

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037988.D
 Acq On : 9 Nov 2021 20:48
 Operator : SY/AP
 Sample : M4555-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU04

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 10 04:49:51 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 9 04:49:51 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.665	49	1281075	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3654199	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3232596	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2141023	9.112	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	45729	0.253	ppbv	93
3) Chlorodifluoromethane	2.989	51	56066m	0.235	ppbv	
4) Chloromethane	3.137	50	46341	0.511	ppbv	96
9) Propene	3.018	41	68172	0.797	ppbv	91
10) Heptane	8.115	43	24064m	0.121	ppbv	
11) Trichlorofluoromethane	3.951	101	37334m	0.208	ppbv	
13) Ethanol	3.603	45	4528725	525.002	ppbv	91
15) Acetone	3.848	43	1296257	12.245	ppbv	99
17) tert-Butyl alcohol	4.292	59	316561	2.876	ppbv	98
19) Isopropyl Alcohol	3.967	45	2183039	32.248	ppbv #	92
20) Methylene Chloride	4.343	84	141817	2.440	ppbv	92
25) Ethyl Acetate	5.681	43	209993	0.668	ppbv #	97
26) Hexane	5.684	57	118194	0.793	ppbv	85
34) 2-Butanone	5.243	43	86235	0.637	ppbv	91
35) Carbon Tetrachloride	7.009	117	13099m	0.059	ppbv	
36) Benzene	6.890	78	39103m	0.131	ppbv	
52) Tetrachloroethene	11.208	164	8314m	0.074	ppbv	
53) Toluene	9.796	91	229270	0.719	ppbv	99
59) m/p-Xylene	12.963	91	80043m	0.228	ppbv	
60) o-Xylene	13.683	91	41170m	0.124	ppbv	

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

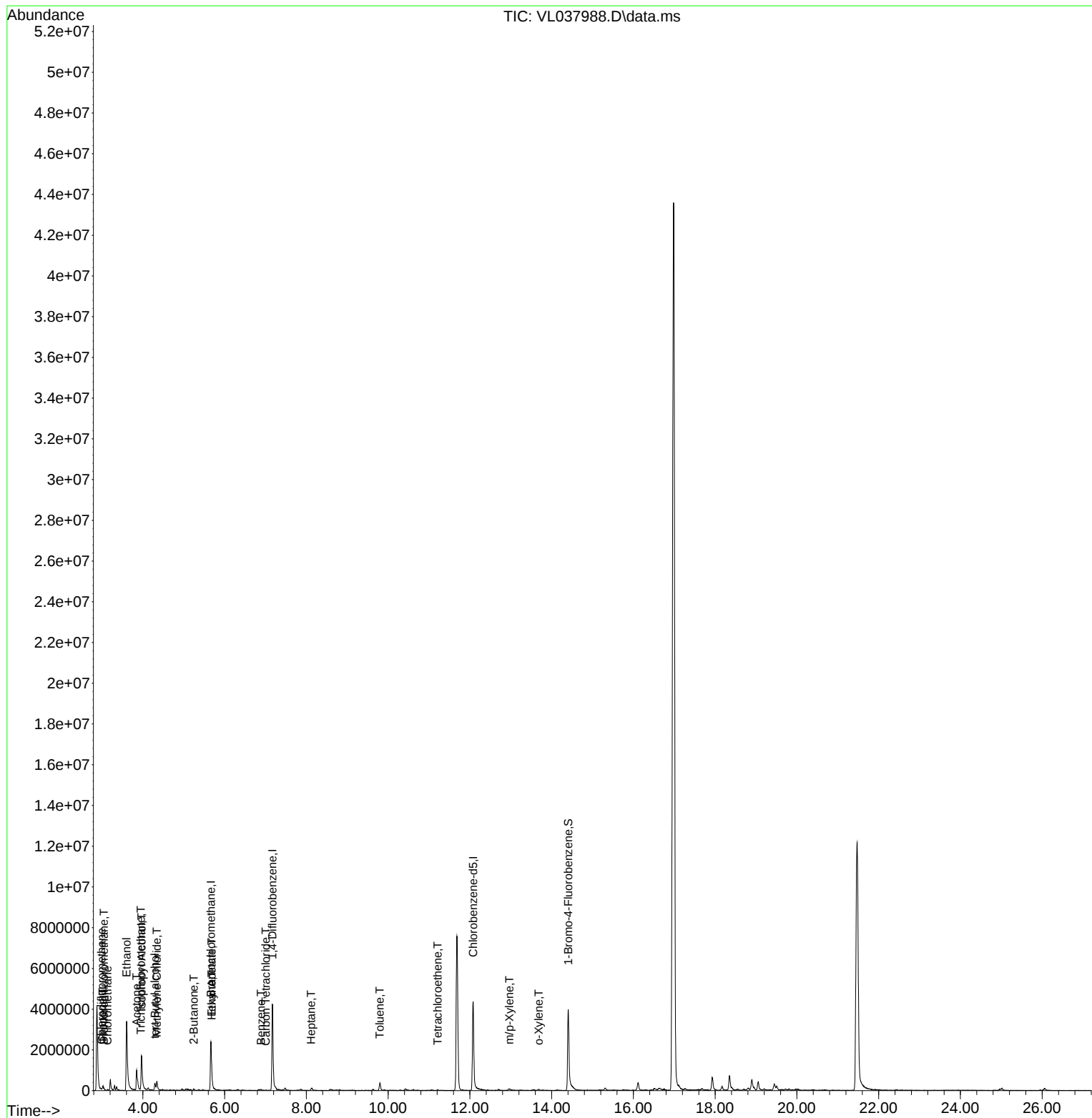
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037988.D
Acq On : 9 Nov 2021 20:48
Operator : SY/AP
Sample : M4555-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

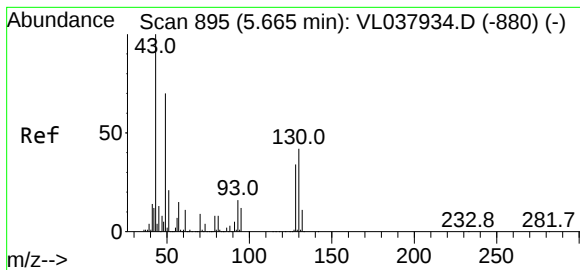
Instrument :
MSVOA_L
ClientSampleId :
C0U04

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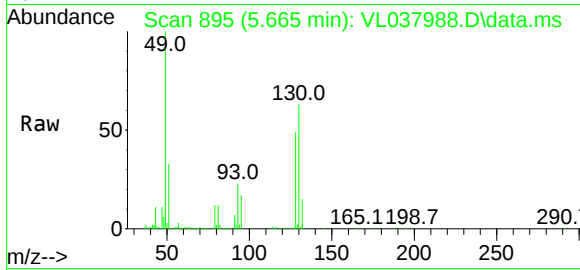
Quant Time: Nov 10 04:49:51 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 895
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

