

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037984.D
 Acq On : 9 Nov 2021 18:08
 Operator : SY/AP
 Sample : M4555-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU02

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:49:10 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 09 04:49:10 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	1295255	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3700376	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3088826	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2130332	9.488	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	49828m	0.273	ppbv	
4) Chloromethane	3.144	50	36324m	0.396	ppbv	
9) Propene	3.031	41	67445m	0.780	ppbv	
10) Heptane	8.124	43	33689m	0.167	ppbv	
11) Trichlorofluoromethane	3.957	101	38101m	0.210	ppbv	
13) Ethanol	3.603	45	1019878m	116.937	ppbv	
15) Acetone	3.854	43	672694	6.285	ppbv	99
19) Isopropyl Alcohol	3.976	45	96383m	1.408	ppbv	
20) Methylene Chloride	4.346	84	68012	1.157	ppbv	86
26) Hexane	5.687	57	77594m	0.515	ppbv	
29) Chloroform	5.751	83	135655m	0.604	ppbv	
34) 2-Butanone	5.250	43	53646m	0.391	ppbv	
35) Carbon Tetrachloride	7.021	117	13697m	0.061	ppbv	
36) Benzene	6.886	78	45315	0.150	ppbv #	84
52) Tetrachloroethene	11.214	164	6190m	0.054	ppbv	
53) Toluene	9.802	91	314505	0.974	ppbv	99
58) Ethyl Benzene	12.709	91	43780m	0.116	ppbv	
59) m/p-Xylene	12.960	91	116816m	0.348	ppbv	
60) o-Xylene	13.687	91	57272m	0.181	ppbv	

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

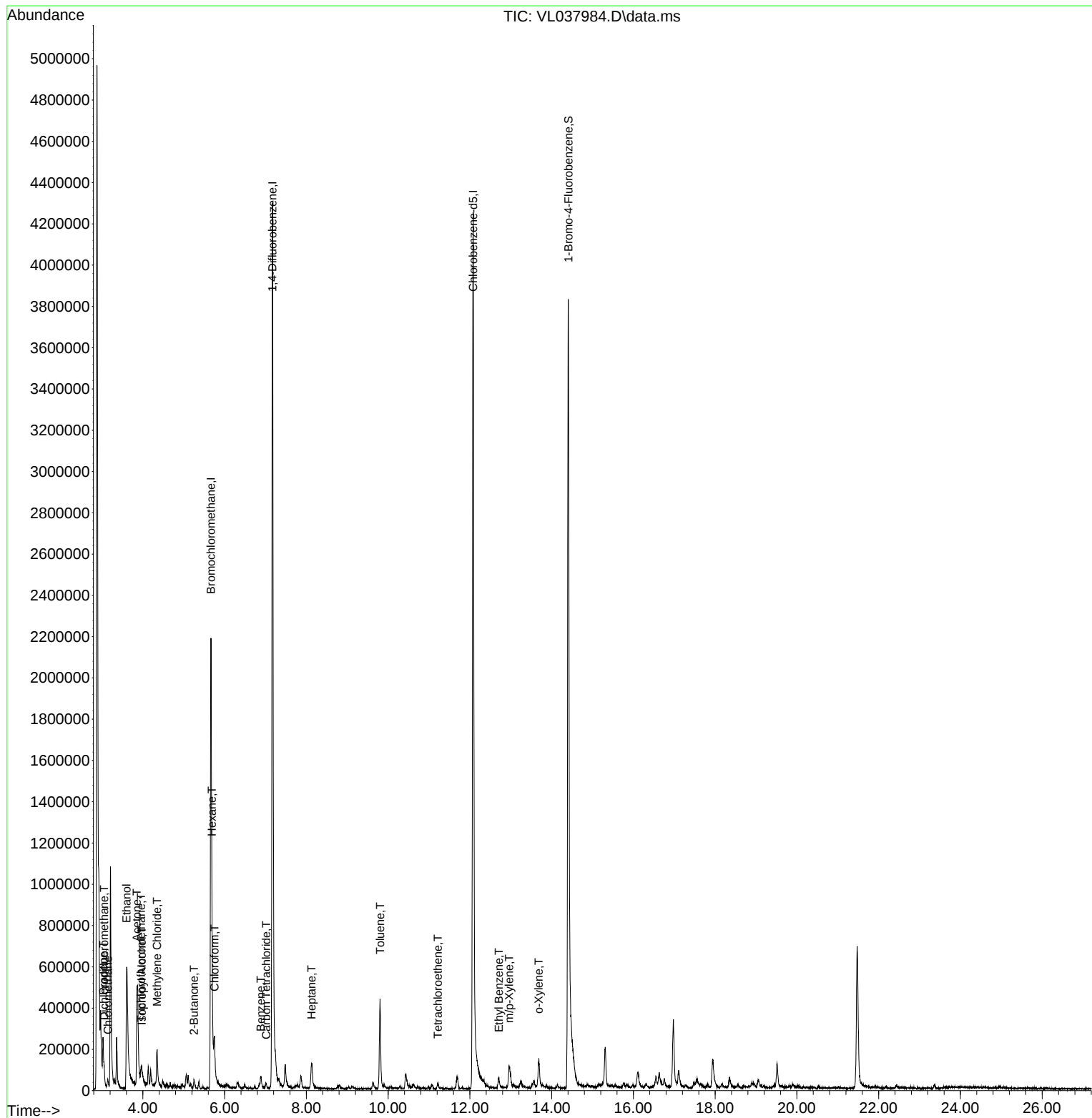
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037984.D
Acq On : 9 Nov 2021 18:08
Operator : SY/AP
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Misc : 400mL/MSVOA_L
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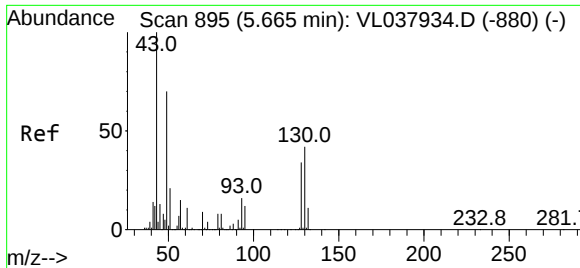
Instrument :
MSVOA_L
ClientSampleId :
C0U02

Quant Time: Nov 10 04:49:10 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

Manual Integrations
APPROVED

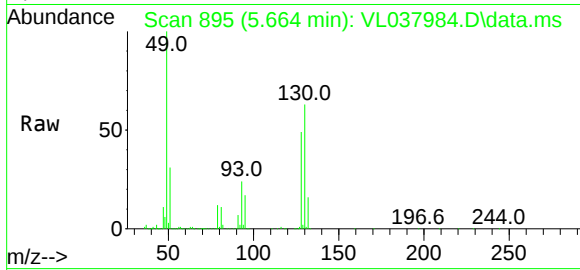
Reviewed By : Semsettin Yesilyurt 11/15/2021
Supervised By : Mahesh Dadoda 11/17/2021





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.664 min Scan# 895
 Delta R.T. -0.000 min
 Lab File: VL037984.D
 Acq: 9 Nov 2021 18:08

