

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041221.D
 Acq On : 6 May 2024 17:00
 Operator : SY/MD
 Sample : P2334-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA03-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:25:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	818706	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2139757	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1979374	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1472830	9.856	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.739	85	42942	0.388	ppbv	98
4) Chloromethane	2.822	50	27552	0.565	ppbv	97
9) Propene	2.716	41	71282	1.465	ppbv #	71
10) Heptane	7.581	43	19233m	0.163	ppbv	
11) Trichlorofluoromethane	3.575	101	30299	0.269	ppbv	85
13) Ethanol	3.253	45	7446042	682.598	ppbv	99
15) Acetone	3.472	43	1340913	13.878	ppbv	99
19) Isopropyl Alcohol	3.591	45	1387720	21.887	ppbv #	44
20) Methylene Chloride	3.944	84	42649	1.269	ppbv	84
25) Ethyl Acetate	5.211	43	435324	2.257	ppbv #	97
26) Hexane	5.218	57	188787	2.194	ppbv	97
34) 2-Butanone	4.796	43	72874	0.669	ppbv	98
35) Carbon Tetrachloride	6.494	117	7956m	0.066	ppbv	
36) Benzene	6.372	78	37722	0.210	ppbv #	92
37) 1,2-Dichloroethane	5.809	62	30929	0.330	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	31227m	0.101	ppbv	
52) Tetrachloroethene	10.622	164	19477m	0.309	ppbv	
53) Toluene	9.224	91	175777	0.844	ppbv	98
58) Ethyl Benzene	12.089	91	24219	0.089	ppbv	100
59) m/p-Xylene	12.339	91	62167m	0.273	ppbv	
60) o-Xylene	13.056	91	20705m	0.097	ppbv	
61) Styrene	12.902	104	9895m	0.088	ppbv	

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

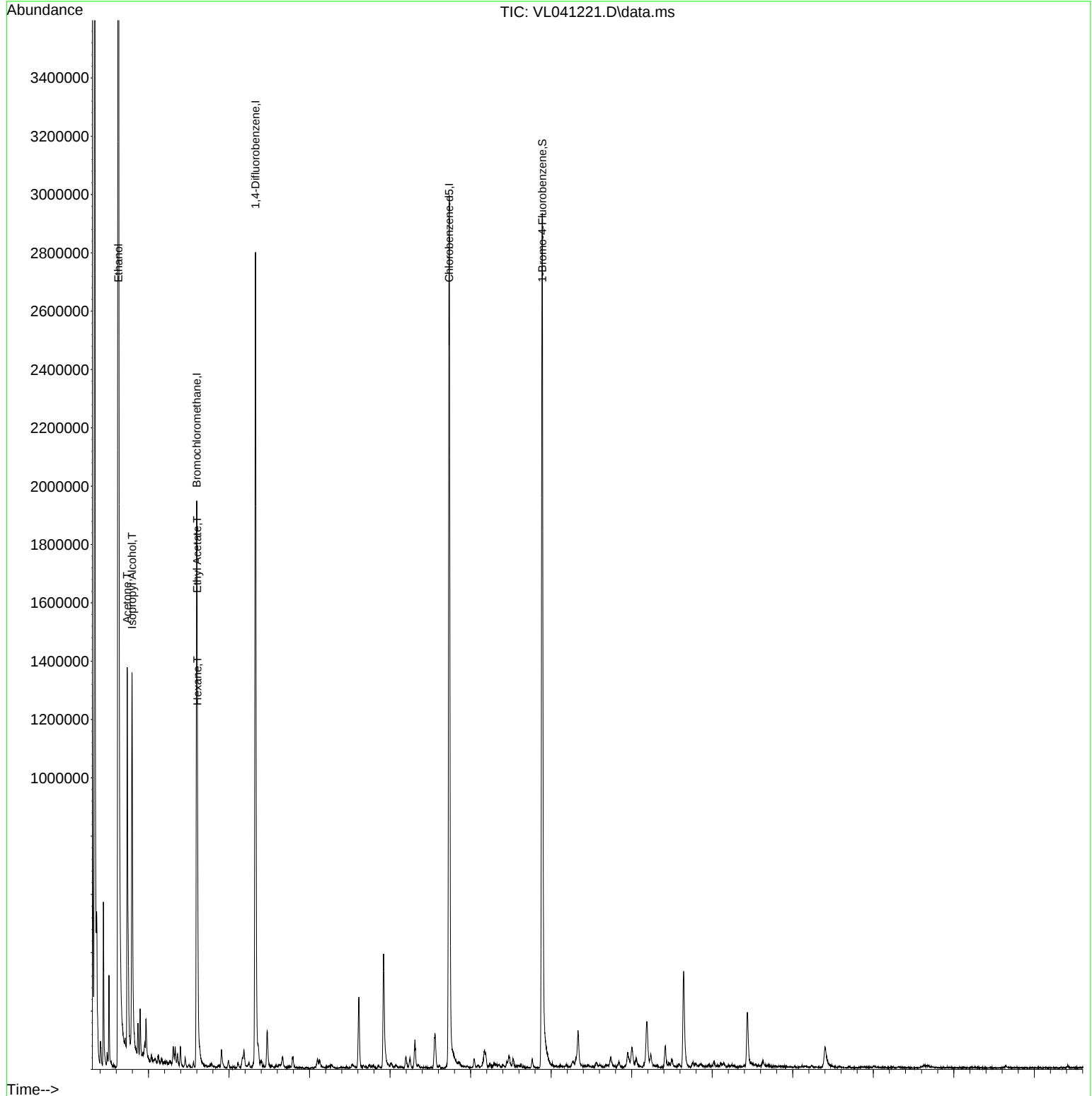
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
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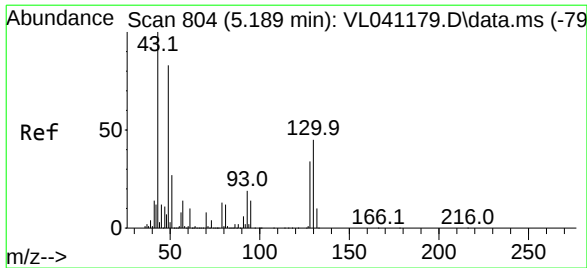
Instrument :
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Quant Time: May 07 05:25:49 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Response via : Initial Calibration





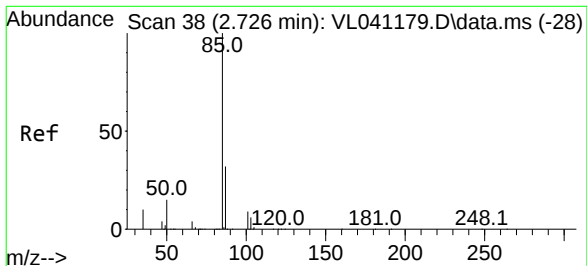
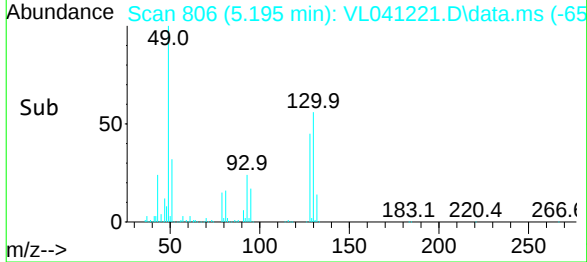
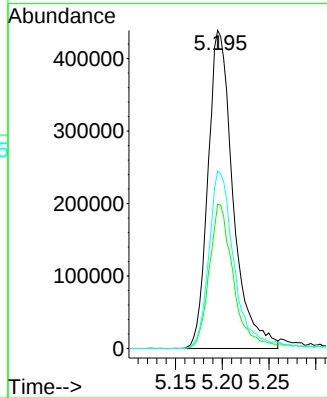
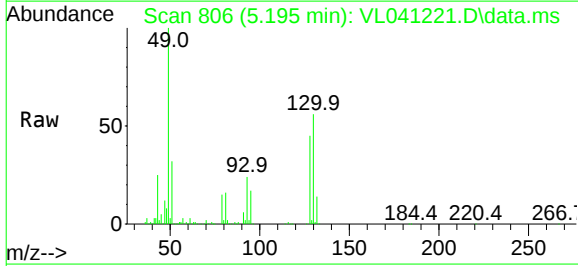
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425