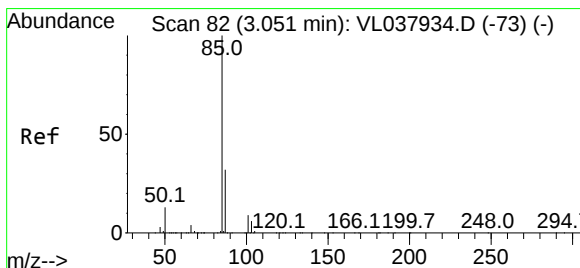
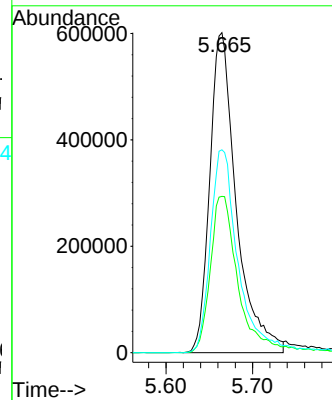
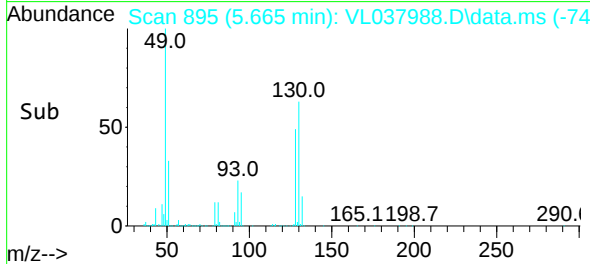
Instrument :
MSVOA_L
ClientSampleId :
COU04



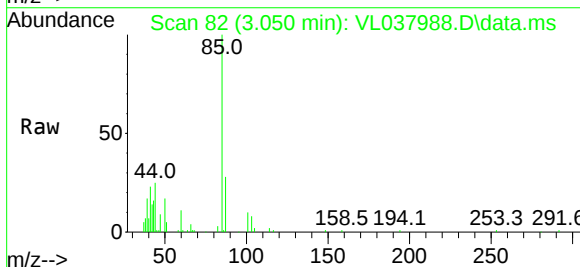
Tgt Ion: 49 Resp: 128107
Ion Ratio Lower Upper
49 100
128 52.1 27.0 81.0
130 67.5 33.4 100.2

Manual Integrations
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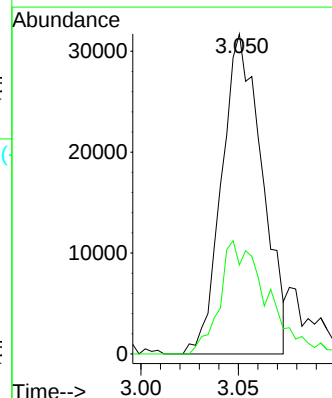
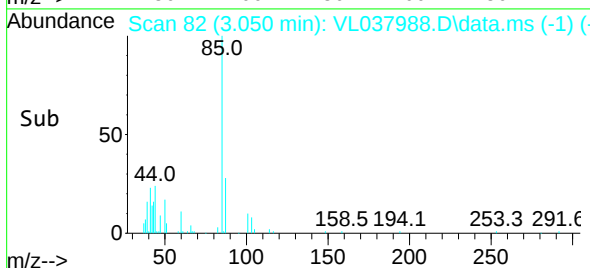
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

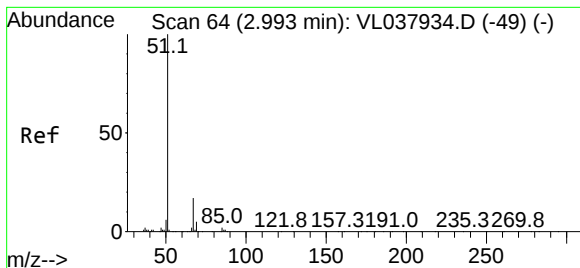


#2
Dichlorodifluoromethane
Concen: 0.253 ppbv
RT: 3.050 min Scan# 82
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48



Tgt Ion: 85 Resp: 45729
Ion Ratio Lower Upper
85 100
87 27.8 25.3 37.9





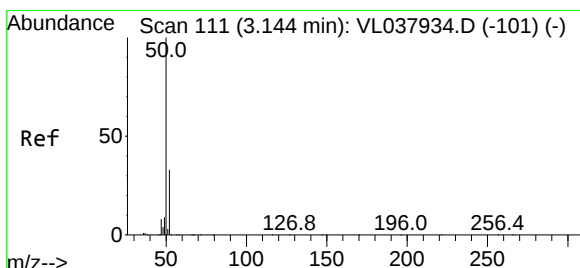
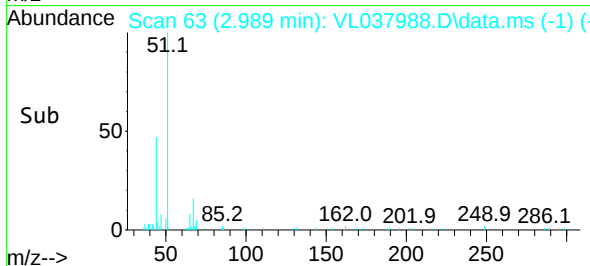
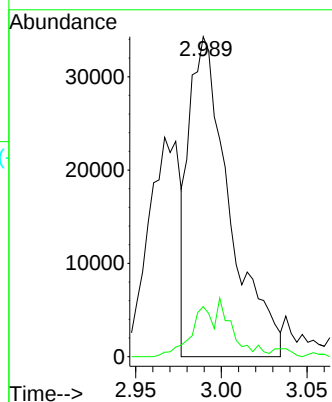
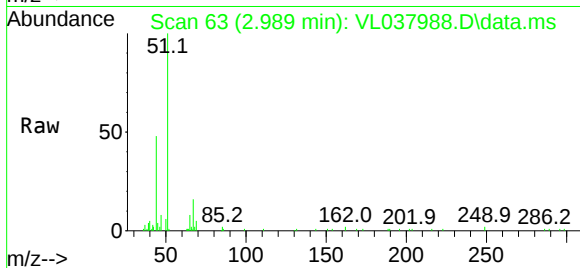
#3
Chlorodifluoromethane
Concen: 0.235 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Instrument :
MSVOA_L
ClientSampleId :
COU04

Tgt Ion: 51 Resp: 5606
Ion Ratio Lower Upper
51 100
67 17.4 13.4 20.0

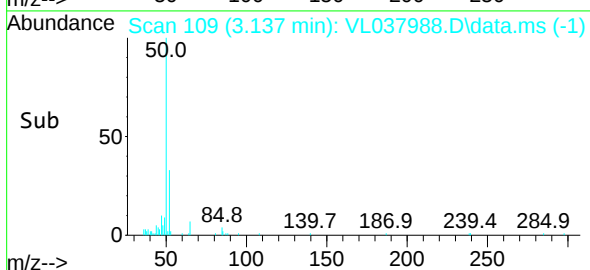
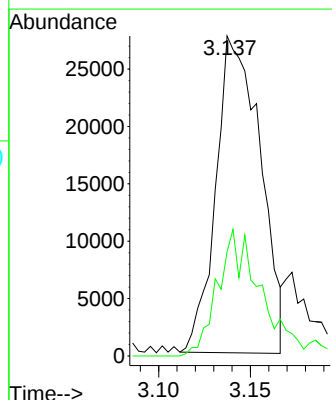
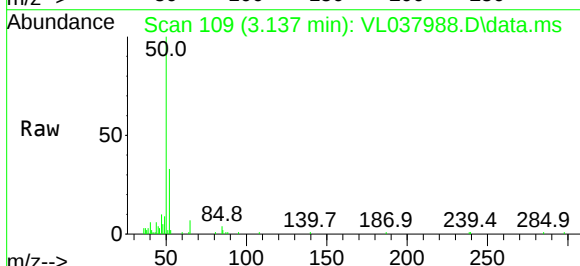
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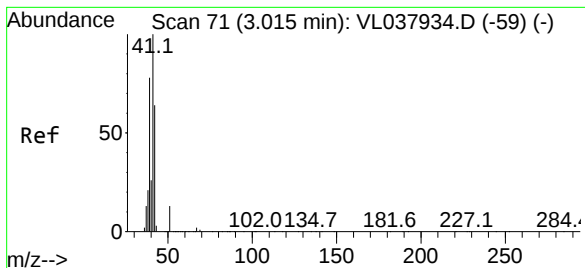
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#4
Chloromethane
Concen: 0.511 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.006 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

