

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037982.D
 Acq On : 9 Nov 2021 16:49
 Operator : SY/AP
 Sample : M4555-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0U01DUP

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:48:34 2021

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 9 04:48:34 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	1268005	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3710942	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2974273	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2153984	9.963	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	33267	0.186	ppbv	92
4) Chloromethane	3.144	50	186814	2.082	ppbv	89
9) Propene	3.028	41	125096	1.478	ppbv	83
10) Heptane	8.124	43	64239m	0.326	ppbv	
11) Trichlorofluoromethane	3.954	101	42785m	0.241	ppbv	
13) Ethanol	3.603	45	7045606	825.195	ppbv	90
15) Acetone	3.848	43	1755352	16.753	ppbv	94
19) Isopropyl Alcohol	3.970	45	400282	5.974	ppbv #	1
20) Methylene Chloride	4.346	84	456287	7.932	ppbv	98
26) Hexane	5.687	57	495388	3.360	ppbv #	58
29) Chloroform	5.748	83	272415	1.239	ppbv	98
34) 2-Butanone	5.246	43	77744m	0.565	ppbv	
35) Carbon Tetrachloride	7.015	117	13064m	0.058	ppbv	
36) Benzene	6.886	78	93493	0.309	ppbv #	90
37) 1,2-Dichloroethane	6.304	62	24582m	0.171	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	105867m	0.206	ppbv	
52) Tetrachloroethene	11.211	164	5508m	0.048	ppbv	
53) Toluene	9.799	91	643190	1.985	ppbv	99
58) Ethyl Benzene	12.703	91	88593m	0.244	ppbv	
59) m/p-Xylene	12.960	91	175379m	0.542	ppbv	
60) o-Xylene	13.680	91	62382m	0.205	ppbv	

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

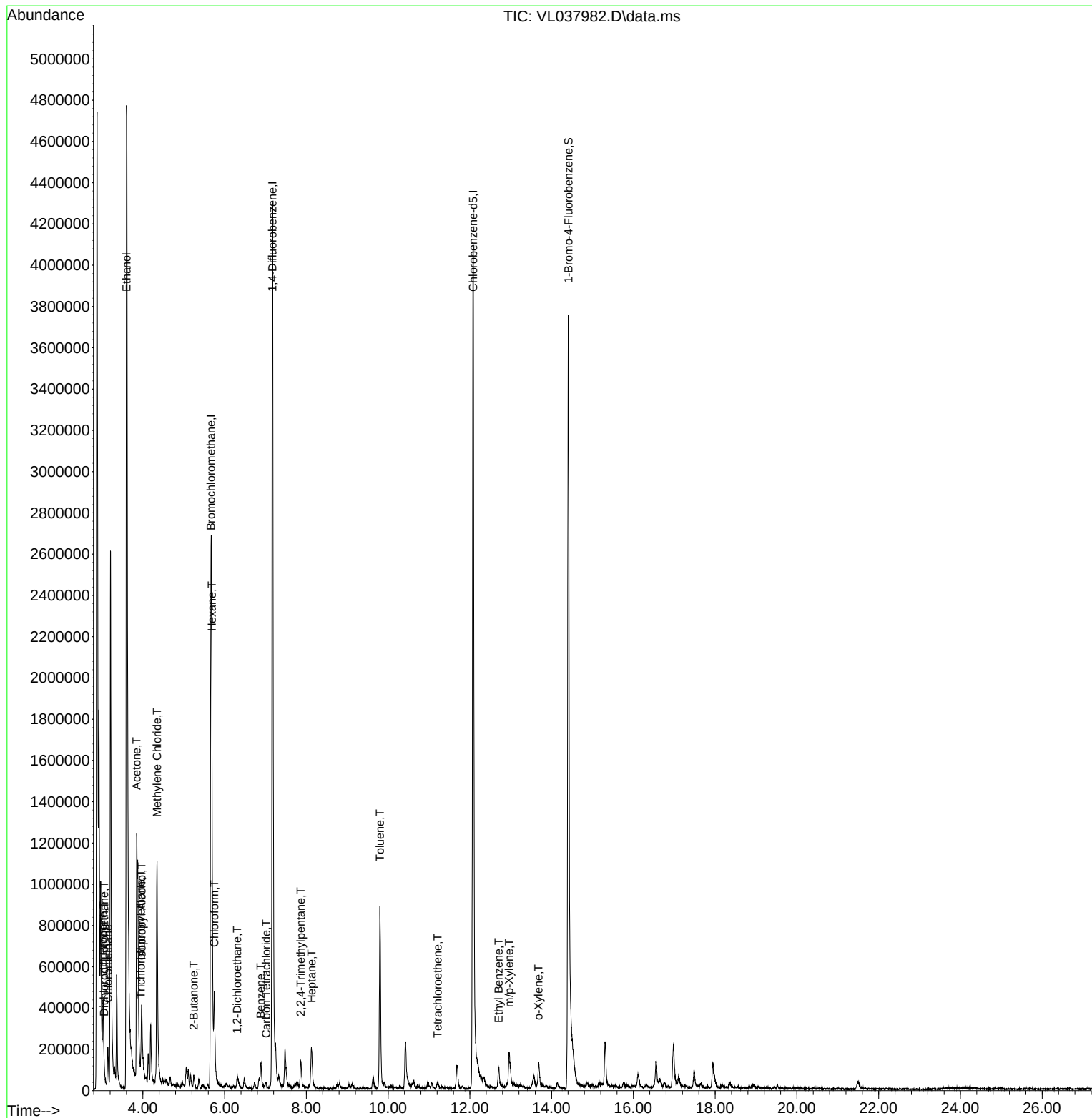
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037982.D
Acq On : 9 Nov 2021 16:49
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

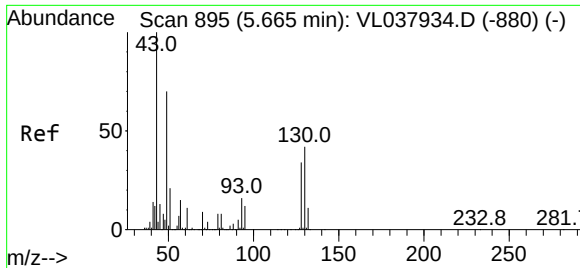
Instrument :
MSVOA_L
ClientSampleId :
C0U01DUP

Quant Time: Nov 10 04:48:34 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

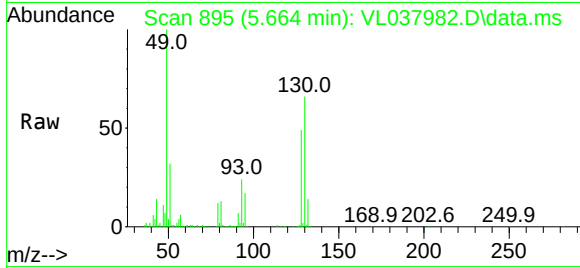
Reviewed By : Semsettin Yesilyurt 11/15/2021
Supervised By : Mahesh Dadoda 11/17/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

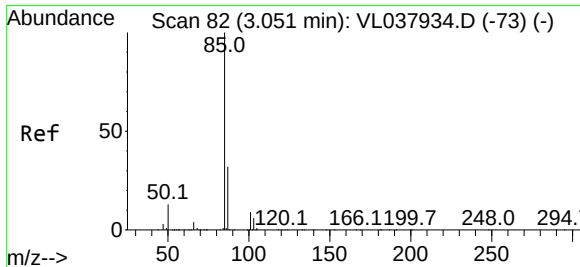
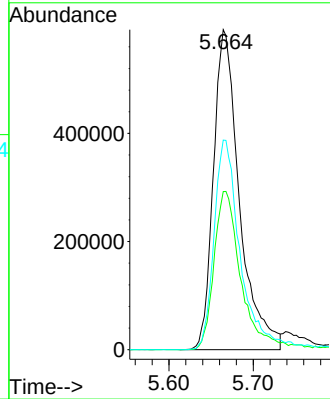
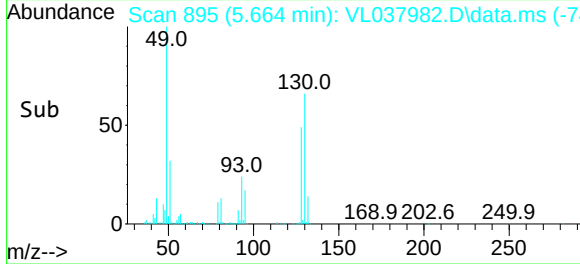
Instrument :
MSVOA_L
ClientSampleId :
C0U01DUP



