

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
 Data File : VL038949.D
 Acq On : 19 Apr 2022 14:33
 Operator : SY/AP
 Sample : N2465-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 20 04:26:13 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.684	49	1124410	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.188	114	2796737	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.095	117	2463293	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	1947812	10.425	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.060	85	98648	0.619	ppbv	97
4) Chloromethane	3.153	50	35248	0.496	ppbv	100
9) Propene	3.034	41	65481	0.902	ppbv	85
11) Trichlorofluoromethane	3.964	101	26156m	0.204	ppbv	
13) Ethanol	3.636	45	5406888	1225.447	ppbv #	100
15) Acetone	3.861	43	14048561	125.495	ppbv #	87
19) Isopropyl Alcohol	4.012	45	37146689	649.246	ppbv #	100
20) Methylene Chloride	4.365	84	480381	11.832	ppbv	93
25) Ethyl Acetate	5.684	43	911366	3.209	ppbv #	97
29) Chloroform	5.771	83	33196	0.184	ppbv	98
30) Cyclohexane	7.150	84	14292m	0.125	ppbv	
34) 2-Butanone	5.259	43	88038	0.797	ppbv	95
35) Carbon Tetrachloride	7.041	117	10599m	0.063	ppbv	
36) Benzene	6.909	78	63115m	0.248	ppbv	
52) Tetrachloroethene	11.237	164	7395m	0.083	ppbv	
53) Toluene	9.815	91	166950m	0.568	ppbv	
58) Ethyl Benzene	12.722	91	54394m	0.148	ppbv	
59) m/p-Xylene	12.979	91	157020m	0.508	ppbv	
60) o-Xylene	13.706	91	87294m	0.302	ppbv	
61) Styrene	13.539	104	25034m	0.142	ppbv	

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

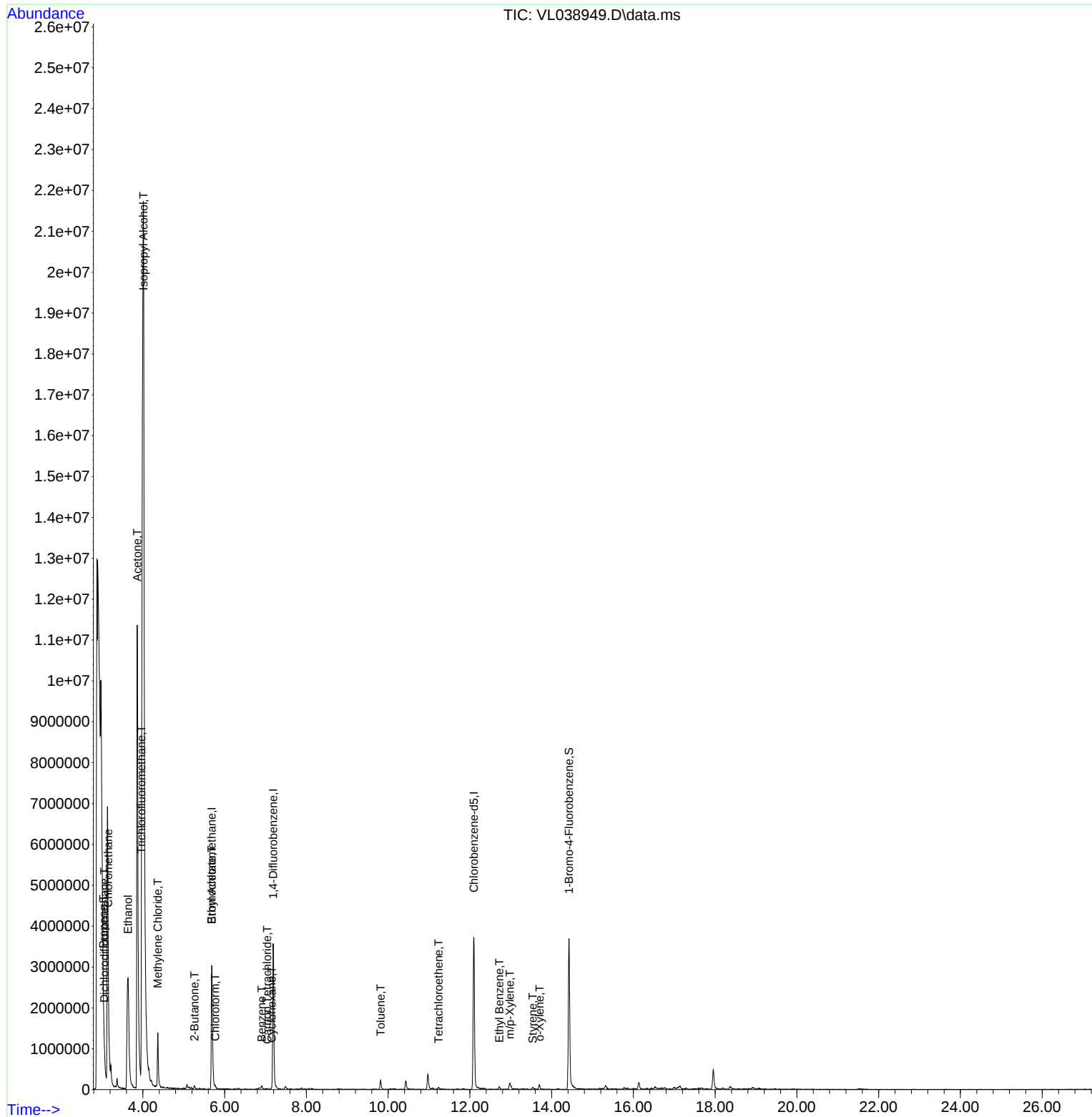
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041922\
Data File : VL038949.D
Acq On : 19 Apr 2022 14:33
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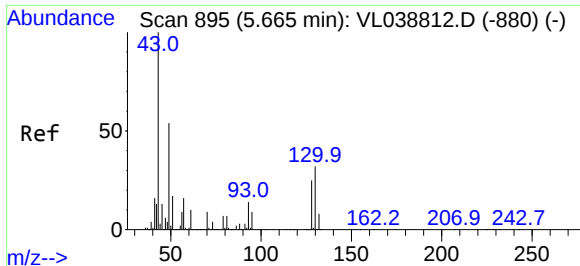
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Apr 20 04:26:13 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

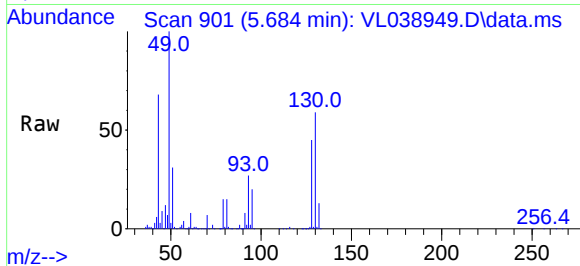
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.684 min Scan# 90
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

