

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037994.D
 Acq On : 10 Nov 2021 00:45
 Operator : SY/AP
 Sample : M4555-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU21

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 04:51:06 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 09 04:51:06 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	1285114	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	3661577	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3082346	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2221411	9.915	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.051	85	50819m	0.281	ppbv	
4) Chloromethane	3.147	50	88150	0.970	ppbv	94
9) Propene	3.031	41	79287m	0.924	ppbv	
10) Heptane	8.118	43	21928m	0.110	ppbv	
11) Trichlorofluoromethane	3.951	101	36942	0.205	ppbv	93
13) Ethanol	3.604	45	1118358	129.240	ppbv	92
15) Acetone	3.851	43	1193741	11.241	ppbv	94
19) Isopropyl Alcohol	3.970	45	94802	1.396	ppbv #	1
20) Methylene Chloride	4.346	84	888834	15.246	ppbv	94
26) Hexane	5.687	57	813796	5.446	ppbv #	47
29) Chloroform	5.751	83	151150	0.678	ppbv	97
34) 2-Butanone	5.247	43	101448	0.748	ppbv	93
35) Carbon Tetrachloride	7.009	117	14726m	0.067	ppbv	
36) Benzene	6.883	78	51282m	0.172	ppbv	
52) Tetrachloroethene	11.224	164	4549m	0.040	ppbv	
53) Toluene	9.803	91	301567	0.943	ppbv	96
58) Ethyl Benzene	12.709	91	43436m	0.115	ppbv	
59) m/p-Xylene	12.960	91	98667m	0.294	ppbv	
60) o-Xylene	13.680	91	47394m	0.150	ppbv	

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

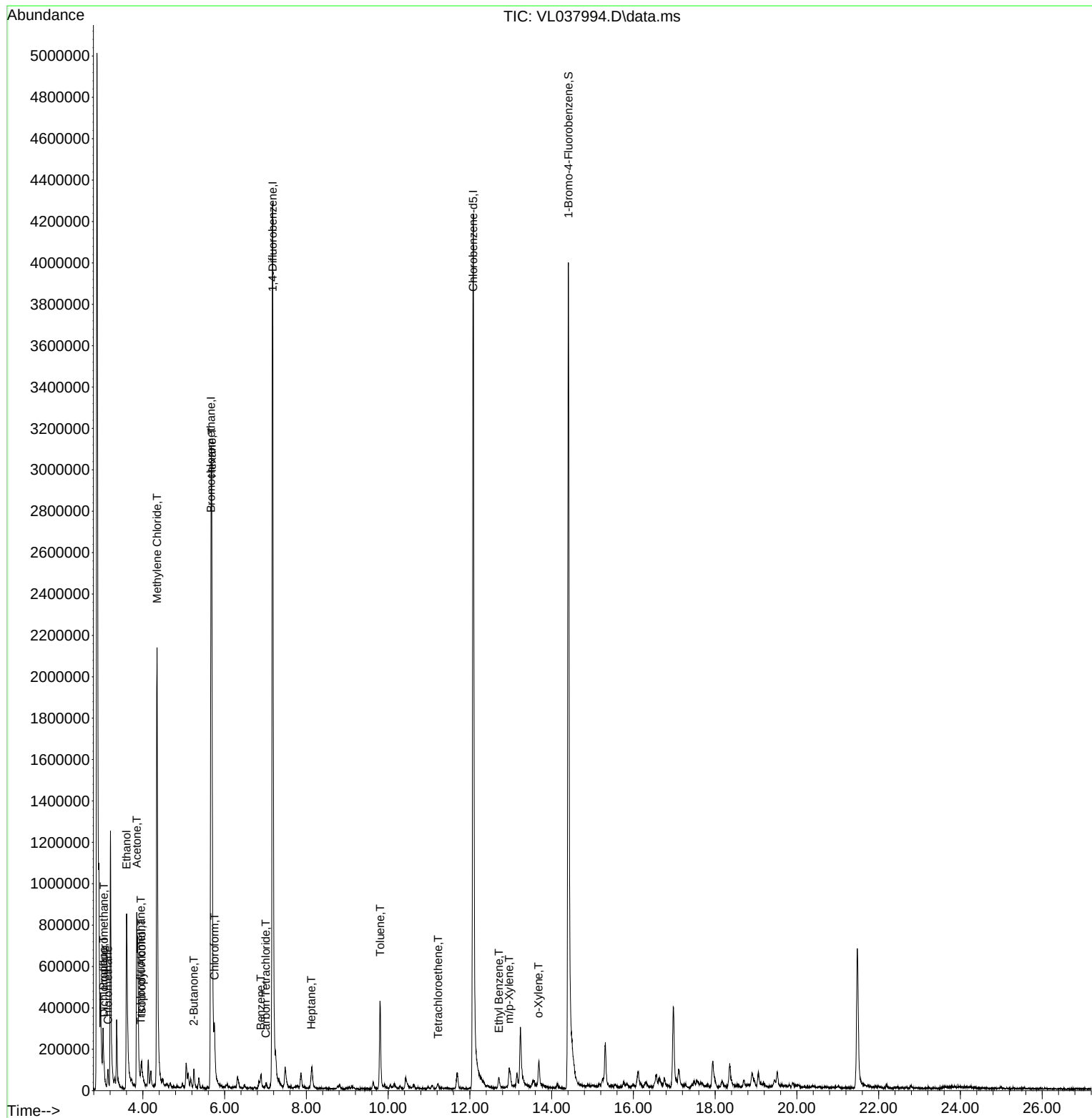
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037994.D
Acq On : 10 Nov 2021 00:45
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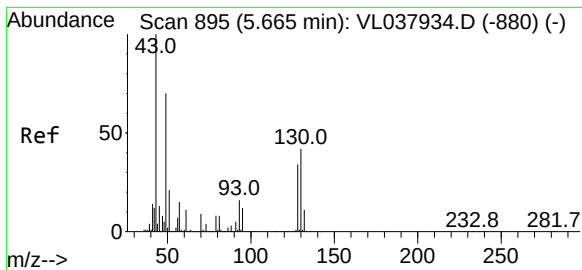
Instrument :
MSVOA_L
ClientSampleId :
C0U21

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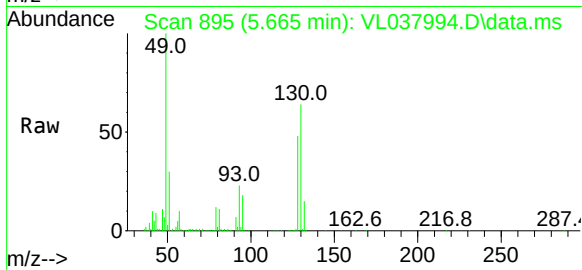
Quant Time: Nov 10 04:51:06 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.665 min Scan# 895
 Delta R.T. 0.000 min
 Lab File: VL037994.D
 Acq: 10 Nov 2021 00:45