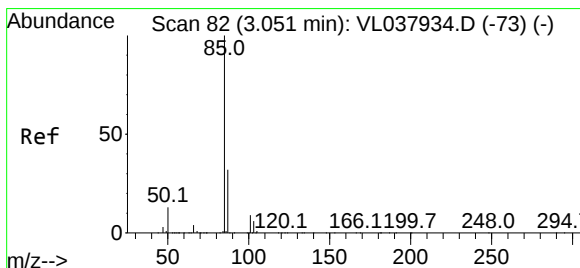
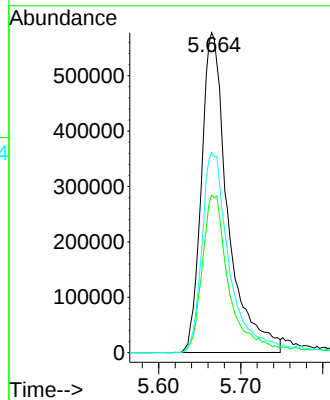
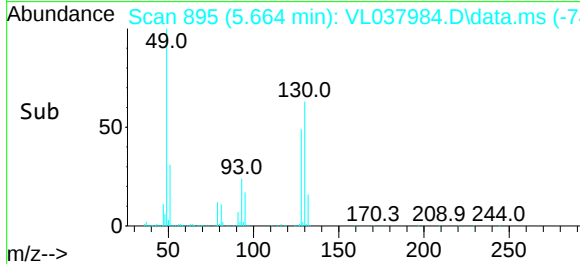
Instrument :
 MSVOA_L
 ClientSampleId :
 COU02



Tgt Ion: 49 Resp: 129525
 Ion Ratio Lower Upper
 49 100
 128 52.1 27.0 81.0
 130 67.3 33.4 100.2

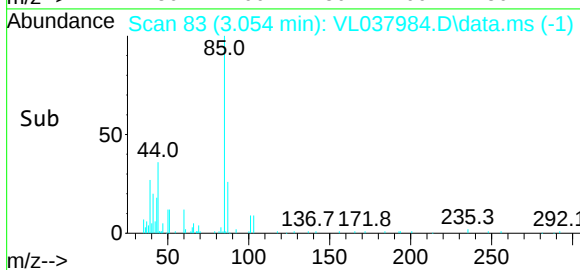
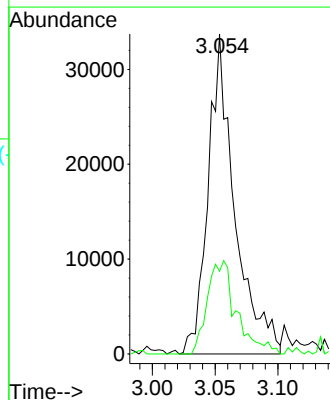
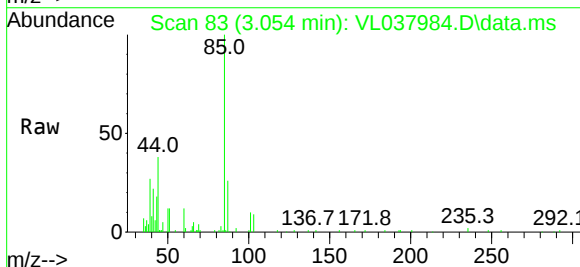
Manual Integrations
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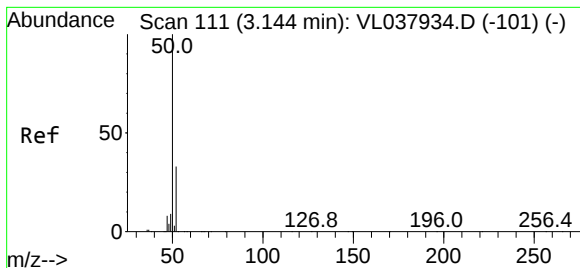
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#2
 Dichlorodifluoromethane
 Concen: 0.273 ppbv m
 RT: 3.054 min Scan# 83
 Delta R.T. 0.003 min
 Lab File: VL037984.D
 Acq: 9 Nov 2021 18:08

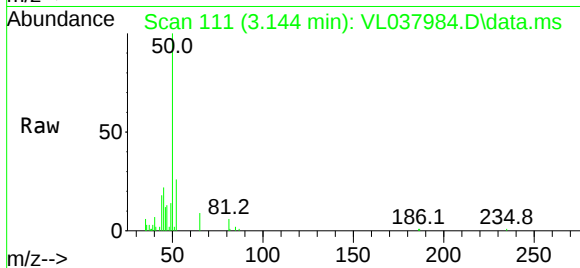
Tgt Ion: 85 Resp: 49828
 Ion Ratio Lower Upper
 85 100
 87 25.9 25.3 37.9





#4
Chloromethane
Concen: 0.396 ppbv m
RT: 3.144 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

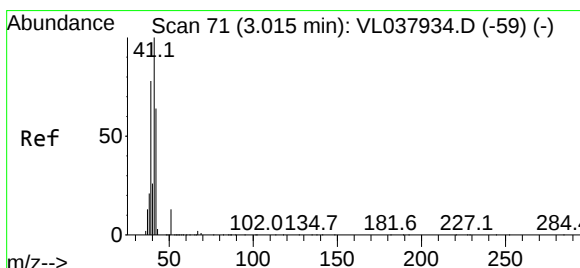
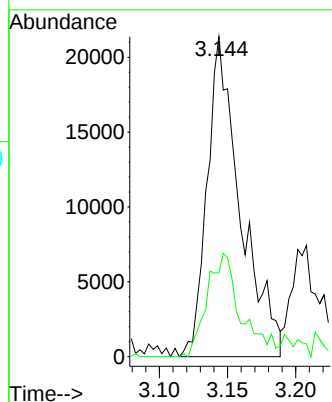
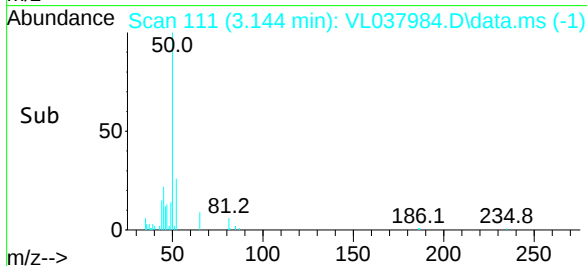
Instrument :
MSVOA_L
ClientSampleId :
COU02



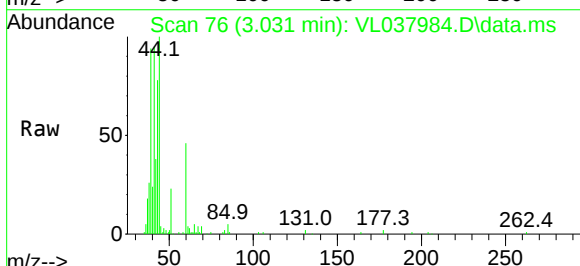
Tgt Ion: 50 Resp: 36324
Ion Ratio Lower Upper
50 100
52 26.2 26.3 39.5

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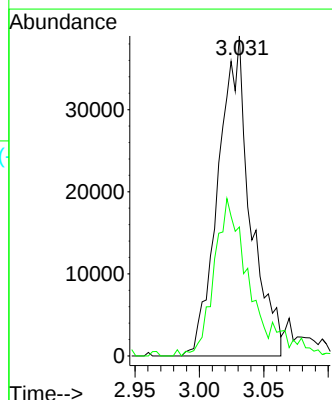
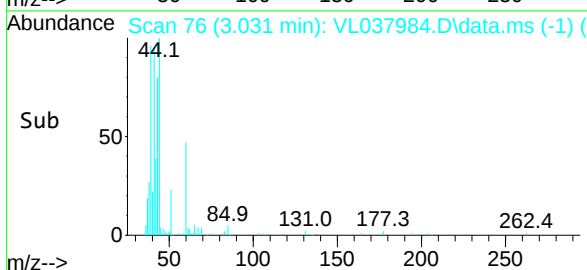
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

