

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037986.D
 Acq On : 9 Nov 2021 19:28
 Operator : SY/AP
 Sample : M4555-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU03

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:49:28 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 04:49:28 2021

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

Response via : Initial Calibration

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

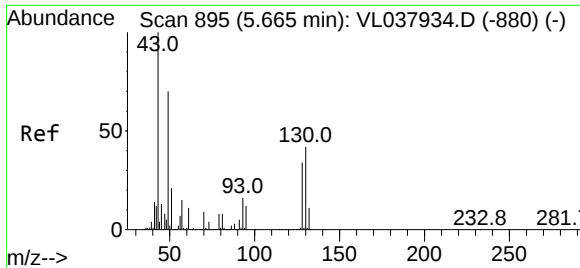
Internal Standards						
1) Bromochloromethane	5.665	49	1280716	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3650722	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3120465	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2183510	9.626	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	40097m	0.222	ppbv	
4) Chloromethane	3.150	50	64124m	0.708	ppbv	
9) Propene	3.025	41	120936	1.415	ppbv	83
10) Heptane	8.118	43	46370m	0.233	ppbv	
11) Trichlorofluoromethane	3.951	101	37318	0.208	ppbv	88
13) Ethanol	3.607	45	7446091	863.445	ppbv	92
15) Acetone	3.851	43	1892290	17.881	ppbv	95
19) Isopropyl Alcohol	3.973	45	367191	5.426	ppbv #	96
20) Methylene Chloride	4.343	84	849628	14.624	ppbv	91
26) Hexane	5.687	57	789672	5.302	ppbv #	52
29) Chloroform	5.751	83	592274	2.667	ppbv	98
34) 2-Butanone	5.250	43	79526	0.588	ppbv	94
35) Carbon Tetrachloride	7.012	117	14946m	0.068	ppbv	
36) Benzene	6.890	78	133986m	0.451	ppbv	
37) 1,2-Dichloroethane	6.311	62	42747m	0.302	ppbv	
44) 2,2,4-Trimethylpentane	7.867	57	102901	0.203	ppbv #	72
52) Tetrachloroethene	11.221	164	5560m	0.049	ppbv	
53) Toluene	9.799	91	555947	1.744	ppbv	99
58) Ethyl Benzene	12.703	91	77993	0.204	ppbv	92
59) m/p-Xylene	12.963	91	202596m	0.597	ppbv	
60) o-Xylene	13.684	91	100011m	0.313	ppbv	
61) Styrene	13.532	104	24592m	0.167	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	39806m	0.111	ppbv	

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

Manual Integrations

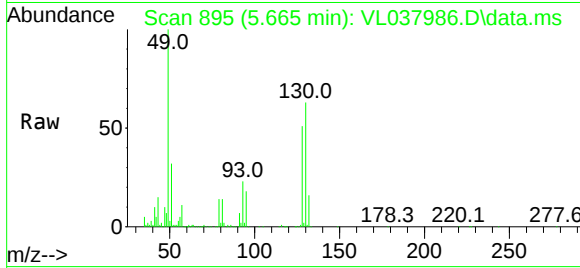
Quant Time: Nov 10 04:49:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 895
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

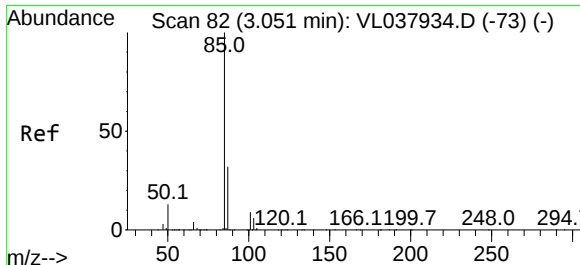
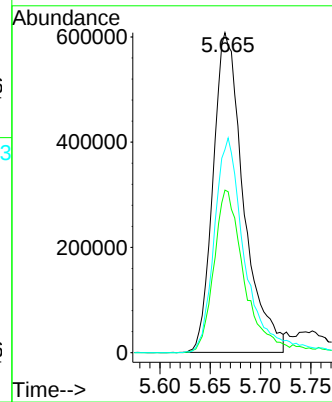
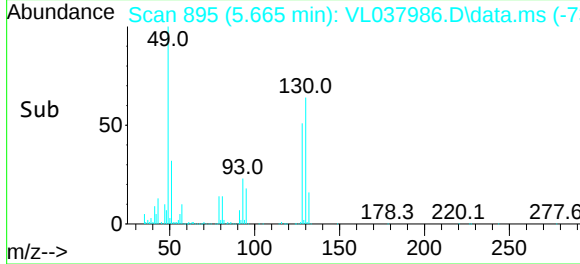
Instrument :
MSVOA_L
ClientSampleId :
COU03



Tgt Ion: 49 Resp: 1280710
Ion Ratio Lower Upper
49 100
128 52.7 27.0 81.0
130 69.4 33.4 100.2

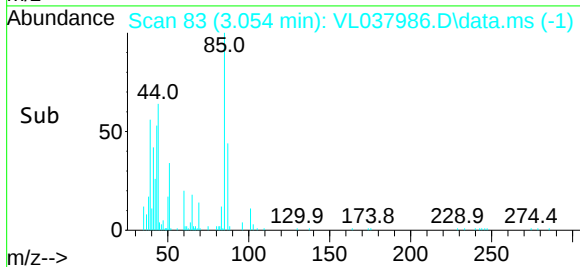
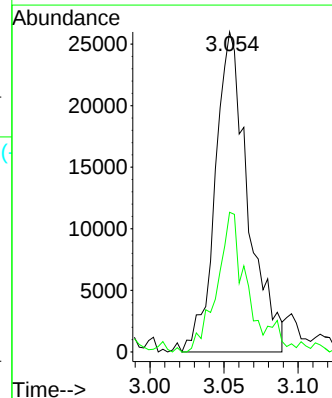
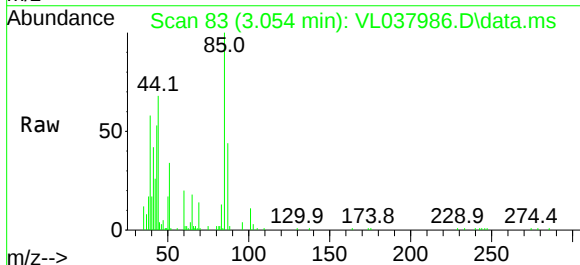
Manual Integrations
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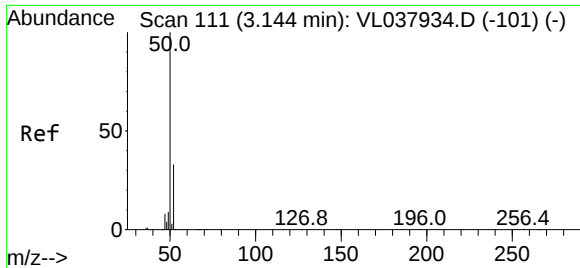
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#2
Dichlorodifluoromethane
Concen: 0.222 ppbv m
RT: 3.054 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