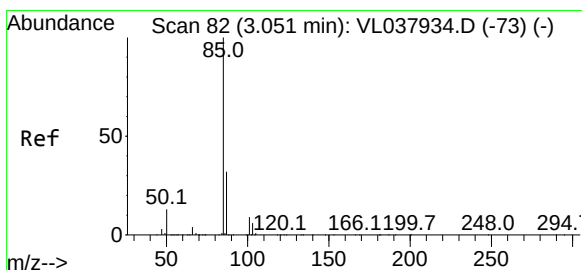
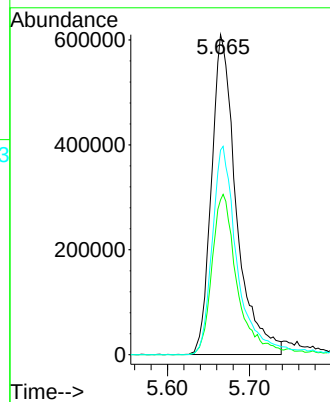
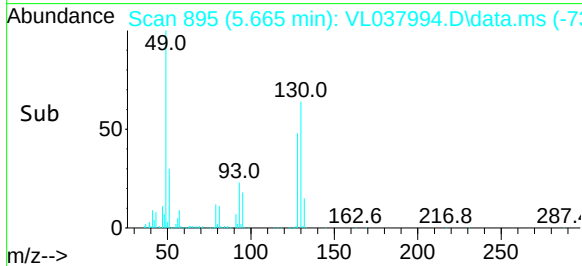
Instrument :
 MSVOA_L
 ClientSampleId :
 C0U21



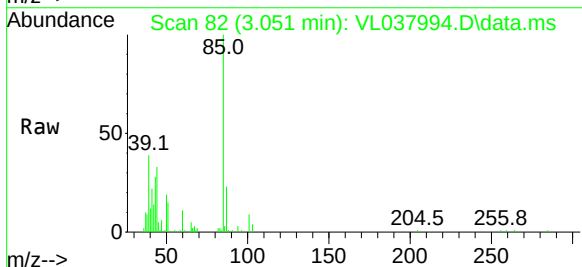
Tgt Ion: 49 Resp: 1285114
 Ion Ratio Lower Upper
 49 100
 128 53.1 27.0 81.0
 130 67.1 33.4 100.2

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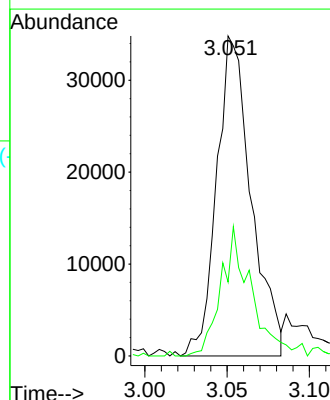
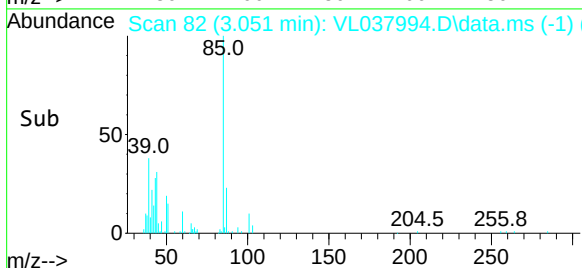
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

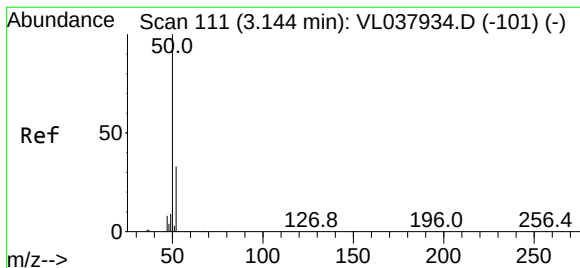


#2
 Dichlorodifluoromethane
 Concen: 0.281 ppbv m
 RT: 3.051 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VL037994.D
 Acq: 10 Nov 2021 00:45



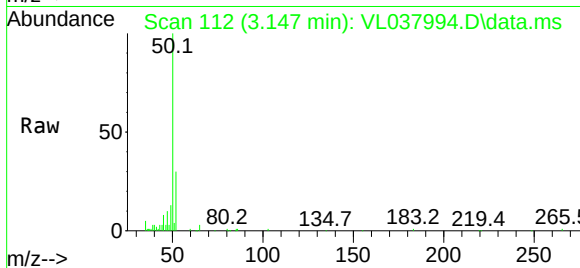
Tgt Ion: 85 Resp: 50819
 Ion Ratio Lower Upper
 85 100
 87 23.1 25.3 37.9#





#4
Chloromethane
Concen: 0.970 ppbv
RT: 3.147 min Scan# 111
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

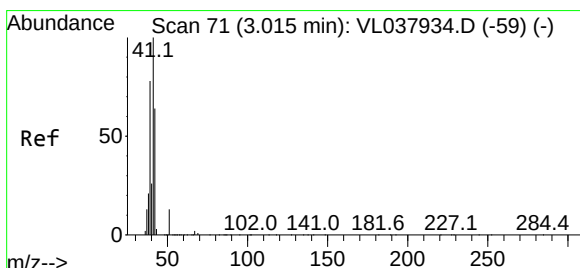
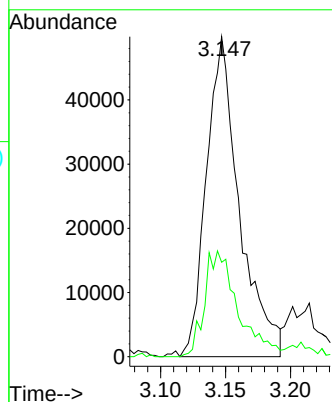
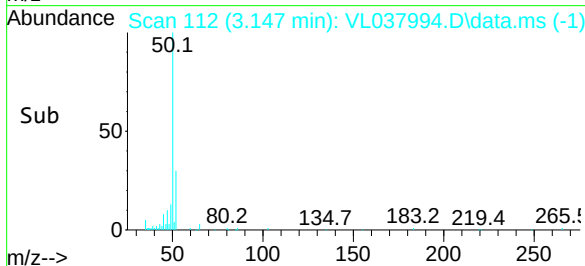
Instrument :
MSVOA_L
ClientSampleId :
C0U21



Tgt Ion: 50 Resp: 88150
Ion Ratio Lower Upper
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52 29.5 26.3 39.5

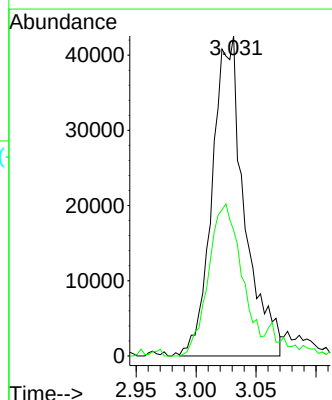
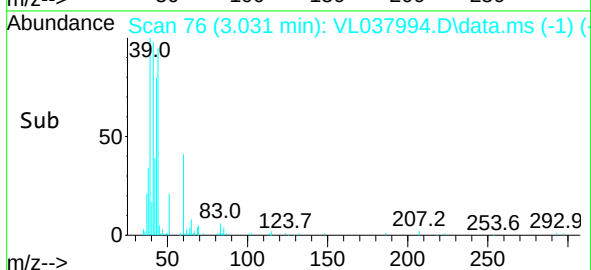
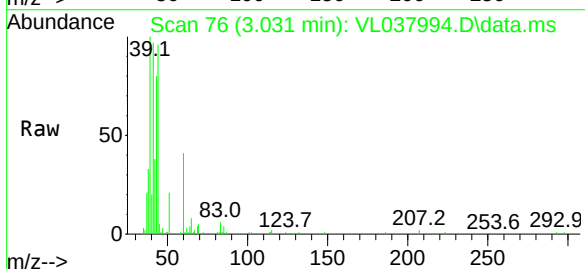
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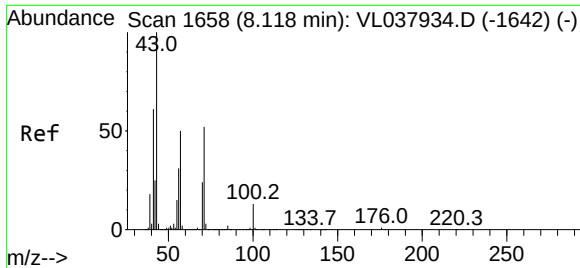
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#9
Propene
Concen: 0.924 ppbv m
RT: 3.031 min Scan# 76
Delta R.T. 0.016 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

