

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041098.D
 Acq On : 12 Mar 2024 14:27
 Operator : SY/MD
 Sample : P1718-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Quant Time: Mar 13 01:29:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Mar 13 01:22:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/13/2024
 Supervised By :Mahesh Dadoda 03/13/2024

Supervised By :Mahesh
 Dadoda
 03/13/2024

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

Internal Standards						
1) Bromochloromethane	5.195	49	1215766	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3065308	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2562649	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1967906	9.822	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.726	85	74751	0.323	ppbv	92
3) Chlorodifluoromethane	2.671	51	66751m	0.374	ppbv	
4) Chloromethane	2.809	50	35897	0.531	ppbv	96
9) Propene	2.700	41	55695	0.937	ppbv #	77
11) Trichlorofluoromethane	3.565	101	40801	0.228	ppbv	92
13) Ethanol	3.240	45	161804	10.211	ppbv	94
15) Acetone	3.468	43	581436	4.198	ppbv	97
19) Isopropyl Alcohol	3.587	45	109849	1.485	ppbv #	92
20) Methylene Chloride	3.935	84	1795339	33.249	ppbv	93
25) Ethyl Acetate	5.218	43	1172247	4.698	ppbv #	76
26) Hexane	5.218	57	1671400	14.986	ppbv #	41
34) 2-Butanone	4.803	43	24562m	0.162	ppbv	
35) Carbon Tetrachloride	6.494	117	13264m	0.074	ppbv	
36) Benzene	6.372	78	47293	0.207	ppbv #	92
52) Tetrachloroethene	10.613	164	2897m	0.041	ppbv	
53) Toluene	9.233	91	82416	0.335	ppbv	97
59) m/p-Xylene	12.356	91	46271m	0.176	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	17212m	0.107	ppbv	

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

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ALS Vial : 1 Sample Multiplier: 1

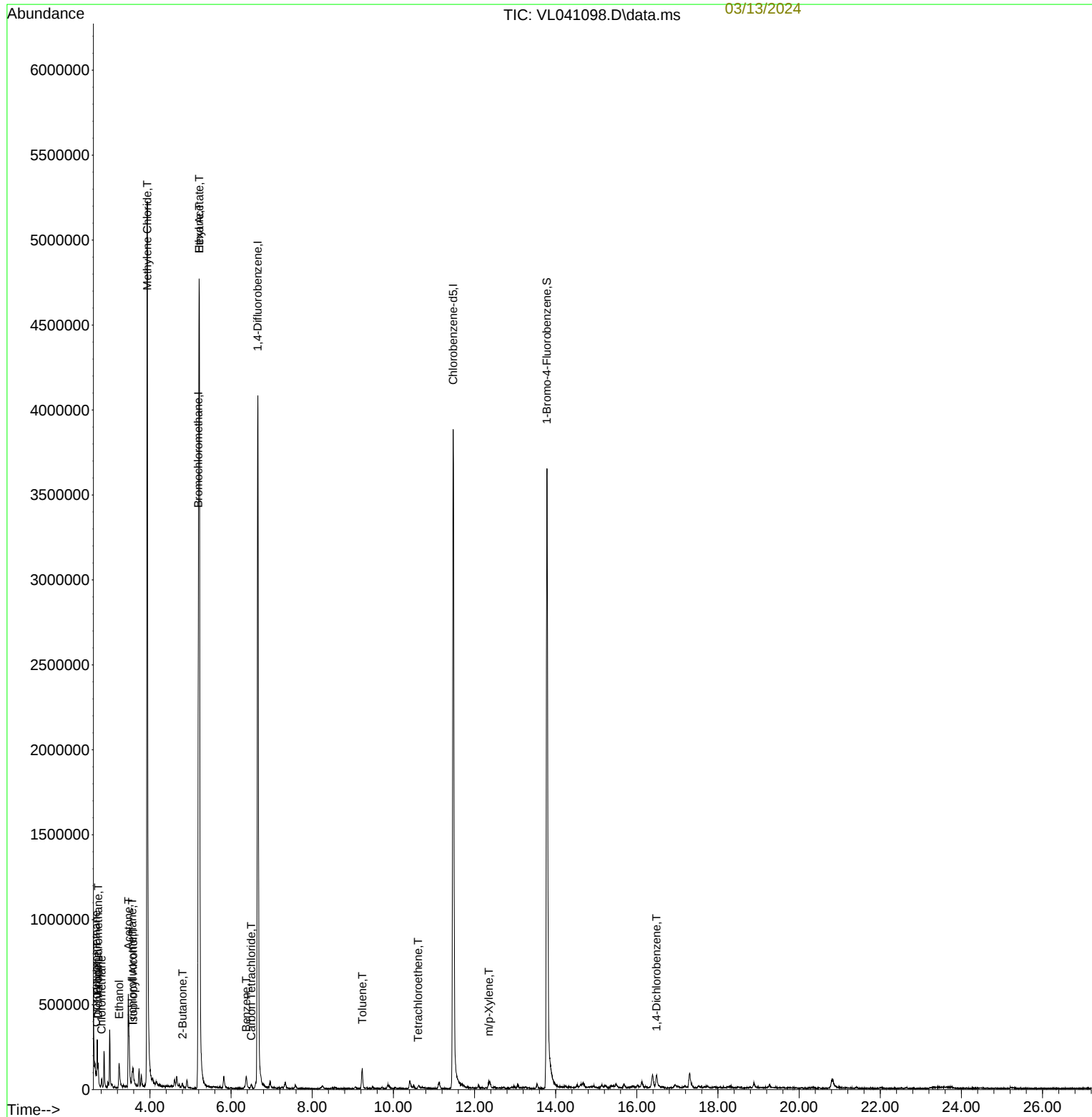
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

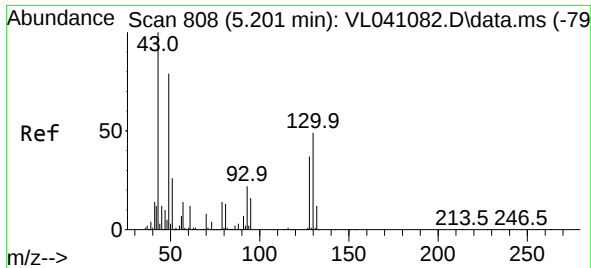
Quant Time: Mar 13 01:29:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Supervised By : Mahesh Dadoda 03/13/2024

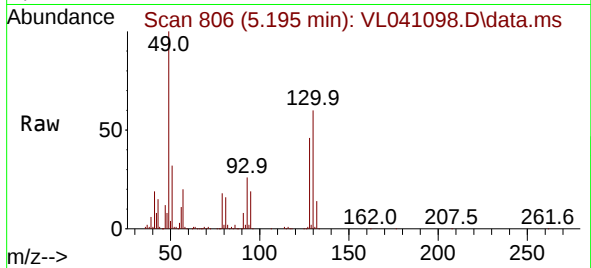
Supervised By : Mahesh
Dadoda
03/13/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

