

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039263.D
 Acq On : 13 Jun 2022 22:37
 Operator : SY/AP
 Sample : N3306-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:34:55 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1150833	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	2481682	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2196440	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	2041481	11.242	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	56314	0.279	ppbv	97
3) Chlorodifluoromethane	2.993	51	78458m	0.536	ppbv	
4) Chloromethane	3.140	50	35755m	0.475	ppbv	
9) Propene	3.028	41	305036m	4.777	ppbv	
10) Heptane	8.124	43	41029m	0.275	ppbv	
11) Trichlorofluoromethane	3.957	101	55602	0.304	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.481	101	13282m	0.110	ppbv	
13) Ethanol	3.613	45	1170323	336.103	ppbv #	100
15) Acetone	3.848	43	8188040	68.302	ppbv #	81
19) Isopropyl Alcohol	3.976	45	4424735	78.694	ppbv	100
20) Methylene Chloride	4.349	84	552503	10.937	ppbv	97
26) Hexane	5.690	57	317134	2.671	ppbv #	43
34) 2-Butanone	5.247	43	227662	1.689	ppbv	100
35) Carbon Tetrachloride	7.021	117	13467m	0.074	ppbv	
36) Benzene	6.893	78	82641	0.410	ppbv	94
44) 2,2,4-Trimethylpentane	7.870	57	82568	0.234	ppbv #	69
50) 4-Methyl-2-Pentanone	8.751	43	40411m	0.200	ppbv	
52) Tetrachloroethene	11.224	164	116555m	1.482	ppbv	
53) Toluene	9.806	91	332629	1.434	ppbv	99
58) Ethyl Benzene	12.712	91	106584m	0.352	ppbv	
59) m/p-Xylene	12.963	91	209759m	0.787	ppbv	
60) o-Xylene	13.690	91	79729	0.318	ppbv	95
61) Styrene	13.529	104	195812	1.461	ppbv	94
69) p-Isopropyltoluene	17.645	119	246748m	0.630	ppbv	
73) 1,3,5-Trimethylbenzene	15.998	105	31417m	0.119	ppbv	
74) 1,2,4-Trimethylbenzene	16.757	105	117974	0.399	ppbv #	61
76) 1,4-Dichlorobenzene	17.127	146	25728m	0.154	ppbv	
79) Naphthalene	22.201	128	25152m	0.111	ppbv	

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

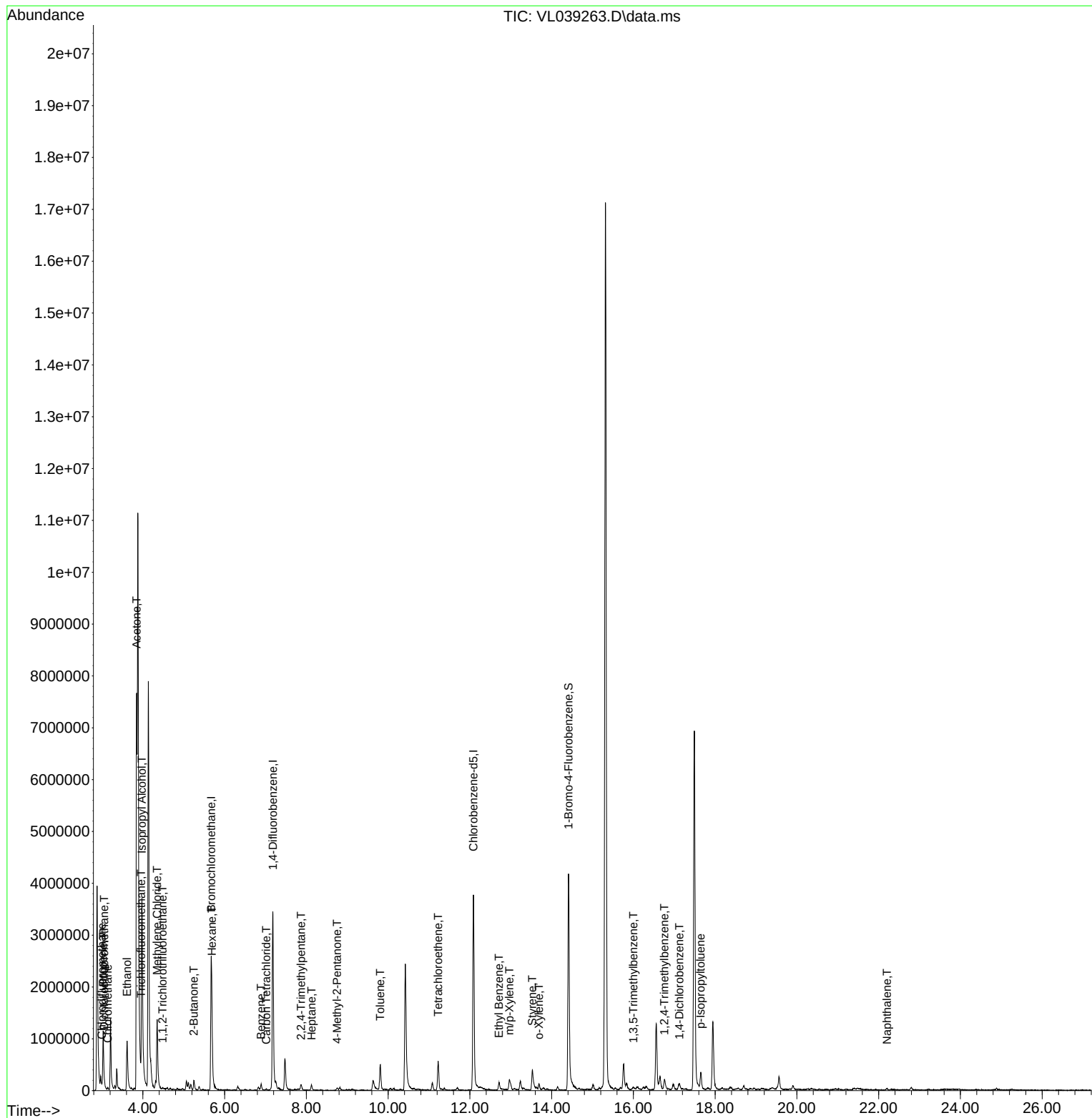
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
Data File : VL039263.D
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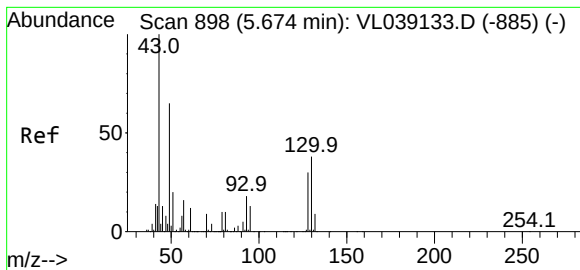
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jun 14 01:34:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
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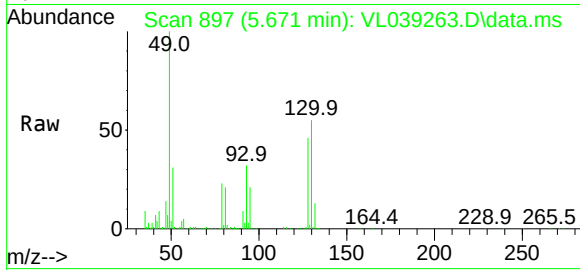
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

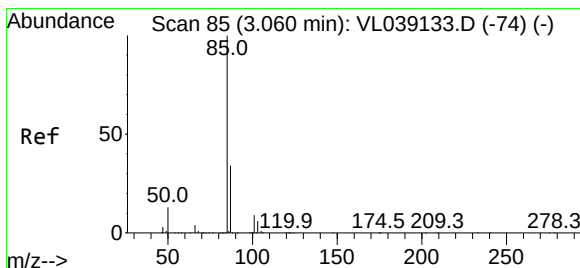
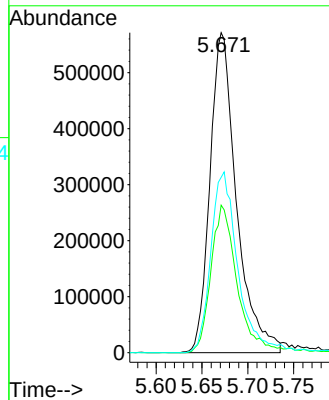
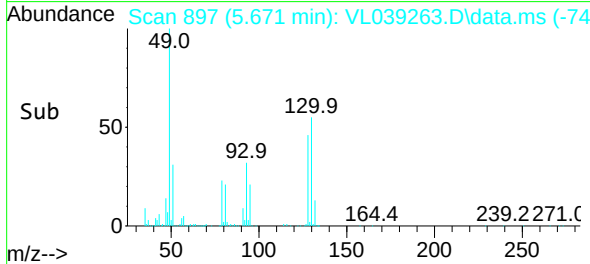
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 115083
Ion Ratio Lower Upper
49 100
128 46.5 24.7 74.1
130 58.9 31.4 94.0