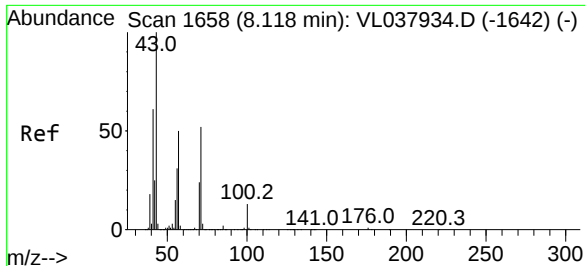


#9
Propene
Concen: 0.780 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.016 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



Tgt Ion: 41 Resp: 67445
Ion Ratio Lower Upper
41 100
42 402.7 57.6 86.4





#10

Heptane

Concen: 0.167 ppbv m

RT: 8.124 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL037984.D

Acq: 9 Nov 2021 18:08

Instrument :

MSVOA_L

ClientSampleId :

COU02

Tgt Ion: 43 Resp: 3368

Ion Ratio Lower Upper

43 100

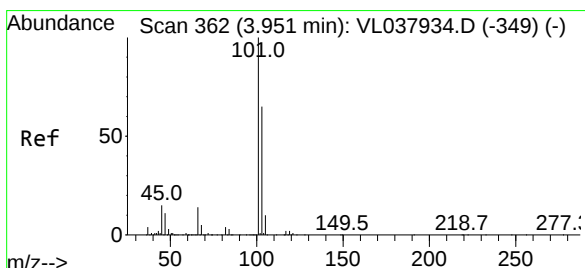
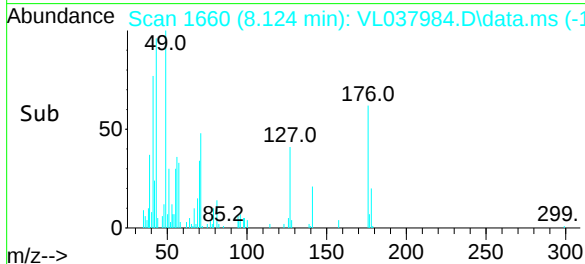
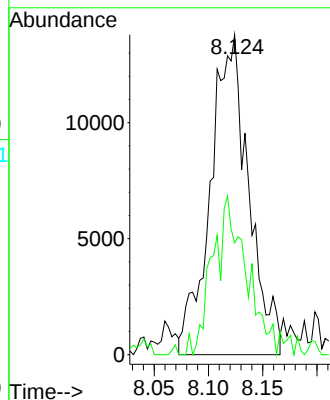
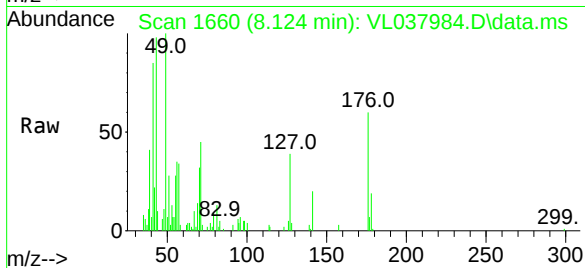
57 48.3 39.8 59.8

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.210 ppbv m

RT: 3.957 min Scan# 364

Delta R.T. 0.006 min

Lab File: VL037984.D

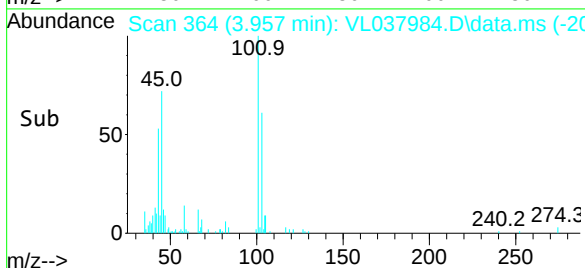
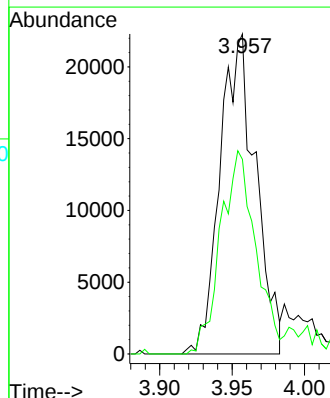
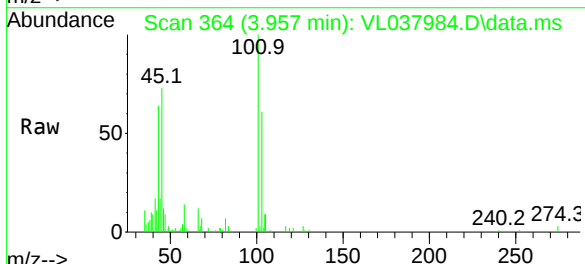
Acq: 9 Nov 2021 18:08

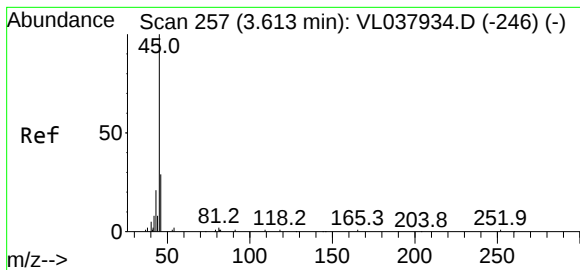
Tgt Ion:101 Resp: 38101

Ion Ratio Lower Upper

101 100

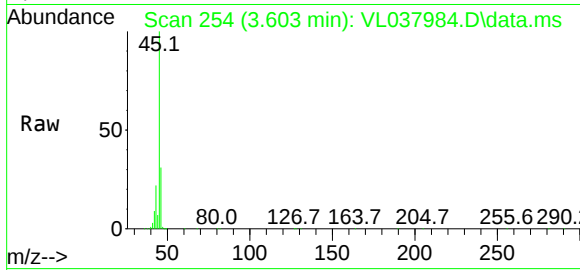
103 60.8 52.0 78.0





#13
Ethanol
Concen: 116.937 ppbv m
RT: 3.603 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

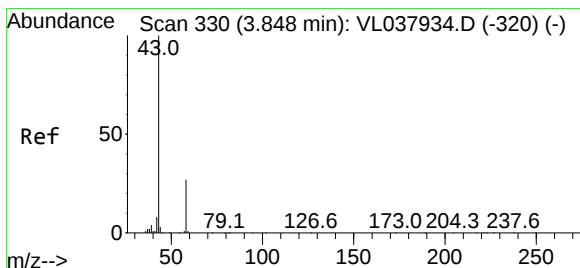
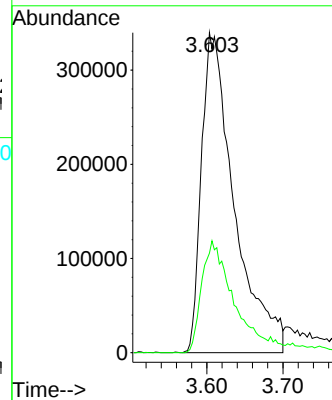
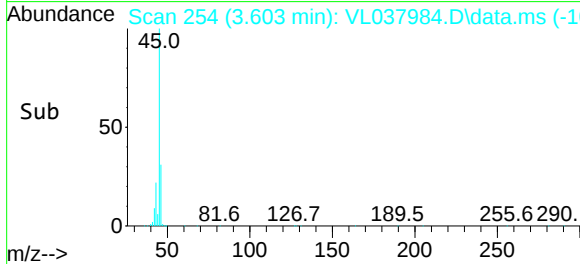
Instrument :
MSVOA_L
ClientSampleId :
C0U02



