

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL039001.D
 Acq On : 10 May 2022 00:22
 Operator : SY/AP
 Sample : N2696-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 10 05:48:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							05/11/2022 Supervised By :Mahesh Dadoda
1) Bromochloromethane	5.648	49	1144758	10.000	ppbv	-0.03	
33) 1,4-Difluorobenzene	7.150	114	3242273	10.000	ppbv	-0.02	
55) Chlorobenzene-d5	12.101	117	514035	10.000	ppbv	# 0.03	
System Monitoring Compounds							05/11/2022
68) 1-Bromo-4-Fluorobenzene	14.474	95	7225588	177.494	ppbv	0.07	
Spiked Amount	10.000	Range	65 - 135	Recovery	= 1774.900%	#	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.034	85	98007	0.546	ppbv		99
3) Chlorodifluoromethane	2.973	51	54568m	0.384	ppbv		
4) Chloromethane	3.128	50	34173m	0.480	ppbv		
9) Propene	2.999	41	3766116	60.711	ppbv		88
10) Heptane	8.159	43	49619812	326.039	ppbv	#	65
11) Trichlorofluoromethane	3.941	101	30578	0.199	ppbv		94
13) Ethanol	3.587	45	236356	53.839	ppbv		89
15) Acetone	3.835	43	1652417	15.302	ppbv		91
17) tert-Butyl alcohol	4.272	59	542856	6.541	ppbv		97
19) Isopropyl Alcohol	3.951	45	212595	4.141	ppbv	#	95
20) Methylene Chloride	4.333	84	322728	7.930	ppbv		96
26) Hexane	5.671	57	9163421	79.794	ppbv	#	39
27) Carbon Disulfide	4.536	76	286609	2.627	ppbv		94
29) Chloroform	5.732	83	38789m	0.209	ppbv		
30) Cyclohexane	7.108	84	1744048	18.139	ppbv	#	81
32) 1,1,1-Trichloroethane	6.488	97	308601	1.661	ppbv		98
34) 2-Butanone	5.221	43	874103	5.284	ppbv		99
35) Carbon Tetrachloride	6.999	117	7028m	0.033	ppbv		
36) Benzene	6.867	78	778237	2.805	ppbv	#	96
41) Tetrahydrofuran	6.025	42	348503	3.135	ppbv		93
52) Tetrachloroethene	11.259	164	256899	2.591	ppbv		89
53) Toluene	9.803	91	2459368	7.908	ppbv		86
67) sec-Butylbenzene	17.326	105	255264	2.346	ppbv		99
72) 4-Ethyltoluene	15.860	105	633772	9.357	ppbv	#	73
73) 1,3,5-Trimethylbenzene	16.098	105	212998	3.493	ppbv		91
74) 1,2,4-Trimethylbenzene	16.805	105	332366	4.978	ppbv	#	77