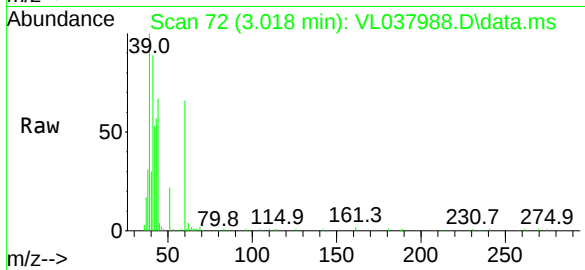
Tgt Ion: 50 Resp: 46341
Ion Ratio Lower Upper
50 100
52 35.0 26.3 39.5





#9
 Propene
 Concen: 0.797 ppbv
 RT: 3.018 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL037988.D
 Acq: 9 Nov 2021 20:48

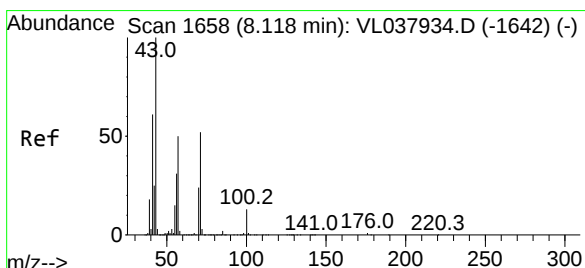
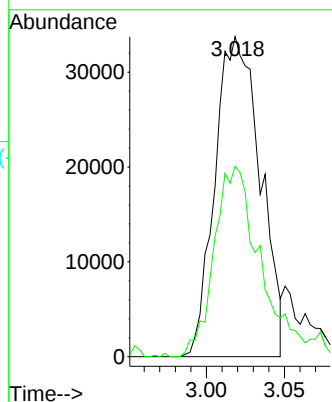
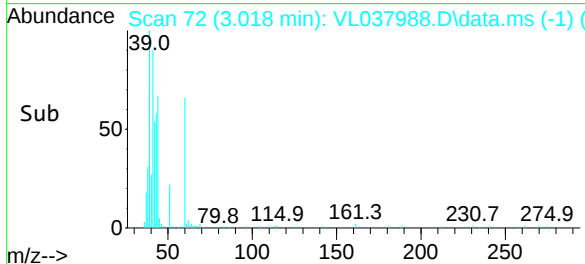
Instrument :
 MSVOA_L
 ClientSampleId :
 COU04



Tgt Ion: 41 Resp: 68172
 Ion Ratio Lower Upper
 41 100
 42 64.1 57.6 86.4

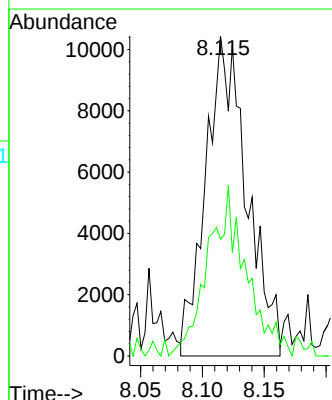
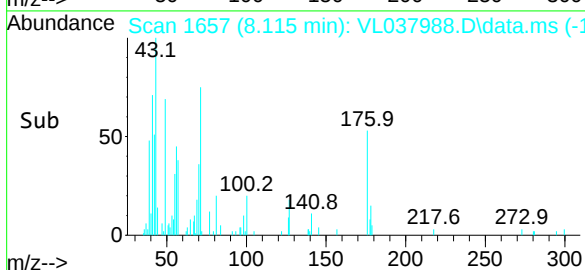
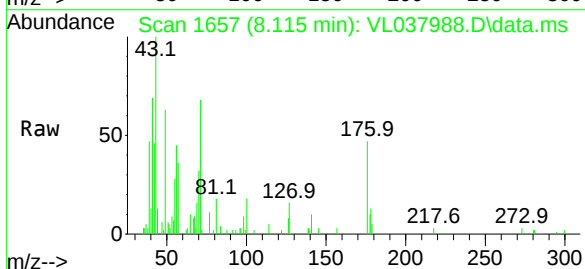
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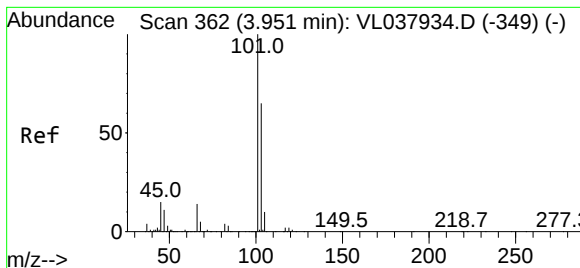
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 Supervised By :Mahesh Dadoda 11/17/2021



#10
 Heptane
 Concen: 0.121 ppbv m
 RT: 8.115 min Scan# 1657
 Delta R.T. -0.003 min
 Lab File: VL037988.D
 Acq: 9 Nov 2021 20:48

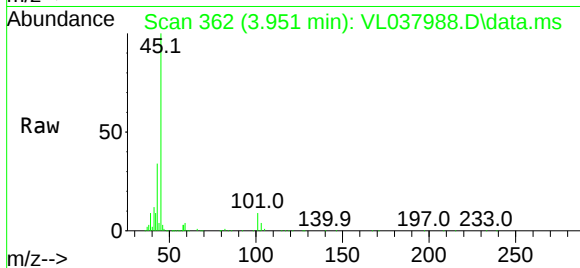
Tgt Ion: 43 Resp: 24064
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.8 59.8#





#11
Trichlorofluoromethane
Concen: 0.208 ppbv m
RT: 3.951 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

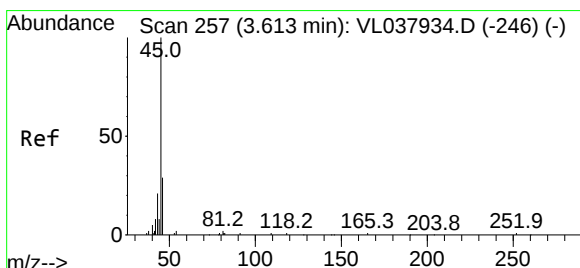
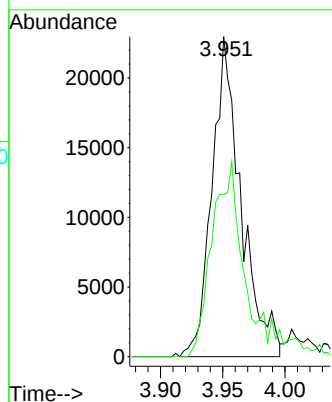
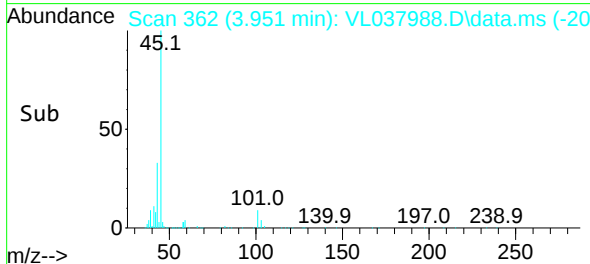
Instrument :
MSVOA_L
ClientSampleId :
C0U04