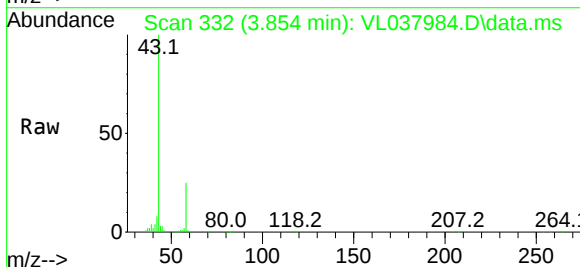
Tgt Ion: 45 Resp: 1019878
Ion Ratio Lower Upper
45 100
46 37.5 17.4 69.8

Manual Integrations
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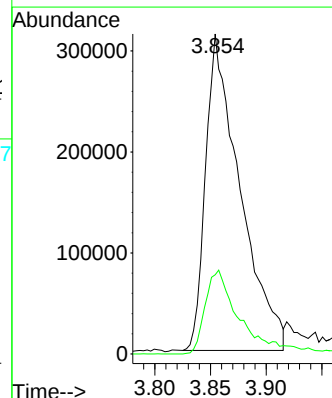
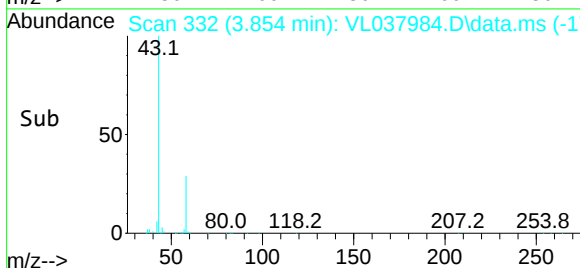
Reviewed By :Semsettin Yesilyurt 11/15/2021
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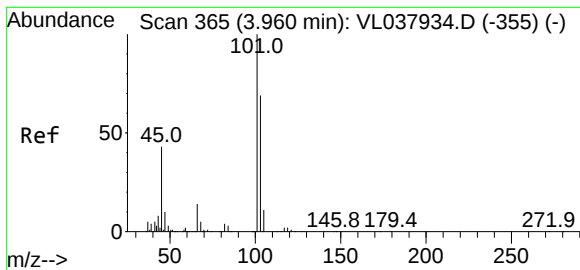


#15
Acetone
Concen: 6.285 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.006 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



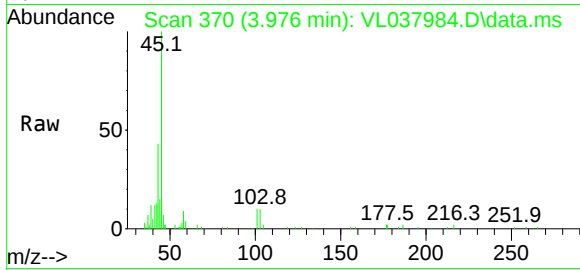
Tgt Ion: 43 Resp: 672694
Ion Ratio Lower Upper
43 100
58 28.5 23.3 34.9





#19
Isopropyl Alcohol
Concen: 1.408 ppbv m
RT: 3.976 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

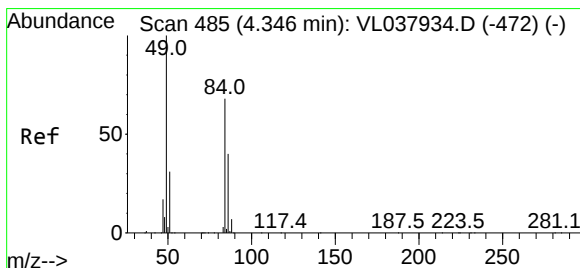
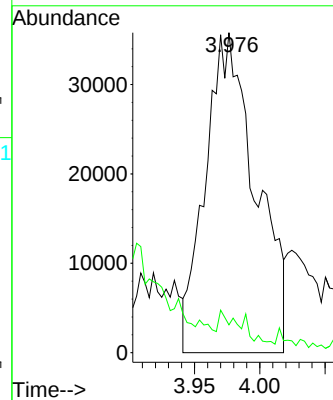
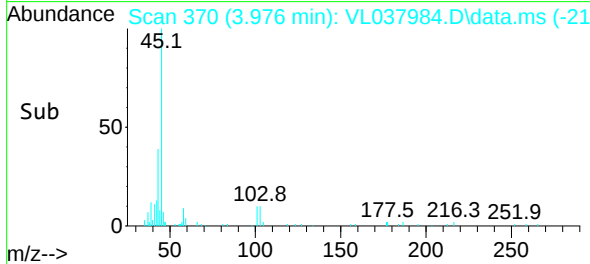
Instrument :
MSVOA_L
ClientSampleId :
COU02



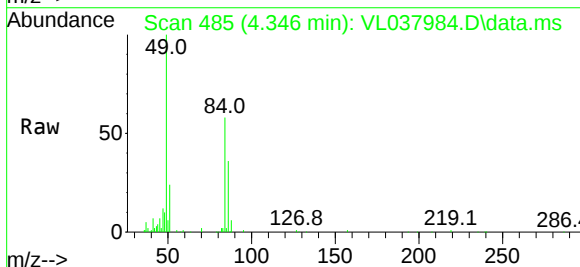
Tgt Ion: 45 Resp: 9638
Ion Ratio Lower Upper
45 100
58 0.0 4.0 6.0

Manual Integrations
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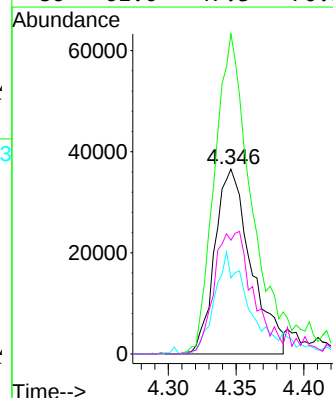
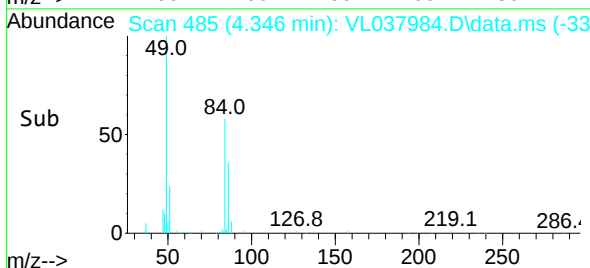
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Supervised By :Mahesh Dadoda 11/17/2021

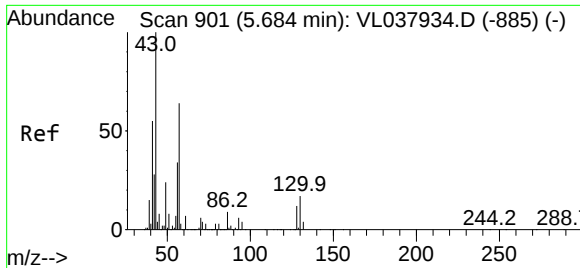


#20
Methylene Chloride
Concen: 1.157 ppbv
RT: 4.346 min Scan# 485
Delta R.T. -0.000 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