Tgt Ion: 85 Resp: 40097
Ion Ratio Lower Upper
85 100
87 43.7 25.3 37.9





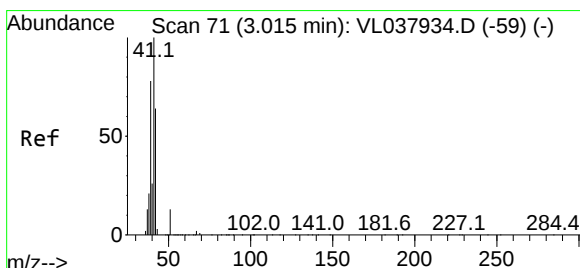
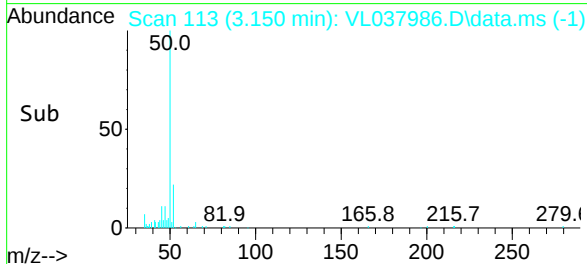
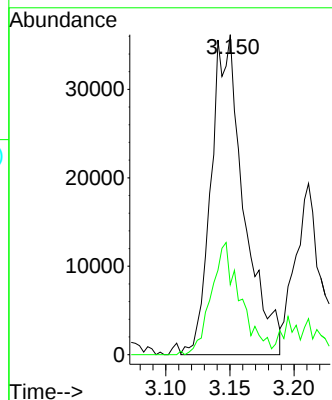
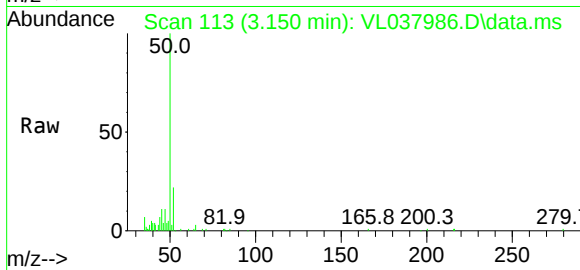
#4
Chloromethane
Concen: 0.708 ppbv m
RT: 3.150 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

Instrument :
MSVOA_L
ClientSampleId :
COU03

Tgt Ion: 50 Resp: 64124
Ion Ratio Lower Upper
50 100
52 21.9 26.3 39.5

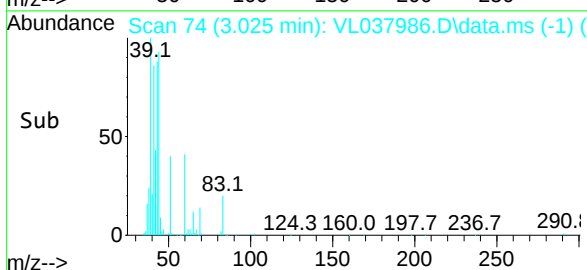
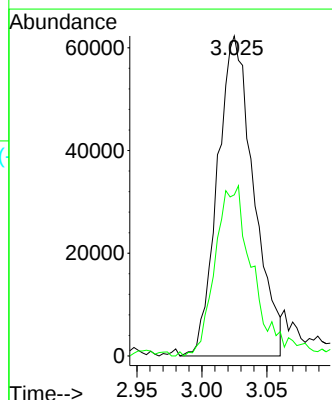
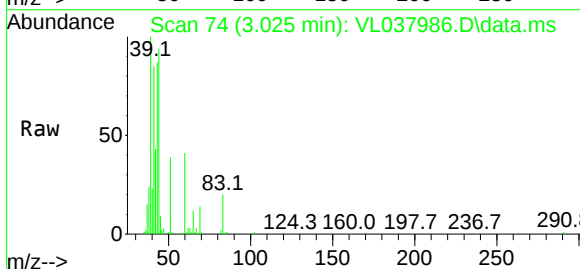
Manual Integrations
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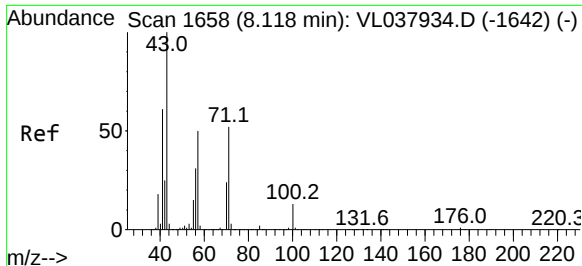
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#9
Propene
Concen: 1.415 ppbv
RT: 3.025 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

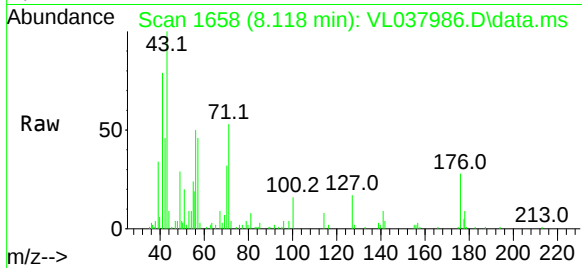
Tgt Ion: 41 Resp: 120936
Ion Ratio Lower Upper
41 100
42 57.9 57.6 86.4





#10
Heptane
Concen: 0.233 ppbv m
RT: 8.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

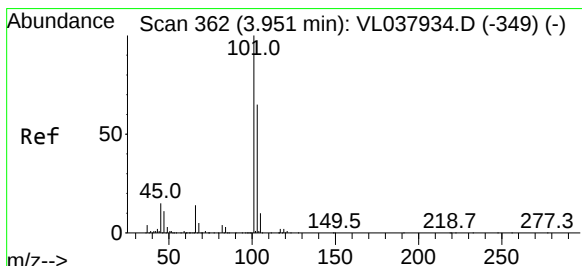
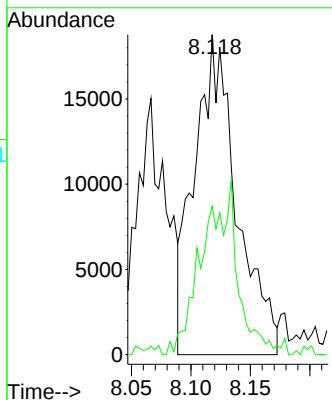
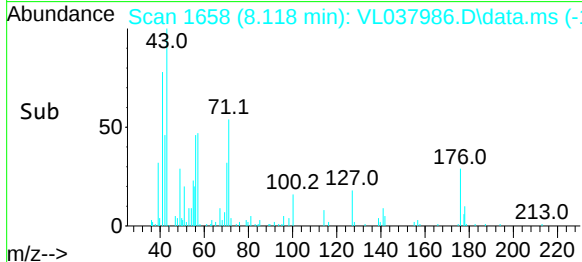
Instrument :
MSVOA_L
ClientSampleId :
COU03



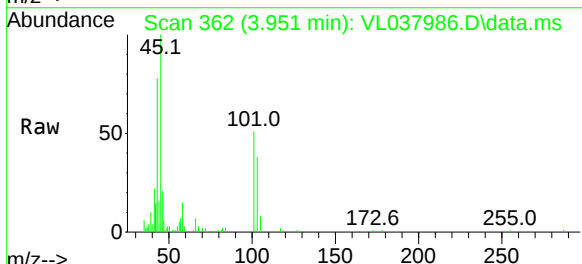
Tgt Ion: 43 Resp: 46370
Ion Ratio Lower Upper
43 100
57 0.0 39.8 59.8

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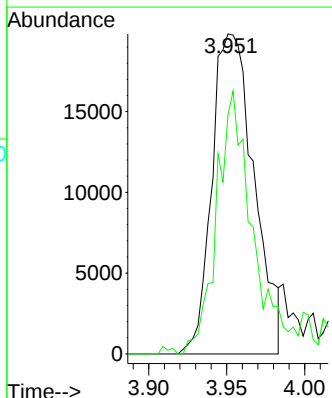
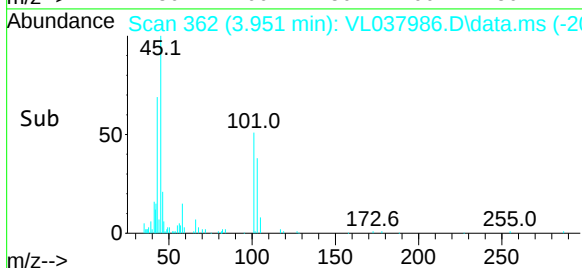
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

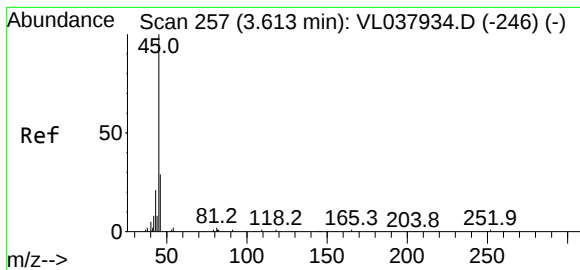


#11
Trichlorofluoromethane
Concen: 0.208 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



