

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037990.D
 Acq On : 9 Nov 2021 22:07
 Operator : SY/AP
 Sample : M4555-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU05

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:50:11 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 04:50:11 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	5.664	49	1289627	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3751738	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3206436	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2183055	9.366	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	56869	0.313	ppbv	89
3) Chlorodifluoromethane	2.983	51	69600m	0.290	ppbv	
4) Chloromethane	3.140	50	60986	0.668	ppbv	94
9) Propene	3.025	41	83249	0.967	ppbv	96
10) Heptane	8.127	43	23053m	0.115	ppbv	
11) Trichlorofluoromethane	3.954	101	39160m	0.216	ppbv	
13) Ethanol	3.607	45	4308306	496.137	ppbv	90
15) Acetone	3.848	43	1874222	17.587	ppbv	99
17) tert-Butyl alcohol	4.298	59	264019	2.383	ppbv	98
19) Isopropyl Alcohol	3.970	45	1930096	28.323	ppbv #	94
20) Methylene Chloride	4.346	84	564664	9.652	ppbv	95
26) Hexane	5.687	57	492960	3.287	ppbv #	50
34) 2-Butanone	5.243	43	177661	1.278	ppbv	93
35) Carbon Tetrachloride	7.012	117	11618m	0.051	ppbv	
36) Benzene	6.893	78	49346m	0.162	ppbv	
38) Trichloroethene	7.825	130	5586m	0.044	ppbv	
52) Tetrachloroethene	11.217	164	34261	0.296	ppbv	90
53) Toluene	9.799	91	226451	0.691	ppbv	98
58) Ethyl Benzene	12.700	91	39119m	0.100	ppbv	
59) m/p-Xylene	12.963	91	99771m	0.286	ppbv	
60) o-Xylene	13.677	91	48313m	0.147	ppbv	

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

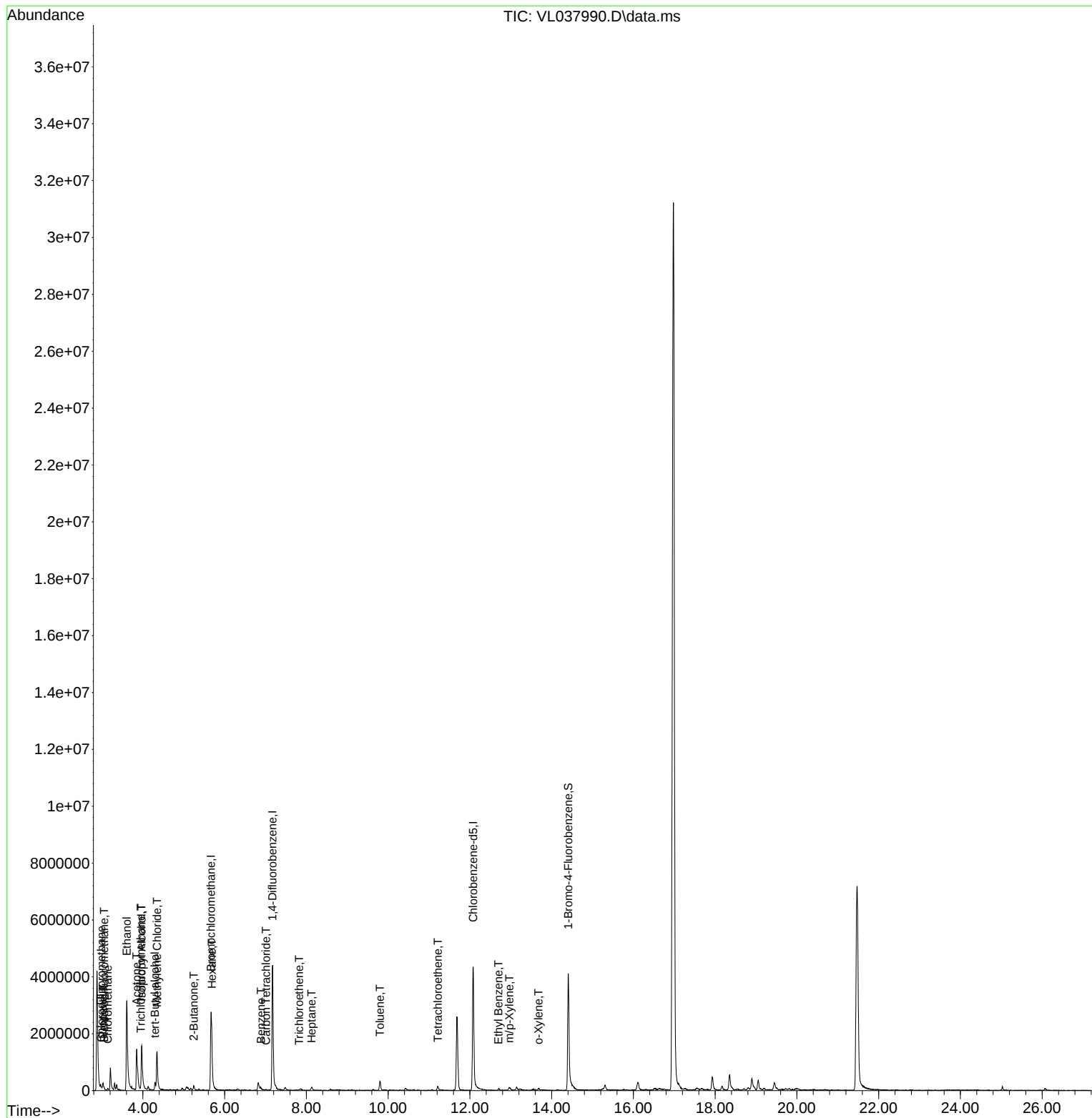
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037990.D
Acq On : 9 Nov 2021 22:07
Operator : SY/AP
Sample : M4555-05
Misc : 400mL/MSVOA_L
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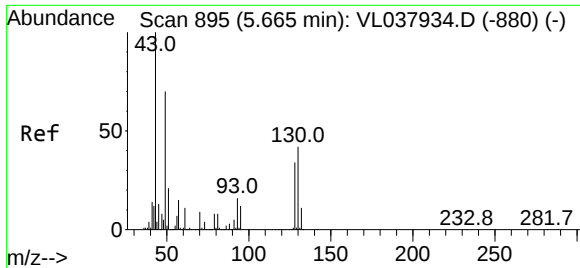
Instrument :
MSVOA_L
ClientSampleId :
C0U05

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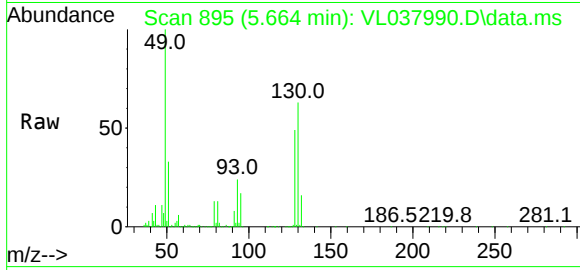
Quant Time: Nov 10 04:50:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.664 min Scan# 895
 Delta R.T. -0.000 min
 Lab File: VL037990.D
 Acq: 9 Nov 2021 22:07

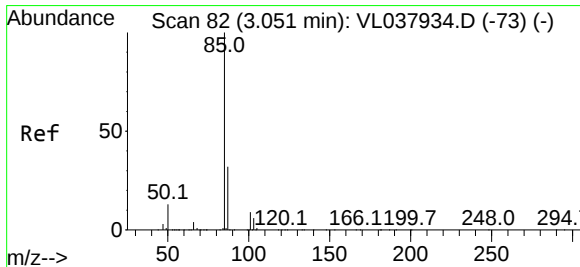
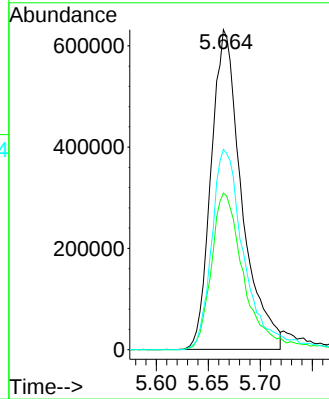
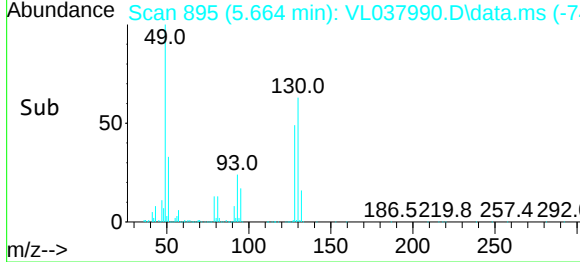
Instrument :
 MSVOA_L
 ClientSampleId :
 COU05