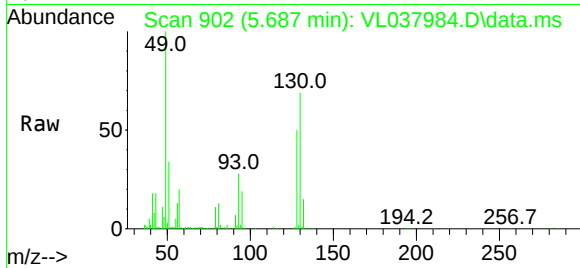
Tgt Ion: 84 Resp: 68012
Ion Ratio Lower Upper
84 100
49 172.5 117.5 176.3
51 41.2 35.9 53.9
86 61.0 47.3 70.9





#26
Hexane
Concen: 0.515 ppbv m
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

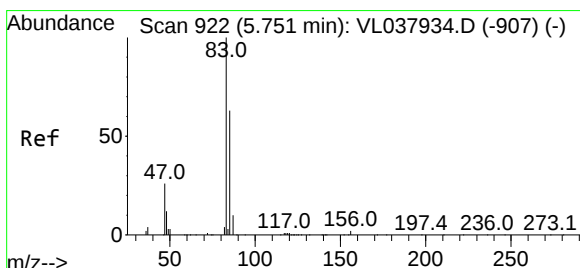
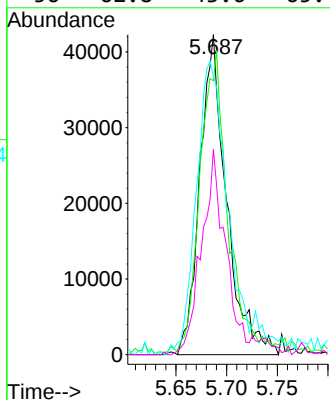
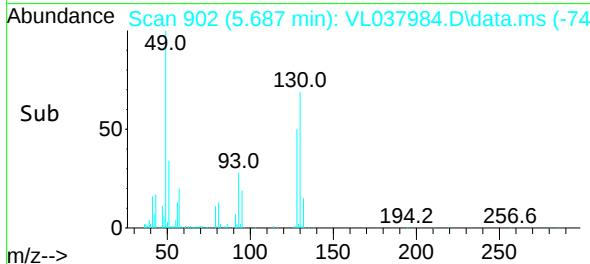
Instrument :
MSVOA_L
ClientSampleId :
COU02



Tgt Ion: 57 Resp: 77594
Ion Ratio Lower Upper
57 100
41 101.0 71.0 106.6
43 110.5 173.0 259.6
56 62.8 43.6 65.4

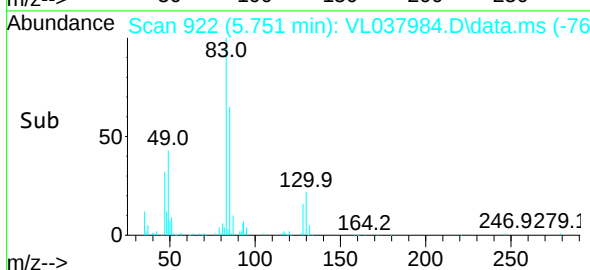
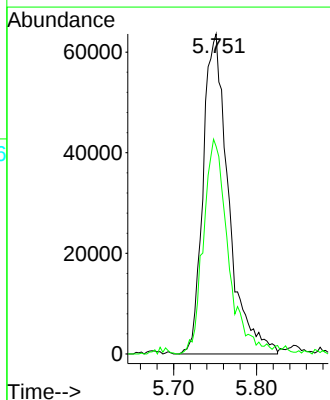
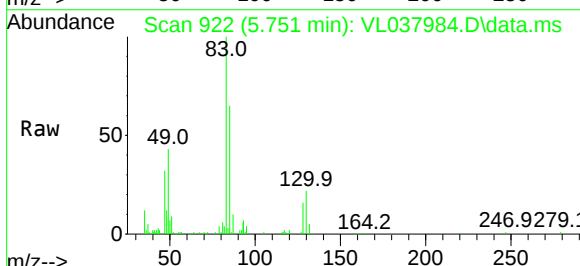
Manual Integrations
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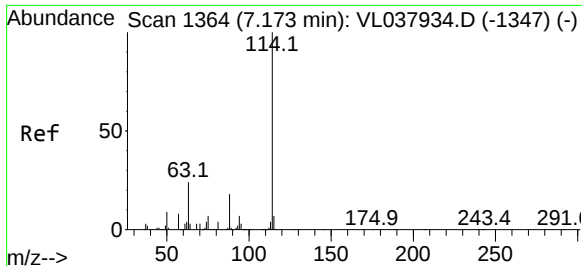
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#29
Chloroform
Concen: 0.604 ppbv m
RT: 5.751 min Scan# 922
Delta R.T. -0.000 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

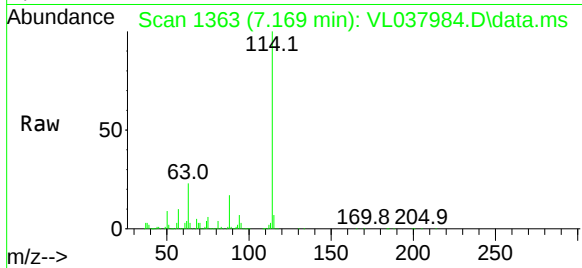
Tgt Ion: 83 Resp: 135655
Ion Ratio Lower Upper
83 100
85 64.9 50.6 76.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1114
Delta R.T. -0.003 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

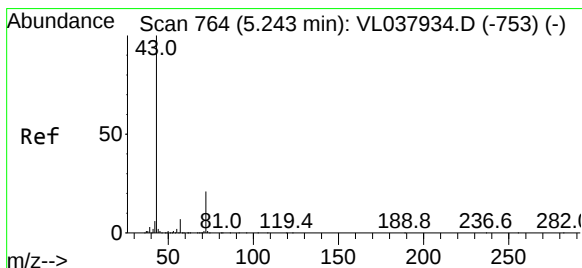
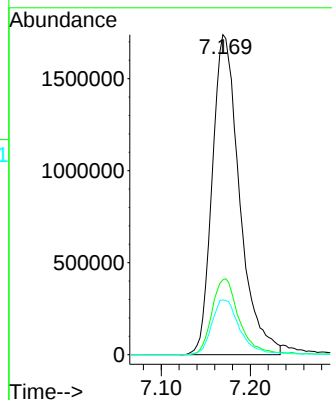
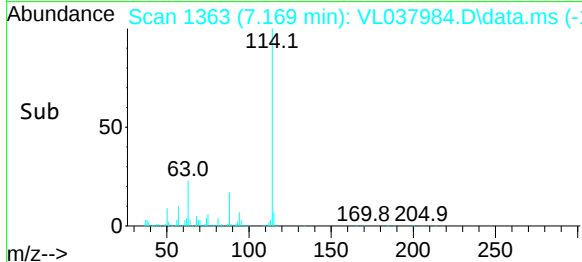
Instrument :
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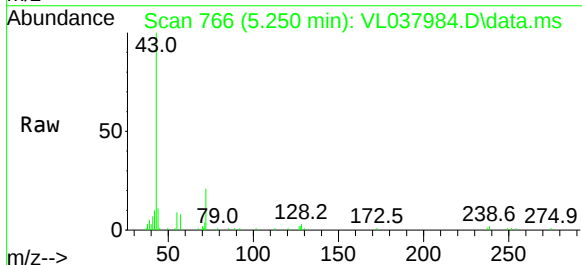
Tgt Ion:114 Resp: 3700370
Ion Ratio Lower Upper
114 100
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88 17.9 14.2 21.4