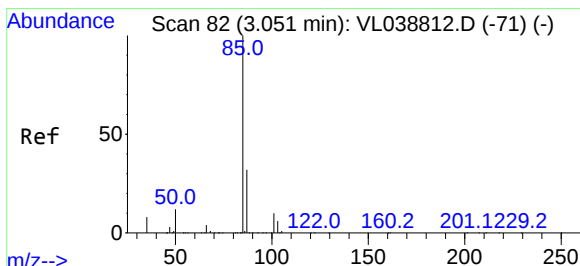
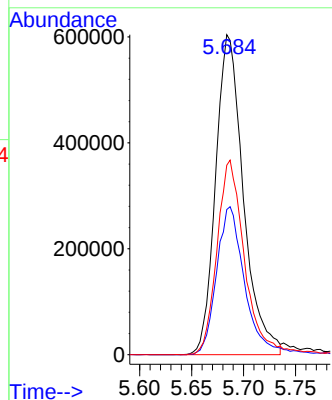
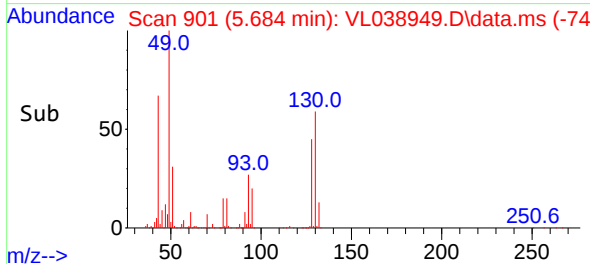
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 49 Resp: 1124410
Ion Ratio Lower Upper
49 100
128 47.6 24.1 72.3
130 61.9 30.9 92.8

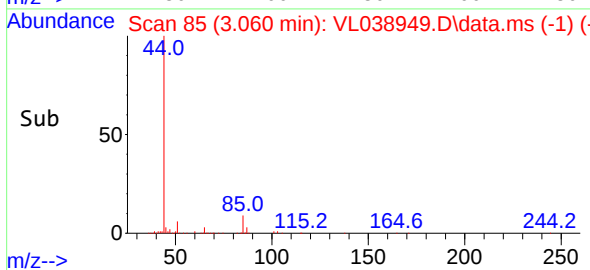
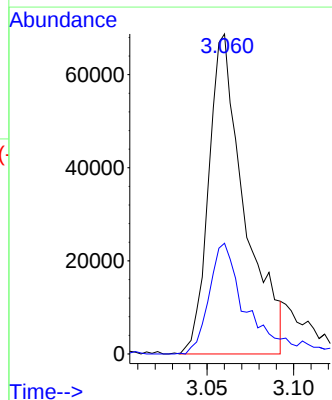
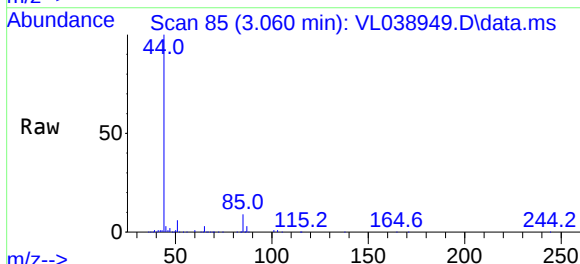
Manual Integrations
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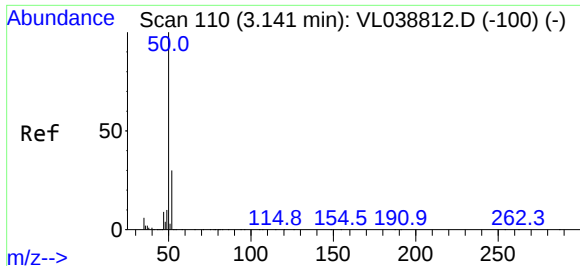
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#2
Dichlorodifluoromethane
Concen: 0.619 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.009 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Tgt Ion: 85 Resp: 98648
Ion Ratio Lower Upper
85 100
87 34.4 25.9 38.9





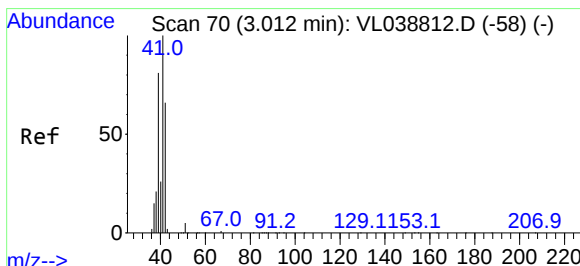
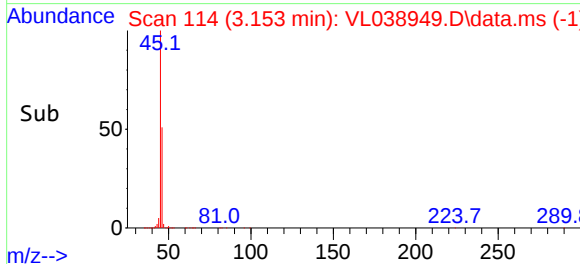
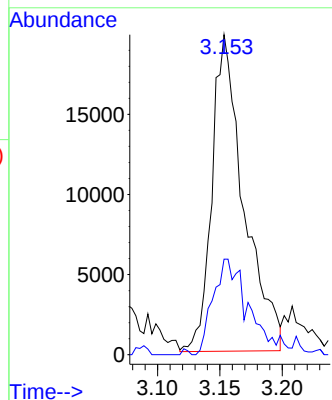
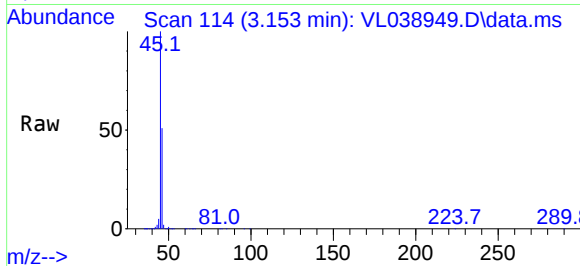
#4
Chloromethane
Concen: 0.496 ppbv
RT: 3.153 min Scan# 110
Delta R.T. 0.013 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 50 Resp: 35248
Ion Ratio Lower Upper
50 100
52 30.3 24.3 36.5

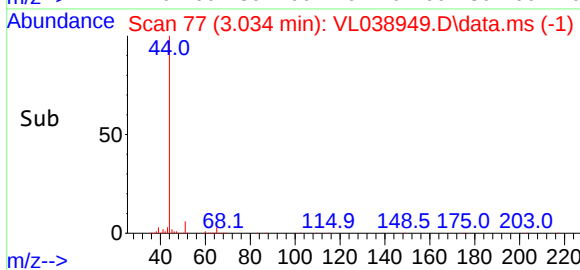
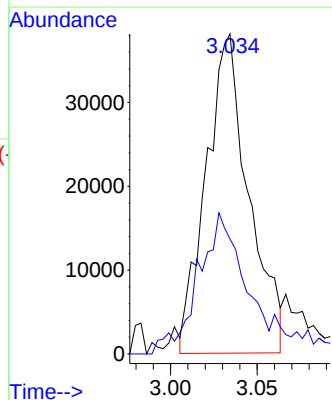
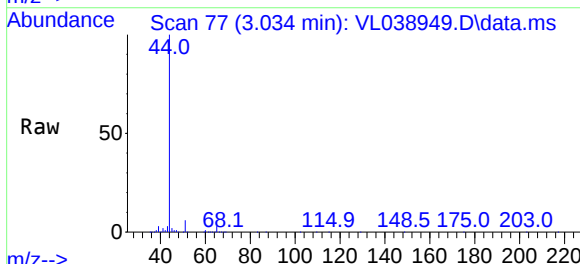
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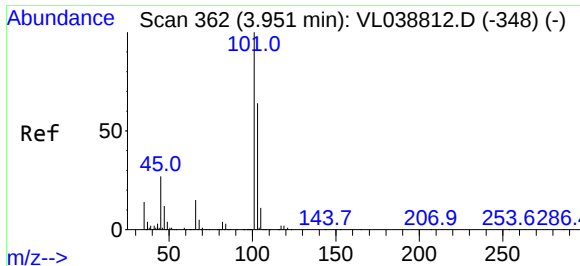
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#9
Propene
Concen: 0.902 ppbv
RT: 3.034 min Scan# 77
Delta R.T. 0.022 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