Tgt Ion: 49 Resp: 818706
Ion Ratio Lower Upper
49 100
128 45.4 21.5 64.5
130 57.5 27.2 81.6

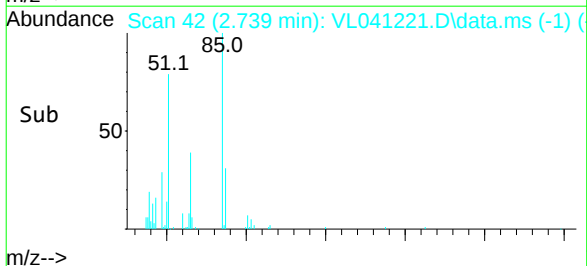
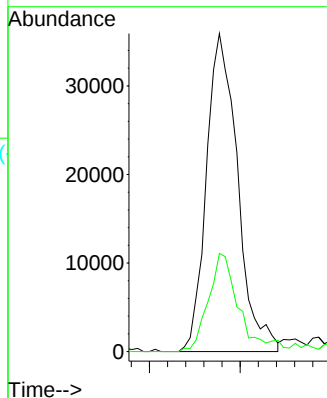
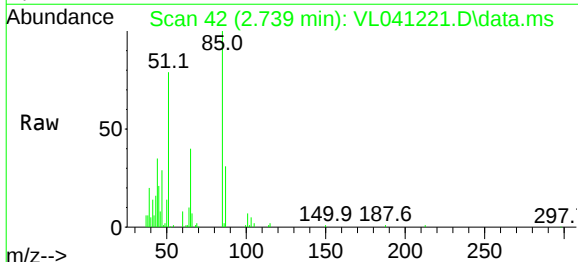
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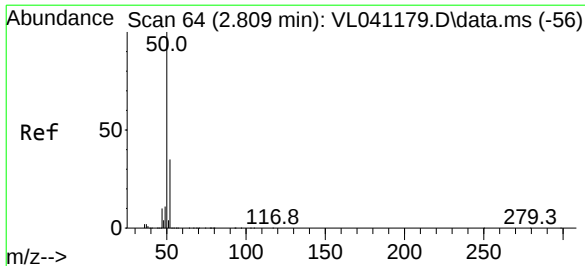
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.388 ppbv
RT: 2.739 min Scan# 42
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

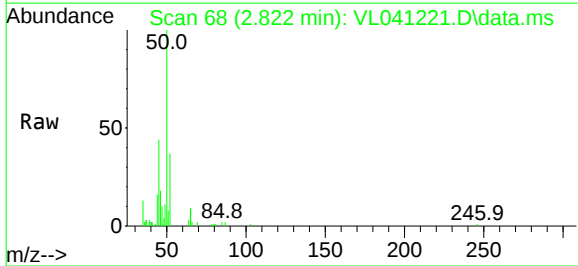
Tgt Ion: 85 Resp: 42942
Ion Ratio Lower Upper
85 100
87 30.9 25.7 38.5





#4
Chloromethane
Concen: 0.565 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

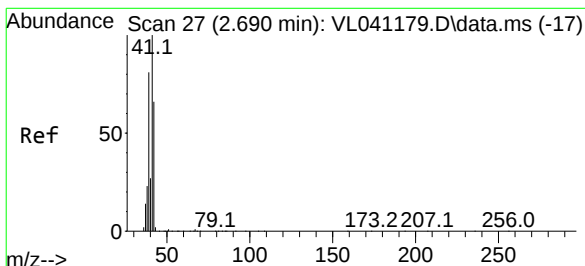
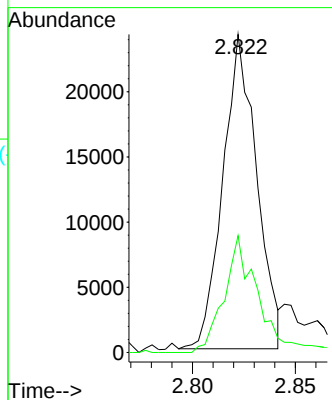
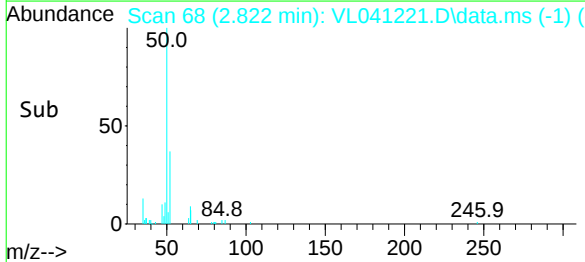
Instrument :
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BA-03-IA03-20240425



Tgt Ion: 50 Resp: 27552
Ion Ratio Lower Upper
50 100
52 37.2 28.3 42.5

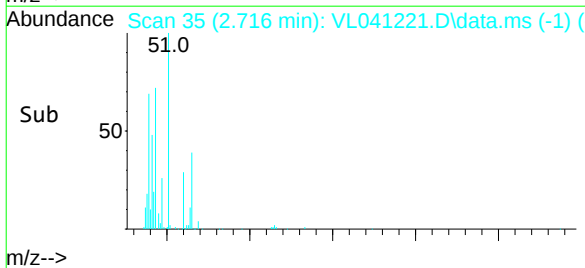
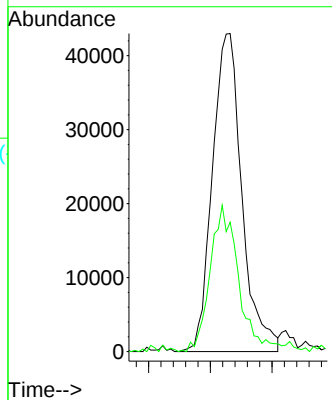
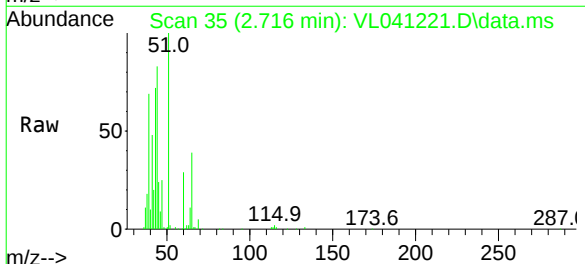
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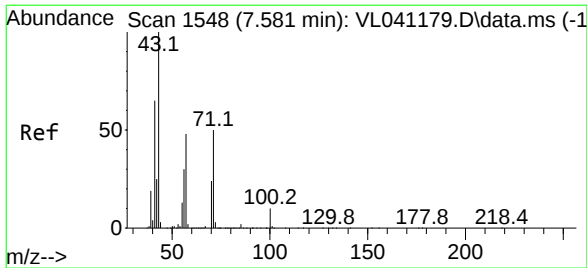
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#9
Propene
Concen: 1.465 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.013 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Tgt Ion: 41 Resp: 71282
Ion Ratio Lower Upper
41 100
42 45.4 55.3 82.9