Manual Integrations
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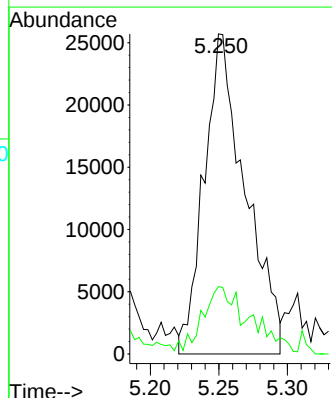
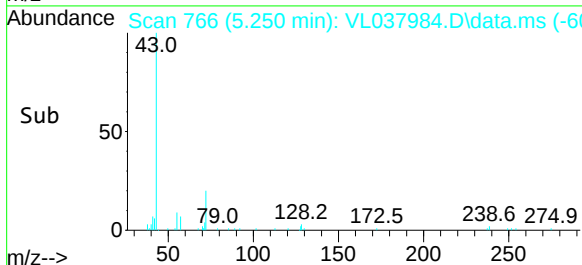
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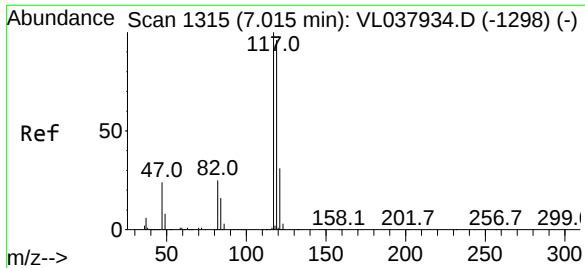


#34
2-Butanone
Concen: 0.391 ppbv m
RT: 5.250 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



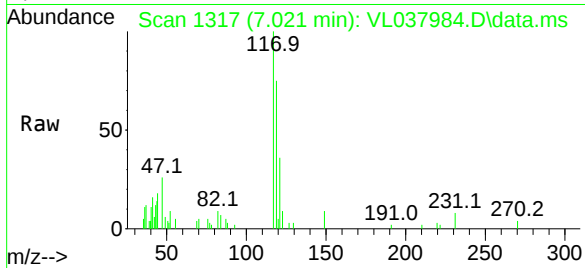
Tgt Ion: 43 Resp: 53646
Ion Ratio Lower Upper
43 100
72 25.1 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.021 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

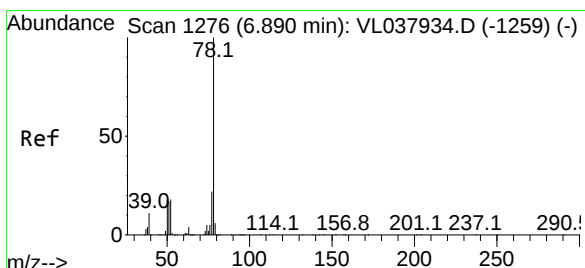
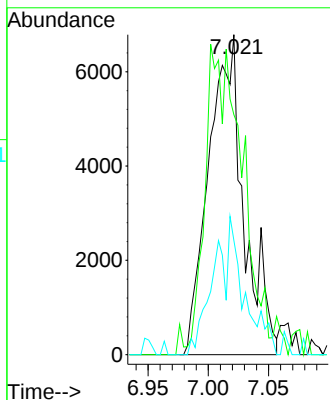
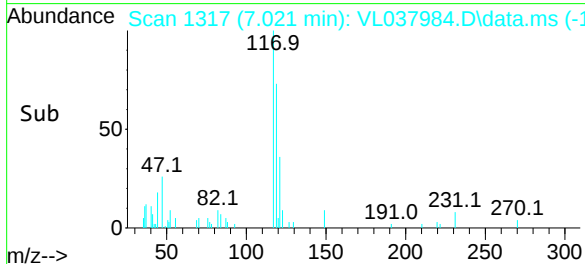
Instrument :
MSVOA_L
ClientSampleId :
COU02



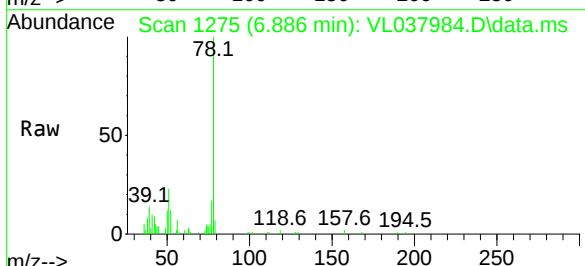
Tgt Ion: 117 Resp: 1369
Ion Ratio Lower Upper
117 100
119 75.0 76.6 114.8
121 35.7 25.1 37.7

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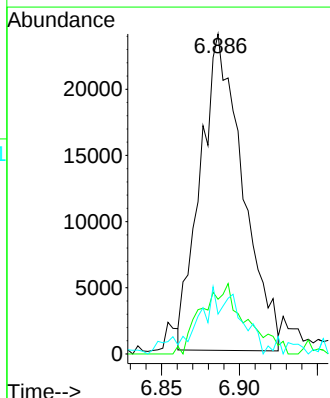
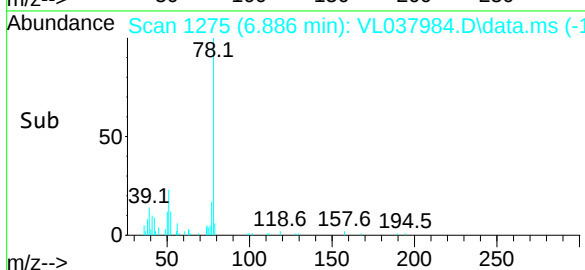
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

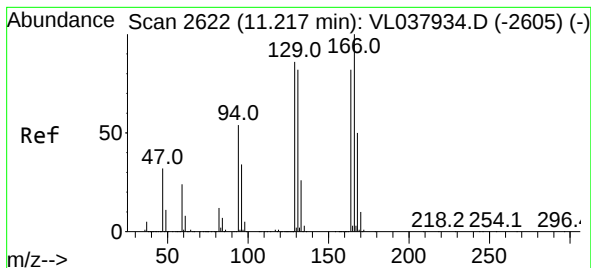


#36
Benzene
Concen: 0.150 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. -0.003 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



Tgt Ion: 78 Resp: 45315
Ion Ratio Lower Upper
78 100
77 15.7 17.9 26.9#
50 10.3 14.4 21.6#





#52

Tetrachloroethene

Concen: 0.054 ppbv m

RT: 11.214 min Scan# 2621

Delta R.T. -0.003 min

Lab File: VL037984.D

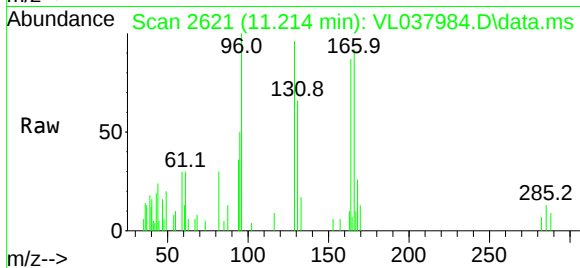
Acq: 9 Nov 2021 18:08

Instrument :

