

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039386.D
 Acq On : 28 Jun 2022 9:52
 Operator : SY/AP
 Sample : N3508-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7-20220624

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 29 06:05:12 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.655	49	1078516	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	2881233	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	2683722	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 1949626 8.787 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 87.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	25377m	0.134	ppbv	
9) Propene	3.005	41	528159	8.827	ppbv	91
10) Heptane	8.105	43	29752m	0.213	ppbv	
13) Ethanol	3.584	45	114440m	35.070	ppbv	
15) Acetone	3.832	43	11234729	100.000	ppbv	92
17) tert-Butyl alcohol	4.279	59	80757m	0.927	ppbv	
19) Isopropyl Alcohol	3.951	45	514849	9.771	ppbv #	93
20) Methylene Chloride	4.333	84	122113	2.579	ppbv	89
26) Hexane	5.674	57	78897	0.709	ppbv #	24
27) Carbon Disulfide	4.542	76	59815	0.519	ppbv #	66
29) Chloroform	5.742	83	30677m	0.164	ppbv	
34) 2-Butanone	5.230	43	830981	5.309	ppbv	97
36) Benzene	6.880	78	25478m	0.109	ppbv	
44) 2,2,4-Trimethylpentane	7.854	57	43812m	0.107	ppbv	
51) 2-Hexanone	10.124	43	136166m	0.747	ppbv	
52) Tetrachloroethene	11.204	164	4087m	0.045	ppbv	
53) Toluene	9.793	91	51140m	0.190	ppbv	
59) m/p-Xylene	12.941	91	56587m	0.174	ppbv	
60) o-Xylene	13.674	91	35777m	0.117	ppbv	
74) 1,2,4-Trimethylbenzene	16.735	105	55336m	0.153	ppbv	

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

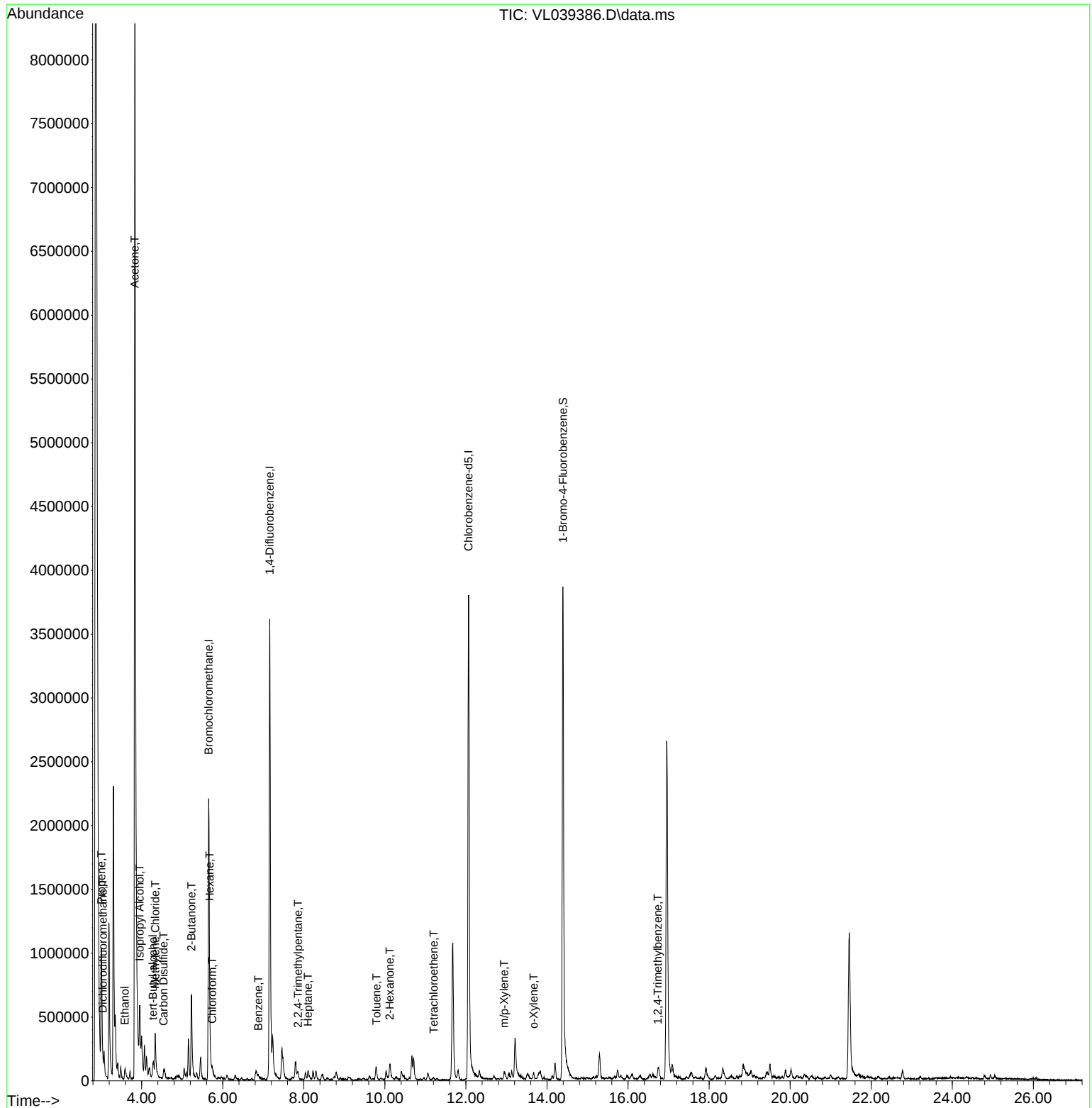
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039386.D
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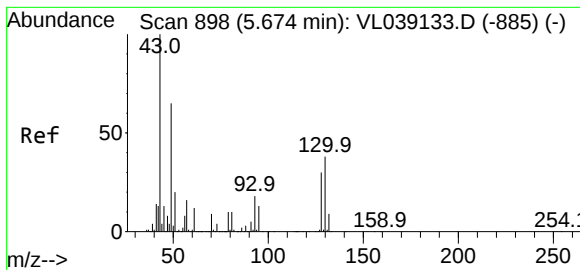
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624

Quant Time: Jun 29 06:05:12 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
APPROVED

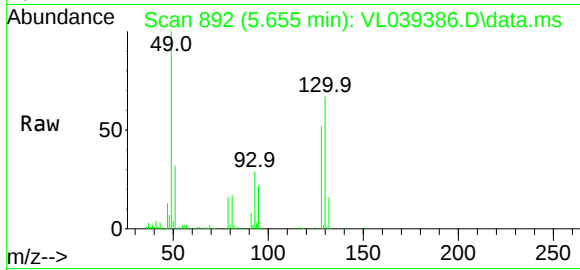
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

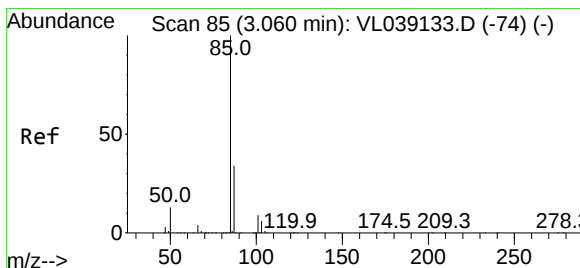
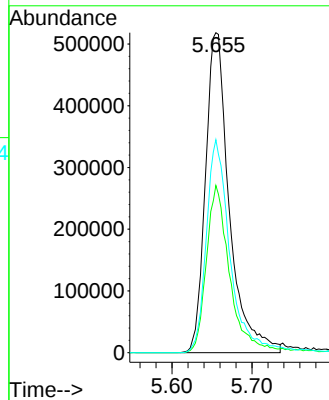
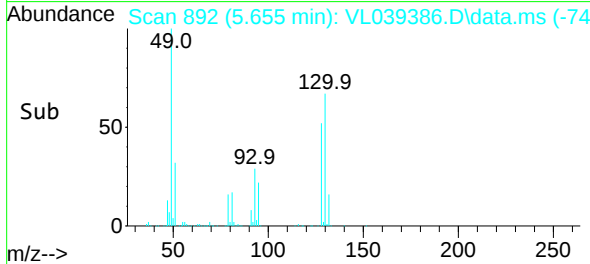
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