Tgt Ion: 49 Resp: 126800
Ion Ratio Lower Upper
49 100
128 52.5 27.0 81.0
130 67.9 33.4 100.2

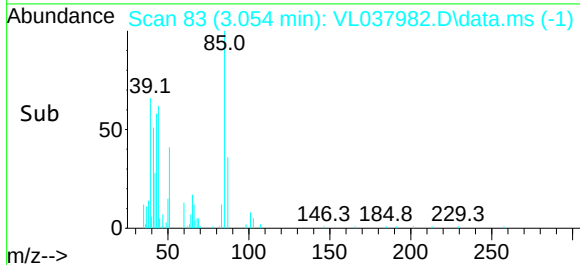
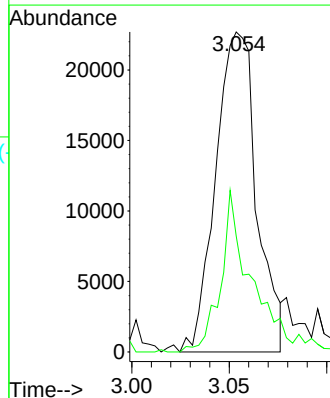
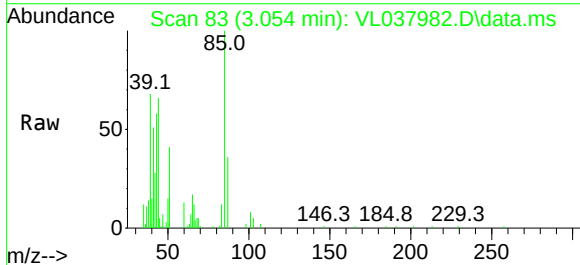
Manual Integrations
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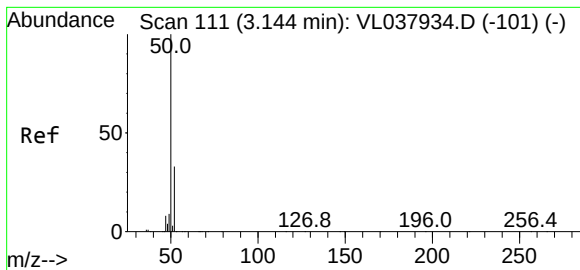
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#2
Dichlorodifluoromethane
Concen: 0.186 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

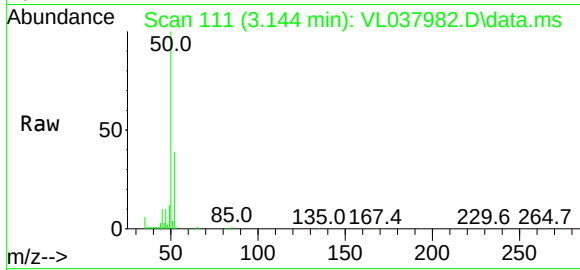
Tgt Ion: 85 Resp: 33267
Ion Ratio Lower Upper
85 100
87 36.2 25.3 37.9





#4
Chloromethane
Concen: 2.082 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

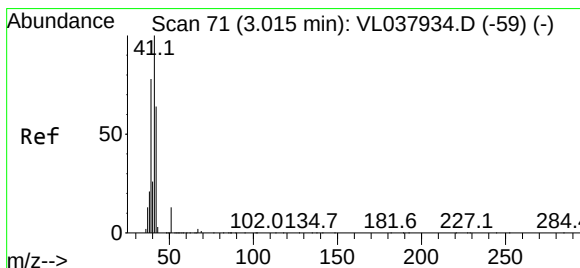
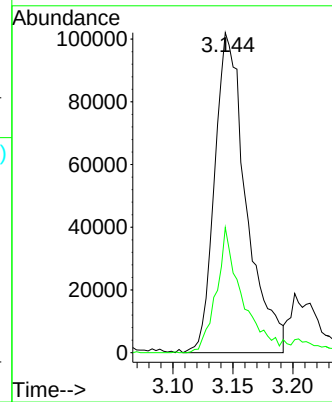
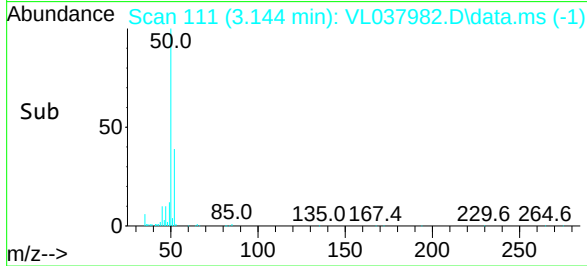
Instrument : MSVOA_L
ClientSampleId : C0U01DUP



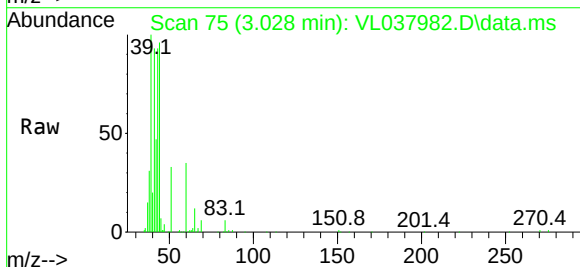
Tgt Ion: 50 Resp: 186814
Ion Ratio Lower Upper
50 100
52 39.1 26.3 39.5

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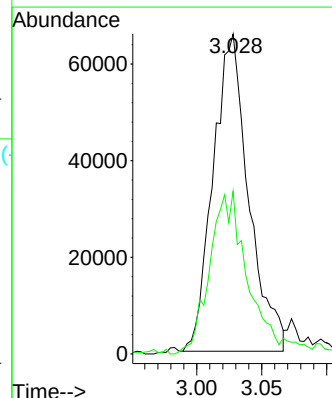
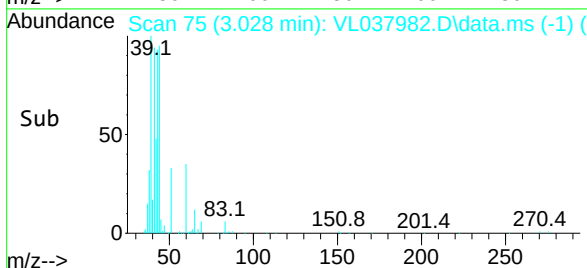
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

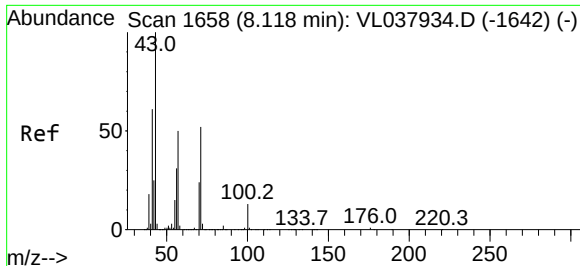


#9
Propene
Concen: 1.478 ppbv
RT: 3.028 min Scan# 75
Delta R.T. 0.013 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49



Tgt Ion: 41 Resp: 125096
Ion Ratio Lower Upper
41 100
42 57.6 57.6 86.4





#10

Heptane

Concen: 0.326 ppbv m

RT: 8.124 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL037982.D

Acq: 9 Nov 2021 16:49

Instrument :

MSVOA_L

ClientSampleId :

