

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041097.D
 Acq On : 12 Mar 2024 13:47
 Operator : SY/MD
 Sample : P1718-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Mar 13 01:28:46 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

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

Internal Standards						
1) Bromochloromethane	5.192	49	1216247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3155407	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2651040	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2007379	9.685	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	71721	0.309	ppbv	94
3) Chlorodifluoromethane	2.671	51	63398m	0.355	ppbv	
4) Chloromethane	2.809	50	35336	0.523	ppbv	95
9) Propene	2.703	41	58007	0.975	ppbv #	78
11) Trichlorofluoromethane	3.555	101	39934	0.223	ppbv	86
13) Ethanol	3.237	45	158171	9.977	ppbv	92
15) Acetone	3.465	43	533855	3.853	ppbv	99
19) Isopropyl Alcohol	3.584	45	133150	1.799	ppbv #	1
20) Methylene Chloride	3.931	84	1331765	24.654	ppbv	91
25) Ethyl Acetate	5.214	43	996960	3.994	ppbv #	76
26) Hexane	5.214	57	1402332	12.569	ppbv #	41
34) 2-Butanone	4.796	43	28492m	0.182	ppbv	
35) Carbon Tetrachloride	6.497	117	13072m	0.071	ppbv	
36) Benzene	6.368	78	50611	0.215	ppbv	97
52) Tetrachloroethene	10.616	164	3162m	0.043	ppbv	
53) Toluene	9.230	91	89850	0.355	ppbv	100
59) m/p-Xylene	12.346	91	47476m	0.174	ppbv	

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

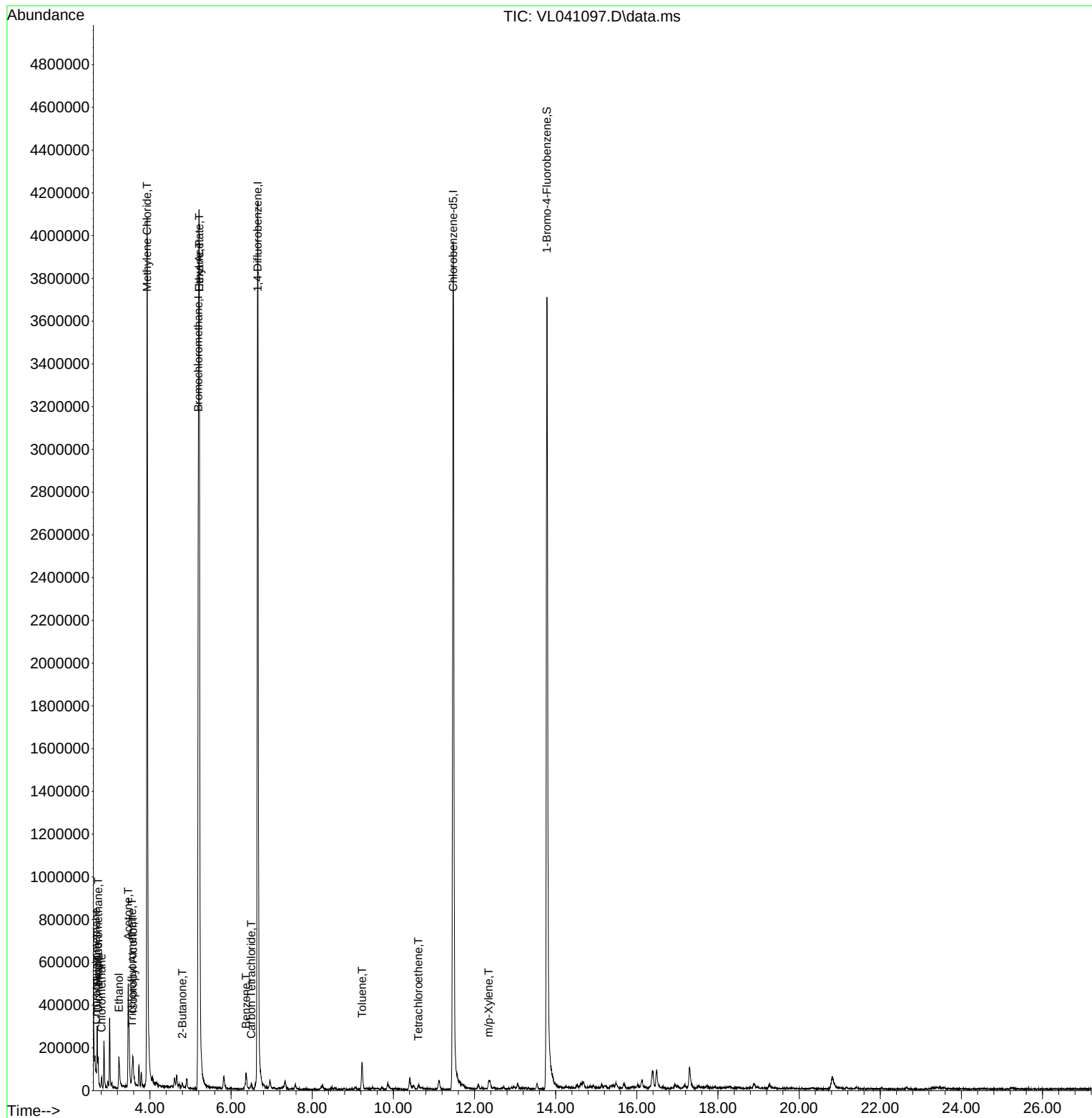
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
Data File : VL041097.D
Acq On : 12 Mar 2024 13:47
Operator : SY/MD
Sample : P1718-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

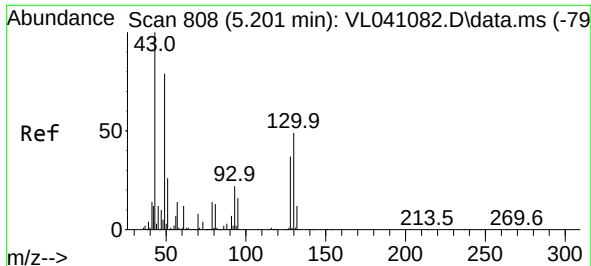
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Mar 13 01:28:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 13 01:22:02 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

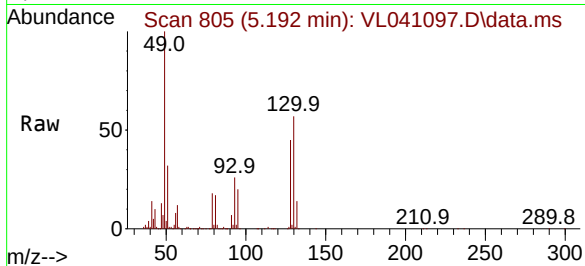
Reviewed By : Semsettin Yesilyurt 03/13/2024
Supervised By : Mahesh Dadoda 03/13/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

