

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037981.D
 Acq On : 9 Nov 2021 16:08
 Operator : SY/AP
 Sample : M4555-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU01

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 05:19:44 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 05:19:44 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	1276148	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3622751	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3116850	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2241436	9.893	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.057	85	41857m	0.233	ppbv	
4) Chloromethane	3.144	50	185724	2.057	ppbv	96
9) Propene	3.025	41	132536m	1.556	ppbv	
10) Heptane	8.124	43	58509	0.295	ppbv	98
11) Trichlorofluoromethane	3.957	101	40279m	0.225	ppbv	
13) Ethanol	3.603	45	6698646	779.552	ppbv	89
15) Acetone	3.851	43	1776529	16.847	ppbv	96
19) Isopropyl Alcohol	3.970	45	362619	5.377	ppbv	99
20) Methylene Chloride	4.343	84	357808	6.181	ppbv	97
26) Hexane	5.687	57	394531	2.659	ppbv #	61
29) Chloroform	5.751	83	275450	1.245	ppbv	97
34) 2-Butanone	5.250	43	84975m	0.633	ppbv	
35) Carbon Tetrachloride	7.021	117	15215m	0.069	ppbv	
36) Benzene	6.889	78	95523m	0.324	ppbv	
37) 1,2-Dichloroethane	6.311	62	22588m	0.161	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	107759m	0.215	ppbv	
52) Tetrachloroethene	11.208	164	5904m	0.053	ppbv	
53) Toluene	9.799	91	668480	2.114	ppbv	100
58) Ethyl Benzene	12.706	91	94938m	0.249	ppbv	
59) m/p-Xylene	12.963	91	175747m	0.519	ppbv	
60) o-Xylene	13.677	91	64101	0.201	ppbv	91

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

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0U01

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

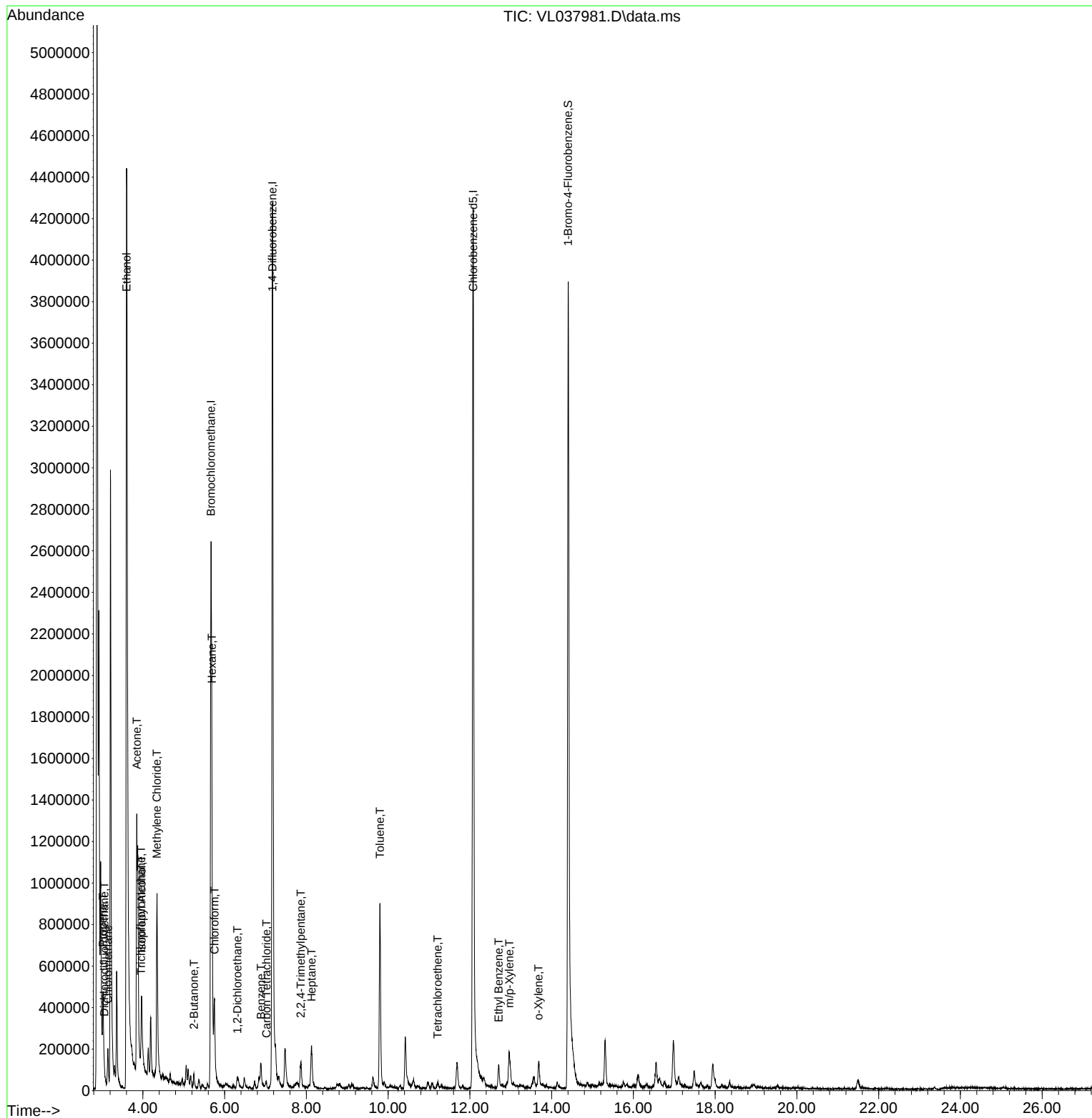
Quant Time: Nov 10 05:19:44 2021

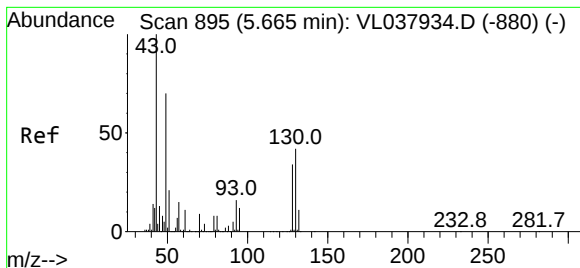
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov

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

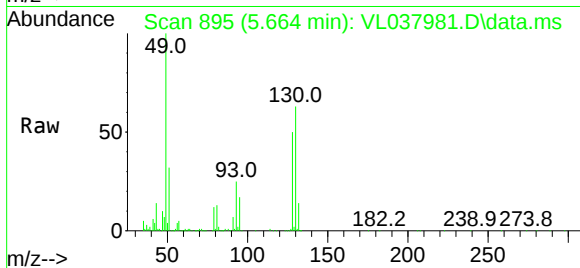
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.664 min Scan# 895
 Delta R.T. -0.000 min
 Lab File: VL037981.D
 Acq: 9 Nov 2021 16:08

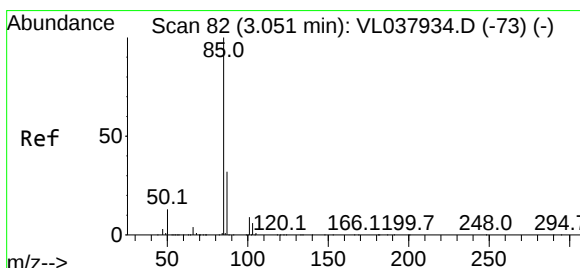
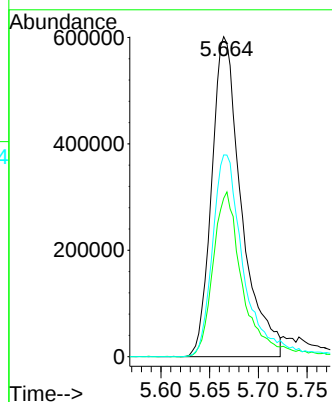
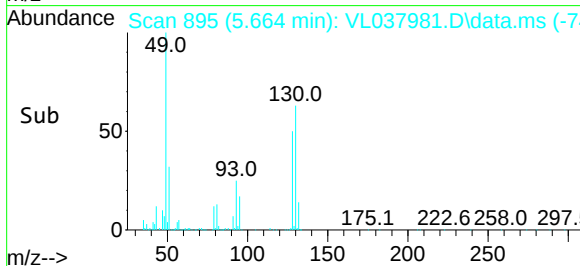
Instrument :
 MSVOA_L
 ClientSampleId :
 COU01