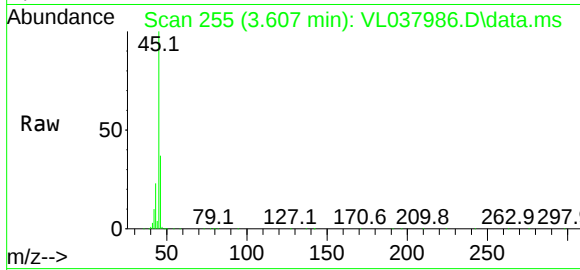
Tgt Ion:101 Resp: 37318
Ion Ratio Lower Upper
101 100
103 74.6 52.0 78.0





#13
Ethanol
Concen: 863.445 ppbv
RT: 3.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

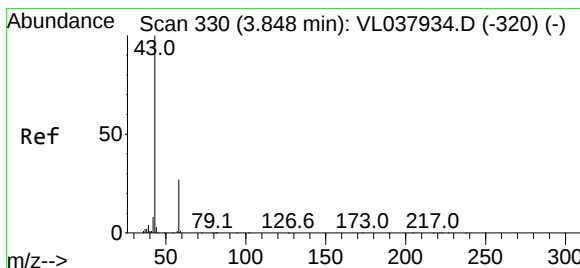
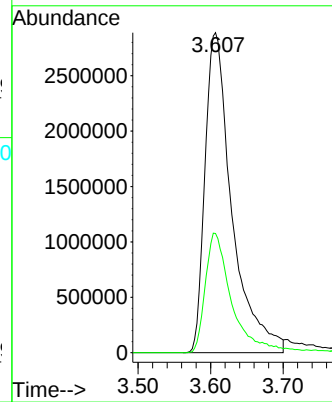
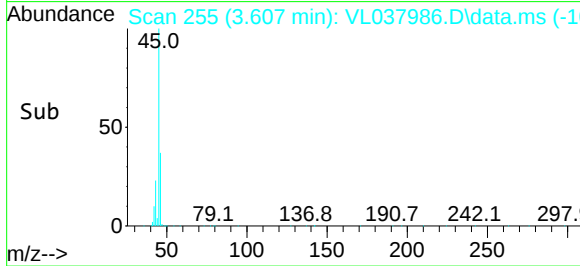
Instrument :
MSVOA_L
ClientSampleId :
COU03



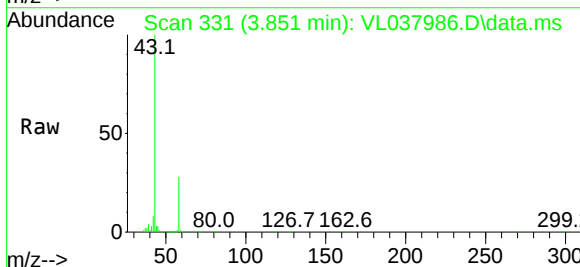
Tgt Ion: 45 Resp: 744609
Ion Ratio Lower Upper
45 100
46 38.2 17.4 69.8

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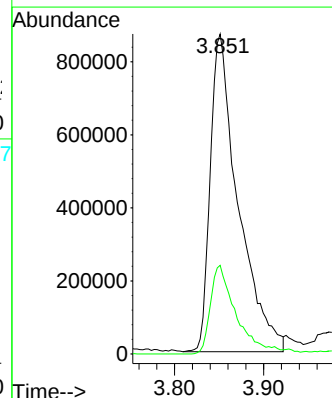
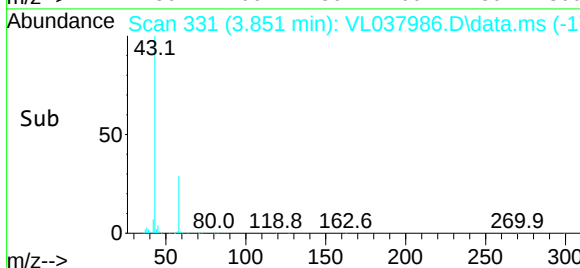
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

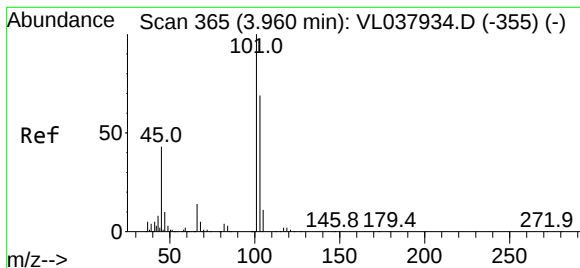


#15
Acetone
Concen: 17.881 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



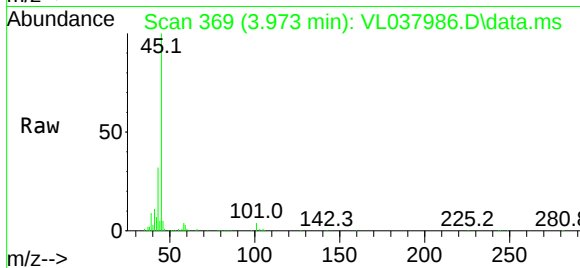
Tgt Ion: 43 Resp: 1892290
Ion Ratio Lower Upper
43 100
58 26.4 23.3 34.9





#19
Isopropyl Alcohol
Concen: 5.426 ppbv
RT: 3.973 min Scan# 369
Delta R.T. 0.013 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

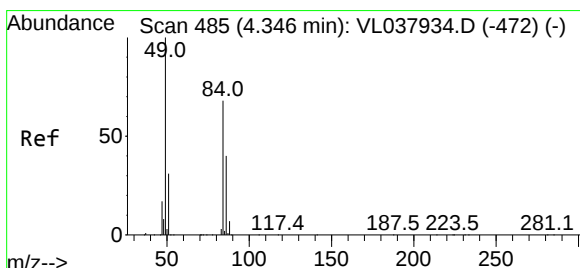
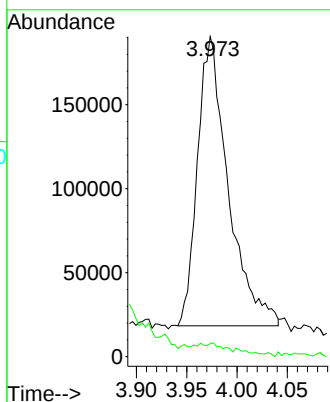
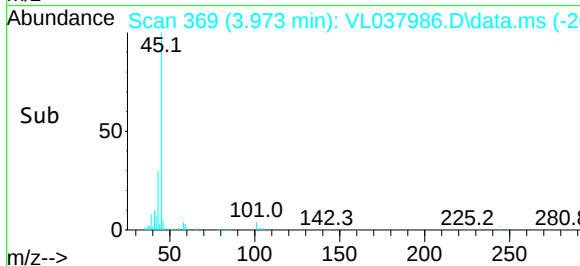
Instrument :
MSVOA_L
ClientSampleId :
COU03



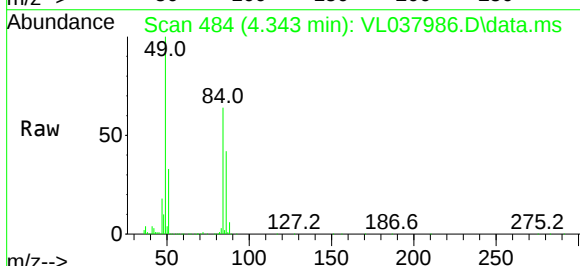
Tgt Ion: 45 Resp: 36719
Ion Ratio Lower Upper
45 100
58 6.3 4.0 6.0