Tgt Ion: 41 Resp: 79287
Ion Ratio Lower Upper
41 100
42 371.7 57.6 86.4#





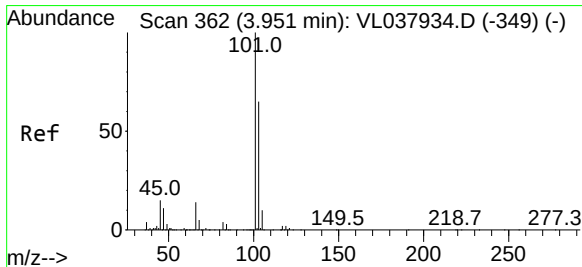
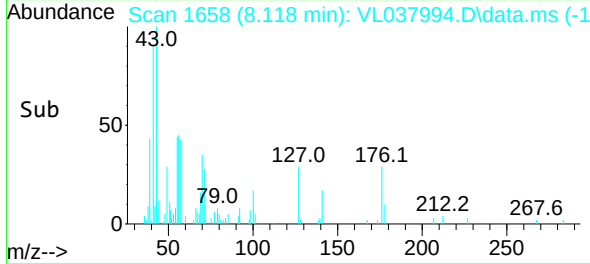
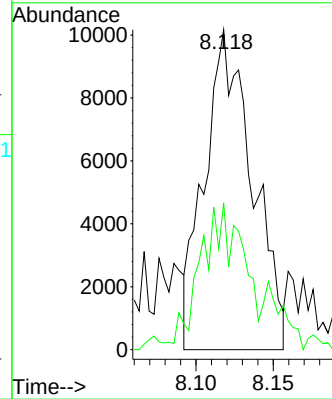
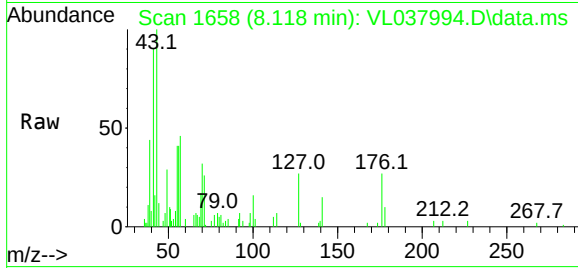
#10
Heptane
Concen: 0.110 ppbv m
RT: 8.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

Instrument :
MSVOA_L
ClientSampleId :
C0U21

Tgt Ion: 43 Resp: 21928
Ion Ratio Lower Upper
43 100
57 51.9 39.8 59.8

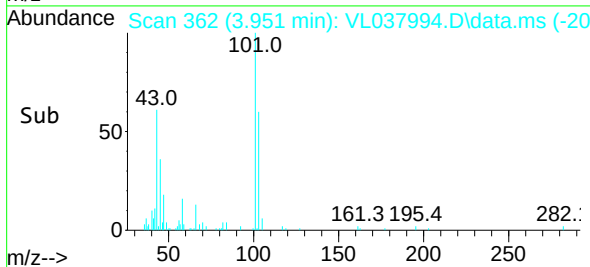
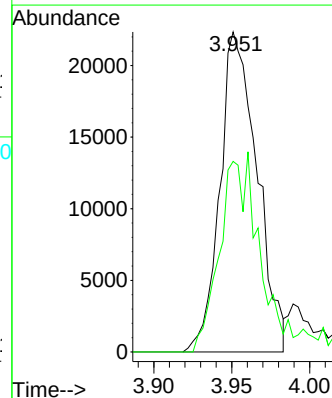
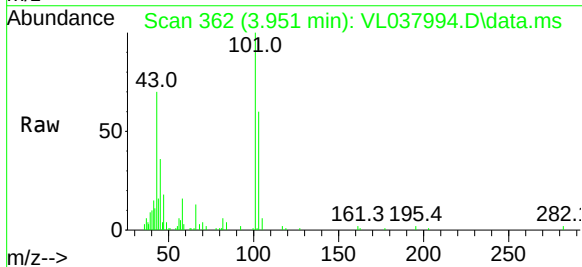
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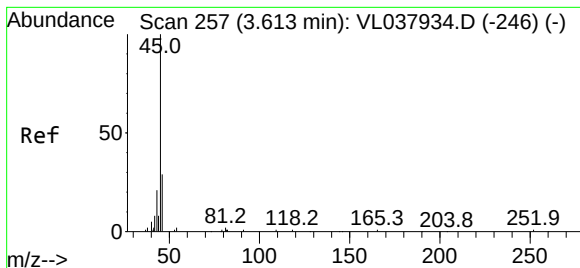
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#11
Trichlorofluoromethane
Concen: 0.205 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.000 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

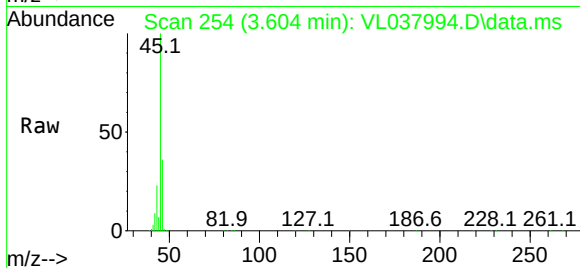
Tgt Ion:101 Resp: 36942
Ion Ratio Lower Upper
101 100
103 59.5 52.0 78.0





#13
Ethanol
Concen: 129.240 ppbv
RT: 3.604 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

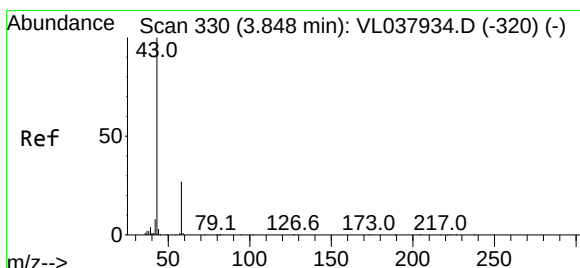
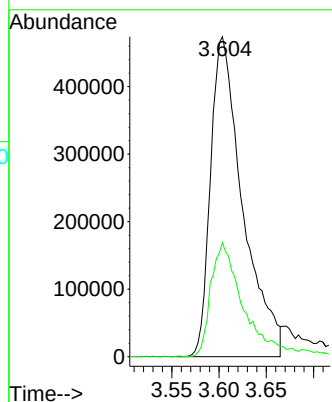
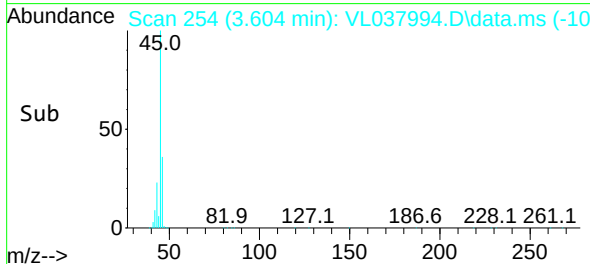
Instrument :
MSVOA_L
ClientSampleId :
C0U21