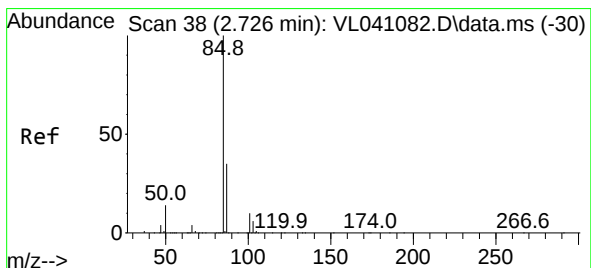
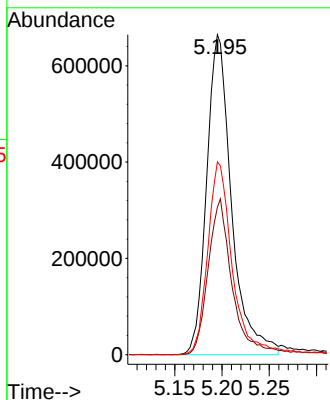
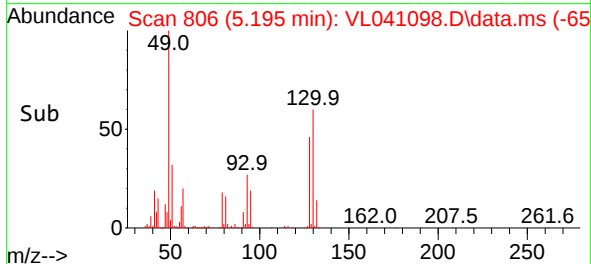


Tgt Ion: 49 Resp: 121576
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.5
130 61.5 30.3 90.9

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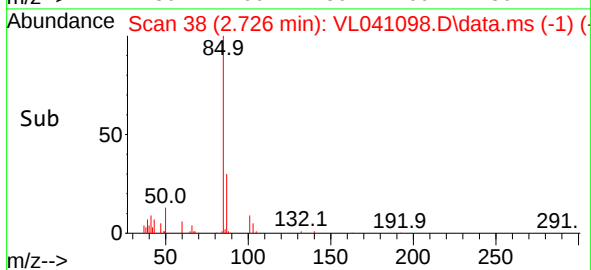
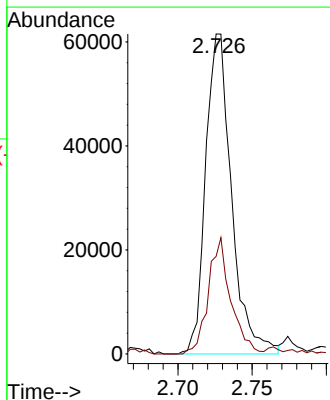
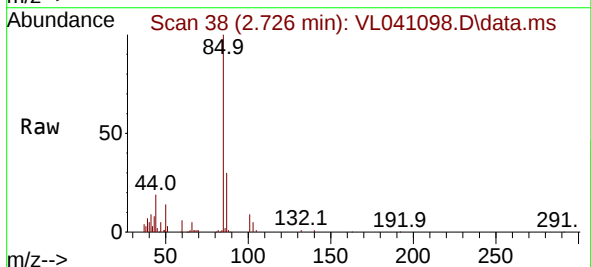
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

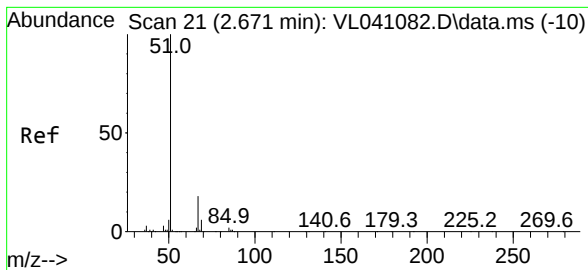
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#2
Dichlorodifluoromethane
Concen: 0.323 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

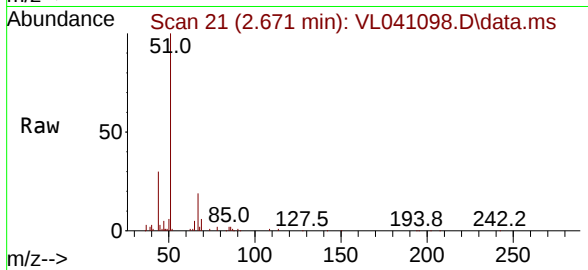
Tgt Ion: 85 Resp: 74751
Ion Ratio Lower Upper
85 100
87 30.5 28.1 42.1





#3
Chlorodifluoromethane
Concen: 0.374 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

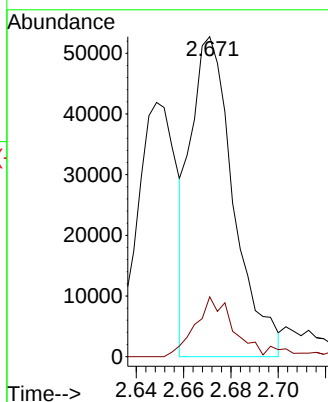
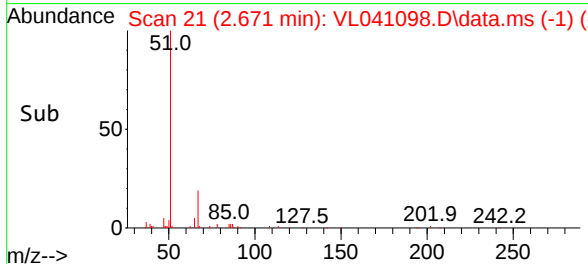
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



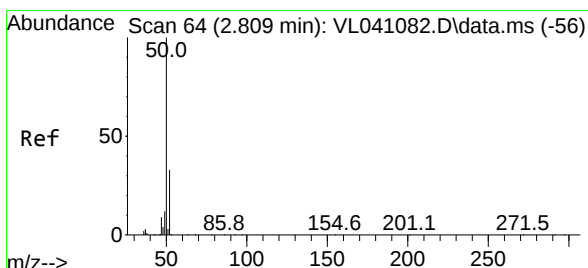
Tgt Ion: 51 Resp: 6675
Ion Ratio Lower Upper
51 100
67 18.9 14.5 21.7

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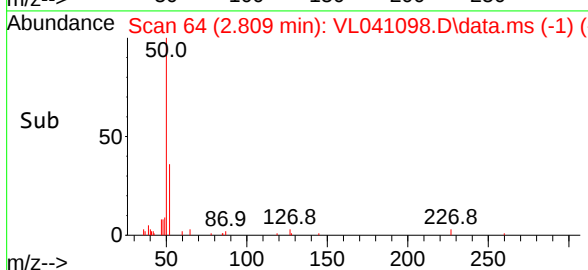
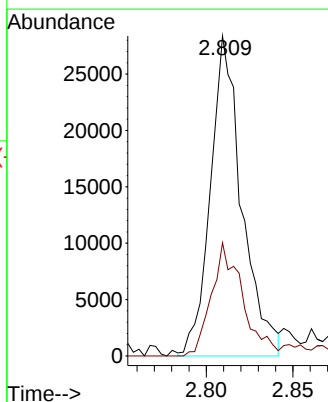
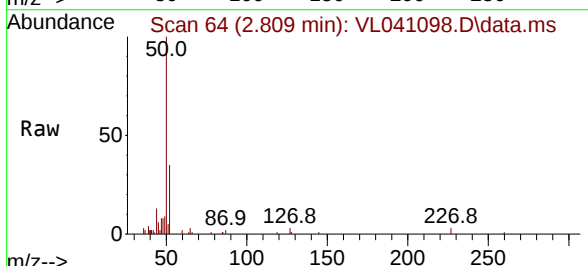