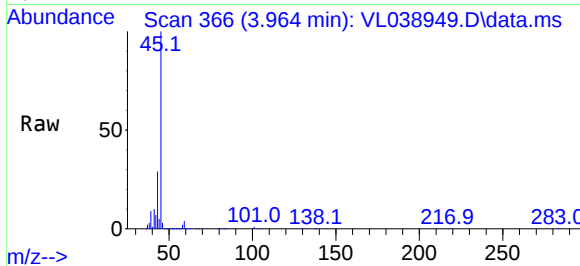
Tgt Ion: 41 Resp: 65481
Ion Ratio Lower Upper
41 100
42 55.6 54.2 81.4





#11
Trichlorofluoromethane
Concen: 0.204 ppbv m
RT: 3.964 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

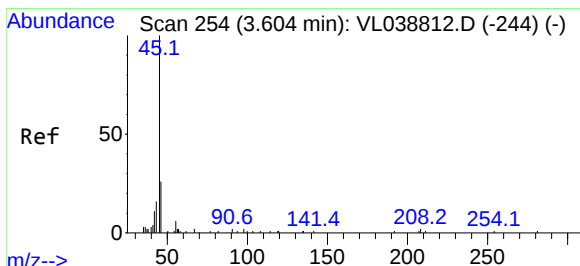
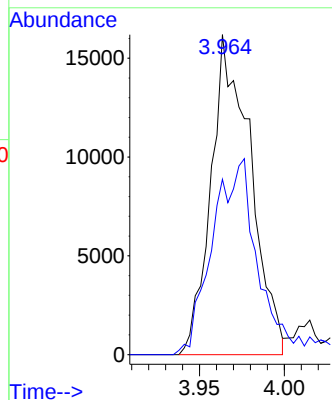
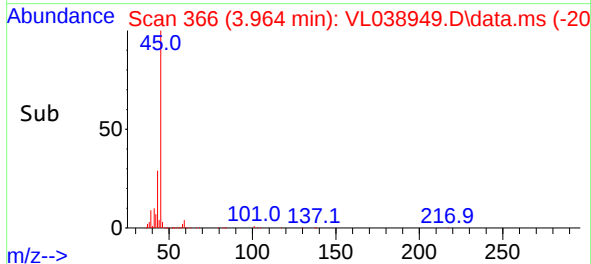
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



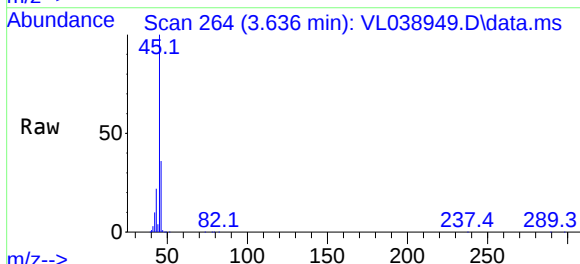
Tgt Ion:101 Resp: 26150
Ion Ratio Lower Upper
101 100
103 54.8 51.4 77.0

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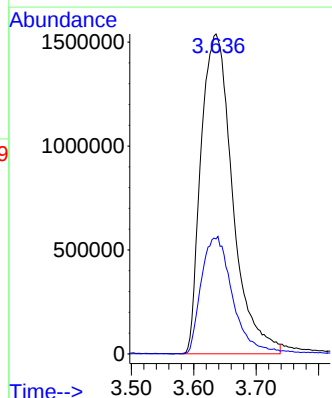
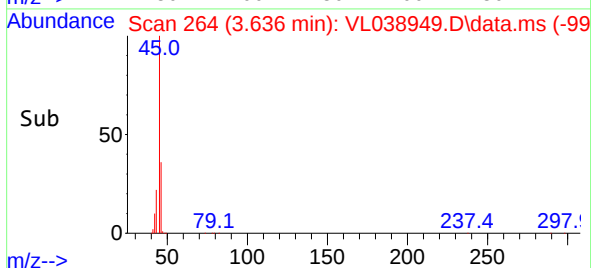
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

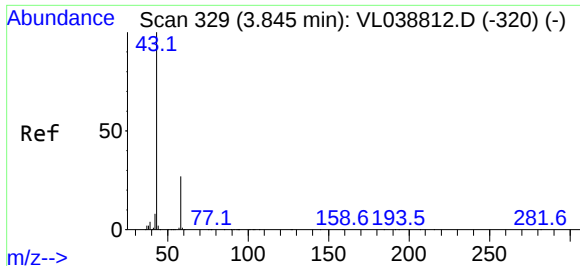


#13
Ethanol
Concen: 1225.447 ppbv
RT: 3.636 min Scan# 264
Delta R.T. 0.032 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33



Tgt Ion: 45 Resp: 5406888
Ion Ratio Lower Upper
45 100
46 37.2 0.0 0.0#





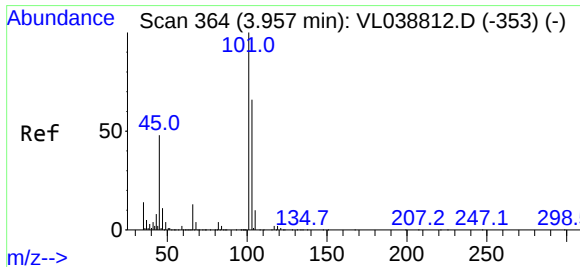
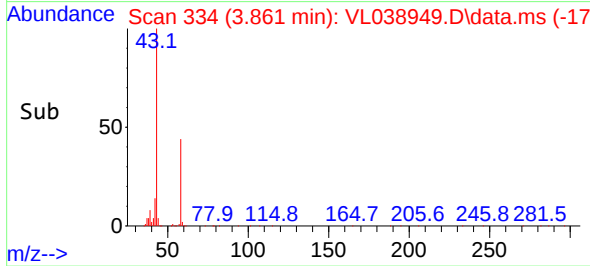
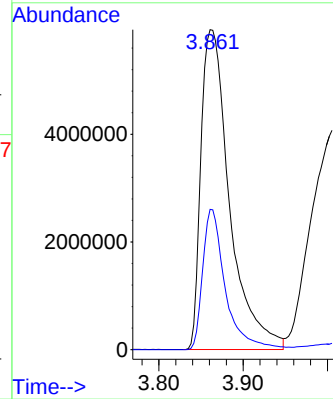
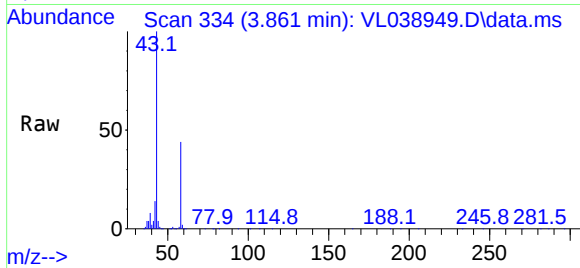
#15
Acetone
Concen: 125.495 ppbv
RT: 3.861 min Scan# 311
Delta R.T. 0.016 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 43 Resp:1404856
Ion Ratio Lower Upper
43 100
58 34.9 22.5 33.7