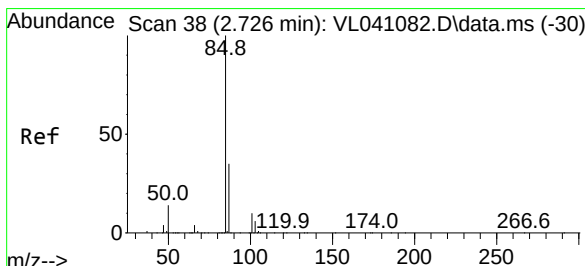
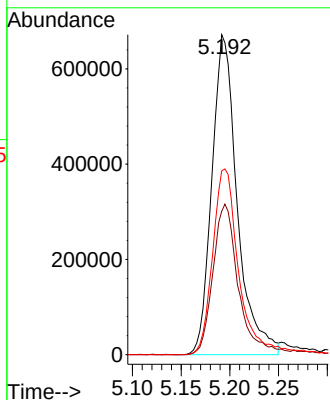
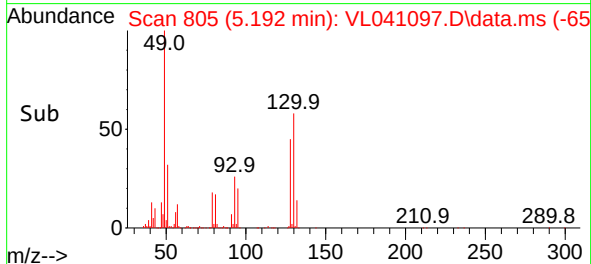
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 121624
Ion Ratio Lower Upper
49 100
128 49.4 23.8 71.5
130 60.9 30.3 90.9

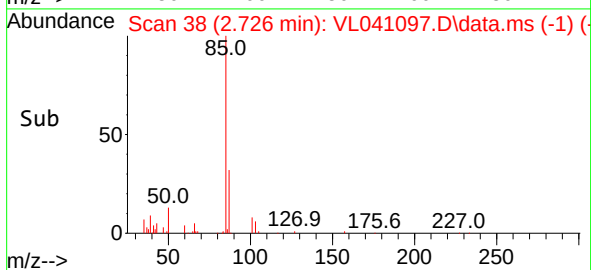
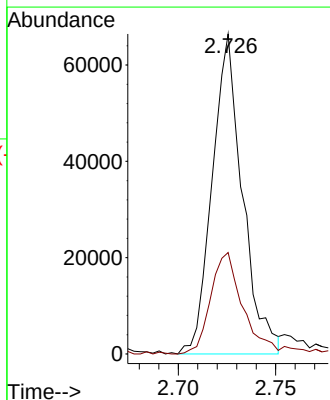
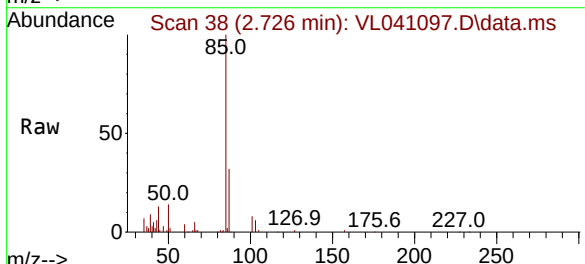
Manual Integrations
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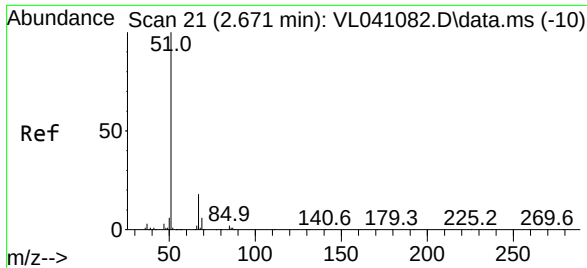
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#2
Dichlorodifluoromethane
Concen: 0.309 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.003 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

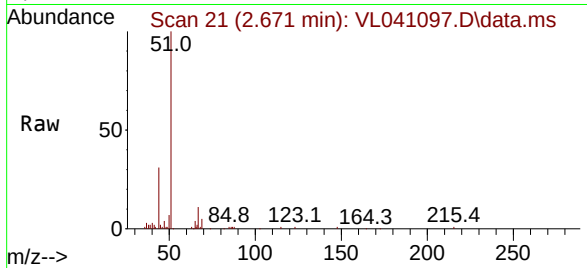
Tgt Ion: 85 Resp: 71721
Ion Ratio Lower Upper
85 100
87 31.8 28.1 42.1





#3
Chlorodifluoromethane
Concen: 0.355 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

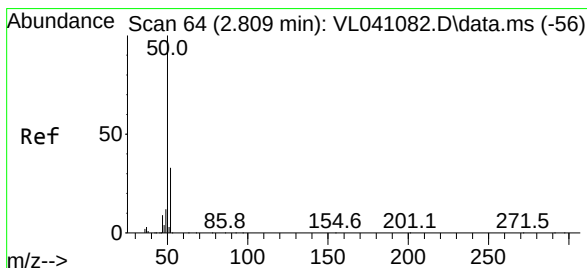
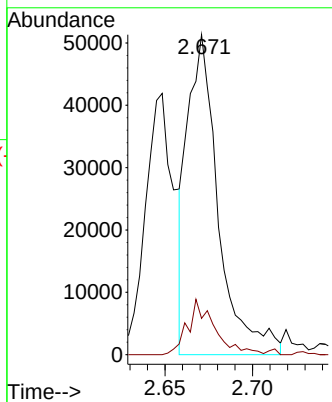
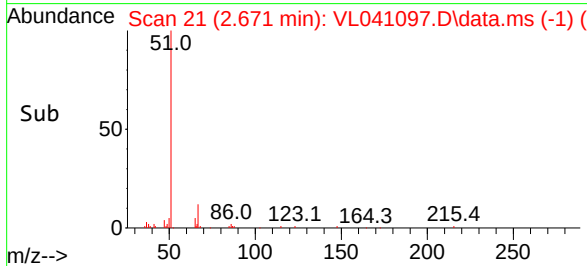
Instrument :
MSVOA_L
ClientSampleId :
IA1



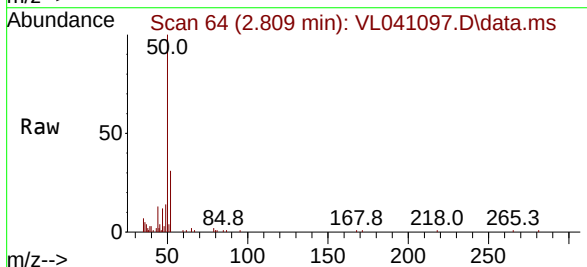
Tgt Ion: 51 Resp: 63398
Ion Ratio Lower Upper
51 100
67 15.9 14.5 21.7