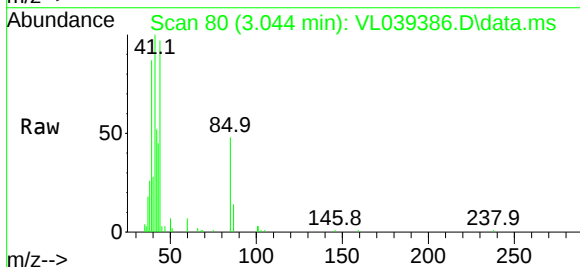
Tgt Ion: 49 Resp: 1078510
Ion Ratio Lower Upper
49 100
128 52.9 24.7 74.1
130 67.3 31.4 94.0

Manual Integrations
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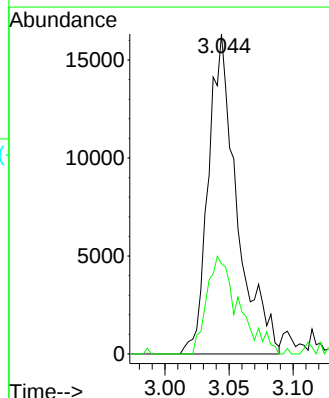
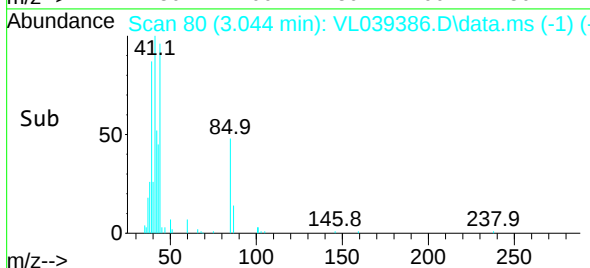
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

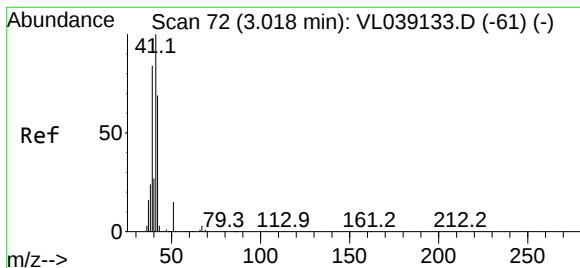


#2
Dichlorodifluoromethane
Concen: 0.134 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



Tgt Ion: 85 Resp: 25377
Ion Ratio Lower Upper
85 100
87 28.2 26.9 40.3





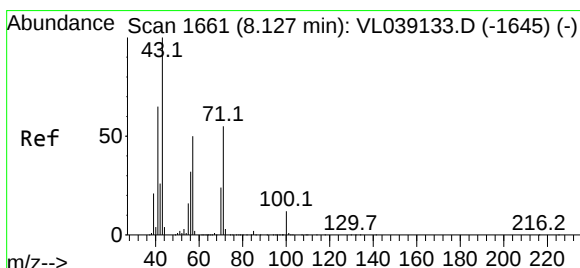
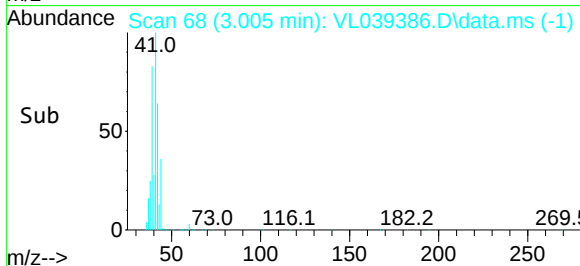
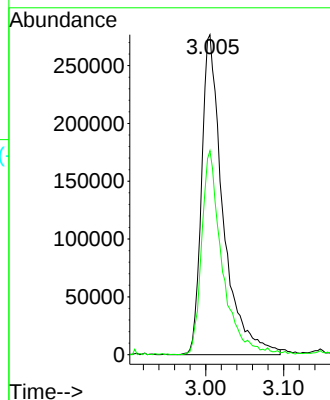
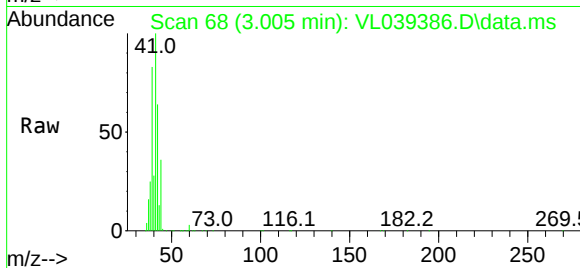
#9
 Propene
 Concen: 8.827 ppbv
 RT: 3.005 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL039386.D
 Acq: 28 Jun 2022 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-7-20220624

Tgt Ion: 41 Resp: 52815
 Ion Ratio Lower Upper
 41 100
 42 61.6 55.4 83.2

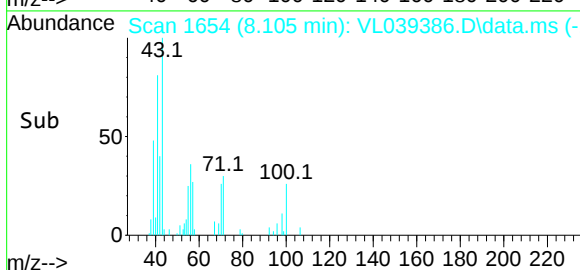
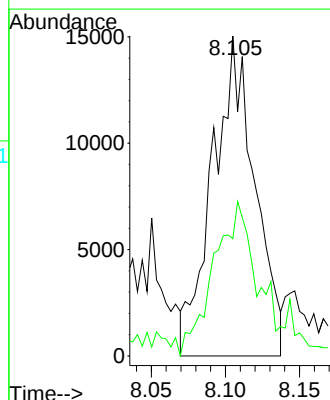
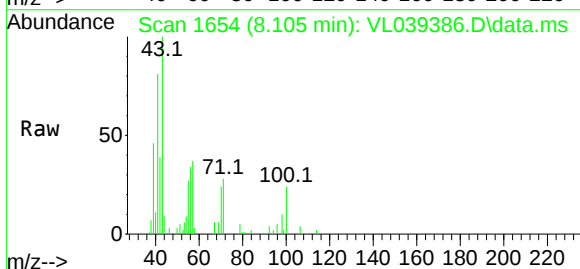
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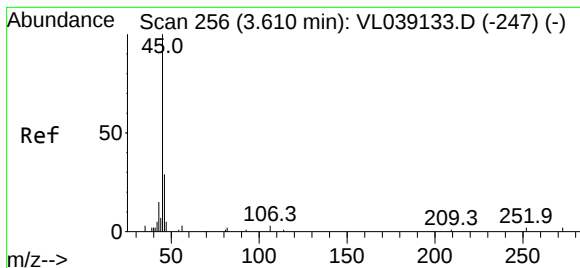
Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.213 ppbv m
 RT: 8.105 min Scan# 1654
 Delta R.T. -0.022 min
 Lab File: VL039386.D
 Acq: 28 Jun 2022 9:52