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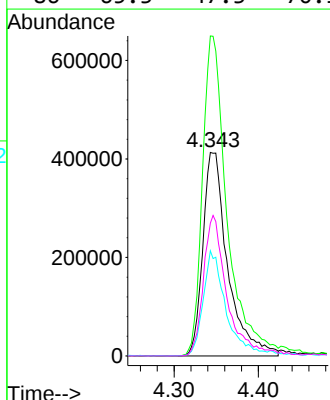
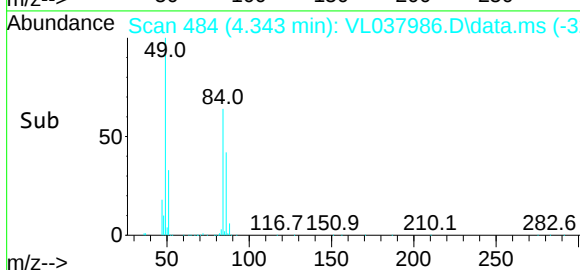
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

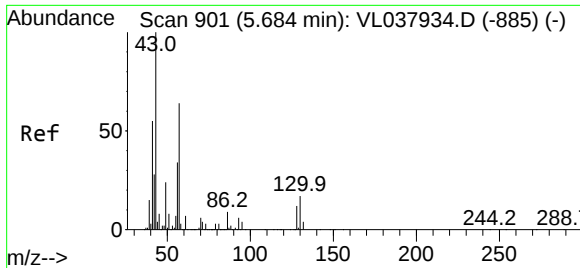


#20
Methylene Chloride
Concen: 14.624 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



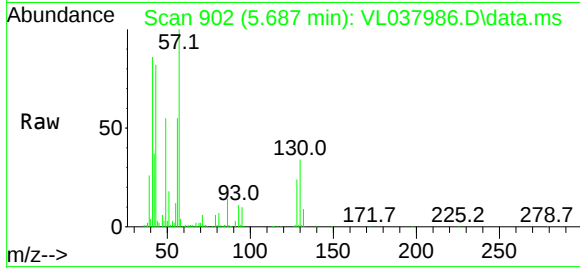
Tgt Ion: 84 Resp: 849628
Ion Ratio Lower Upper
84 100
49 157.2 117.5 176.3
51 51.5 35.9 53.9
86 65.3 47.3 70.9





#26
Hexane
Concen: 5.302 ppbv
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

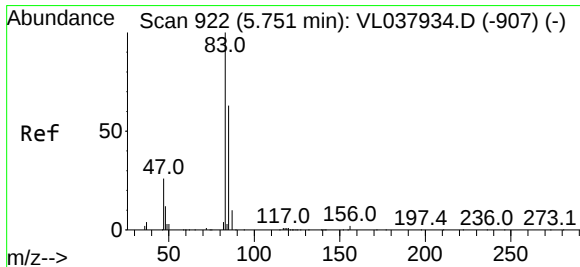
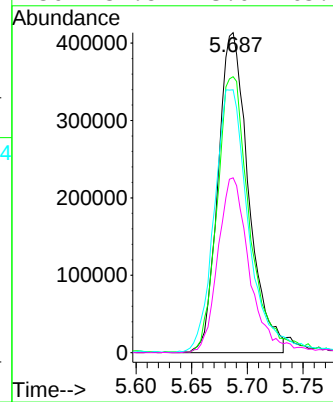
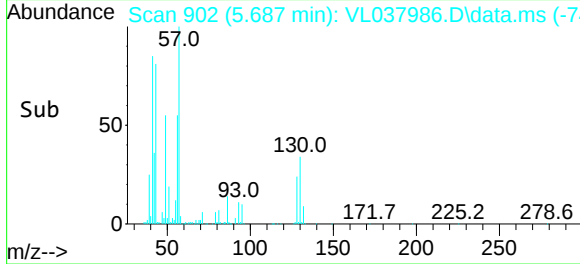
Instrument :
MSVOA_L
ClientSampleId :
COU03



Tgt Ion: 57 Resp: 789672
Ion Ratio Lower Upper
57 100
41 93.4 71.0 106.6
43 93.4 173.0 259.6
56 57.8 43.6 65.4

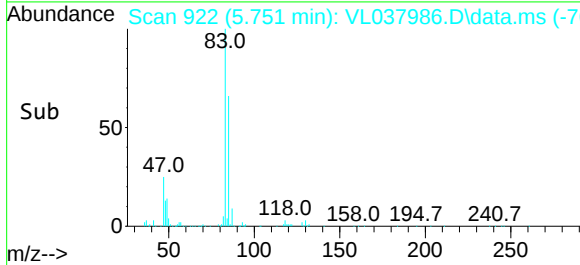
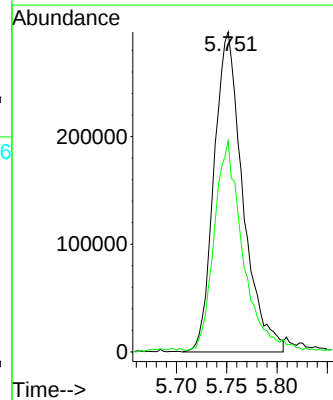
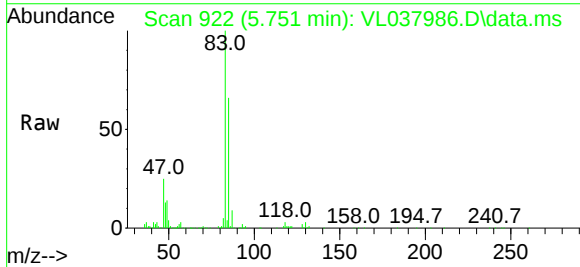
Manual Integrations
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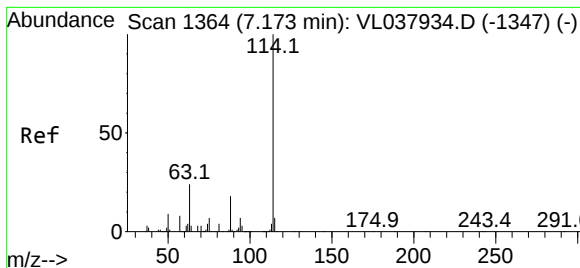
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#29
Chloroform
Concen: 2.667 ppbv
RT: 5.751 min Scan# 922
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

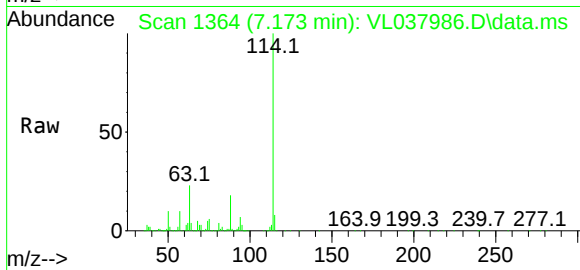
Tgt Ion: 83 Resp: 592274
Ion Ratio Lower Upper
83 100
85 65.2 50.6 76.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 1114
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

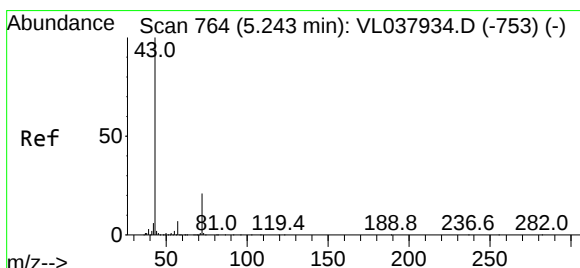
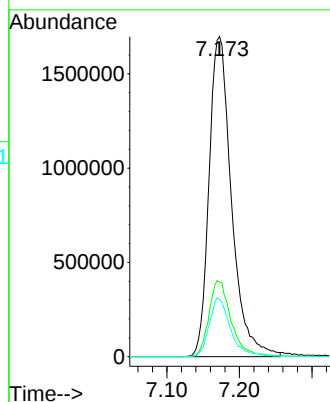
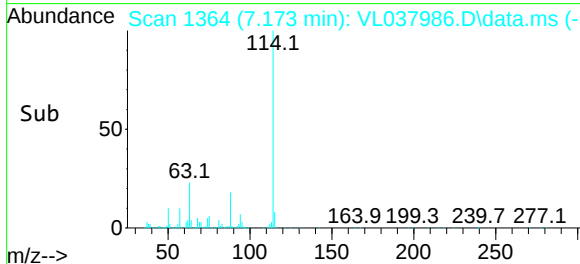
Instrument :
MSVOA_L
ClientSampleId :
COU03