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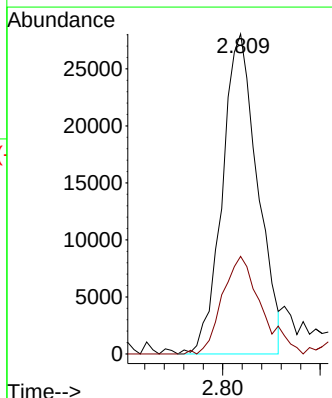
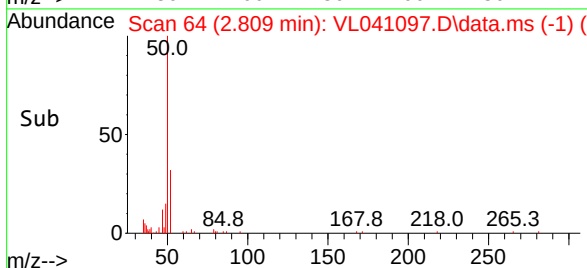
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

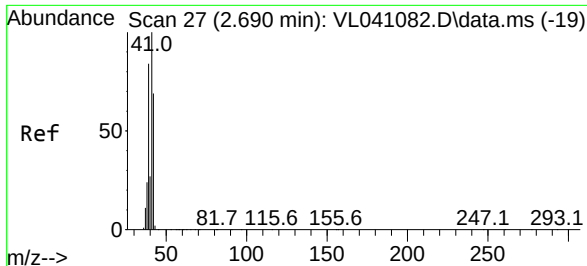


#4
Chloromethane
Concen: 0.523 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47



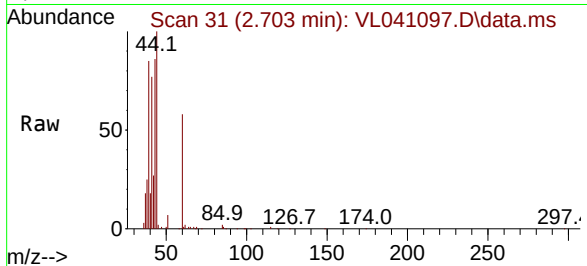
Tgt Ion: 50 Resp: 35336
Ion Ratio Lower Upper
50 100
52 30.5 26.6 40.0





#9
 Propene
 Concen: 0.975 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.019 min
 Lab File: VL041097.D
 Acq: 12 Mar 2024 13:47

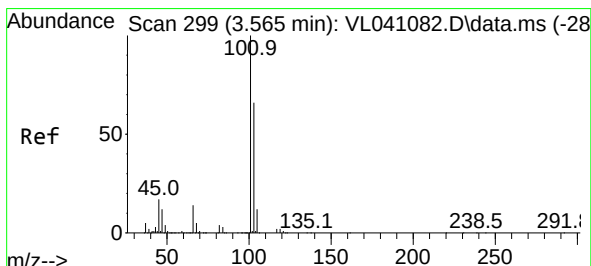
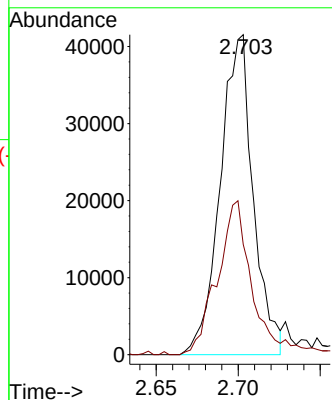
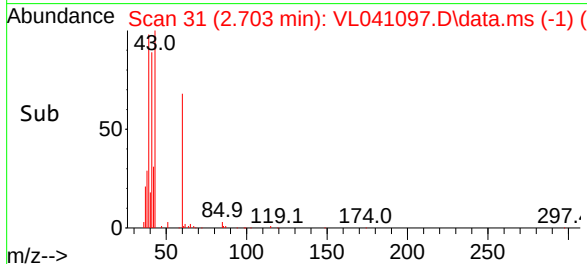
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



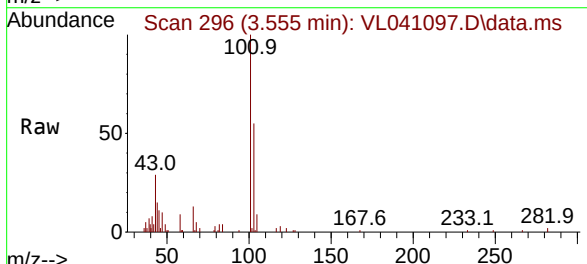
Tgt Ion: 41 Resp: 5800
 Ion Ratio Lower Upper
 41 100
 42 51.7 55.9 83.9

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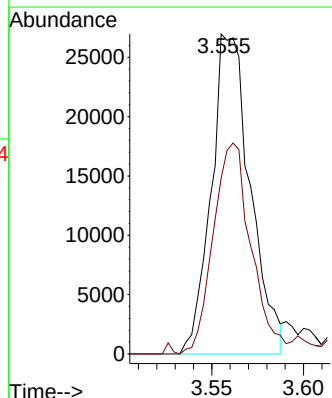
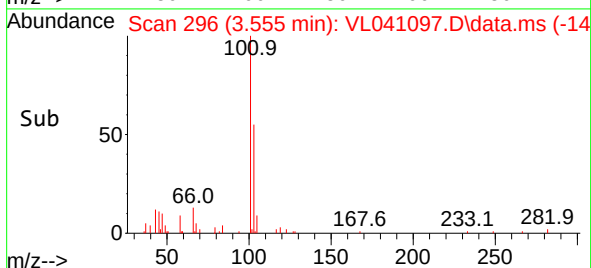
Reviewed By :Semsettin Yesilyurt 03/13/2024
 Supervised By :Mahesh Dadoda 03/13/2024

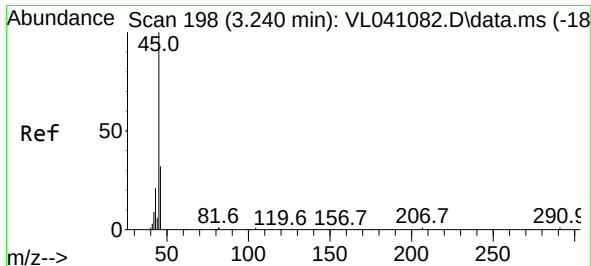


#11
 Trichlorofluoromethane
 Concen: 0.223 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.003 min
 Lab File: VL041097.D
 Acq: 12 Mar 2024 13:47



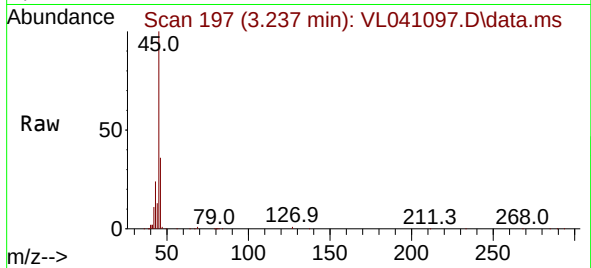
Tgt Ion:101 Resp: 39934
 Ion Ratio Lower Upper
 101 100
 103 55.4 53.0 79.4