Tgt Ion:101 Resp: 37334
Ion Ratio Lower Upper
101 100
103 50.5 52.0 78.0

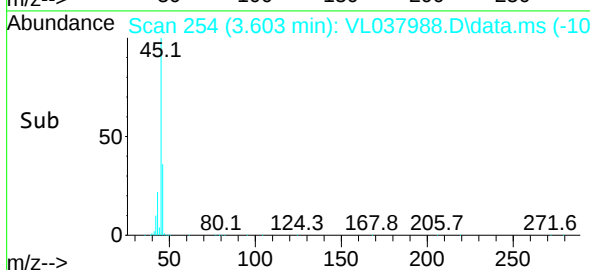
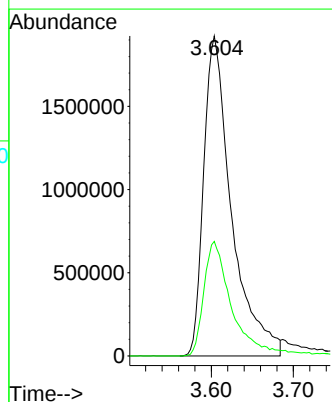
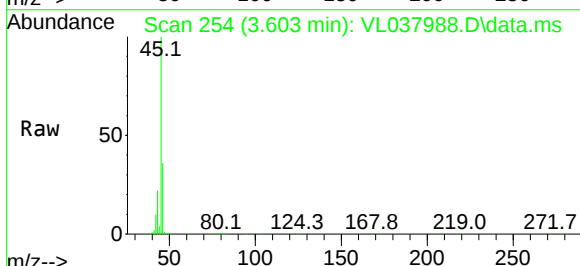
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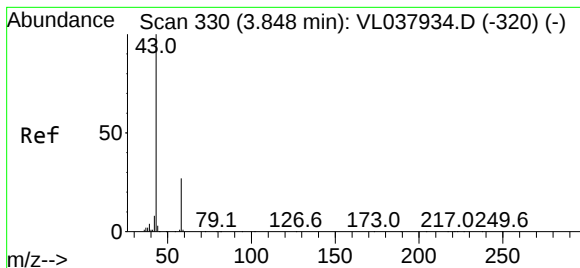
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#13
Ethanol
Concen: 525.002 ppbv
RT: 3.603 min Scan# 254
Delta R.T. -0.010 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 45 Resp: 4528725
Ion Ratio Lower Upper
45 100
46 37.7 17.4 69.8





#15

Acetone

Concen: 12.245 ppbv

RT: 3.848 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL037988.D

Acq: 9 Nov 2021 20:48

Instrument :

MSVOA_L

ClientSampleId :

COU04

Tgt Ion: 43 Resp: 129625

Ion Ratio Lower Upper

43 100

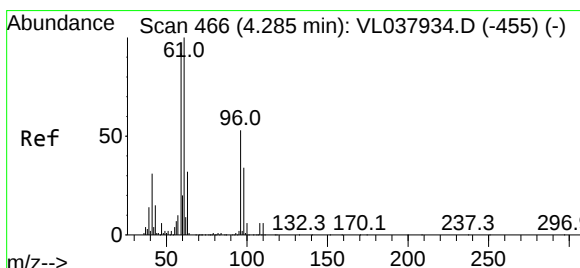
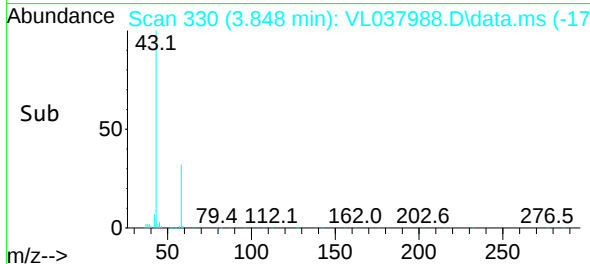
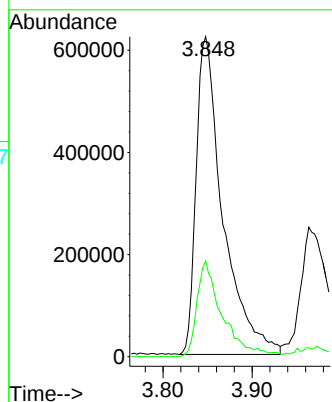
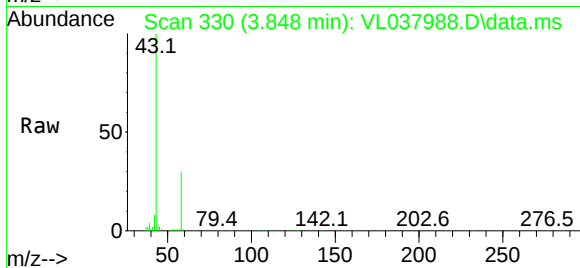
58 28.5 23.3 34.9

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#17

tert-Butyl alcohol

Concen: 2.876 ppbv

RT: 4.292 min Scan# 468

Delta R.T. 0.006 min

Lab File: VL037988.D

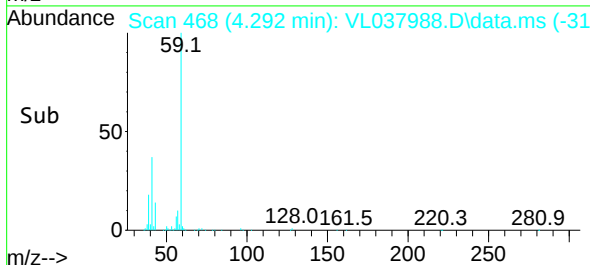
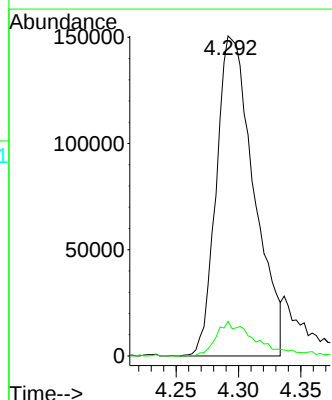
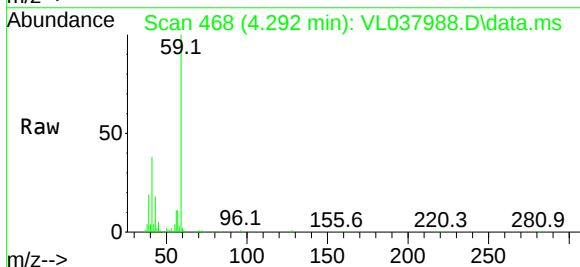
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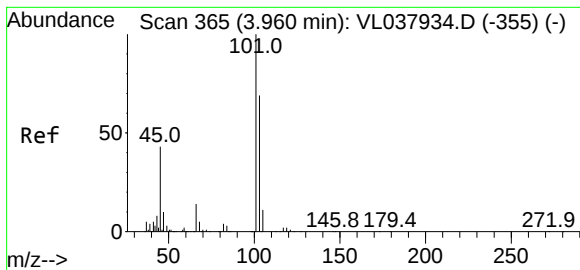
Tgt Ion: 59 Resp: 316561

Ion Ratio Lower Upper

59 100

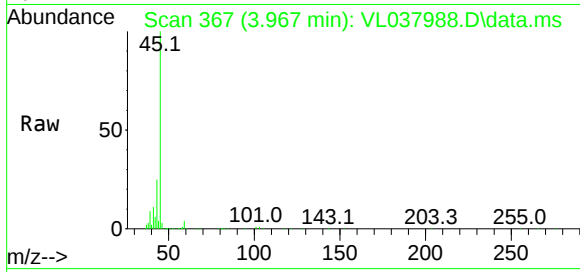
57 11.8 8.9 13.3





#19
Isopropyl Alcohol
Concen: 32.248 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