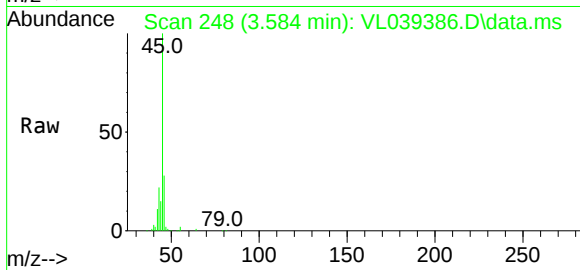
Tgt Ion: 43 Resp: 29752
 Ion Ratio Lower Upper
 43 100
 57 63.6 41.4 62.2#





#13
Ethanol
Concen: 35.070 ppbv m
RT: 3.584 min Scan# 248
Delta R.T. -0.026 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

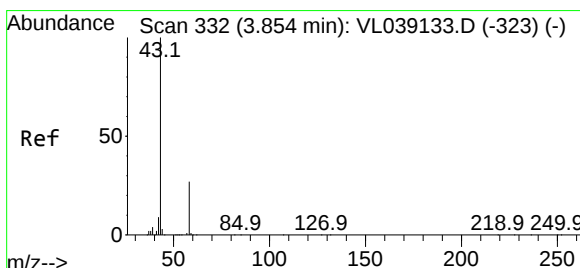
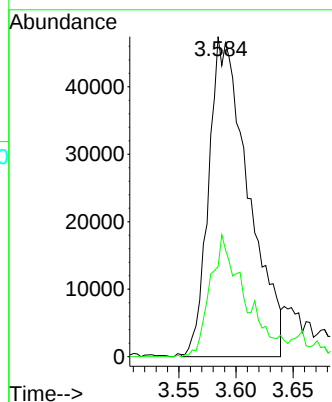
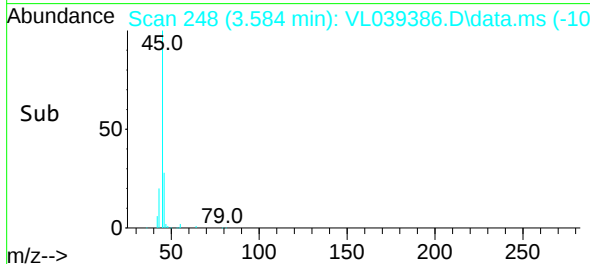
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



Tgt Ion: 45 Resp: 114440
Ion Ratio Lower Upper
45 100
46 39.8 0.0 0.0

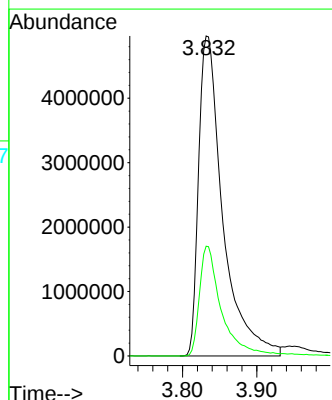
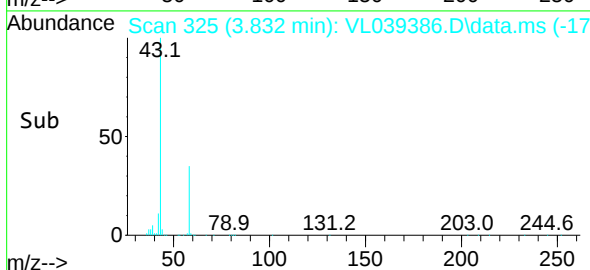
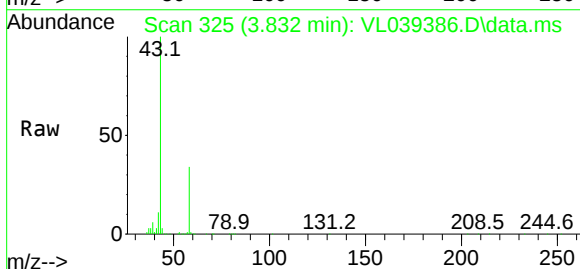
Manual Integrations
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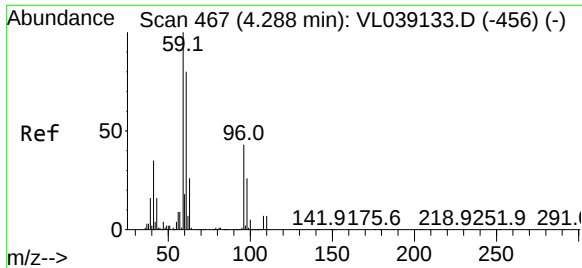
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#15
Acetone
Concen: 100.000 ppbv
RT: 3.832 min Scan# 325
Delta R.T. -0.022 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

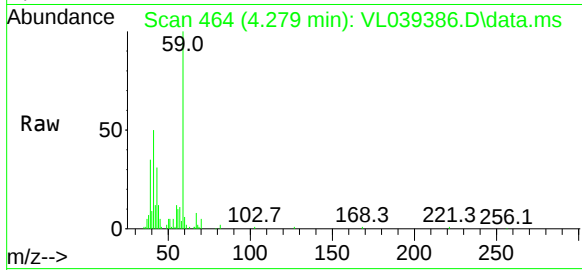
Tgt Ion: 43 Resp:11234729
Ion Ratio Lower Upper
43 100
58 32.1 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.927 ppbv
RT: 4.279 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

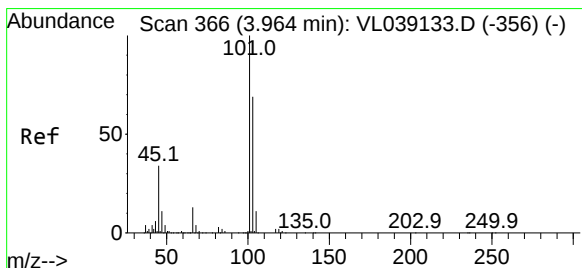
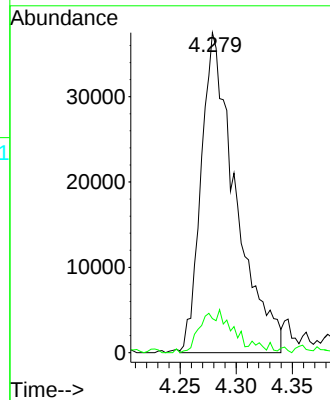
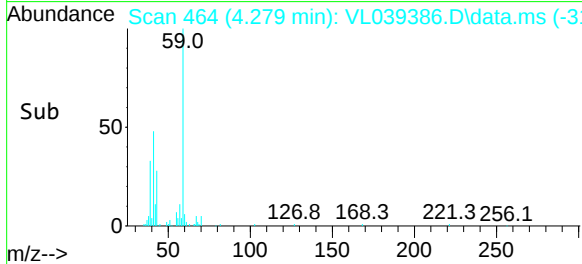
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



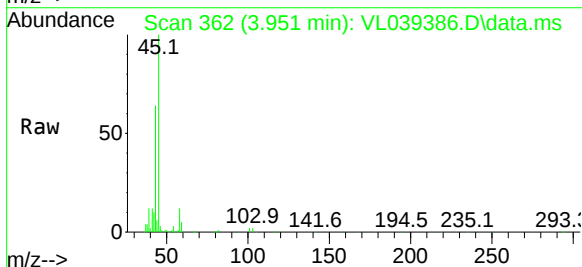
Tgt Ion: 59 Resp: 8075
Ion Ratio Lower Upper
59 100
57 13.3 9.1 13.7