#13
Ethanol
Concen: 9.977 ppbv
RT: 3.237 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

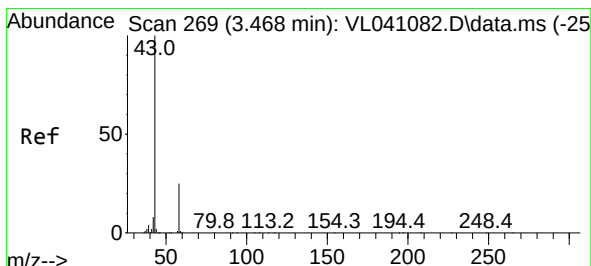
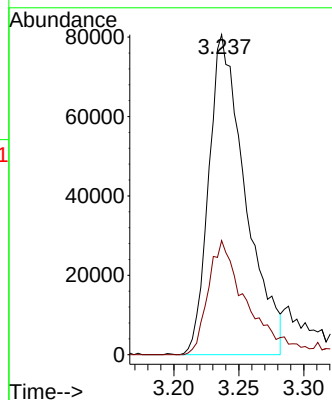
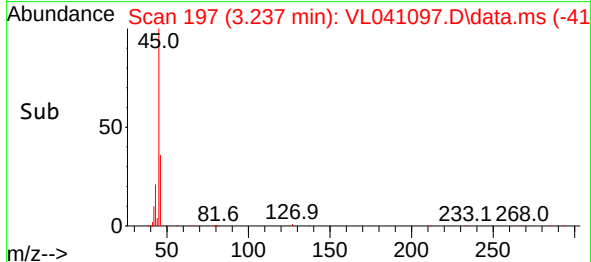
Instrument :
MSVOA_L
ClientSampleId :
IA1



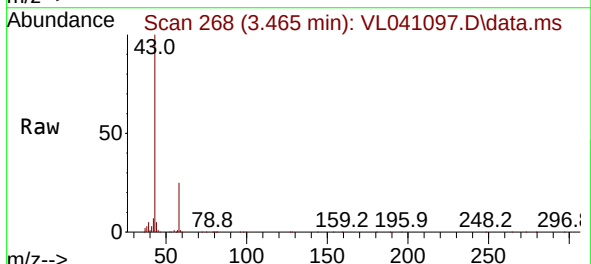
Tgt Ion: 45 Resp: 15817
Ion Ratio Lower Upper
45 100
46 41.0 14.6 58.2

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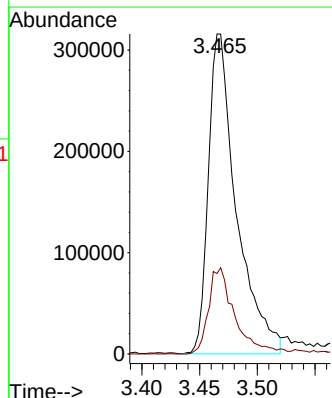
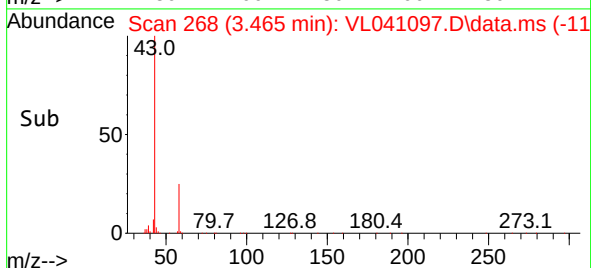
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

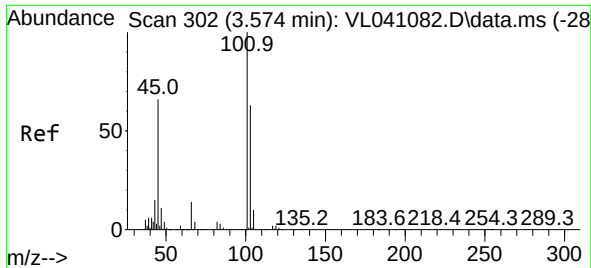


#15
Acetone
Concen: 3.853 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.003 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47



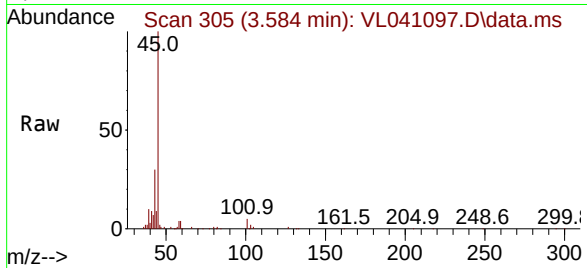
Tgt Ion: 43 Resp: 533855
Ion Ratio Lower Upper
43 100
58 27.7 21.7 32.5





#19
Isopropyl Alcohol
Concen: 1.799 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.016 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

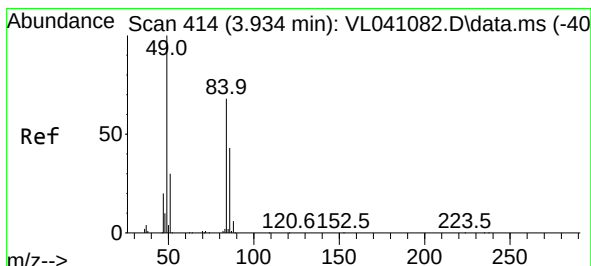
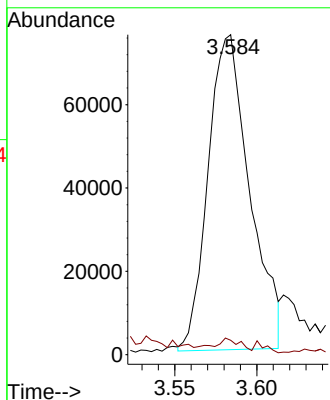
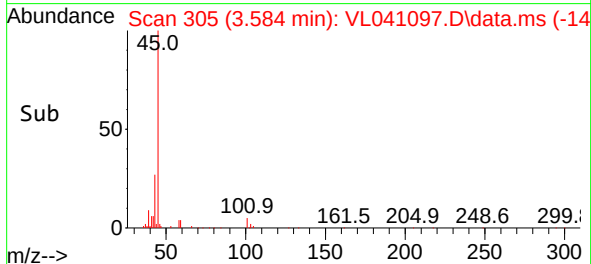
Instrument :
MSVOA_L
ClientSampleId :
IA1