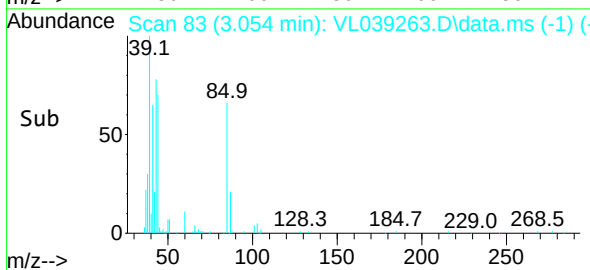
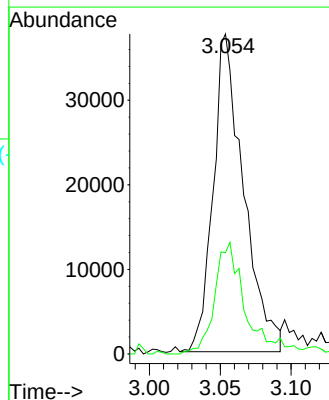
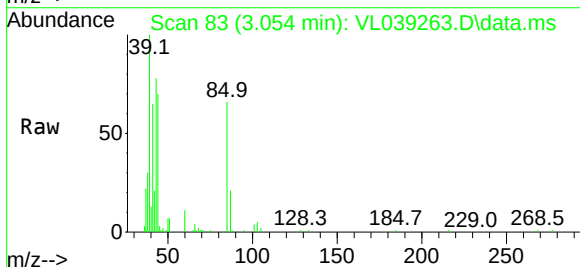
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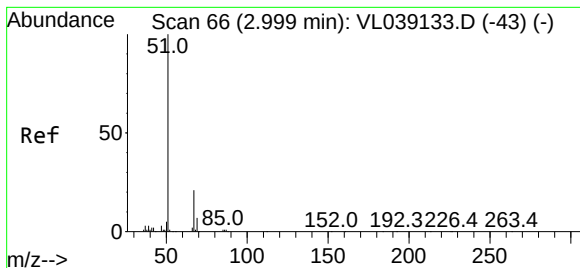
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#2
Dichlorodifluoromethane
Concen: 0.279 ppbv
RT: 3.054 min Scan# 83
Delta R.T. -0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

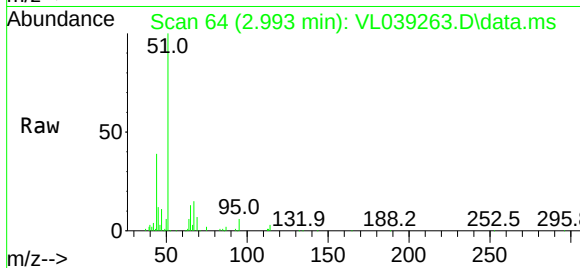
Tgt Ion: 85 Resp: 56314
Ion Ratio Lower Upper
85 100
87 31.9 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.536 ppbv m
RT: 2.993 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

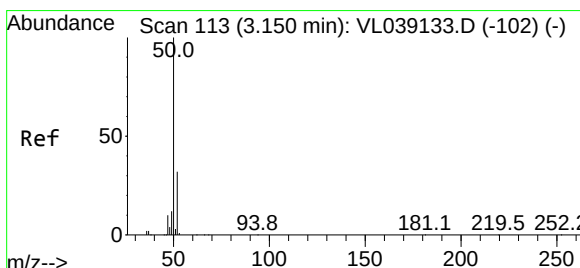
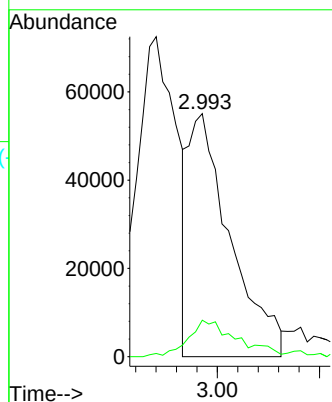
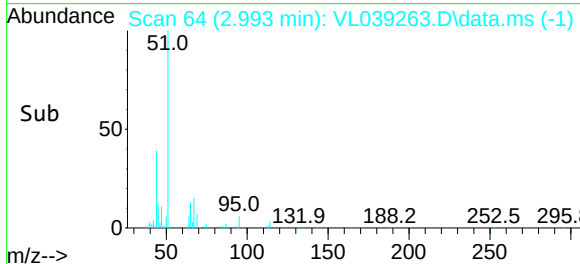
Instrument : MSVOA_L
ClientSampleId : IA-1



Tgt Ion: 51 Resp: 78458
Ion Ratio Lower Upper
51 100
67 19.6 16.2 24.4

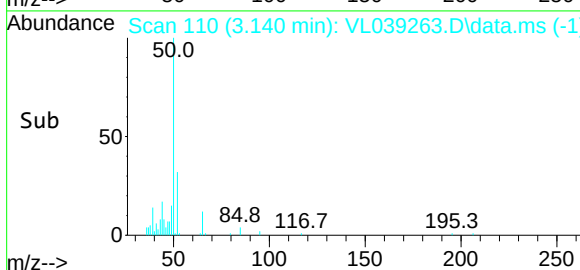
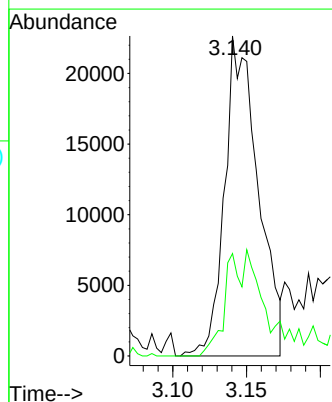
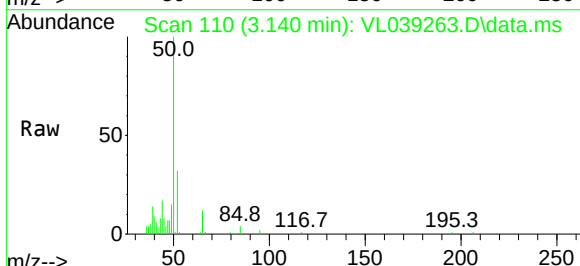
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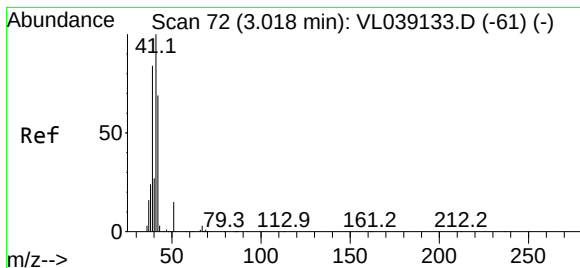
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#4
Chloromethane
Concen: 0.475 ppbv m
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

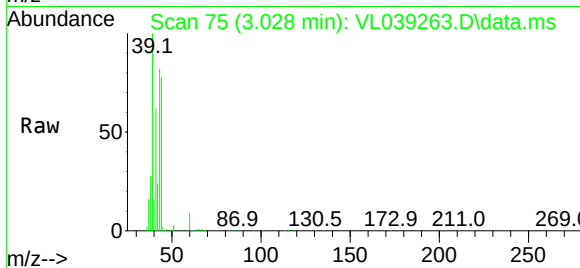
Tgt Ion: 50 Resp: 35755
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9





#9
 Propene
 Concen: 4.777 ppbv m
 RT: 3.028 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL039263.D
 Acq: 13 Jun 2022 22:37

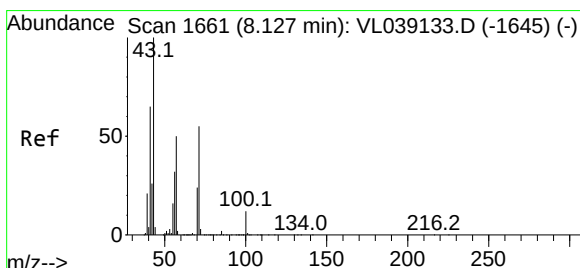
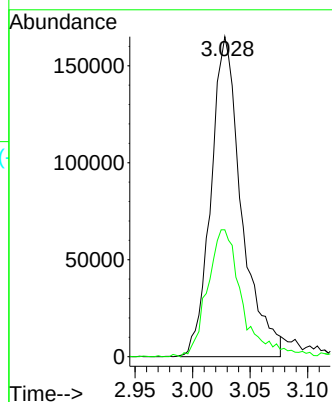
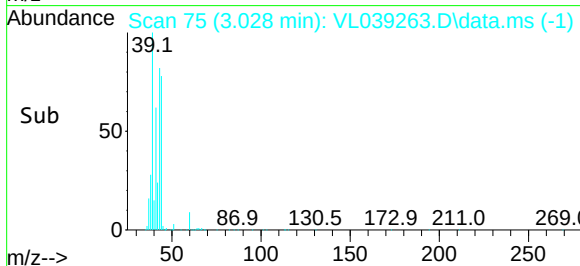
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1



Tgt Ion: 41 Resp: 305030
 Ion Ratio Lower Upper
 41 100
 42 99.7 55.4 83.2

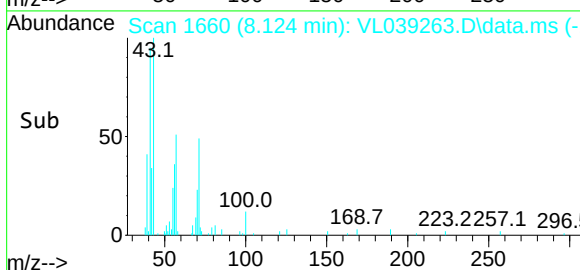
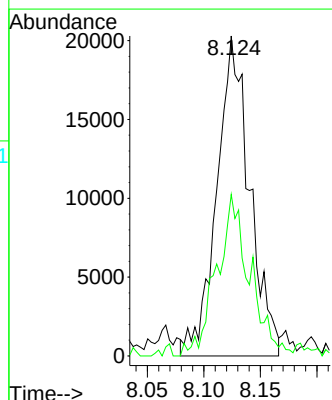
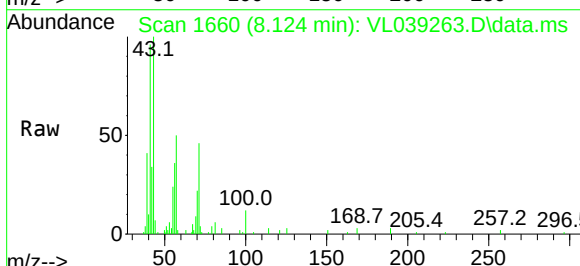
Manual Integrations
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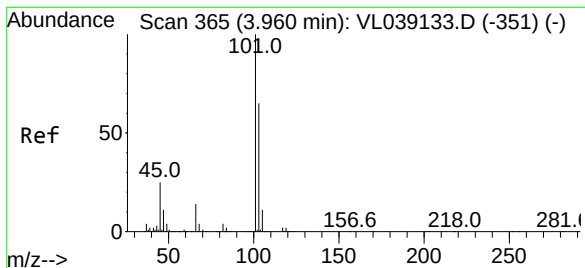
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#10
 Heptane
 Concen: 0.275 ppbv m
 RT: 8.124 min Scan# 1660
 Delta R.T. -0.003 min
 Lab File: VL039263.D
 Acq: 13 Jun 2022 22:37

