

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038782.D
 Acq On : 28 Mar 2022 22:21
 Operator : SY/AP
 Sample : N2078-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:13:59 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 06:13:59 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.658	49	776873	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2057044	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	1734699	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1326884	9.977	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.051	85	70023	0.671	ppbv	100
3) Chlorodifluoromethane	2.993	51	28770	0.351	ppbv	94
4) Chloromethane	3.137	50	24770	0.550	ppbv	98
9) Propene	3.018	41	20326	0.513	ppbv #	81
10) Heptane	8.121	43	11565m	0.122	ppbv	
11) Trichlorofluoromethane	3.951	101	24588	0.267	ppbv	99
13) Ethanol	3.616	45	44502m	10.184	ppbv	
15) Acetone	3.848	43	433837	6.472	ppbv	93
19) Isopropyl Alcohol	3.980	45	43961m	1.183	ppbv	
20) Methylene Chloride	4.340	84	10699	0.379	ppbv #	80
25) Ethyl Acetate	5.671	43	258467	1.532	ppbv #	88
34) 2-Butanone	5.243	43	55690m	0.684	ppbv	
35) Carbon Tetrachloride	7.005	117	7637m	0.064	ppbv	
36) Benzene	6.880	78	22946	0.145	ppbv #	95
51) 2-Hexanone	10.156	43	11367m	0.105	ppbv	
53) Toluene	9.793	91	50116	0.294	ppbv	99

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

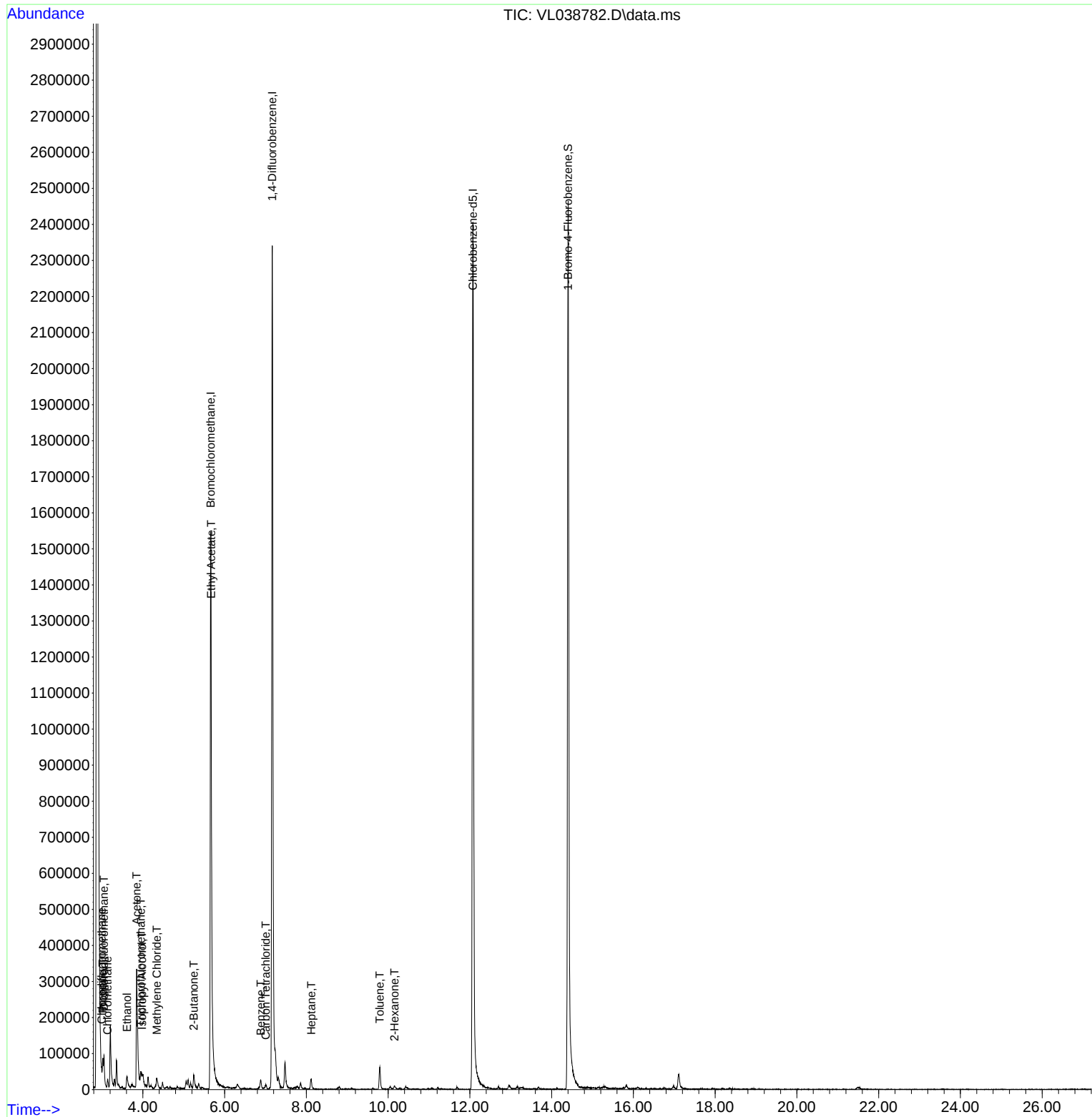
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038782.D
Acq On : 28 Mar 2022 22:21
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Sample : N2078-10
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

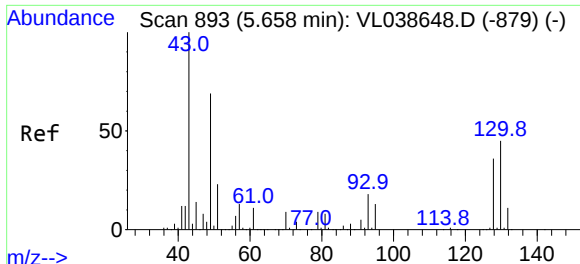
Instrument :
MSVOA_L
ClientSampleId :
V-1

Manual Integrations
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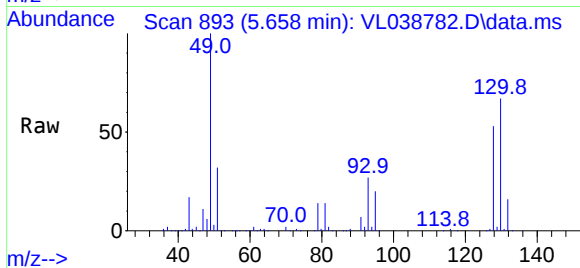
Quant Time: Mar 29 06:13:59 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.000 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