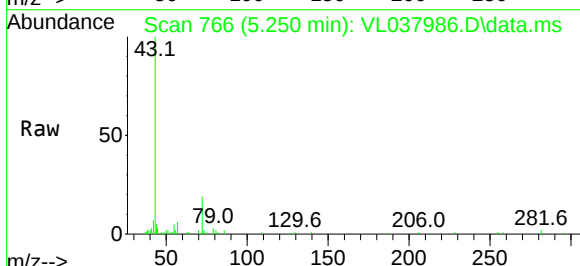
Tgt Ion:114 Resp: 365072
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.0
88 17.6 14.2 21.4

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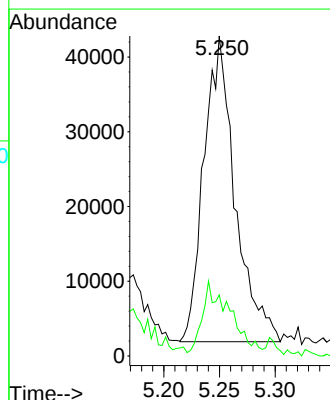
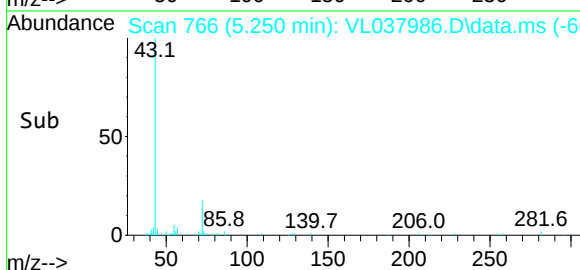
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

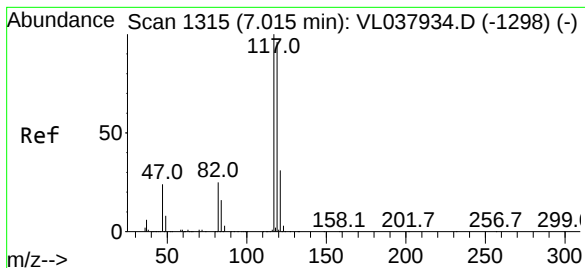


#34
2-Butanone
Concen: 0.588 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



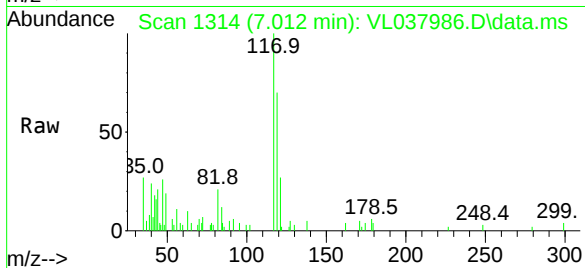
Tgt Ion: 43 Resp: 79526
Ion Ratio Lower Upper
43 100
72 25.7 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.012 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

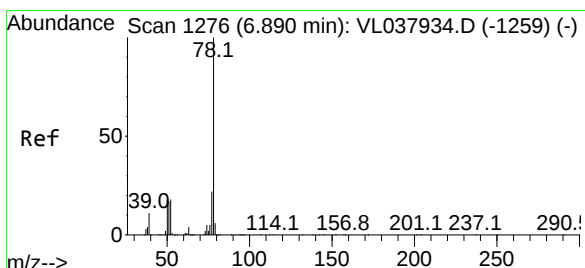
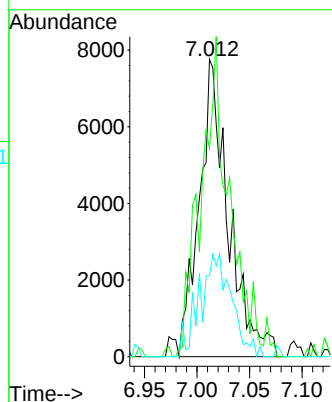
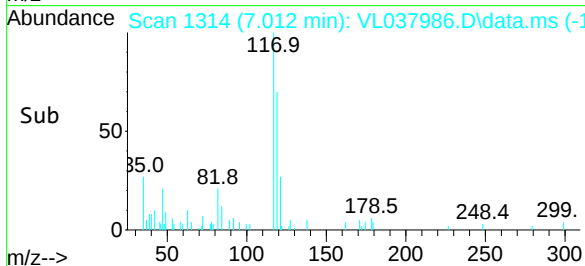
Instrument : MSVOA_L
ClientSampleId : COU03



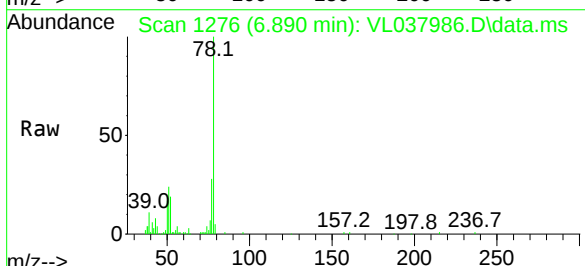
Tgt Ion: 117 Resp: 14940
Ion Ratio Lower Upper
117 100
119 70.0 76.6 114.8
121 27.3 25.1 37.7

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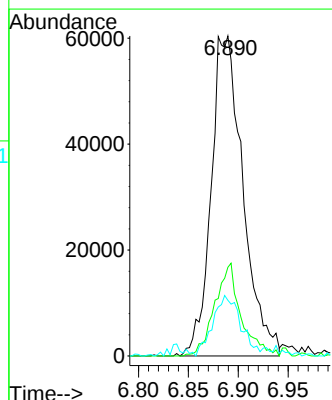
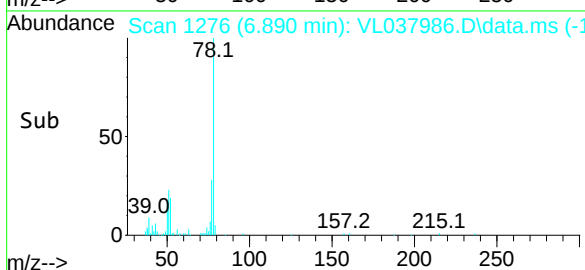
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

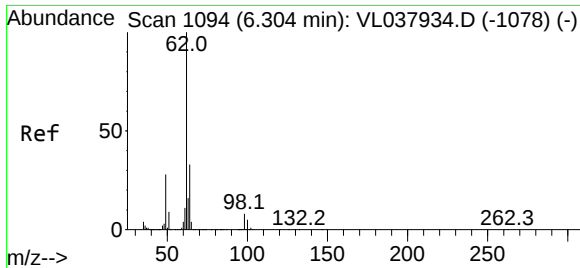


#36
Benzene
Concen: 0.451 ppbv m
RT: 6.890 min Scan# 1276
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



Tgt Ion: 78 Resp: 133986
Ion Ratio Lower Upper
78 100
77 27.7 17.9 26.9
50 17.4 14.4 21.6