Manual Integrations
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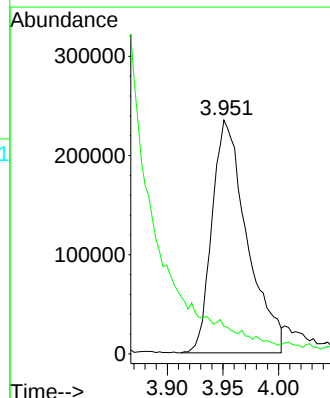
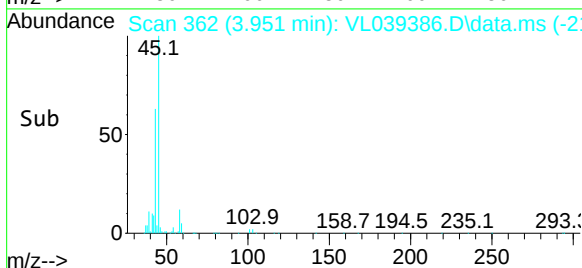
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

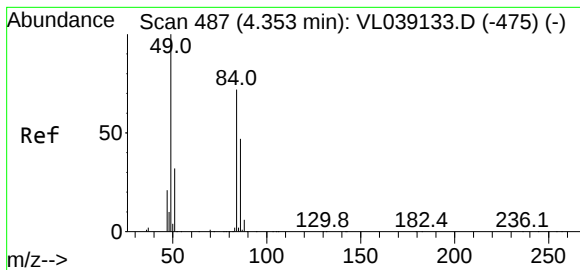


#19
Isopropyl Alcohol
Concen: 9.771 ppbv
RT: 3.951 min Scan# 362
Delta R.T. -0.013 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



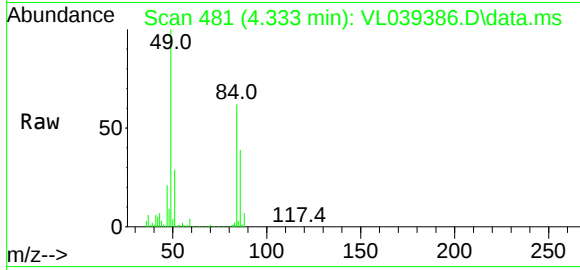
Tgt Ion: 45 Resp: 514849
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 2.579 ppbv
RT: 4.333 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624

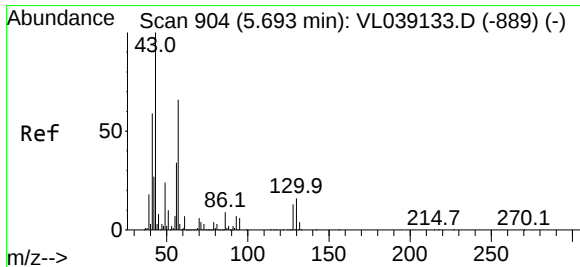
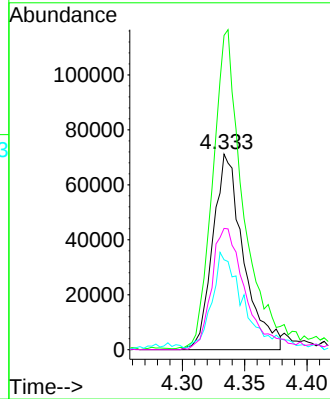
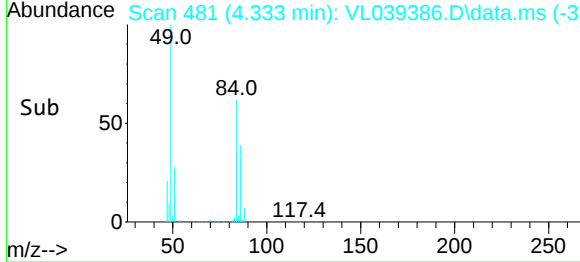


Tgt Ion: 84 Resp: 12211

Ion	Ratio	Lower	Upper
84	100		
49	159.5	111.1	166.7
51	43.2	35.3	52.9
86	62.0	51.9	77.9

Manual Integrations
APPROVED

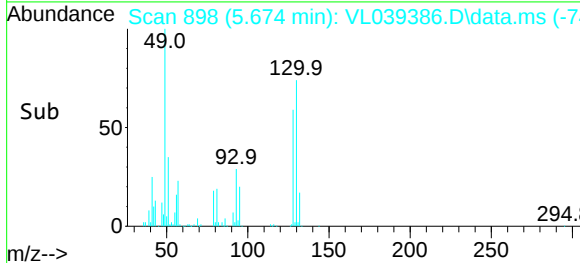
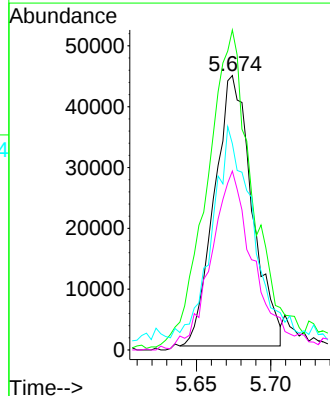
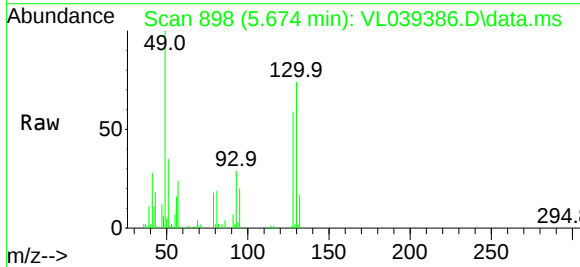
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

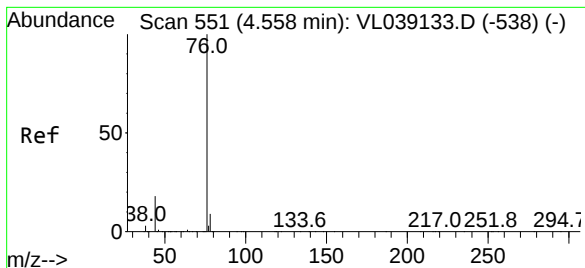


#26
Hexane
Concen: 0.709 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

Tgt Ion: 57 Resp: 78897

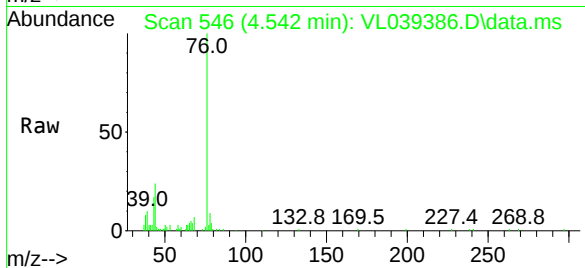
Ion	Ratio	Lower	Upper
57	100		
41	159.7	72.4	108.6#
43	91.1	187.0	280.6#
56	81.4	41.8	62.6#





#27
Carbon Disulfide
Concen: 0.519 ppbv
RT: 4.542 min Scan# 546
Delta R.T. -0.016 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