Tgt Ion: 49 Resp: 128962
 Ion Ratio Lower Upper
 49 100
 128 54.0 27.0 81.0
 130 69.2 33.4 100.2

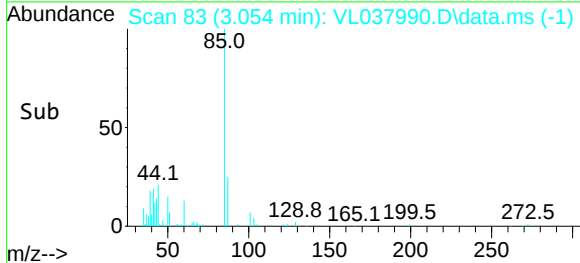
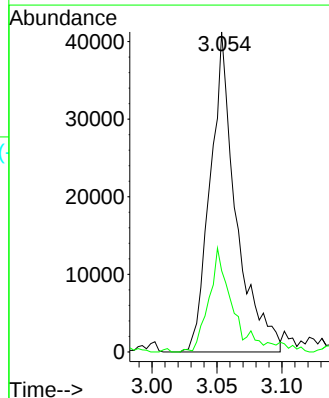
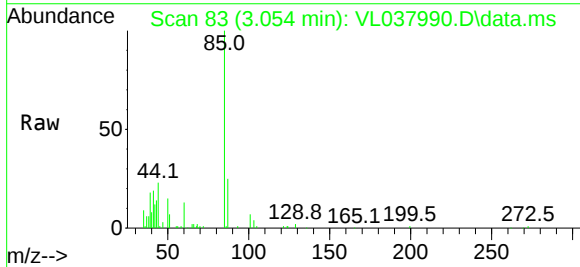
Manual Integrations
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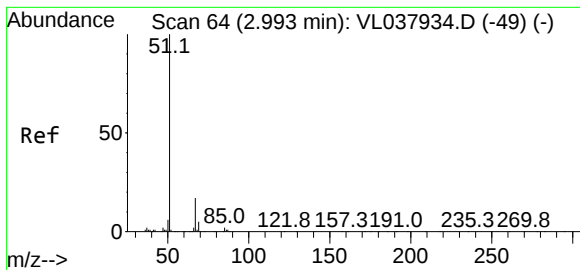
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#2
 Dichlorodifluoromethane
 Concen: 0.313 ppbv
 RT: 3.054 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VL037990.D
 Acq: 9 Nov 2021 22:07

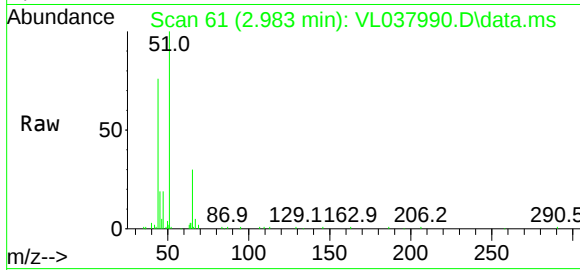
Tgt Ion: 85 Resp: 56869
 Ion Ratio Lower Upper
 85 100
 87 25.4 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.290 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

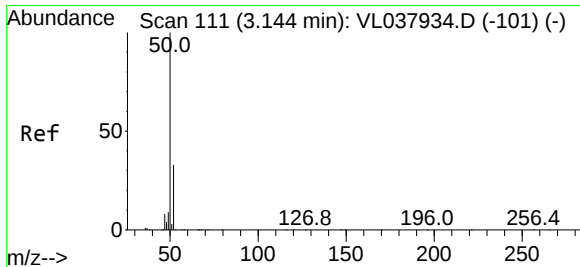
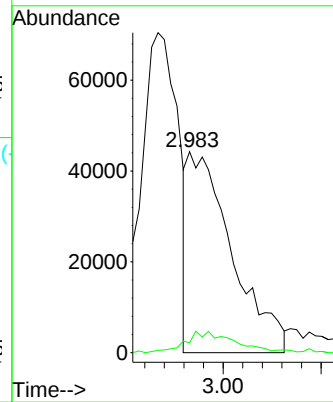
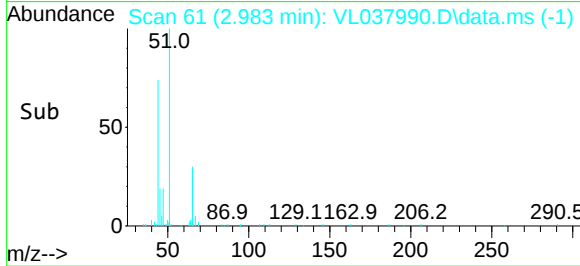
Instrument :
MSVOA_L
ClientSampleId :
COU05



Tgt Ion: 51 Resp: 69600
Ion Ratio Lower Upper
51 100
67 12.4 13.4 20.0

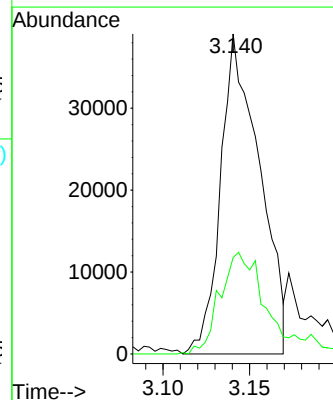
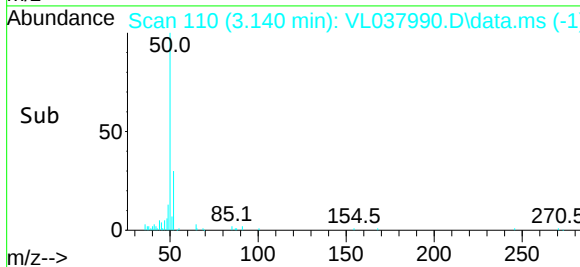
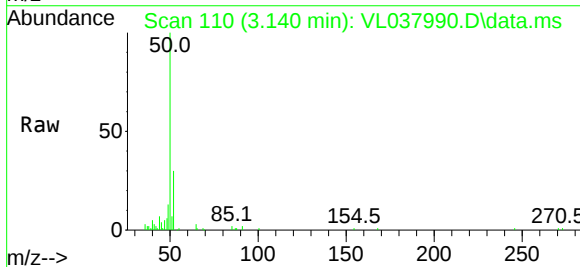
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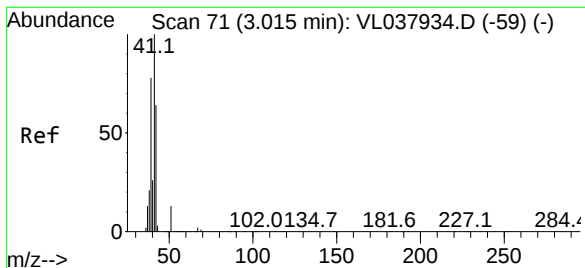
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#4
Chloromethane
Concen: 0.668 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

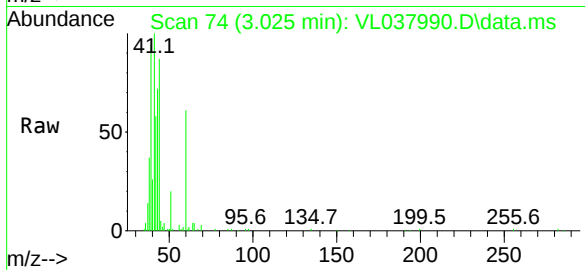
Tgt Ion: 50 Resp: 60986
Ion Ratio Lower Upper
50 100
52 29.7 26.3 39.5