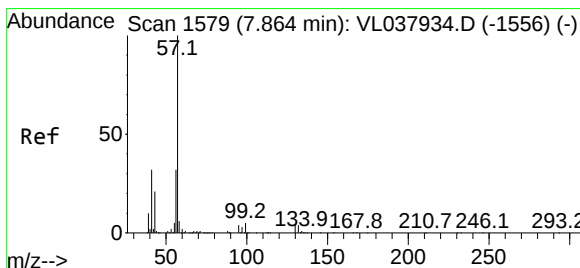
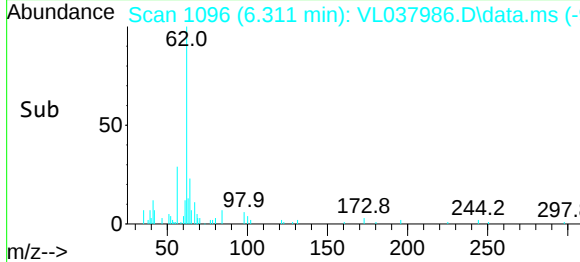
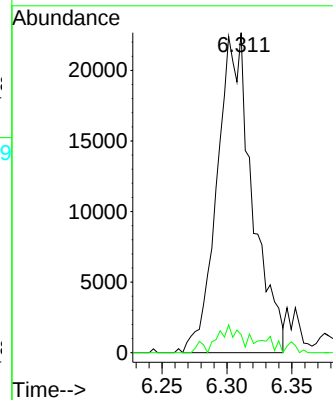
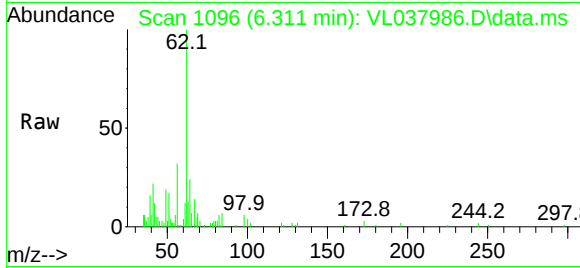
#37
1,2-Dichloroethane
Concen: 0.302 ppbv
RT: 6.311 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

Instrument :
MSVOA_L
ClientSampleId :
COU03

Tgt Ion: 62 Resp: 4274
Ion Ratio Lower Upper
62 100
98 5.6 6.5 9.7

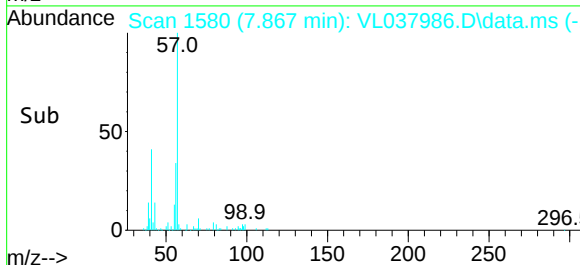
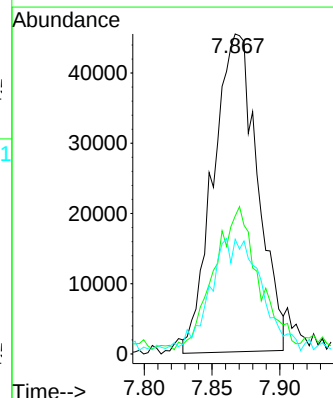
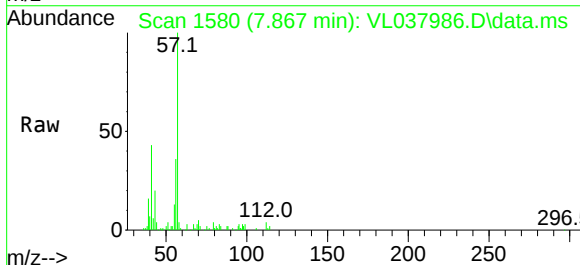
Manual Integrations
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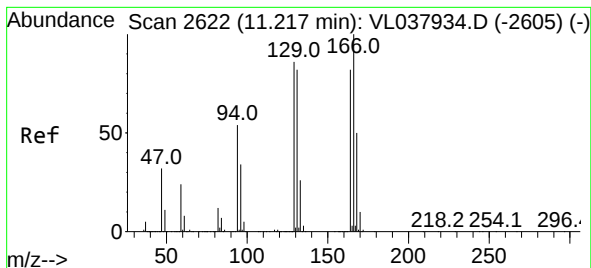
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#44
2,2,4-Trimethylpentane
Concen: 0.203 ppbv
RT: 7.867 min Scan# 1580
Delta R.T. 0.003 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

Tgt Ion: 57 Resp: 102901
Ion Ratio Lower Upper
57 100
41 48.8 25.8 38.8#
56 46.8 25.9 38.9#





#52

Tetrachloroethene

Concen: 0.049 ppbv

RT: 11.221 min Scan# 2623

Delta R.T. 0.003 min

Lab File: VL037986.D

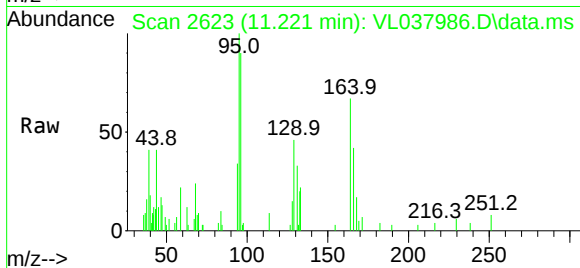
Acq: 9 Nov 2021 19:28

Instrument :

MSVOA_L

ClientSampleId :

COU03



Tgt Ion:164 Resp: 5560

Ion Ratio Lower Upper

164 100

166 62.3 97.6 146.4

129 68.9 84.2 126.2

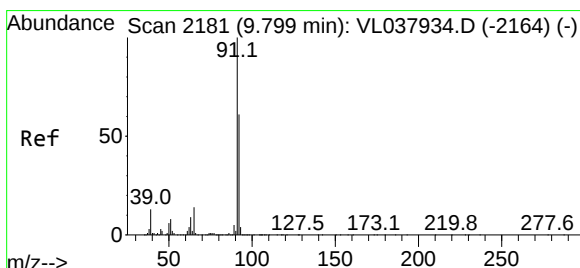
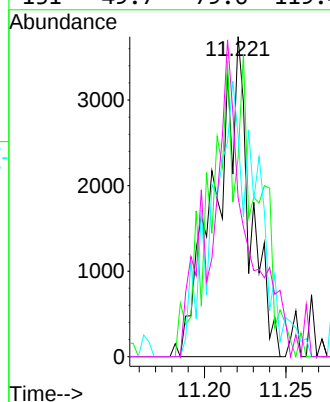
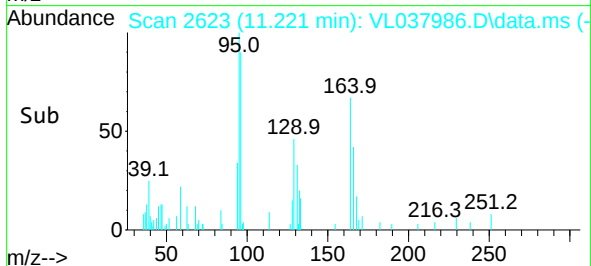
131 49.7 79.6 119.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#53

Toluene

Concen: 1.744 ppbv

RT: 9.799 min Scan# 2181

Delta R.T. 0.000 min

Lab File: VL037986.D

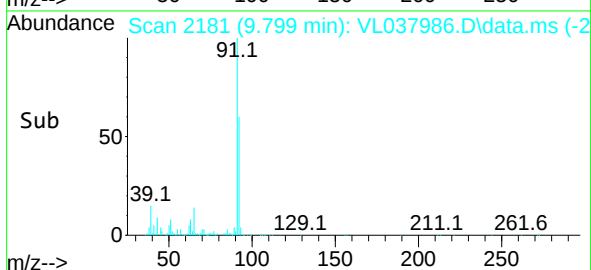
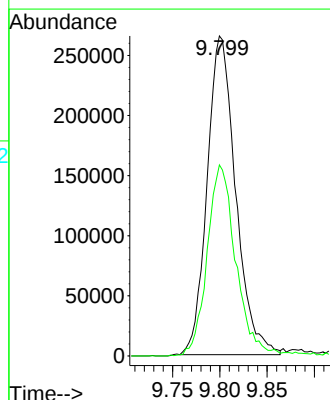
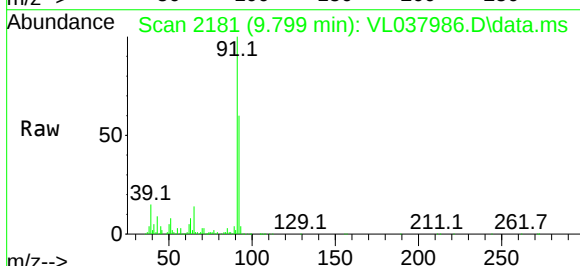
Acq: 9 Nov 2021 19:28