MSVOA_L

ClientSampleId :

COU02

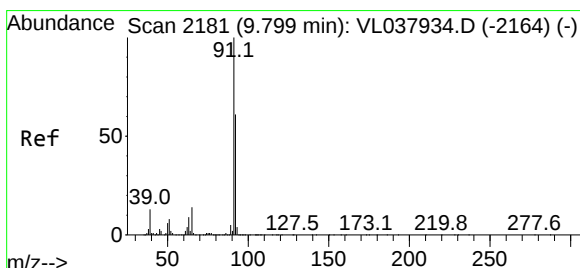
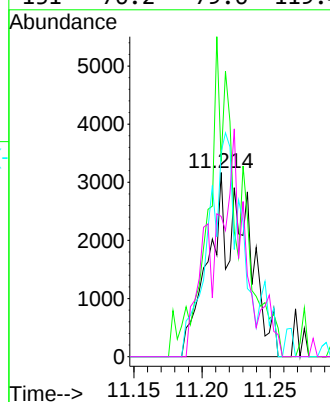
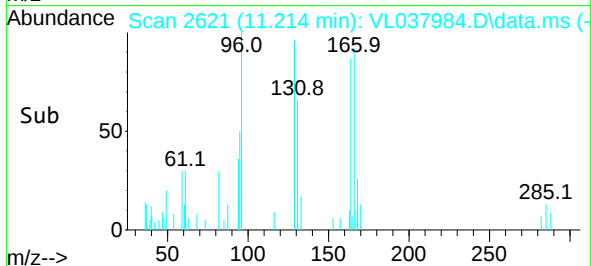


Tgt Ion:	164	Resp:	6190
Ion	Ratio	Lower	Upper
164	100		
166	106.0	97.6	146.4
129	111.0	84.2	126.2
131	76.2	79.6	119.4

Manual Integrations

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



#53

Toluene

Concen: 0.974 ppbv

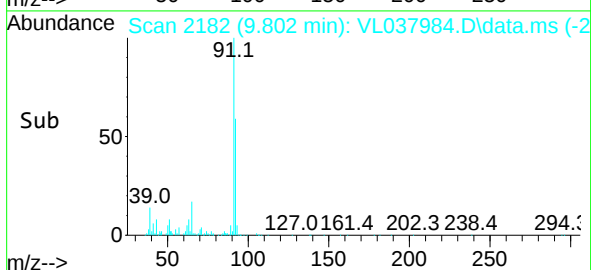
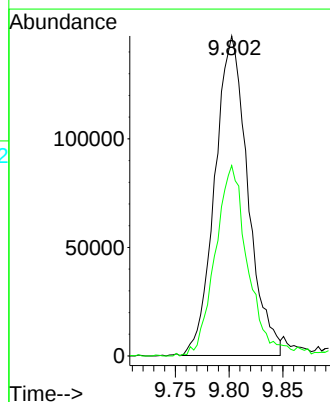
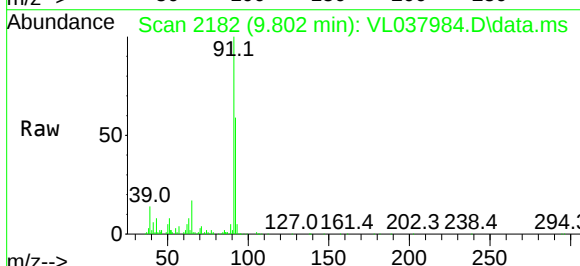
RT: 9.802 min Scan# 2182

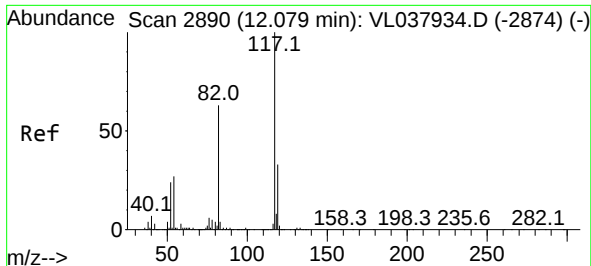
Delta R.T. 0.003 min

Lab File: VL037984.D

Acq: 9 Nov 2021 18:08

Tgt Ion:	91	Resp:	314505
Ion	Ratio	Lower	Upper
91	100		
92	60.9	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: VL037984.D

Acq: 9 Nov 2021 18:08

Instrument :

MSVOA_L

ClientSampleId :

COU02

Tgt Ion:117 Resp: 3088820

Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

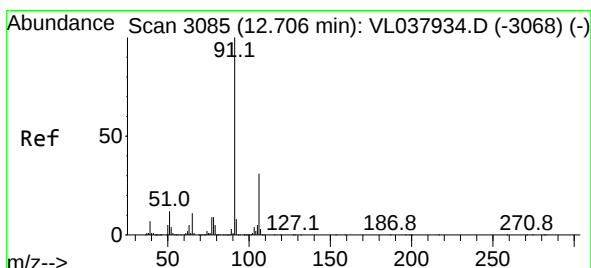
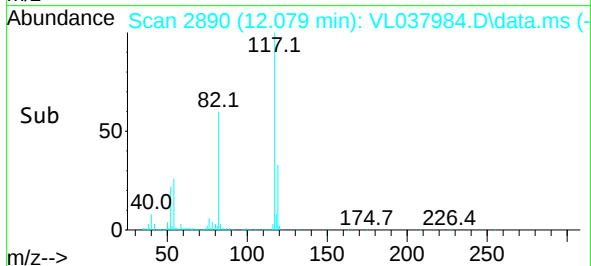
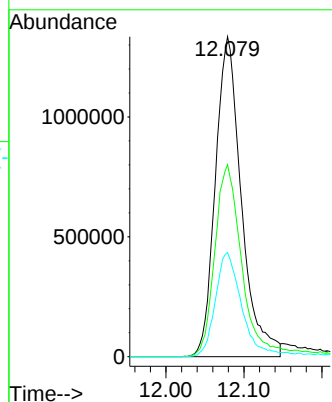
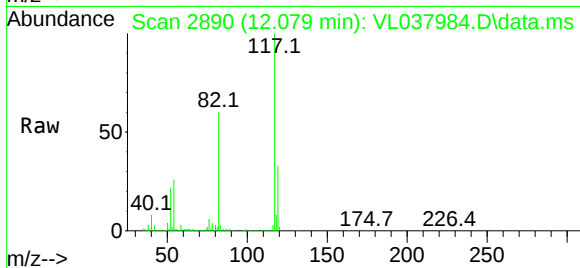
119 34.0 26.9 40.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#58