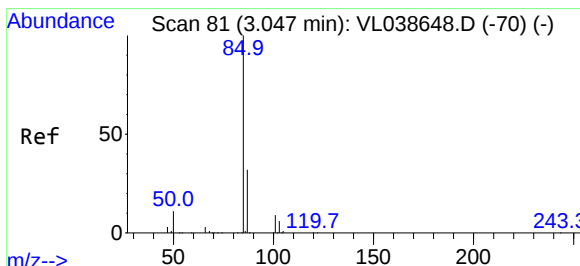
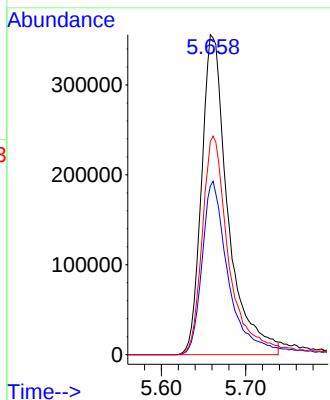
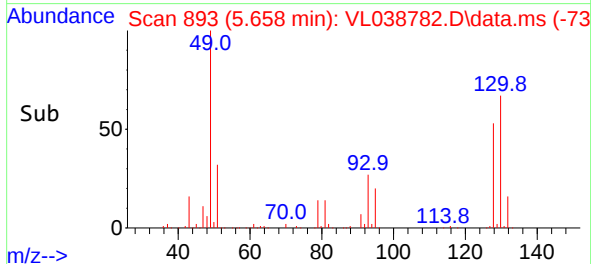
Instrument :
MSVOA_L
ClientSampleId :
V-1



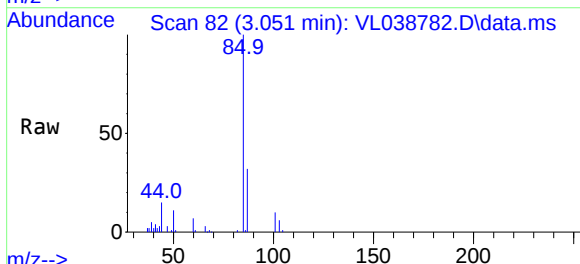
Tgt Ion: 49 Resp: 77687
Ion Ratio Lower Upper
49 100
128 56.3 26.2 78.6
130 70.8 33.7 101.1

Manual Integrations
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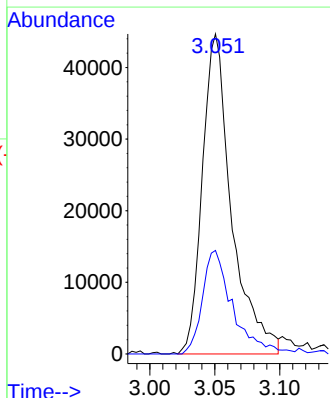
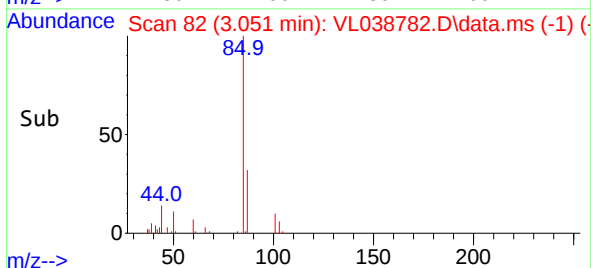
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

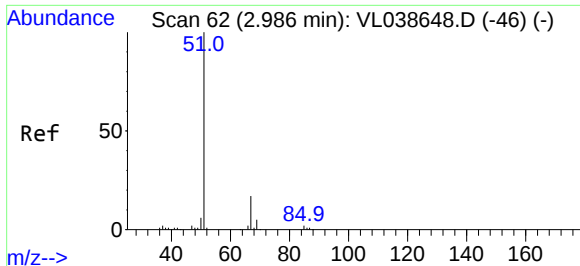


#2
Dichlorodifluoromethane
Concen: 0.671 ppbv
RT: 3.051 min Scan# 82
Delta R.T. 0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21



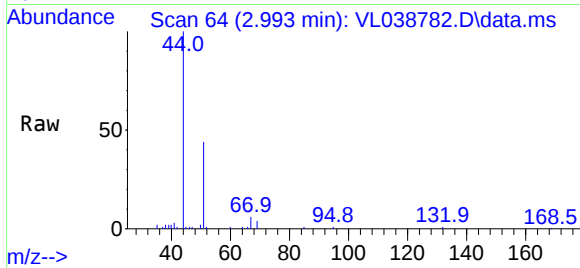
Tgt Ion: 85 Resp: 70023
Ion Ratio Lower Upper
85 100
87 32.3 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.351 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

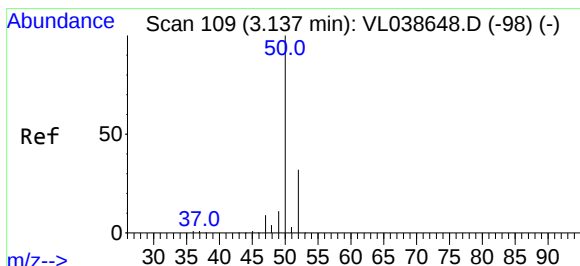
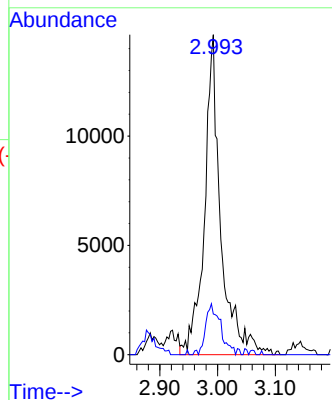
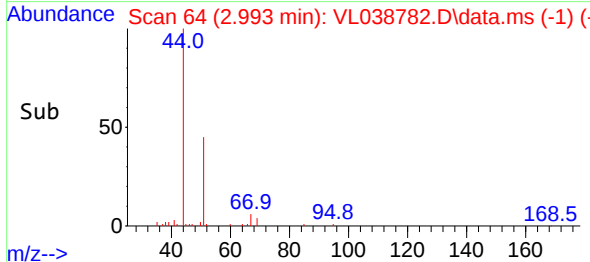
Instrument :
MSVOA_L
ClientSampleId :
V-1