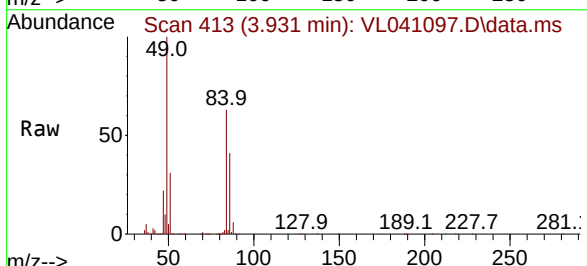
Tgt Ion: 45 Resp: 133150
Ion Ratio Lower Upper
45 100
58 111.2 2.2 3.4

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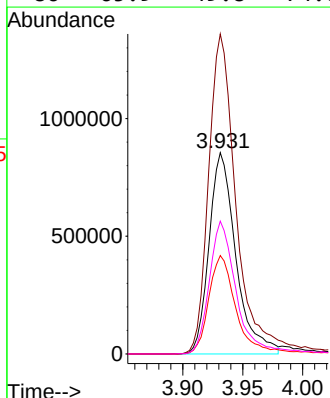
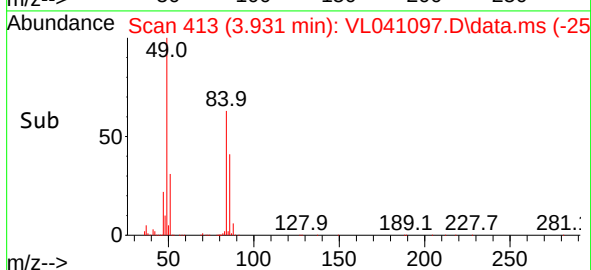
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024

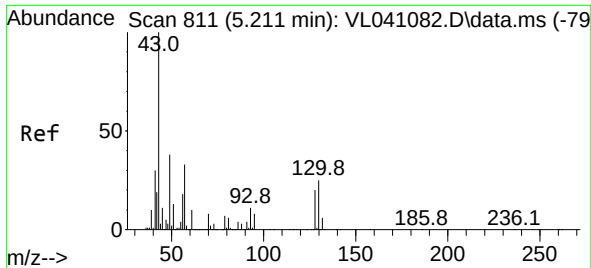


#20
Methylene Chloride
Concen: 24.654 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.003 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47



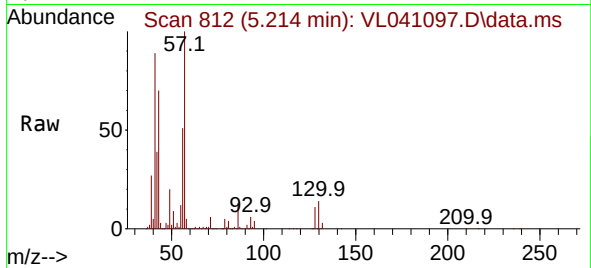
Tgt Ion: 84 Resp: 1331765
Ion Ratio Lower Upper
84 100
49 159.0 117.0 175.6
51 48.9 34.9 52.3
86 65.9 49.8 74.6





#25
Ethyl Acetate
Concen: 3.994 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.009 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

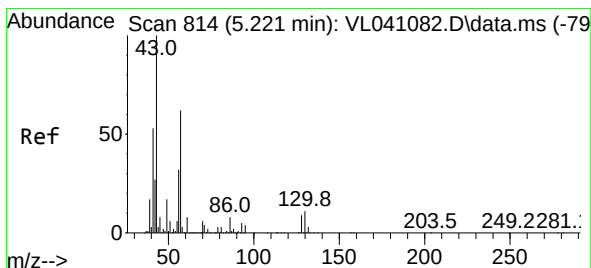
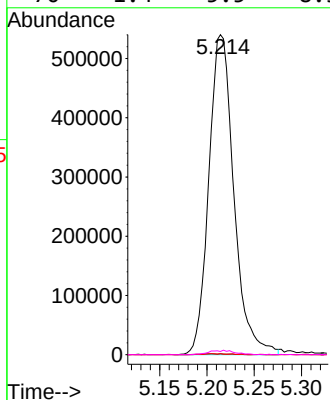
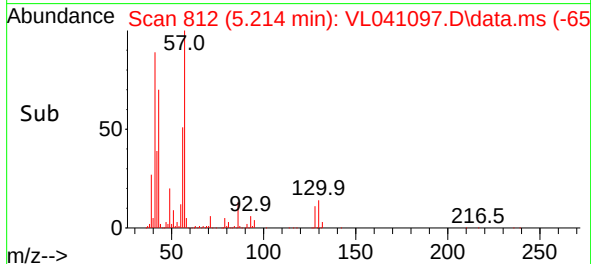
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 996960
Ion Ratio Lower Upper
43 100
45 0.4 8.2 12.2
61 0.3 8.2 12.2
70 1.4 5.5 8.3

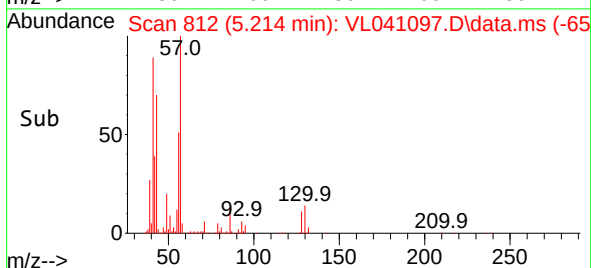
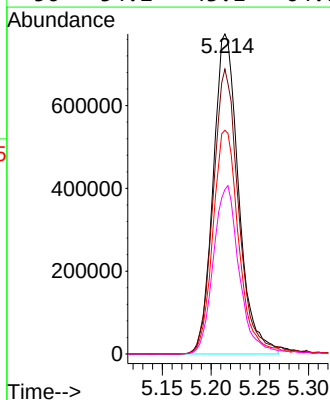
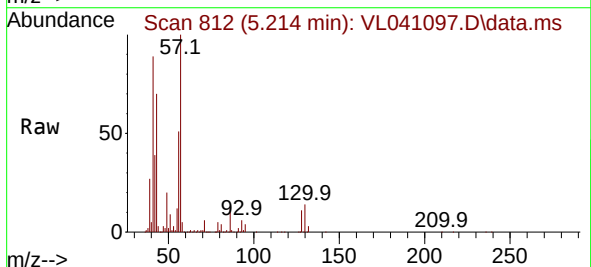
Manual Integrations
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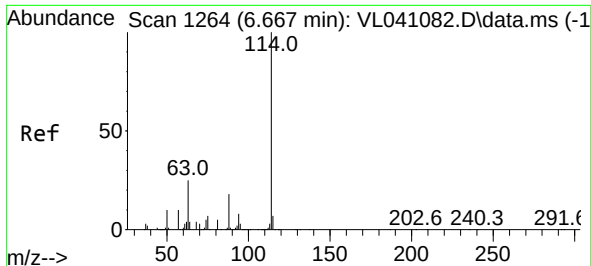
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#26
Hexane
Concen: 12.569 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.003 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