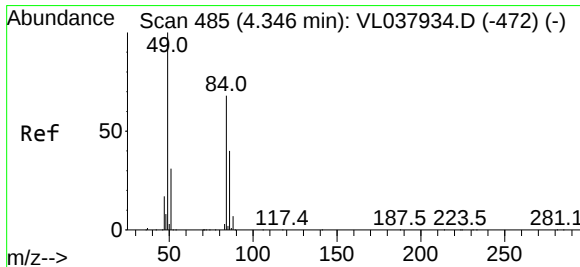
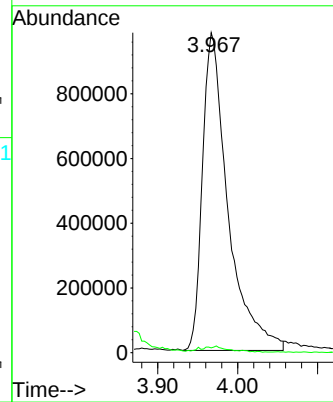
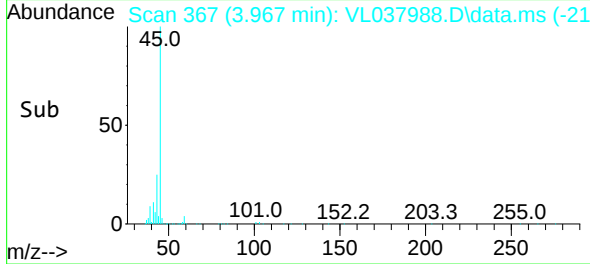
Instrument :
MSVOA_L
ClientSampleId :
COU04



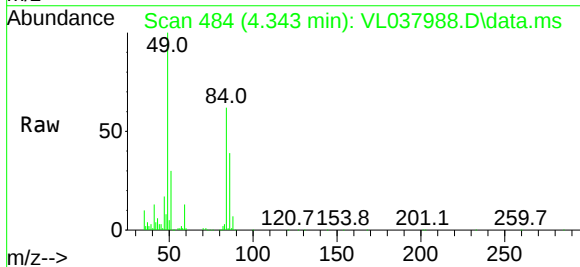
Tgt Ion: 45 Resp: 2183039
Ion Ratio Lower Upper
45 100
58 2.2 4.0 6.0

Manual Integrations
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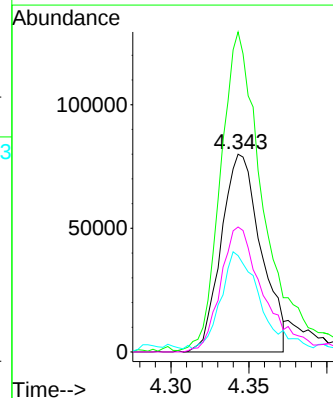
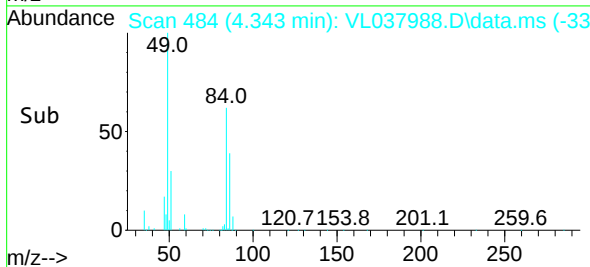
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

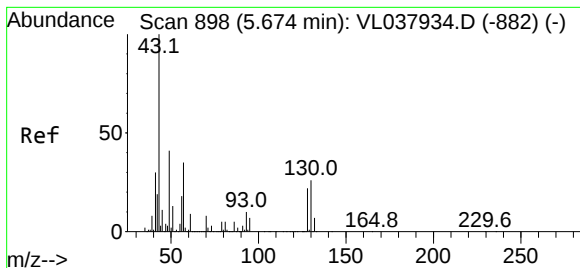


#20
Methylene Chloride
Concen: 2.440 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48



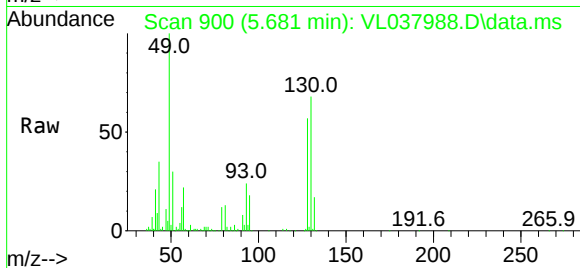
Tgt Ion: 84 Resp: 141817
Ion Ratio Lower Upper
84 100
49 160.4 117.5 176.3
51 47.1 35.9 53.9
86 63.2 47.3 70.9





#25
Ethyl Acetate
Concen: 0.668 ppbv
RT: 5.681 min Scan# 900
Delta R.T. 0.006 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

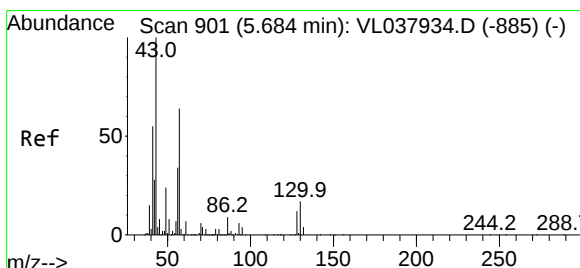
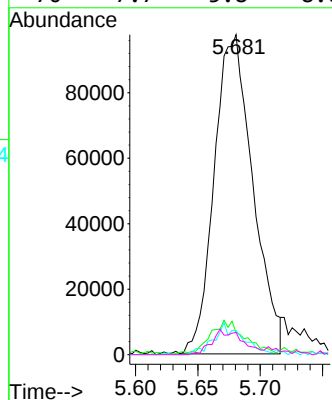
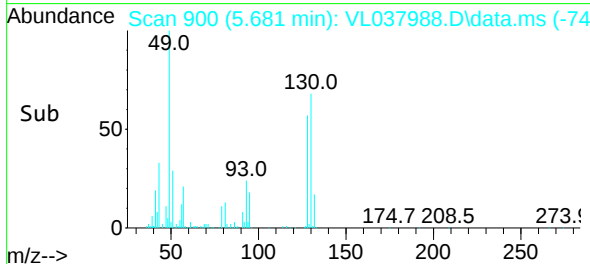
Instrument :
MSVOA_L
ClientSampleId :
COU04



Tgt Ion: 43 Resp: 20999
Ion Ratio Lower Upper
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61 7.8 8.1 12.1
70 7.7 5.8 8.6

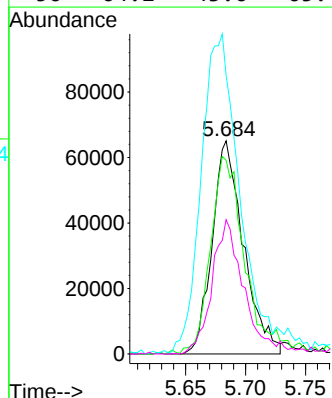
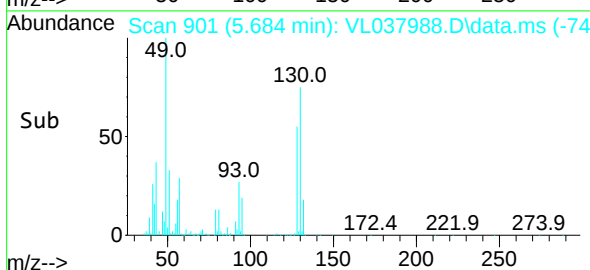
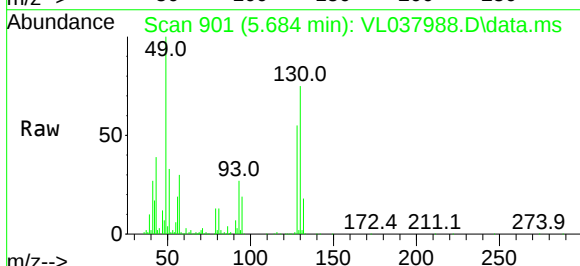
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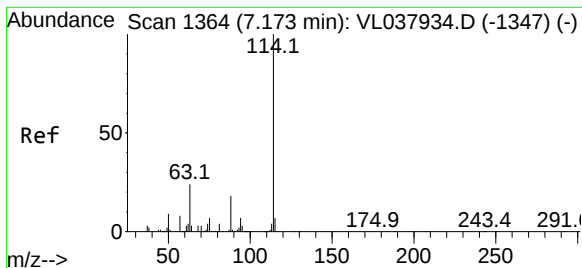
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#26
Hexane
Concen: 0.793 ppbv
RT: 5.684 min Scan# 901
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