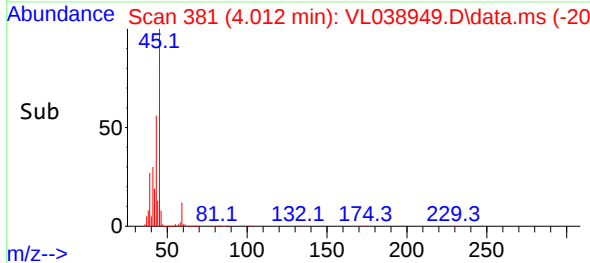
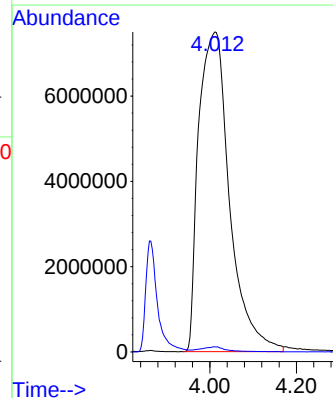
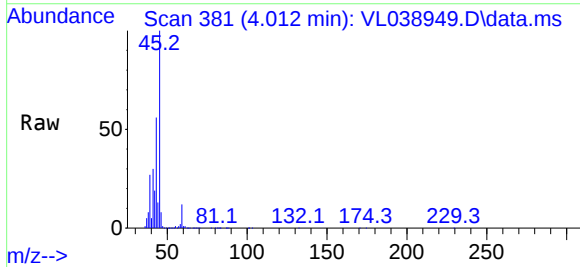
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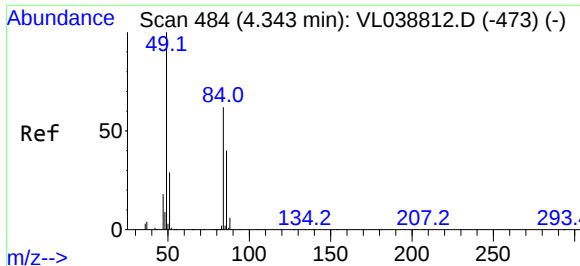
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#19
Isopropyl Alcohol
Concen: 649.246 ppbv
RT: 4.012 min Scan# 381
Delta R.T. 0.054 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

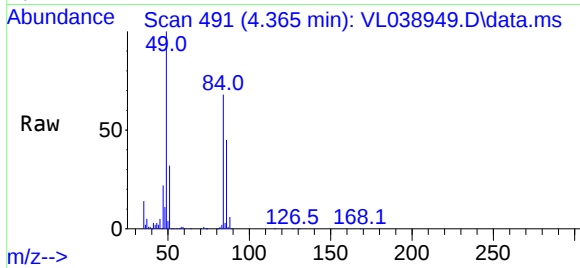
Tgt Ion: 45 Resp:37146689
Ion Ratio Lower Upper
45 100
58 1.5 0.0 0.0





#20
Methylene Chloride
Concen: 11.832 ppbv
RT: 4.365 min Scan# 491
Delta R.T. 0.022 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

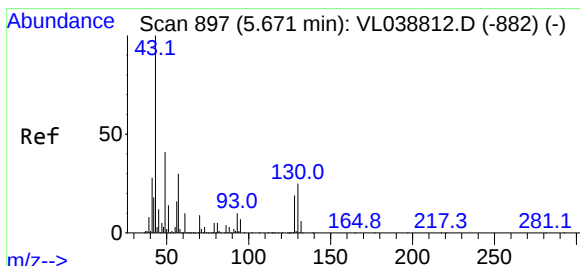
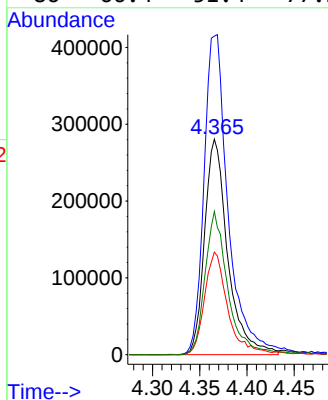
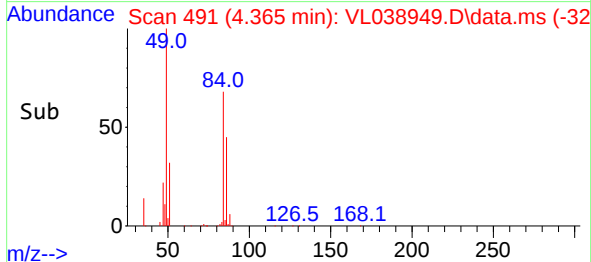


Tgt Ion: 84 Resp: 48038

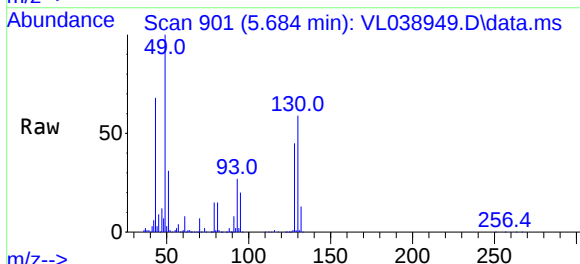
Ion	Ratio	Lower	Upper
84	100		
49	147.7	129.4	194.0
51	47.6	37.4	56.2
86	66.4	51.4	77.2

Manual Integrations
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Supervised By :Mahesh Dadoda 04/20/2022

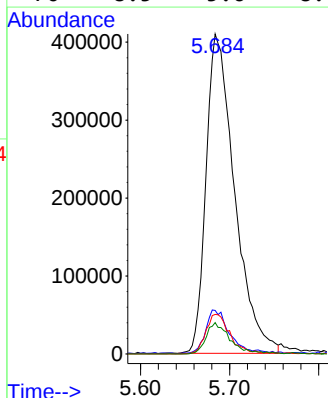
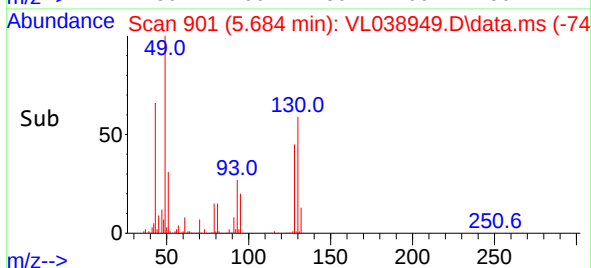


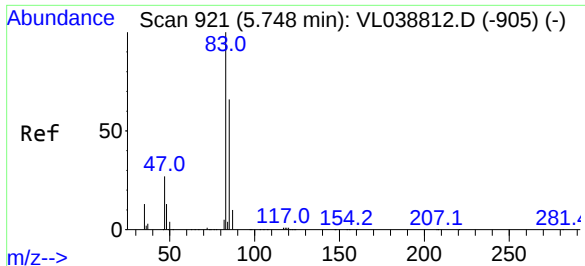
#25
Ethyl Acetate
Concen: 3.209 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.013 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33



Tgt Ion: 43 Resp: 911366

Ion	Ratio	Lower	Upper
43	100		
45	11.8	8.4	12.6
61	10.9	7.9	11.9
70	8.5	5.6	8.4





#29

Chloroform

Concen: 0.184 ppbv

RT: 5.771 min Scan# 91

Delta R.T. 0.022 min

Lab File: VL038949.D

Acq: 19 Apr 2022 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tgt Ion: 83 Resp: 33190