C0U01DUP

Tgt Ion: 43 Resp: 64239

Ion Ratio Lower Upper

43 100

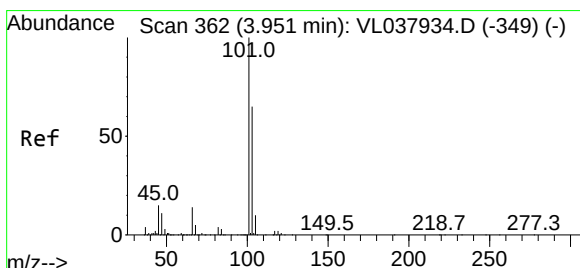
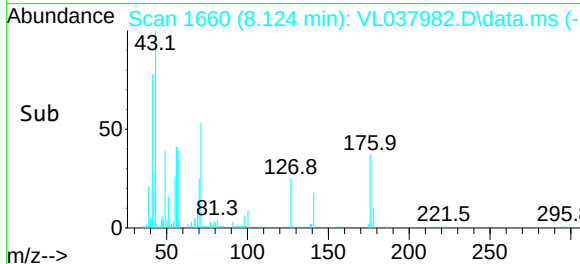
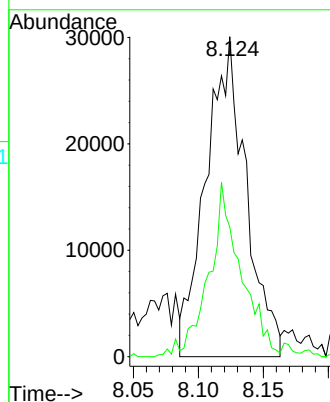
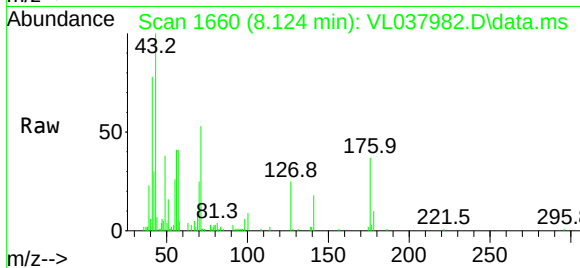
57 45.7 39.8 59.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#11

Trichlorofluoromethane

Concen: 0.241 ppbv m

RT: 3.954 min Scan# 363

Delta R.T. 0.003 min

Lab File: VL037982.D

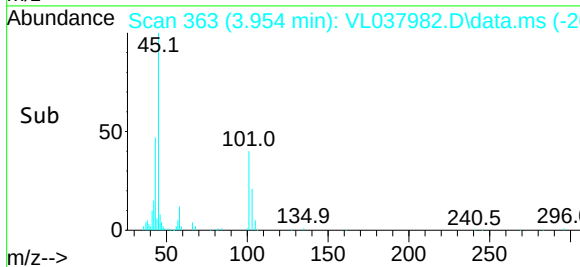
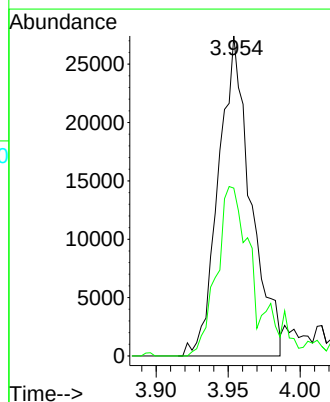
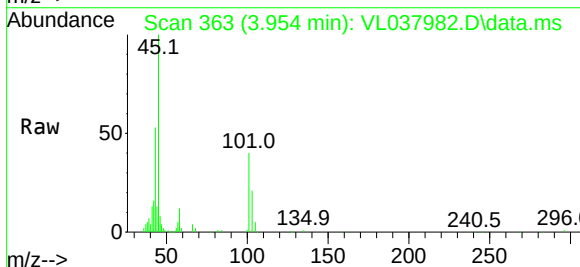
Acq: 9 Nov 2021 16:49

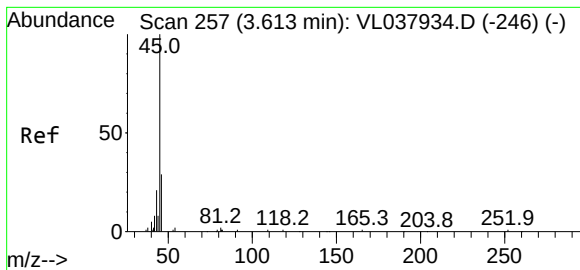
Tgt Ion:101 Resp: 42785

Ion Ratio Lower Upper

101 100

103 52.4 52.0 78.0





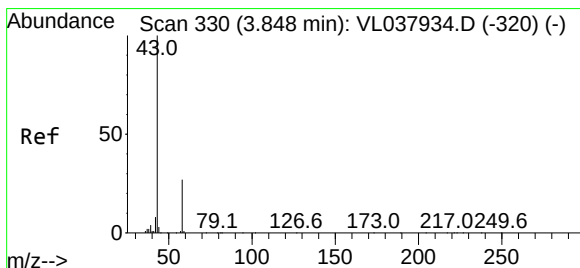
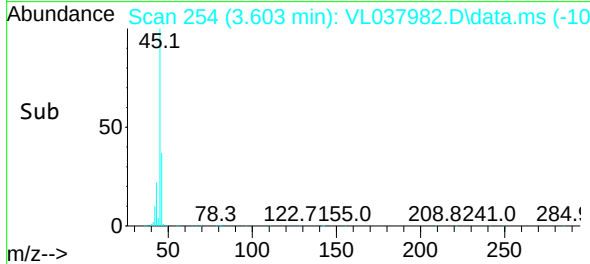
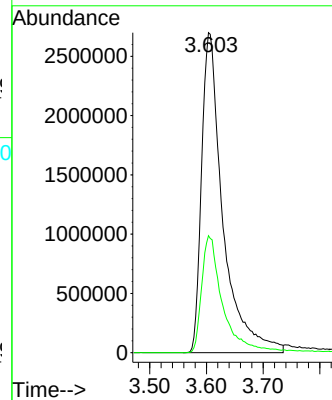
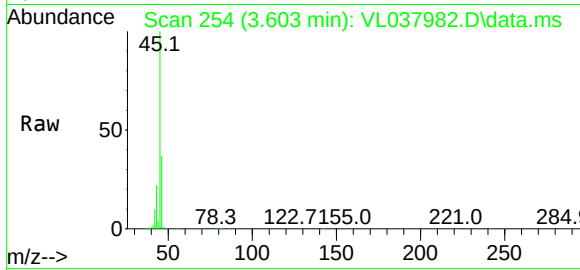
#13
Ethanol
Concen: 825.195 ppbv
RT: 3.603 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

Instrument :
MSVOA_L
ClientSampleId :
C0U01DUP

Tgt Ion: 45 Resp: 704560
Ion Ratio Lower Upper
45 100
46 37.2 17.4 69.8

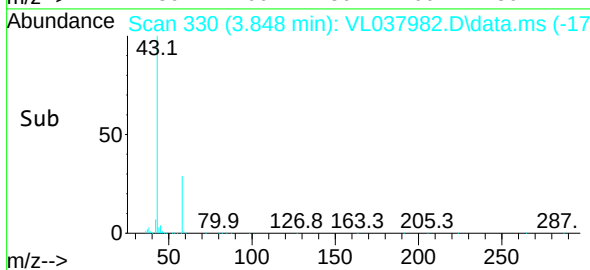
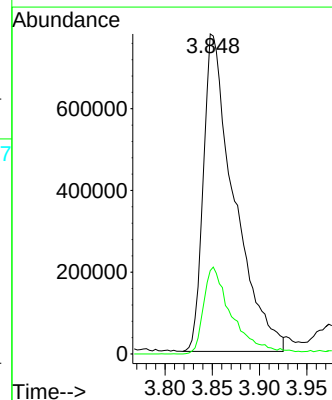
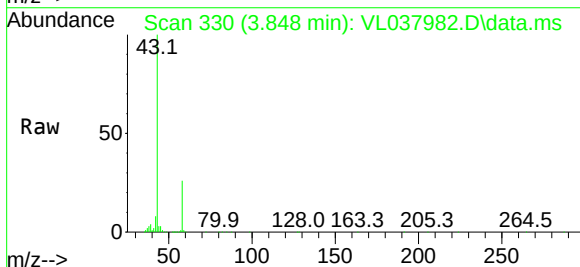
Manual Integrations
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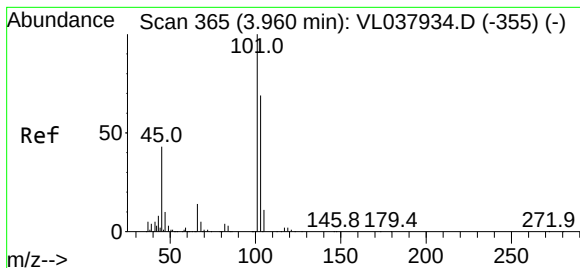
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#15
Acetone
Concen: 16.753 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