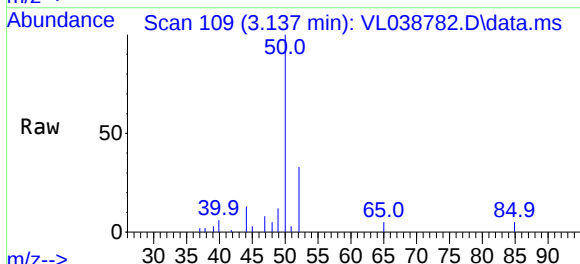
Tgt Ion: 51 Resp: 28770
Ion Ratio Lower Upper
51 100
67 15.0 14.1 21.1

Manual Integrations
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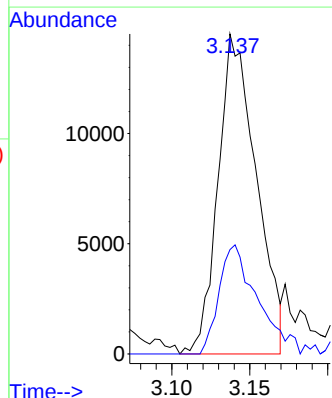
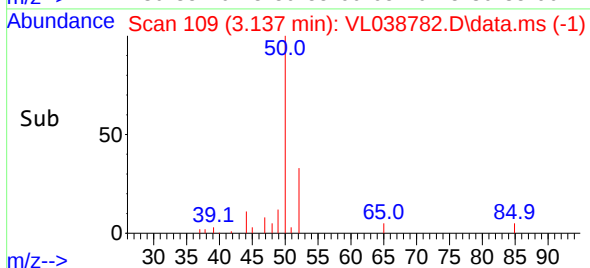
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

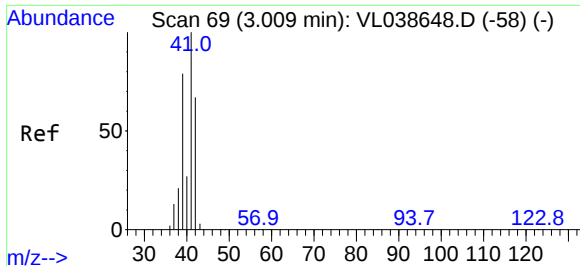


#4
Chloromethane
Concen: 0.550 ppbv
RT: 3.137 min Scan# 109
Delta R.T. -0.000 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21



Tgt Ion: 50 Resp: 24770
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3





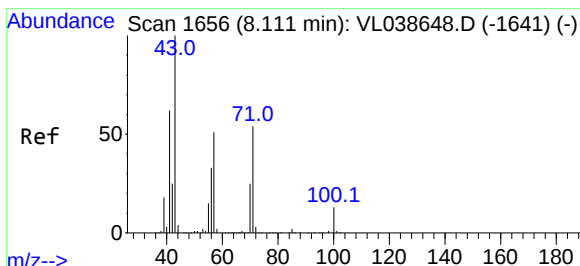
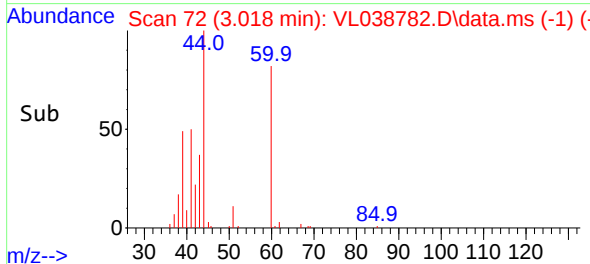
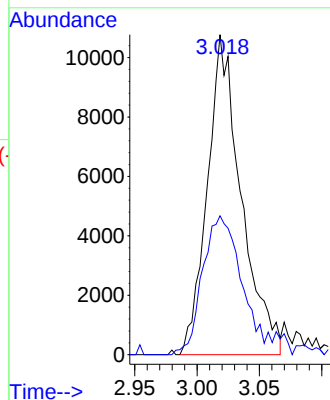
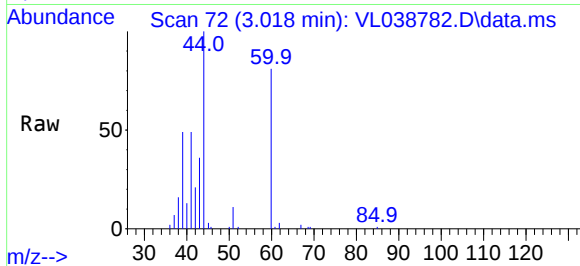
#9
Propene
Concen: 0.513 ppbv
RT: 3.018 min Scan# 71
Delta R.T. 0.010 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

Instrument :
MSVOA_L
ClientSampleId :
V-1

Tgt Ion: 41 Resp: 20320
Ion Ratio Lower Upper
41 100
42 54.3 56.2 84.4

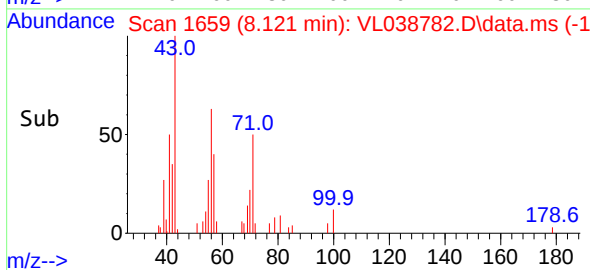
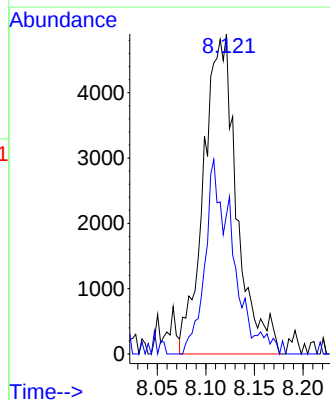
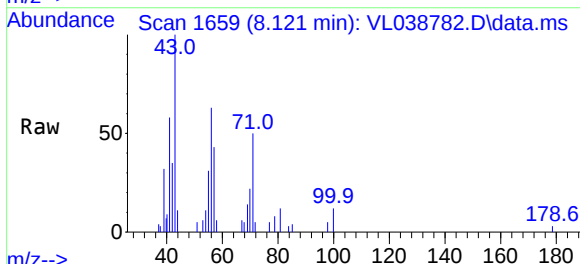
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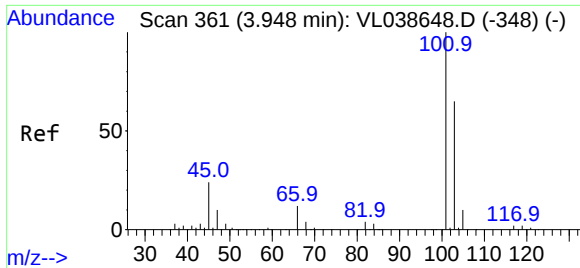
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#10
Heptane
Concen: 0.122 ppbv m
RT: 8.121 min Scan# 1659
Delta R.T. 0.010 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