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

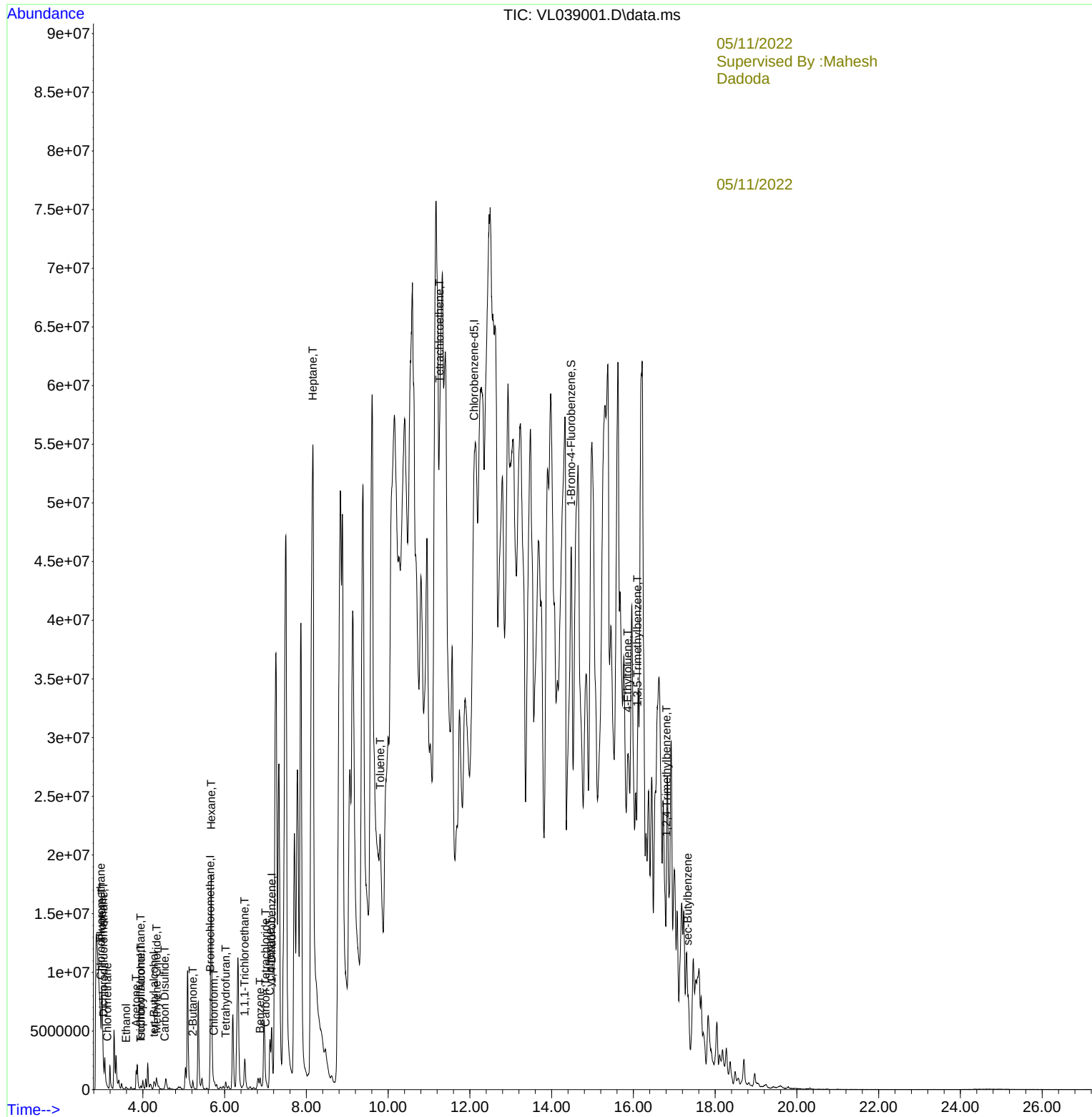
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL039001.D
Acq On : 10 May 2022 00:22
Operator : SY/AP
Sample : N2696-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

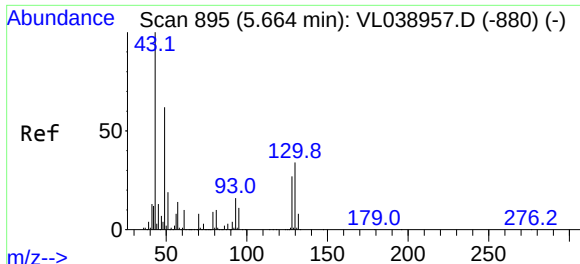
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

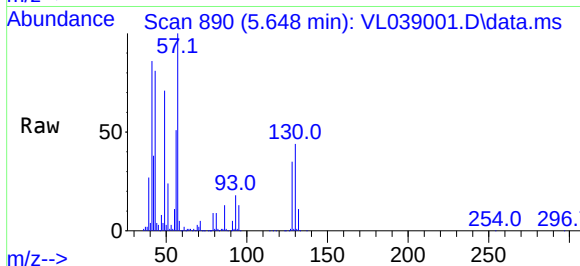
Quant Time: May 10 05:48:33 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 89
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