#9
 Propene
 Concen: 0.967 ppbv
 RT: 3.025 min Scan# 71
 Delta R.T. 0.009 min
 Lab File: VL037990.D
 Acq: 9 Nov 2021 22:07

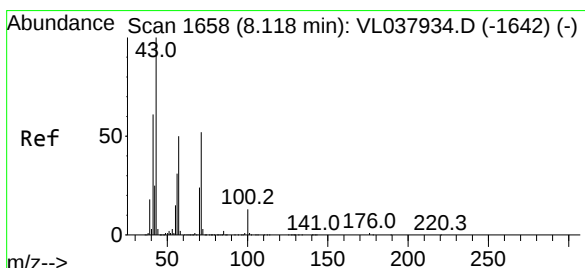
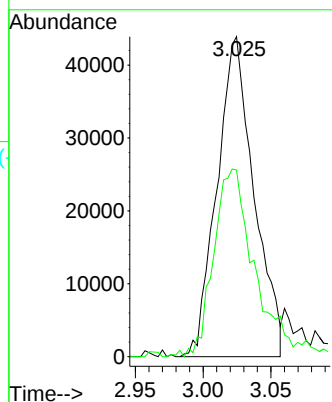
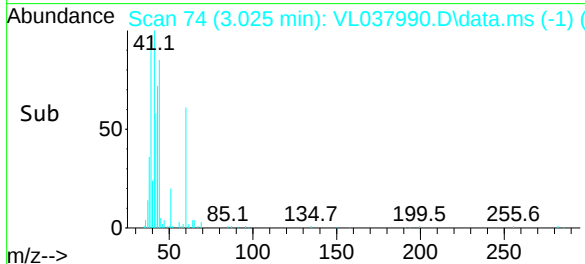
Instrument :
 MSVOA_L
 ClientSampleId :
 COU05



Tgt Ion: 41 Resp: 83249
 Ion Ratio Lower Upper
 41 100
 42 68.3 57.6 86.4

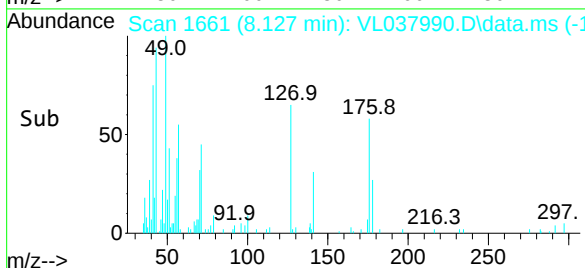
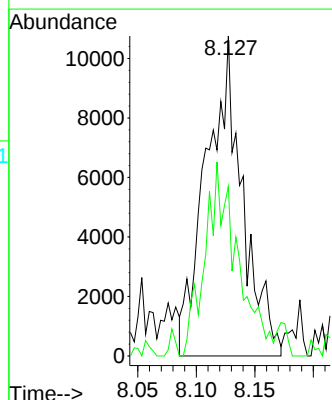
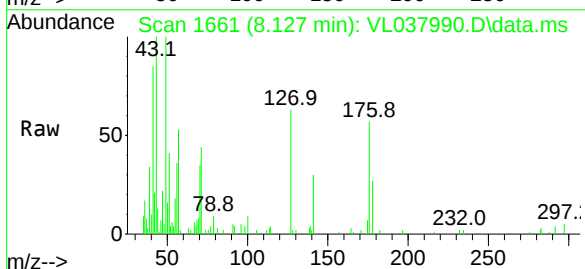
Manual Integrations
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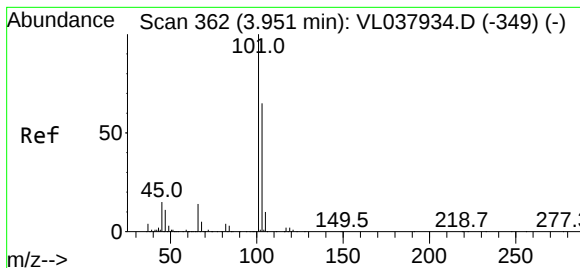
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#10
 Heptane
 Concen: 0.115 ppbv m
 RT: 8.127 min Scan# 1661
 Delta R.T. 0.009 min
 Lab File: VL037990.D
 Acq: 9 Nov 2021 22:07

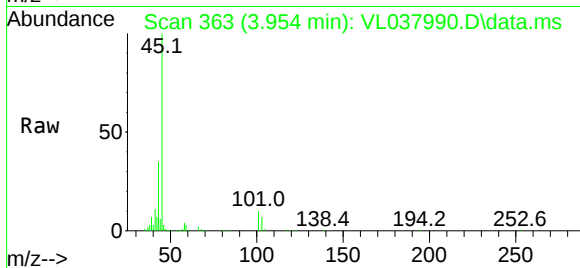
Tgt Ion: 43 Resp: 23053
 Ion Ratio Lower Upper
 43 100
 57 58.6 39.8 59.8





#11
Trichlorofluoromethane
Concen: 0.216 ppbv m
RT: 3.954 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

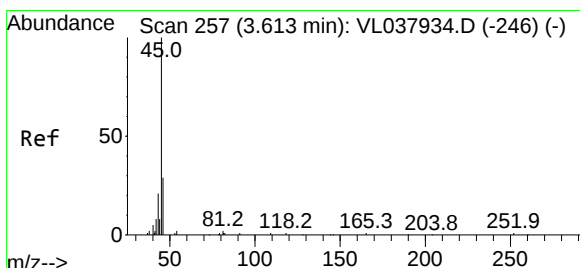
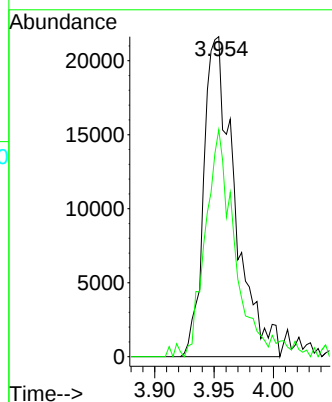
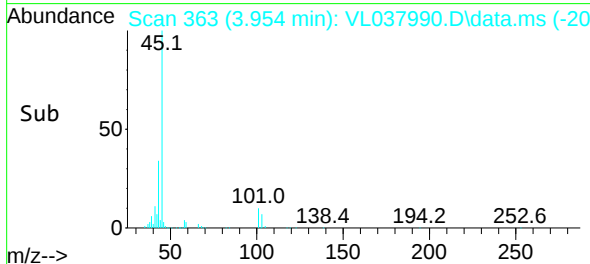
Instrument :
MSVOA_L
ClientSampleId :
COU05



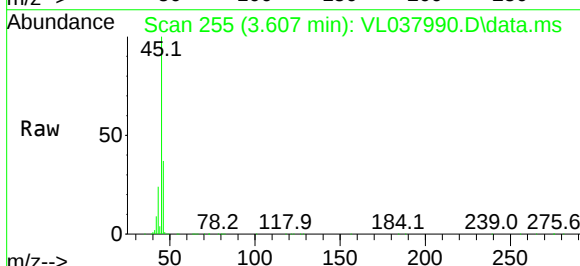
Tgt Ion:101 Resp: 39160
Ion Ratio Lower Upper
101 100
103 70.9 52.0 78.0

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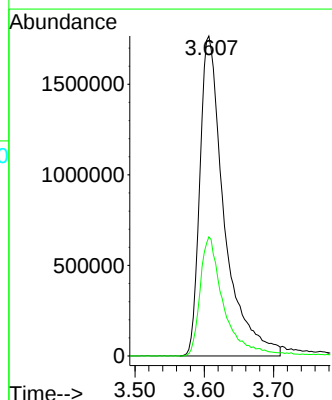
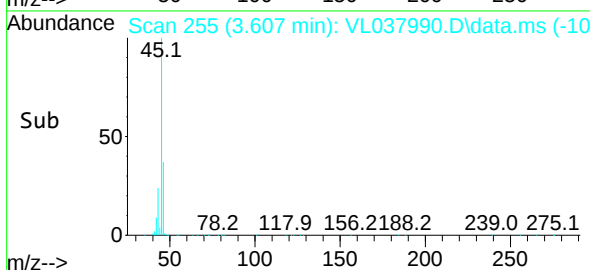
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