Tgt Ion: 49 Resp: 127614
 Ion Ratio Lower Upper
 49 100
 128 53.5 27.0 81.0
 130 68.3 33.4 100.2

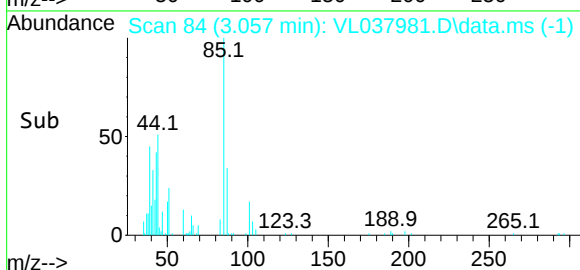
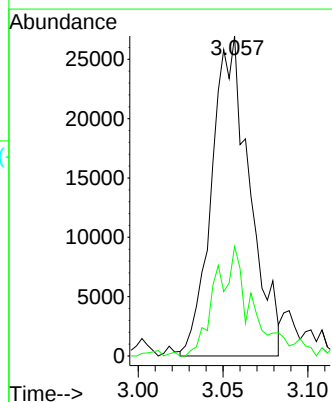
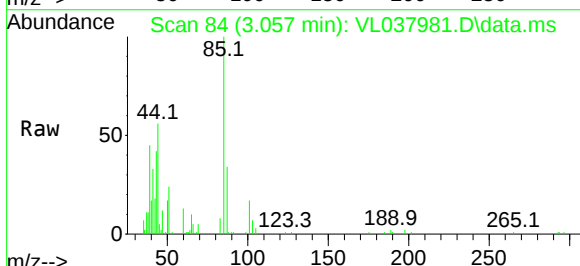
Manual Integrations
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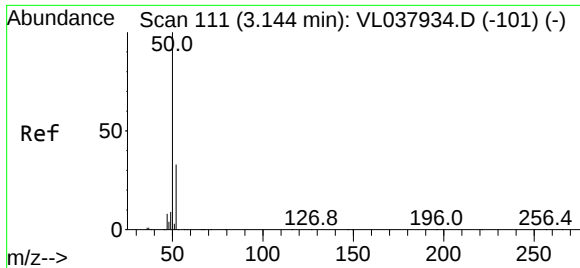
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#2
 Dichlorodifluoromethane
 Concen: 0.233 ppbv m
 RT: 3.057 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VL037981.D
 Acq: 9 Nov 2021 16:08

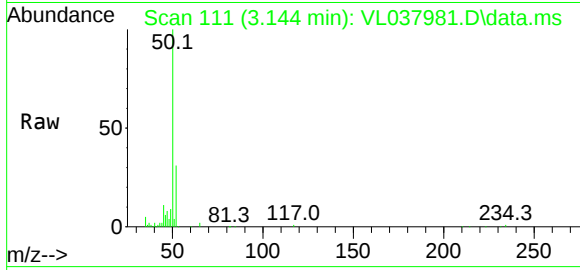
Tgt Ion: 85 Resp: 41857
 Ion Ratio Lower Upper
 85 100
 87 34.2 25.3 37.9





#4
Chloromethane
Concen: 2.057 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

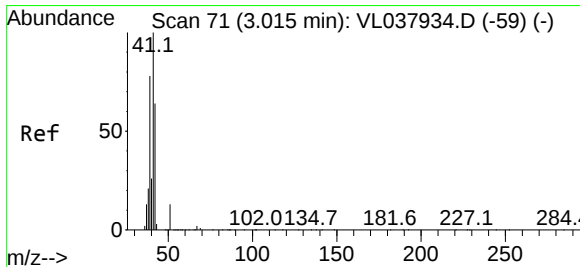
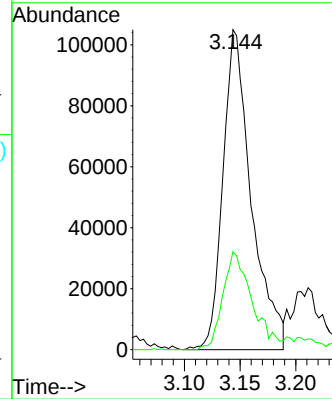
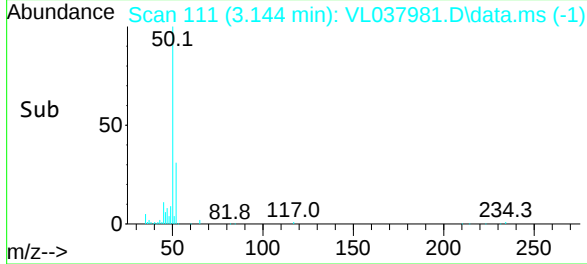
Instrument :
MSVOA_L
ClientSampleId :
COU01



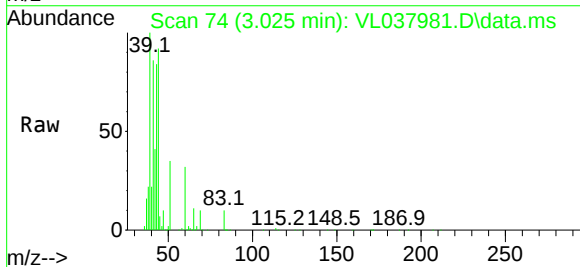
Tgt Ion: 50 Resp: 185724
Ion Ratio Lower Upper
50 100
52 30.6 26.3 39.5

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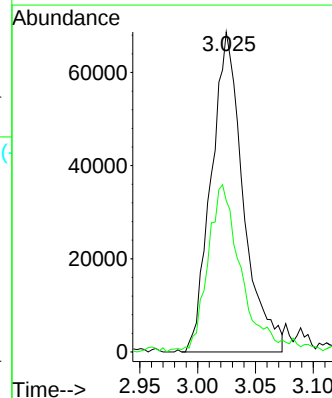
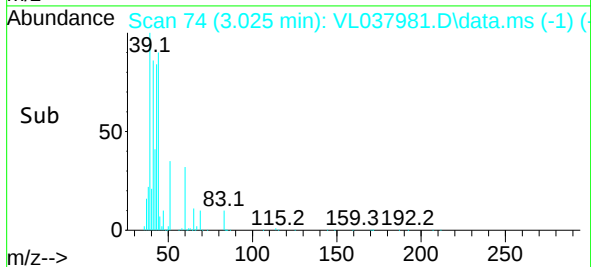
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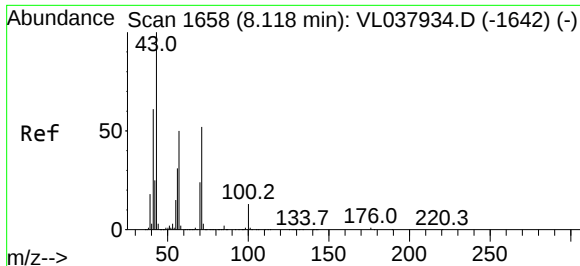


#9
Propene
Concen: 1.556 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.010 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



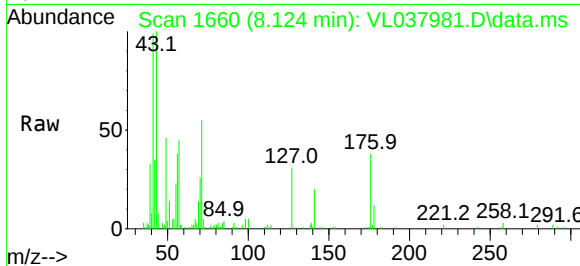
Tgt Ion: 41 Resp: 132536
Ion Ratio Lower Upper
41 100
42 561.7 57.6 86.4#