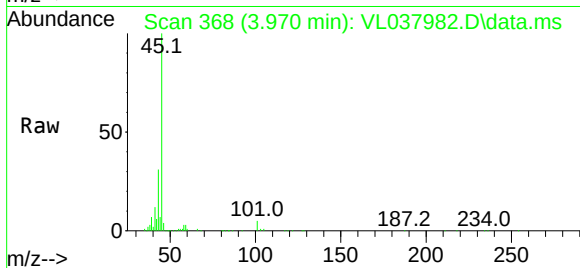
Tgt Ion: 43 Resp: 1755352
Ion Ratio Lower Upper
43 100
58 25.8 23.3 34.9





#19
Isopropyl Alcohol
Concen: 5.974 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

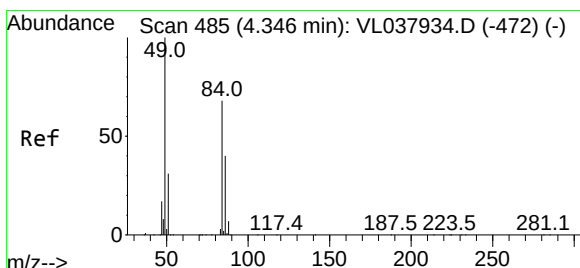
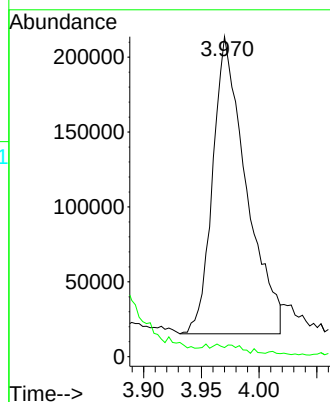
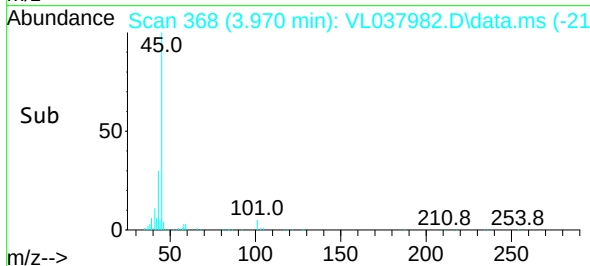
Instrument :
MSVOA_L
ClientSampleId :
C0U01DUP



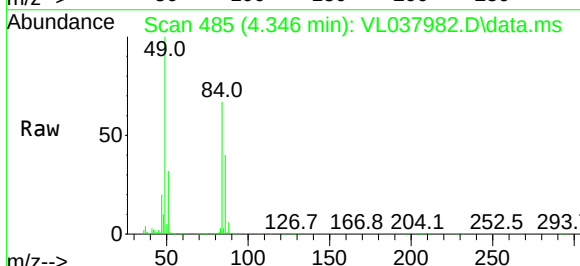
Tgt Ion: 45 Resp: 40028
Ion Ratio Lower Upper
45 100
58 112.0 4.0 6.0

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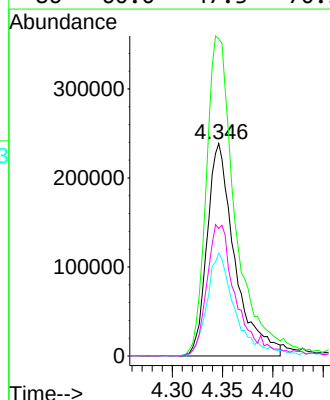
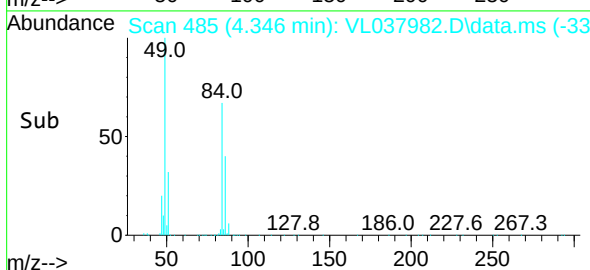
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

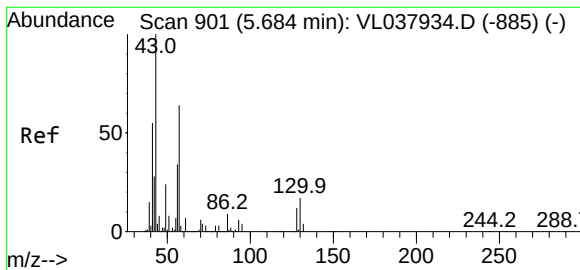


#20
Methylene Chloride
Concen: 7.932 ppbv
RT: 4.346 min Scan# 485
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49



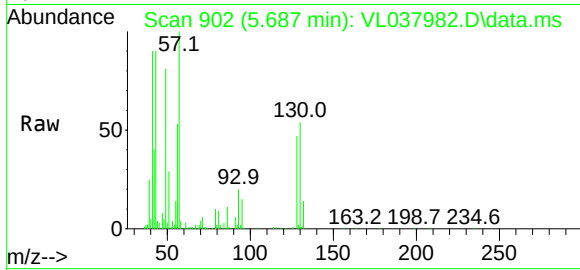
Tgt Ion: 84 Resp: 456287
Ion Ratio Lower Upper
84 100
49 148.9 117.5 176.3
51 48.4 35.9 53.9
86 60.0 47.3 70.9





#26
Hexane
Concen: 3.360 ppbv
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

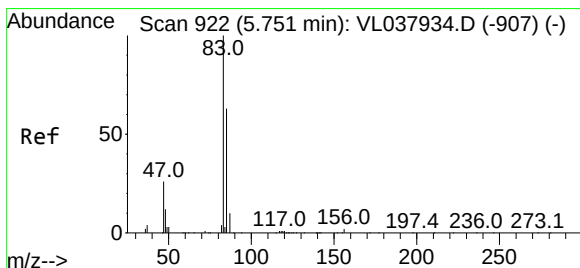
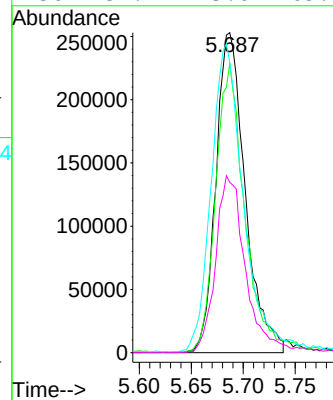
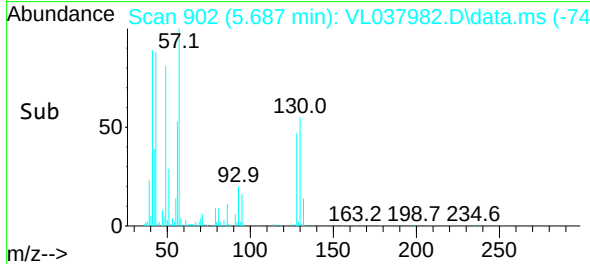
Instrument :
MSVOA_L
ClientSampleId :
C0U01DUP