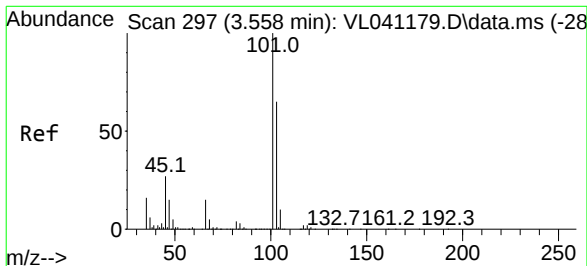
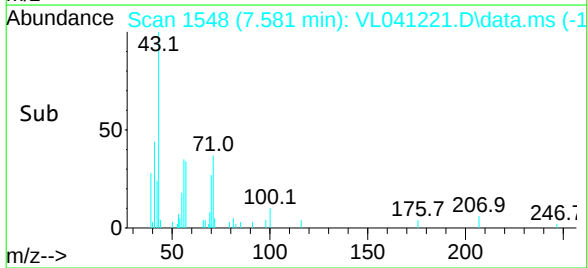
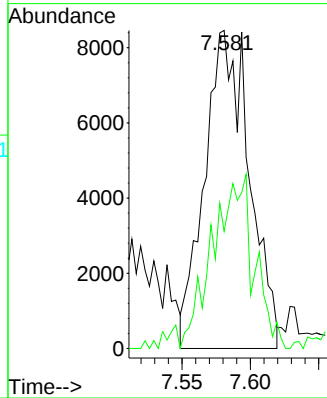
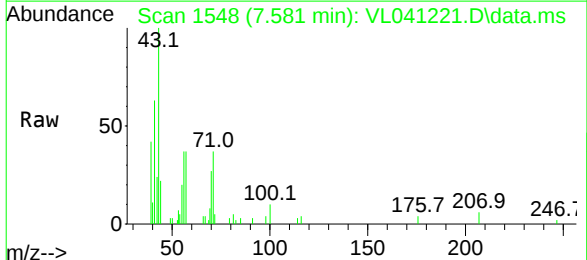
#10
Heptane
Concen: 0.163 ppbv m
RT: 7.581 min Scan# 15
Delta R.T. 0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425

Tgt Ion: 43 Resp: 19233
Ion Ratio Lower Upper
43 100
57 0.0 38.7 58.1#

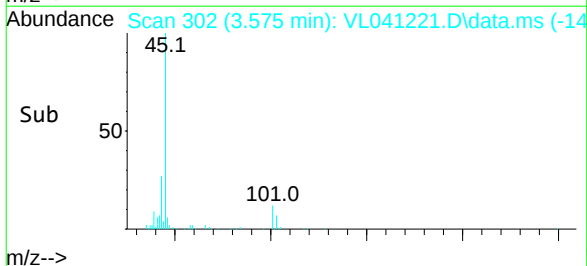
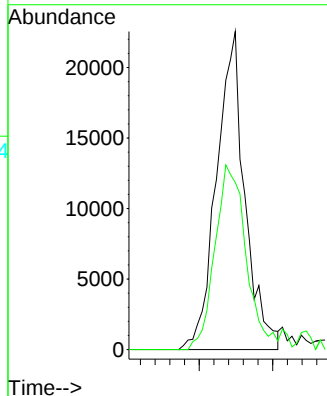
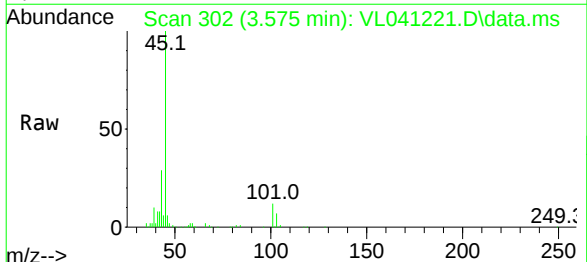
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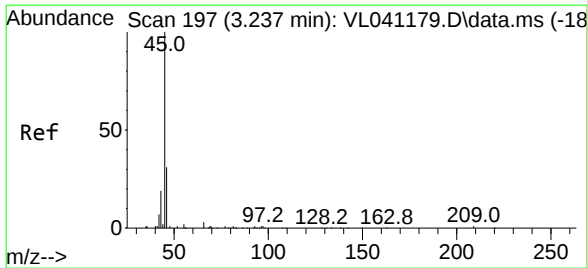
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#11
Trichlorofluoromethane
Concen: 0.269 ppbv
RT: 3.575 min Scan# 302
Delta R.T. 0.007 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

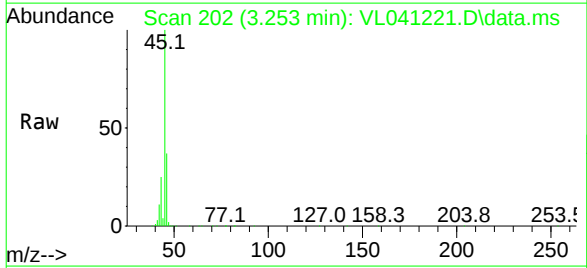
Tgt Ion:101 Resp: 30299
Ion Ratio Lower Upper
101 100
103 52.5 51.6 77.4





#13
Ethanol
Concen: 682.598 ppbv
RT: 3.253 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

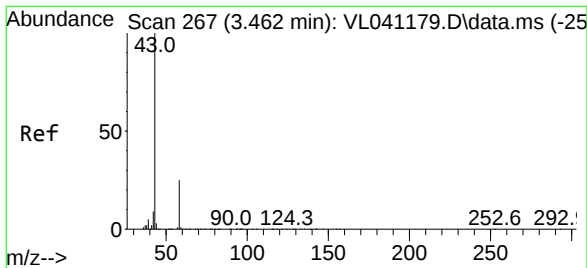
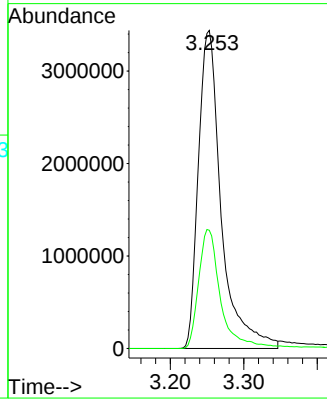
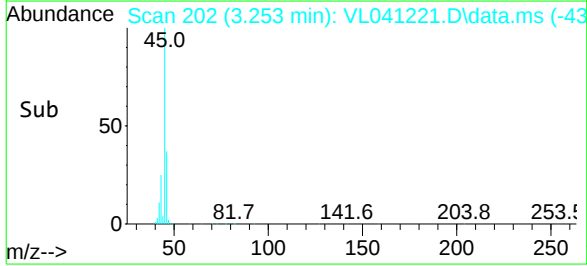
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425



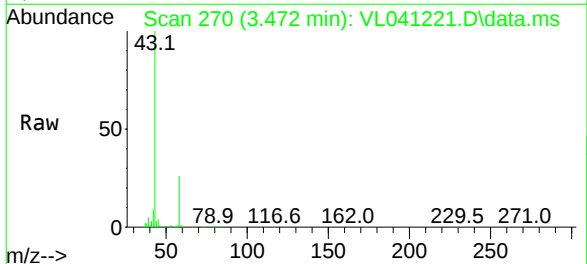
Tgt Ion: 45 Resp: 7446042
Ion Ratio Lower Upper
45 100
46 37.3 14.8 59.0

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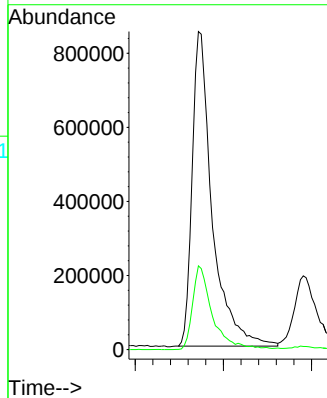
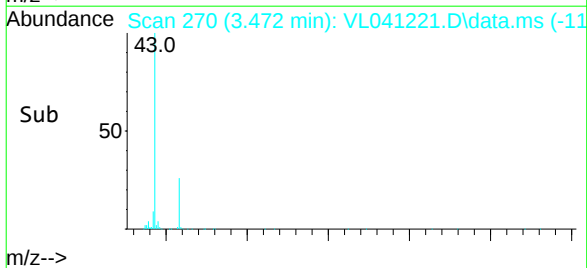
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

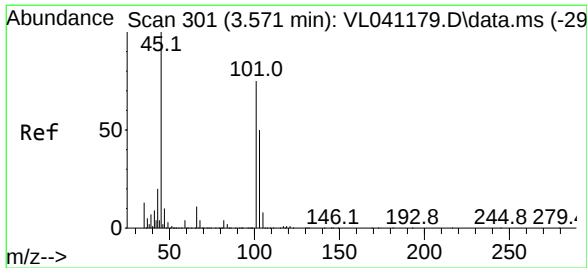


#15
Acetone
Concen: 13.878 ppbv
RT: 3.472 min Scan# 270
Delta R.T. -0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00