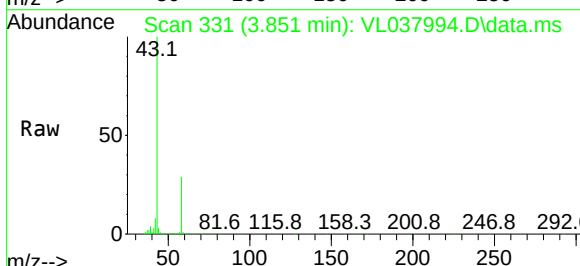
Tgt Ion: 45 Resp: 1118358
Ion Ratio Lower Upper
45 100
46 38.4 17.4 69.8

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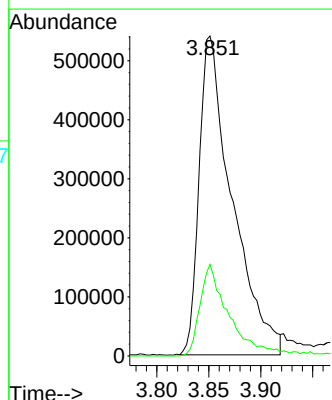
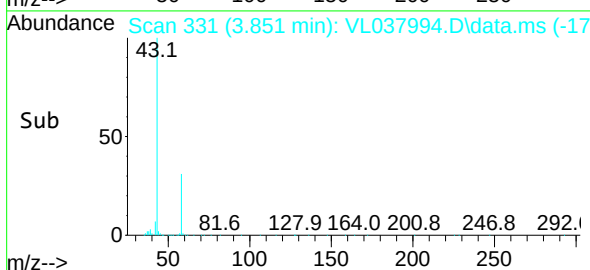
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Supervised By :Mahesh Dadoda 11/17/2021

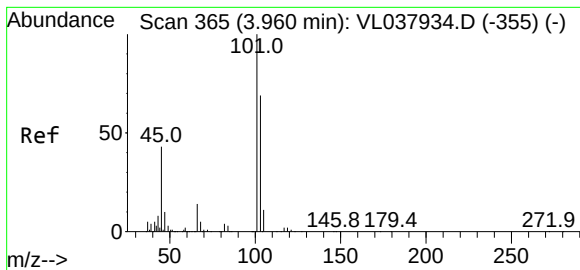


#15
Acetone
Concen: 11.241 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45



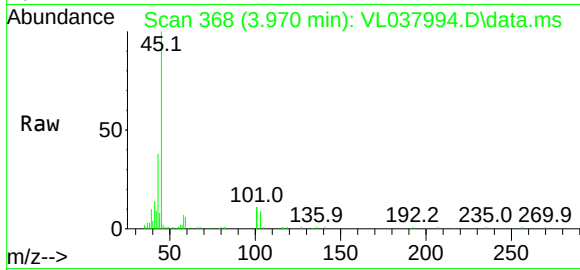
Tgt Ion: 43 Resp: 1193741
Ion Ratio Lower Upper
43 100
58 25.8 23.3 34.9





#19
Isopropyl Alcohol
Concen: 1.396 ppbv
RT: 3.970 min Scan# 30
Delta R.T. 0.010 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

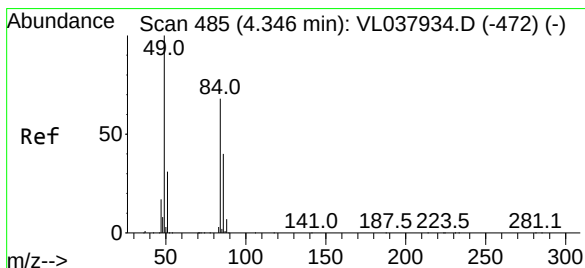
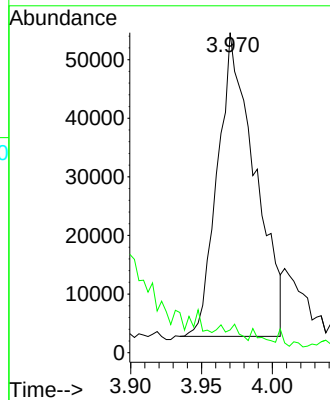
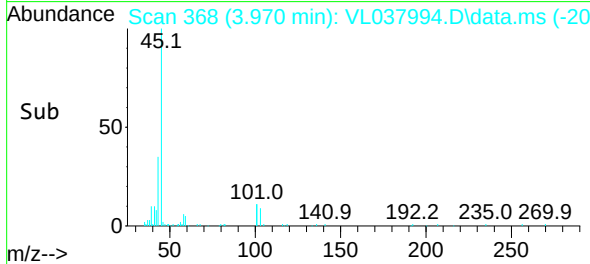
Instrument :
MSVOA_L
ClientSampleId :
C0U21



Tgt Ion: 45 Resp: 9480
Ion Ratio Lower Upper
45 100
58 338.6 4.0 6.0

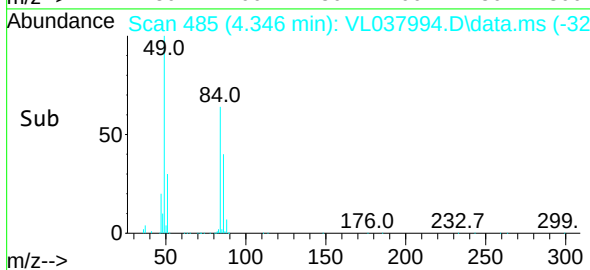
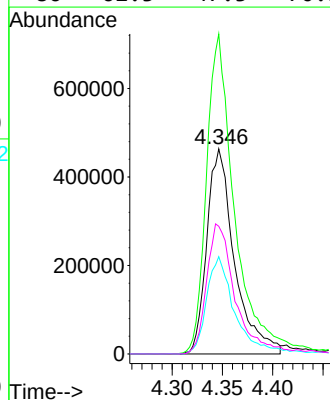
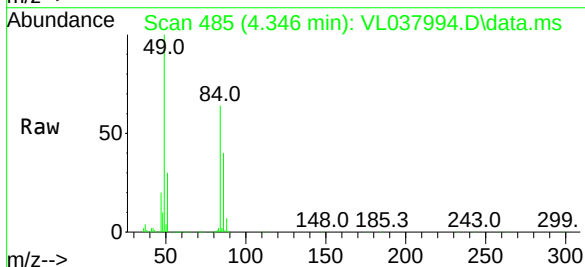
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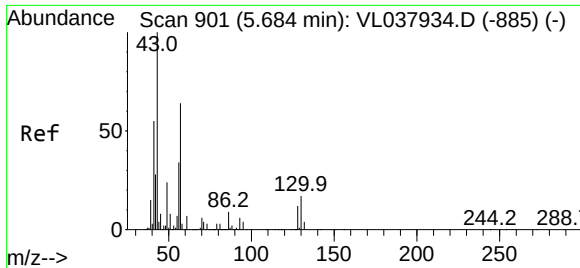
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#20
Methylene Chloride
Concen: 15.246 ppbv
RT: 4.346 min Scan# 485
Delta R.T. 0.000 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