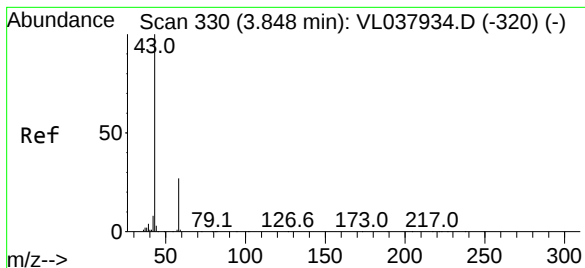


#13
Ethanol
Concen: 496.137 ppbv
RT: 3.607 min Scan# 255
Delta R.T. -0.007 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07



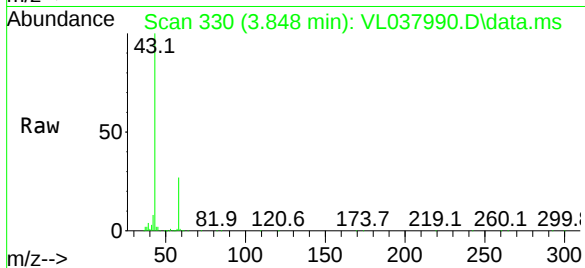
Tgt Ion: 45 Resp: 4308306
Ion Ratio Lower Upper
45 100
46 37.1 17.4 69.8





#15
Acetone
Concen: 17.587 ppbv
RT: 3.848 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

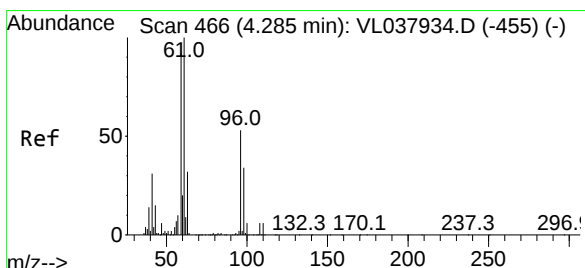
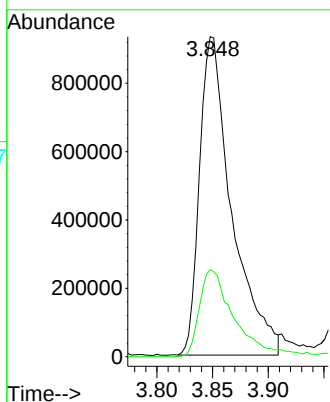
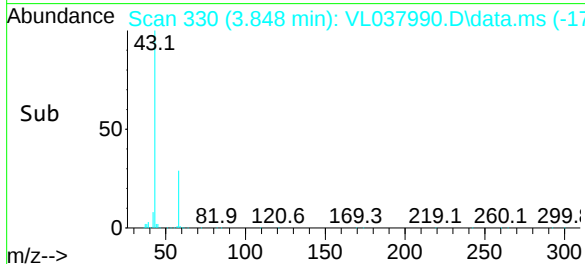
Instrument :
MSVOA_L
ClientSampleId :
COU05



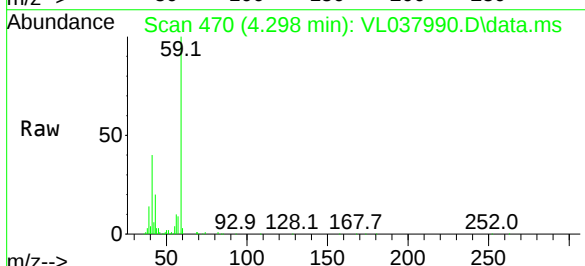
Tgt Ion: 43 Resp: 187422
Ion Ratio Lower Upper
43 100
58 29.7 23.3 34.9

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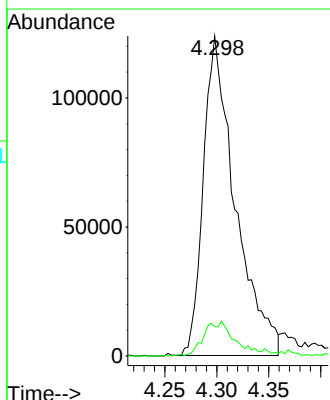
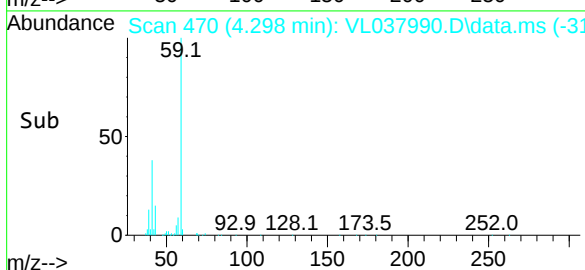
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

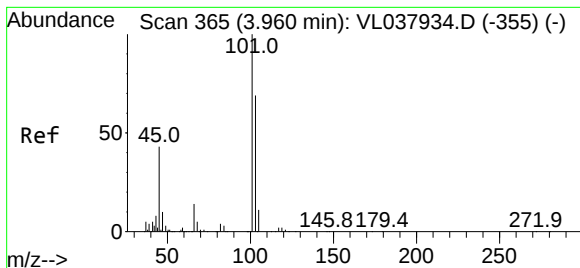


#17
tert-Butyl alcohol
Concen: 2.383 ppbv
RT: 4.298 min Scan# 470
Delta R.T. 0.013 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07



Tgt Ion: 59 Resp: 264019
Ion Ratio Lower Upper
59 100
57 11.9 8.9 13.3





#19

Isopropyl Alcohol

Concen: 28.323 ppbv

RT: 3.970 min Scan# 30

Delta R.T. 0.010 min

Lab File: VL037990.D

Acq: 9 Nov 2021 22:07

Instrument :

MSVOA_L

ClientSampleId :

COU05

Tgt Ion: 45 Resp: 1930090

Ion Ratio Lower Upper

45 100

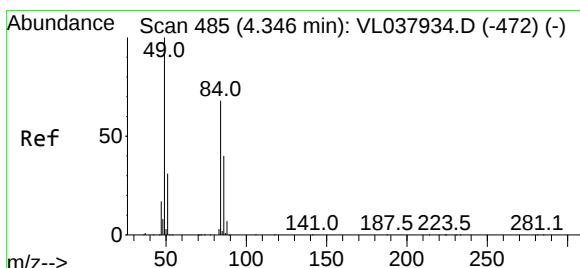
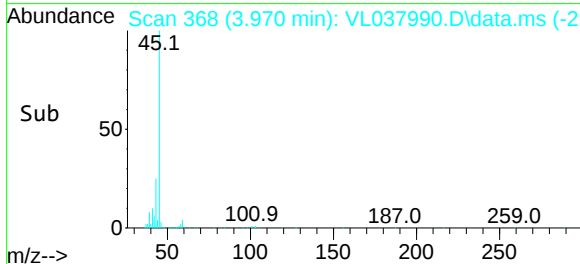
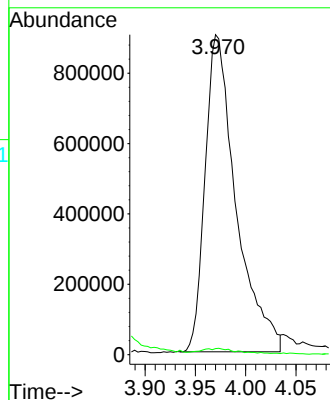
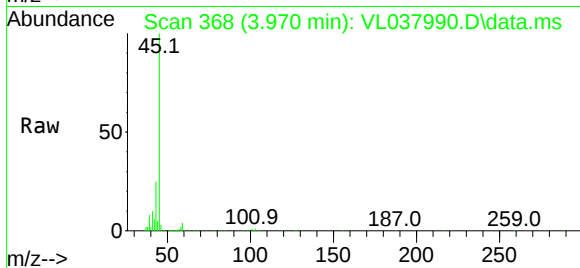
58 2.9 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#20