Ion Ratio Lower Upper

83 100

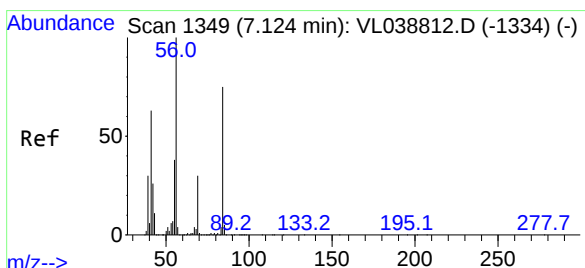
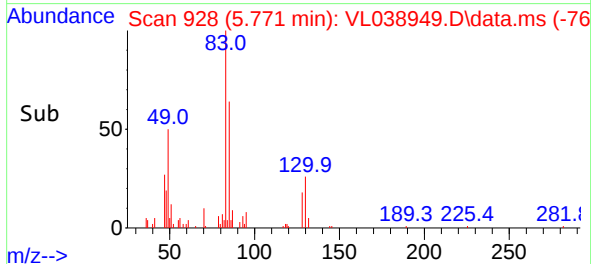
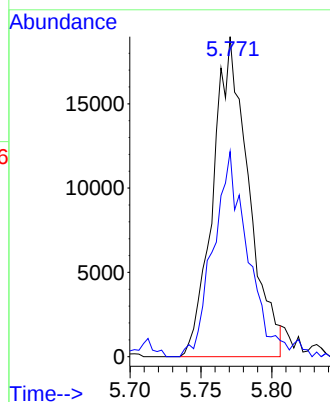
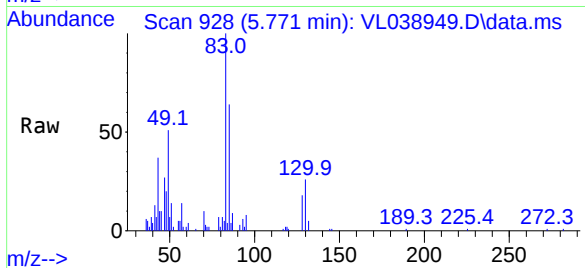
85 64.1 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/20/2022

Supervised By :Mahesh Dadoda 04/20/2022



#30

Cyclohexane

Concen: 0.125 ppbv m

RT: 7.150 min Scan# 1357

Delta R.T. 0.026 min

Lab File: VL038949.D

Acq: 19 Apr 2022 14:33

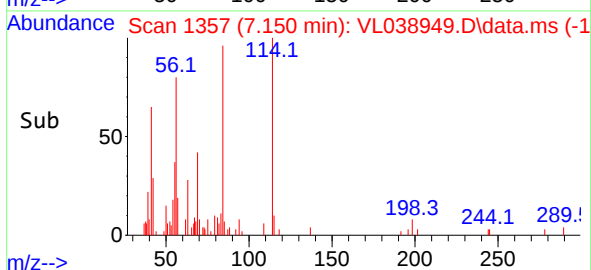
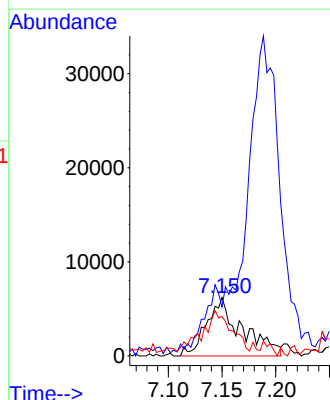
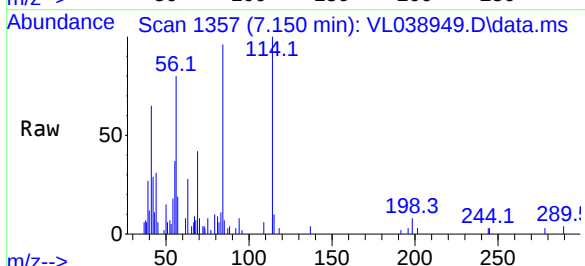
Tgt Ion: 84 Resp: 14292

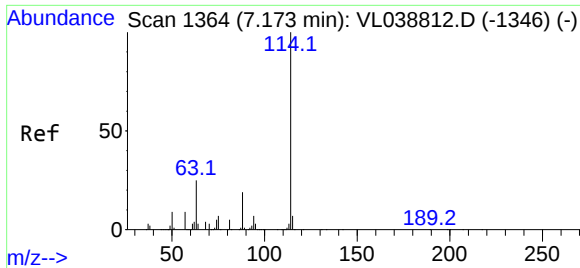
Ion Ratio Lower Upper

84 100

56 0.0 114.4 171.6#

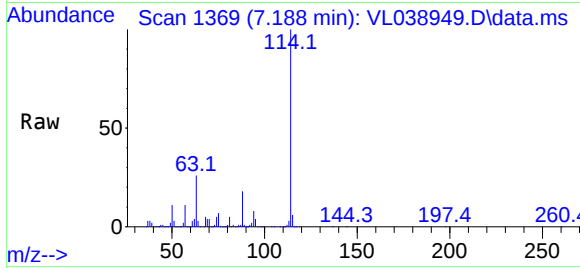
41 62.5 69.0 103.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.188 min Scan# 114
Delta R.T. 0.016 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

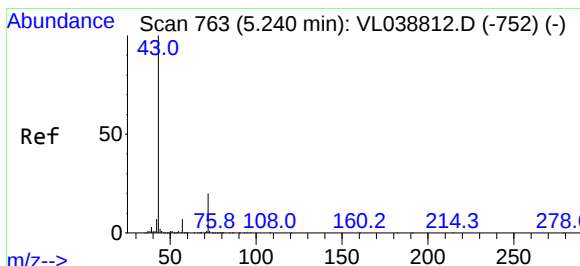
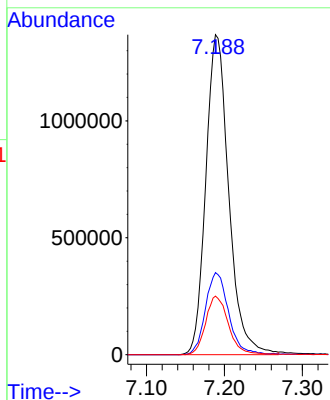
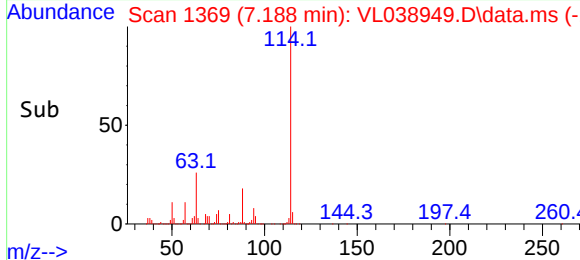
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion:114 Resp: 279673
Ion Ratio Lower Upper
114 100
63 26.2 19.8 29.8
88 18.4 14.2 21.4