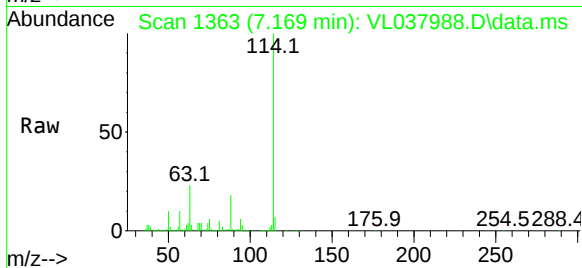
Tgt Ion: 57 Resp: 118194
Ion Ratio Lower Upper
57 100
41 105.5 71.0 106.6
43 193.8 173.0 259.6
56 64.2 43.6 65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

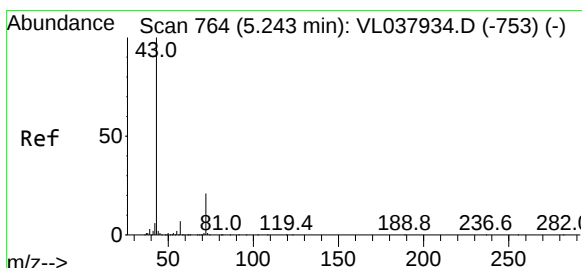
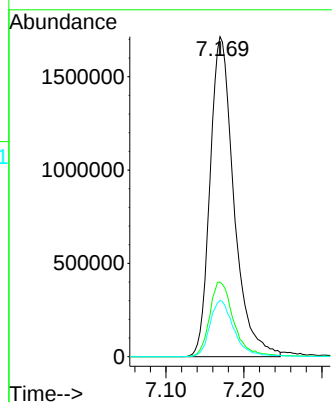
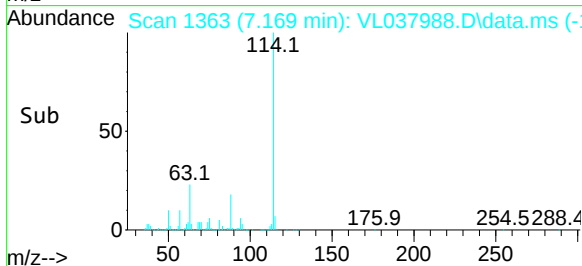
Instrument :
MSVOA_L
ClientSampleId :
COU04



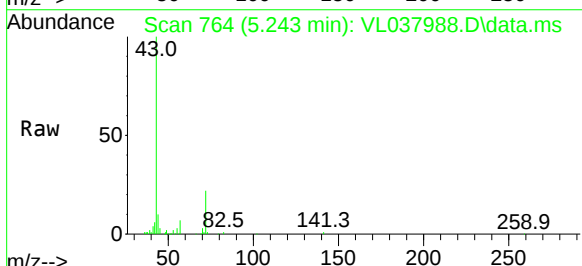
Tgt Ion:114 Resp: 3654199
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.0
88 17.9 14.2 21.4

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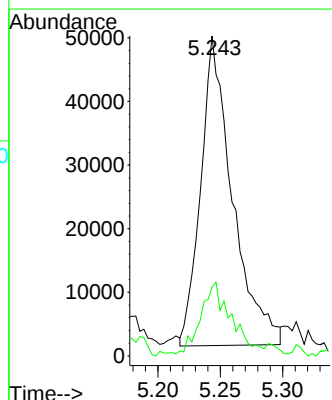
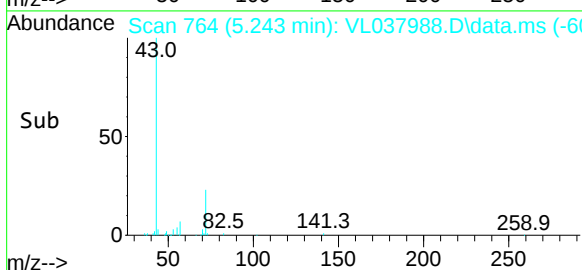
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

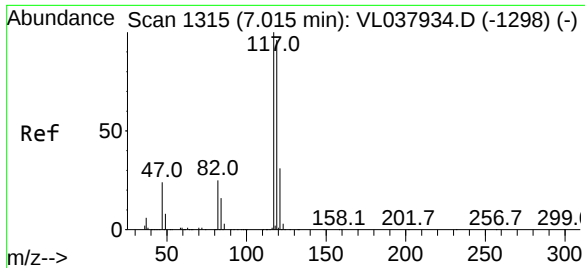


#34
2-Butanone
Concen: 0.637 ppbv
RT: 5.243 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48



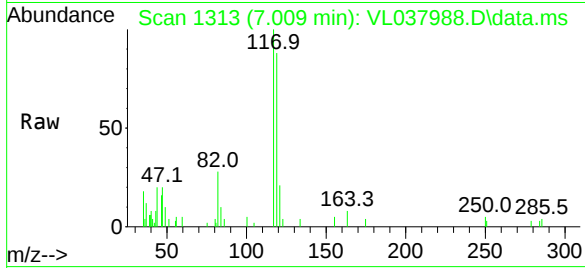
Tgt Ion: 43 Resp: 86235
Ion Ratio Lower Upper
43 100
72 27.1 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.059 ppbv m
RT: 7.009 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

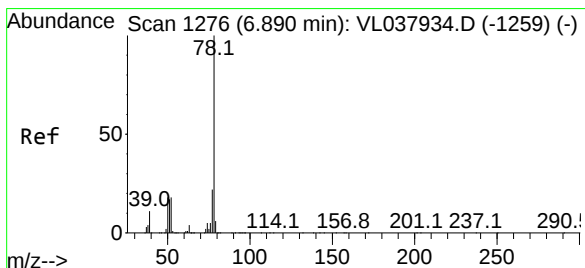
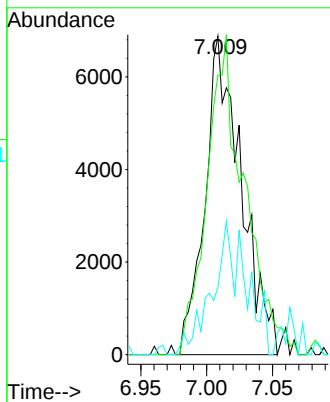
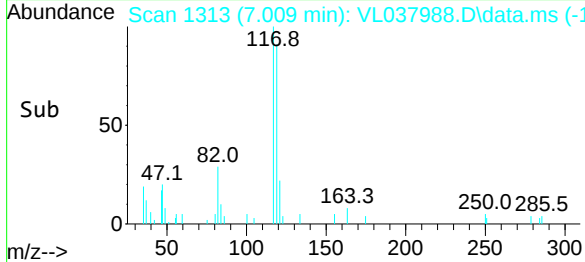
Instrument :
MSVOA_L
ClientSampleId :
COU04