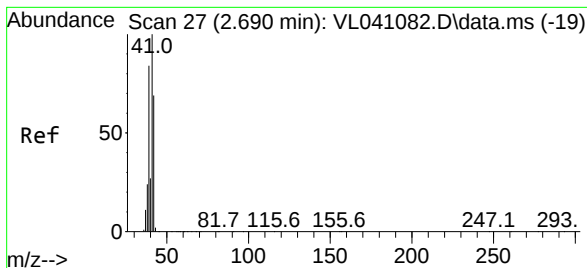
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#4
Chloromethane
Concen: 0.531 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 50 Resp: 35897
Ion Ratio Lower Upper
50 100
52 35.7 26.6 40.0





#9

Propene

Concen: 0.937 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.016 min

Lab File: VL041098.D

Acq: 12 Mar 2024 14:27

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

Tgt Ion: 41 Resp: 5569

Ion Ratio Lower Upper

41 100

42 51.4 55.9 83.9

Manual Integrations

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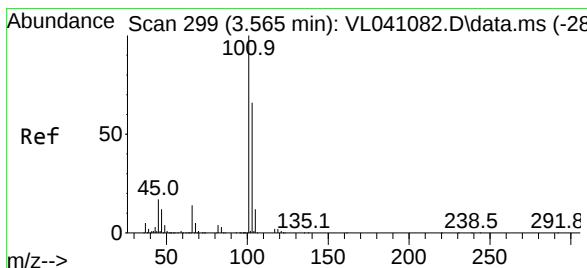
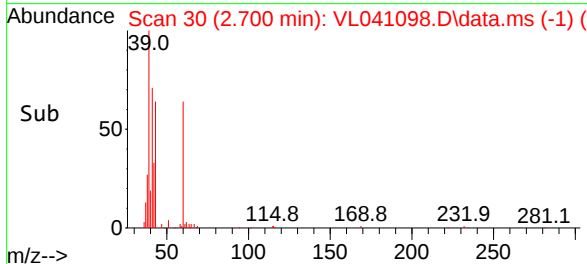
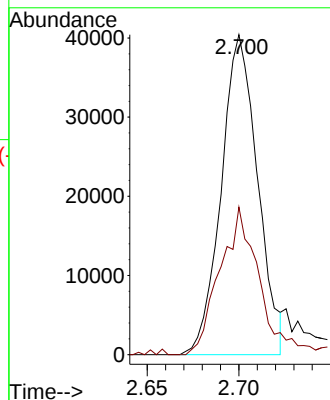
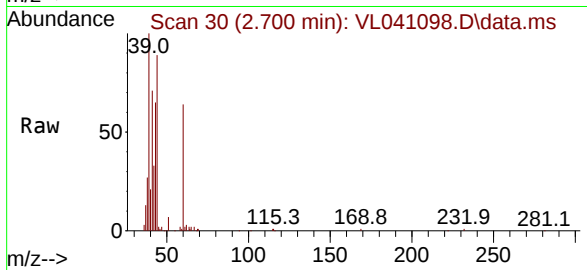
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Supervised By :Mahesh Dadoda 03/13/2024

Supervised By :Mahesh

Dadoda

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#11

Trichlorofluoromethane

Concen: 0.228 ppbv

RT: 3.565 min Scan# 299

Delta R.T. 0.006 min

Lab File: VL041098.D

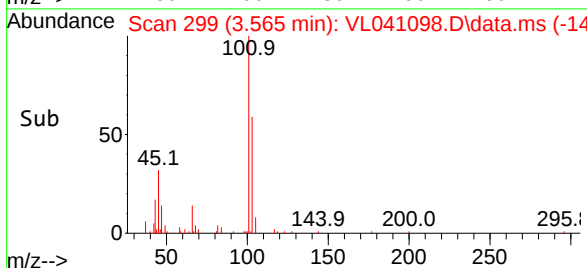
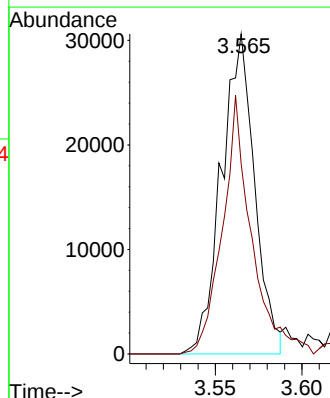
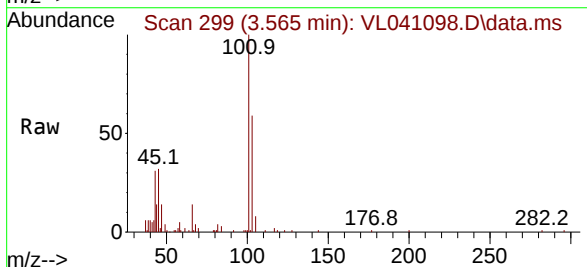
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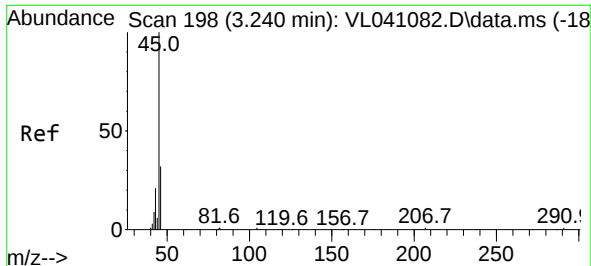
Tgt Ion:101 Resp: 40801