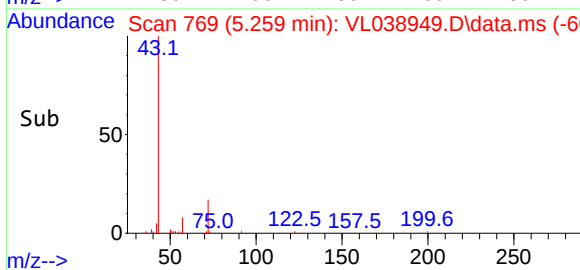
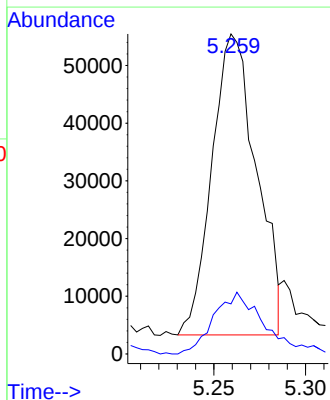
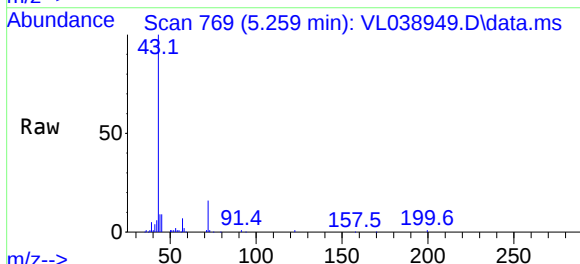
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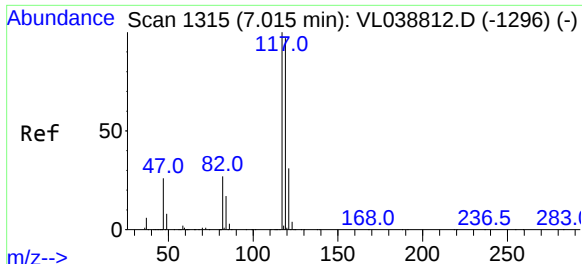
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#34
2-Butanone
Concen: 0.797 ppbv
RT: 5.259 min Scan# 769
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Tgt Ion: 43 Resp: 88038
Ion Ratio Lower Upper
43 100
72 23.2 16.9 25.3





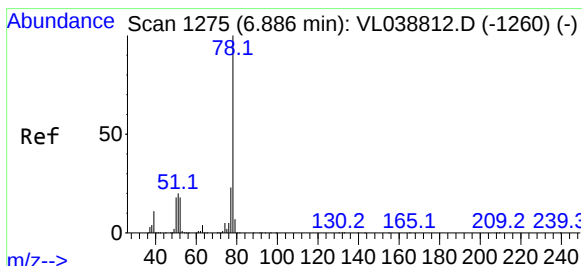
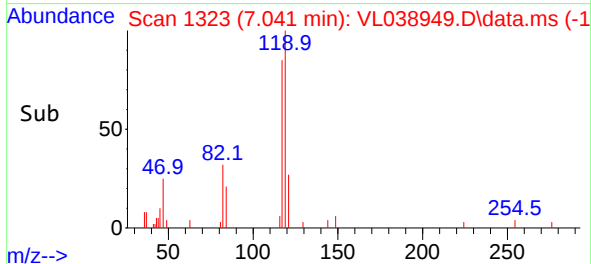
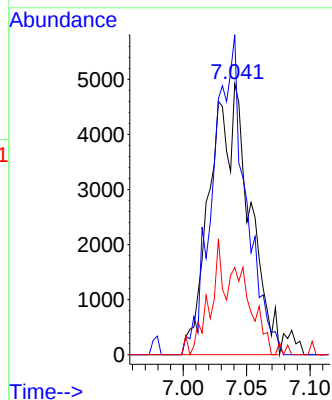
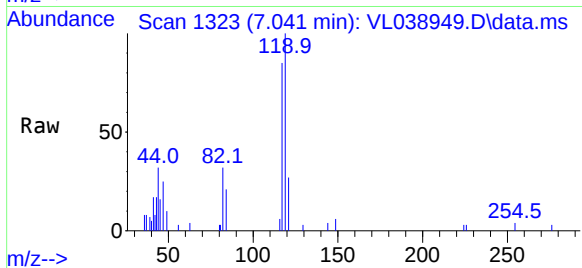
#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 7.041 min Scan# 117
Delta R.T. 0.026 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 117 Resp: 1059
Ion Ratio Lower Upper
117 100
119 118.1 77.7 116.5
121 32.2 24.5 36.7

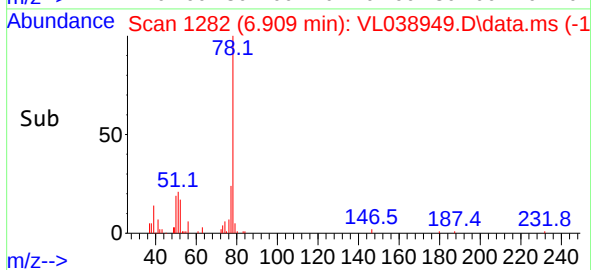
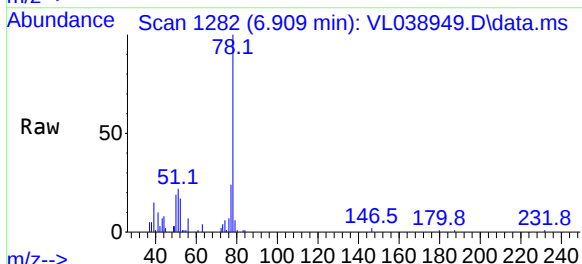
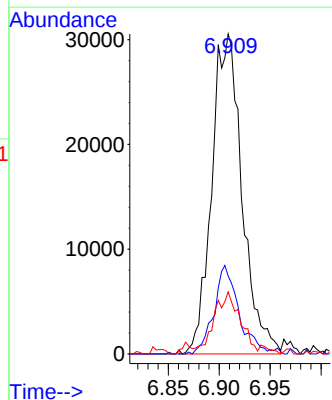
Manual Integrations
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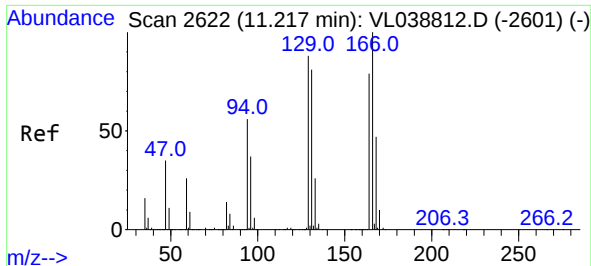
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#36
Benzene
Concen: 0.248 ppbv m
RT: 6.909 min Scan# 1282
Delta R.T. 0.022 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

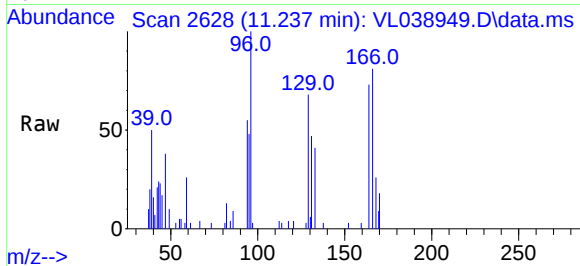
Tgt Ion: 78 Resp: 63115
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2
50 19.4 14.0 21.0





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 11.237 min Scan# 2163
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

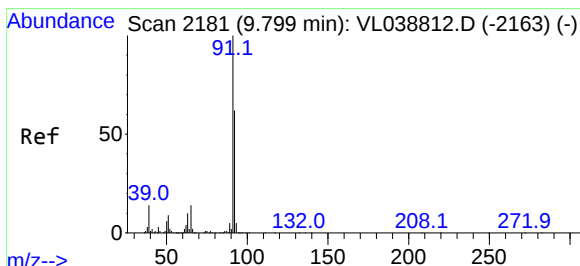
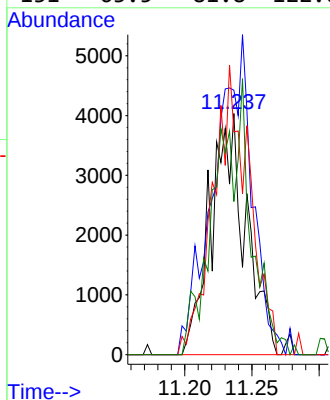
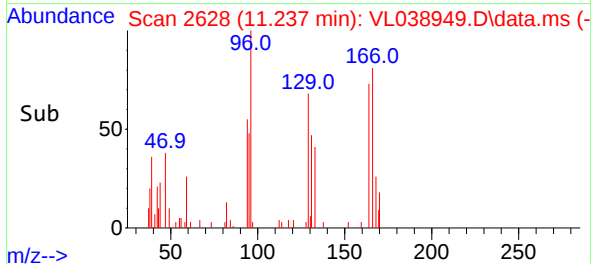
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