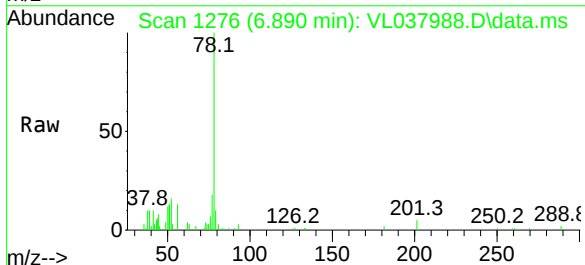
Tgt Ion: 117 Resp: 1309
Ion Ratio Lower Upper
117 100
119 87.7 76.6 114.8
121 21.1 25.1 37.7

Manual Integrations
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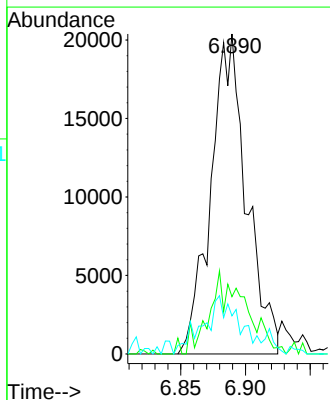
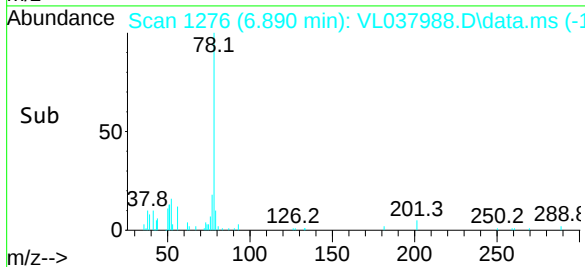
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

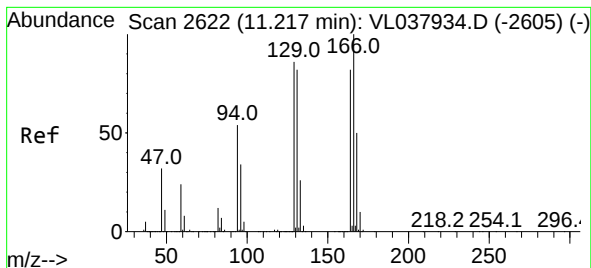


#36
Benzene
Concen: 0.131 ppbv m
RT: 6.890 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48



Tgt Ion: 78 Resp: 39103
Ion Ratio Lower Upper
78 100
77 17.9 17.9 26.9#
50 11.9 14.4 21.6#





#52

Tetrachloroethene

Concen: 0.074 ppbv m

RT: 11.208 min Scan# 2

Delta R.T. -0.010 min

Lab File: VL037988.D

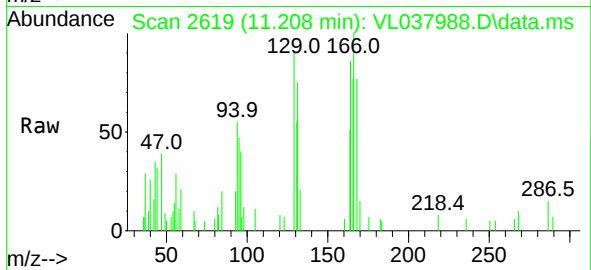
Acq: 9 Nov 2021 20:48

Instrument :

MSVOA_L

ClientSampleId :

COU04



Tgt Ion:164 Resp: 8314

Ion Ratio Lower Upper

164 100

166 115.9 97.6 146.4

129 105.4 84.2 126.2

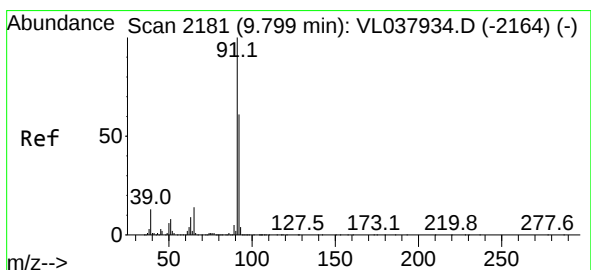
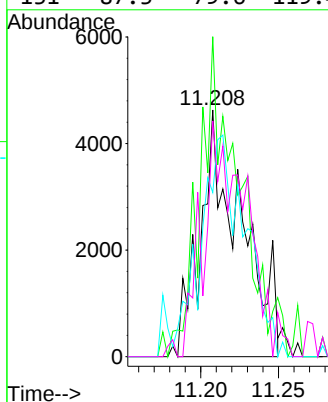
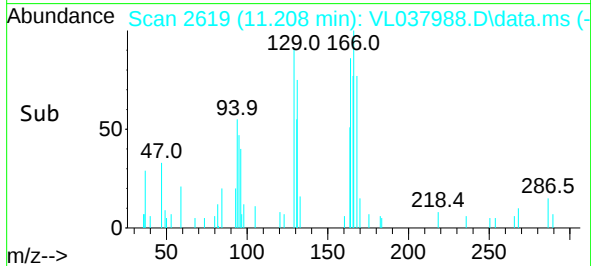
131 87.3 79.6 119.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#53

Toluene

Concen: 0.719 ppbv

RT: 9.796 min Scan# 2180

Delta R.T. -0.003 min

Lab File: VL037988.D

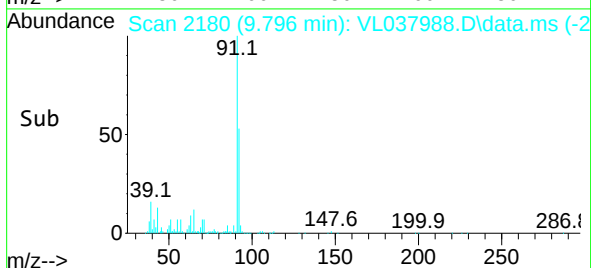
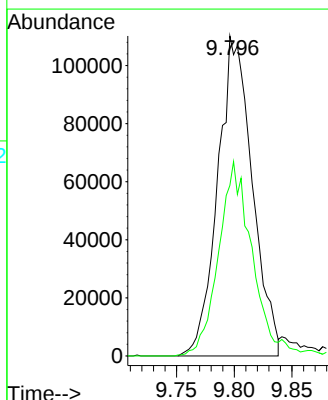
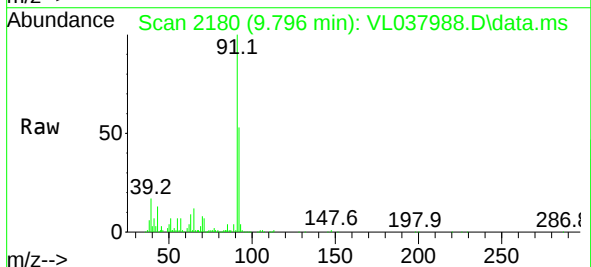
Acq: 9 Nov 2021 20:48

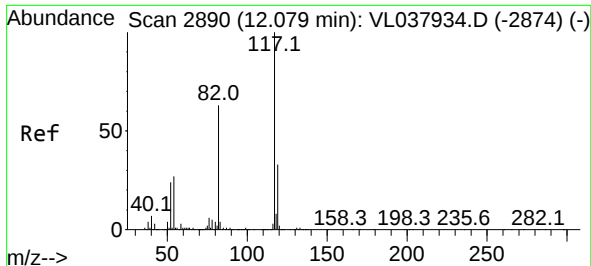
Tgt Ion: 91 Resp: 229270

Ion Ratio Lower Upper

91 100

92 61.1 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VL037988.D

Acq: 9 Nov 2021 20:48

Instrument :

