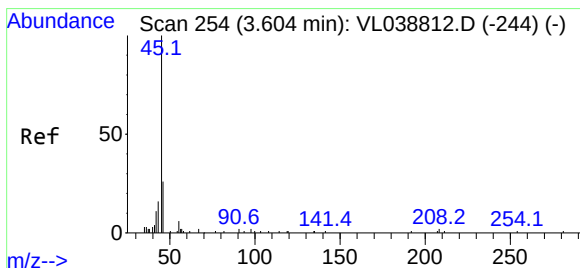
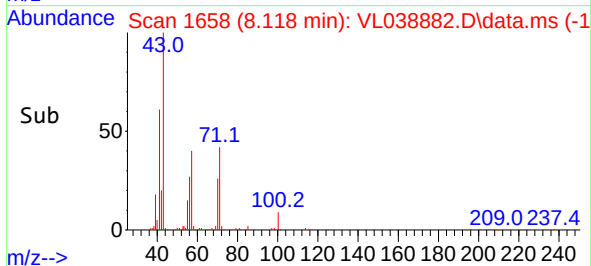
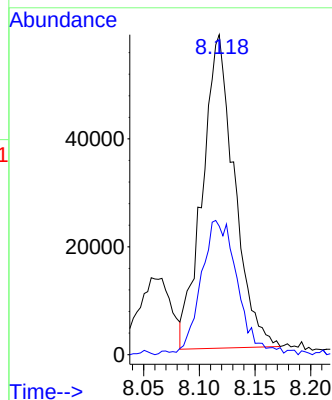
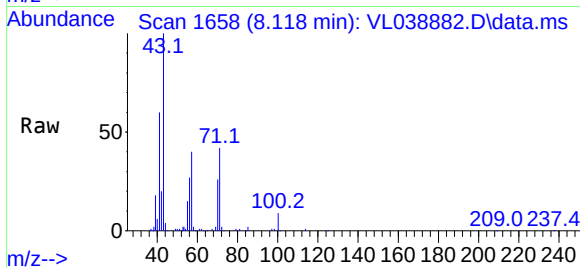
57 50.1 39.3 58.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/13/2022

Supervised By :Mahesh Dadoda 04/14/2022



#13

Ethanol

Concen: 32.624 ppbv m

RT: 3.600 min Scan# 253

Delta R.T. -0.003 min

Lab File: VL038882.D

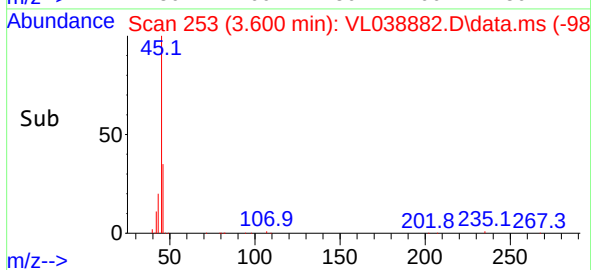
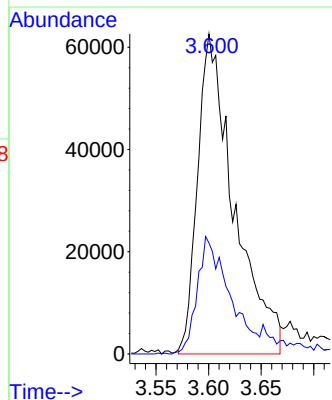
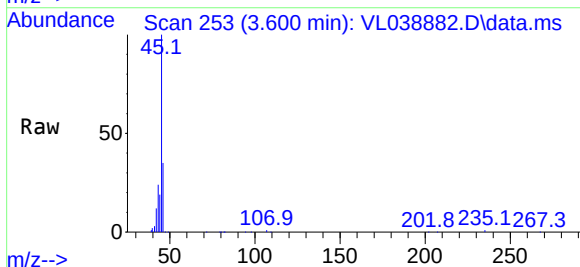
Acq: 11 Apr 2022 22:57