#10
Heptane
Concen: 0.295 ppbv
RT: 8.124 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

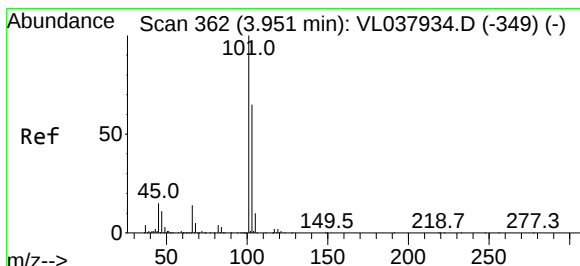
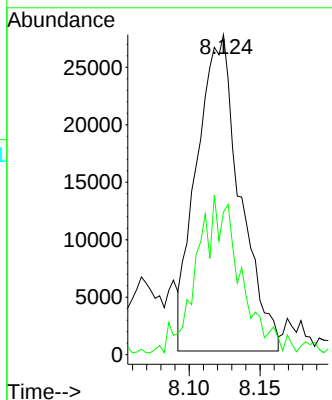
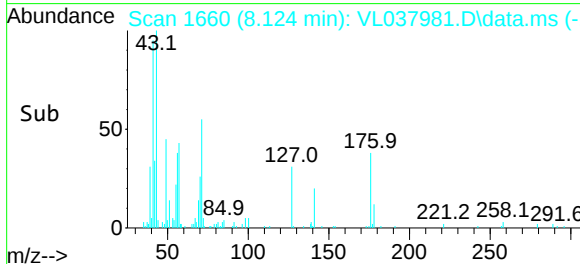
Instrument :
MSVOA_L
ClientSampleId :
COU01



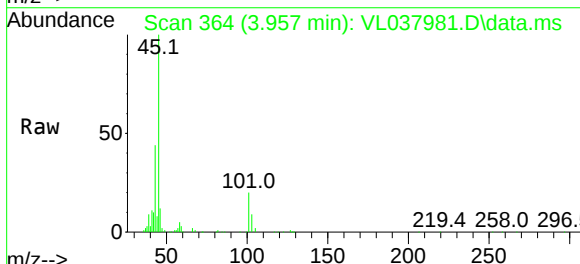
Tgt Ion: 43 Resp: 58509
Ion Ratio Lower Upper
43 100
57 51.2 39.8 59.8

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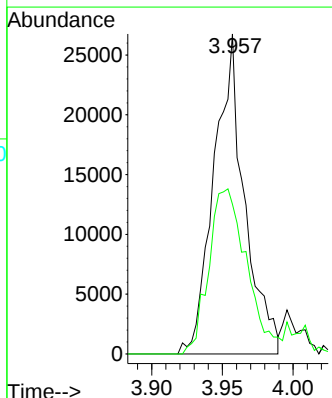
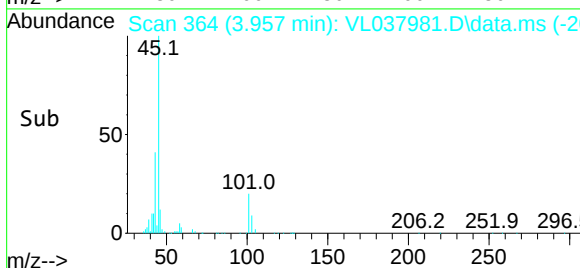
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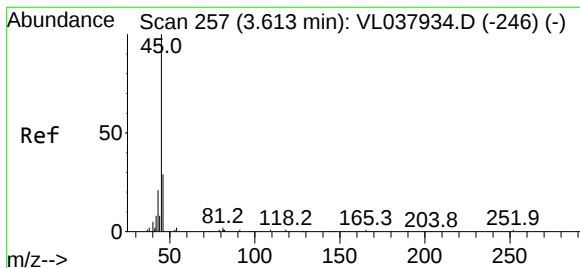


#11
Trichlorofluoromethane
Concen: 0.225 ppbv m
RT: 3.957 min Scan# 364
Delta R.T. 0.006 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



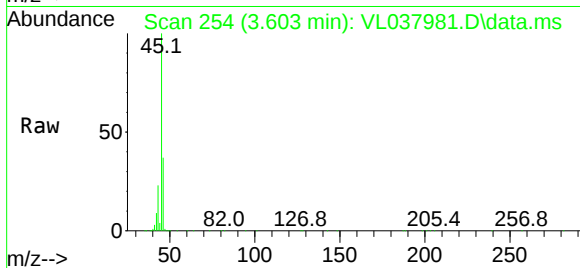
Tgt Ion:101 Resp: 40279
Ion Ratio Lower Upper
101 100
103 46.8 52.0 78.0#





#13
Ethanol
Concen: 779.552 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

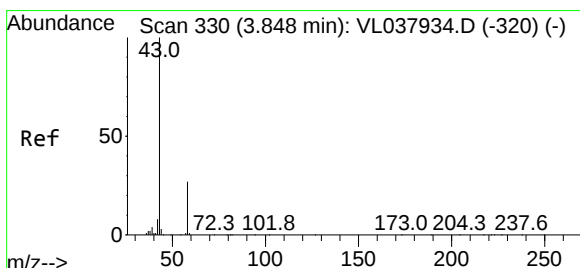
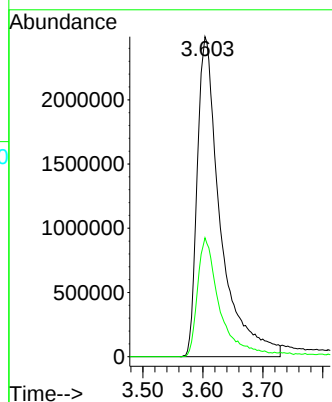
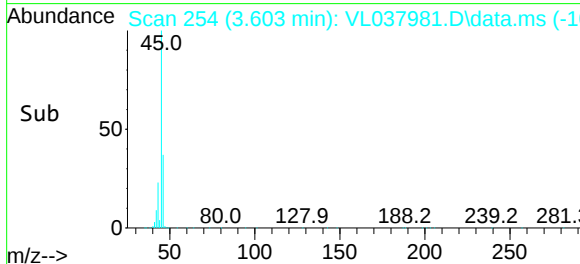
Instrument :
MSVOA_L
ClientSampleId :
COU01



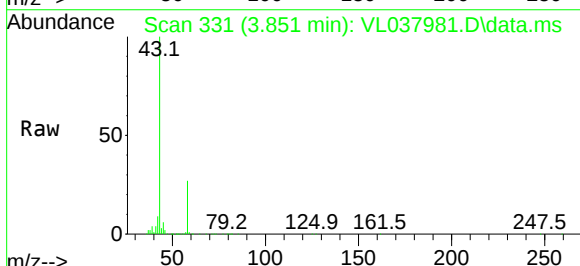
Tgt Ion: 45 Resp: 6698640
Ion Ratio Lower Upper
45 100
46 36.3 17.4 69.8

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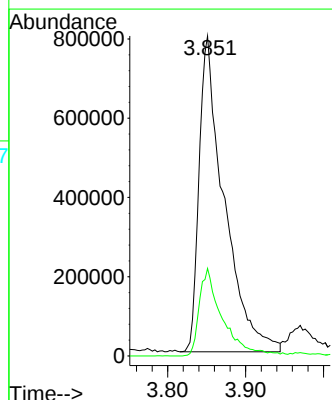
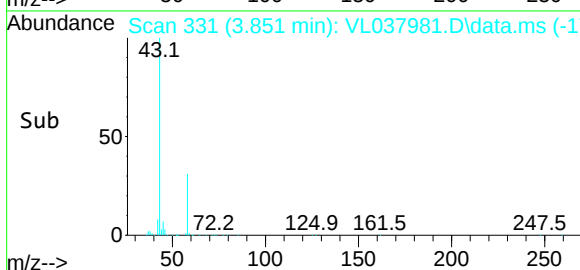
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