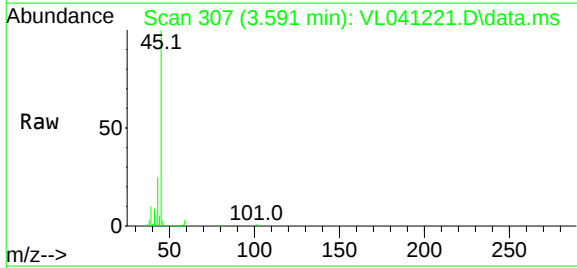
Tgt Ion: 43 Resp: 1340913
Ion Ratio Lower Upper
43 100
58 26.3 21.4 32.0





#19
Isopropyl Alcohol
Concen: 21.887 ppbv
RT: 3.591 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

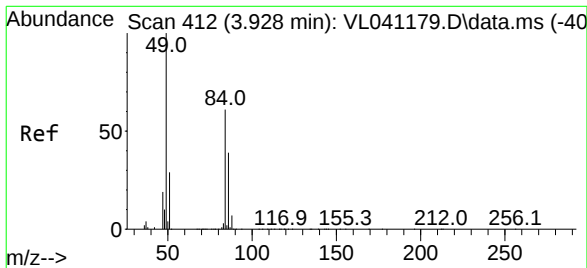
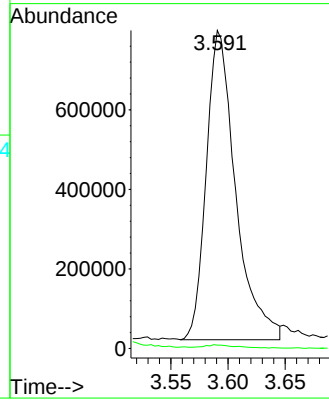
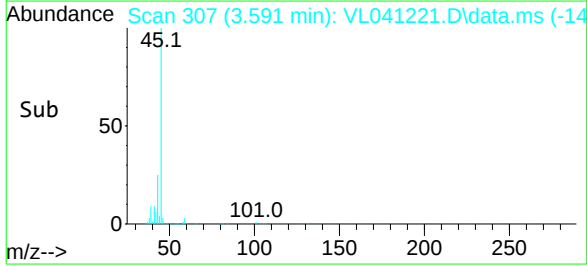
Instrument : MSVOA_L
ClientSampleId : BA-03-IA03-20240425



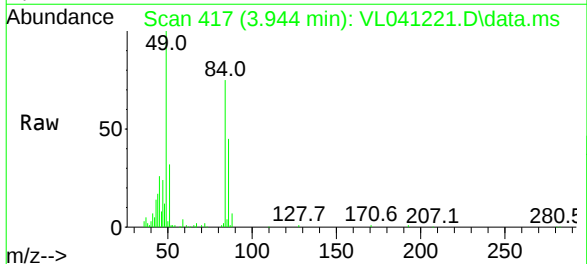
Tgt Ion: 45 Resp: 1387720
Ion Ratio Lower Upper
45 100
58 1.5 26.8 40.2

Manual Integrations
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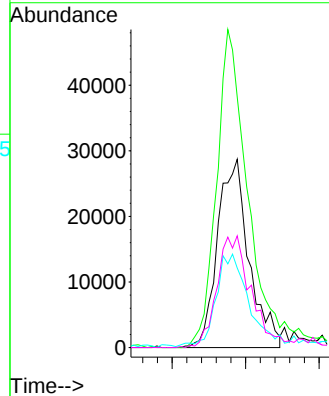
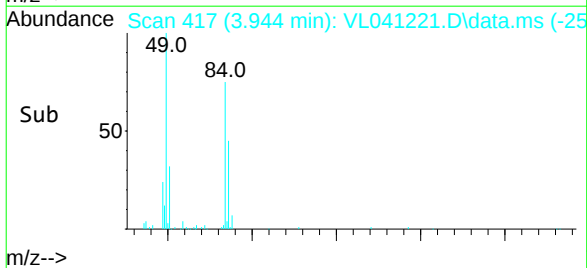
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024

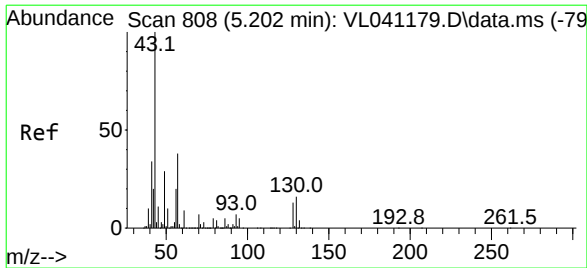


#20
Methylene Chloride
Concen: 1.269 ppbv
RT: 3.944 min Scan# 417
Delta R.T. 0.007 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00



Tgt Ion: 84 Resp: 42649
Ion Ratio Lower Upper
84 100
49 133.0 130.4 195.6
51 40.8 38.0 57.0
86 58.8 50.3 75.5





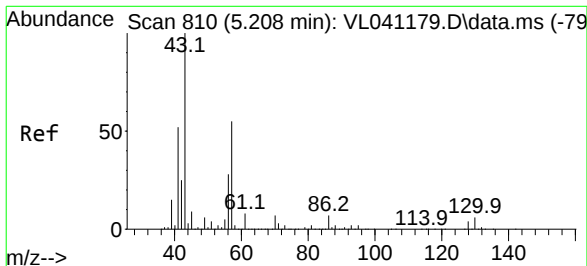
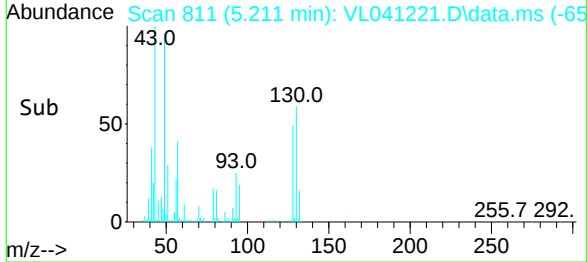
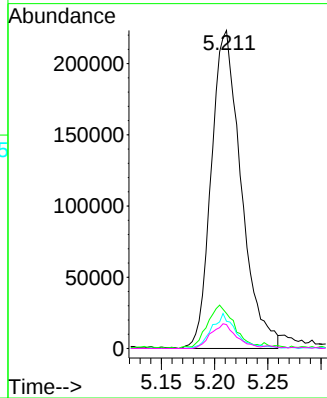
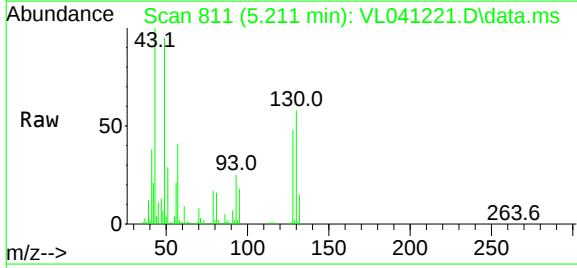
#25
Ethyl Acetate
Concen: 2.257 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425

Tgt Ion	Ratio	Lower	Upper
43	100		
45	13.1	8.2	12.2
61	9.3	7.7	11.5
70	7.3	5.8	8.6