Ion Ratio Lower Upper

101 100

103 59.5 53.0 79.4





#13

Ethanol

Concen: 10.211 ppbv

RT: 3.240 min Scan# 198

Delta R.T. 0.006 min

Lab File: VL041098.D

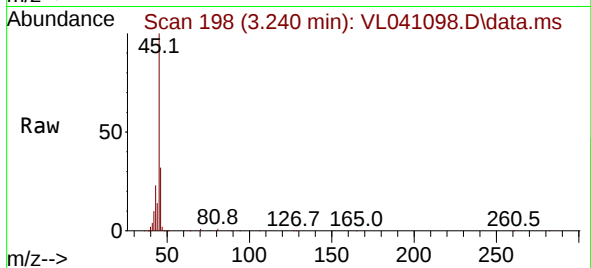
Acq: 12 Mar 2024 14:27

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP



Tgt Ion: 45 Resp: 161804

Ion Ratio Lower Upper

45 100

46 39.7 14.6 58.2

Manual Integrations

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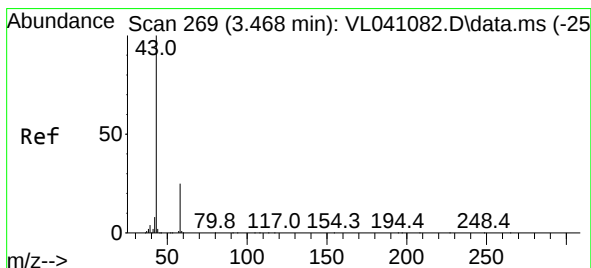
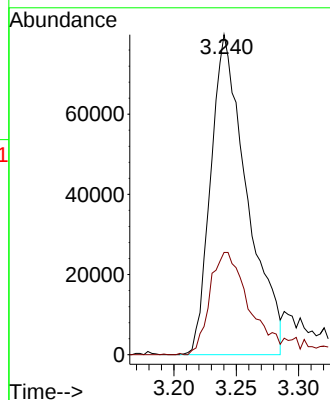
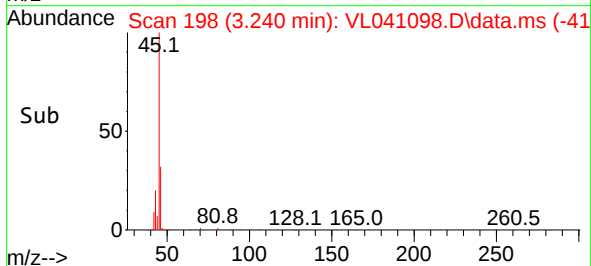
Reviewed By :Semsettin Yesilyurt 03/13/2024

Supervised By :Mahesh Dadoda 03/13/2024

Supervised By :Mahesh

Dadoda

03/13/2024



#15

Acetone

Concen: 4.198 ppbv

RT: 3.468 min Scan# 269

Delta R.T. 0.006 min

Lab File: VL041098.D

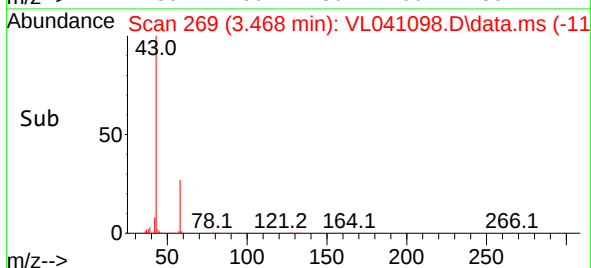
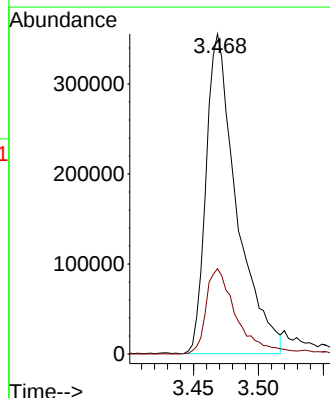
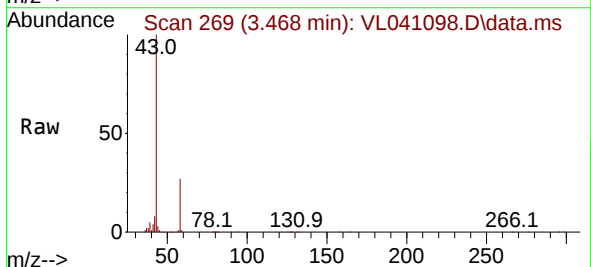
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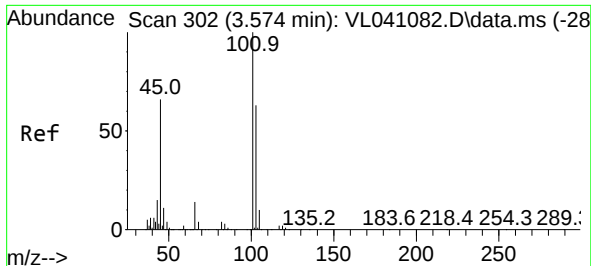
Tgt Ion: 43 Resp: 581436

Ion Ratio Lower Upper

43 100

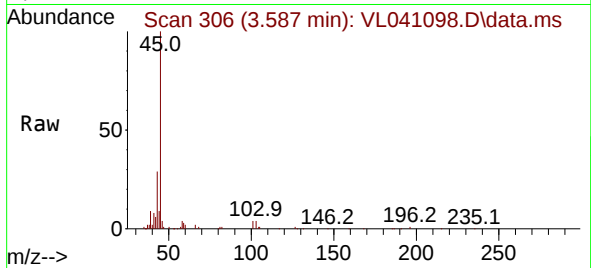
58 28.5 21.7 32.5





#19
Isopropyl Alcohol
Concen: 1.485 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.019 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

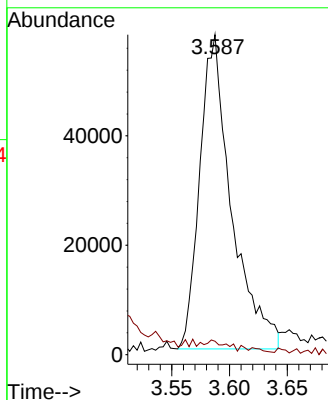
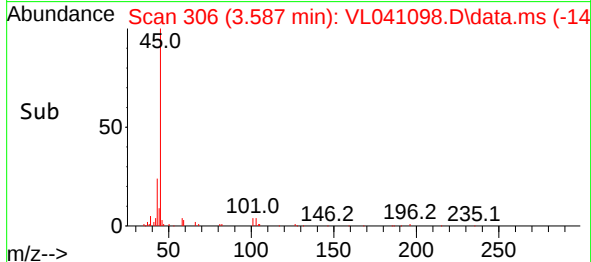
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



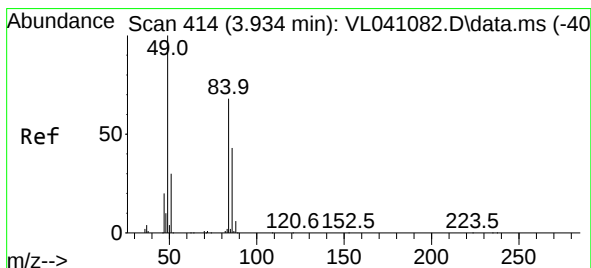
Tgt Ion: 45 Resp: 109849
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.4

Manual Integrations
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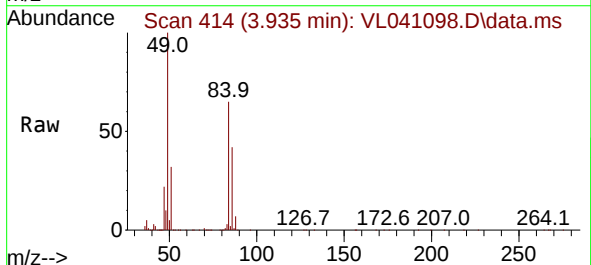
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