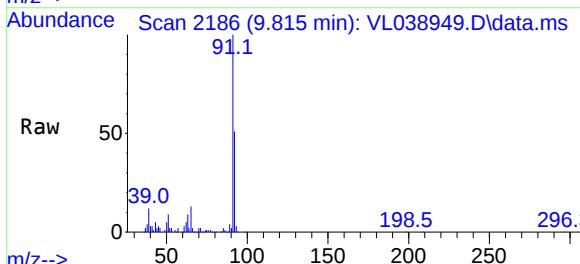
Tgt Ion:164 Resp: 7395
Ion Ratio Lower Upper
164 100
166 109.7 101.0 151.6
129 92.4 88.7 133.1
131 63.5 81.8 122.6#

Manual Integrations
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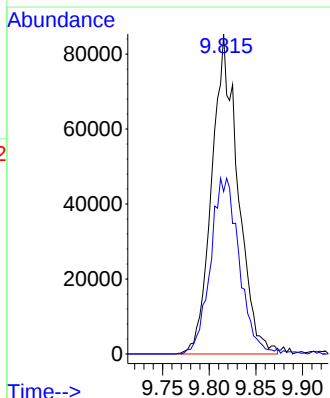
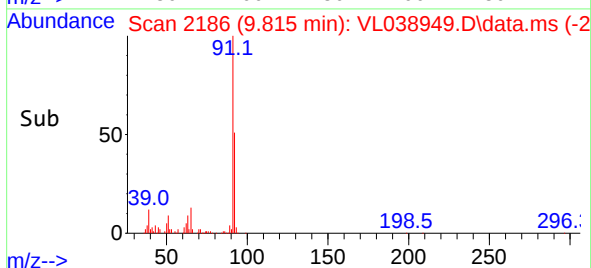
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

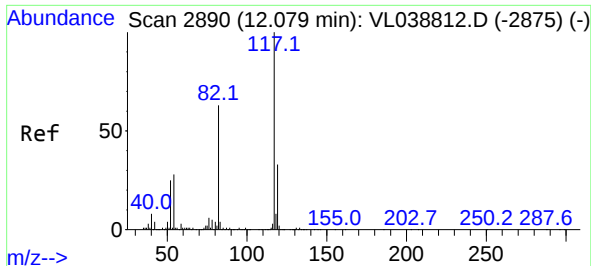


#53
Toluene
Concen: 0.568 ppbv m
RT: 9.815 min Scan# 2186
Delta R.T. 0.016 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33



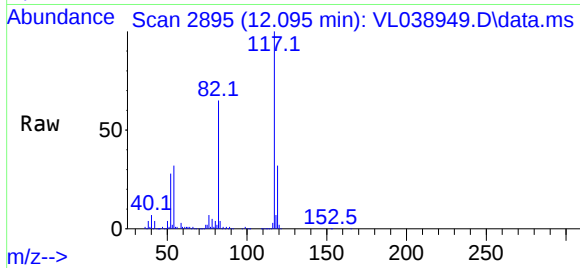
Tgt Ion: 91 Resp: 166950
Ion Ratio Lower Upper
91 100
92 0.0 49.2 73.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

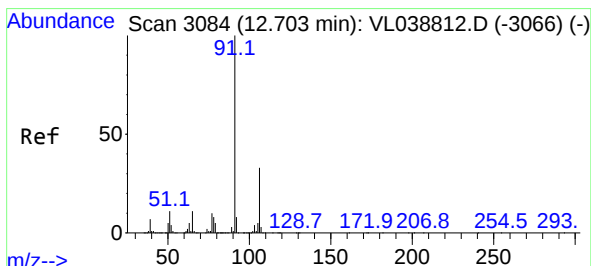
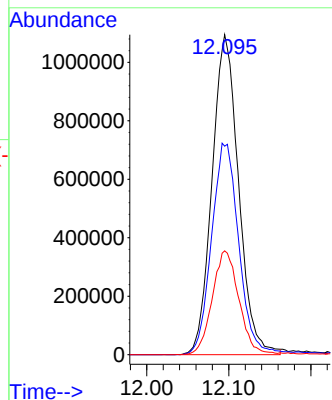
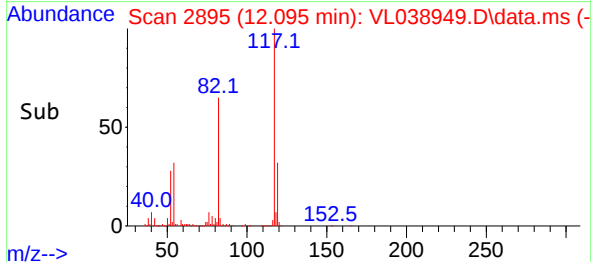
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



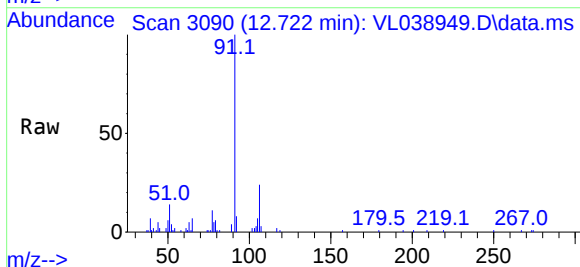
Tgt Ion:117 Resp: 246329
Ion Ratio Lower Upper
117 100
82 69.3 53.0 79.6
119 32.9 24.9 37.3

Manual Integrations
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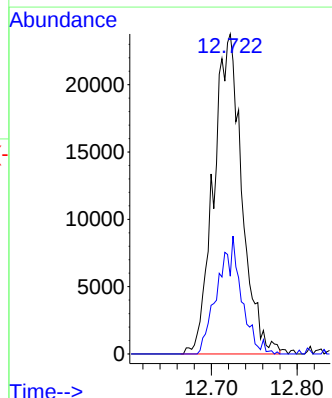
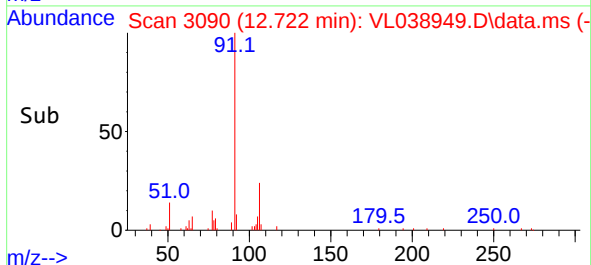
Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

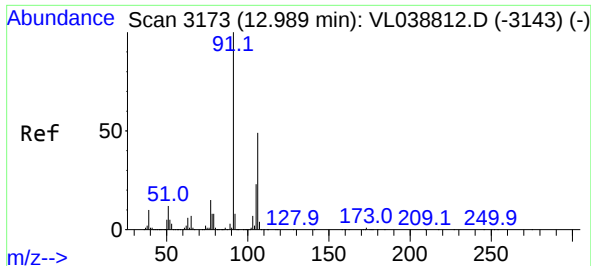


#58
Ethyl Benzene
Concen: 0.148 ppbv m
RT: 12.722 min Scan# 3090
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33