Tgt Ion: 57 Resp: 495388
Ion Ratio Lower Upper
57 100
41 91.4 71.0 106.6
43 107.6 173.0 259.6
56 57.4 43.6 65.4

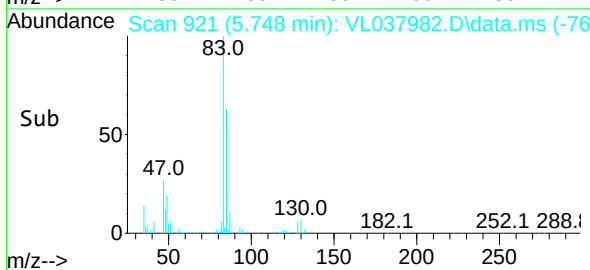
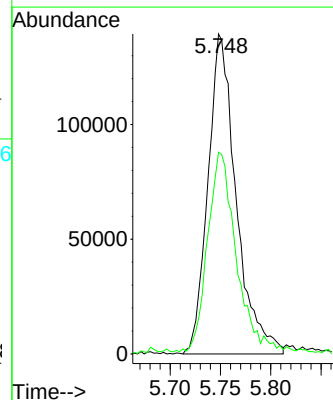
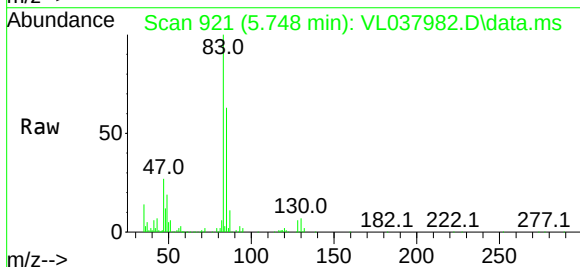
Manual Integrations
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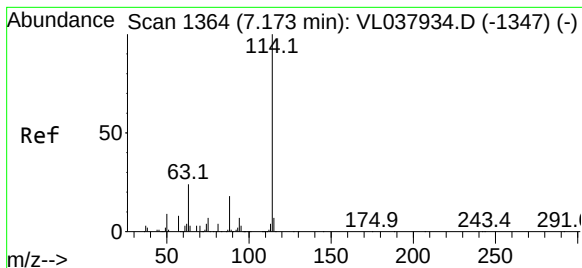
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#29
Chloroform
Concen: 1.239 ppbv
RT: 5.748 min Scan# 921
Delta R.T. -0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

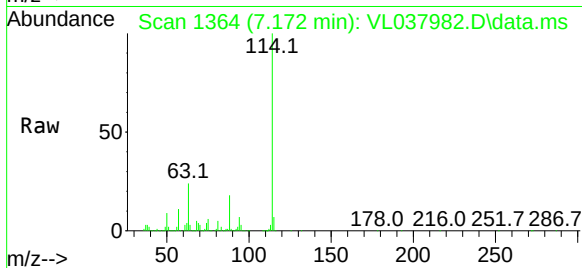
Tgt Ion: 83 Resp: 272415
Ion Ratio Lower Upper
83 100
85 61.7 50.6 76.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.172 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

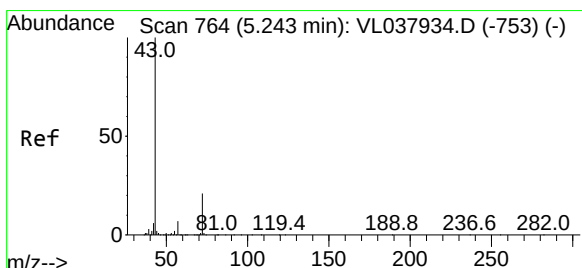
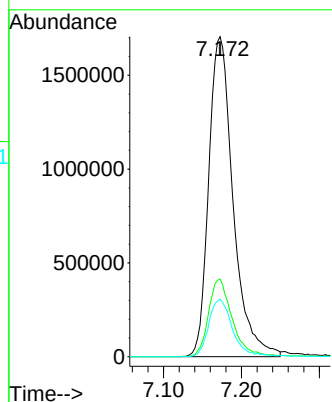
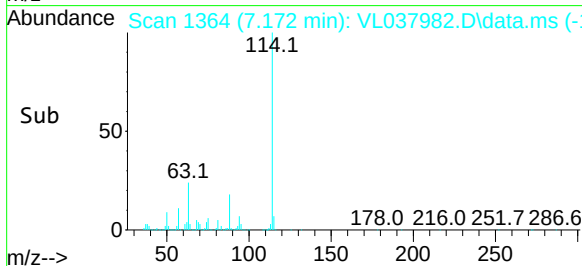
Instrument :
MSVOA_L
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C0U01DUP



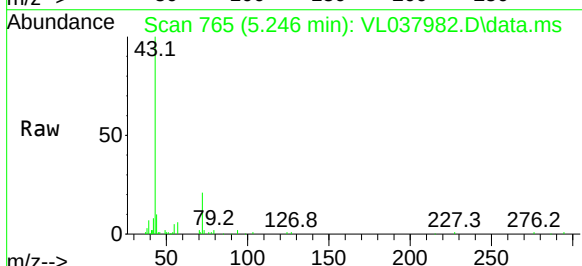
Tgt Ion:114 Resp: 371094
Ion Ratio Lower Upper
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63 23.9 19.4 29.0
88 17.8 14.2 21.4

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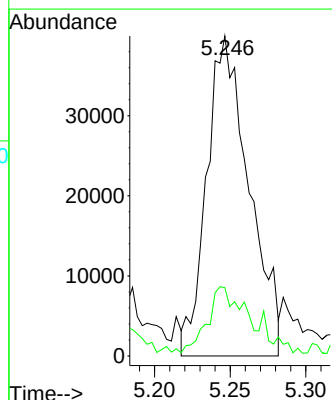
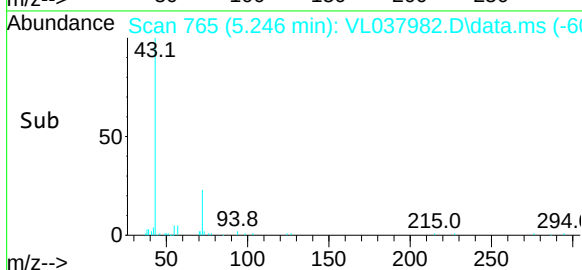
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

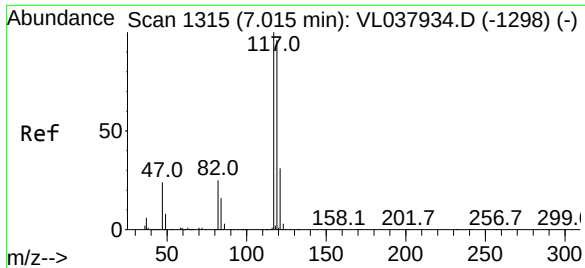


#34
2-Butanone
Concen: 0.565 ppbv m
RT: 5.246 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49



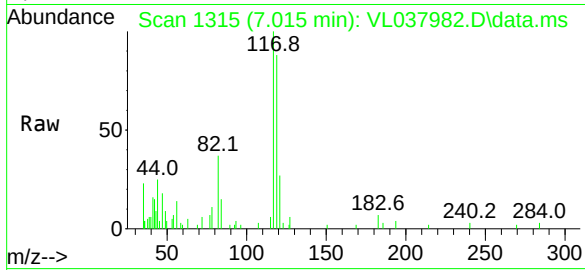
Tgt Ion: 43 Resp: 77744
Ion Ratio Lower Upper
43 100
72 25.1 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.015 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