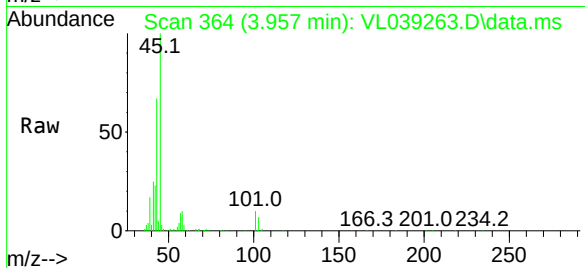
Tgt Ion: 43 Resp: 41029
 Ion Ratio Lower Upper
 43 100
 57 52.8 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 0.304 ppbv
 RT: 3.957 min Scan# 301
 Delta R.T. -0.003 min
 Lab File: VL039263.D
 Acq: 13 Jun 2022 22:37

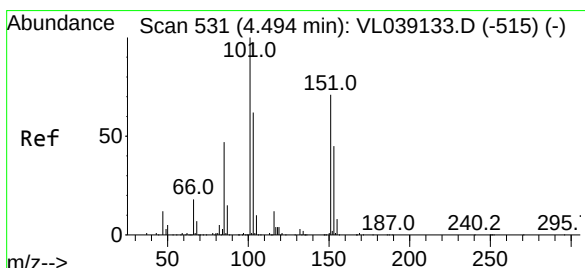
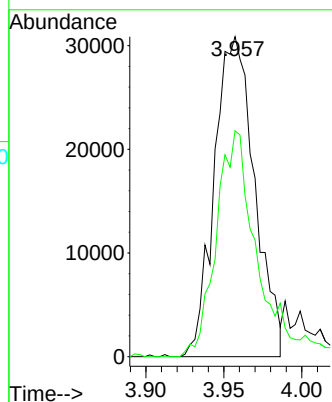
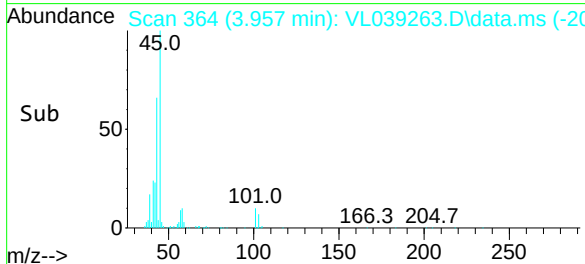
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1



Tgt Ion:101 Resp: 55602
 Ion Ratio Lower Upper
 101 100
 103 69.5 51.7 77.5

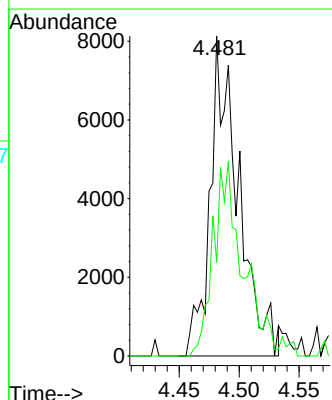
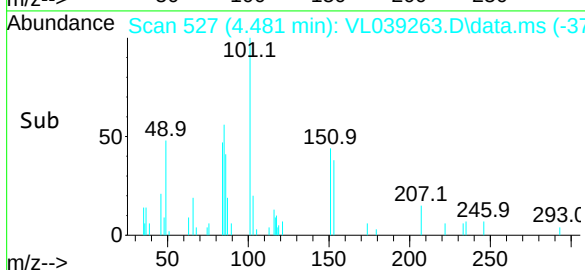
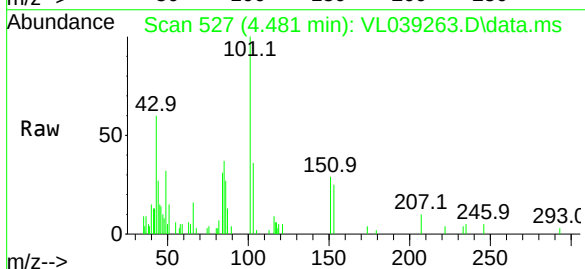
Manual Integrations
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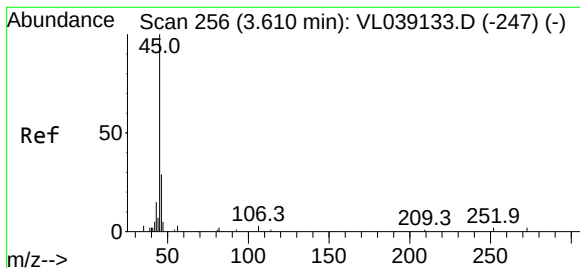
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.110 ppbv m
 RT: 4.481 min Scan# 527
 Delta R.T. -0.013 min
 Lab File: VL039263.D
 Acq: 13 Jun 2022 22:37

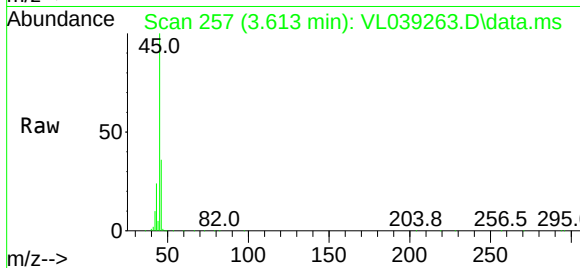
Tgt Ion:101 Resp: 13282
 Ion Ratio Lower Upper
 101 100
 151 65.0 59.4 89.0





#13
Ethanol
Concen: 336.103 ppbv
RT: 3.613 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

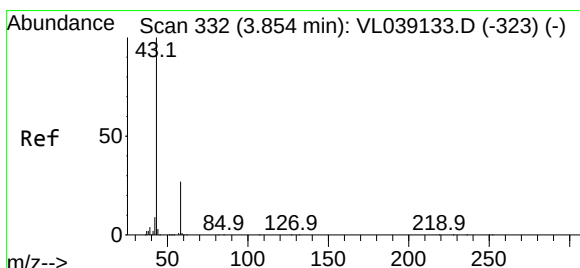
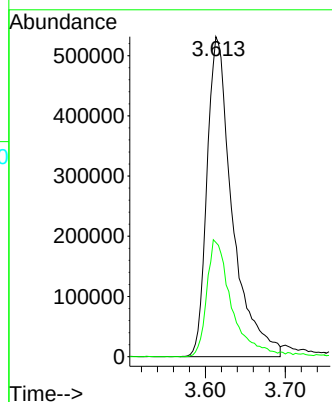
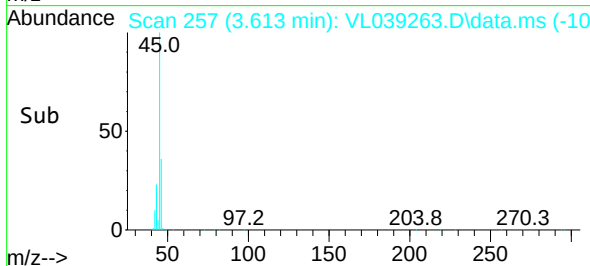
Instrument :
MSVOA_L
ClientSampleId :
IA-1



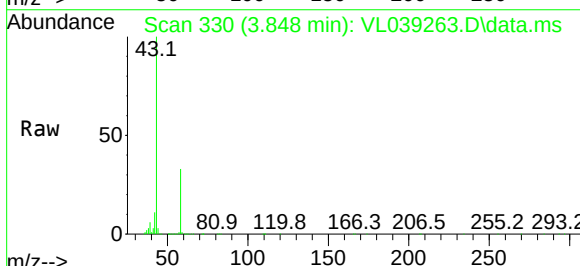
Tgt Ion: 45 Resp: 117032
Ion Ratio Lower Upper
45 100
46 37.1 0.0 0.0

Manual Integrations
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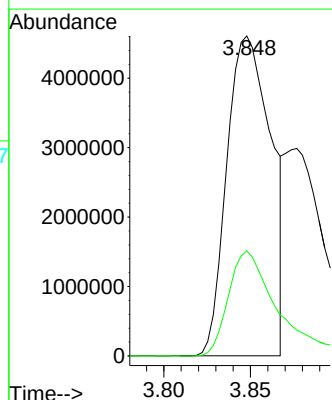
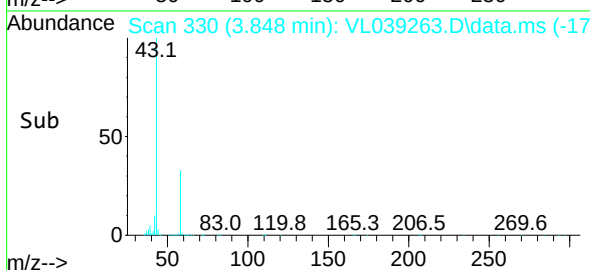
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

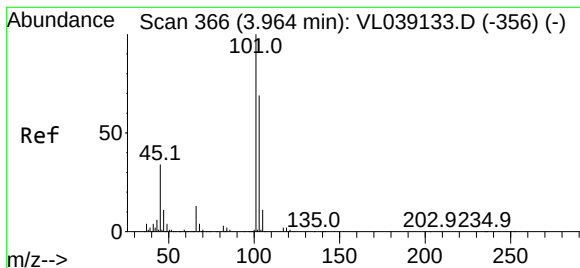


#15
Acetone
Concen: 68.302 ppbv
RT: 3.848 min Scan# 330
Delta R.T. -0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



Tgt Ion: 43 Resp: 8188040
Ion Ratio Lower Upper
43 100
58 38.0 22.5 33.7





#19

Isopropyl Alcohol

Concen: 78.694 ppbv

RT: 3.976 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion: 45 Resp: 442473