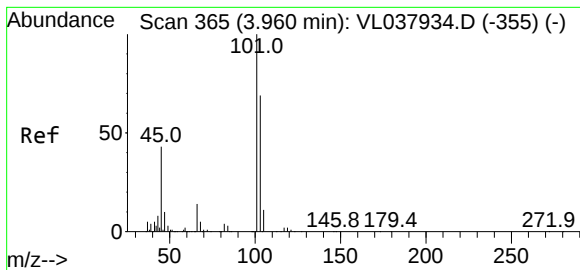


#15
Acetone
Concen: 16.847 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.003 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



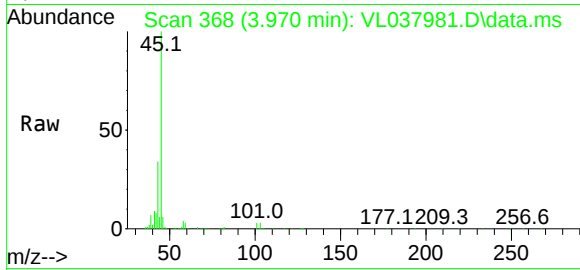
Tgt Ion: 43 Resp: 1776529
Ion Ratio Lower Upper
43 100
58 26.8 23.3 34.9





#19
Isopropyl Alcohol
Concen: 5.377 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

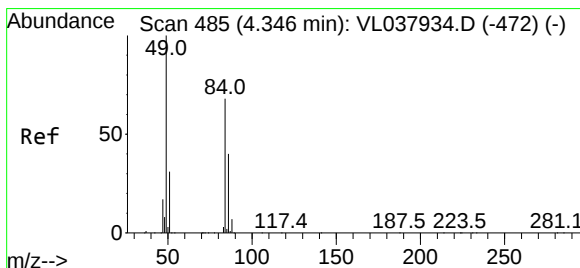
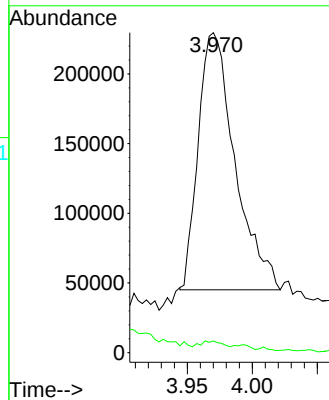
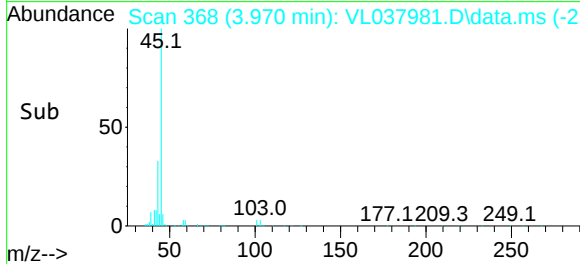
Instrument :
MSVOA_L
ClientSampleId :
COU01



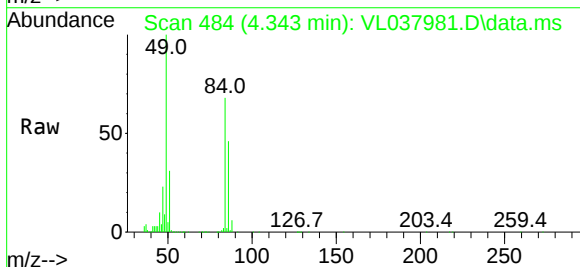
Tgt Ion: 45 Resp: 362619
Ion Ratio Lower Upper
45 100
58 5.4 4.0 6.0

Manual Integrations
APPROVED

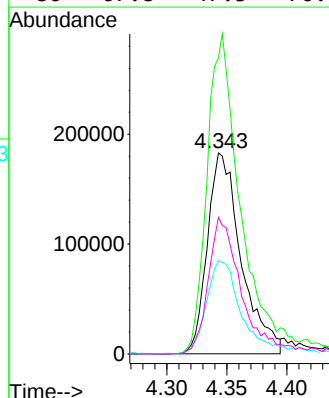
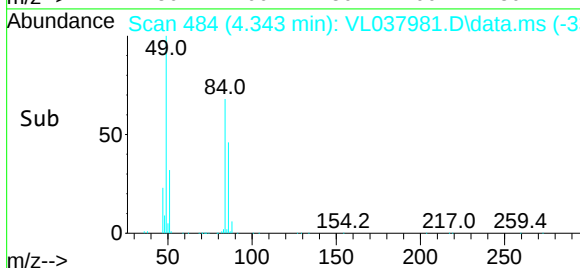
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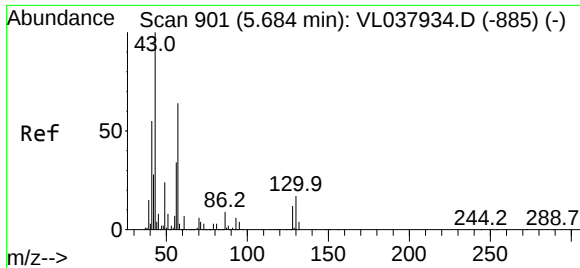


#20
Methylene Chloride
Concen: 6.181 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



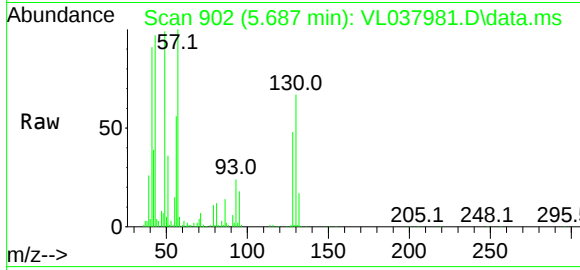
Tgt Ion: 84 Resp: 357808
Ion Ratio Lower Upper
84 100
49 147.0 117.5 176.3
51 46.0 35.9 53.9
86 67.8 47.3 70.9





#26
Hexane
Concen: 2.659 ppbv
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

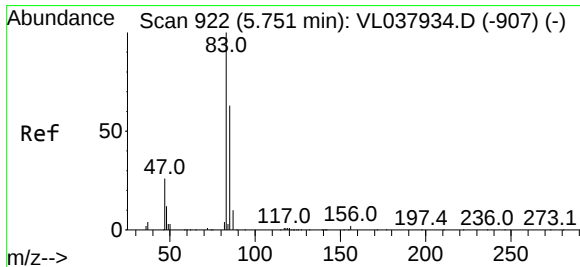
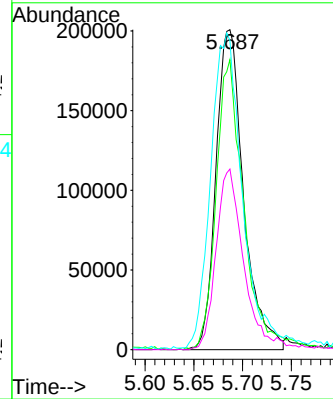
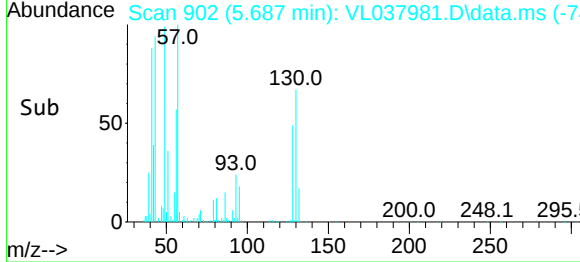
Instrument :
MSVOA_L
ClientSampleId :
COU01