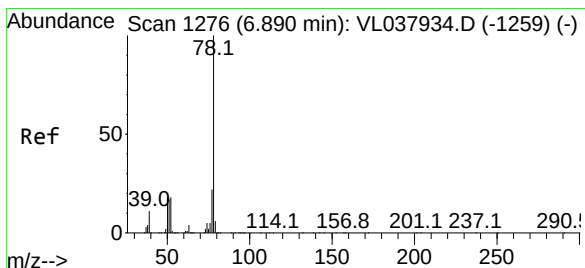
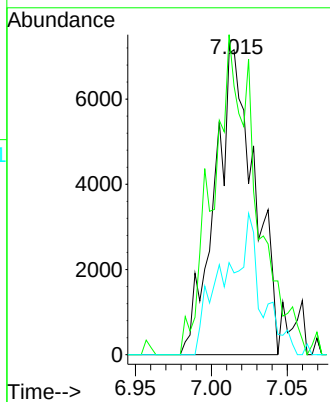
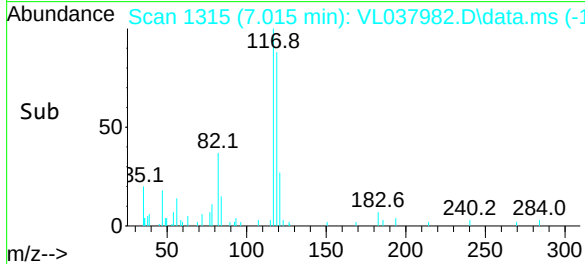
Instrument :
MSVOA_L
ClientSampleId :
COU01DUP



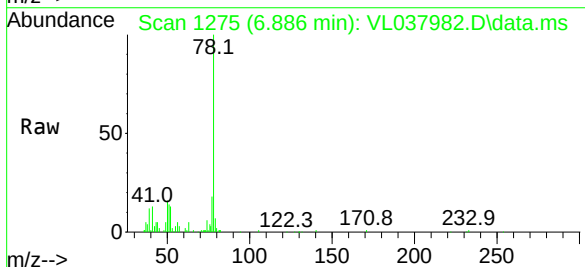
Tgt Ion: 117 Resp: 13064
Ion Ratio Lower Upper
117 100
119 88.1 76.6 114.8
121 26.8 25.1 37.7

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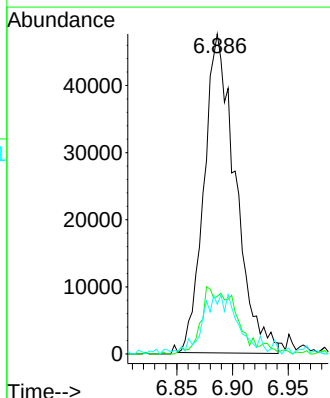
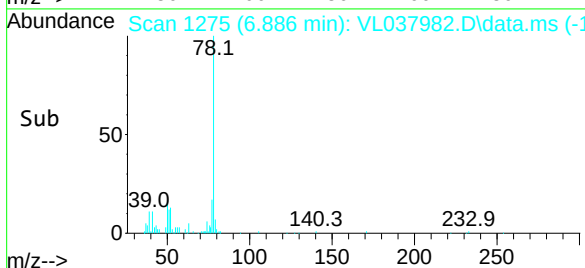
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

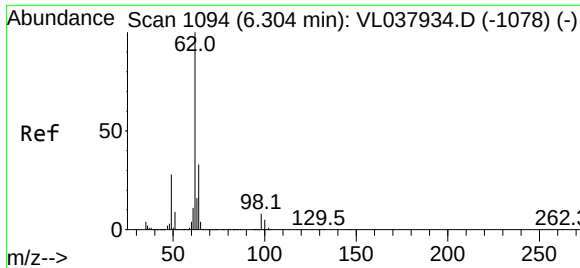


#36
Benzene
Concen: 0.309 ppbv
RT: 6.886 min Scan# 1275
Delta R.T. -0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49



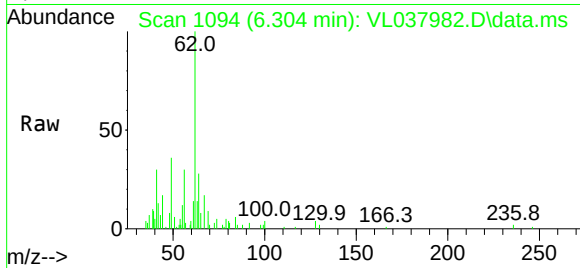
Tgt Ion: 78 Resp: 93493
Ion Ratio Lower Upper
78 100
77 17.6 17.9 26.9#
50 14.0 14.4 21.6#





#37
1,2-Dichloroethane
Concen: 0.171 ppbv m
RT: 6.304 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

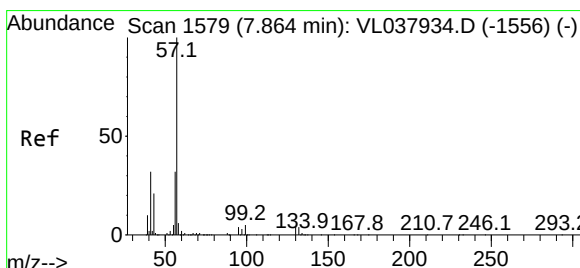
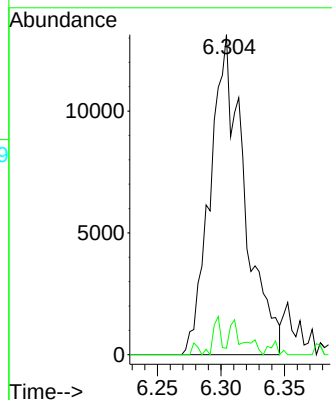
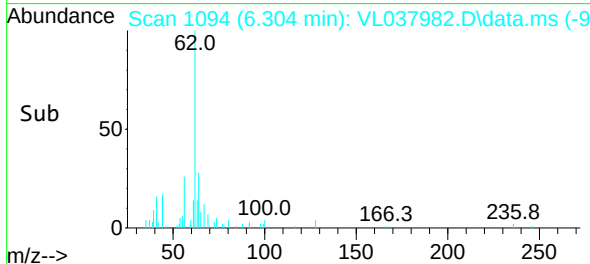
Instrument :
MSVOA_L
ClientSampleId :
COU01DUP



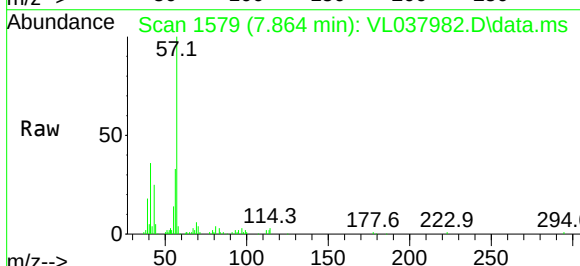
Tgt Ion: 62 Resp: 2458
Ion Ratio Lower Upper
62 100
98 7.6 6.5 9.7

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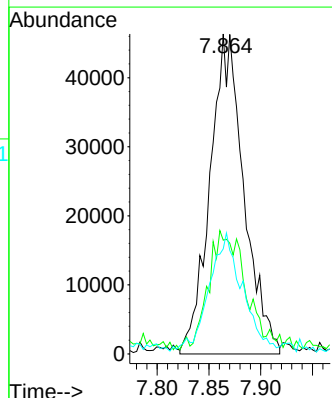
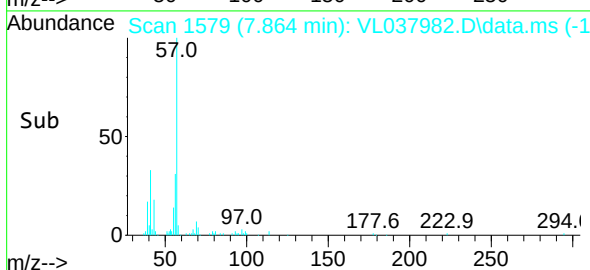
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