Ion Ratio Lower Upper

45 100

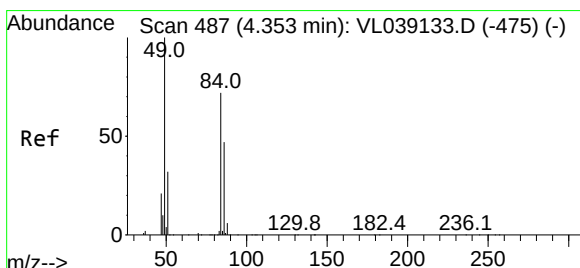
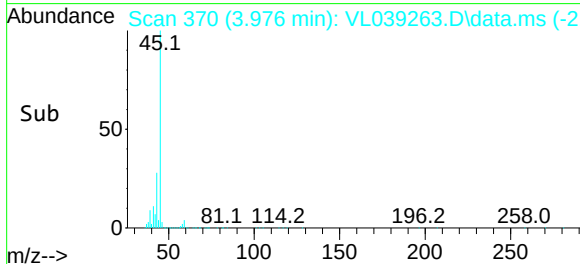
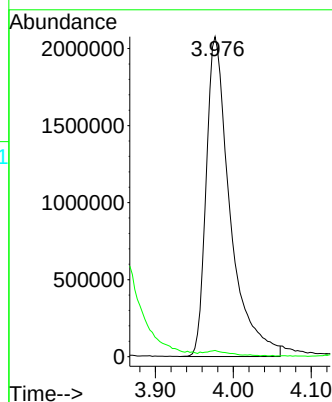
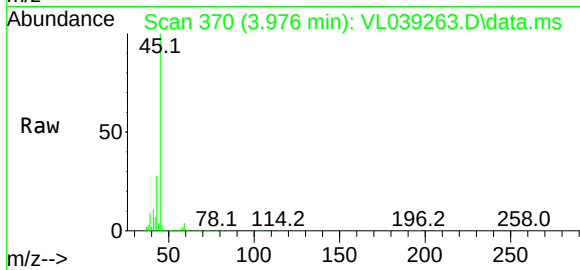
58 2.3 1.8 2.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#20

Methylene Chloride

Concen: 10.937 ppbv

RT: 4.349 min Scan# 486

Delta R.T. -0.003 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Tgt Ion: 84 Resp: 552503

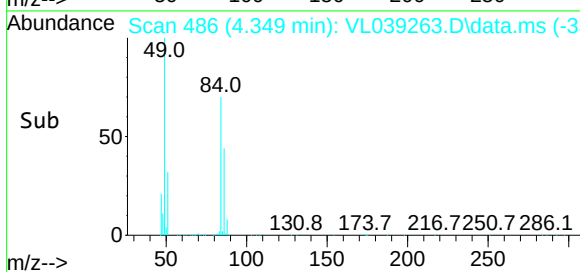
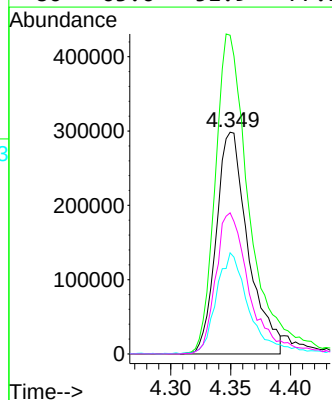
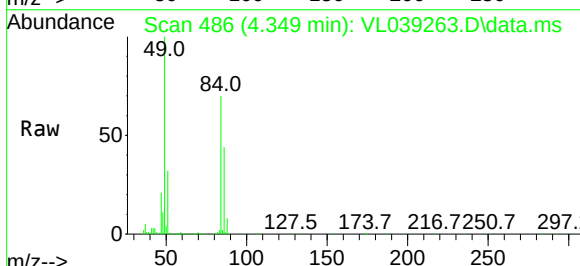
Ion Ratio Lower Upper

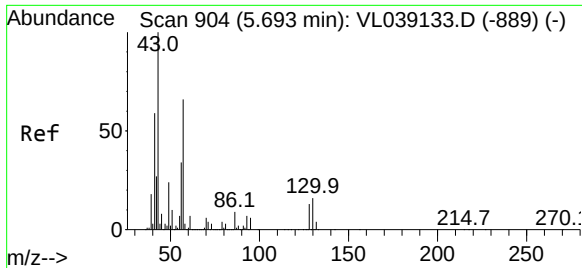
84 100

49 143.6 111.1 166.7

51 45.4 35.3 52.9

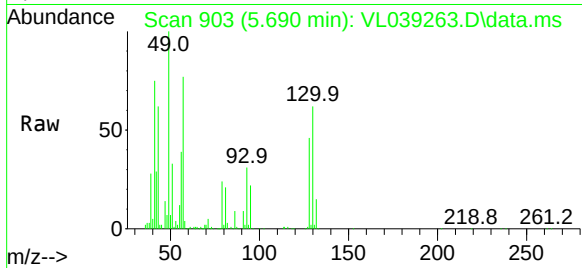
86 63.6 51.9 77.9





#26
Hexane
Concen: 2.671 ppbv
RT: 5.690 min Scan# 904
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

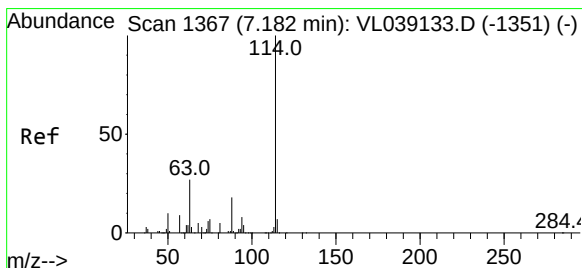
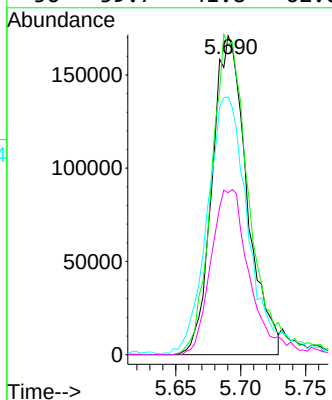
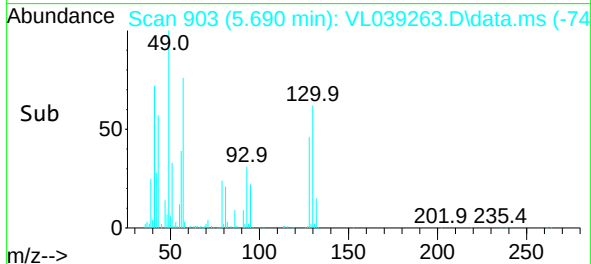
Instrument :
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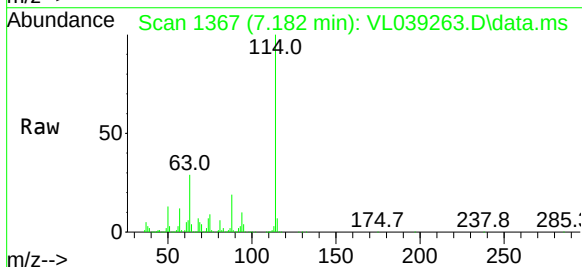
Tgt Ion: 57 Resp: 317134
Ion Ratio Lower Upper
57 100
41 111.5 72.4 108.6
43 97.5 187.0 280.6
56 59.7 41.8 62.6

Manual Integrations
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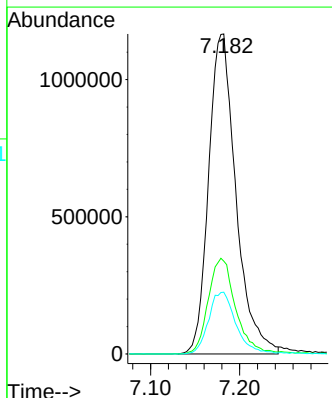
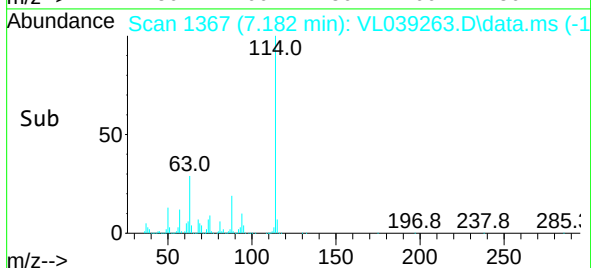
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

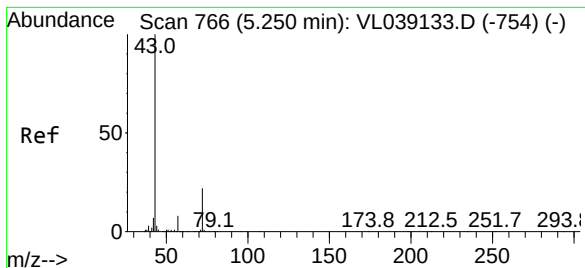


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.182 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



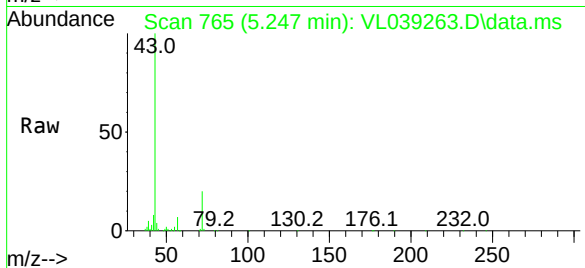
Tgt Ion:114 Resp: 2481682
Ion Ratio Lower Upper
114 100
63 30.5 21.7 32.5
88 19.8 14.8 22.2





#34
2-Butanone
Concen: 1.689 ppbv
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