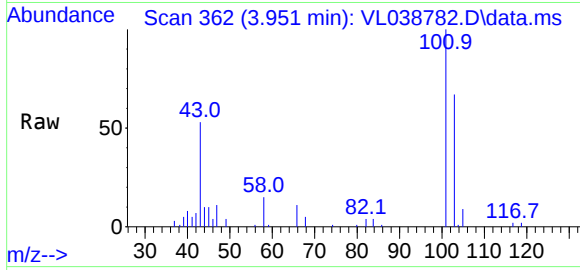
Tgt Ion: 43 Resp: 11565
Ion Ratio Lower Upper
43 100
57 51.3 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.267 ppbv
RT: 3.951 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

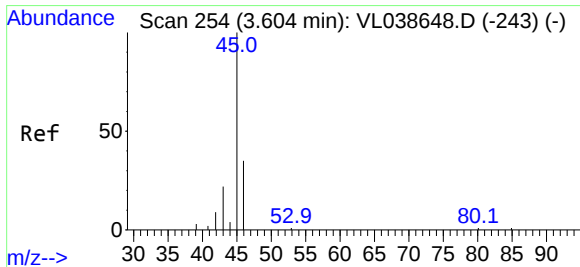
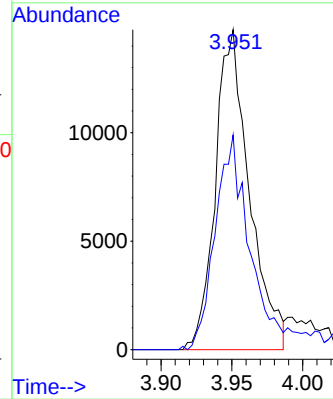
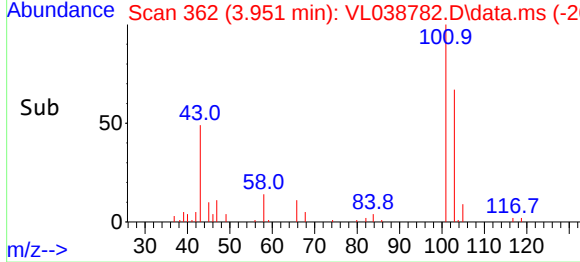
Instrument :
MSVOA_L
ClientSampleId :
V-1



Tgt Ion:101 Resp: 2458
Ion Ratio Lower Upper
101 100
103 66.1 51.9 77.9

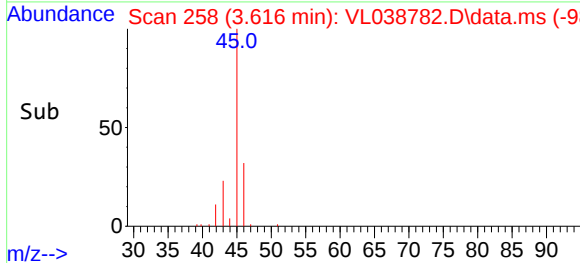
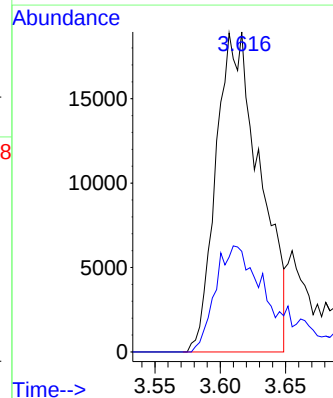
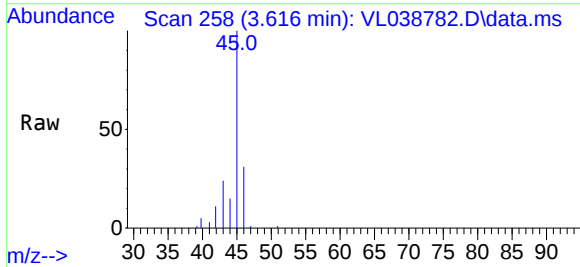
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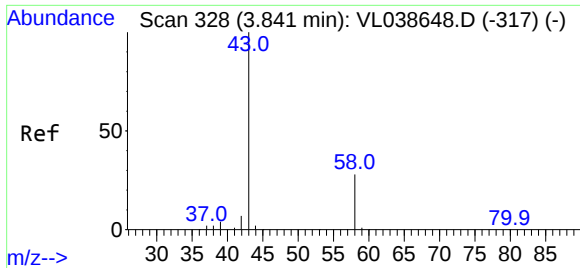
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#13
Ethanol
Concen: 10.184 ppbv m
RT: 3.616 min Scan# 258
Delta R.T. 0.013 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