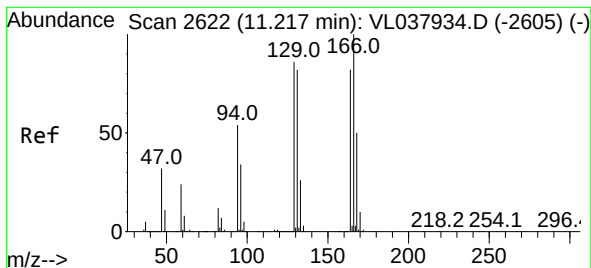


#44
2,2,4-Trimethylpentane
Concen: 0.206 ppbv m
RT: 7.864 min Scan# 1579
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49



Tgt Ion: 57 Resp: 105867
Ion Ratio Lower Upper
57 100
41 42.4 25.8 38.8#
56 0.0 25.9 38.9#





#52

Tetrachloroethene

Concen: 0.048 ppbv m

RT: 11.211 min Scan# 2620

Delta R.T. -0.007 min

Lab File: VL037982.D

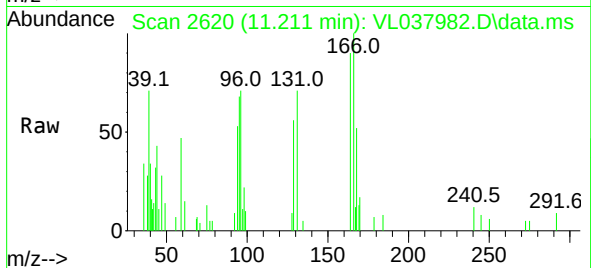
Acq: 9 Nov 2021 16:49

Instrument :

MSVOA_L

ClientSampleId :

C0U01DUP

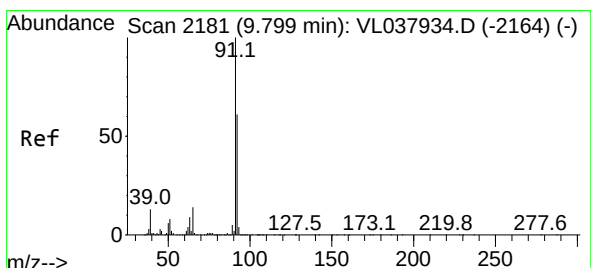
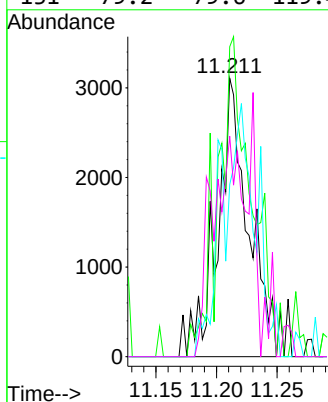
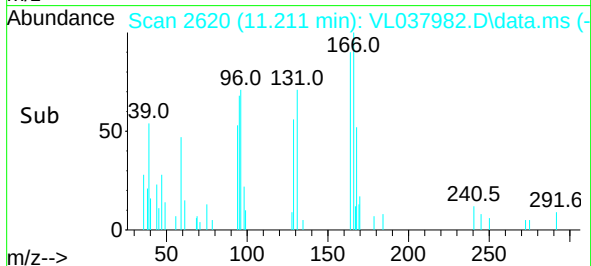


Tgt Ion:164	Resp:	5508
Ion	Ratio	Lower Upper
164	100	
166	111.3	97.6 146.4
129	61.8	84.2 126.2
131	79.2	79.6 119.4

Manual Integrations

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



#53

Toluene

Concen: 1.985 ppbv

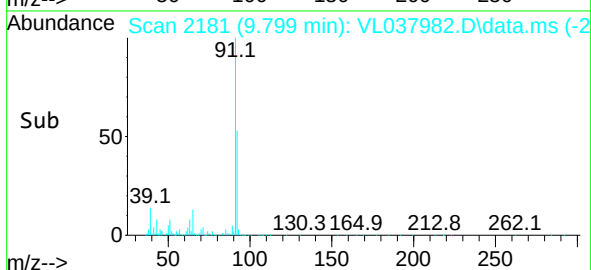
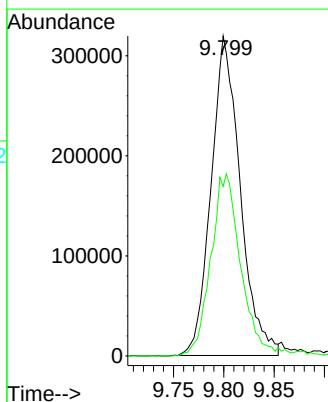
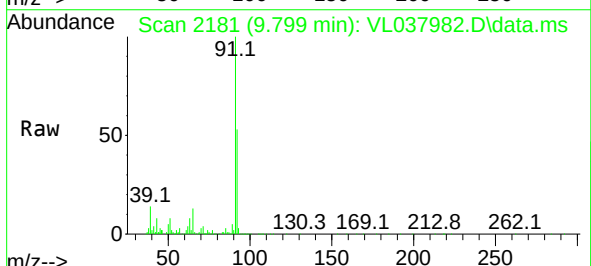
RT: 9.799 min Scan# 2181

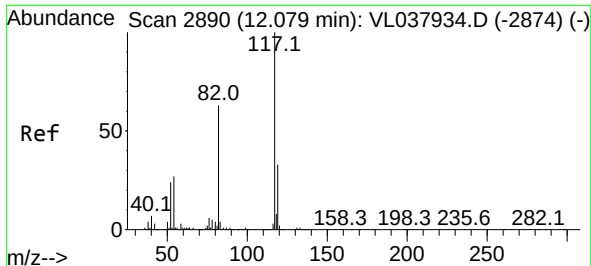
Delta R.T. -0.000 min

Lab File: VL037982.D

Acq: 9 Nov 2021 16:49

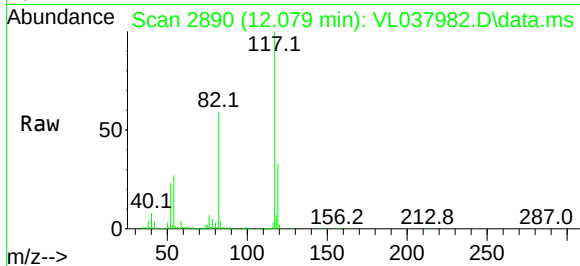
Tgt Ion: 91	Resp:	643190
Ion	Ratio	Lower Upper
91	100	
92	59.6	48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

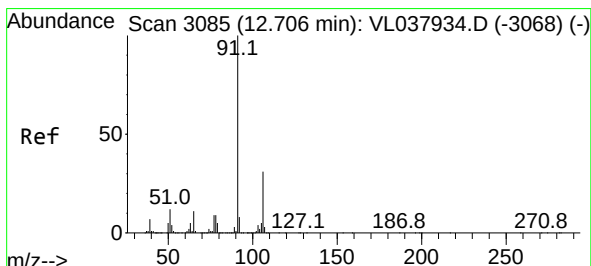
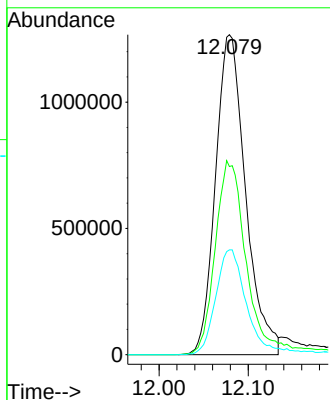
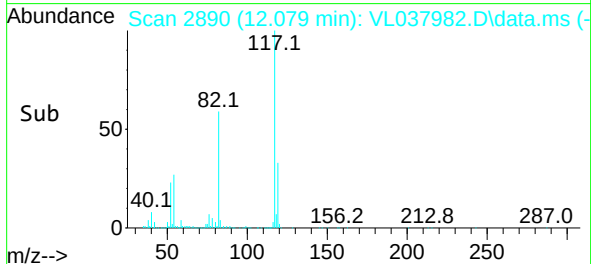
Instrument : MSVOA_L
ClientSampleId : C0U01DUP