Methylene Chloride

Concen: 9.652 ppbv

RT: 4.346 min Scan# 485

Delta R.T. -0.000 min

Lab File: VL037990.D

Acq: 9 Nov 2021 22:07

Tgt Ion: 84 Resp: 564664

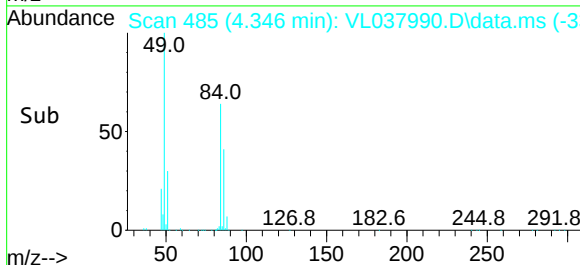
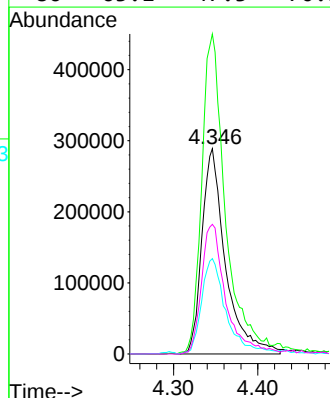
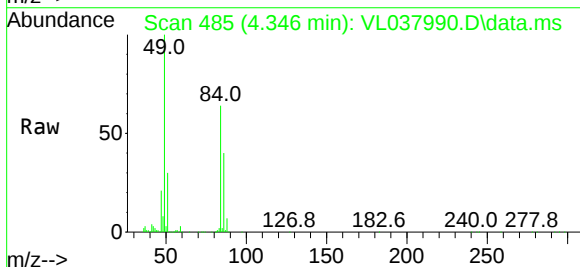
Ion Ratio Lower Upper

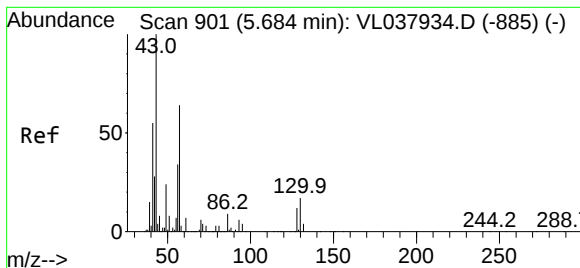
84 100

49 155.2 117.5 176.3

51 46.1 35.9 53.9

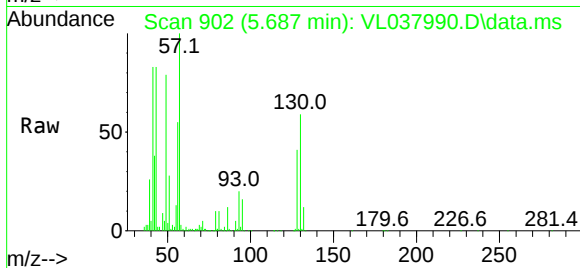
86 63.1 47.3 70.9





#26
Hexane
Concen: 3.287 ppbv
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

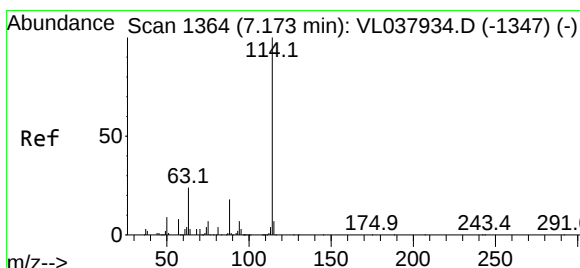
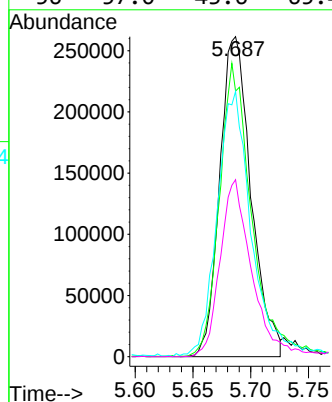
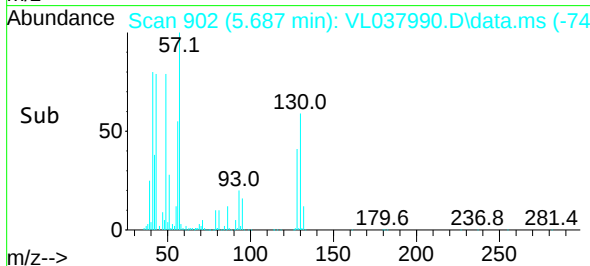
Instrument :
MSVOA_L
ClientSampleId :
COU05



Tgt Ion: 57 Resp: 492960
Ion Ratio Lower Upper
57 100
41 96.2 71.0 106.6
43 91.2 173.0 259.6
56 57.0 43.6 65.4

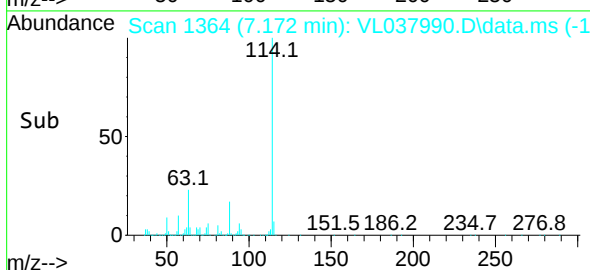
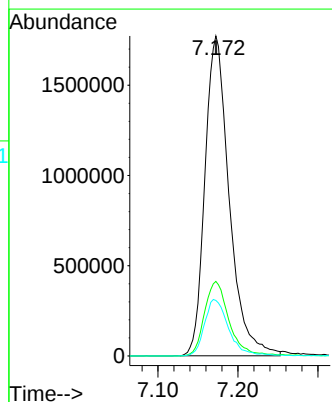
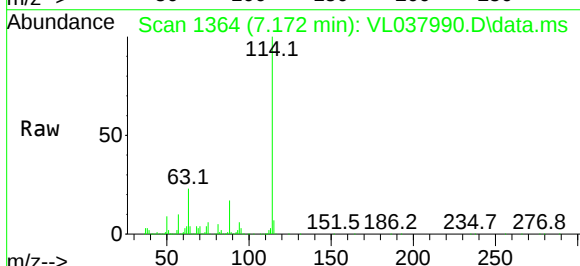
Manual Integrations
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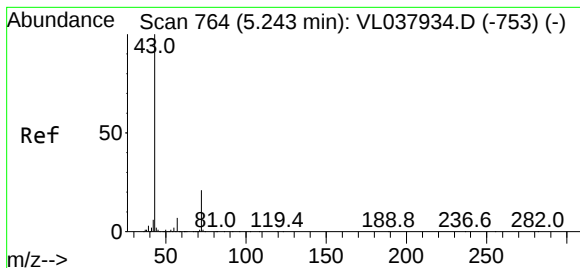
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.172 min Scan# 1364
Delta R.T. -0.000 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

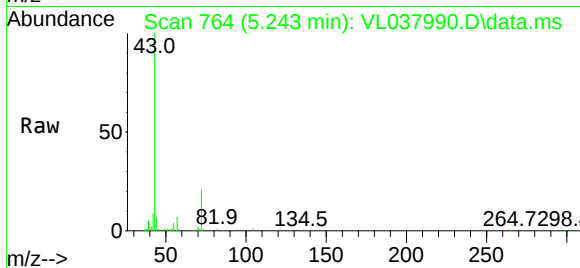
Tgt Ion:114 Resp: 3751738
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.0
88 17.8 14.2 21.4





#34
2-Butanone
Concen: 1.278 ppbv
RT: 5.243 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