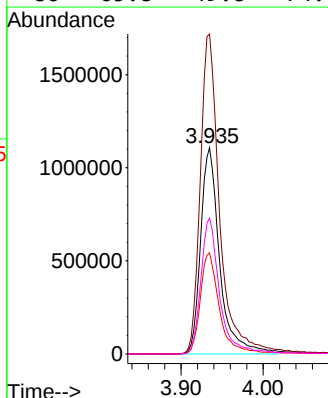
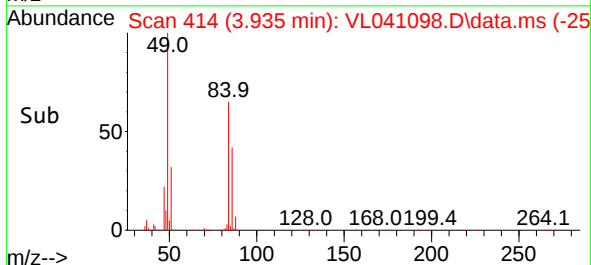
Supervised By :Mahesh
Dadoda
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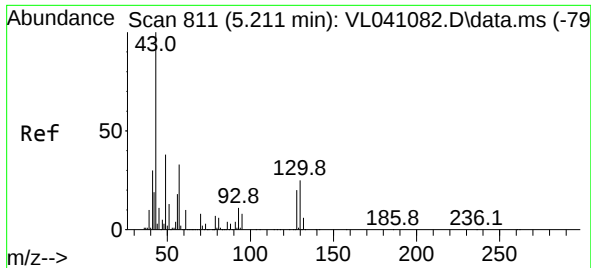


#20
Methylene Chloride
Concen: 33.249 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27



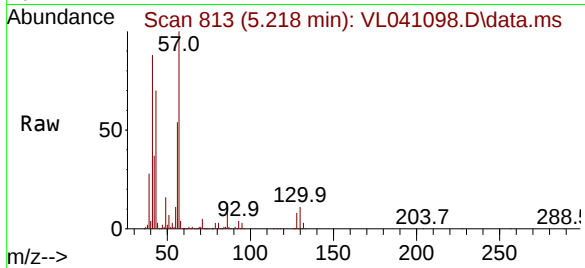
Tgt Ion: 84 Resp: 1795339
Ion Ratio Lower Upper
84 100
49 155.0 117.0 175.6
51 48.9 34.9 52.3
86 65.8 49.8 74.6





#25
Ethyl Acetate
Concen: 4.698 ppbv
RT: 5.218 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

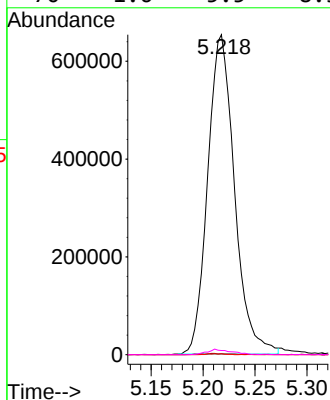
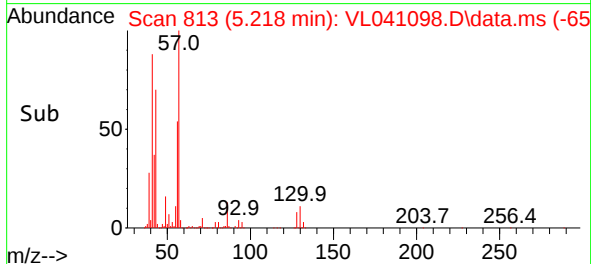
Instrument :
MSVOA_L
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IA1DUP



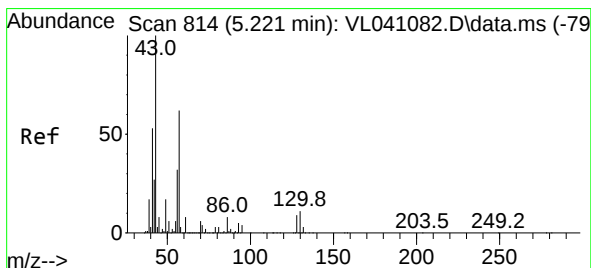
Tgt Ion: 43 Resp: 117224
Ion Ratio Lower Upper
43 100
45 0.4 8.2 12.2
61 0.2 8.2 12.2
70 1.6 5.5 8.3

Manual Integrations
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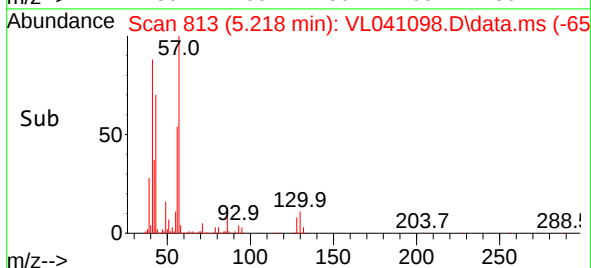
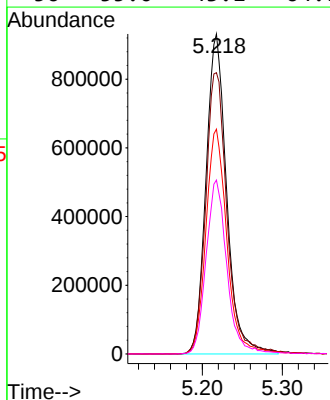
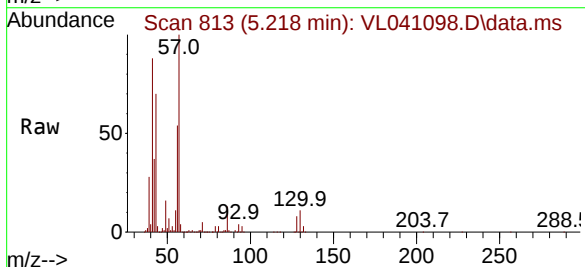


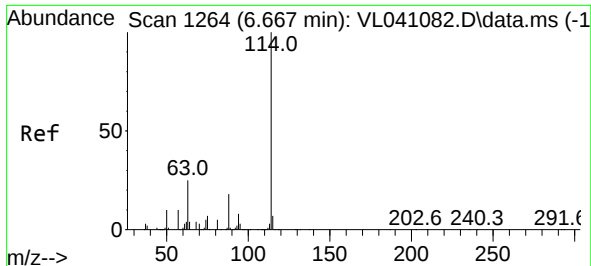
Supervised By :Mahesh
Dadoda
03/13/2024



#26
Hexane
Concen: 14.986 ppbv
RT: 5.218 min Scan# 813
Delta R.T. 0.006 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 57 Resp: 1671400
Ion Ratio Lower Upper
57 100
41 91.9 73.8 110.6
43 71.9 184.2 276.2
56 55.0 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041098.D