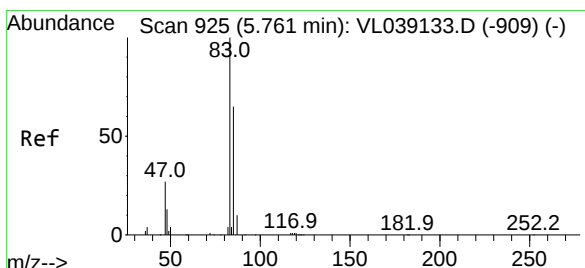
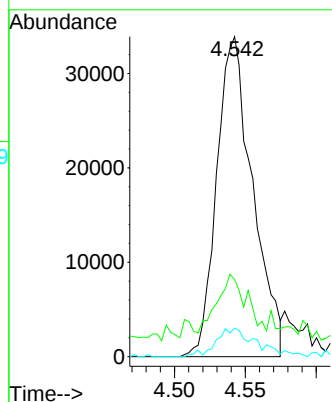
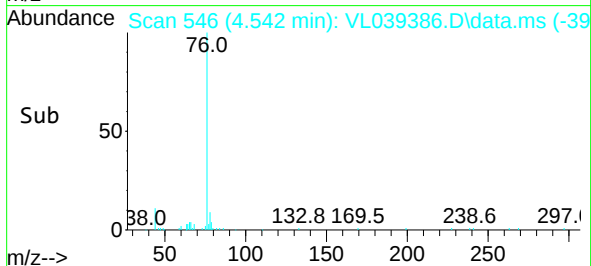
Instrument : MSVOA_L
ClientSampleId : SV-7-20220624



Tgt Ion: 76 Resp: 59815
Ion Ratio Lower Upper
76 100
44 40.6 14.4 21.6
78 10.4 7.7 11.5

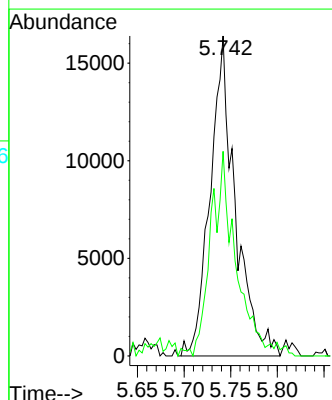
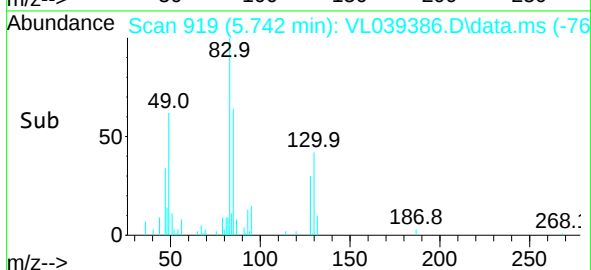
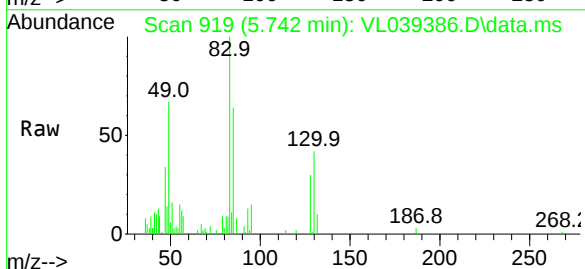
Manual Integrations
APPROVED

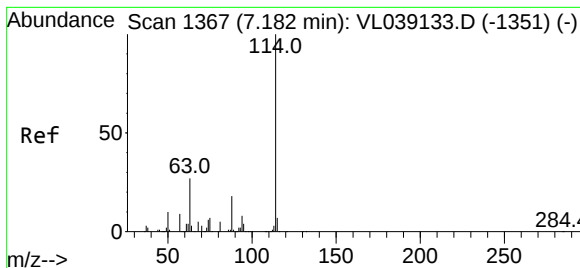
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#29
Chloroform
Concen: 0.164 ppbv m
RT: 5.742 min Scan# 919
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

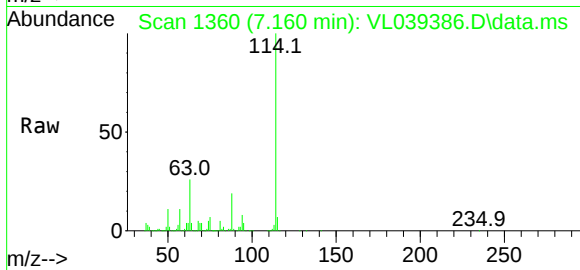
Tgt Ion: 83 Resp: 30677
Ion Ratio Lower Upper
83 100
85 63.9 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 114
Delta R.T. -0.022 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

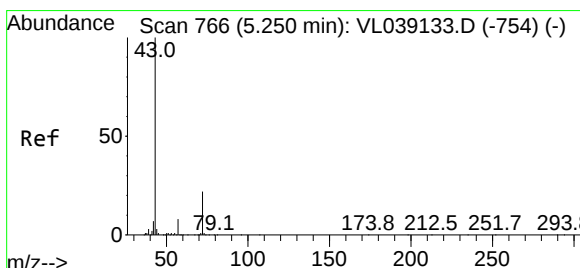
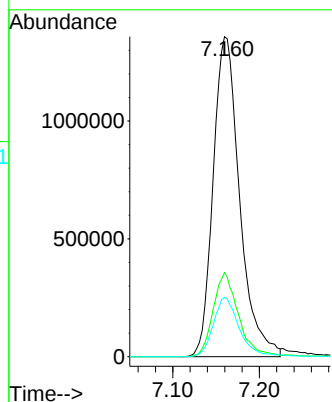
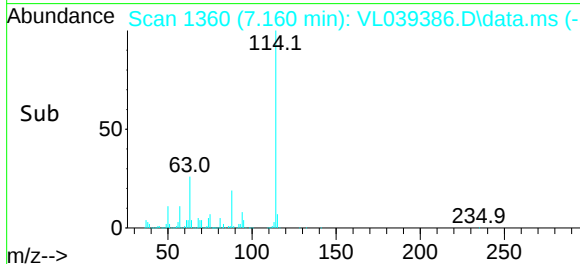
Instrument : MSVOA_L
ClientSampleId : SV-7-20220624



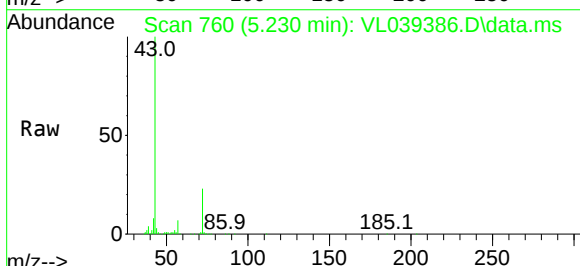
Tgt Ion:114 Resp: 288123
Ion Ratio Lower Upper
114 100
63 25.6 21.7 32.5
88 18.4 14.8 22.2

Manual Integrations
APPROVED

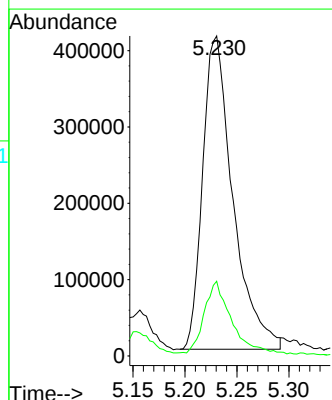
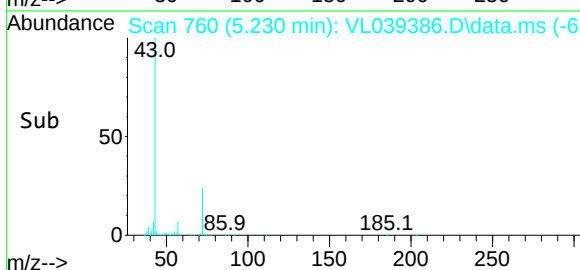
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