Tgt Ion: 45 Resp: 44502
Ion Ratio Lower Upper
45 100
46 46.6 15.1 60.5





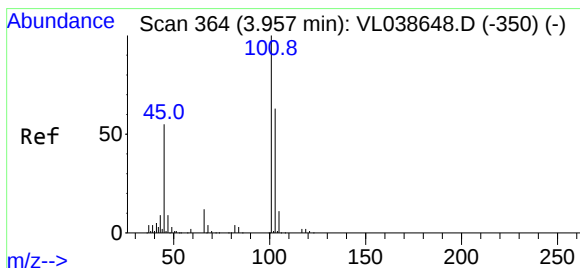
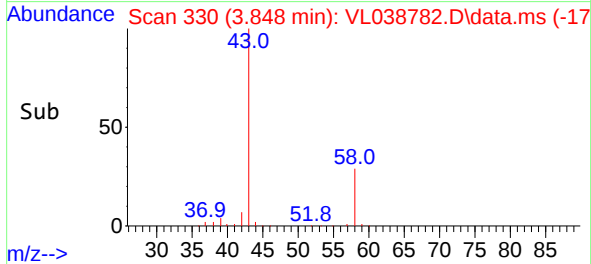
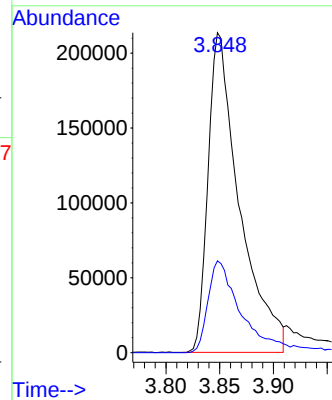
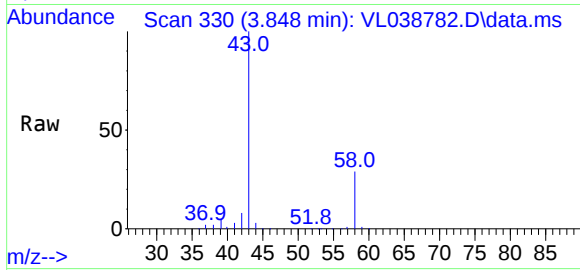
#15
Acetone
Concen: 6.472 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

Instrument :
MSVOA_L
ClientSampleId :
V-1

Tgt Ion: 43 Resp: 43383
Ion Ratio Lower Upper
43 100
58 33.1 23.3 34.9

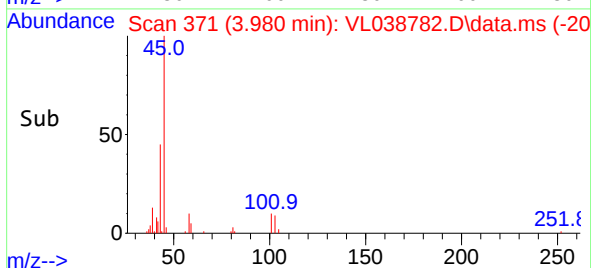
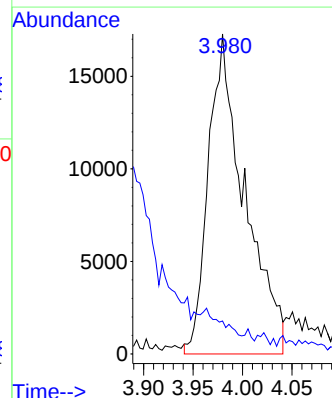
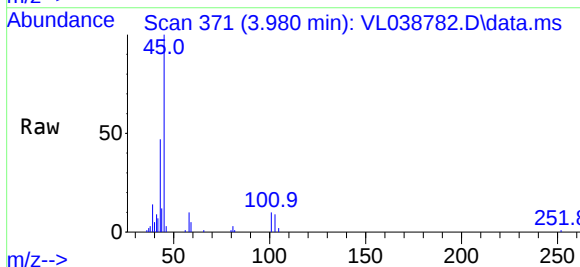
Manual Integrations
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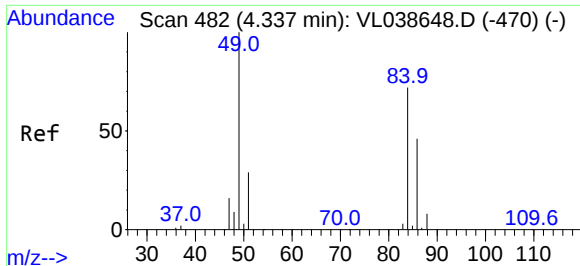
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#19
Isopropyl Alcohol
Concen: 1.183 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.022 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

Tgt Ion: 45 Resp: 43961
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5#





#20

Methylene Chloride

Concen: 0.379 ppbv

RT: 4.340 min Scan# 482

Delta R.T. 0.003 min

Lab File: VL038782.D

Acq: 28 Mar 2022 22:21

Instrument :

MSVOA_L

ClientSampleId :

V-1

Tgt Ion: 84 Resp: 10699

Ion Ratio Lower Upper

84 100

49 112.8 111.2 166.8

51 35.9 32.8 49.2

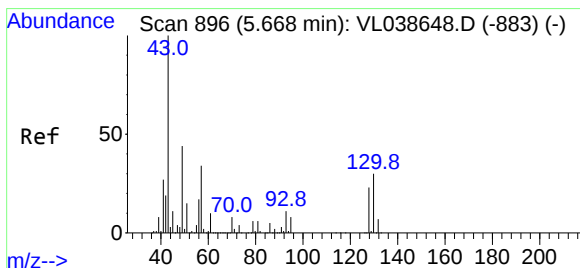
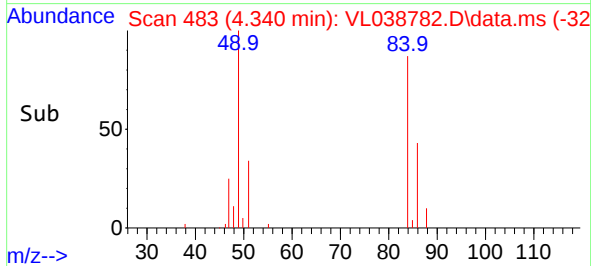
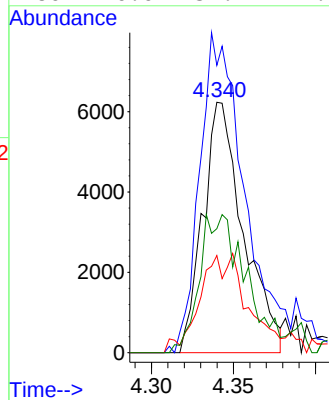
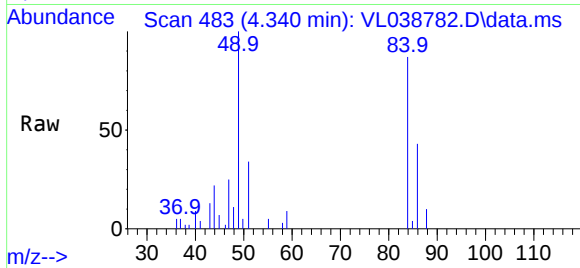
86 46.6 51.4 77.0#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/29/2022