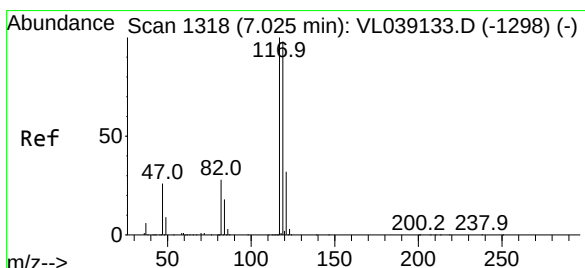
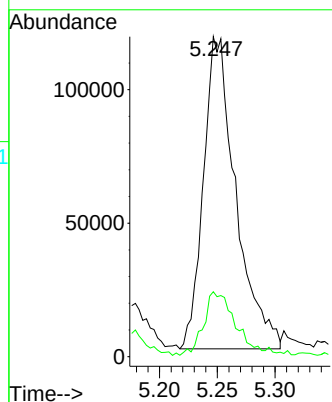
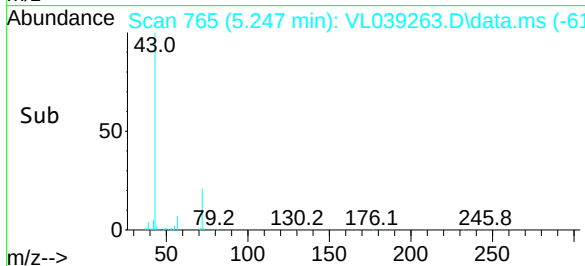
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp: 227662
Ion Ratio Lower Upper
43 100
72 22.5 18.2 27.2

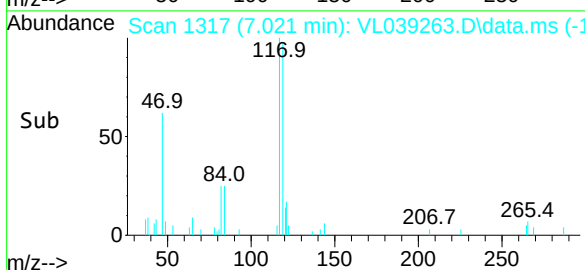
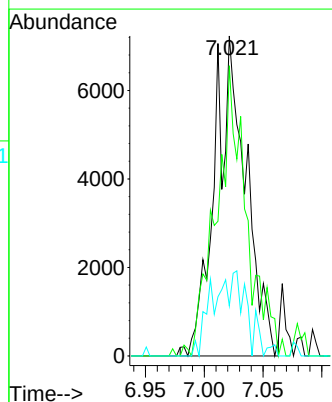
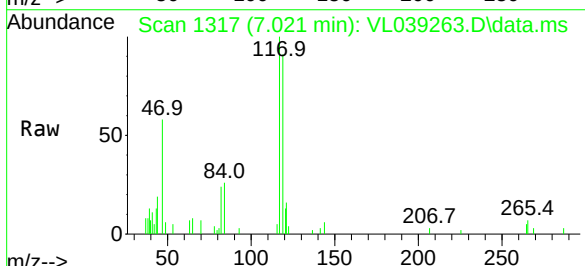
Manual Integrations
APPROVED

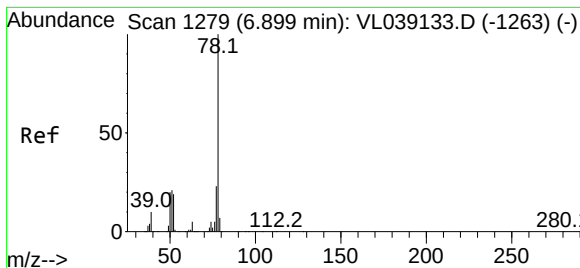
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#35
Carbon Tetrachloride
Concen: 0.074 ppbv m
RT: 7.021 min Scan# 1317
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

Tgt Ion:117 Resp: 13467
Ion Ratio Lower Upper
117 100
119 90.7 78.6 118.0
121 15.7 25.4 38.0#





#36

Benzene

Concen: 0.410 ppbv

RT: 6.893 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL039263.D

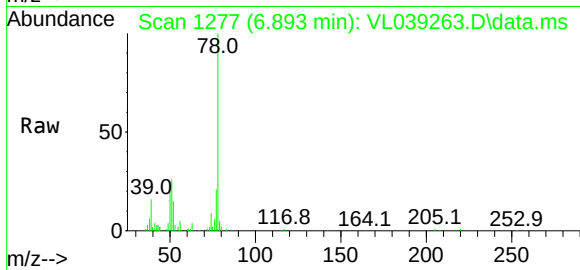
Acq: 13 Jun 2022 22:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1



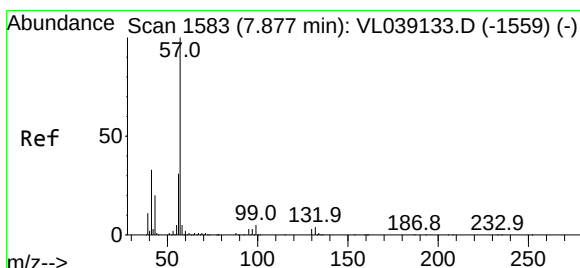
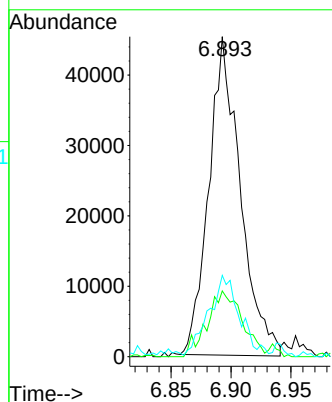
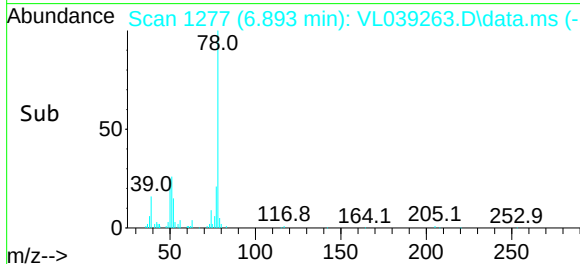
Tgt Ion: 78 Resp: 8264

Ion	Ratio	Lower	Upper
78	100		
77	20.7	18.6	27.8
50	23.0	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#44

2,2,4-Trimethylpentane

Concen: 0.234 ppbv

RT: 7.870 min Scan# 1581

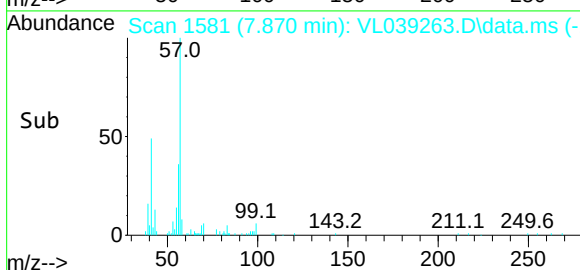
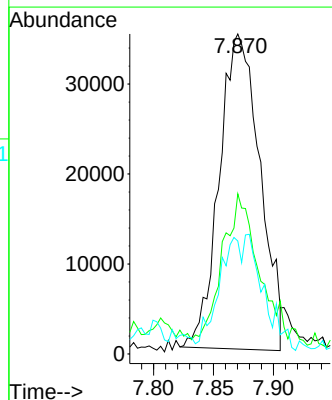
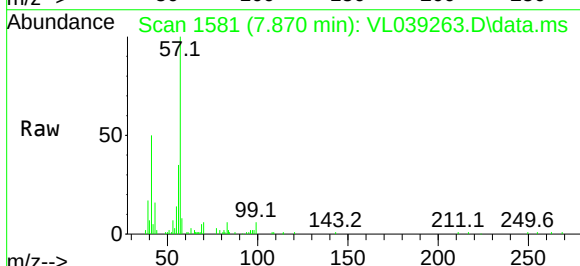
Delta R.T. -0.006 min

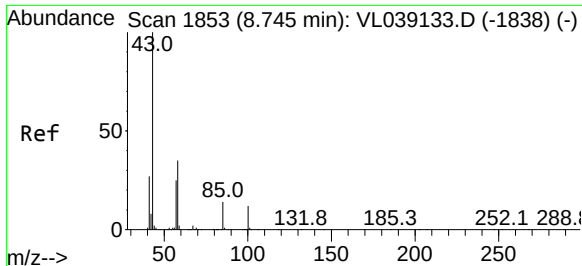
Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Tgt Ion: 57 Resp: 82568

Ion	Ratio	Lower	Upper
57	100		
41	52.8	26.2	39.4#
56	45.3	24.7	37.1#





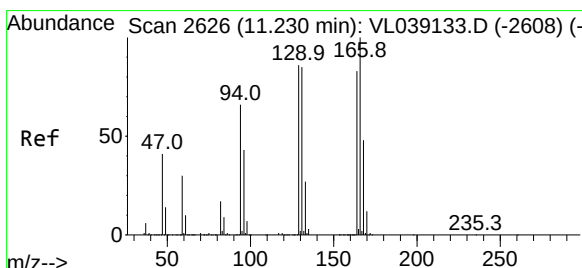
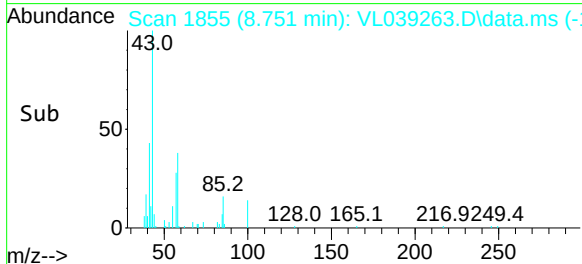
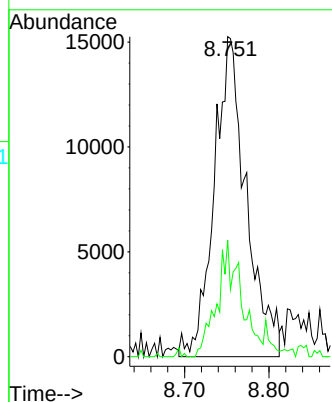
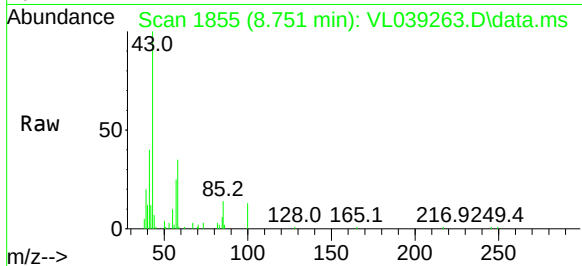
#50
4-Methyl-2-Pentanone
Concen: 0.200 ppbv m
RT: 8.751 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 30.1 28.7 43.1