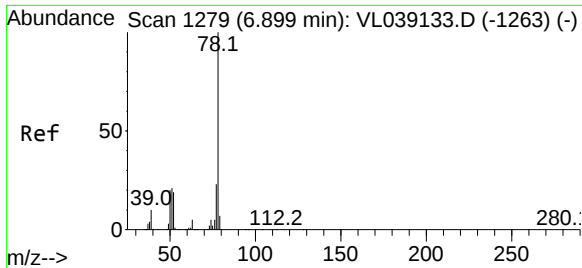


#34
2-Butanone
Concen: 5.309 ppbv
RT: 5.230 min Scan# 760
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



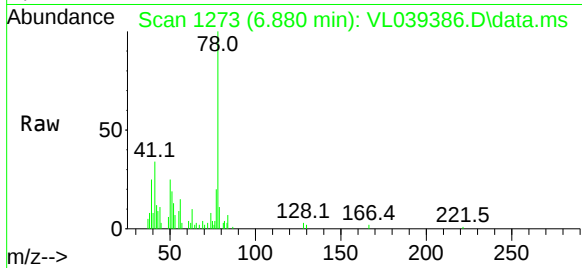
Tgt Ion: 43 Resp: 830981
Ion Ratio Lower Upper
43 100
72 24.2 18.2 27.2





#36
Benzene
Concen: 0.109 ppbv m
RT: 6.880 min Scan# 1576
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

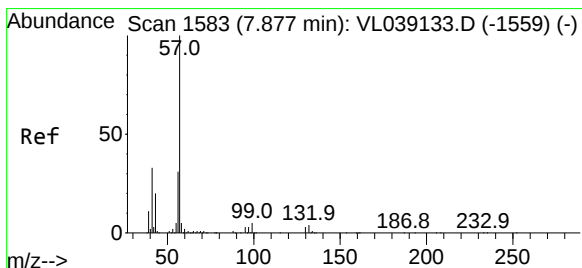
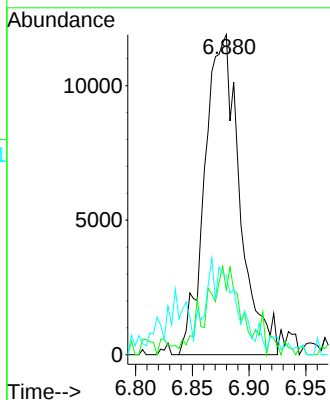
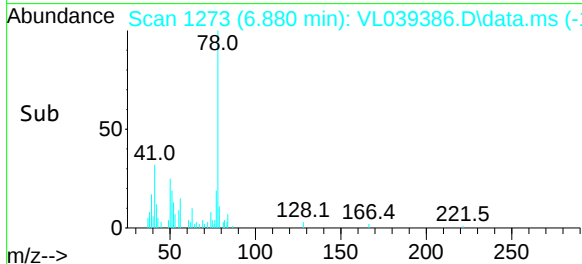
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



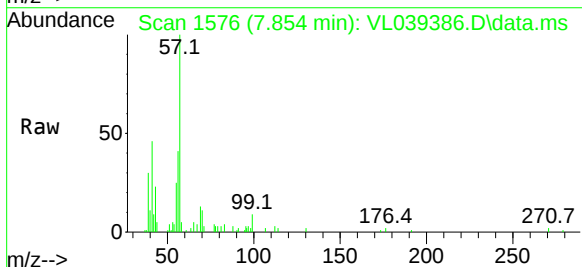
Tgt Ion: 78 Resp: 25478
Ion Ratio Lower Upper
78 100
77 20.2 18.6 27.8
50 24.7 15.8 23.8

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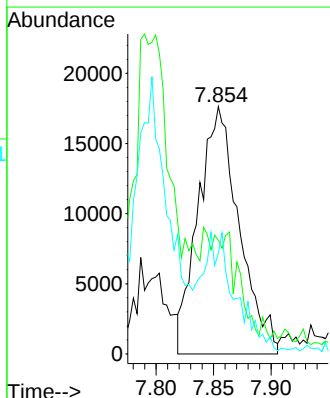
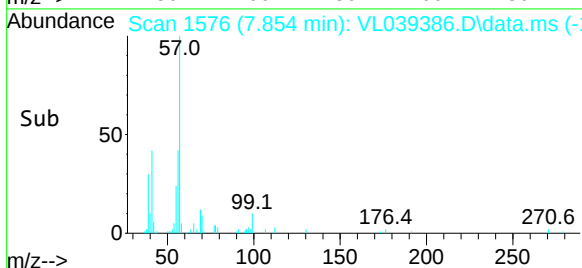
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

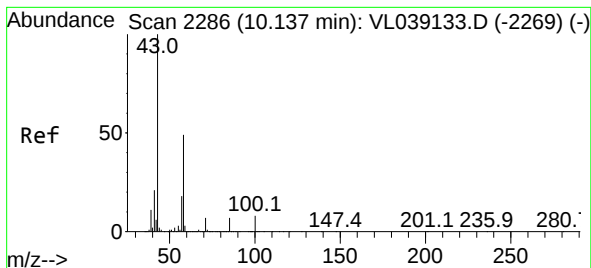


#44
2,2,4-Trimethylpentane
Concen: 0.107 ppbv m
RT: 7.854 min Scan# 1576
Delta R.T. -0.022 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



Tgt Ion: 57 Resp: 43812
Ion Ratio Lower Upper
57 100
41 42.2 26.2 39.4#
56 40.4 24.7 37.1#





#51

2-Hexanone

Concen: 0.747 ppbv m

RT: 10.124 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL039386.D

Acq: 28 Jun 2022 9:52

Instrument :

MSVOA_L

ClientSampleId :

SV-7-20220624

Tgt Ion: 43 Resp: 136160

Ion Ratio Lower Upper

43 100

58 0.0 40.0 60.0

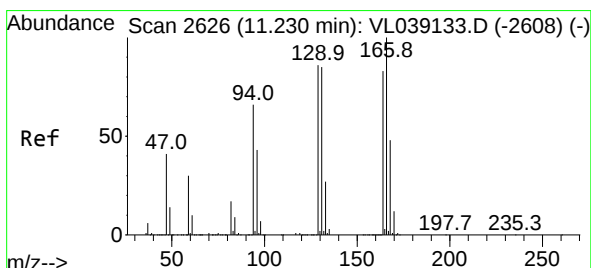
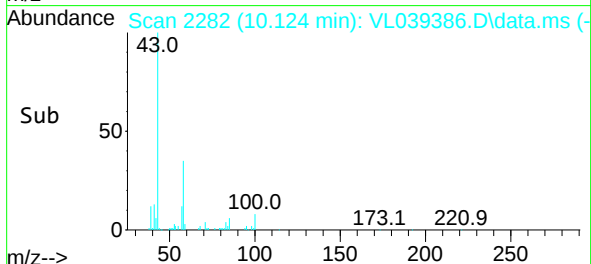
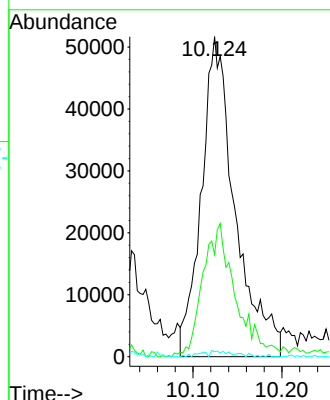
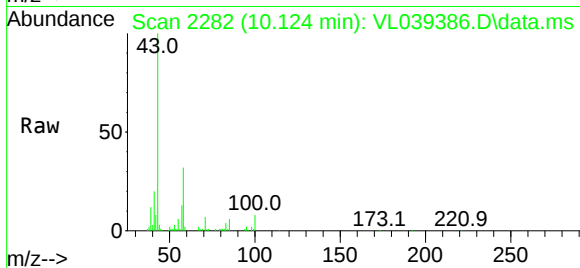
98 1.7 0.1 0.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#52