MSVOA_L

ClientSampleId :

COU04

Tgt Ion:117 Resp: 3232590

Ion Ratio Lower Upper

117 100

82 64.5 51.0 76.6

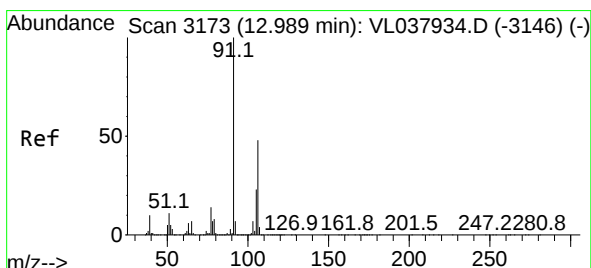
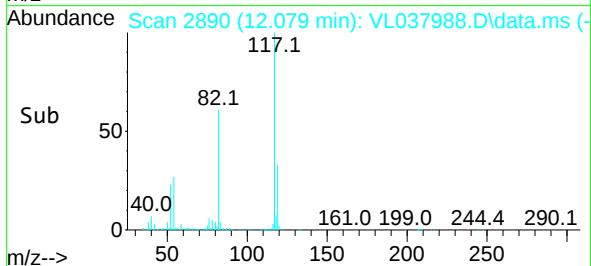
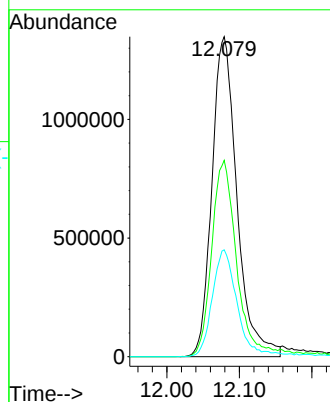
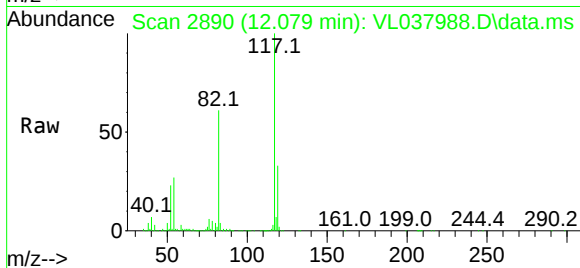
119 34.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#59

m/p-Xylene

Concen: 0.228 ppbv m

RT: 12.963 min Scan# 3165

Delta R.T. -0.026 min

Lab File: VL037988.D

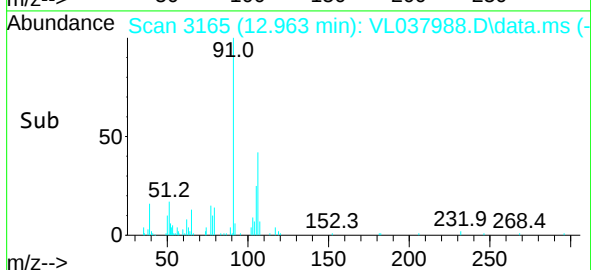
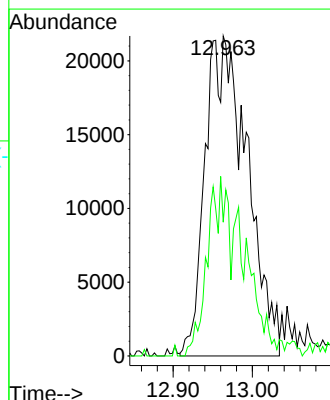
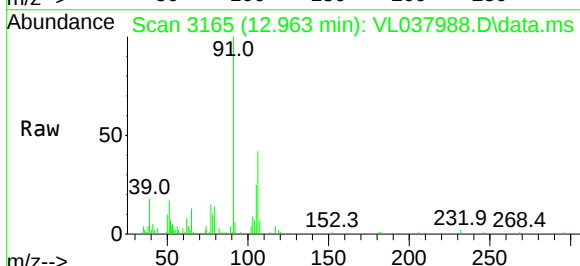
Acq: 9 Nov 2021 20:48

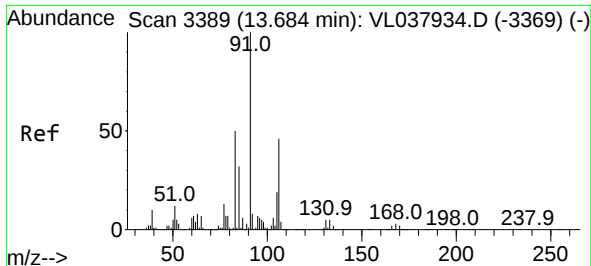
Tgt Ion: 91 Resp: 80043

Ion Ratio Lower Upper

91 100

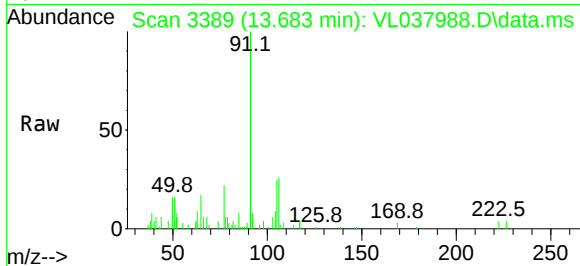
106 0.0 37.1 55.7#





#60
o-Xylene
Concen: 0.124 ppbv m
RT: 13.683 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

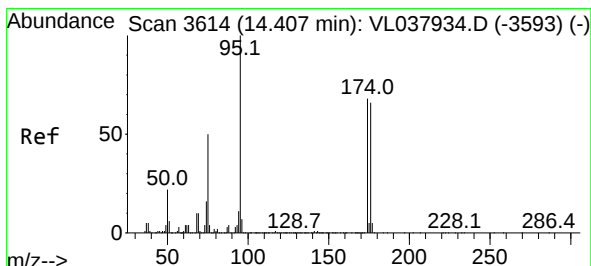
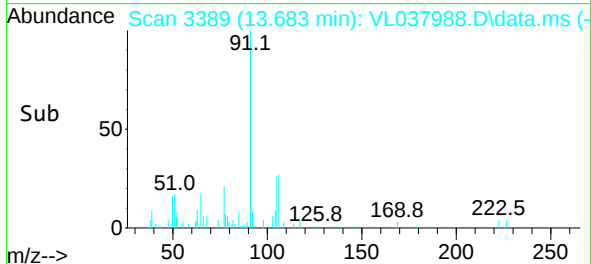
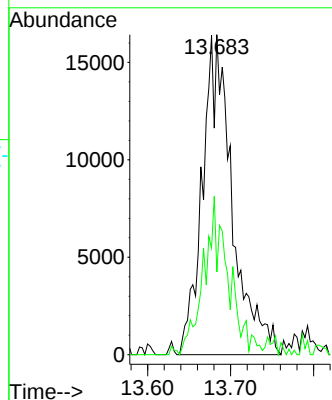
Instrument :
MSVOA_L
ClientSampleId :
COU04



Tgt Ion: 91 Resp: 41170
Ion Ratio Lower Upper
91 100
106 41.1 23.5 70.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.112 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. -0.000 min
Lab File: VL037988.D
Acq: 9 Nov 2021 20:48

Tgt Ion: 95 Resp: 2141023
Ion Ratio Lower Upper
95 100
174 76.5 58.3 87.5
175 5.4 4.6 6.8