Supervised By :Mahesh Dadoda 03/29/2022



#25

Ethyl Acetate

Concen: 1.532 ppbv

RT: 5.671 min Scan# 897

Delta R.T. 0.003 min

Lab File: VL038782.D

Acq: 28 Mar 2022 22:21

Tgt Ion: 43 Resp: 258467

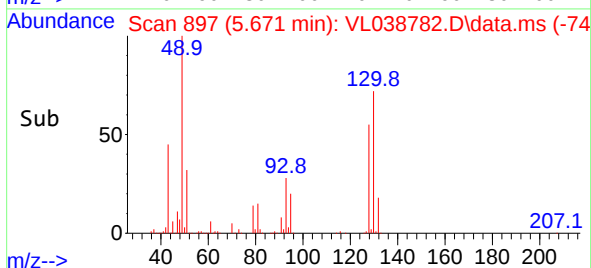
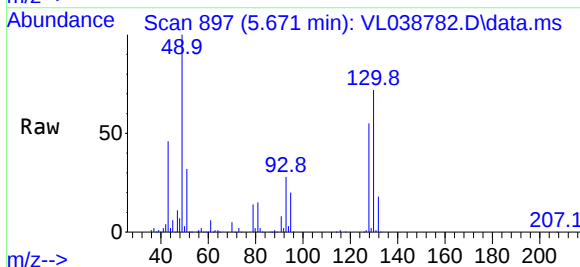
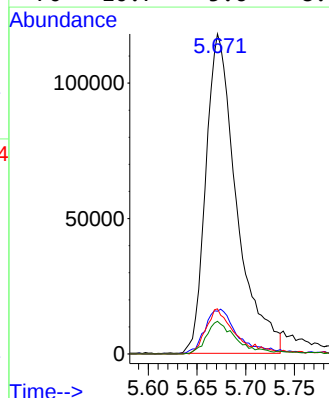
Ion Ratio Lower Upper

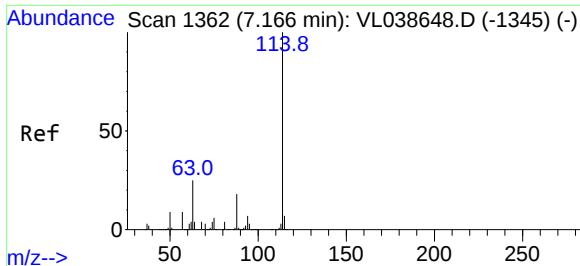
43 100

45 16.0 8.2 12.4#

61 14.5 8.3 12.5#

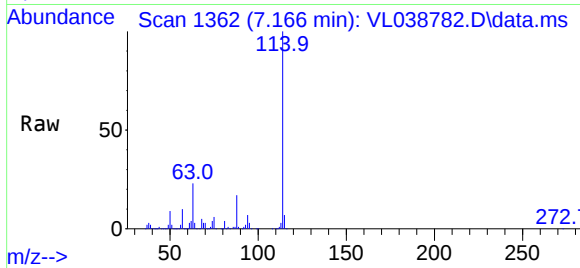
70 10.7 5.6 8.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

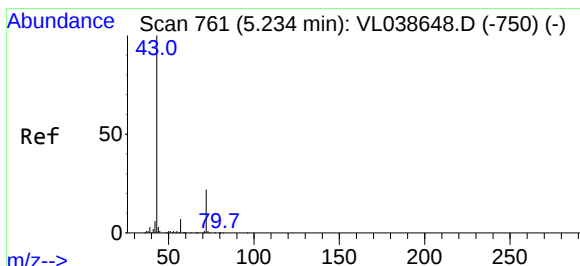
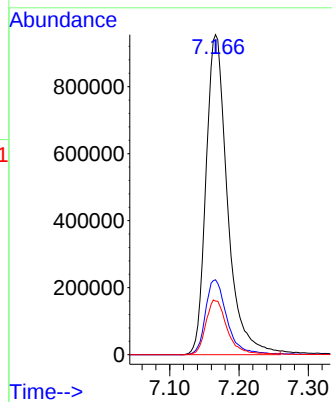
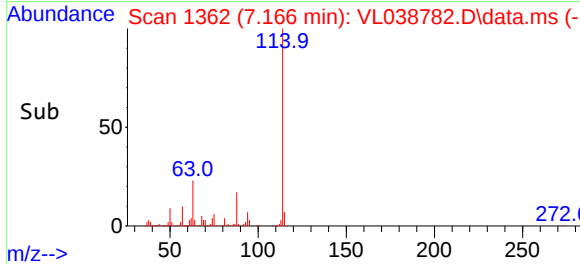
Instrument :
MSVOA_L
ClientSampleId :
V-1



Tgt Ion:114 Resp: 2057044
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.2 13.9 20.9

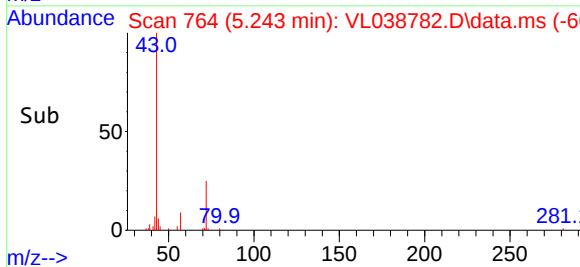
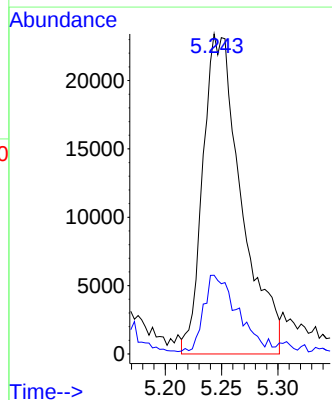
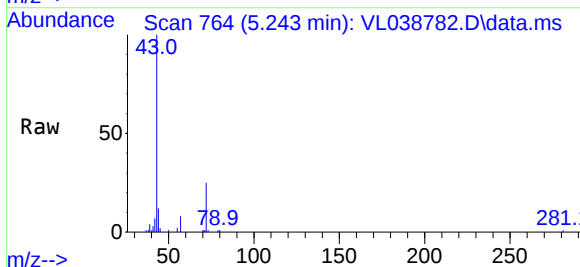
Manual Integrations
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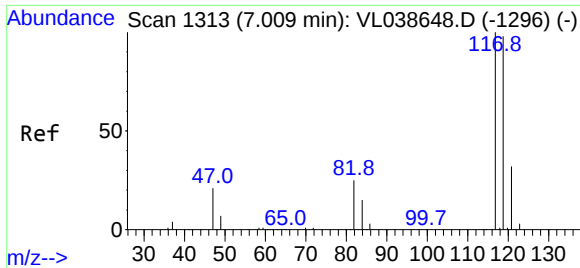
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#34
2-Butanone
Concen: 0.684 ppbv m
RT: 5.243 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