Tgt Ion: 57 Resp: 1402332
Ion Ratio Lower Upper
57 100
41 91.2 73.8 110.6
43 72.3 184.2 276.2
56 54.2 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL041097.D

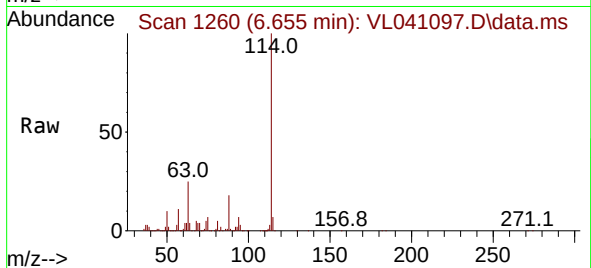
Acq: 12 Mar 2024 13:47

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:114 Resp: 315540

Ion Ratio Lower Upper

114 100

63 25.0 21.0 31.6

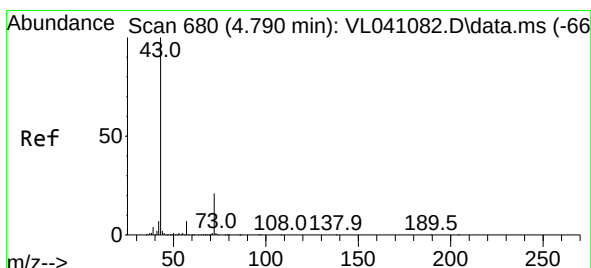
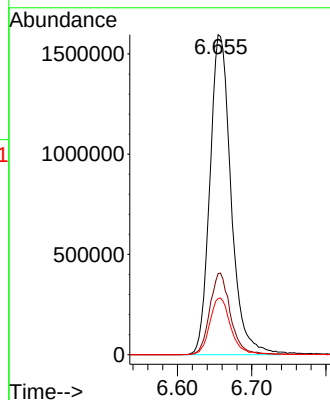
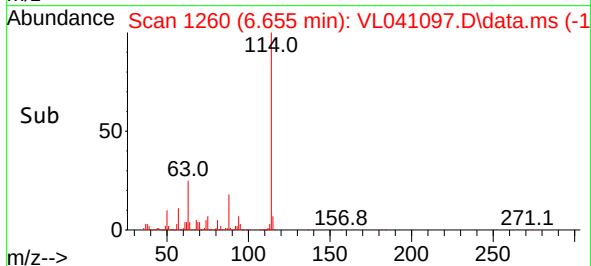
88 17.8 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/13/2024

Supervised By :Mahesh Dadoda 03/13/2024



#34

2-Butanone

Concen: 0.182 ppbv m

RT: 4.796 min Scan# 682

Delta R.T. 0.013 min

Lab File: VL041097.D

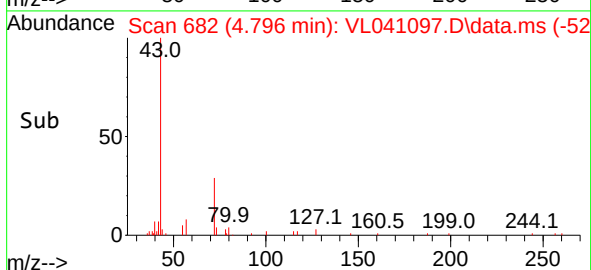
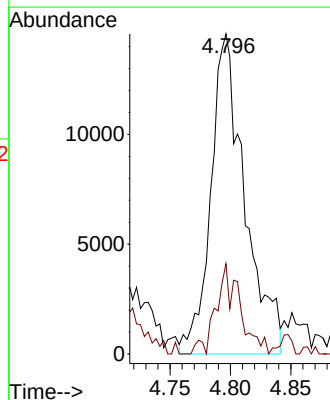
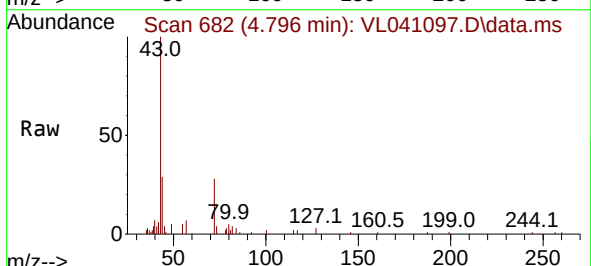
Acq: 12 Mar 2024 13:47

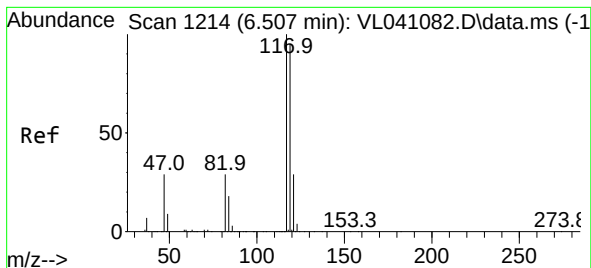
Tgt Ion: 43 Resp: 28492

Ion Ratio Lower Upper

43 100

72 20.2 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.071 ppbv m

RT: 6.497 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041097.D

Acq: 12 Mar 2024 13:47

Instrument :

MSVOA_L

ClientSampleId :

IA1

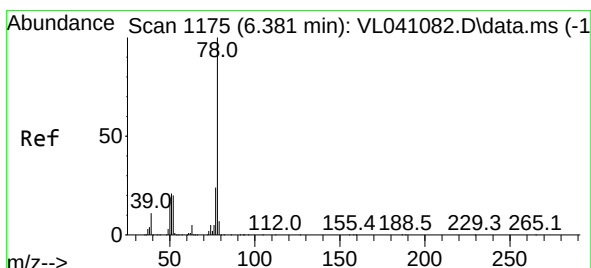
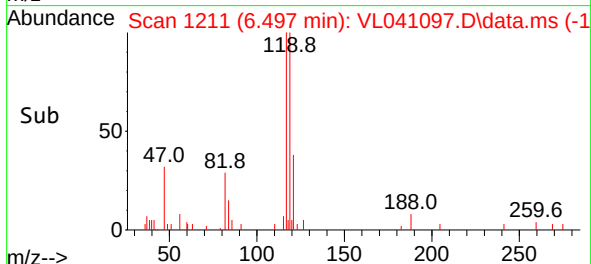
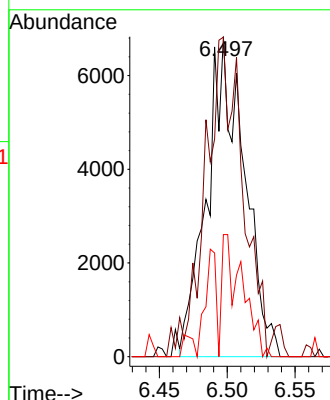
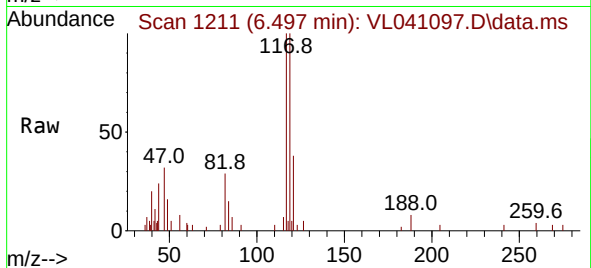
Tgt Ion:	117	Resp:	13072
Ion	Ratio	Lower	Upper
117	100		
119	99.9	75.6	113.4
121	38.1	23.4	35.2