Tgt Ion:117 Resp: 297427
Ion Ratio Lower Upper
117 100
82 65.3 51.0 76.6
119 35.0 26.9 40.3

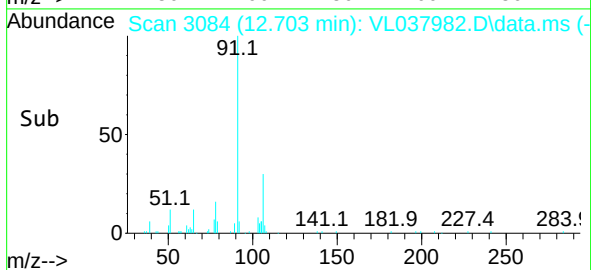
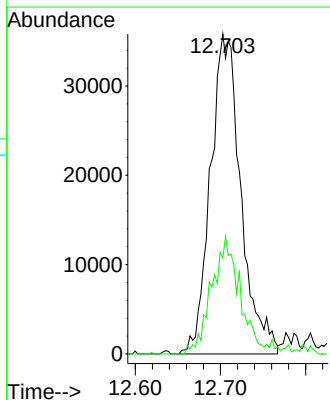
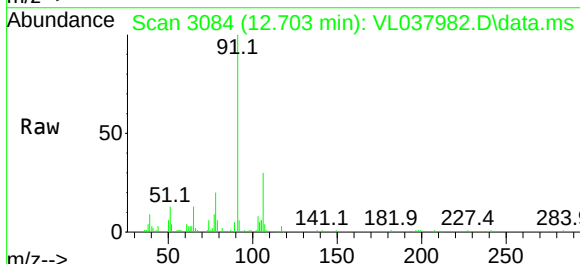
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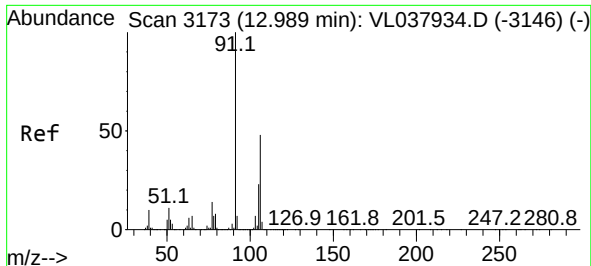
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 0.244 ppbv m
RT: 12.703 min Scan# 3084
Delta R.T. -0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

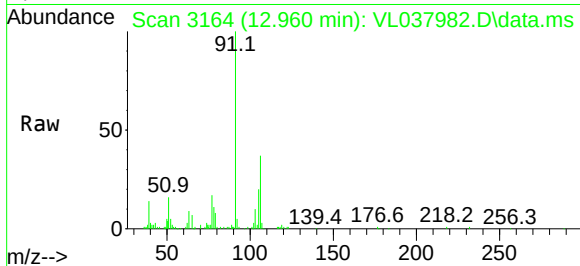
Tgt Ion: 91 Resp: 88593
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7





#59
m/p-Xylene
Concen: 0.542 ppbv m
RT: 12.960 min Scan# 3173
Delta R.T. -0.029 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

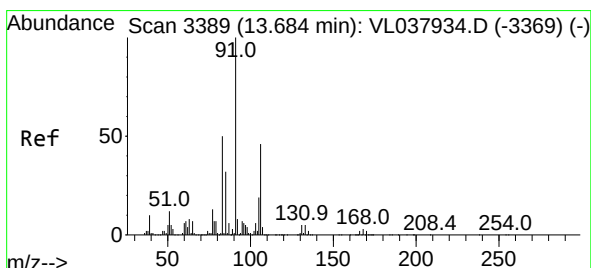
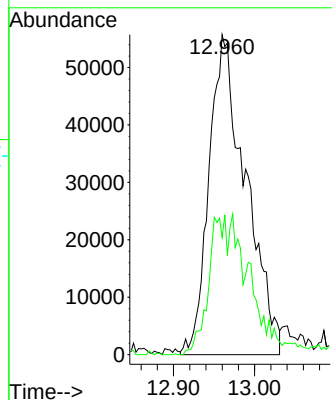
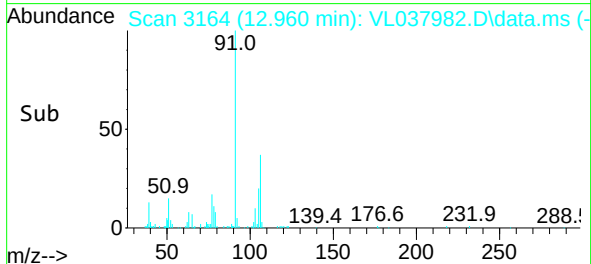
Instrument : MSVOA_L
ClientSampleId : C0U01DUP



Tgt Ion: 91 Resp: 175379
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

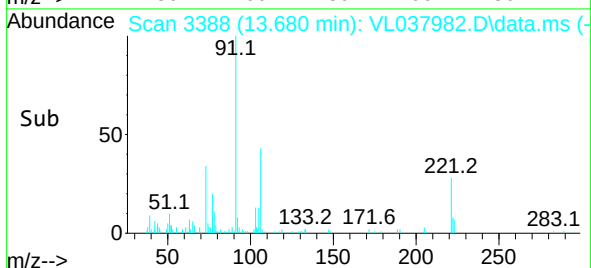
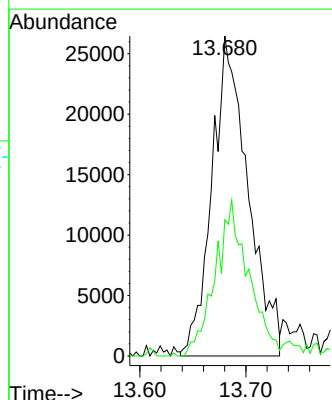
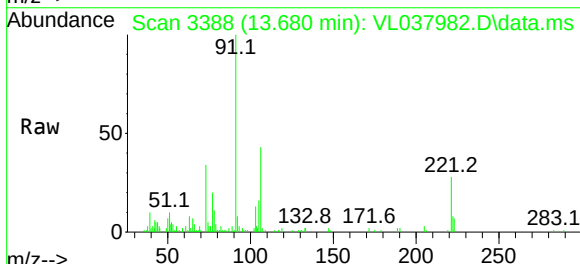
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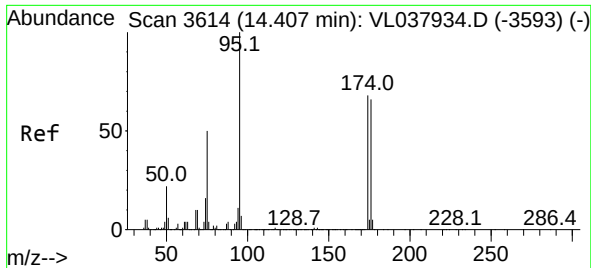
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#60
o-Xylene
Concen: 0.205 ppbv m
RT: 13.680 min Scan# 3388
Delta R.T. -0.003 min
Lab File: VL037982.D
Acq: 9 Nov 2021 16:49

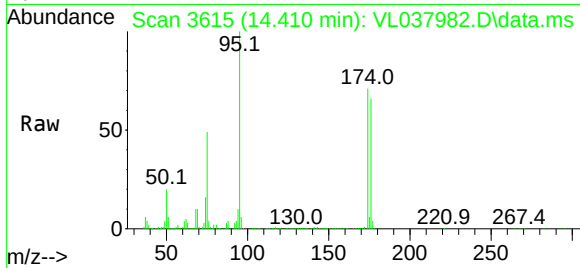
Tgt Ion: 91 Resp: 62382
Ion Ratio Lower Upper
91 100
106 47.9 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.963 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL037982.D
 Acq: 9 Nov 2021 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 C0U01DUP



Tgt Ion: 95 Resp: 2153984

Ion	Ratio	Lower	Upper
95	100		
174	75.9	58.3	87.5
175	5.4	4.6	6.8

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