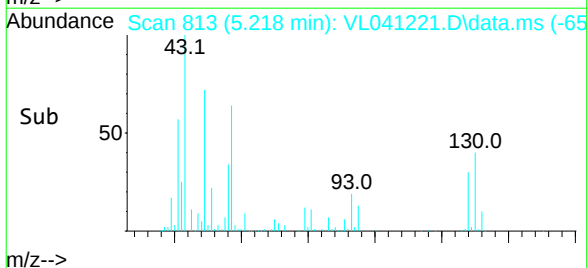
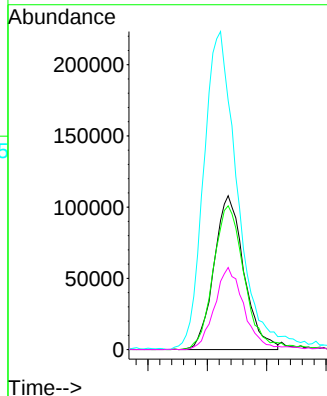
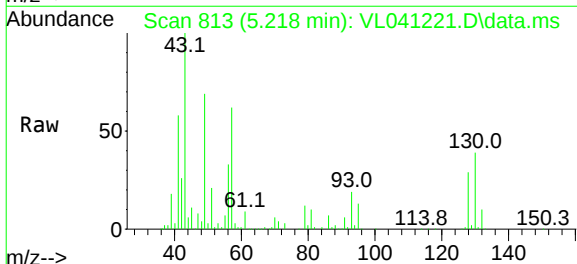
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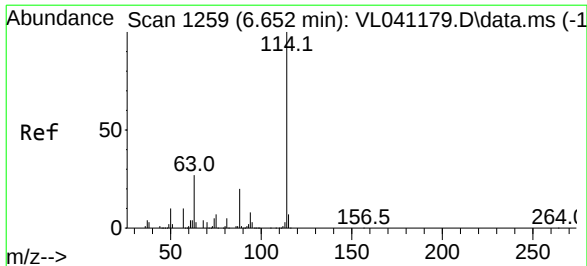
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#26
Hexane
Concen: 2.194 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

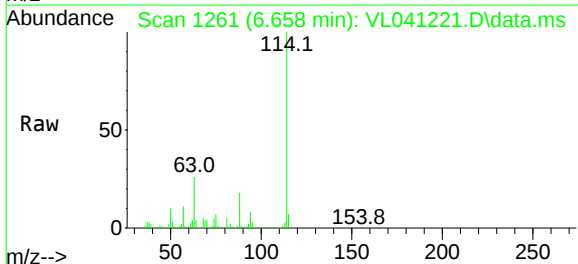
Tgt Ion	Ratio	Lower	Upper
57	100		
41	99.1	75.8	113.8
43	238.8	187.0	280.4
56	53.8	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

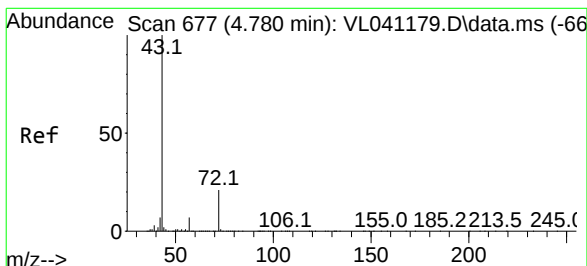
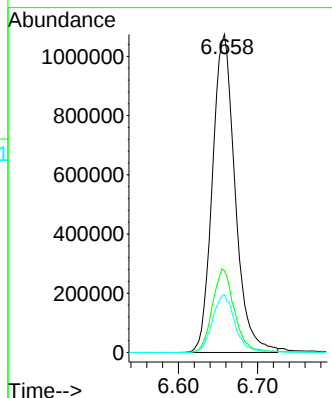
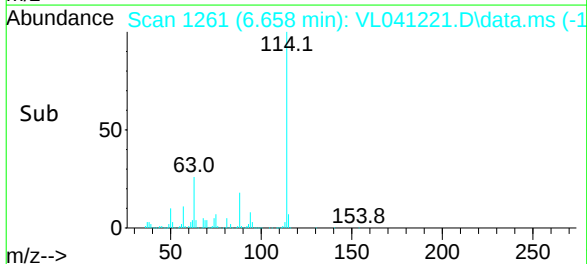
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425



Tgt Ion:114 Resp: 2139757
Ion Ratio Lower Upper
114 100
63 25.9 21.8 32.6
88 18.1 15.2 22.8

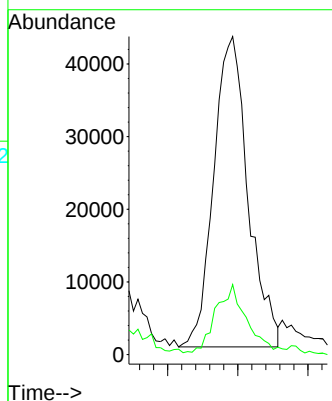
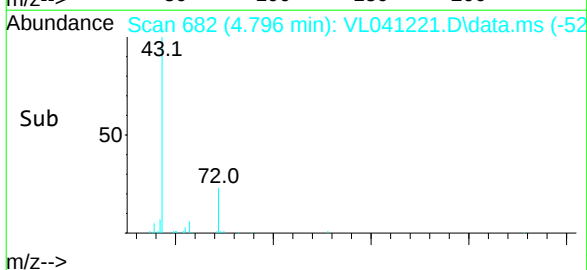
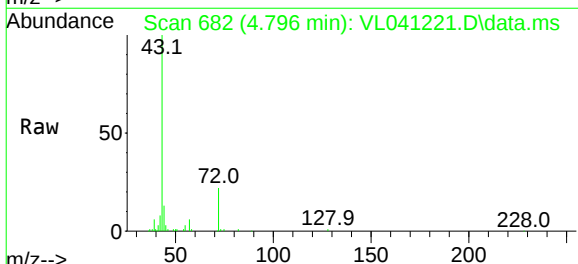
Manual Integrations
APPROVED

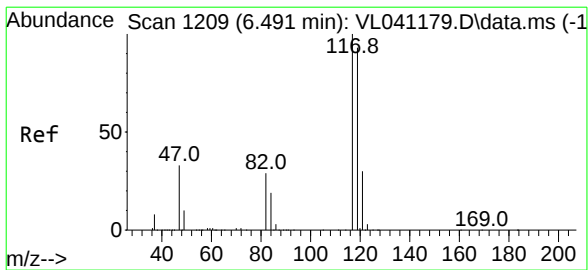
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#34
2-Butanone
Concen: 0.669 ppbv
RT: 4.796 min Scan# 682
Delta R.T. 0.010 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

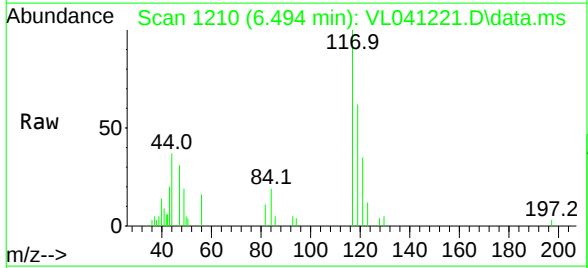
Tgt Ion: 43 Resp: 72874
Ion Ratio Lower Upper
43 100
72 22.3 17.3 25.9





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

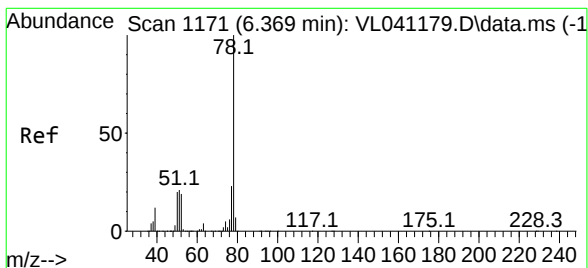
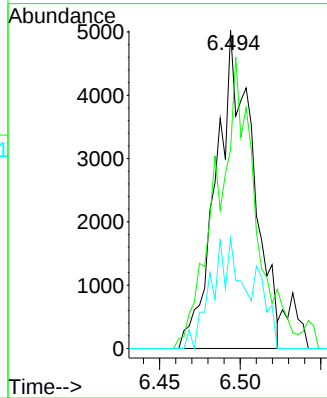
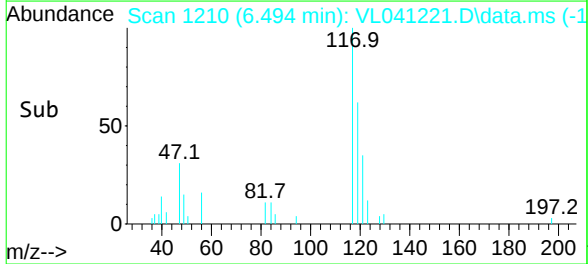
Instrument : MSVOA_L
ClientSampleId : BA-03-IA03-20240425