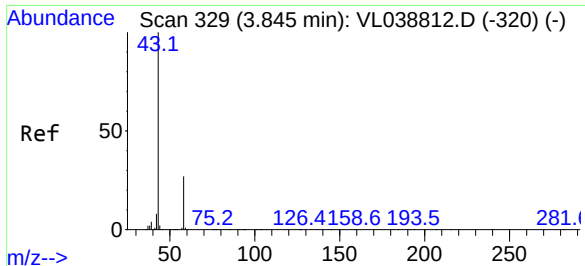
Tgt Ion: 45 Resp: 151020

Ion Ratio Lower Upper

45 100

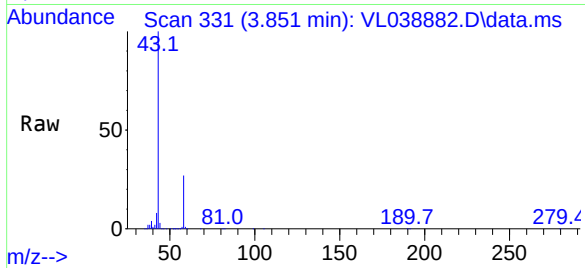
46 39.4 0.0 0.0#





#15
Acetone
Concen: 13.097 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

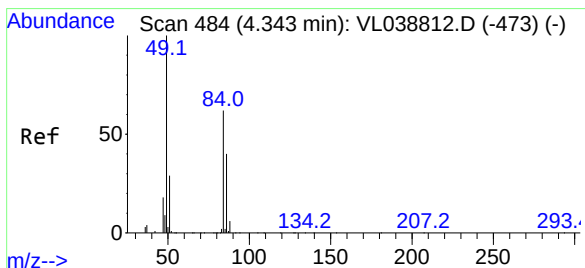
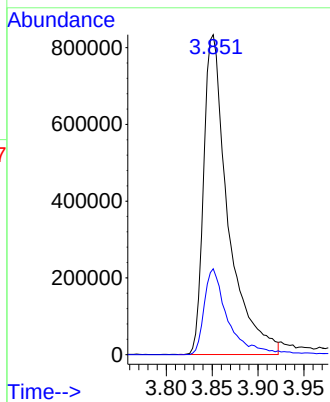
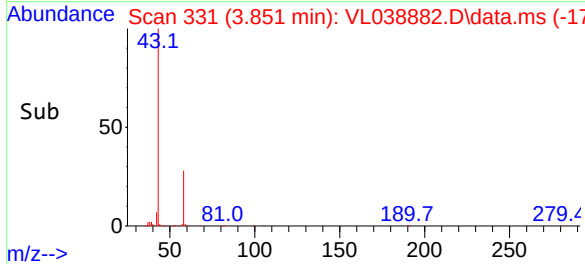
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



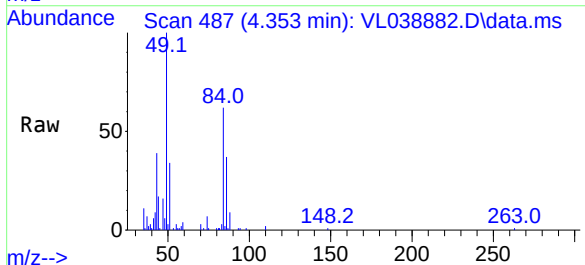
Tgt Ion: 43 Resp: 153825
Ion Ratio Lower Upper
43 100
58 27.4 22.5 33.7

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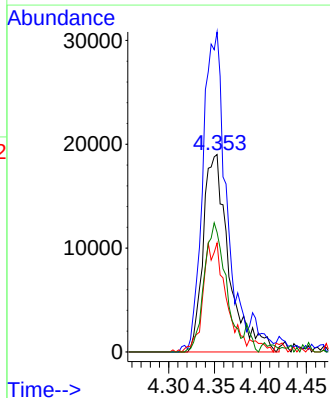
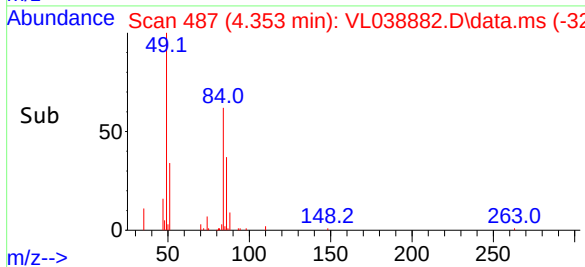
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

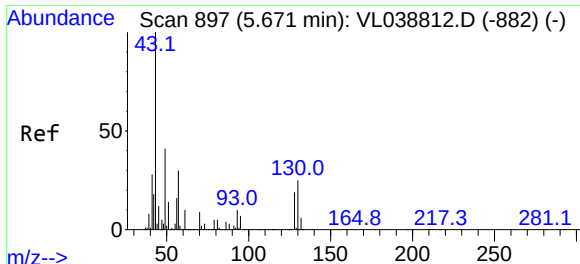


#20
Methylene Chloride
Concen: 0.869 ppbv m
RT: 4.353 min Scan# 487
Delta R.T. 0.010 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57



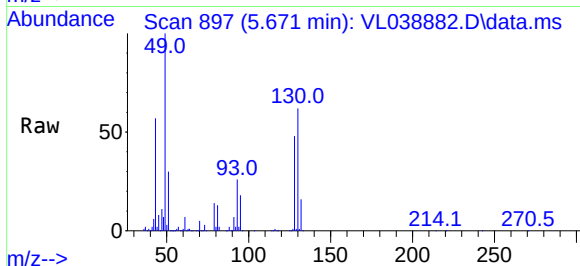
Tgt Ion: 84 Resp: 37006
Ion Ratio Lower Upper
84 100
49 162.1 129.4 194.0
51 55.2 37.4 56.2
86 60.5 51.4 77.2





#25
Ethyl Acetate
Concen: 2.239 ppbv
RT: 5.671 min Scan# 897
Delta R.T. 0.000 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