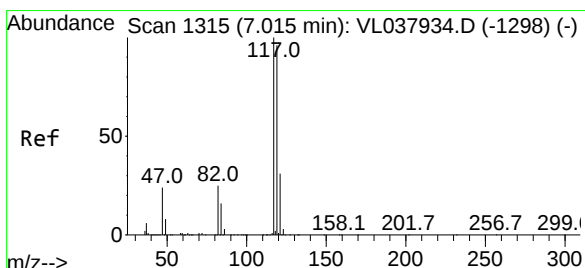
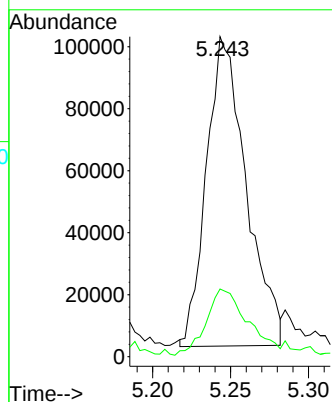
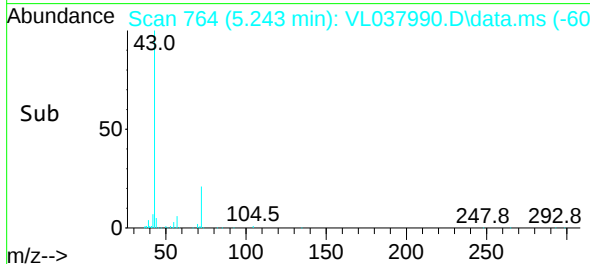
Instrument :
MSVOA_L
ClientSampleId :
COU05



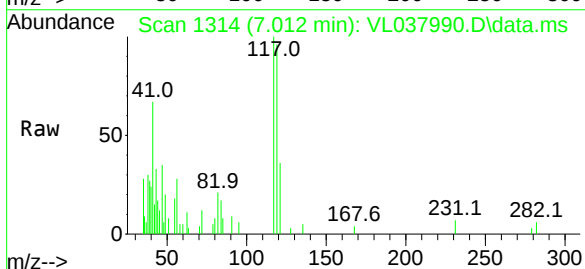
Tgt Ion: 43 Resp: 17766
Ion Ratio Lower Upper
43 100
72 26.1 18.3 27.5

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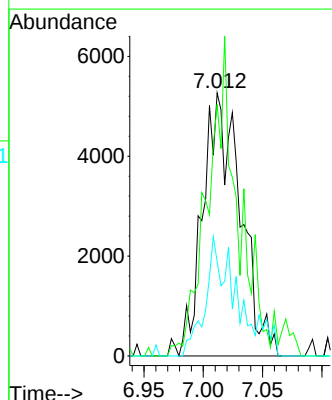
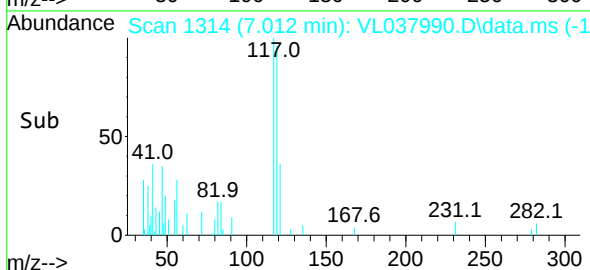
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

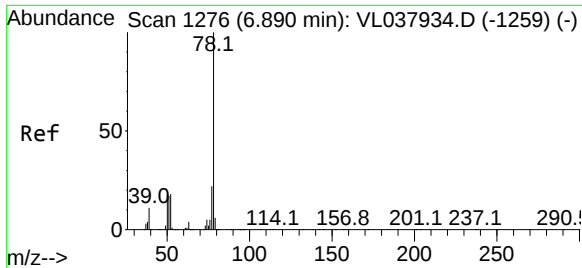


#35
Carbon Tetrachloride
Concen: 0.051 ppbv m
RT: 7.012 min Scan# 1314
Delta R.T. -0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07



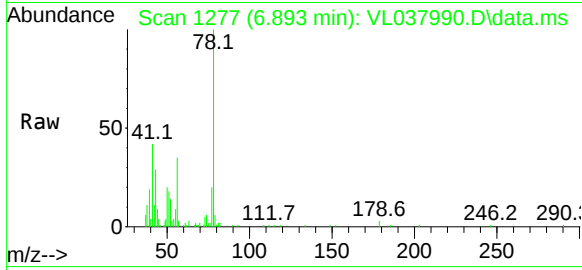
Tgt Ion:117 Resp: 11618
Ion Ratio Lower Upper
117 100
119 95.6 76.6 114.8
121 35.8 25.1 37.7





#36
Benzene
Concen: 0.162 ppbv m
RT: 6.893 min Scan# 1276
Delta R.T. 0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

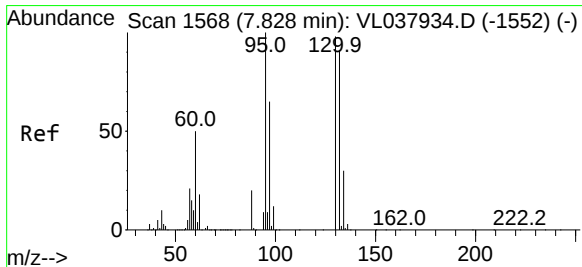
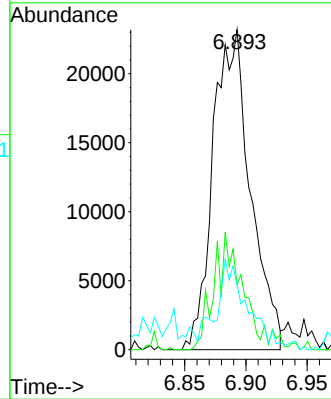
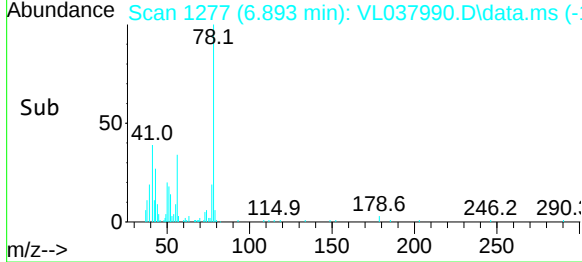
Instrument :
MSVOA_L
ClientSampleId :
COU05



Tgt Ion: 78 Resp: 49340
Ion Ratio Lower Upper
78 100
77 20.4 17.9 26.9
50 20.4 14.4 21.6

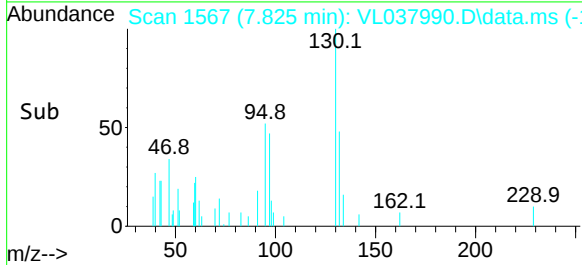
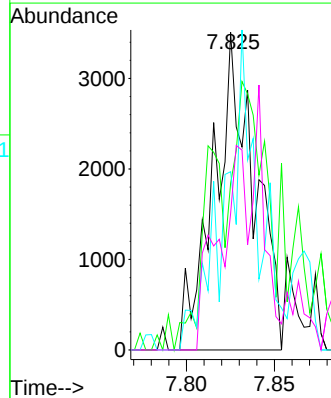
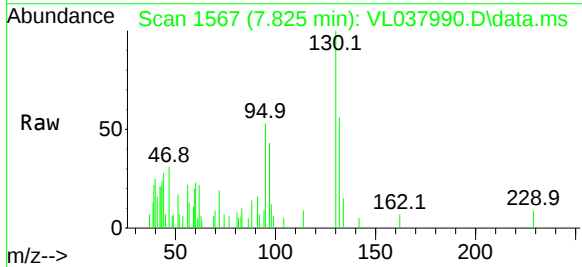
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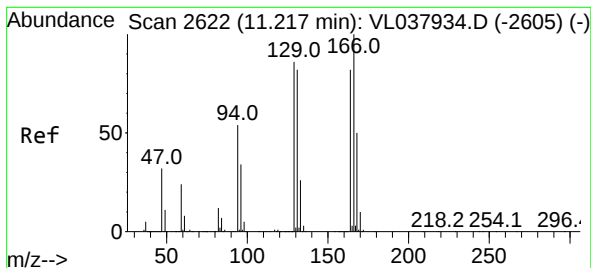
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#38
Trichloroethene
Concen: 0.044 ppbv m
RT: 7.825 min Scan# 1567
Delta R.T. -0.003 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