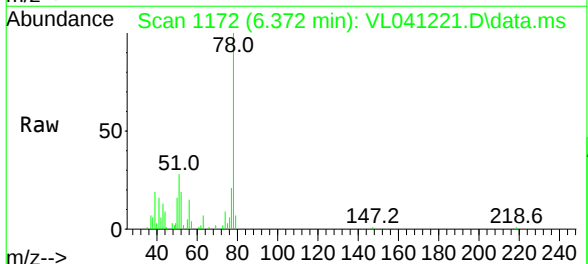
Tgt Ion: 117 Resp: 7956
Ion Ratio Lower Upper
117 100
119 62.5 74.3 111.5#
121 34.7 23.8 35.8

Manual Integrations
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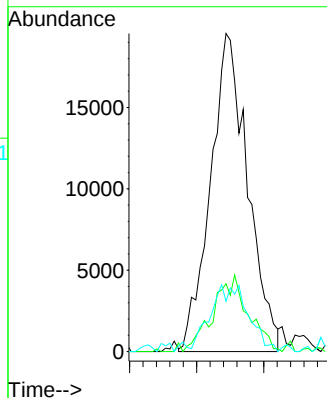
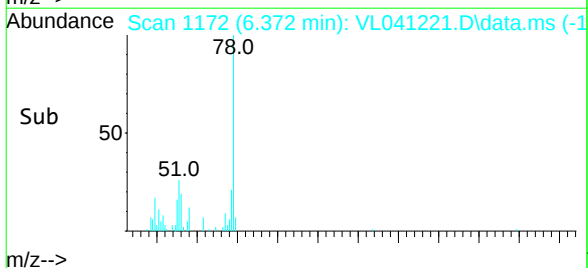
Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024

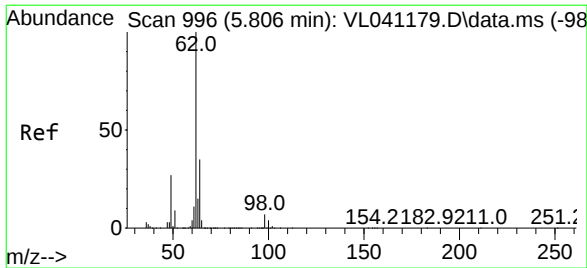


#36
Benzene
Concen: 0.210 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00



Tgt Ion: 78 Resp: 37722
Ion Ratio Lower Upper
78 100
77 20.6 18.3 27.5
50 14.4 15.9 23.9#





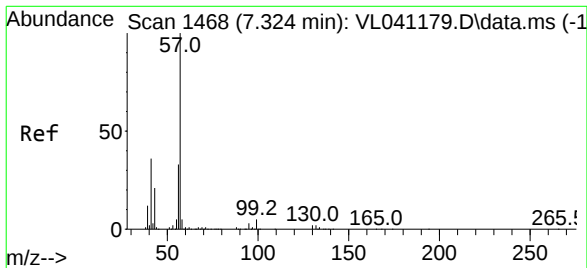
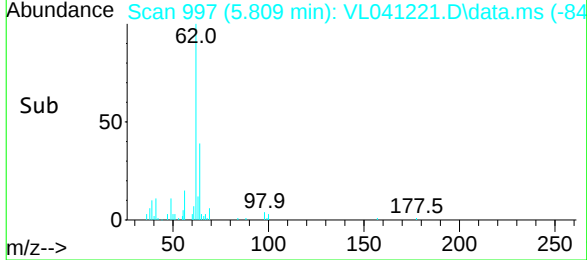
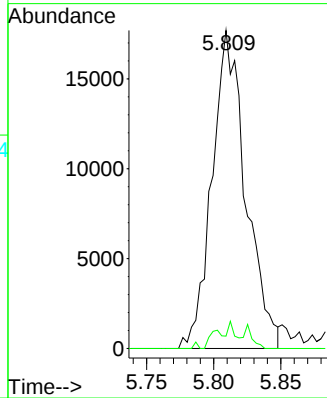
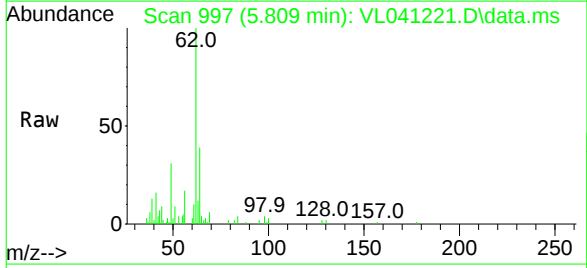
#37
1,2-Dichloroethane
Concen: 0.330 ppbv
RT: 5.809 min Scan# 996
Delta R.T. 0.000 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425

Tgt Ion: 62 Resp: 30929
Ion Ratio Lower Upper
62 100
98 6.3 5.0 7.4

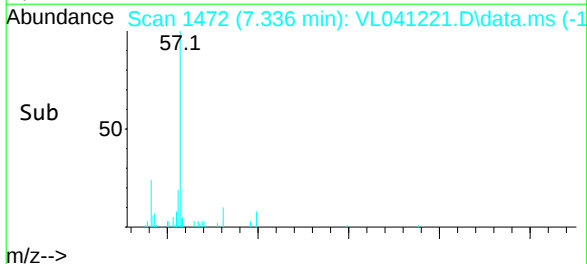
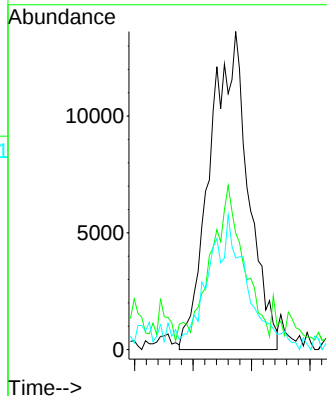
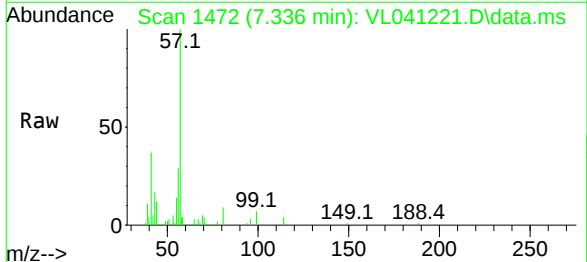
Manual Integrations
APPROVED

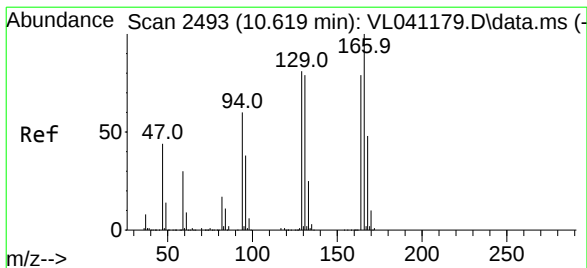
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#44
2,2,4-Trimethylpentane
Concen: 0.101 ppbv m
RT: 7.336 min Scan# 1472
Delta R.T. 0.010 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Tgt Ion: 57 Resp: 31227
Ion Ratio Lower Upper
57 100
41 57.0 29.5 44.3#
56 44.5 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.309 ppbv m