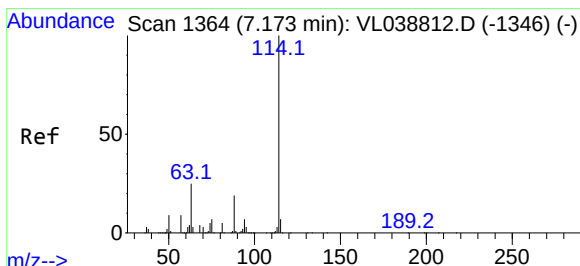
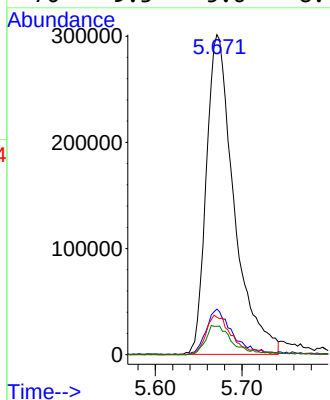
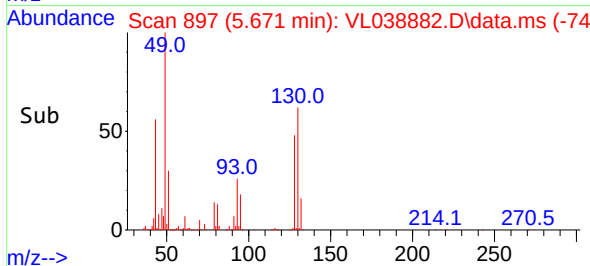
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



Tgt Ion: 43 Resp: 667263
Ion Ratio Lower Upper
43 100
45 14.9 8.4 12.6
61 12.3 7.9 11.9
70 9.3 5.6 8.4

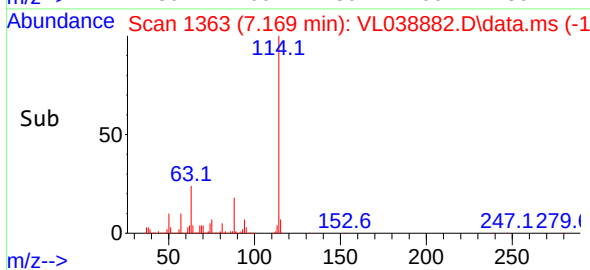
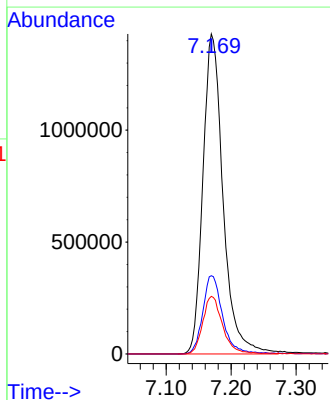
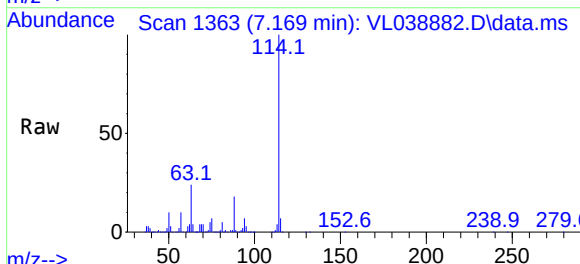
Manual Integrations
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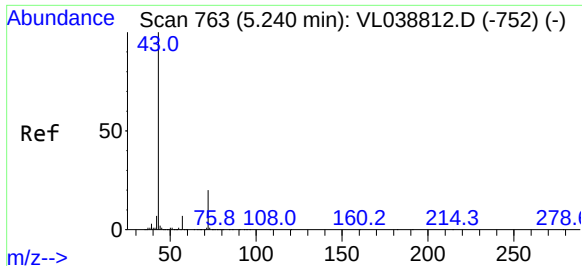
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

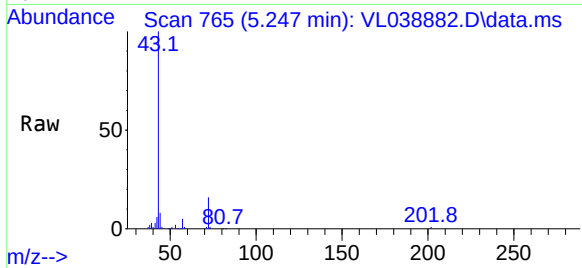
Tgt Ion:114 Resp: 3084316
Ion Ratio Lower Upper
114 100
63 24.3 19.8 29.8
88 18.0 14.2 21.4





#34
2-Butanone
Concen: 0.803 ppbv
RT: 5.247 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