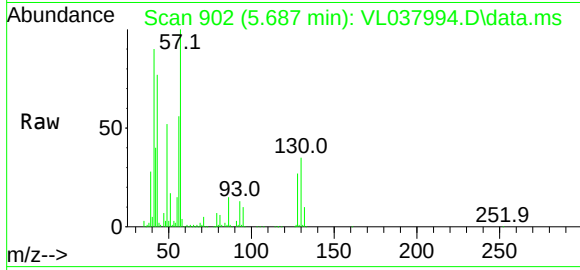
Tgt Ion: 84 Resp: 888834
Ion Ratio Lower Upper
84 100
49 155.7 117.5 176.3
51 47.4 35.9 53.9
86 62.3 47.3 70.9





#26
Hexane
Concen: 5.446 ppbv
RT: 5.687 min Scan# 901
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

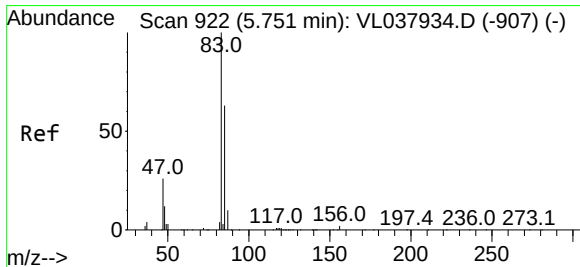
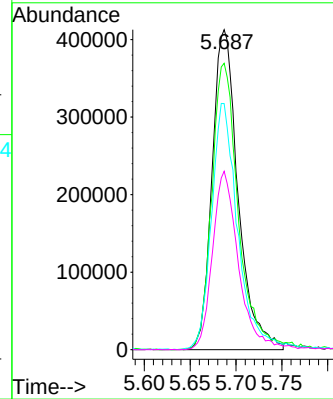
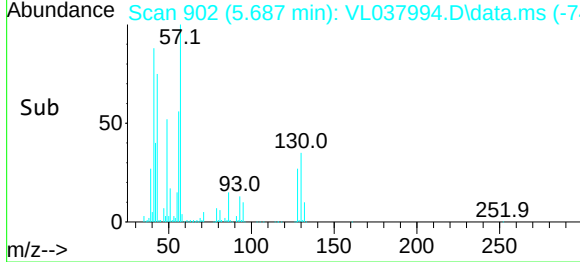
Instrument :
MSVOA_L
ClientSampleId :
C0U21



Tgt Ion: 57 Resp: 813790
Ion Ratio Lower Upper
57 100
41 92.8 71.0 106.6
43 79.1 173.0 259.6
56 56.4 43.6 65.4

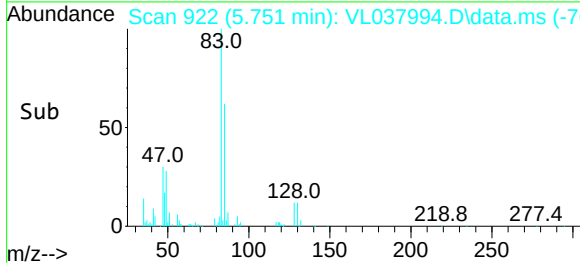
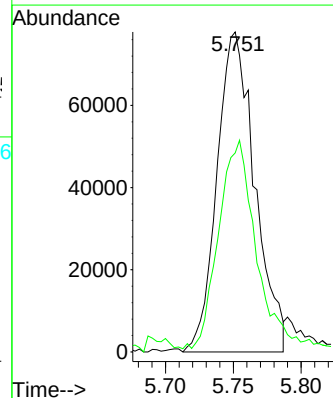
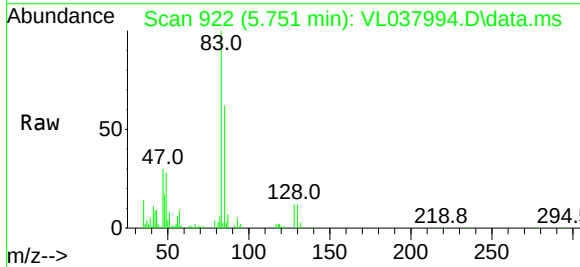
Manual Integrations
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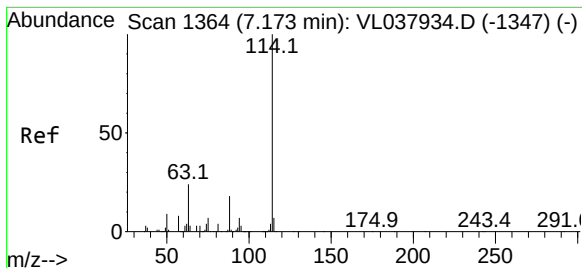
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#29
Chloroform
Concen: 0.678 ppbv
RT: 5.751 min Scan# 922
Delta R.T. 0.000 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

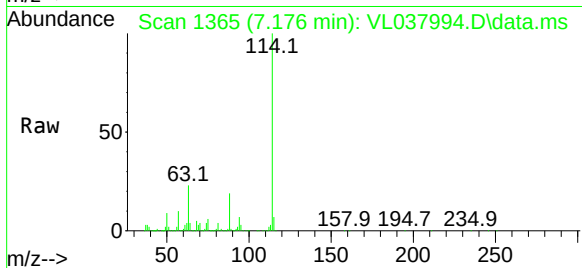
Tgt Ion: 83 Resp: 151150
Ion Ratio Lower Upper
83 100
85 61.2 50.6 76.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

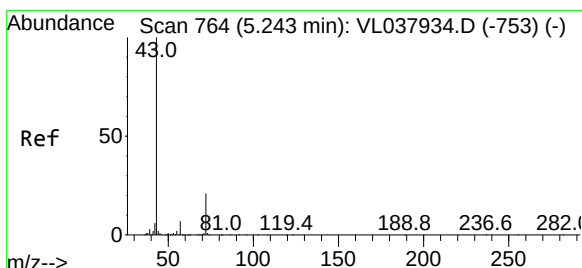
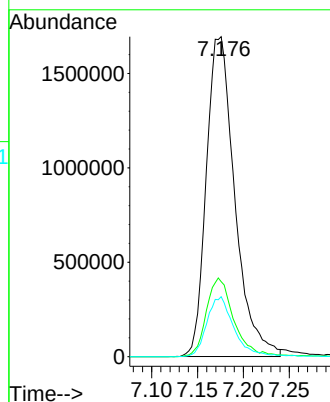
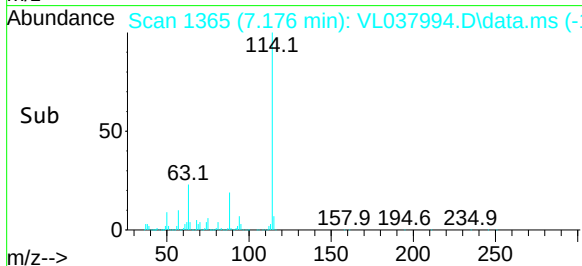
Instrument :
MSVOA_L
ClientSampleId :
C0U21