RT: 10.622 min Scan# 2494

Delta R.T. 0.010 min

Lab File: VL041221.D

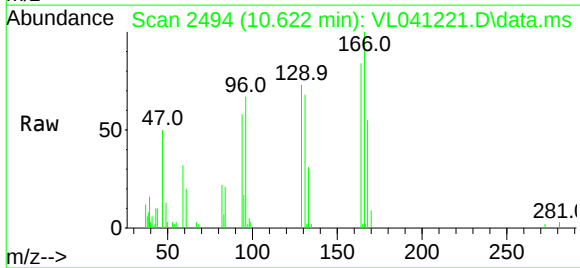
Acq: 6 May 2024 17:00

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA03-20240425



Tgt Ion: 164 Resp: 19477

Ion Ratio Lower Upper

164 100

166 119.2 101.1 151.7

129 86.9 81.7 122.5

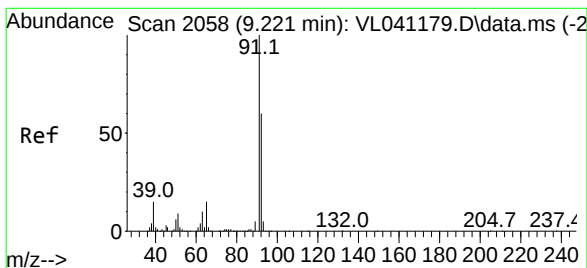
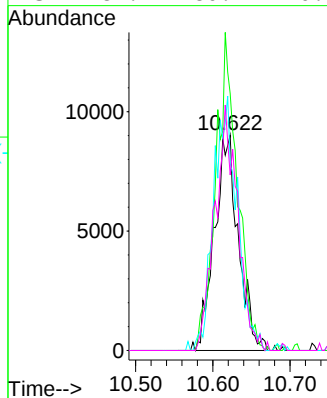
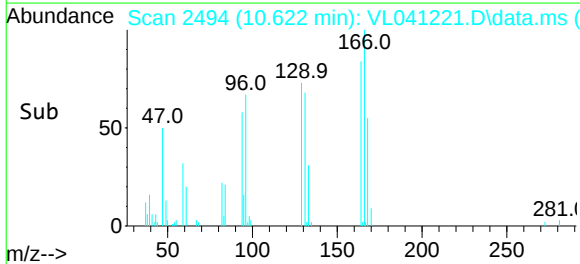
131 81.4 80.4 120.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.844 ppbv

RT: 9.224 min Scan# 2059

Delta R.T. 0.003 min

Lab File: VL041221.D

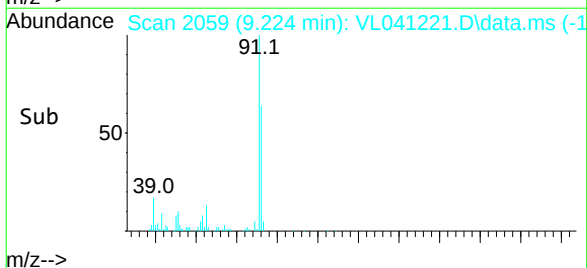
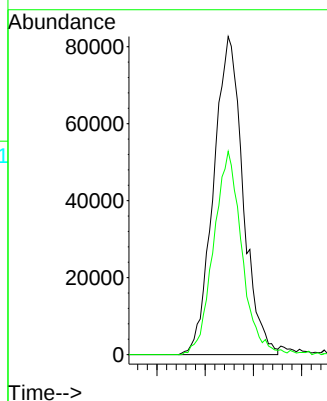
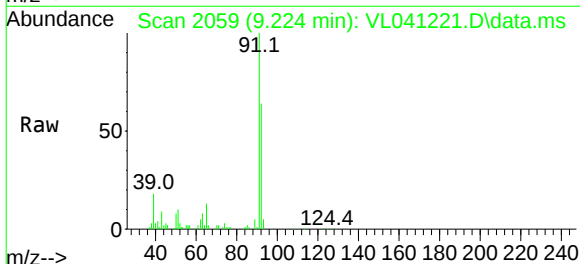
Acq: 6 May 2024 17:00

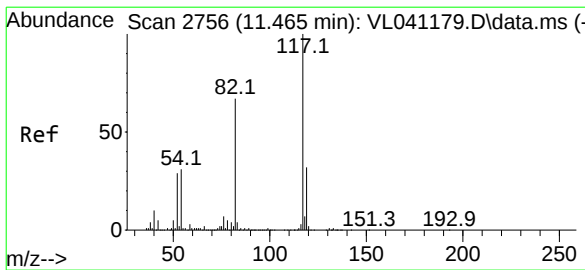
Tgt Ion: 91 Resp: 175777

Ion Ratio Lower Upper

91 100

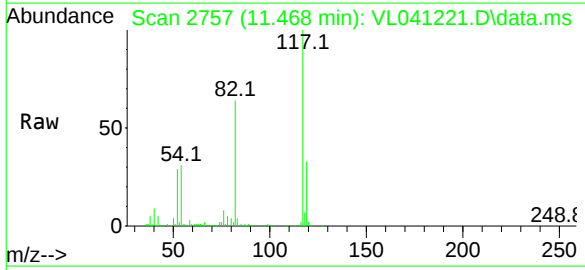
92 61.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. 0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

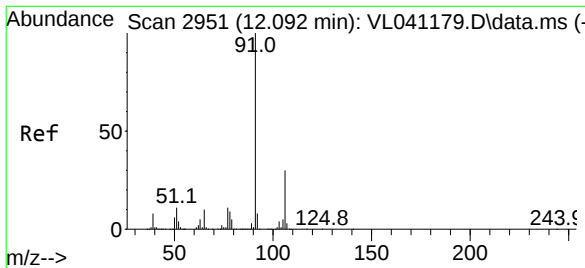
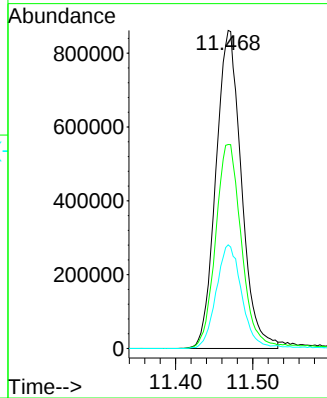
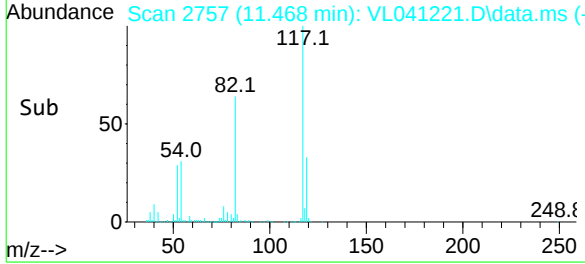
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA03-20240425



Tgt Ion:117 Resp: 1979374
Ion Ratio Lower Upper
117 100
82 66.4 53.6 80.4
119 33.3 27.2 40.8

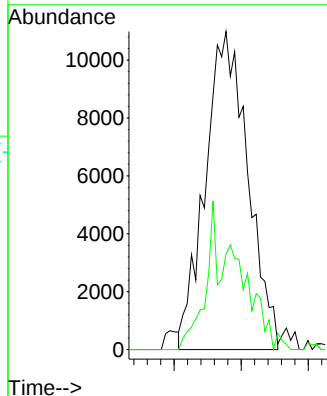
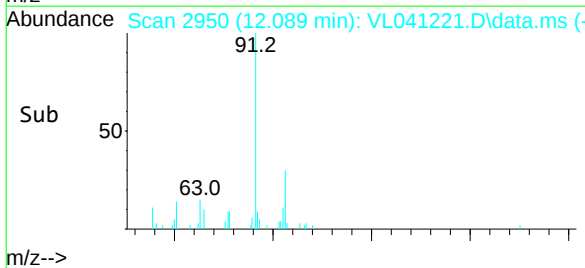
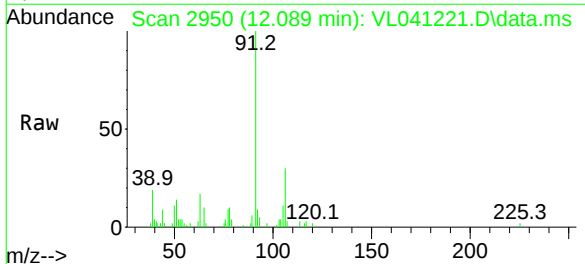
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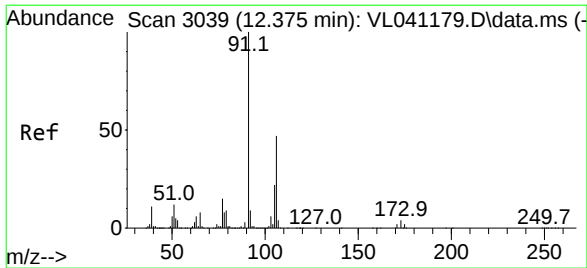
Reviewed By :Semsettin Yesilyurt 05/07/2024
Supervised By :Mahesh Dadoda 05/07/2024