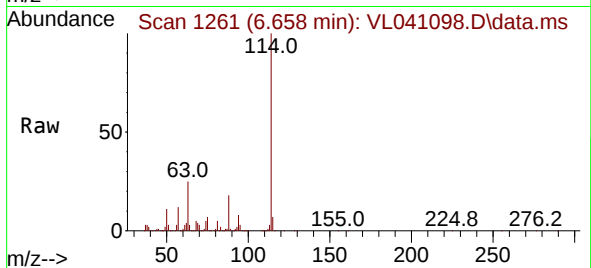
Acq: 12 Mar 2024 14:27

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP



Tgt Ion:114 Resp: 3065308

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 17.8 14.6 22.0

Manual Integrations

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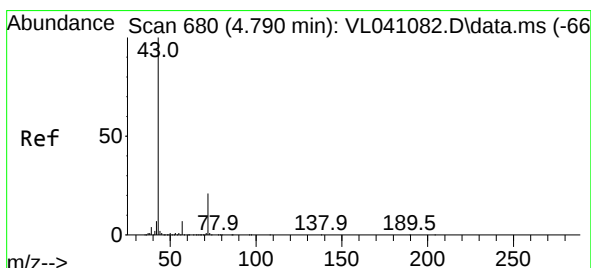
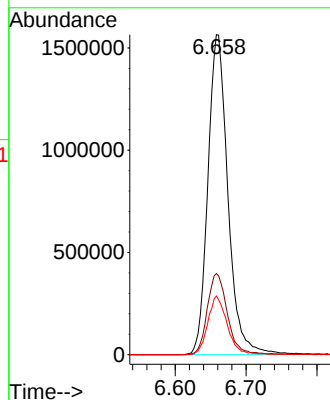
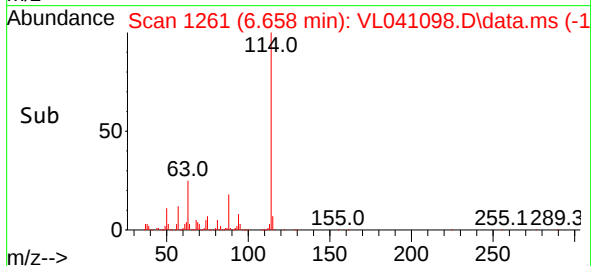
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Supervised By :Mahesh Dadoda 03/13/2024

Supervised By :Mahesh

Dadoda

03/13/2024



#34

2-Butanone

Concen: 0.162 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.019 min

Lab File: VL041098.D

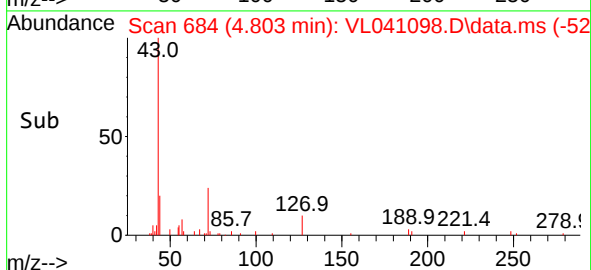
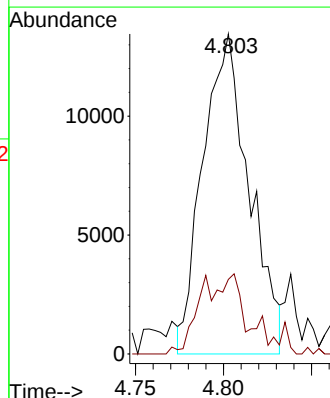
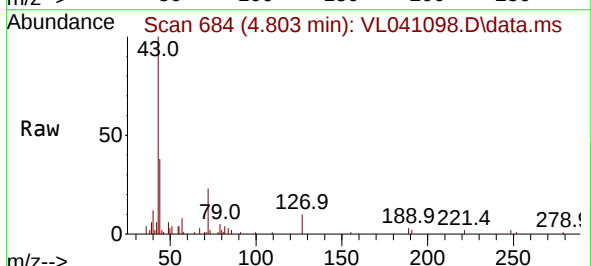
Acq: 12 Mar 2024 14:27

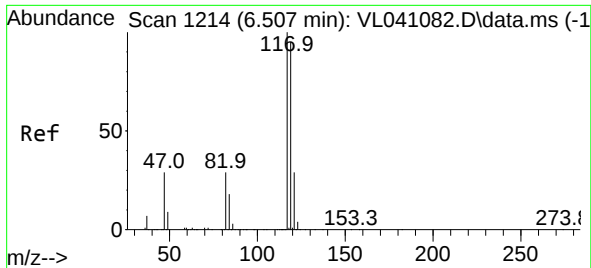
Tgt Ion: 43 Resp: 24562

Ion Ratio Lower Upper

43 100

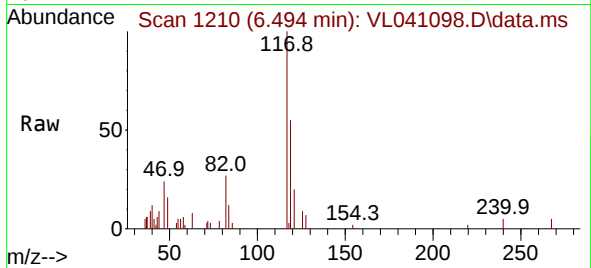
72 27.0 17.4 26.0#





#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 6.494 min Scan# 117
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

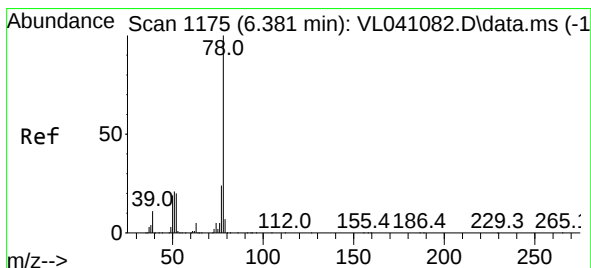
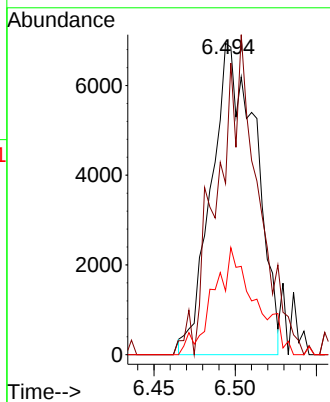
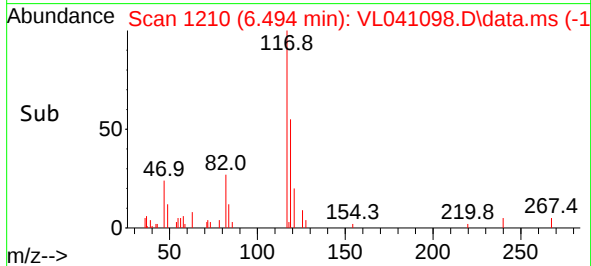


Tgt Ion: 117 Resp: 13264
Ion Ratio Lower Upper
117 100
119 55.0 75.6 113.4
121 20.4 23.4 35.2

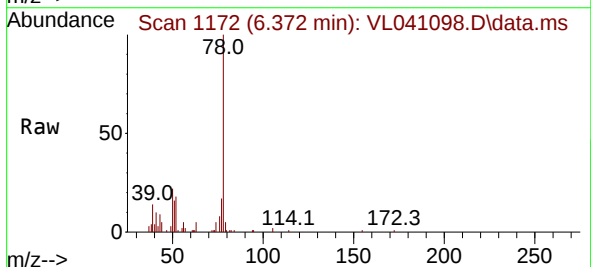
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