Tgt Ion: 57 Resp: 39453
Ion Ratio Lower Upper
57 100
41 94.0 71.0 106.6
43 117.9 173.0 259.6
56 57.7 43.6 65.4

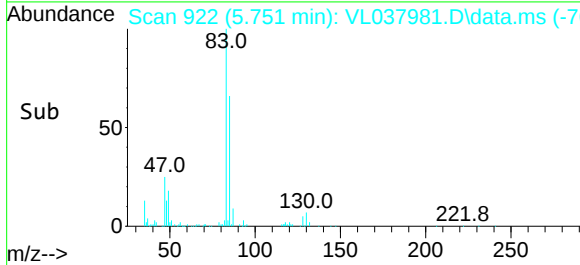
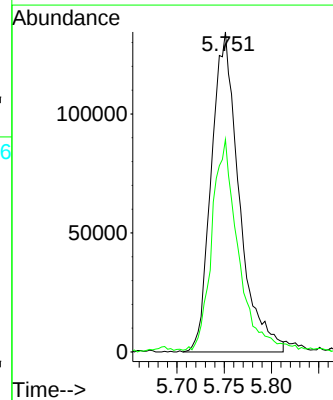
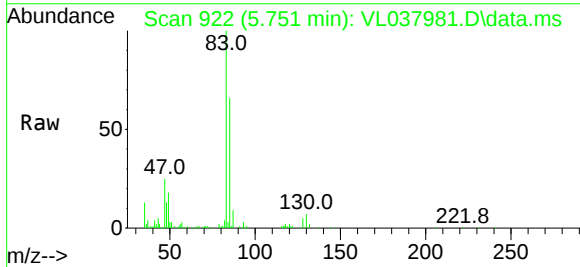
Manual Integrations
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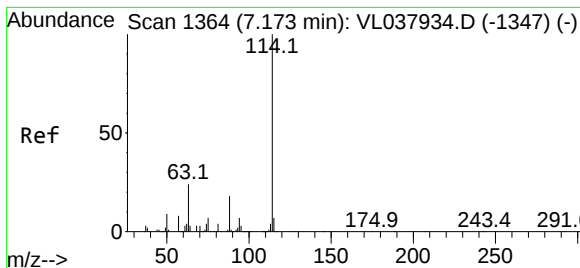
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#29
Chloroform
Concen: 1.245 ppbv
RT: 5.751 min Scan# 922
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

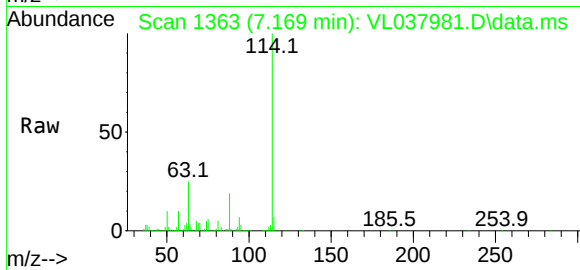
Tgt Ion: 83 Resp: 275450
Ion Ratio Lower Upper
83 100
85 65.9 50.6 76.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

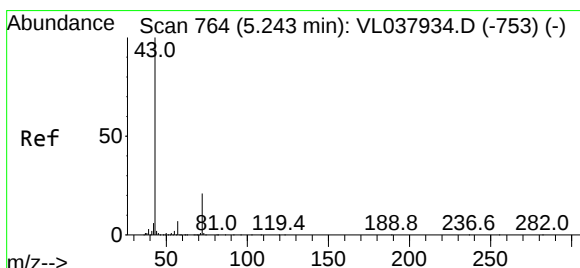
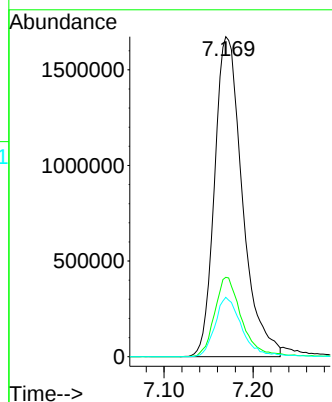
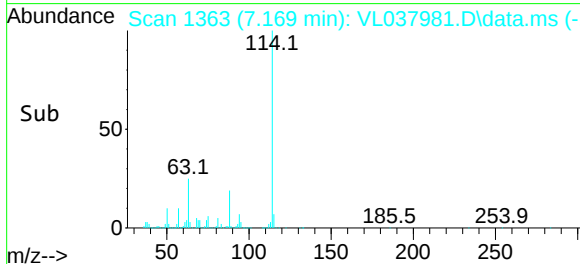
Instrument :
MSVOA_L
ClientSampleId :
COU01



Tgt Ion:114 Resp: 362275
Ion Ratio Lower Upper
114 100
63 24.7 19.4 29.0
88 18.1 14.2 21.4

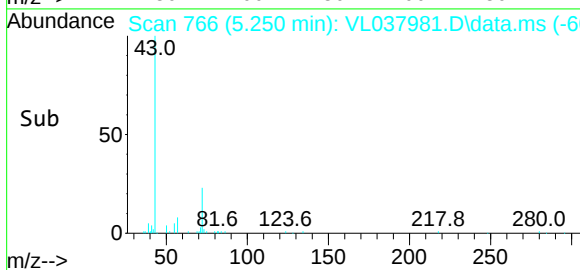
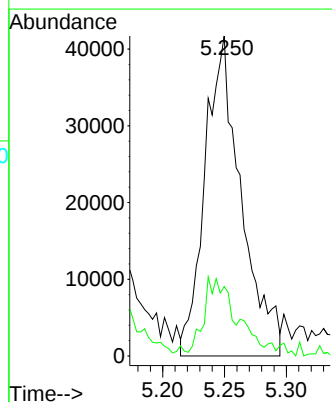
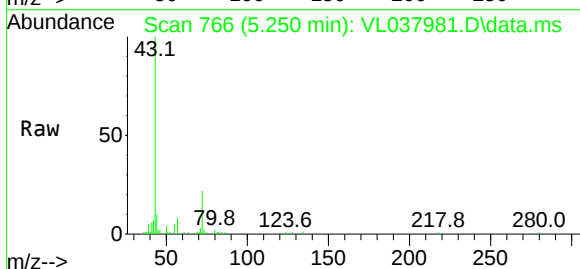
Manual Integrations
APPROVED

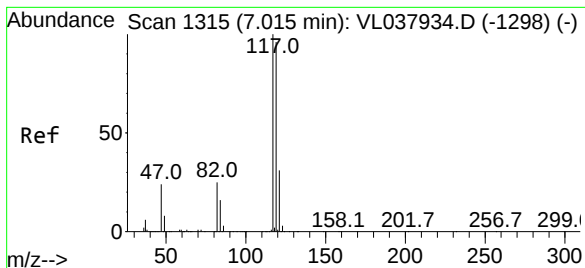
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#34
2-Butanone
Concen: 0.633 ppbv m
RT: 5.250 min Scan# 766
Delta R.T. 0.006 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

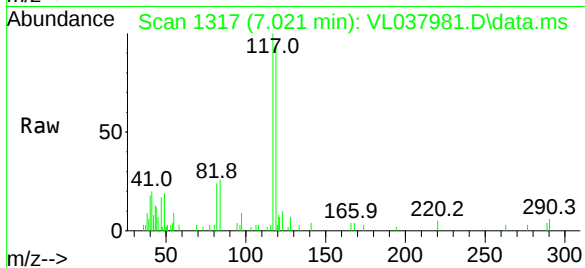
Tgt Ion: 43 Resp: 84975
Ion Ratio Lower Upper
43 100
72 24.2 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.021 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