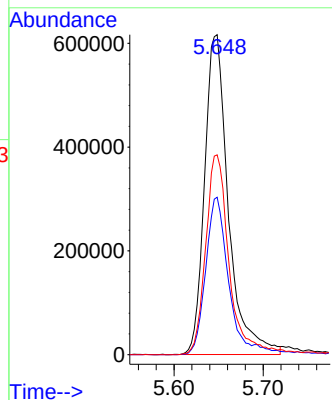
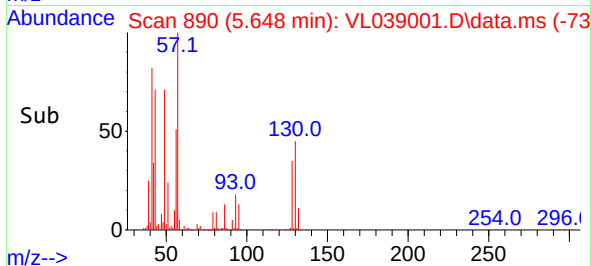
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 1144758
Ion Ratio Lower Upper
49 100
128 48.7 23.3 69.8
130 63.3 29.8 89.3

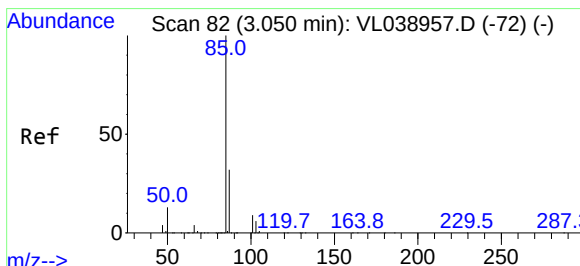
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



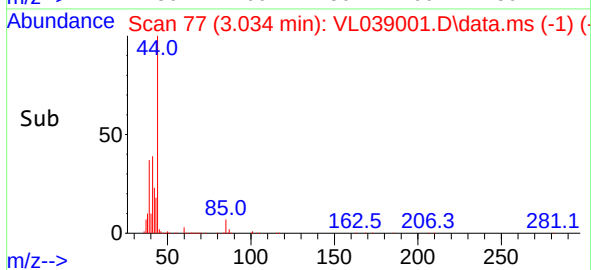
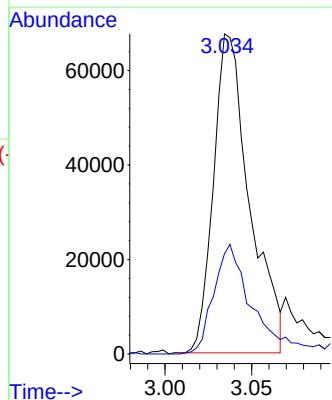
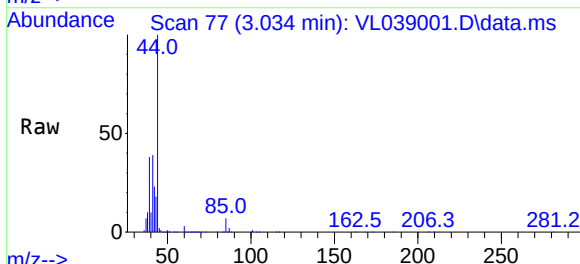
05/11/2022
Supervised By :Mahesh
Dadoda

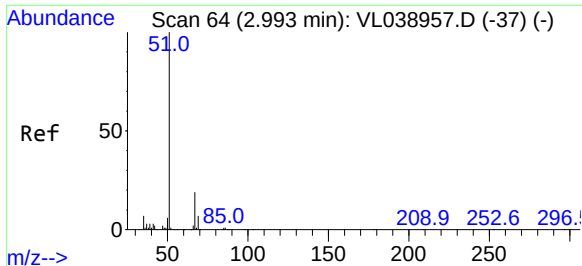
05/11/2022



#2
Dichlorodifluoromethane
Concen: 0.546 ppbv
RT: 3.034 min Scan# 77
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