Tgt Ion:130 Resp: 5586
Ion Ratio Lower Upper
130 100
95 52.5 81.8 122.8#
132 56.1 74.2 111.2#
97 43.0 53.4 80.2#





#52

Tetrachloroethene

Concen: 0.296 ppbv

RT: 11.217 min Scan# 2622

Delta R.T. -0.000 min

Lab File: VL037990.D

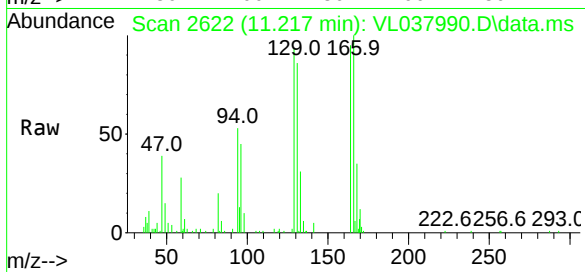
Acq: 9 Nov 2021 22:07

Instrument :

MSVOA_L

ClientSampleId :

COU05



Tgt Ion:164 Resp: 3426

Ion Ratio Lower Upper

164 100

166 105.2 97.6 146.4

129 98.7 84.2 126.2

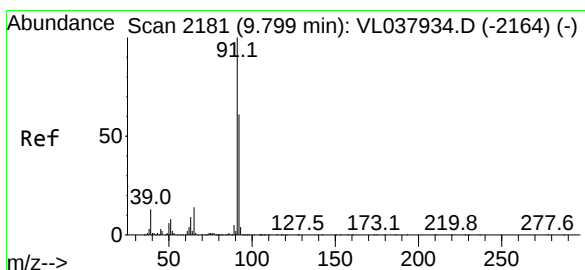
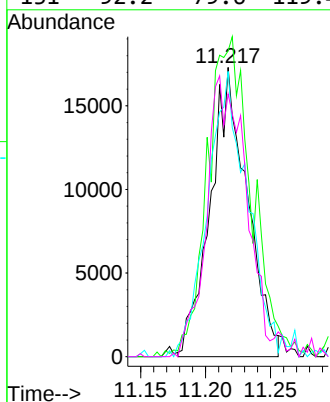
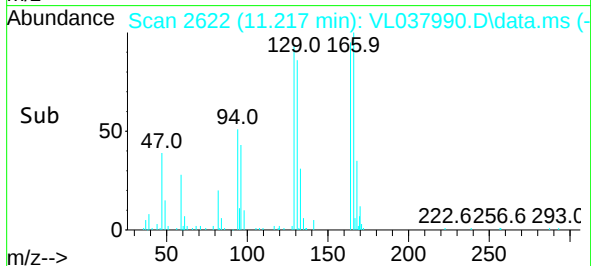
131 92.2 79.6 119.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#53

Toluene

Concen: 0.691 ppbv

RT: 9.799 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VL037990.D

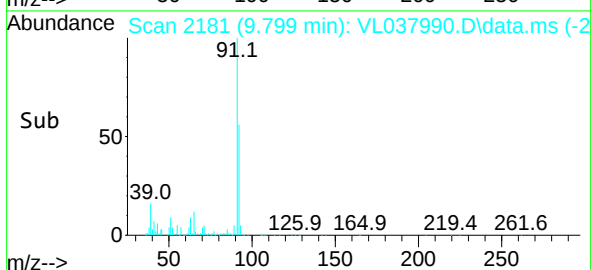
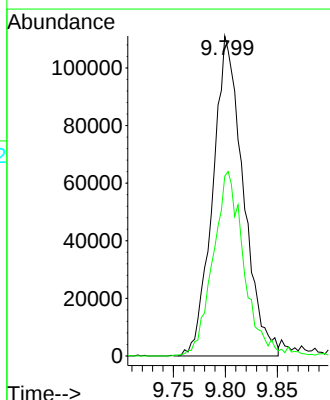
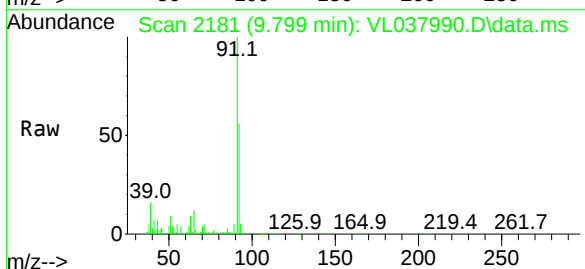
Acq: 9 Nov 2021 22:07

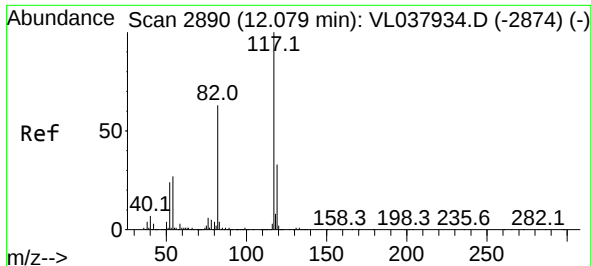
Tgt Ion: 91 Resp: 226451

Ion Ratio Lower Upper

91 100

92 58.8 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: VL037990.D

Acq: 9 Nov 2021 22:07

Instrument :

MSVOA_L

ClientSampleId :

COU05

Tgt Ion:117 Resp: 3206430

Ion Ratio Lower Upper

117 100

82 63.9 51.0 76.6

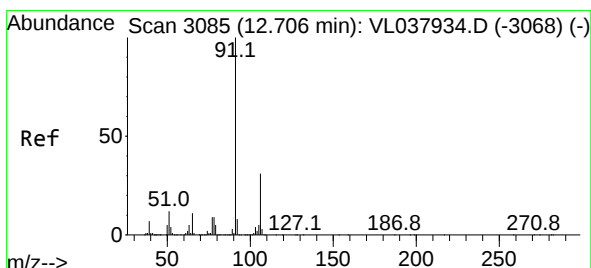
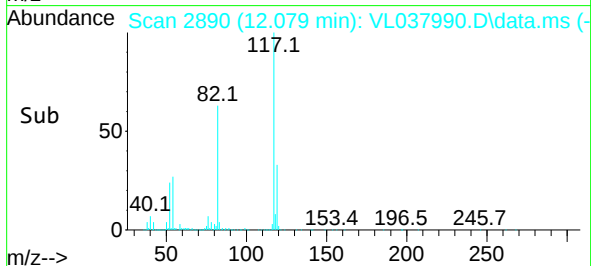
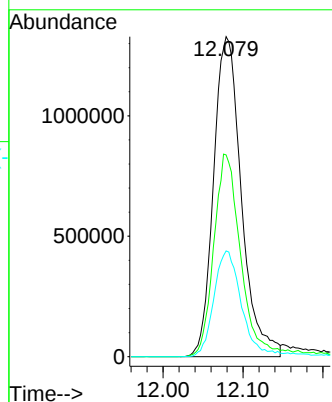
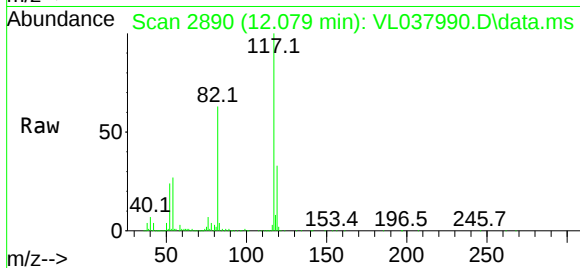
119 33.6 26.9 40.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#58