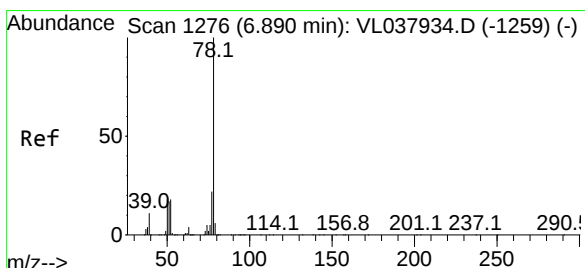
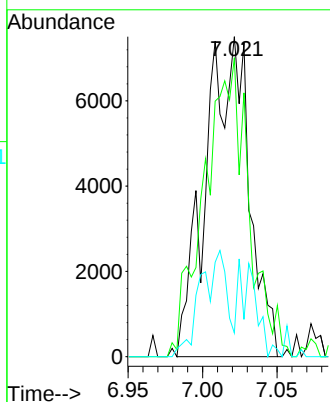
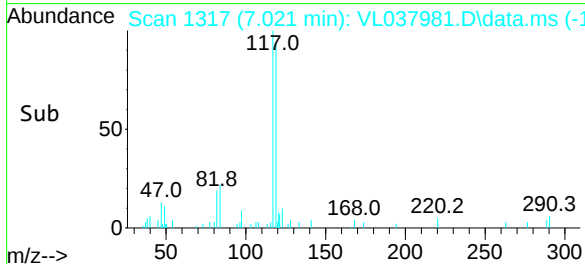
Instrument :
MSVOA_L
ClientSampleId :
COU01



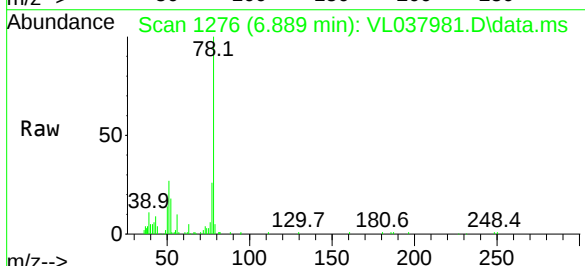
Tgt Ion: 117 Resp: 15215
Ion Ratio Lower Upper
117 100
119 93.5 76.6 114.8
121 7.4 25.1 37.7

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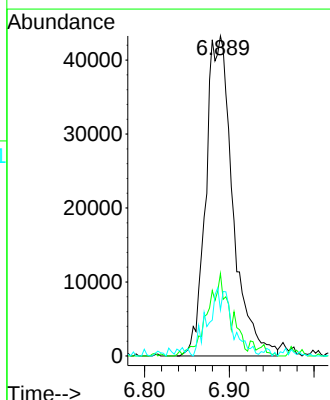
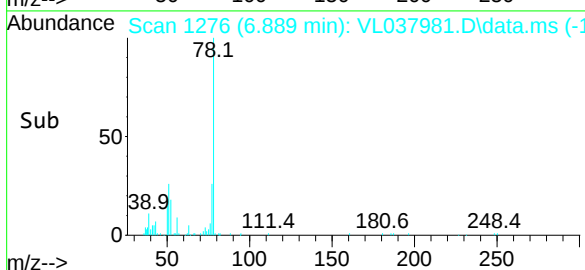
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

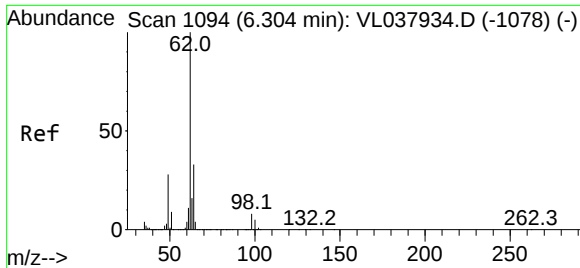


#36
Benzene
Concen: 0.324 ppbv m
RT: 6.889 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



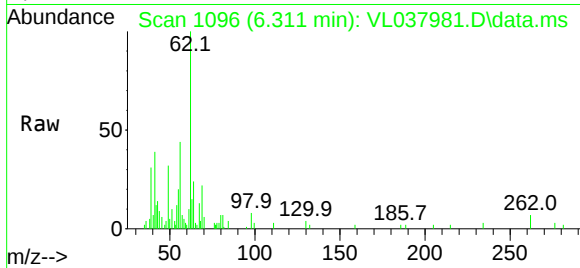
Tgt Ion: 78 Resp: 95523
Ion Ratio Lower Upper
78 100
77 25.8 17.9 26.9
50 14.4 14.4 21.6





#37
1,2-Dichloroethane
Concen: 0.161 ppbv m
RT: 6.311 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

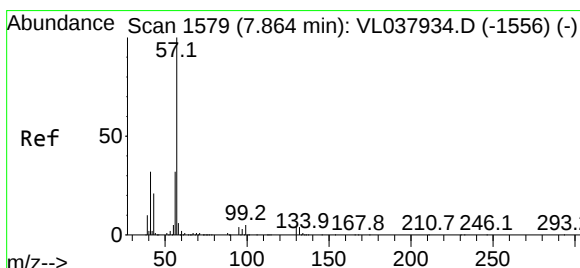
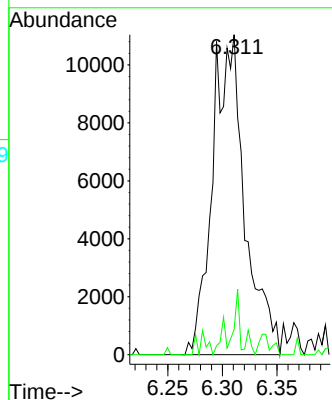
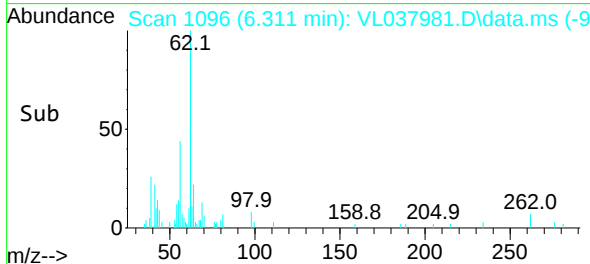
Instrument :
MSVOA_L
ClientSampleId :
COU01



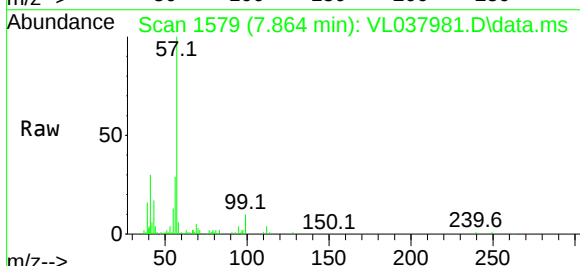
Tgt Ion: 62 Resp: 2258
Ion Ratio Lower Upper
62 100
98 9.0 6.5 9.7

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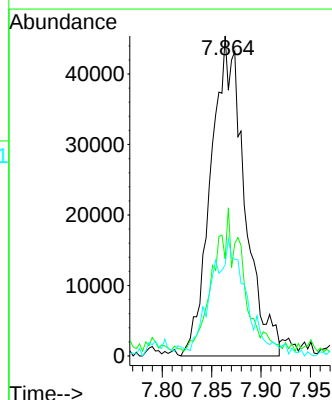
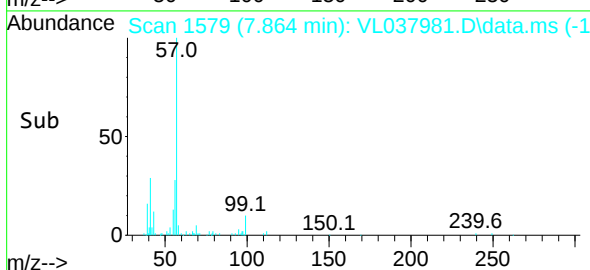
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