Tgt Ion: 91 Resp: 54394
Ion Ratio Lower Upper
91 100
106 24.3 26.7 40.1#





#59

m/p-Xylene

Concen: 0.508 ppbv m

RT: 12.979 min Scan# 3173

Delta R.T. -0.010 min

Lab File: VL038949.D

Acq: 19 Apr 2022 14:33

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tgt Ion: 91 Resp: 157020

Ion Ratio Lower Upper

91 100

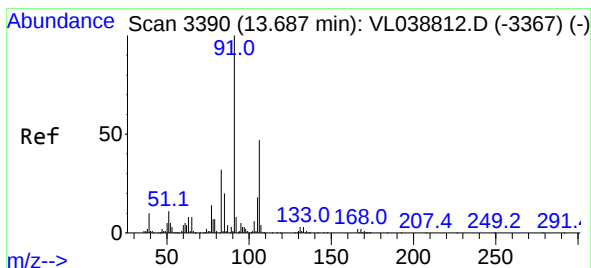
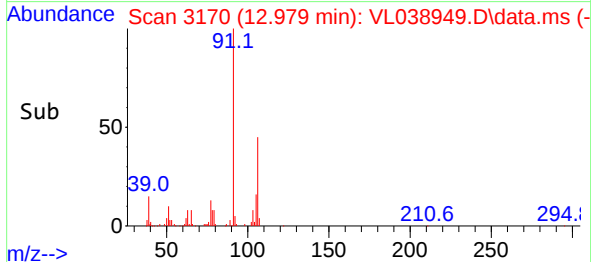
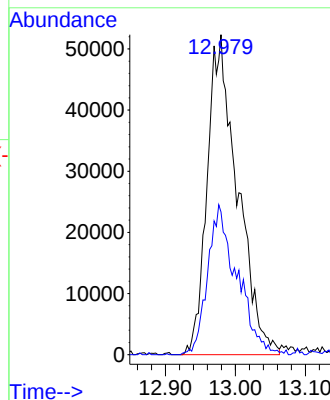
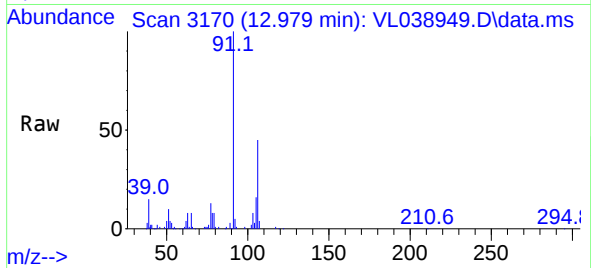
106 0.0 37.1 55.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/20/2022

Supervised By :Mahesh Dadoda 04/20/2022



#60

o-Xylene

Concen: 0.302 ppbv m

RT: 13.706 min Scan# 3396

Delta R.T. 0.019 min

Lab File: VL038949.D

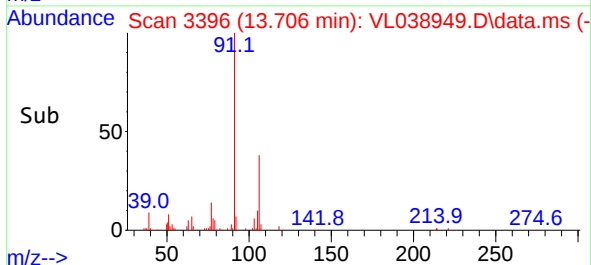
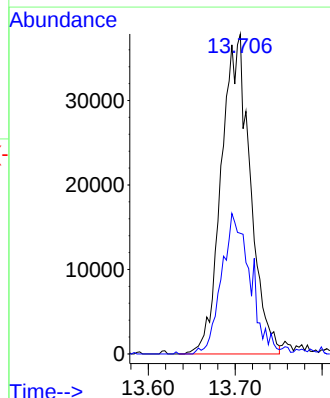
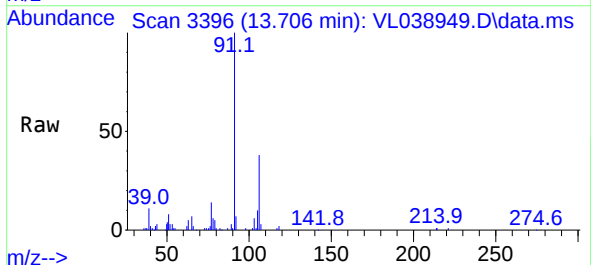
Acq: 19 Apr 2022 14:33

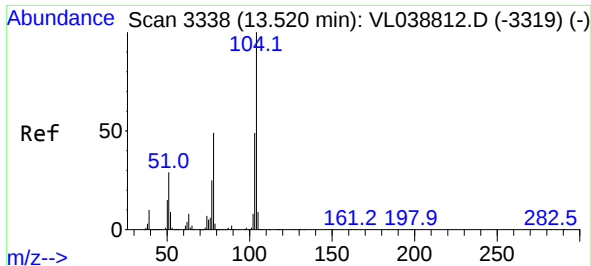
Tgt Ion: 91 Resp: 87294

Ion Ratio Lower Upper

91 100

106 0.0 23.8 71.4





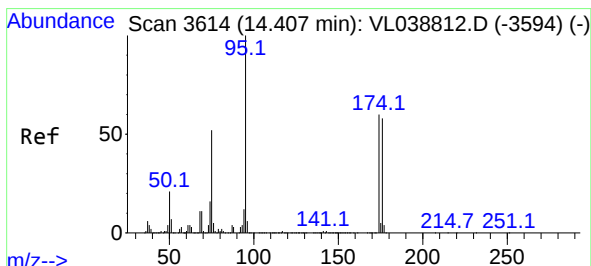
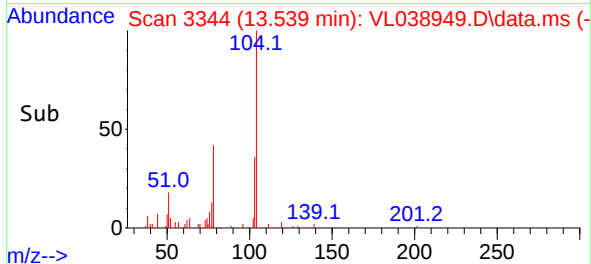
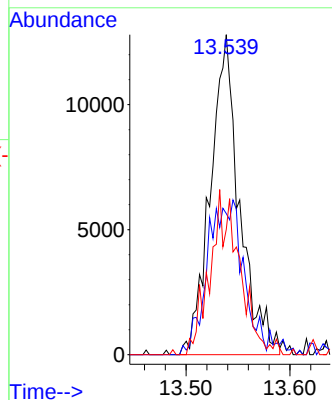
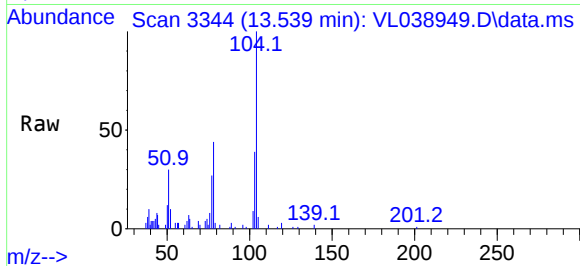
#61
Styrene
Concen: 0.142 ppbv m
RT: 13.539 min Scan# 31
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion:104 Resp: 25034
Ion Ratio Lower Upper
104 100
78 61.8 40.5 60.7
103 51.9 39.0 58.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.425 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.019 min
Lab File: VL038949.D
Acq: 19 Apr 2022 14:33

Tgt Ion: 95 Resp: 1947812
Ion Ratio Lower Upper
95 100
174 62.0 52.0 78.0
175 4.5 4.0 6.0