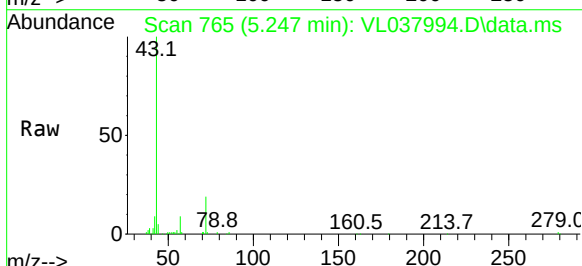
Tgt Ion:114 Resp: 366157
Ion Ratio Lower Upper
114 100
63 24.2 19.4 29.0
88 18.2 14.2 21.4

Manual Integrations
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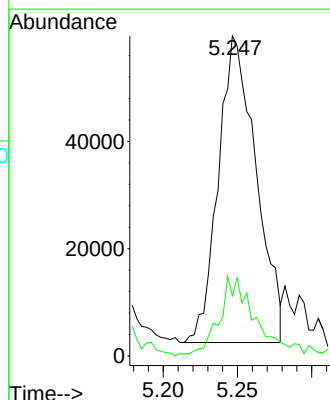
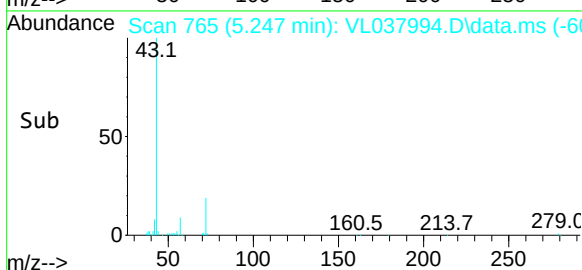
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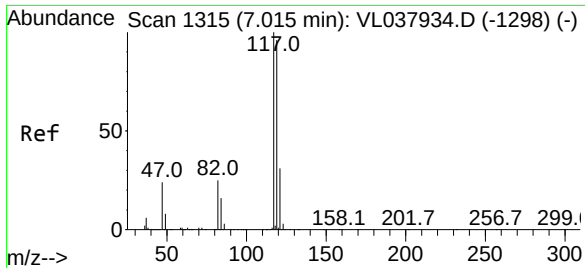


#34
2-Butanone
Concen: 0.748 ppbv
RT: 5.247 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45



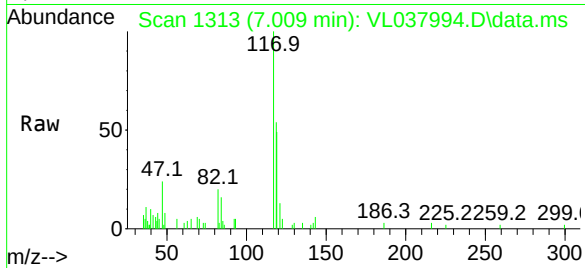
Tgt Ion: 43 Resp: 101448
Ion Ratio Lower Upper
43 100
72 26.1 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.009 min Scan# 117
Delta R.T. -0.006 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

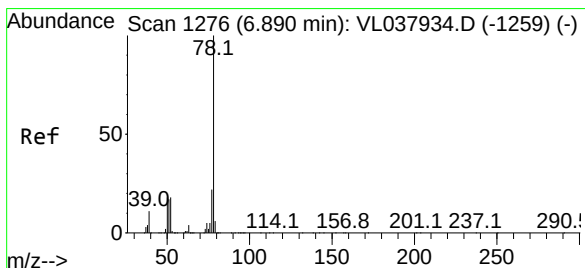
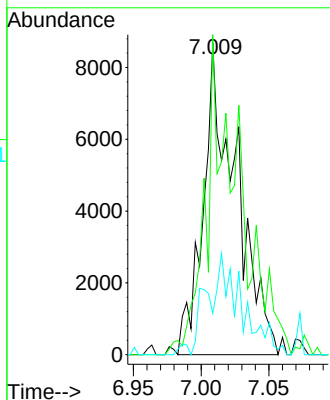
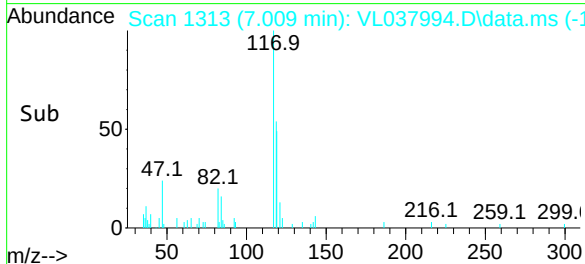
Instrument :
MSVOA_L
ClientSampleId :
C0U21



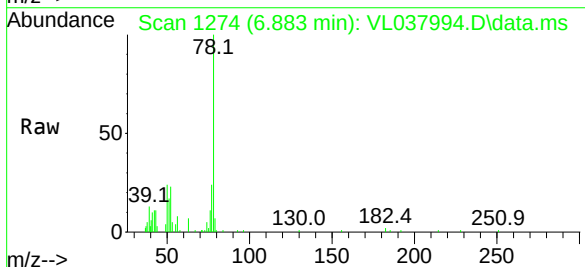
Tgt Ion: 117 Resp: 14720
Ion Ratio Lower Upper
117 100
119 53.7 76.6 114.8
121 13.3 25.1 37.7

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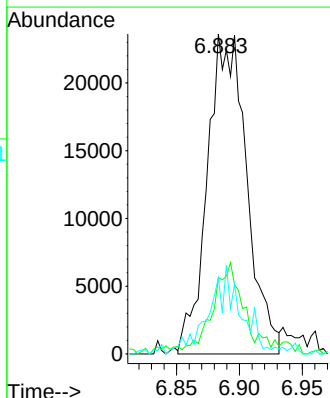
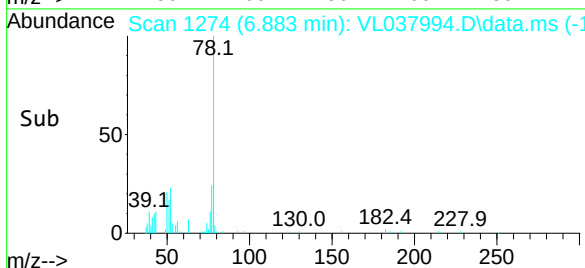
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

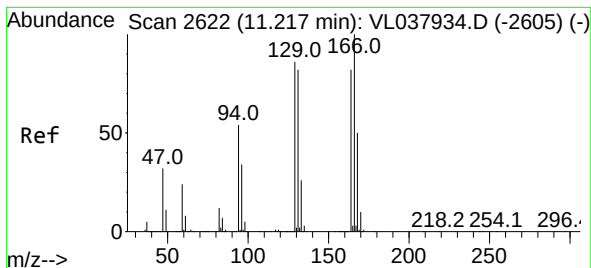


#36
Benzene
Concen: 0.172 ppbv m
RT: 6.883 min Scan# 1274
Delta R.T. -0.006 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45



Tgt Ion: 78 Resp: 51282
Ion Ratio Lower Upper
78 100
77 23.9 17.9 26.9
50 23.8 14.4 21.6





#52

Tetrachloroethene

Concen: 0.040 ppbv m

RT: 11.224 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL037994.D

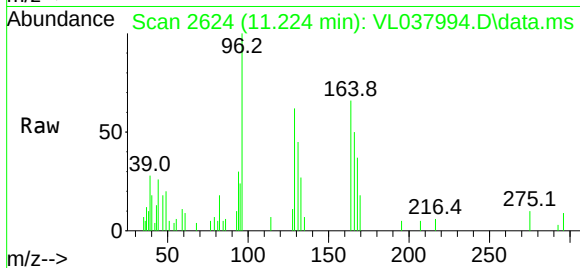
Acq: 10 Nov 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