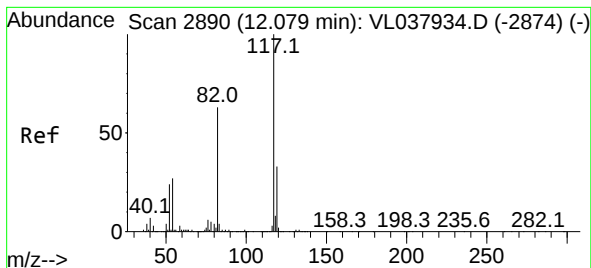
Tgt Ion: 91 Resp: 555947

Ion Ratio Lower Upper

91 100

92 61.4 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: VL037986.D

Acq: 9 Nov 2021 19:28

Instrument :

MSVOA_L

ClientSampleId :

COU03

Tgt Ion:117 Resp: 312046

Ion Ratio Lower Upper

117 100

82 65.5 51.0 76.6

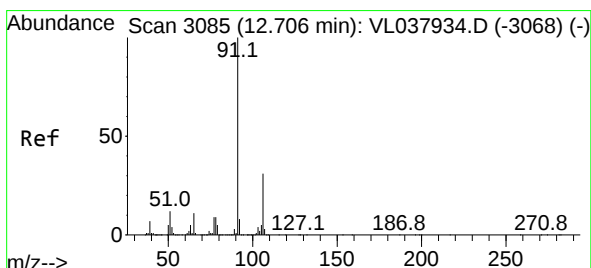
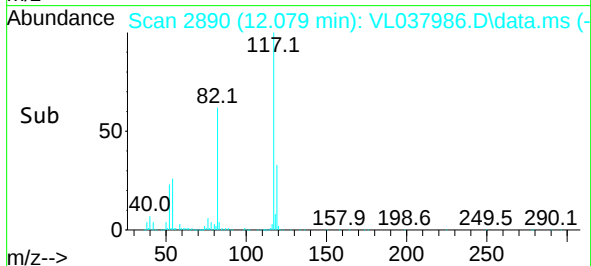
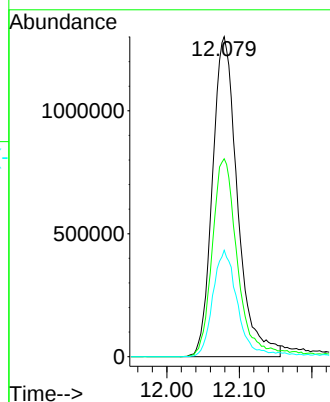
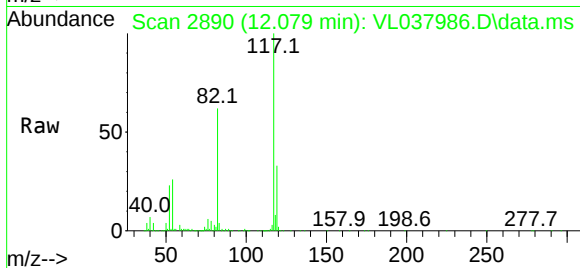
119 33.3 26.9 40.3

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#58

Ethyl Benzene

Concen: 0.204 ppbv

RT: 12.703 min Scan# 3084

Delta R.T. -0.003 min

Lab File: VL037986.D

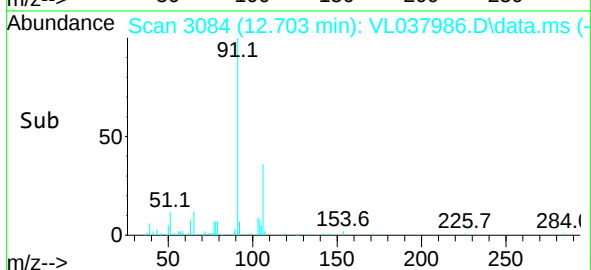
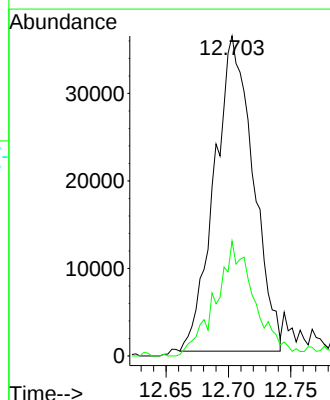
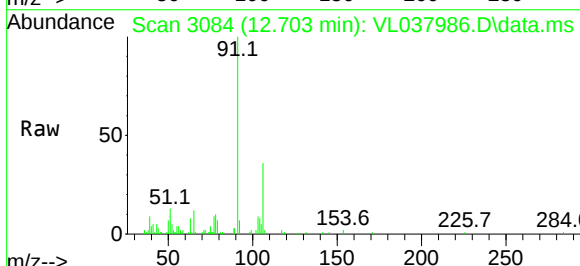
Acq: 9 Nov 2021 19:28

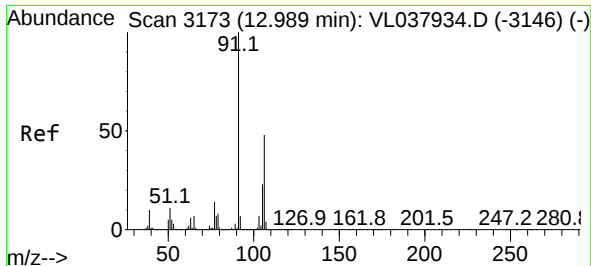
Tgt Ion: 91 Resp: 77993

Ion Ratio Lower Upper

91 100

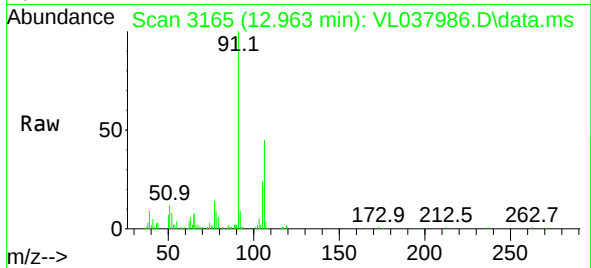
106 36.0 25.1 37.7





#59
m/p-Xylene
Concen: 0.597 ppbv m
RT: 12.963 min Scan# 3173
Delta R.T. -0.026 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

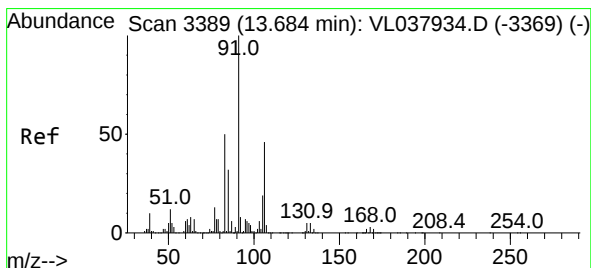
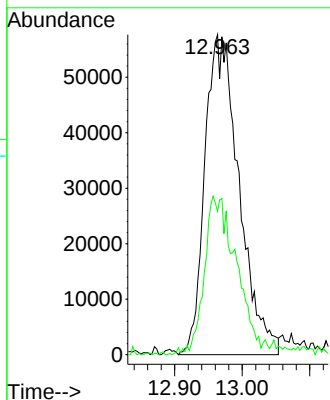
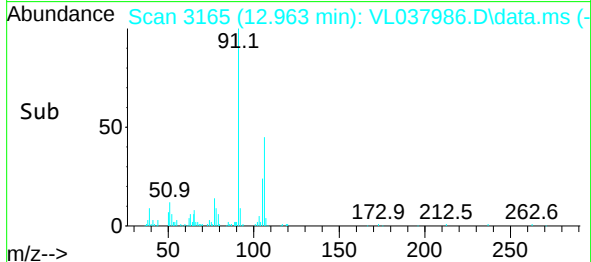
Instrument :
MSVOA_L
ClientSampleId :
COU03