Ethyl Benzene

Concen: 0.100 ppbv m

RT: 12.700 min Scan# 3083

Delta R.T. -0.007 min

Lab File: VL037990.D

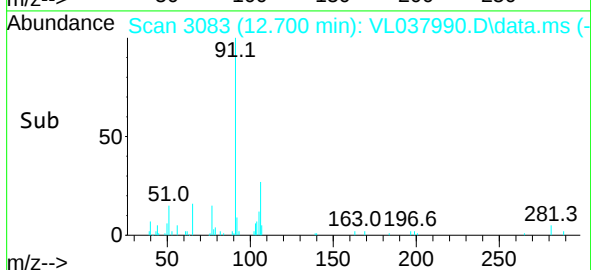
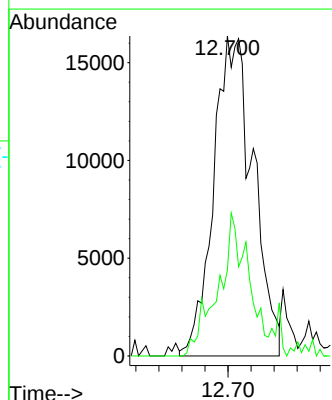
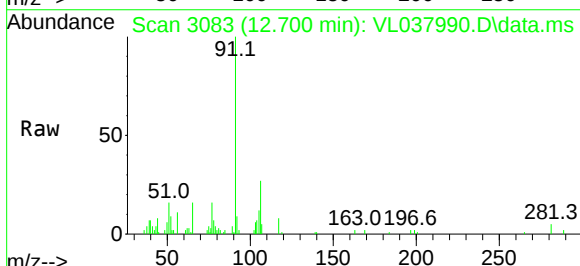
Acq: 9 Nov 2021 22:07

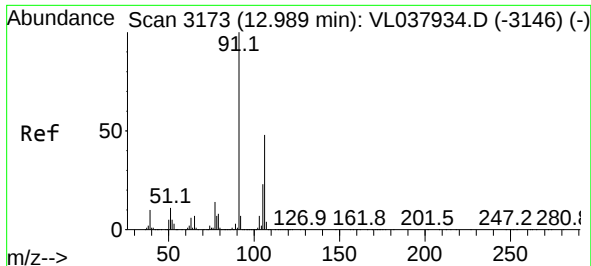
Tgt Ion: 91 Resp: 39119

Ion Ratio Lower Upper

91 100

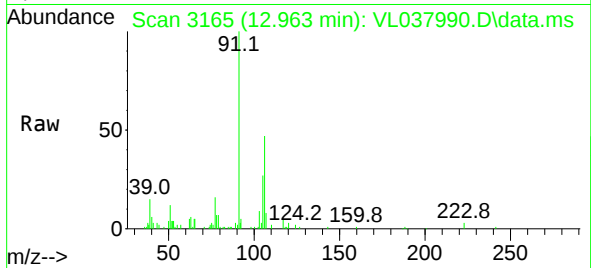
106 26.9 25.1 37.7





#59
m/p-Xylene
Concen: 0.286 ppbv m
RT: 12.963 min Scan# 3173
Delta R.T. -0.026 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

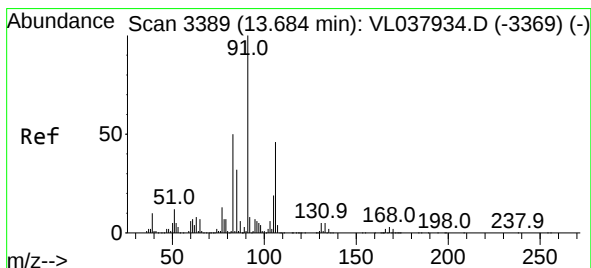
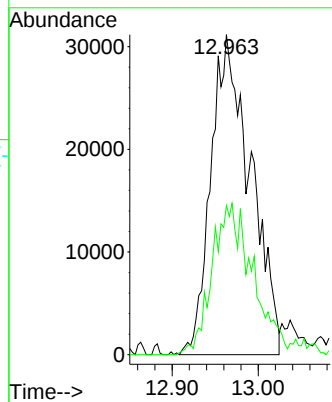
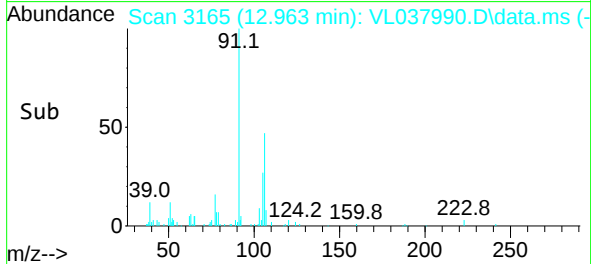
Instrument :
MSVOA_L
ClientSampleId :
C0U05



Tgt Ion: 91 Resp: 9977
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

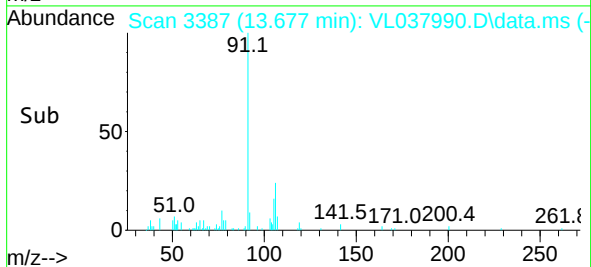
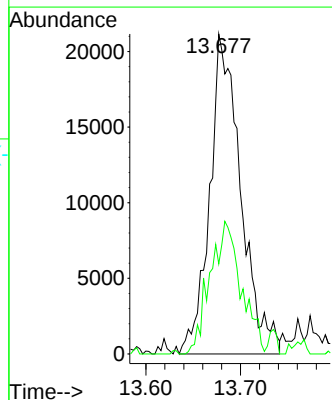
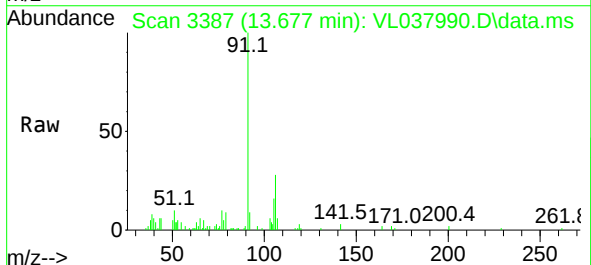
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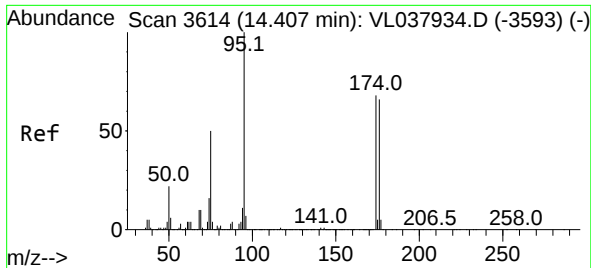
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#60
o-Xylene
Concen: 0.147 ppbv m
RT: 13.677 min Scan# 3387
Delta R.T. -0.007 min
Lab File: VL037990.D
Acq: 9 Nov 2021 22:07

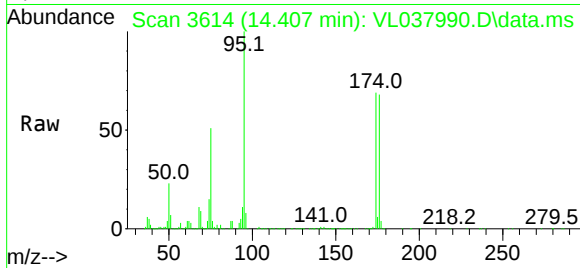
Tgt Ion: 91 Resp: 48313
Ion Ratio Lower Upper
91 100
106 43.7 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.366 ppbv
 RT: 14.407 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL037990.D
 Acq: 9 Nov 2021 22:07

Instrument :
 MSVOA_L
 ClientSampleId :
 C0U05



Tgt Ion: 95 Resp: 218305
 Ion Ratio Lower Upper
 95 100
 174 76.6 58.3 87.5
 175 5.5 4.6 6.8

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