C0U21

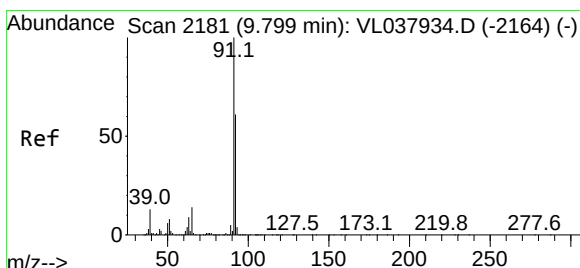
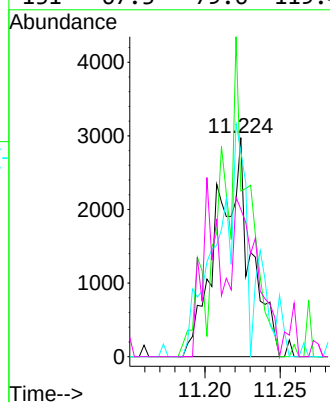
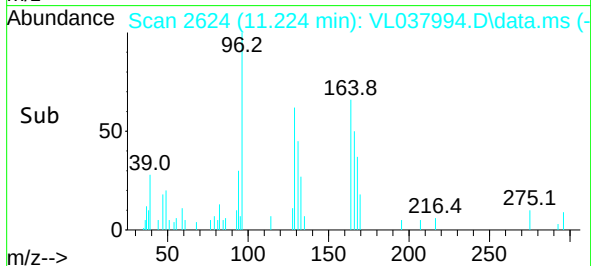


Tgt Ion:	164	Resp:	4549
Ion	Ratio	Lower	Upper
164	100		
166	75.7	97.6	146.4
129	93.8	84.2	126.2
131	67.3	79.6	119.4

Manual Integrations

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



#53

Toluene

Concen: 0.943 ppbv

RT: 9.803 min Scan# 2182

Delta R.T. 0.003 min

Lab File: VL037994.D

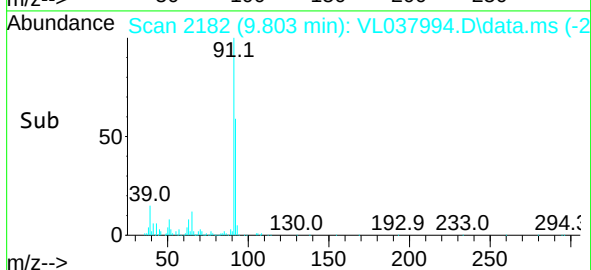
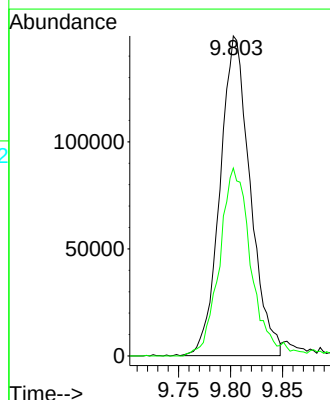
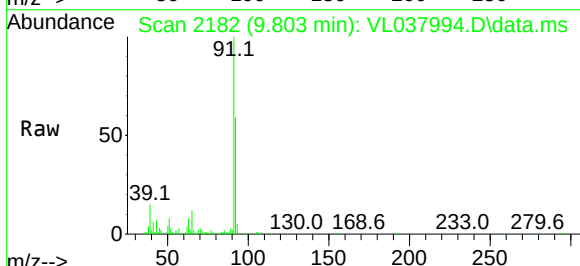
Acq: 10 Nov 2021 00:45

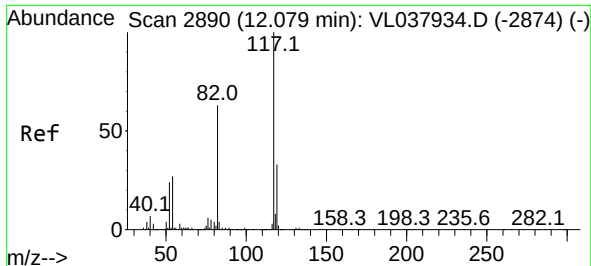
Tgt Ion: 91 Resp: 301567

Ion Ratio Lower Upper

91 100

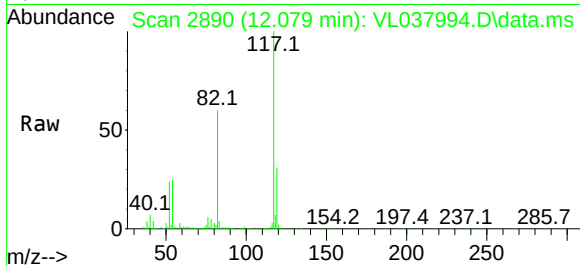
92 63.1 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.079 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

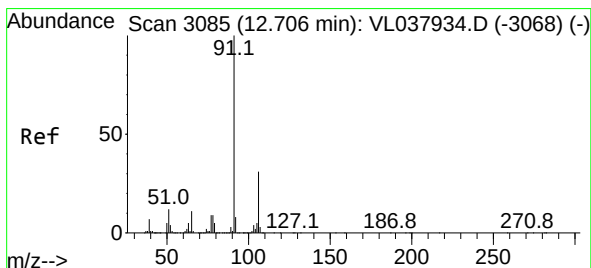
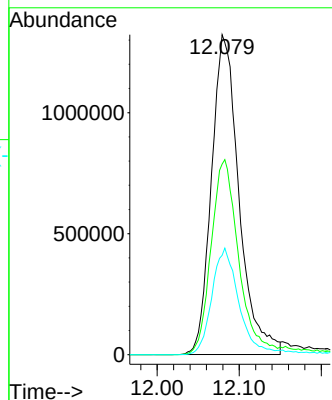
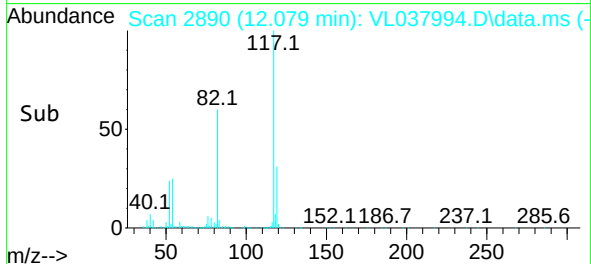
Instrument :
MSVOA_L
ClientSampleId :
C0U21



Tgt Ion:117 Resp: 3082340
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 34.3 26.9 40.3