Tetrachloroethene

Concen: 0.045 ppbv m

RT: 11.204 min Scan# 2618

Delta R.T. -0.026 min

Lab File: VL039386.D

Acq: 28 Jun 2022 9:52

Tgt Ion:164 Resp: 4087

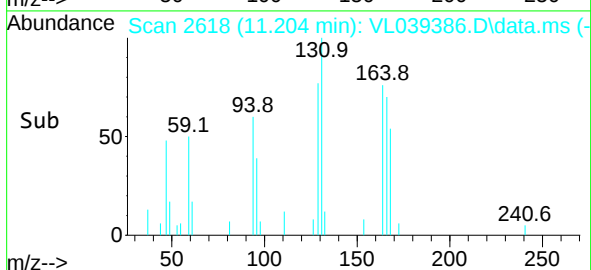
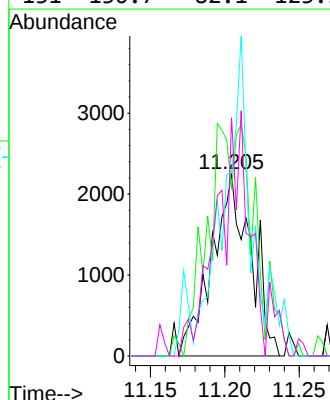
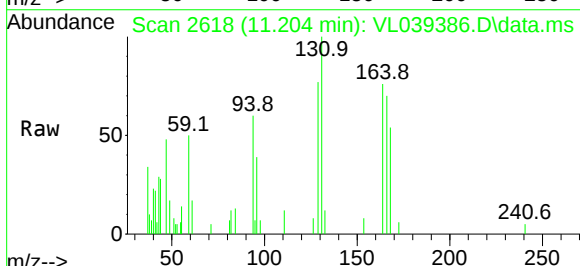
Ion Ratio Lower Upper

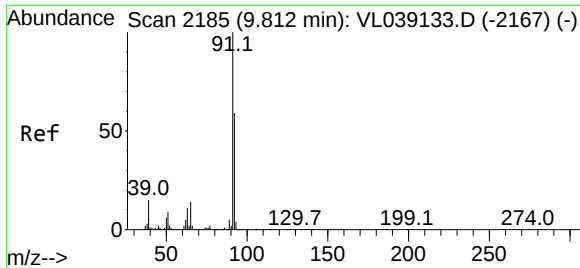
164 100

166 91.5 96.3 144.5#

129 100.4 82.5 123.7

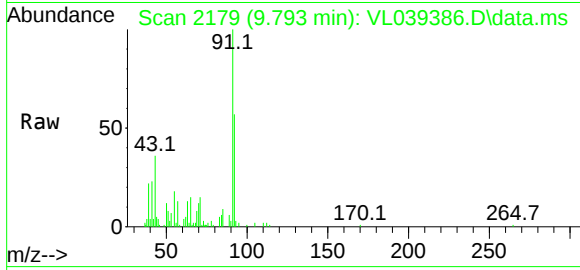
131 130.7 82.1 123.1#





#53
Toluene
Concen: 0.190 ppbv m
RT: 9.793 min Scan# 2185
Delta R.T. -0.019 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

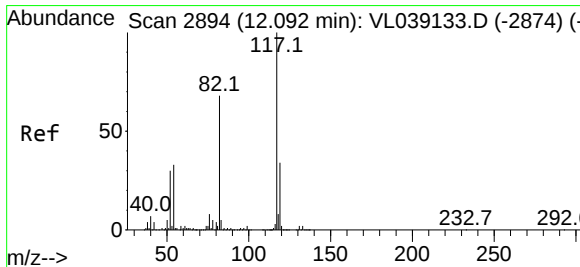
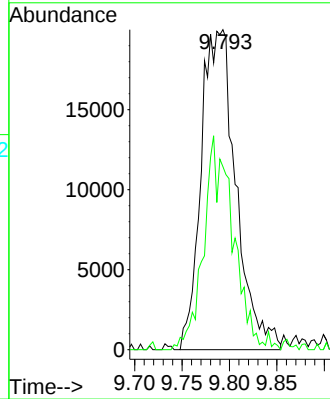
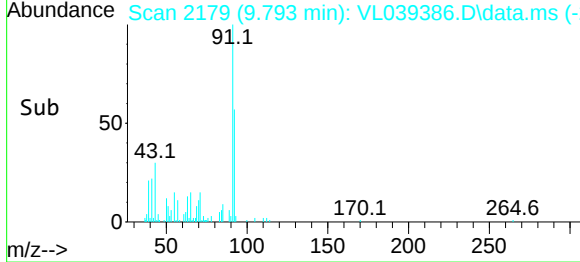
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



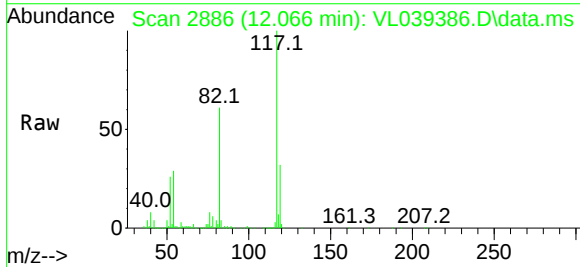
Tgt Ion: 91 Resp: 51140
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1

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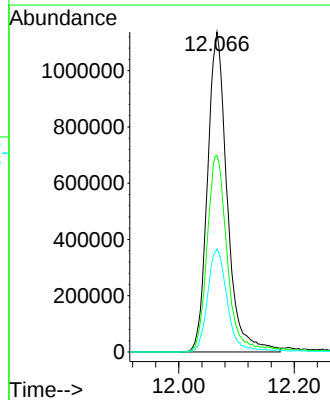
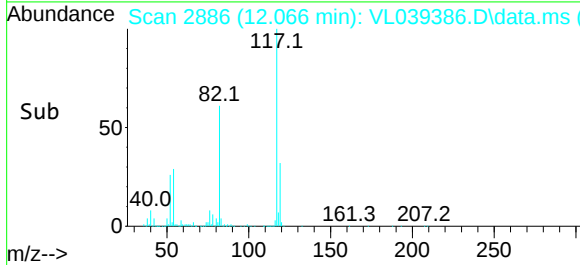
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

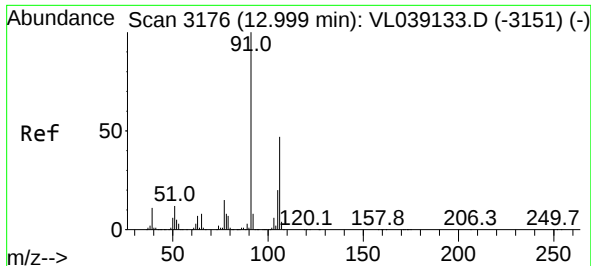


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.026 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



Tgt Ion:117 Resp: 2683722
Ion Ratio Lower Upper
117 100
82 64.4 55.1 82.7
119 33.1 24.7 37.1





#59

m/p-Xylene

Concen: 0.174 ppbv m

RT: 12.941 min Scan# 3176

Delta R.T. -0.058 min

Lab File: VL039386.D

Acq: 28 Jun 2022 9:52

Instrument :

MSVOA_L

ClientSampleId :