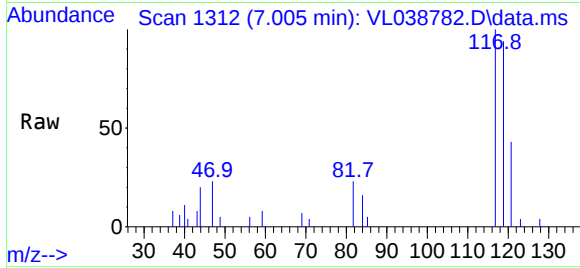
Tgt Ion: 43 Resp: 55690
Ion Ratio Lower Upper
43 100
72 25.3 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 7.005 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

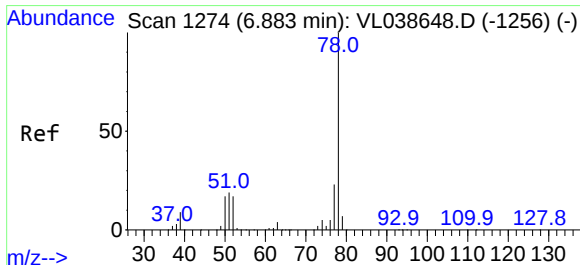
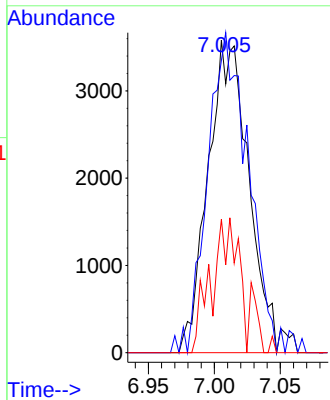
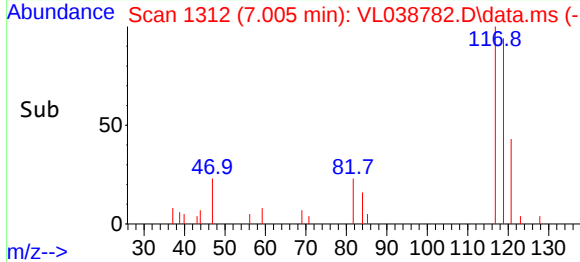
Instrument :
MSVOA_L
ClientSampleId :
V-1



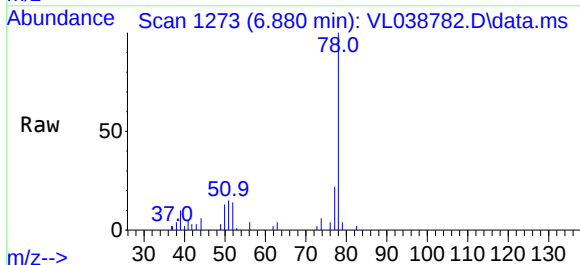
Tgt Ion:117 Resp: 763
Ion Ratio Lower Upper
117 100
119 93.5 78.1 117.1
121 42.7 25.8 38.6

Manual Integrations
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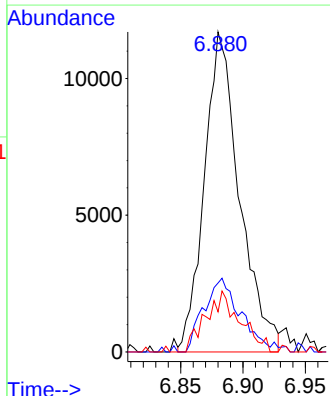
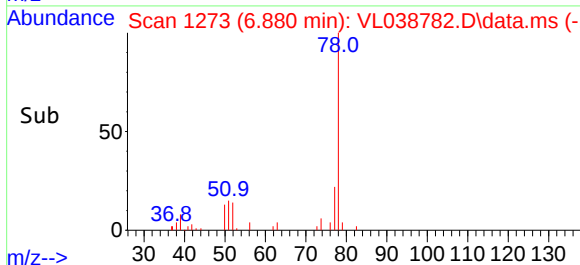
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

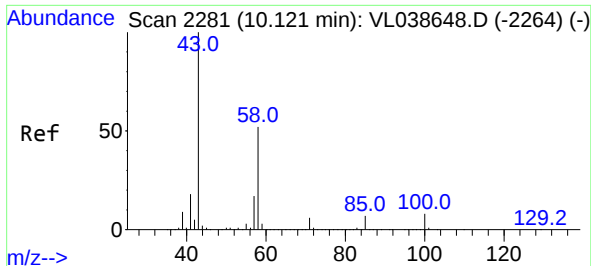


#36
Benzene
Concen: 0.145 ppbv
RT: 6.880 min Scan# 1273
Delta R.T. -0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21



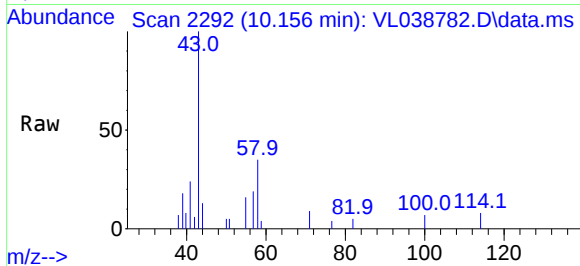
Tgt Ion: 78 Resp: 22946
Ion Ratio Lower Upper
78 100
77 21.9 18.1 27.1
50 12.7 13.6 20.4





#51
2-Hexanone
Concen: 0.105 ppbv m
RT: 10.156 min Scan# 2116
Delta R.T. 0.035 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