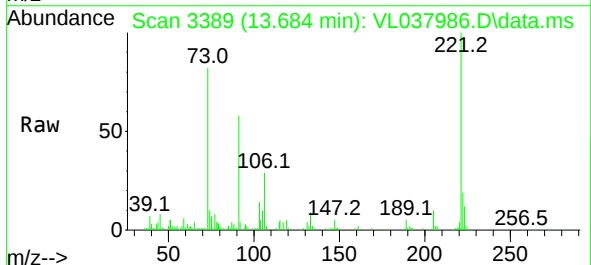
Tgt Ion: 91 Resp: 202590
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

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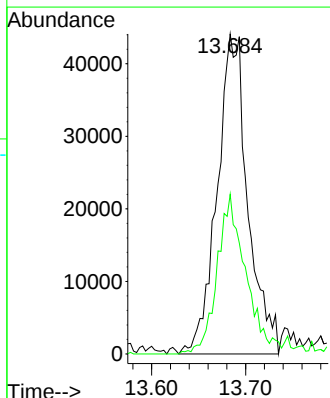
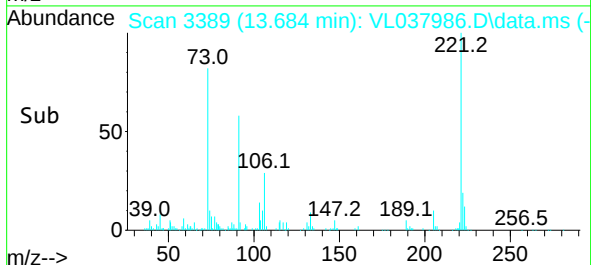
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

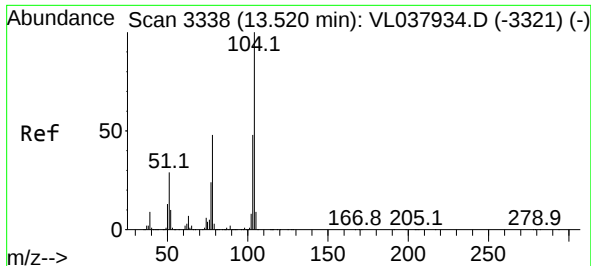


#60
o-Xylene
Concen: 0.313 ppbv m
RT: 13.684 min Scan# 3389
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



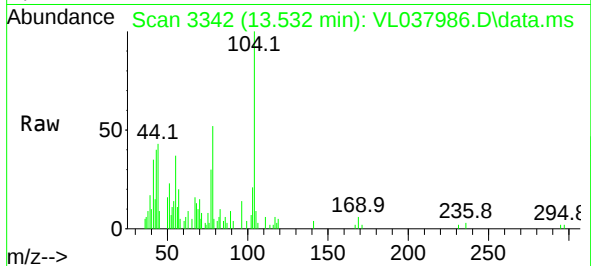
Tgt Ion: 91 Resp: 100011
Ion Ratio Lower Upper
91 100
106 49.0 23.5 70.6





#61
Styrene
Concen: 0.167 ppbv m
RT: 13.532 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28

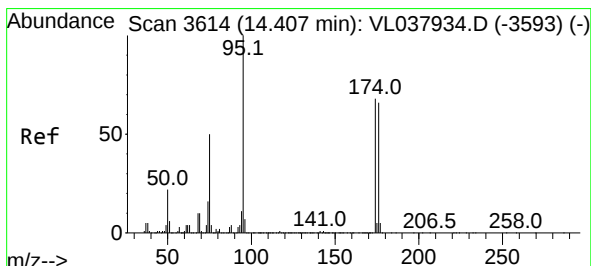
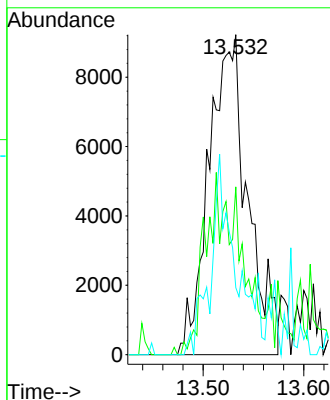
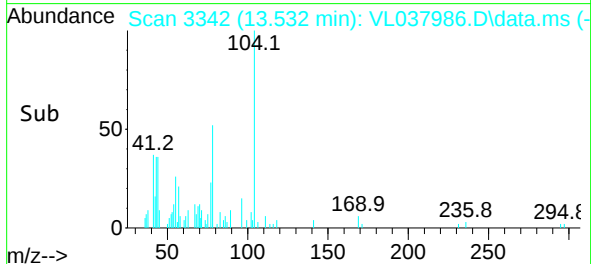
Instrument :
MSVOA_L
ClientSampleId :
COU03



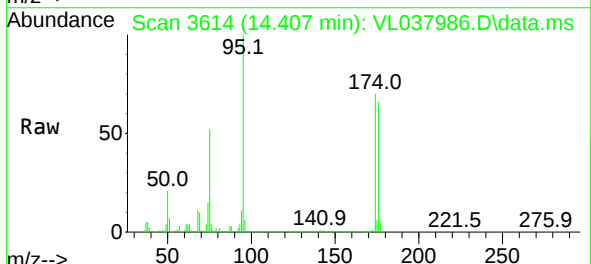
Tgt Ion:104 Resp: 2459
Ion Ratio Lower Upper
104 100
78 53.8 39.3 58.9
103 40.9 39.6 59.4

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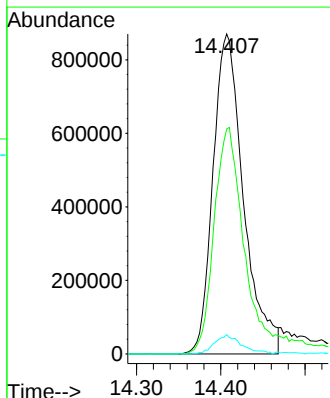
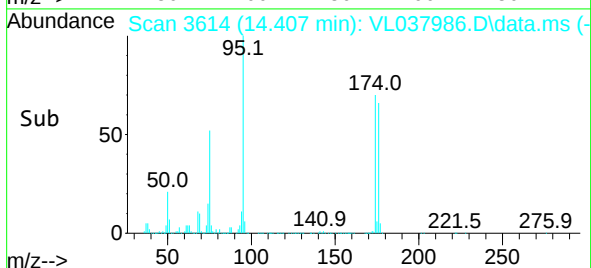
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

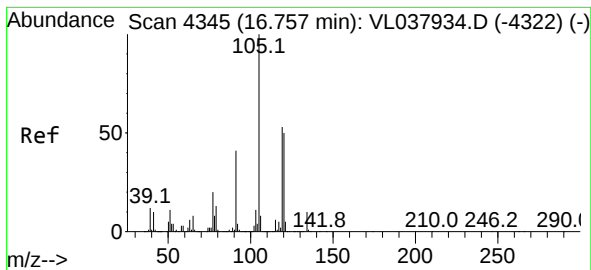


#68
1-Bromo-4-Fluorobenzene
Concen: 9.626 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. 0.000 min
Lab File: VL037986.D
Acq: 9 Nov 2021 19:28



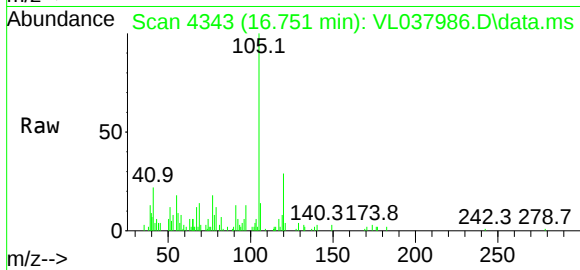
Tgt Ion: 95 Resp: 2183510
Ion Ratio Lower Upper
95 100
174 76.0 58.3 87.5
175 5.8 4.6 6.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.111 ppbv m
 RT: 16.751 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL037986.D
 Acq: 9 Nov 2021 19:28

Instrument :
 MSVOA_L
 ClientSampleId :
 COU03



Tgt Ion:	105	Resp:	39800
Ion	Ratio	Lower	Upper
105	100		
120	28.9	40.0	60.0
91	12.7	32.6	49.0
77	17.7	15.8	23.8

Manual Integrations
 APPROVED

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