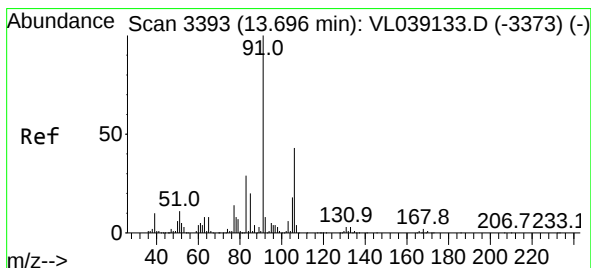
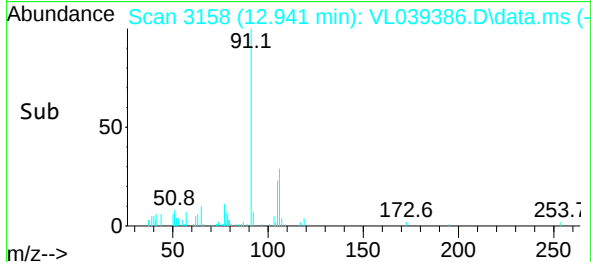
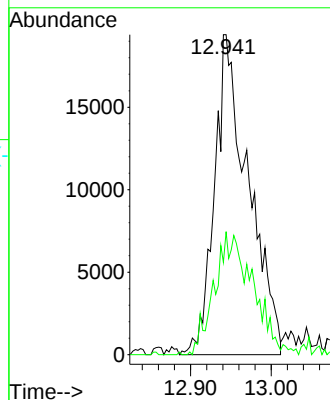
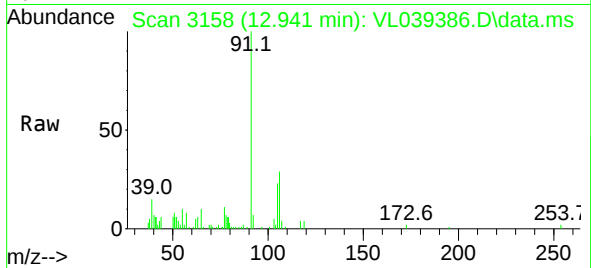
SV-7-20220624

Tgt Ion: 91 Resp: 5658
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#60

o-Xylene

Concen: 0.117 ppbv m

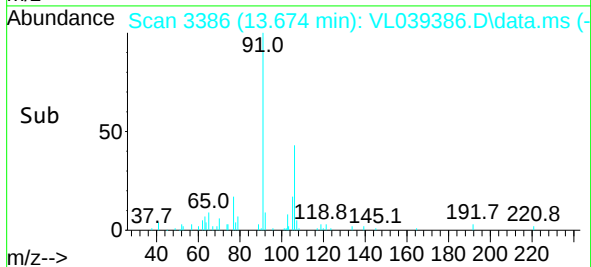
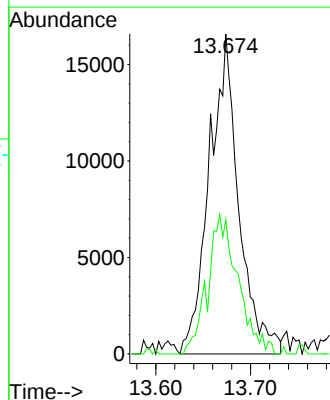
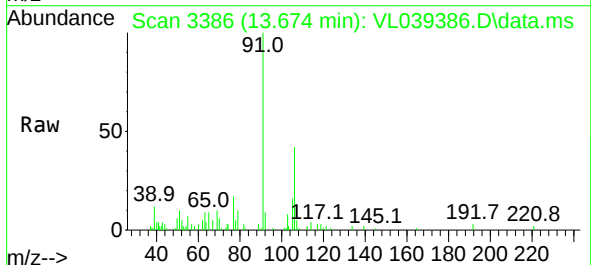
RT: 13.674 min Scan# 3386

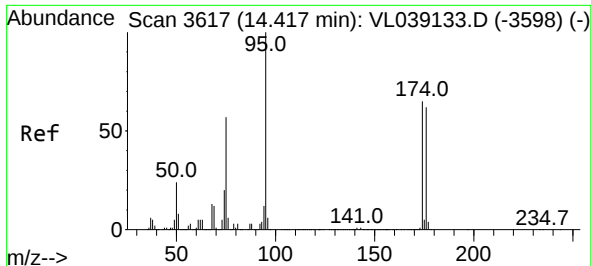
Delta R.T. -0.022 min

Lab File: VL039386.D

Acq: 28 Jun 2022 9:52

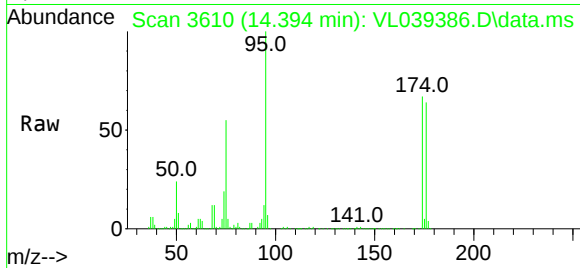
Tgt Ion: 91 Resp: 35777
 Ion Ratio Lower Upper
 91 100
 106 45.2 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 8.787 ppbv
RT: 14.394 min Scan# 30
Delta R.T. -0.022 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52

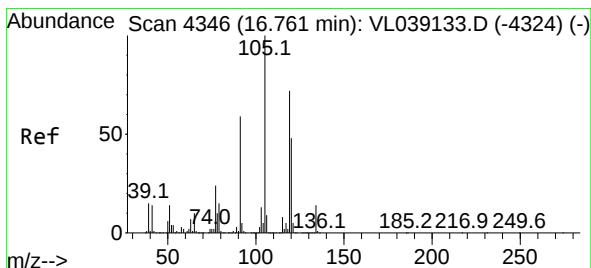
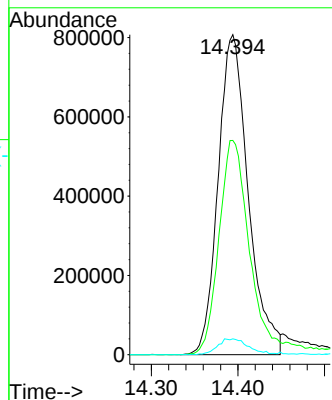
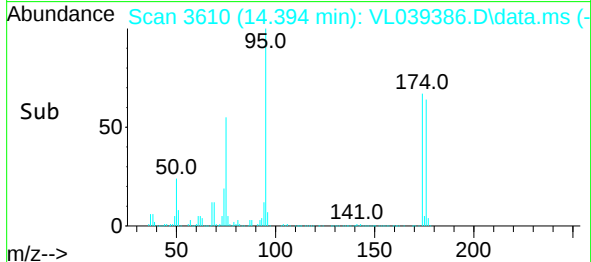
Instrument :
MSVOA_L
ClientSampleId :
SV-7-20220624



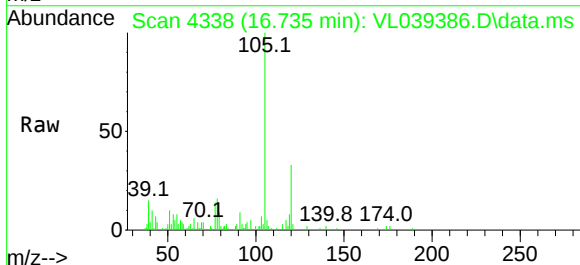
Tgt Ion: 95 Resp: 1949620
Ion Ratio Lower Upper
95 100
174 72.8 53.8 80.8
175 5.6 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.153 ppbv m
RT: 16.735 min Scan# 4338
Delta R.T. -0.026 min
Lab File: VL039386.D
Acq: 28 Jun 2022 9:52



Tgt Ion:105 Resp: 55336
Ion Ratio Lower Upper
105 100
120 32.9 38.1 57.1#
91 9.4 47.4 71.0#
77 13.5 19.5 29.3#