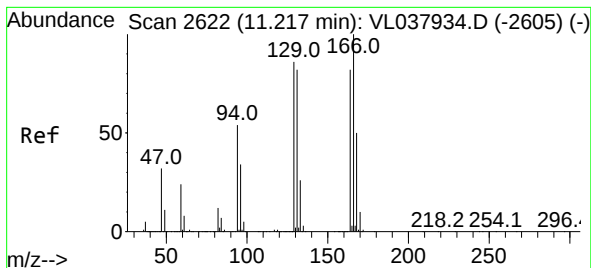


#44
2,2,4-Trimethylpentane
Concen: 0.215 ppbv m
RT: 7.864 min Scan# 1579
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08



Tgt Ion: 57 Resp: 107759
Ion Ratio Lower Upper
57 100
41 41.1 25.8 38.8#
56 39.9 25.9 38.9#





#52

Tetrachloroethene

Concen: 0.053 ppbv

RT: 11.208 min Scan# 2619

Delta R.T. -0.010 min

Lab File: VL037981.D

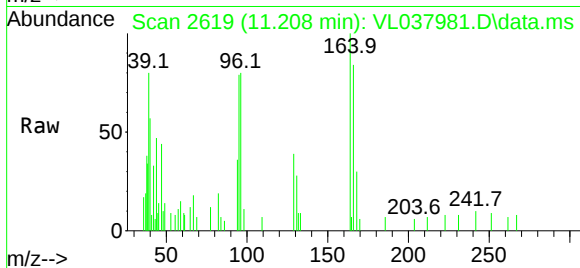
Acq: 9 Nov 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

COU01

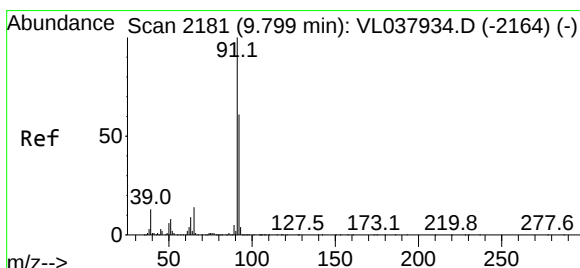
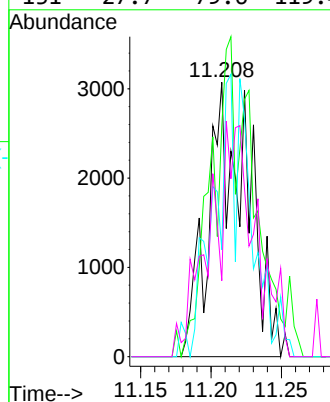
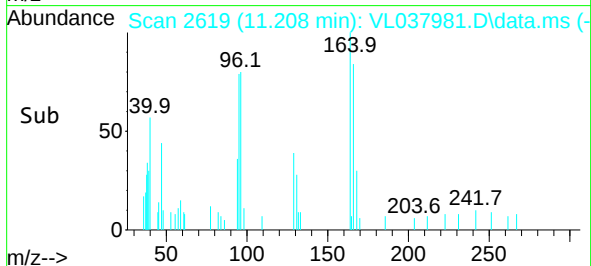


Tgt Ion:	164	Resp:	5904
Ion	Ratio	Lower	Upper
164	100		
166	84.2	97.6	146.4
129	39.0	84.2	126.2
131	27.7	79.6	119.4

Manual Integrations

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



#53

Toluene

Concen: 2.114 ppbv

RT: 9.799 min Scan# 2181

Delta R.T. -0.000 min

Lab File: VL037981.D

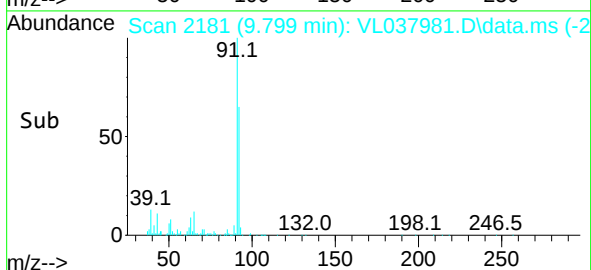
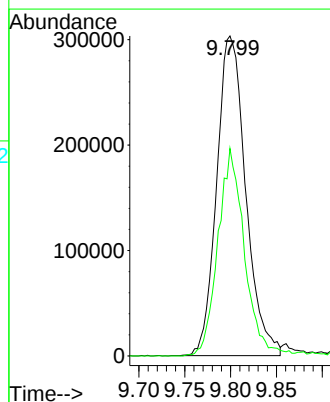
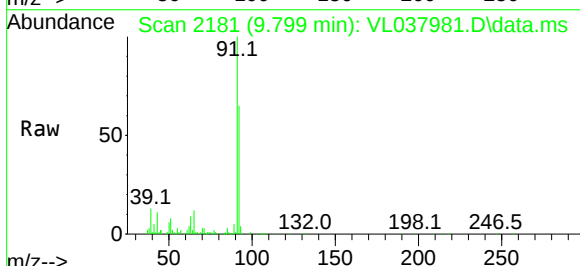
Acq: 9 Nov 2021 16:08

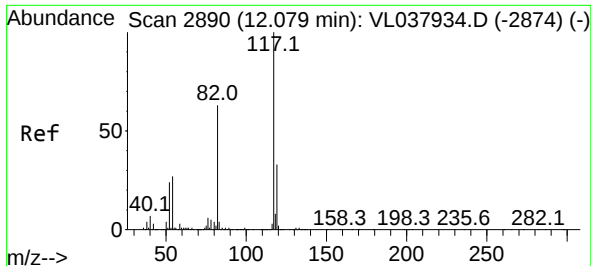
Tgt Ion: 91 Resp: 668480

Ion Ratio Lower Upper

91 100

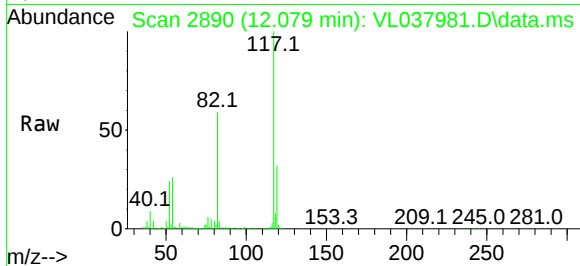
92 60.4 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

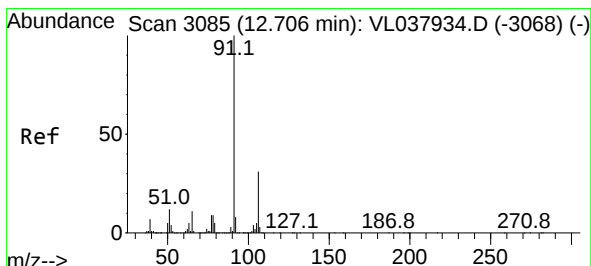
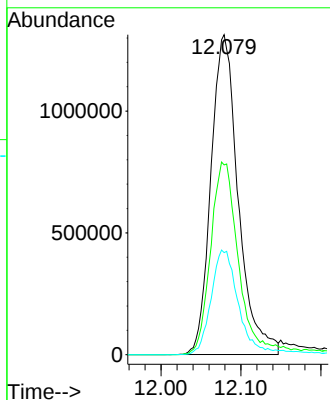
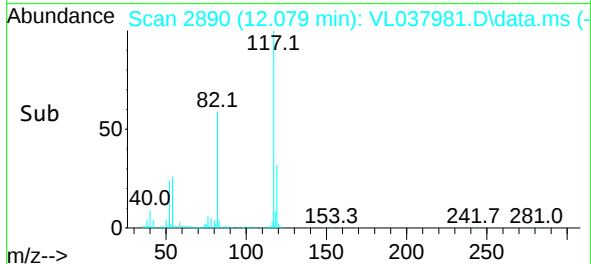
Instrument :
MSVOA_L
ClientSampleId :
COU01



Tgt Ion:117 Resp: 3116850
Ion Ratio Lower Upper
117 100
82 65.4 51.0 76.6
119 33.7 26.9 40.3