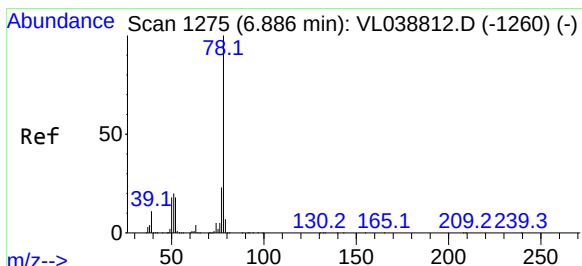
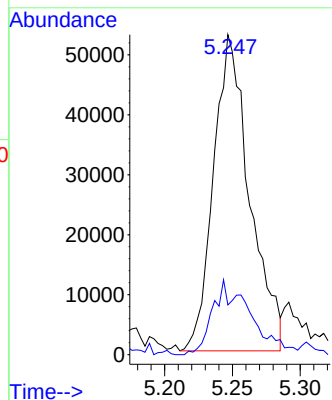
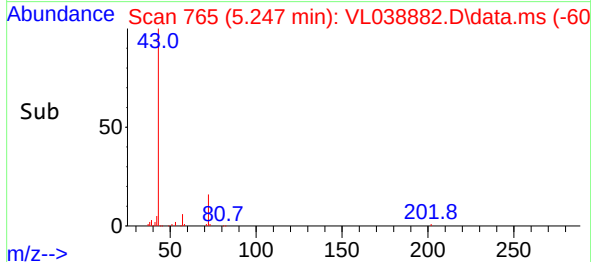
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



Tgt Ion: 43 Resp: 97819
Ion Ratio Lower Upper
43 100
72 25.1 16.9 25.3

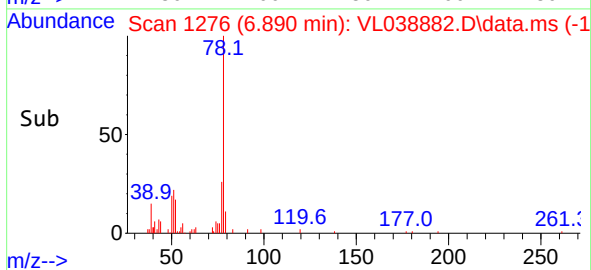
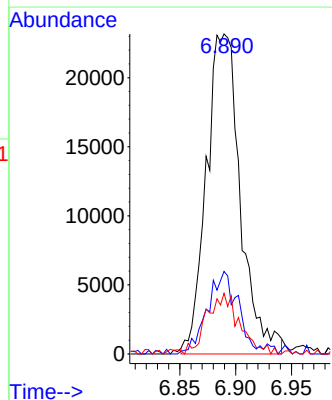
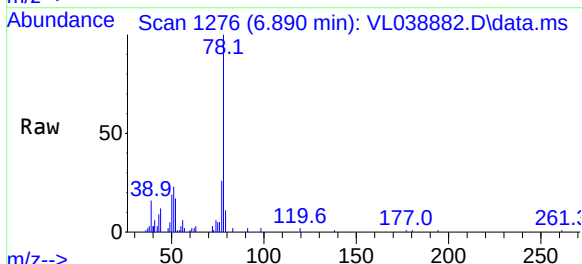
Manual Integrations
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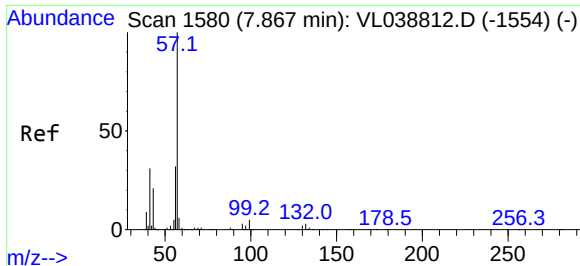
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#36
Benzene
Concen: 0.175 ppbv m
RT: 6.890 min Scan# 1276
Delta R.T. 0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

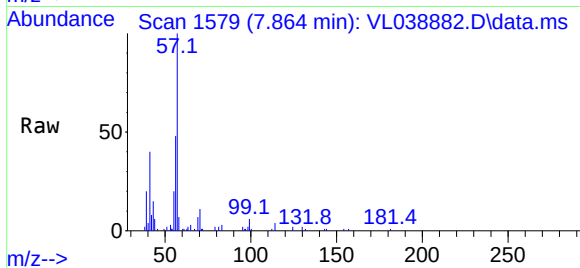
Tgt Ion: 78 Resp: 49151
Ion Ratio Lower Upper
78 100
77 25.8 18.2 27.2
50 18.9 14.0 21.0





#44
2,2,4-Trimethylpentane
Concen: 0.132 ppbv m
RT: 7.864 min Scan# 1580
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

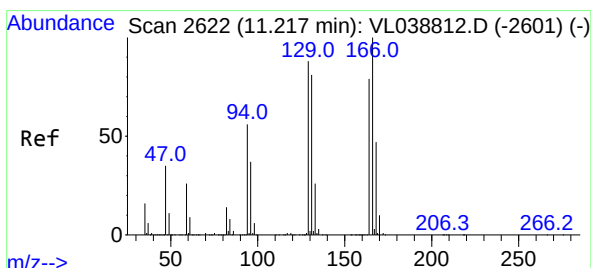
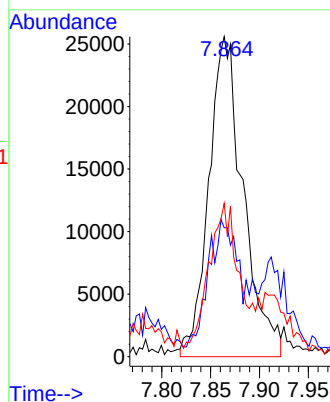
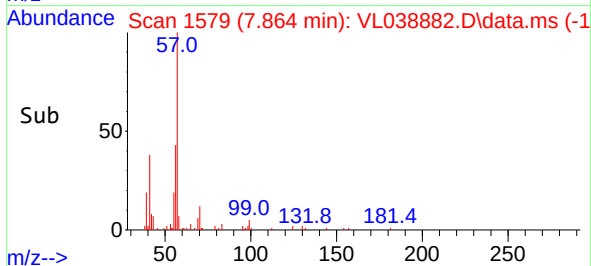
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