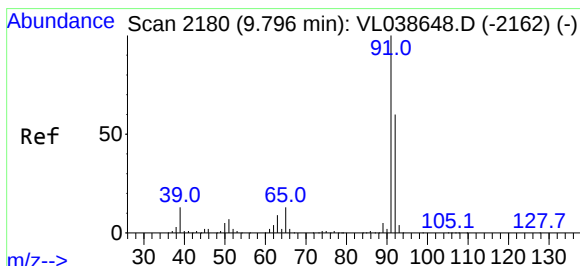
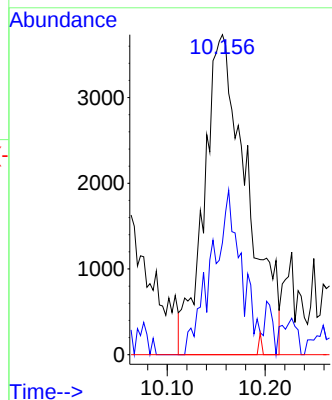
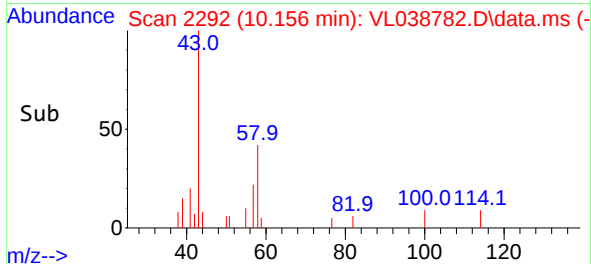
Instrument :
MSVOA_L
ClientSampleId :
V-1



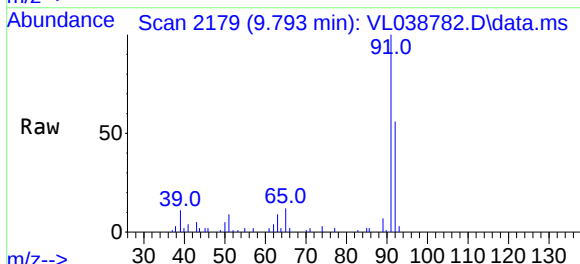
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 0.0 41.2 61.8
98 0.0 0.2 0.4

Manual Integrations
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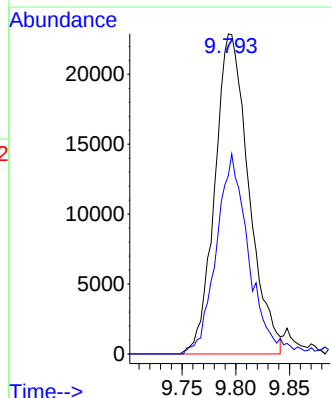
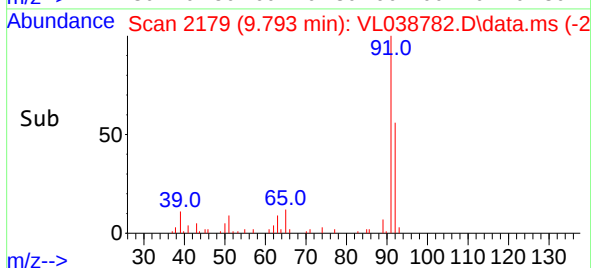
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

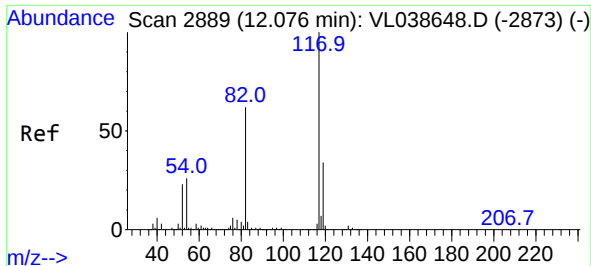


#53
Toluene
Concen: 0.294 ppbv
RT: 9.793 min Scan# 2179
Delta R.T. -0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21



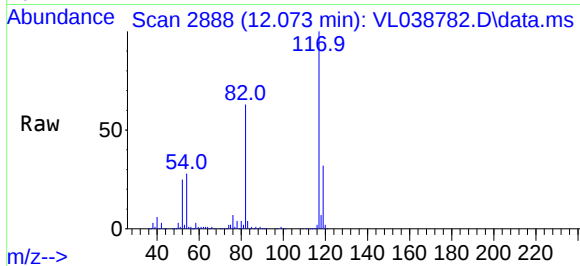
Tgt Ion: 91 Resp: 50116
Ion Ratio Lower Upper
91 100
92 60.5 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.073 min Scan# 2889
Delta R.T. -0.003 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21

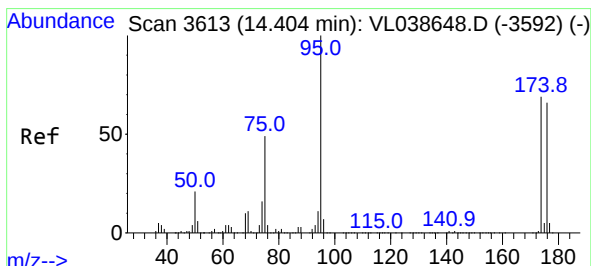
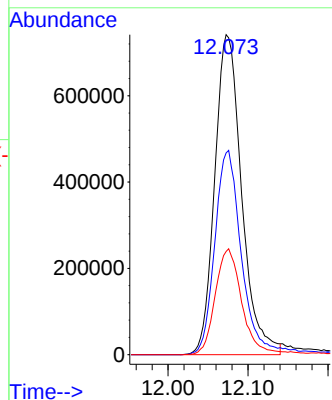
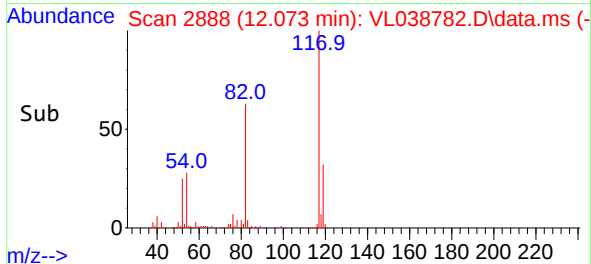
Instrument :
MSVOA_L
ClientSampleId :
V-1



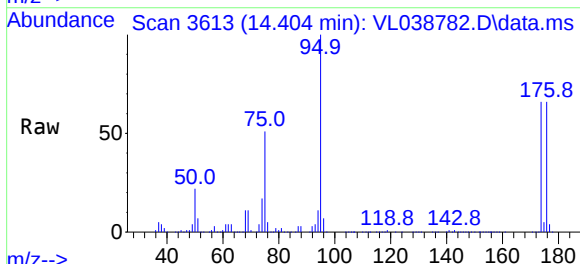
Tgt Ion: 117 Resp: 1734699
Ion Ratio Lower Upper
117 100
82 65.4 51.6 77.4
119 34.2 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.977 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.000 min
Lab File: VL038782.D
Acq: 28 Mar 2022 22:21



Tgt Ion: 95 Resp: 1326884
Ion Ratio Lower Upper
95 100
174 70.0 56.1 84.1
175 4.9 4.2 6.2