Ethyl Benzene

Concen: 0.116 ppbv m

RT: 12.709 min Scan# 3086

Delta R.T. 0.003 min

Lab File: VL037984.D

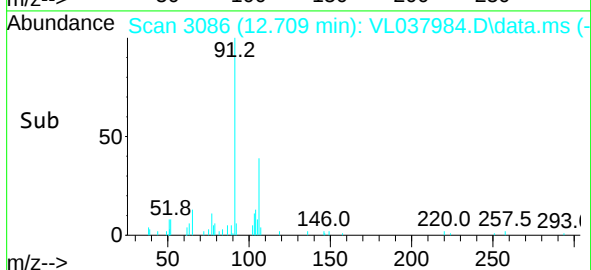
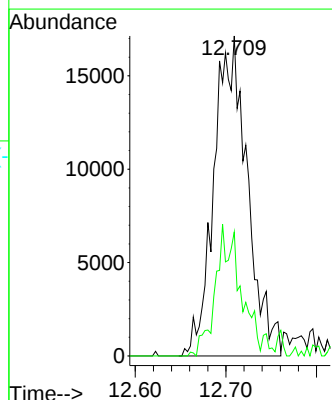
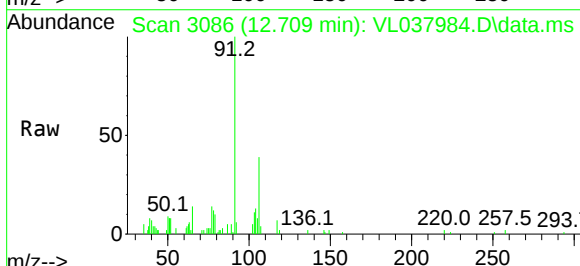
Acq: 9 Nov 2021 18:08

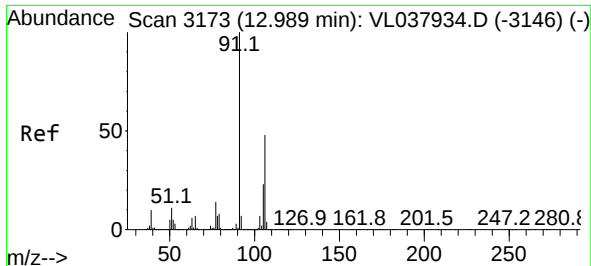
Tgt Ion: 91 Resp: 43780

Ion Ratio Lower Upper

91 100

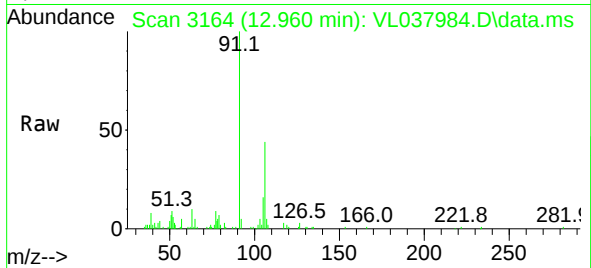
106 38.8 25.1 37.7#





#59
m/p-Xylene
Concen: 0.348 ppbv m
RT: 12.960 min Scan# 3173
Delta R.T. -0.029 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08

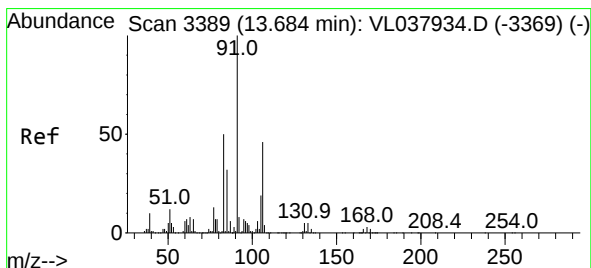
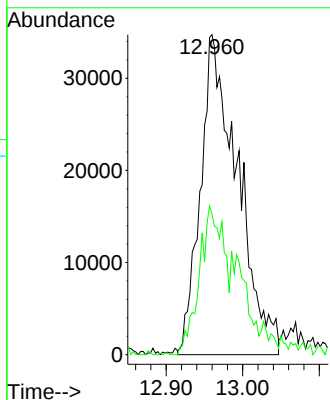
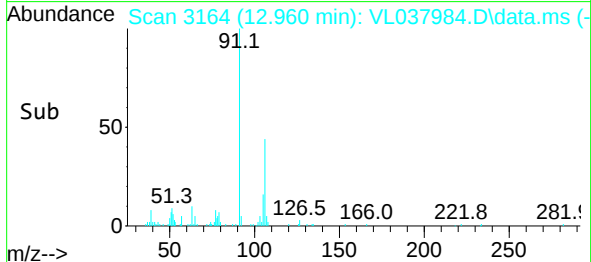
Instrument :
MSVOA_L
ClientSampleId :
COU02



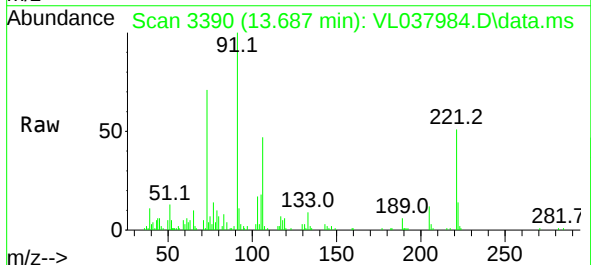
Tgt Ion: 91 Resp: 116810
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

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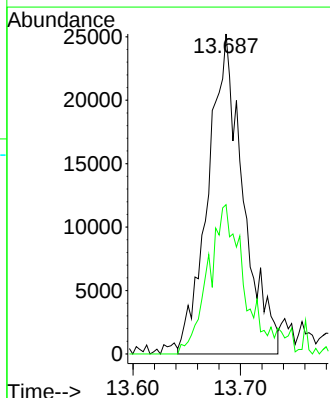
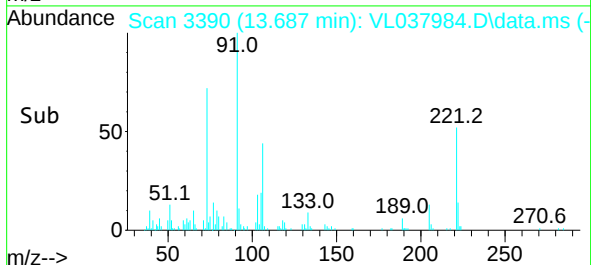
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

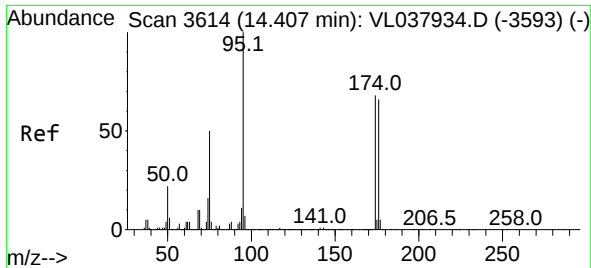


#60
o-Xylene
Concen: 0.181 ppbv m
RT: 13.687 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VL037984.D
Acq: 9 Nov 2021 18:08



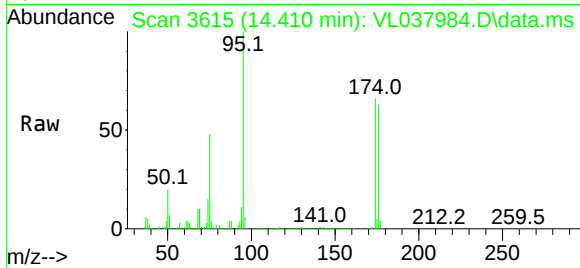
Tgt Ion: 91 Resp: 57272
Ion Ratio Lower Upper
91 100
106 49.9 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.488 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL037984.D
 Acq: 9 Nov 2021 18:08

Instrument :
 MSVOA_L
 ClientSampleId :
 COU02



Tgt Ion: 95 Resp: 213033
 Ion Ratio Lower Upper
 95 100
 174 78.5 58.3 87.5
 175 5.7 4.6 6.8

Manual Integrations
 APPROVED

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