Tgt Ion: 57 Resp: 6256
Ion Ratio Lower Upper
57 100
41 45.8 25.0 37.4
56 46.1 25.3 37.9

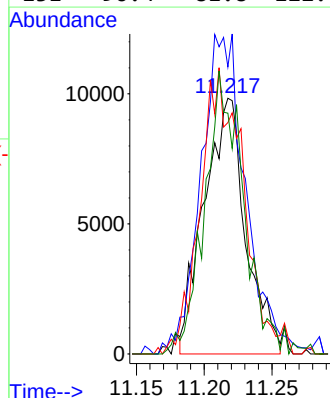
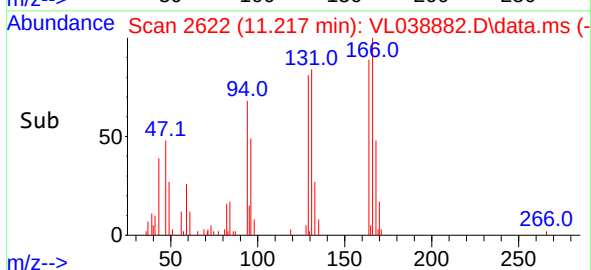
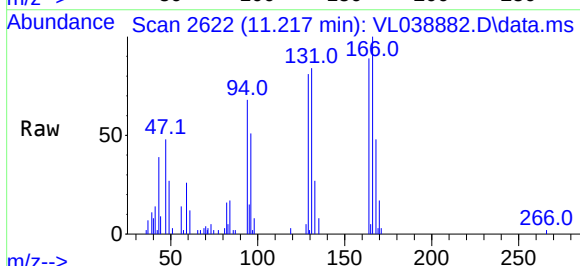
Manual Integrations
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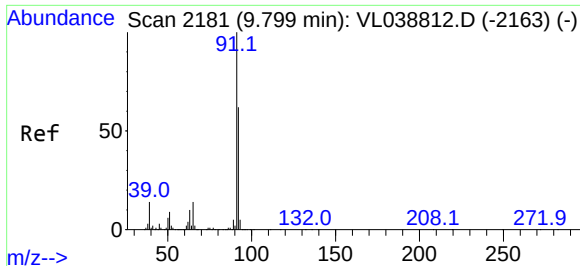
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#52
Tetrachloroethene
Concen: 0.214 ppbv
RT: 11.217 min Scan# 2622
Delta R.T. 0.000 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

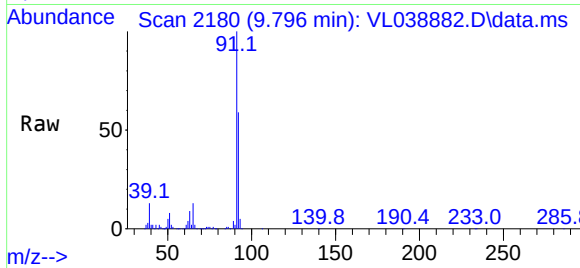
Tgt Ion:164 Resp: 21013
Ion Ratio Lower Upper
164 100
166 109.0 101.0 151.6
129 86.7 88.7 133.1
131 96.4 81.8 122.6





#53
Toluene
Concen: 7.316 ppbv
RT: 9.796 min Scan# 2181
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

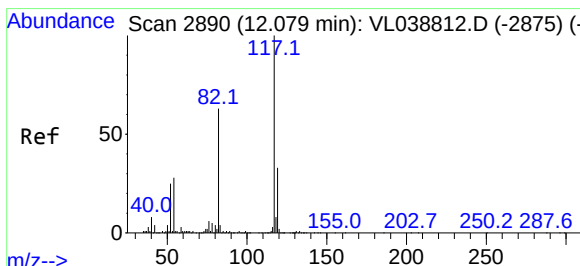
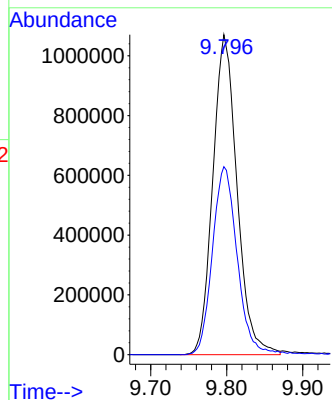
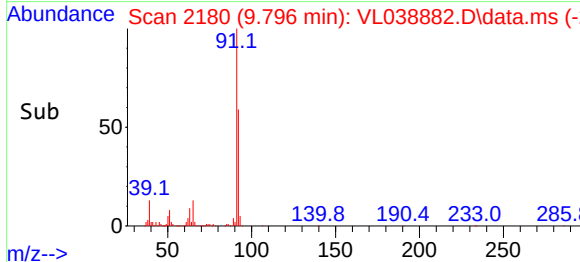
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