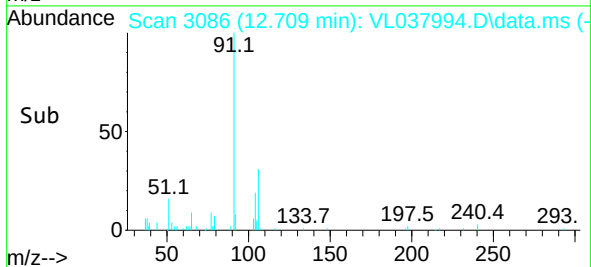
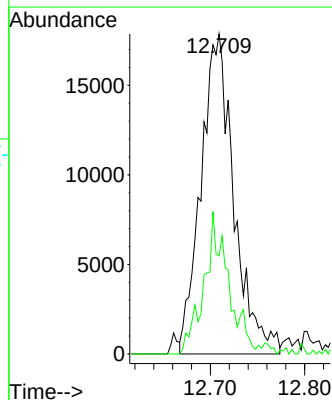
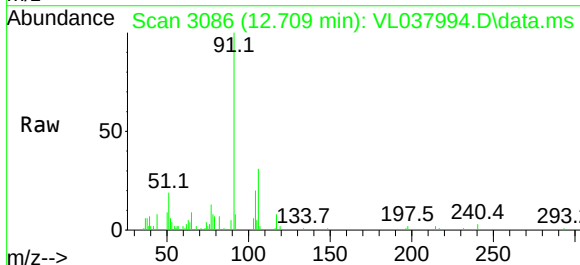
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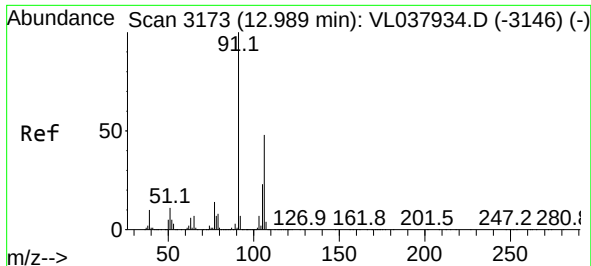
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 0.115 ppbv m
RT: 12.709 min Scan# 3086
Delta R.T. 0.003 min
Lab File: VL037994.D
Acq: 10 Nov 2021 00:45

Tgt Ion: 91 Resp: 43436
Ion Ratio Lower Upper
91 100
106 30.6 25.1 37.7





#59

m/p-Xylene

Concen: 0.294 ppbv m

RT: 12.960 min Scan# 3164

Delta R.T. -0.029 min

Lab File: VL037994.D

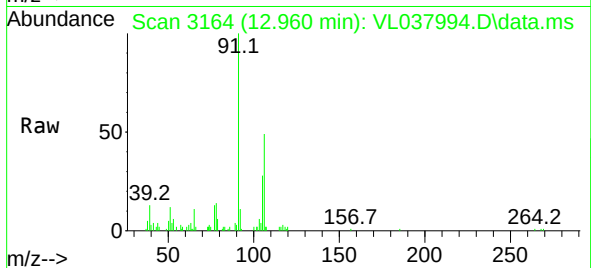
Acq: 10 Nov 2021 00:45

Instrument :

MSVOA_L

ClientSampleId :

C0U21



Tgt Ion: 91 Resp: 9866

Ion Ratio Lower Upper

91 100

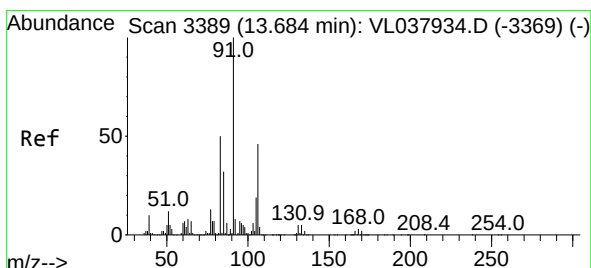
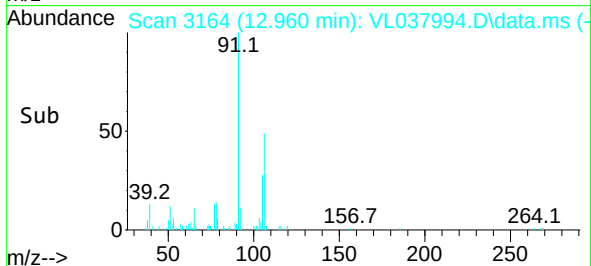
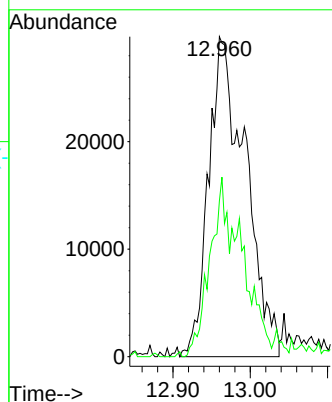
106 0.0 37.1 55.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#60

o-Xylene

Concen: 0.150 ppbv m

RT: 13.680 min Scan# 3388

Delta R.T. -0.003 min

Lab File: VL037994.D

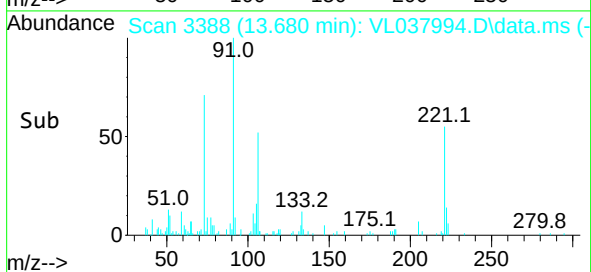
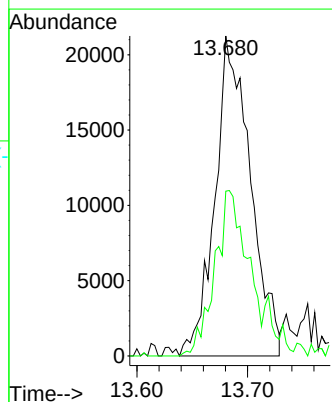
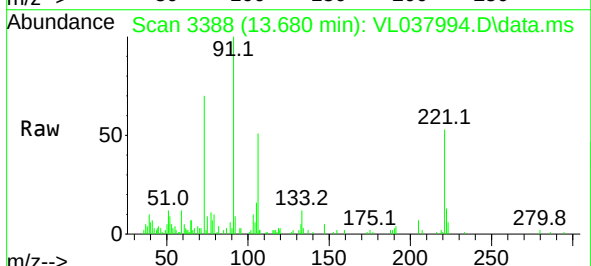
Acq: 10 Nov 2021 00:45

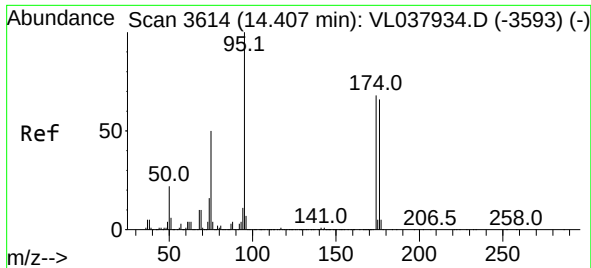
Tgt Ion: 91 Resp: 47394

Ion Ratio Lower Upper

91 100

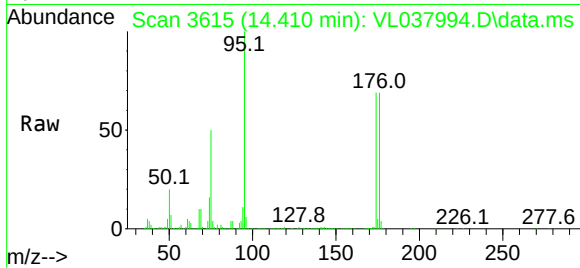
106 54.8 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.915 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL037994.D
 Acq: 10 Nov 2021 00:45

Instrument :
 MSVOA_L
 ClientSampleId :
 C0U21



Tgt Ion: 95 Resp: 222141

Ion	Ratio	Lower	Upper
95	100		
174	74.6	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