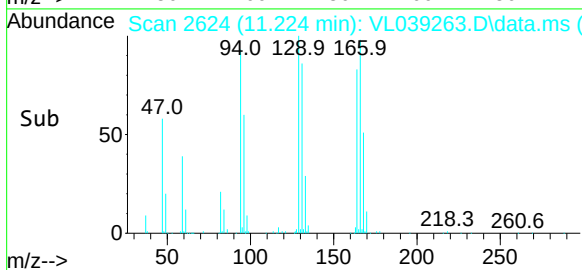
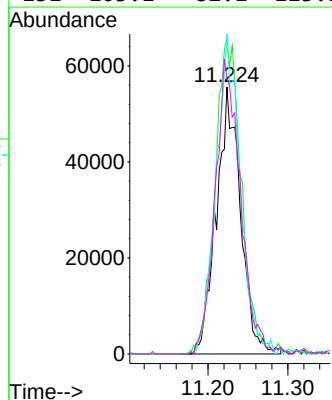
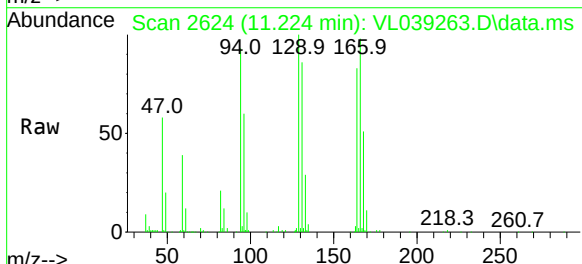
Manual Integrations
APPROVED

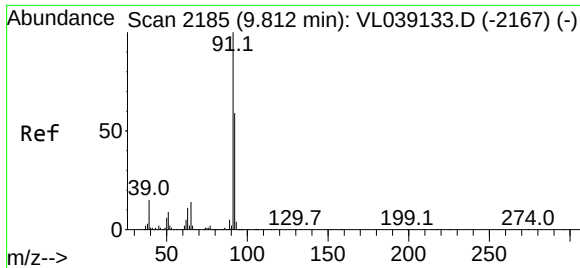
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#52
Tetrachloroethene
Concen: 1.482 ppbv m
RT: 11.224 min Scan# 2624
Delta R.T. -0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

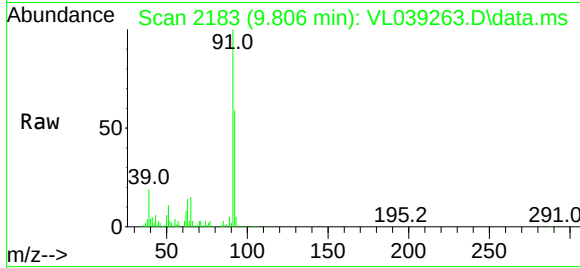
Tgt Ion:164 Resp: 116555
Ion Ratio Lower Upper
164 100
166 117.9 96.3 144.5
129 119.8 82.5 123.7
131 103.1 82.1 123.1





#53
Toluene
Concen: 1.434 ppbv
RT: 9.806 min Scan# 2185
Delta R.T. -0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

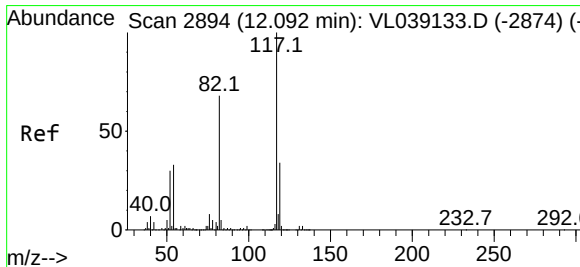
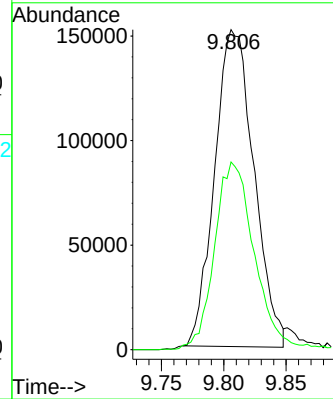
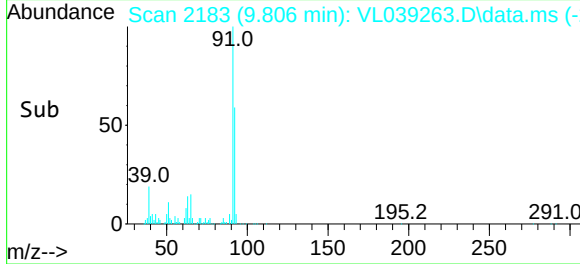
Instrument :
MSVOA_L
ClientSampleId :
IA-1



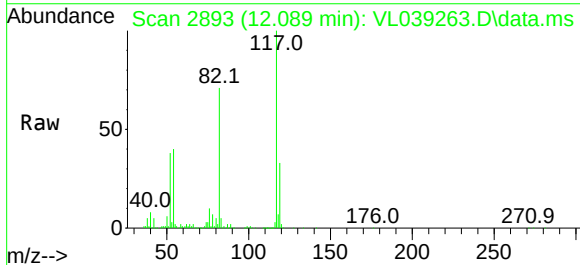
Tgt Ion: 91 Resp: 332629
Ion Ratio Lower Upper
91 100
92 60.7 48.1 72.1

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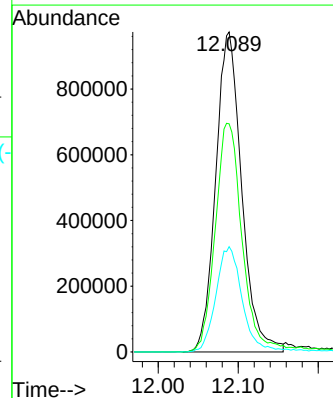
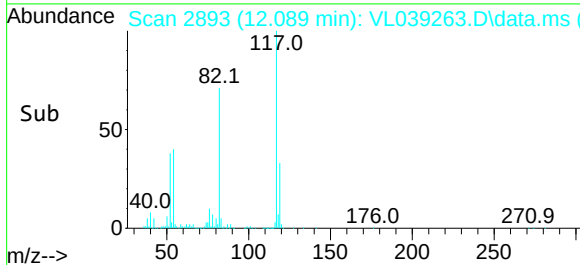
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

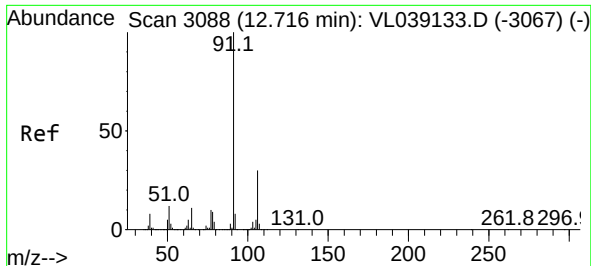


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2893
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



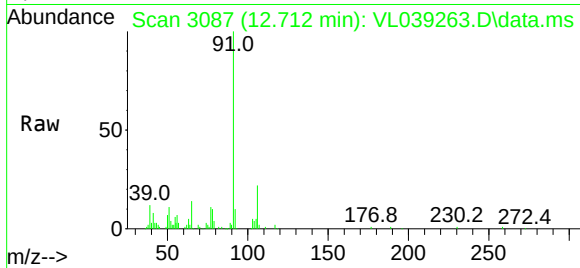
Tgt Ion:117 Resp: 2196440
Ion Ratio Lower Upper
117 100
82 74.9 55.1 82.7
119 33.8 24.7 37.1





#58
Ethyl Benzene
Concen: 0.352 ppbv m
RT: 12.712 min Scan# 3088
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

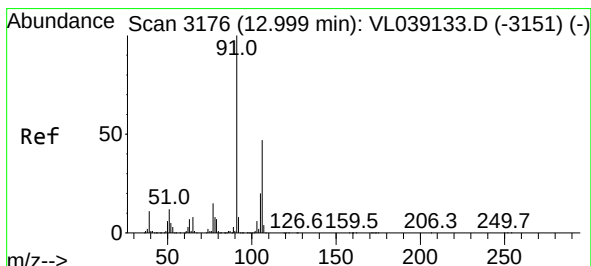
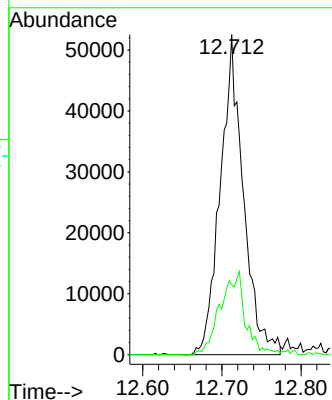
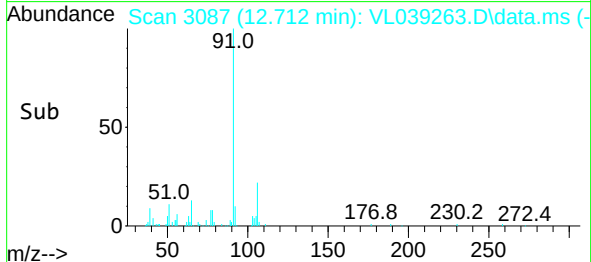
Instrument : MSVOA_L
ClientSampleId : IA-1