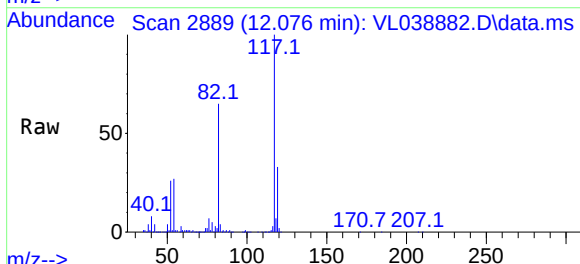
Tgt Ion: 91 Resp: 2369699
Ion Ratio Lower Upper
91 100
92 60.4 49.2 73.8

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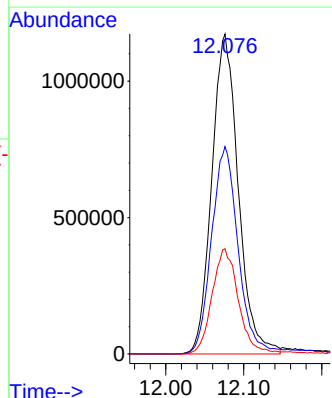
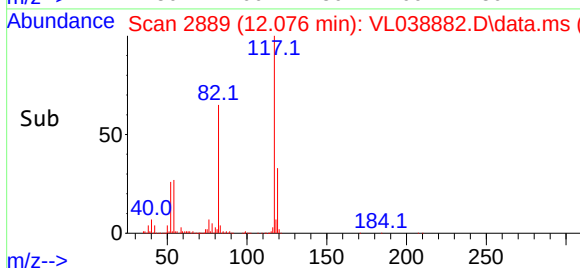
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

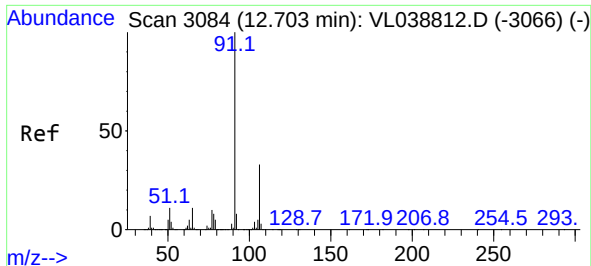


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57



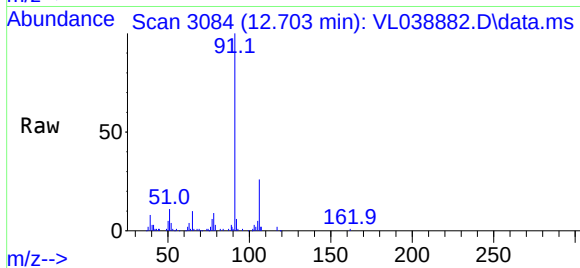
Tgt Ion:117 Resp: 2772195
Ion Ratio Lower Upper
117 100
82 67.3 53.0 79.6
119 33.1 24.9 37.3





#58
Ethyl Benzene
Concen: 0.312 ppbv m
RT: 12.703 min Scan# 3084
Delta R.T. 0.000 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

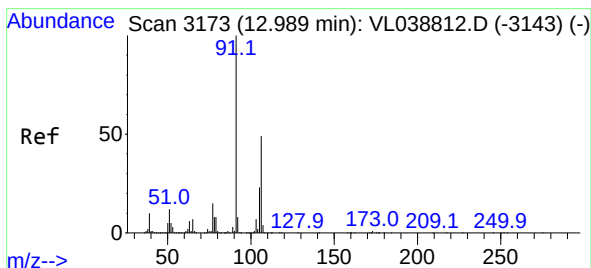
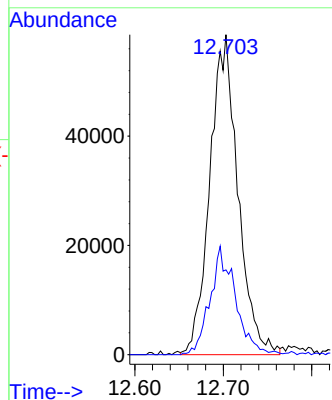
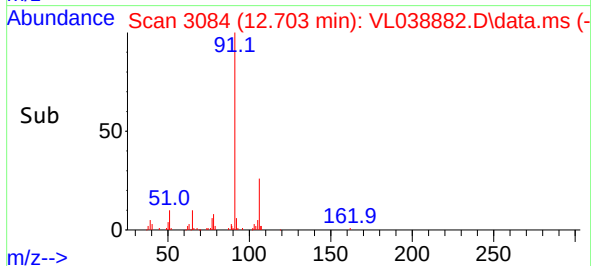
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL



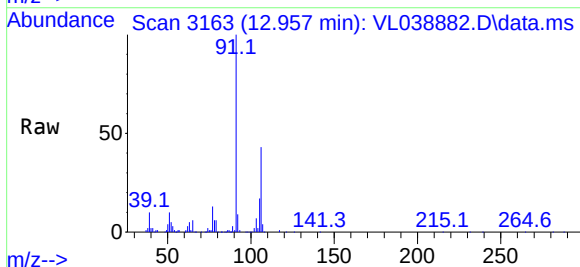
Tgt Ion: 91 Resp: 12933
Ion Ratio Lower Upper
91 100
106 26.5 26.7 40.1

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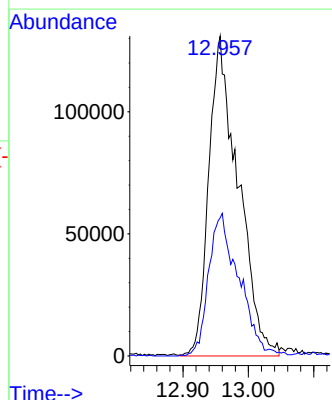
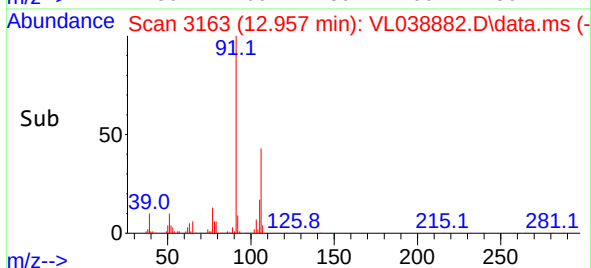
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022

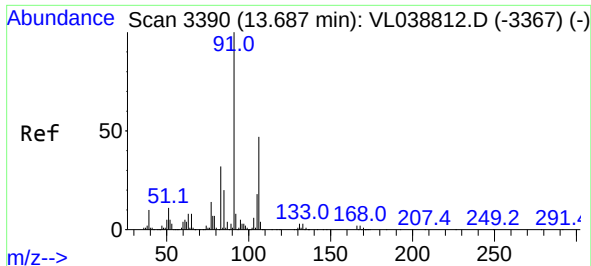


#59
m/p-Xylene
Concen: 1.175 ppbv m
RT: 12.957 min Scan# 3163
Delta R.T. -0.032 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57



Tgt Ion: 91 Resp: 408942
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7





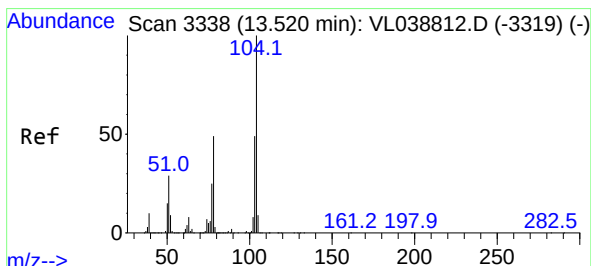
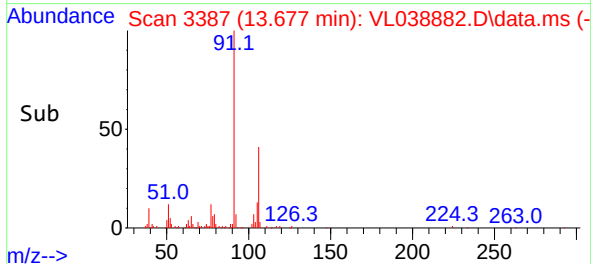
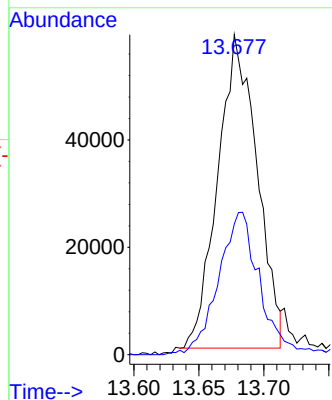
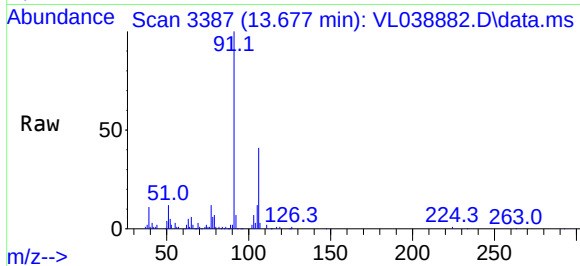
#60
o-Xylene
Concen: 0.377 ppbv
RT: 13.677 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 91 Resp: 12268
Ion Ratio Lower Upper
91 100
106 48.4 23.8 71.4