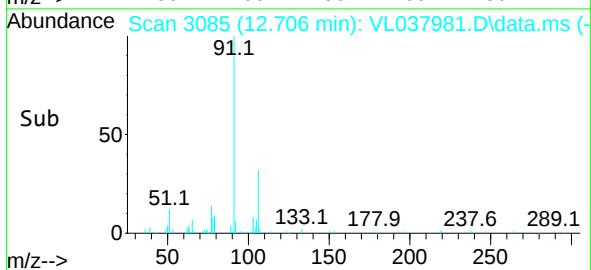
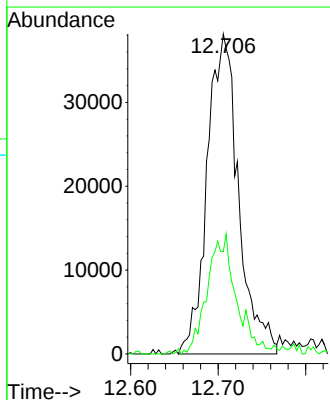
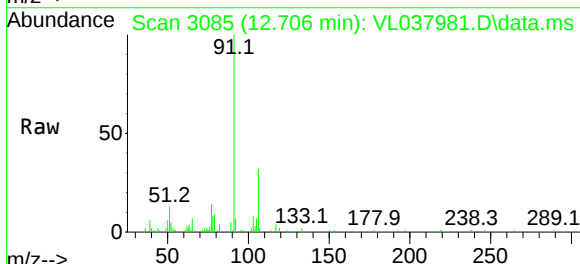
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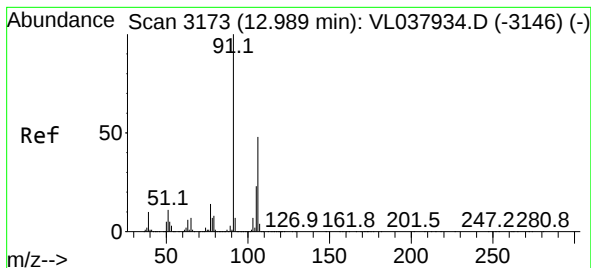
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 0.249 ppbv m
RT: 12.706 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VL037981.D
Acq: 9 Nov 2021 16:08

Tgt Ion: 91 Resp: 94938
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7





#59

m/p-Xylene

Concen: 0.519 ppbv

RT: 12.963 min Scan# 3173

Delta R.T. -0.026 min

Lab File: VL037981.D

Acq: 9 Nov 2021 16:08

Instrument :

MSVOA_L

ClientSampleId :

COU01

Tgt Ion: 91 Resp: 17574

Ion Ratio Lower Upper

91 100

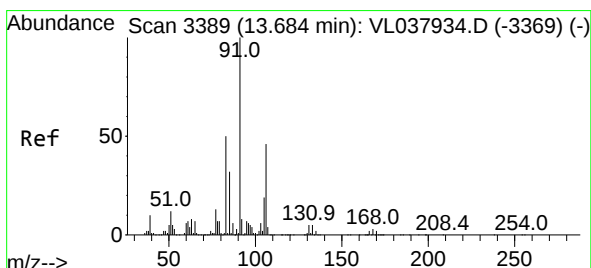
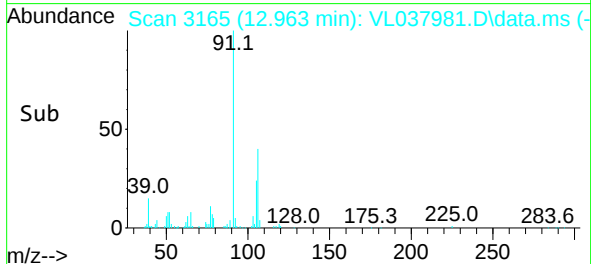
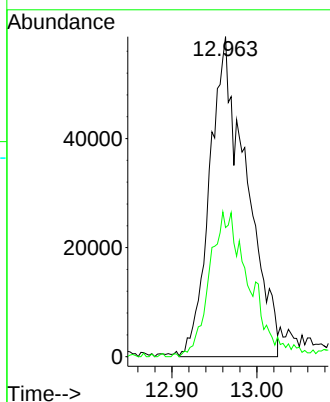
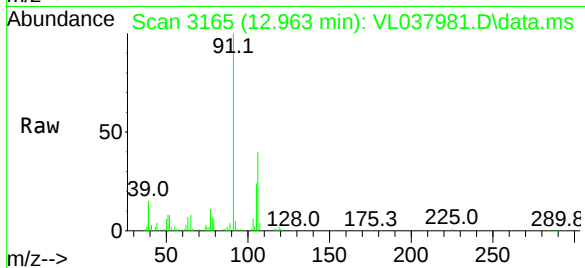
106 0.0 37.1 55.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#60

o-Xylene

Concen: 0.201 ppbv

RT: 13.677 min Scan# 3387

Delta R.T. -0.007 min

Lab File: VL037981.D

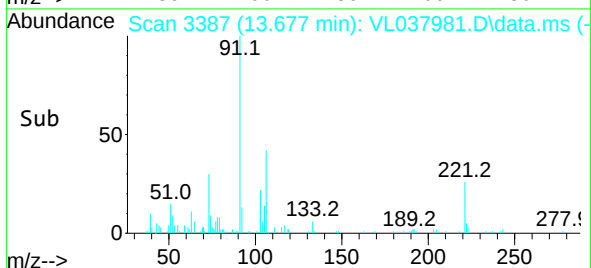
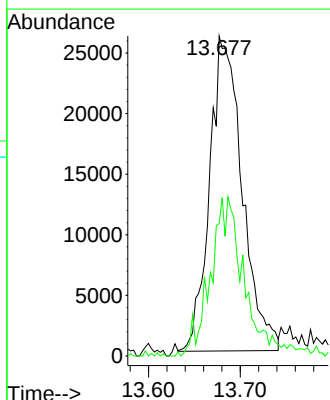
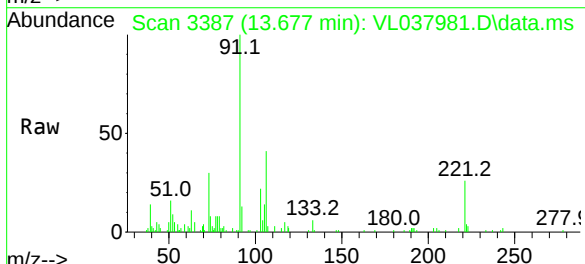
Acq: 9 Nov 2021 16:08

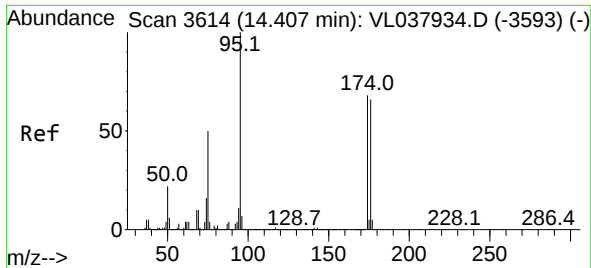
Tgt Ion: 91 Resp: 64101

Ion Ratio Lower Upper

91 100

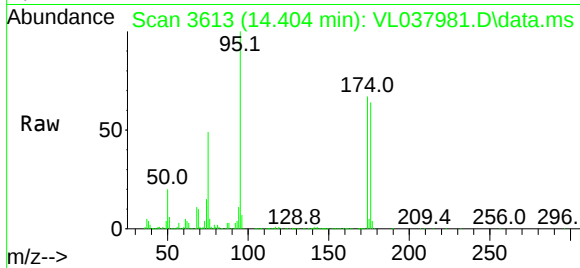
106 53.4 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.893 ppbv
 RT: 14.404 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL037981.D
 Acq: 9 Nov 2021 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 COU01



Tgt Ion: 95 Resp: 2241430
 Ion Ratio Lower Upper
 95 100
 174 74.3 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