#58
Ethyl Benzene
Concen: 0.089 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Tgt Ion: 91 Resp: 24219
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5





#59

m/p-Xylene

Concen: 0.273 ppbv m

RT: 12.339 min Scan# 3039

Delta R.T. -0.029 min

Lab File: VL041221.D

Acq: 6 May 2024 17:00

Instrument :

MSVOA_L

ClientSampleId :

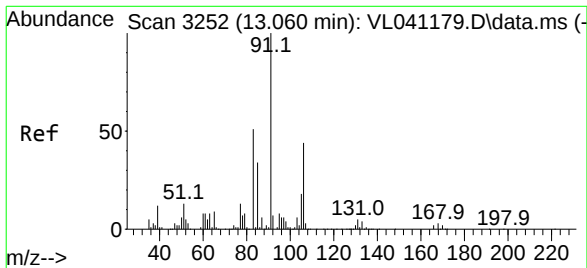
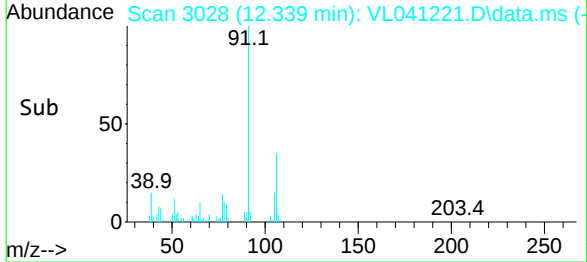
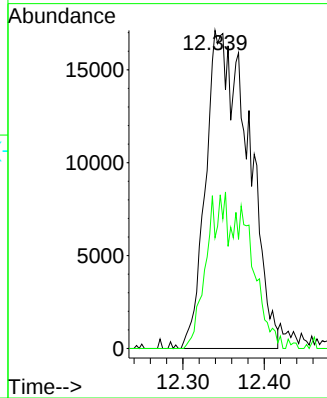
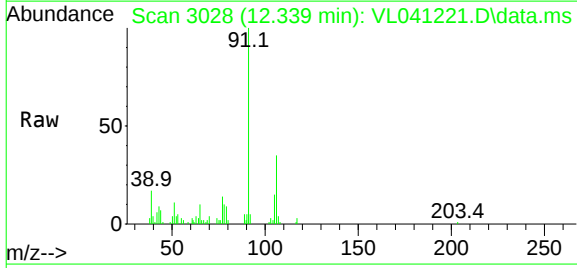
BA-03-IA03-20240425

Tgt Ion: 91 Resp: 62167
 Ion Ratio Lower Upper
 91 100
 106 0.0 35.7 53.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2024
 Supervised By :Mahesh Dadoda 05/07/2024



#60

o-Xylene

Concen: 0.097 ppbv m

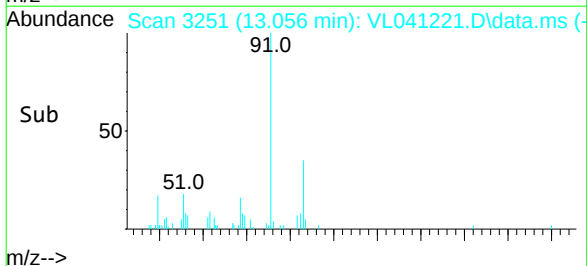
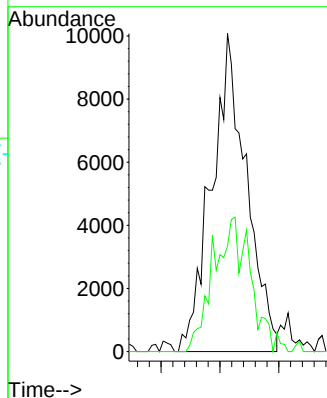
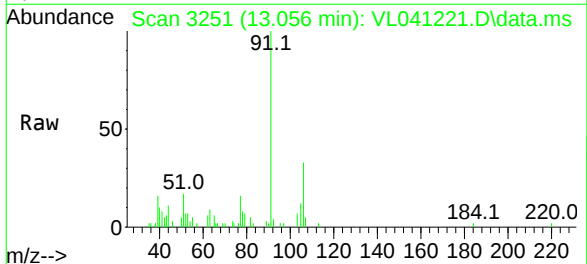
RT: 13.056 min Scan# 3251

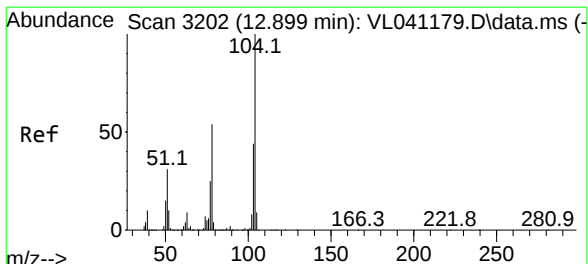
Delta R.T. 0.000 min

Lab File: VL041221.D

Acq: 6 May 2024 17:00

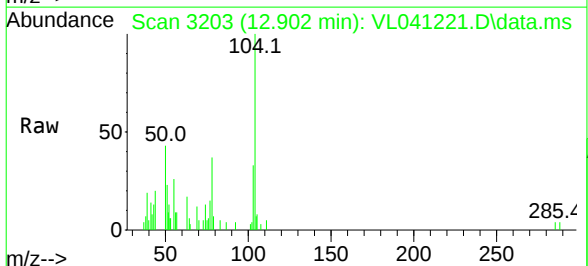
Tgt Ion: 91 Resp: 20705
 Ion Ratio Lower Upper
 91 100
 106 45.6 22.4 67.3





#61
Styrene
Concen: 0.088 ppbv m
RT: 12.902 min Scan# 3203
Delta R.T. 0.007 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Instrument : MSVOA_L
ClientSampleId : BA-03-IA03-20240425

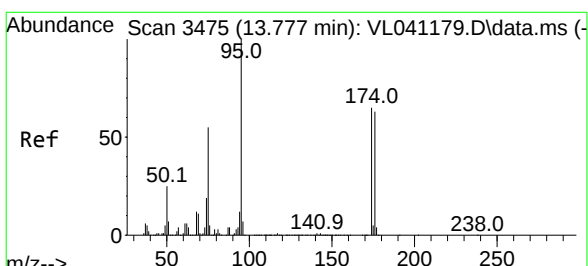
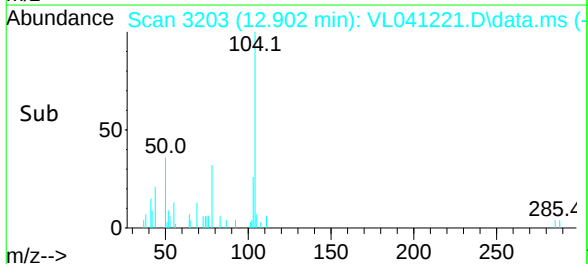
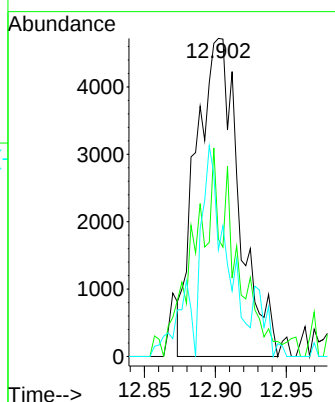


Tgt Ion: 104 Resp: 9895

Ion	Ratio	Lower	Upper
104	100		
78	61.9	42.6	63.8
103	52.3	38.4	57.6

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 05/07/2024
Supervised By : Mahesh Dadoda 05/07/2024



#68
1-Bromo-4-Fluorobenzene
Concen: 9.856 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. 0.007 min
Lab File: VL041221.D
Acq: 6 May 2024 17:00

Tgt Ion: 95 Resp: 1472830

Ion	Ratio	Lower	Upper
95	100		
174	67.5	53.6	80.4
175	4.7	4.2	6.4