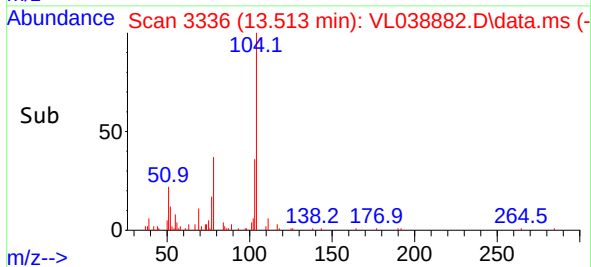
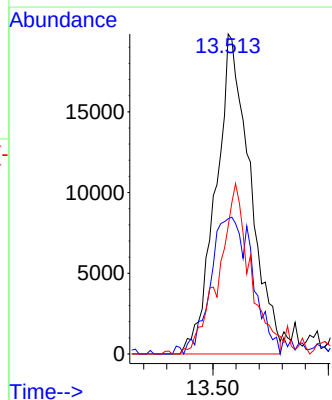
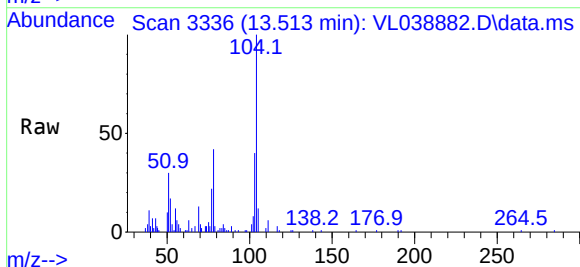
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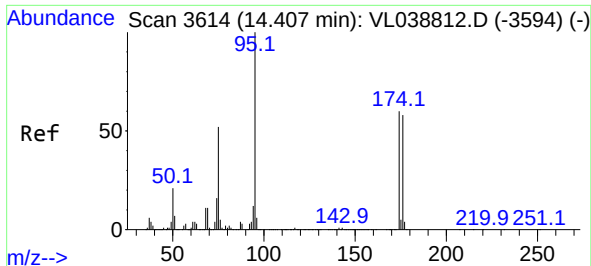
Reviewed By :Semsettin Yesilyurt 04/13/2022
Supervised By :Mahesh Dadoda 04/14/2022



#61
Styrene
Concen: 0.206 ppbv
RT: 13.513 min Scan# 3336
Delta R.T. -0.006 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

Tgt Ion:104 Resp: 40937
Ion Ratio Lower Upper
104 100
78 56.2 40.5 60.7
103 51.6 39.0 58.4





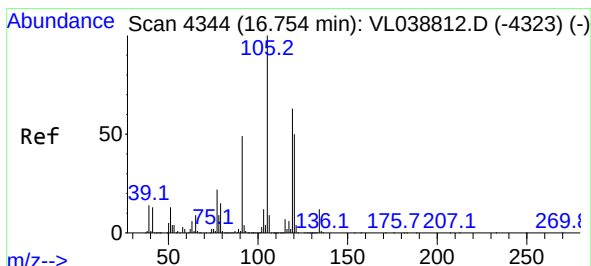
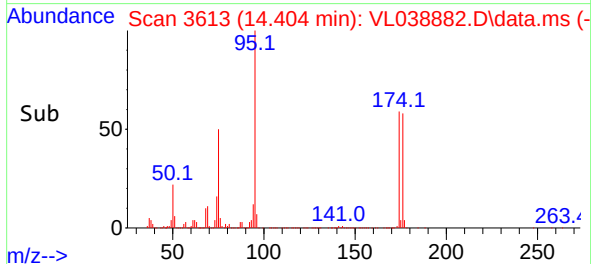
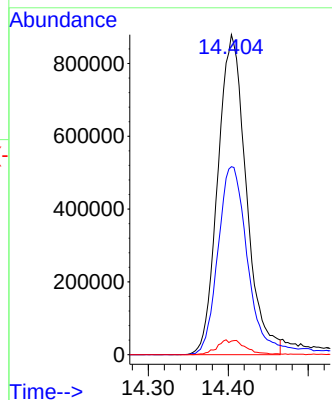
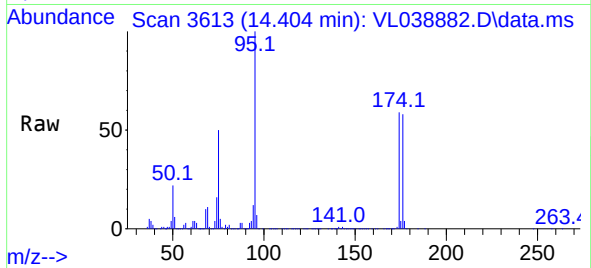
#68
1-Bromo-4-Fluorobenzene
Concen: 10.327 ppbv
RT: 14.404 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tgt Ion: 95 Resp: 2171524
Ion Ratio Lower Upper
95 100
174 64.3 52.0 78.0
175 4.9 4.0 6.0

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



#74
1,2,4-Trimethylbenzene
Concen: 0.158 ppbv
RT: 16.751 min Scan# 4343
Delta R.T. -0.003 min
Lab File: VL038882.D
Acq: 11 Apr 2022 22:57

Tgt Ion:105 Resp: 58296
Ion Ratio Lower Upper
105 100
120 52.9 39.8 59.8
91 11.8 39.4 59.0#
77 11.6 17.3 25.9#