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Reviewed By :Semsettin Yesilyurt 03/13/2024

Supervised By :Mahesh Dadoda 03/13/2024



#36

Benzene

Concen: 0.215 ppbv

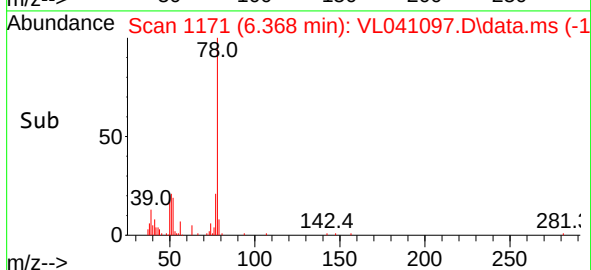
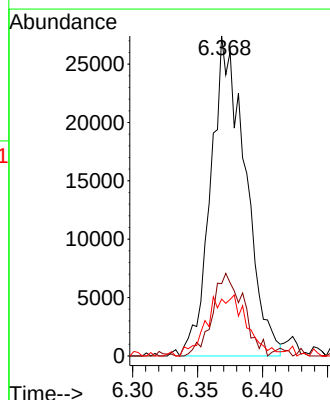
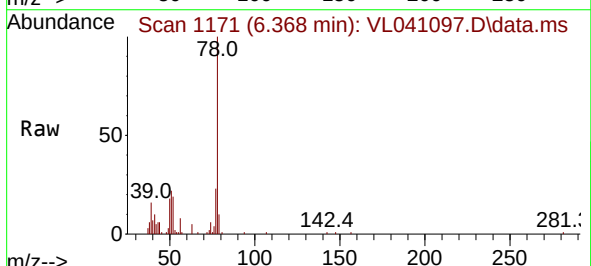
RT: 6.368 min Scan# 1171

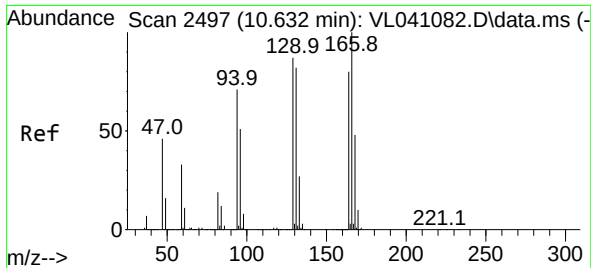
Delta R.T. -0.003 min

Lab File: VL041097.D

Acq: 12 Mar 2024 13:47

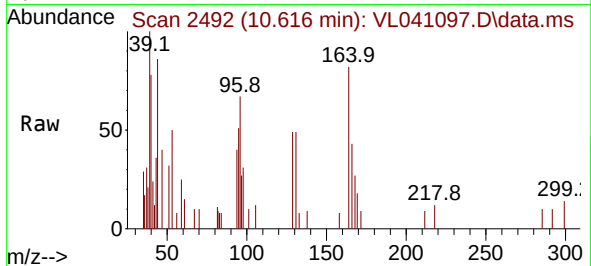
Tgt Ion:	78	Resp:	50611
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.8	28.2
50	17.8	15.5	23.3





#52
Tetrachloroethene
Concen: 0.043 ppbv m
RT: 10.616 min Scan# 2497
Delta R.T. -0.007 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

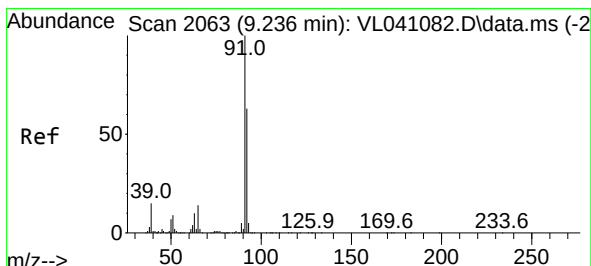
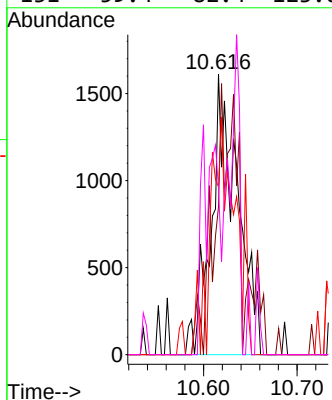
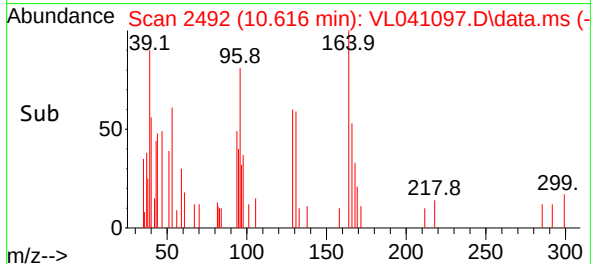
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 3162
Ion Ratio Lower Upper
164 100
166 52.7 100.6 150.8
129 59.9 87.2 130.8
131 59.4 82.4 123.6#

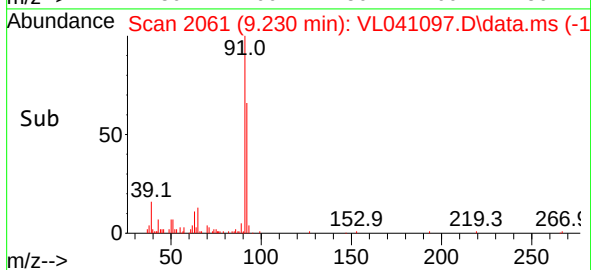
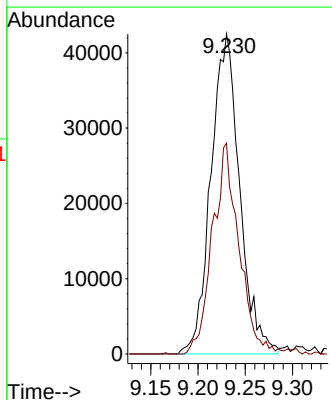
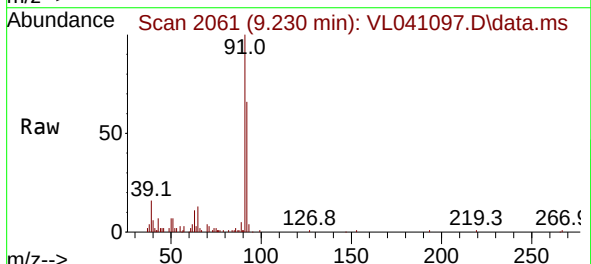
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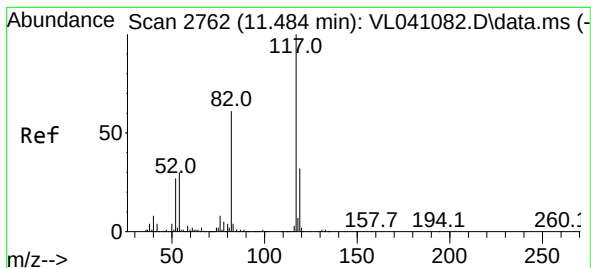
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#53
Toluene
Concen: 0.355 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