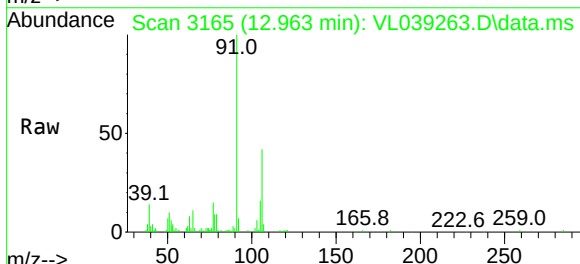
Tgt Ion: 91 Resp: 106584
Ion Ratio Lower Upper
91 100
106 21.8 24.2 36.4

Manual Integrations
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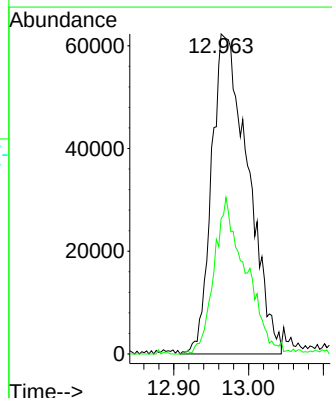
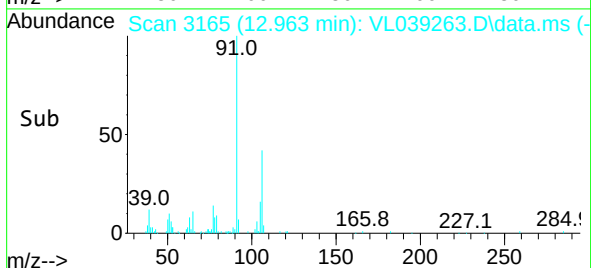
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

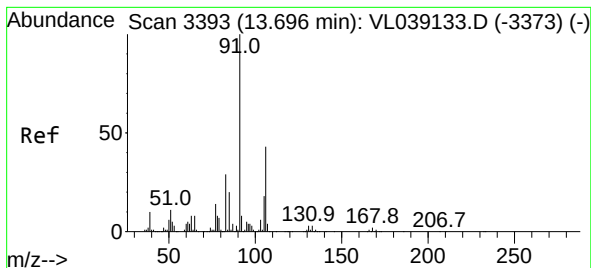


#59
m/p-Xylene
Concen: 0.787 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.035 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



Tgt Ion: 91 Resp: 209759
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5





#60

o-Xylene

Concen: 0.318 ppbv

RT: 13.690 min Scan# 3393

Delta R.T. -0.006 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Instrument :

MSVOA_L

ClientSampleId :

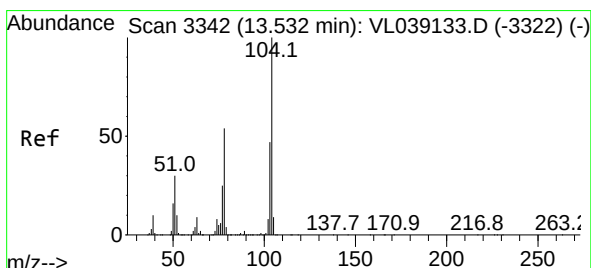
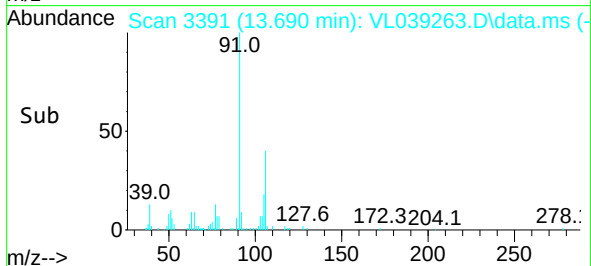
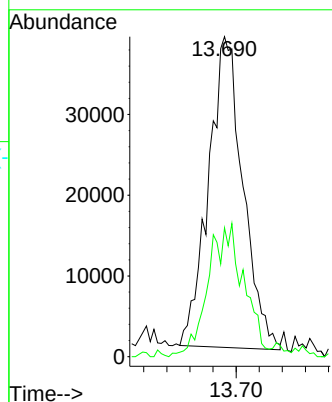
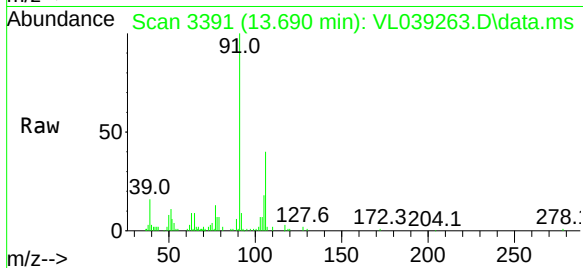
IA-1

Tgt Ion: 91 Resp: 79729
 Ion Ratio Lower Upper
 91 100
 106 47.6 22.3 66.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#61

Styrene

Concen: 1.461 ppbv

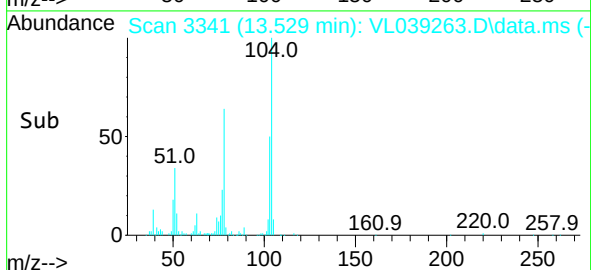
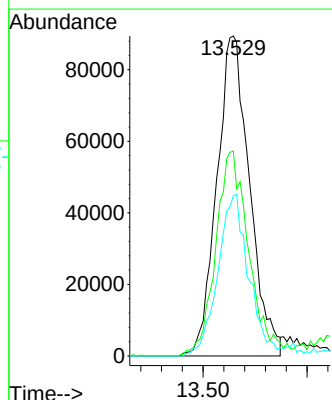
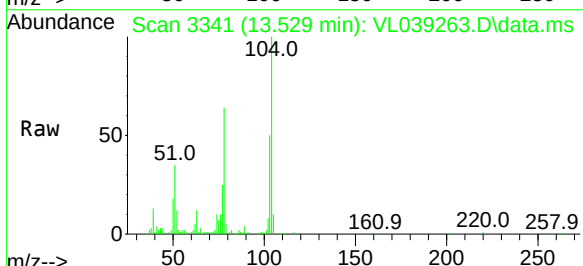
RT: 13.529 min Scan# 3341

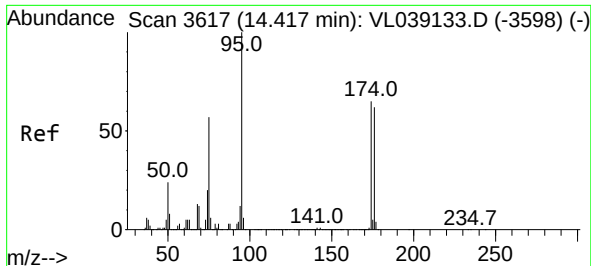
Delta R.T. -0.003 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

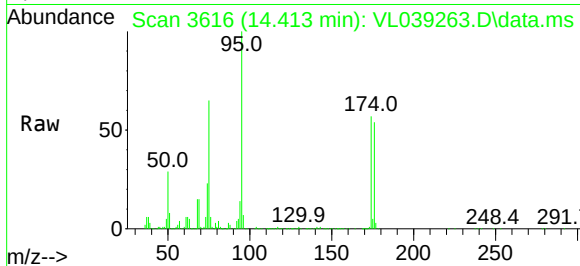
Tgt Ion:104 Resp: 195812
 Ion Ratio Lower Upper
 104 100
 78 65.0 45.7 68.5
 103 50.4 39.6 59.4





#68
1-Bromo-4-Fluorobenzene
Concen: 11.242 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. -0.003 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

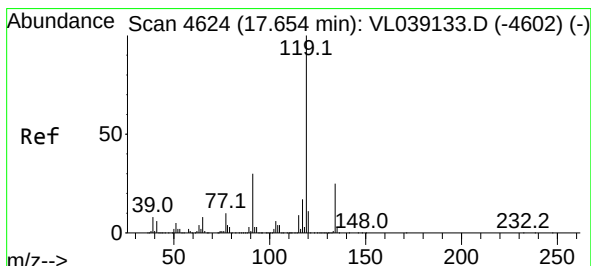
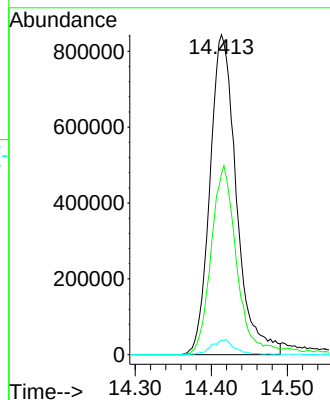
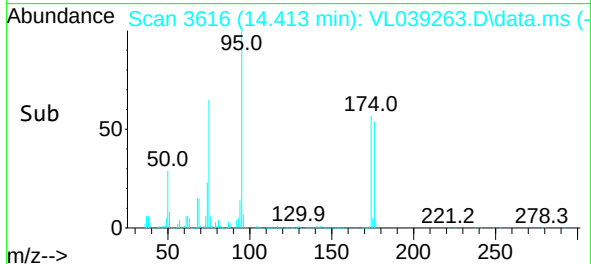
Instrument :
MSVOA_L
ClientSampleId :
IA-1



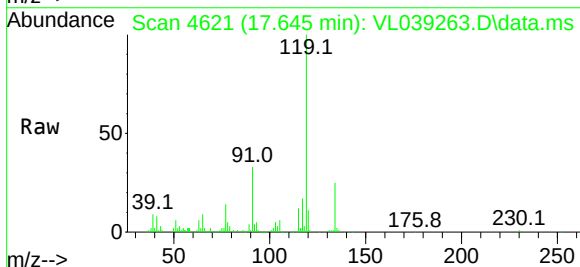
Tgt Ion: 95 Resp: 204148
Ion Ratio Lower Upper
95 100
174 59.8 53.8 80.8
175 4.5 4.1 6.1