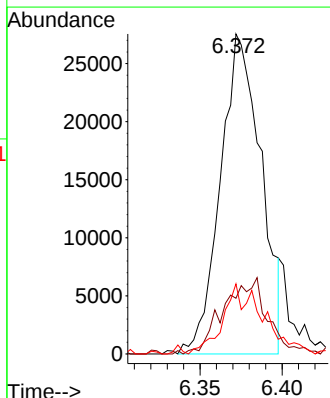
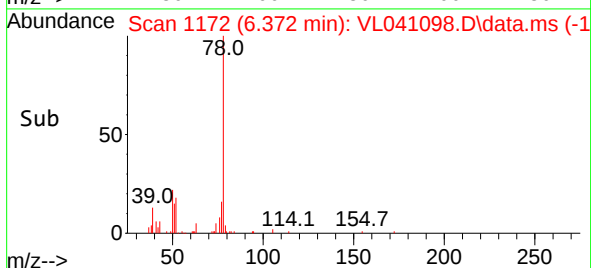
Supervised By :Mahesh
Dadoda
03/13/2024

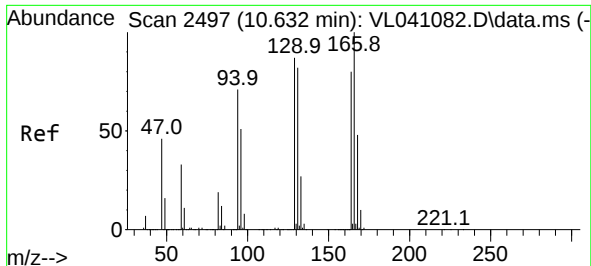


#36
Benzene
Concen: 0.207 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27



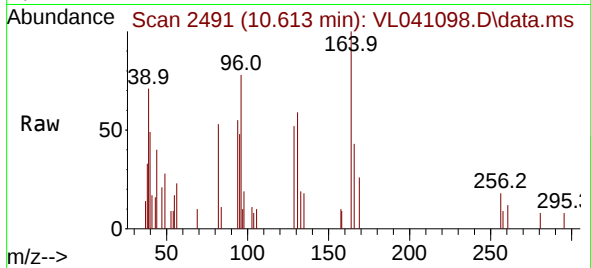
Tgt Ion: 78 Resp: 47293
Ion Ratio Lower Upper
78 100
77 16.3 18.8 28.2
50 19.1 15.5 23.3





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 10.613 min Scan# 2497
Delta R.T. -0.010 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

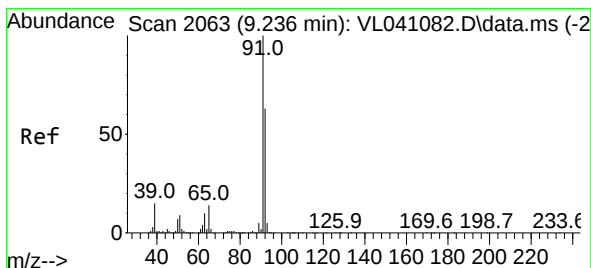
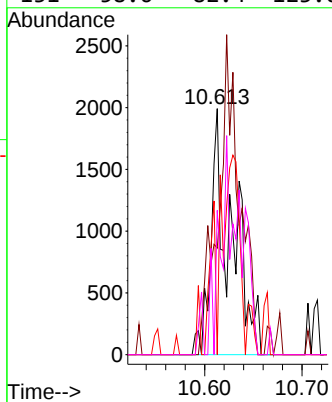
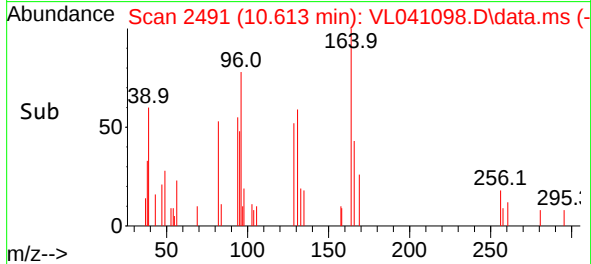
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:164 Resp: 289
Ion Ratio Lower Upper
164 100
166 43.3 100.6 150.8
129 0.0 87.2 130.8
131 58.6 82.4 123.6

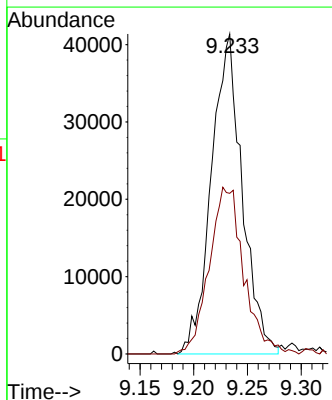
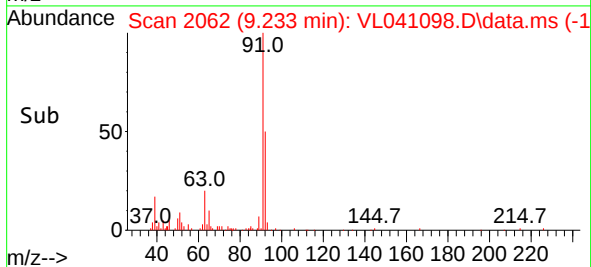
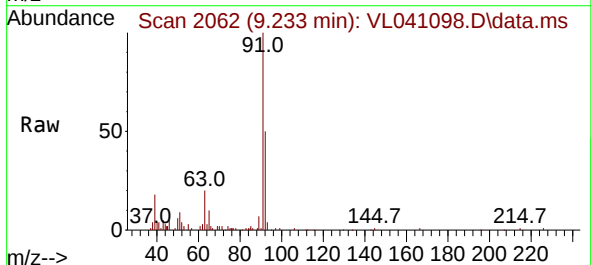
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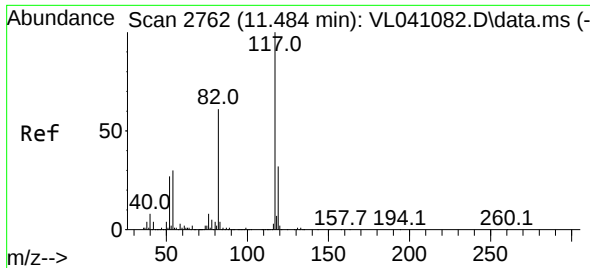
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#53
Toluene
Concen: 0.335 ppbv
RT: 9.233 min Scan# 2062
Delta R.T. 0.010 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

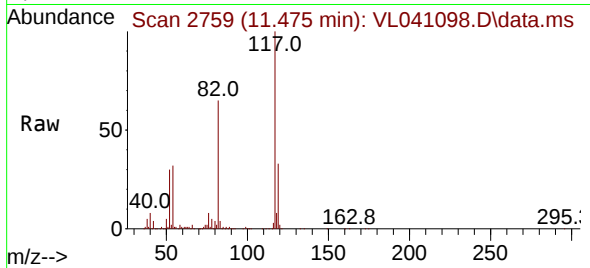
Tgt Ion: 91 Resp: 82416
Ion Ratio Lower Upper
91 100
92 59.0 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