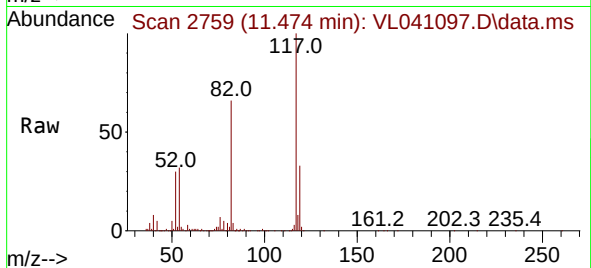
Tgt Ion: 91 Resp: 89850
Ion Ratio Lower Upper
91 100
92 61.4 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

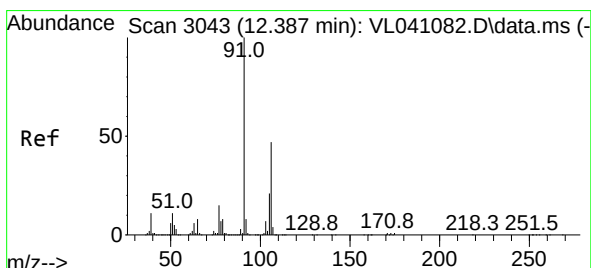
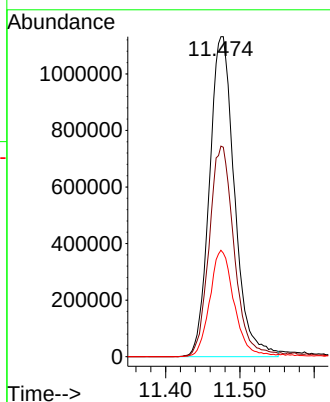
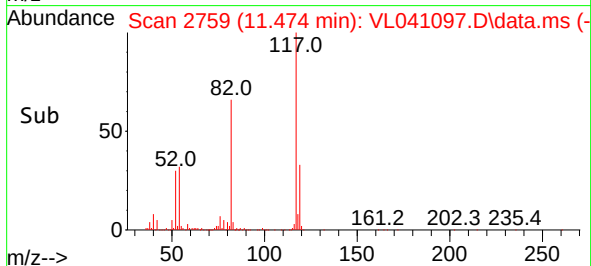
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:117 Resp: 2651040
Ion Ratio Lower Upper
117 100
82 67.8 51.4 77.2
119 32.9 23.7 35.5

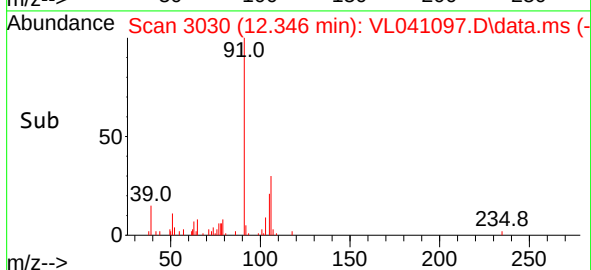
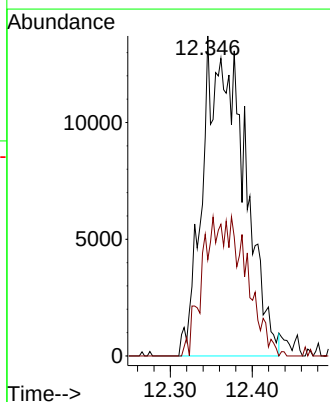
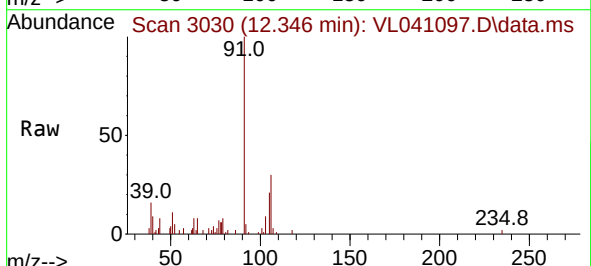
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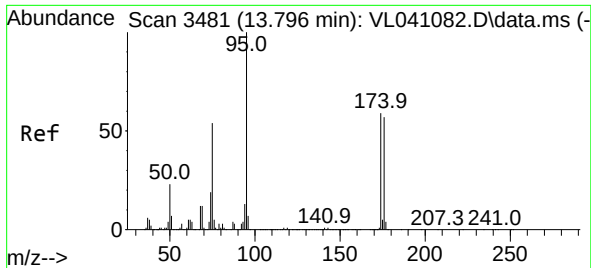
Reviewed By :Semsettin Yesilyurt 03/13/2024
Supervised By :Mahesh Dadoda 03/13/2024



#59
m/p-Xylene
Concen: 0.174 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.036 min
Lab File: VL041097.D
Acq: 12 Mar 2024 13:47

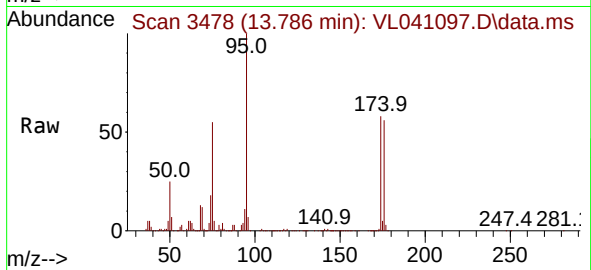
Tgt Ion: 91 Resp: 47476
Ion Ratio Lower Upper
91 100
106 45.8 35.4 53.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.685 ppbv
 RT: 13.786 min Scan# 3481
 Delta R.T. 0.003 min
 Lab File: VL041097.D
 Acq: 12 Mar 2024 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt Ion: 95 Resp: 2007379
 Ion Ratio Lower Upper
 95 100
 174 61.5 47.8 71.8
 175 4.6 3.5 5.3

Manual Integrations
 APPROVED

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