Manual Integrations
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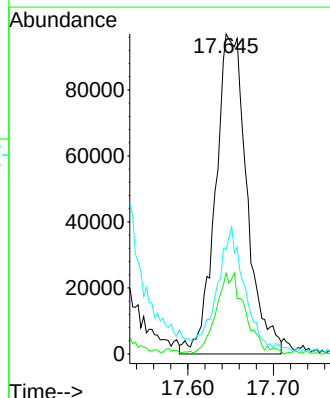
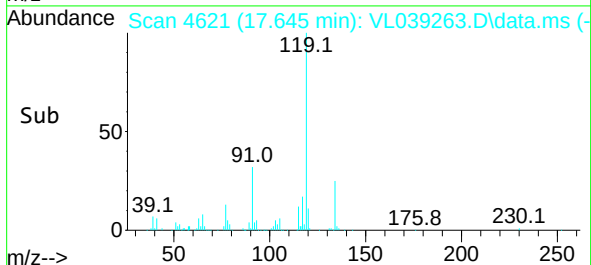
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

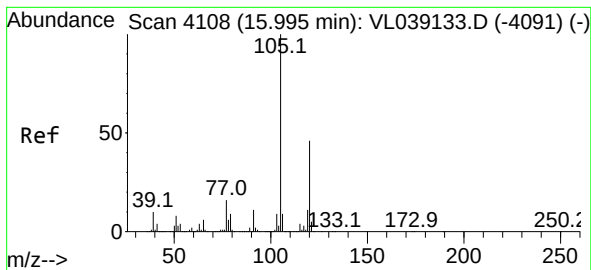


#69
p-Isopropyltoluene
Concen: 0.630 ppbv m
RT: 17.645 min Scan# 4621
Delta R.T. -0.010 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



Tgt Ion:119 Resp: 246748
Ion Ratio Lower Upper
119 100
134 24.1 20.4 30.6
91 36.2 24.2 36.4





#73

1,3,5-Trimethylbenzene

Concen: 0.119 ppbv

RT: 15.998 min Scan# 4109

Delta R.T. 0.003 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion:105 Resp: 3141

Ion Ratio Lower Upper

105 100

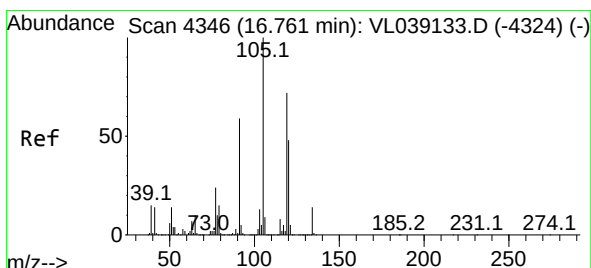
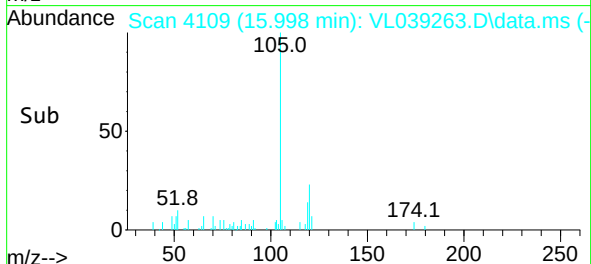
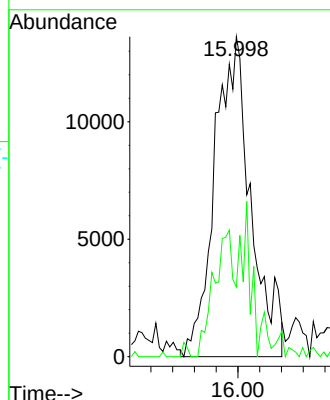
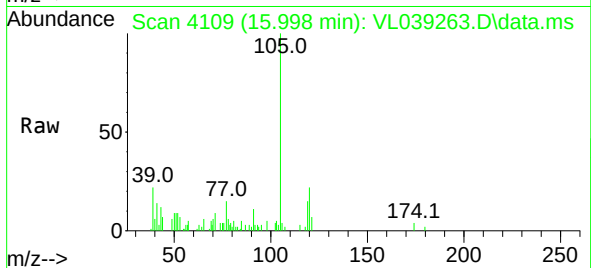
120 21.7 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.399 ppbv

RT: 16.757 min Scan# 4345

Delta R.T. -0.003 min

Lab File: VL039263.D

Acq: 13 Jun 2022 22:37

Tgt Ion:105 Resp: 117974

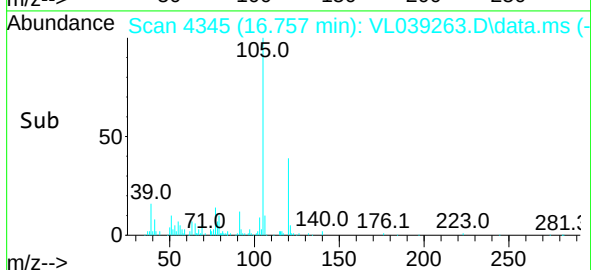
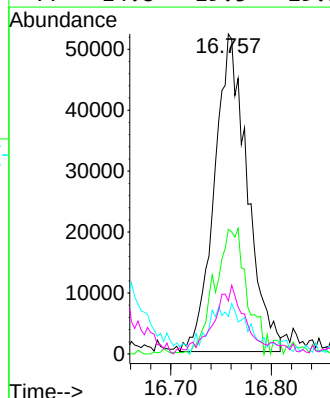
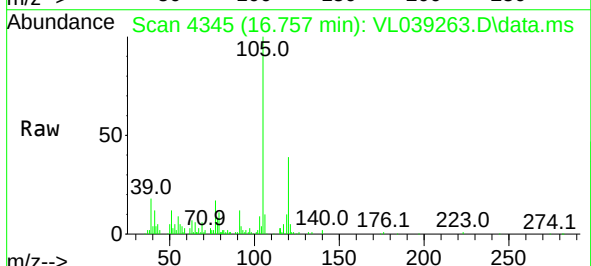
Ion Ratio Lower Upper

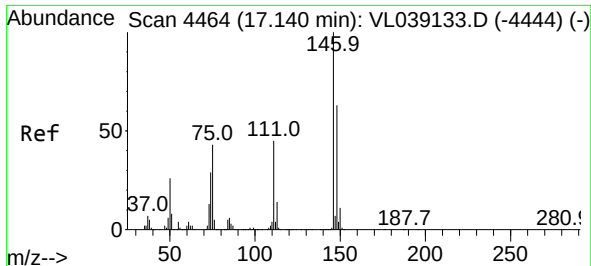
105 100

120 38.8 38.1 57.1

91 7.8 47.4 71.0#

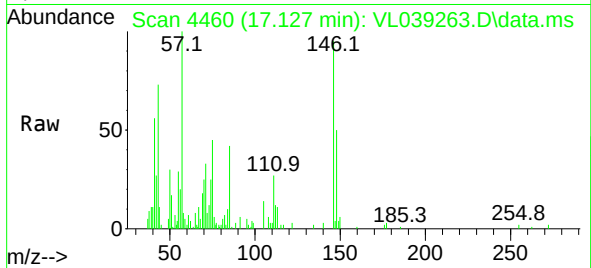
77 14.8 19.5 29.3#





#76
1,4-Dichlorobenzene
Concen: 0.154 ppbv m
RT: 17.127 min Scan# 4460
Delta R.T. -0.013 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37

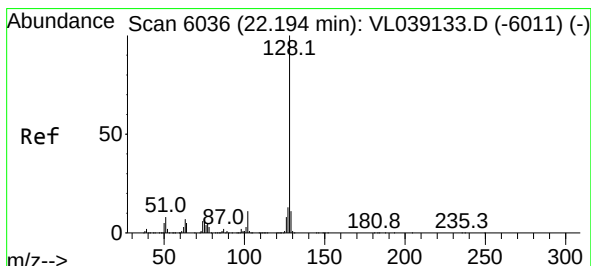
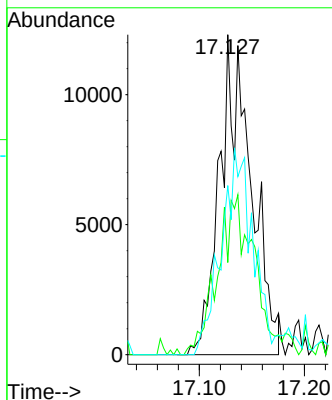
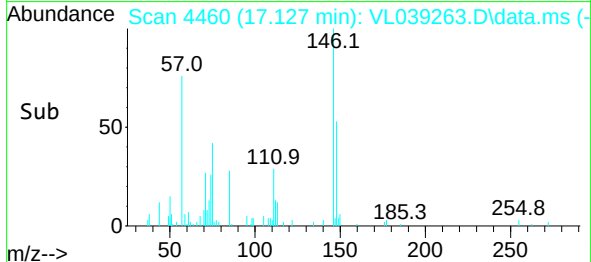
Instrument :
MSVOA_L
ClientSampleId :
IA-1



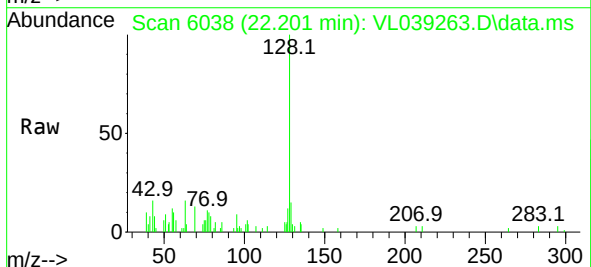
Tgt Ion:146 Resp: 25728
Ion Ratio Lower Upper
146 100
111 60.1 23.6 71.0
148 69.6 33.7 101.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#79
Naphthalene
Concen: 0.111 ppbv m
RT: 22.201 min Scan# 6038
Delta R.T. 0.006 min
Lab File: VL039263.D
Acq: 13 Jun 2022 22:37



Tgt Ion:128 Resp: 25152
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 14.7 9.0 13.6