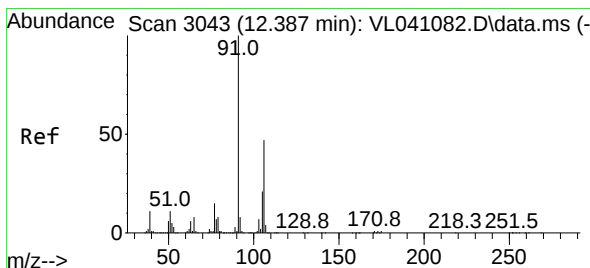
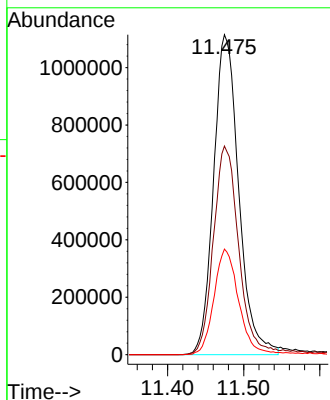
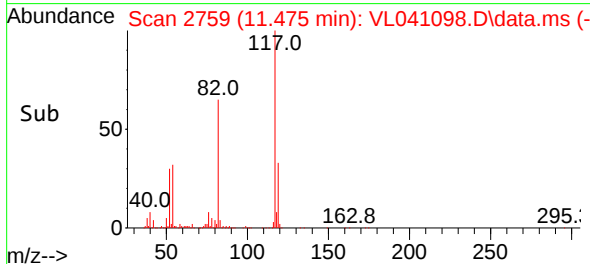


Tgt Ion:117 Resp: 2562649
Ion Ratio Lower Upper
117 100
82 67.3 51.4 77.2
119 33.2 23.7 35.5

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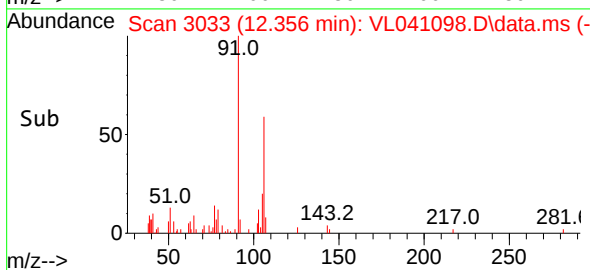
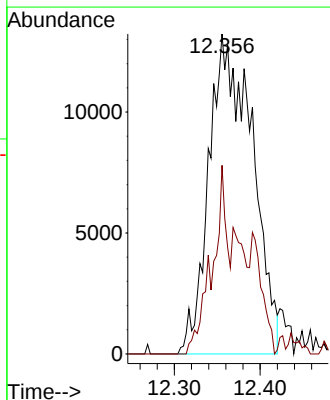
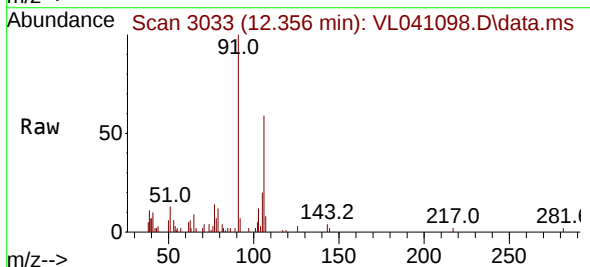
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

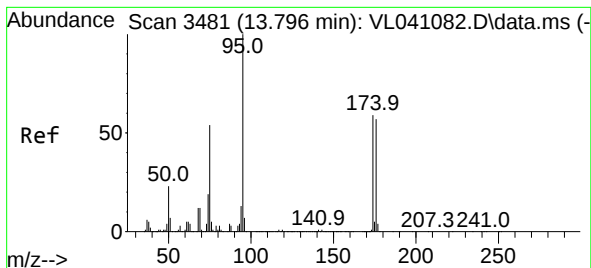
Supervised By :Mahesh
Dadoda
03/13/2024



#59
m/p-Xylene
Concen: 0.176 ppbv m
RT: 12.356 min Scan# 3033
Delta R.T. -0.026 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion: 91 Resp: 46271
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 13.786 min Scan# 3481
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

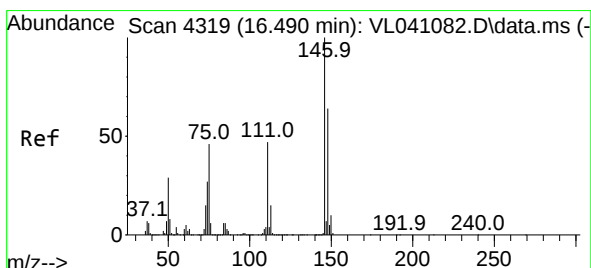
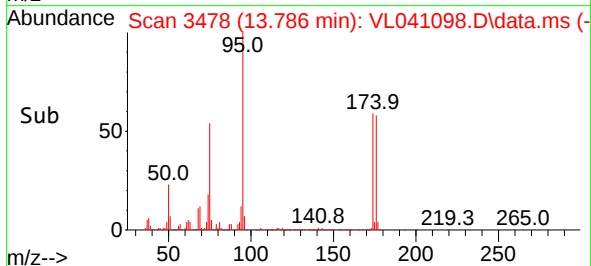
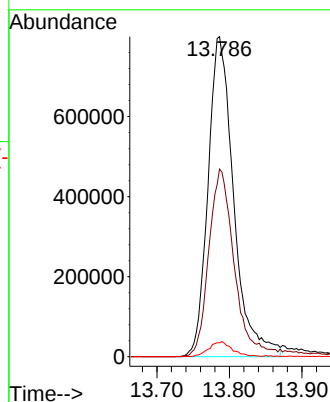
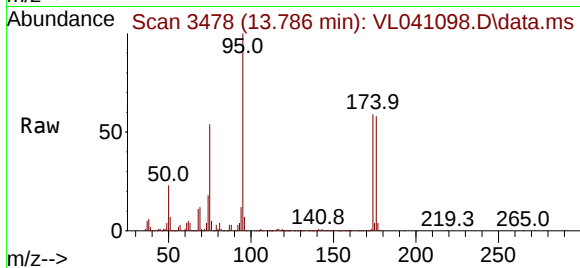
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 95 Resp: 1967900
Ion Ratio Lower Upper
95 100
174 60.9 47.8 71.8
175 4.5 3.5 5.3

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Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

Supervised By :Mahesh
Dadoda
03/13/2024



#76
1,4-Dichlorobenzene
Concen: 0.107 ppbv m
RT: 16.484 min Scan# 4317
Delta R.T. 0.003 min
Lab File: VL041098.D
Acq: 12 Mar 2024 14:27

Tgt Ion:146 Resp: 17212
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.7#
148 61.3 32.9 98.6