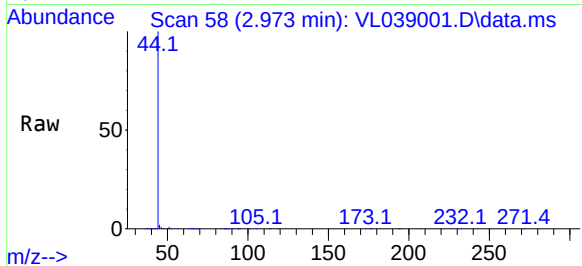
Tgt Ion: 85 Resp: 98007
Ion Ratio Lower Upper
85 100
87 31.4 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.384 ppbv m
RT: 2.973 min Scan# 51
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

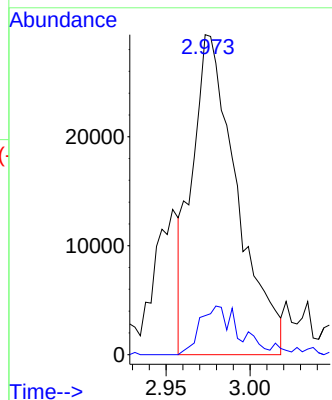
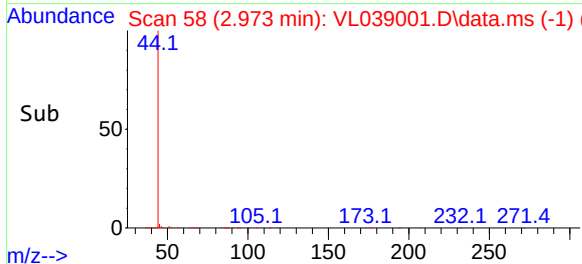
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 51 Resp: 5456
Ion Ratio Lower Upper
51 100
67 3.0 15.8 23.8

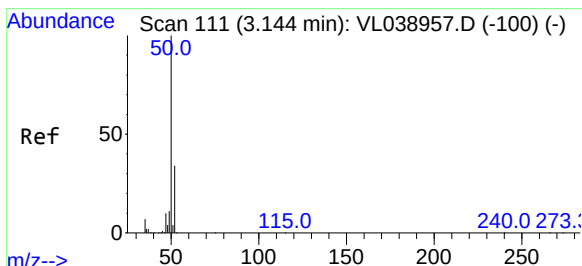
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

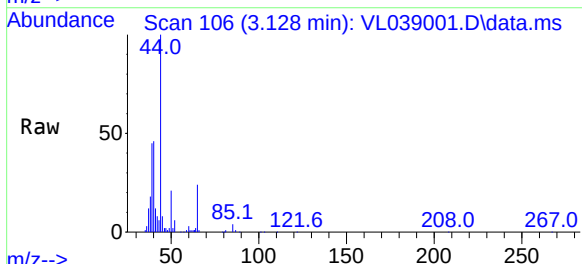


05/11/2022
Supervised By :Mahesh
Dadoda

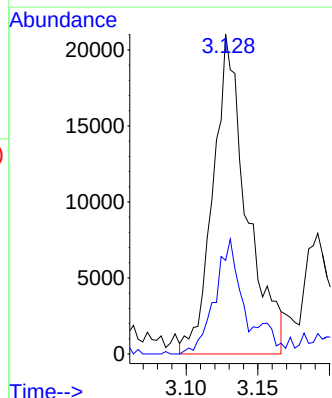
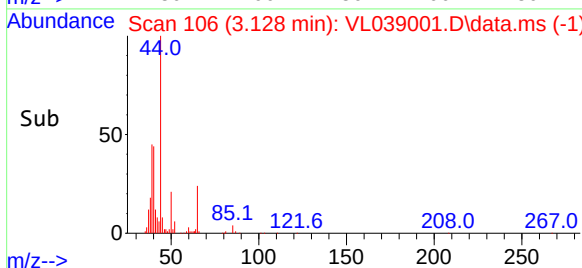
05/11/2022

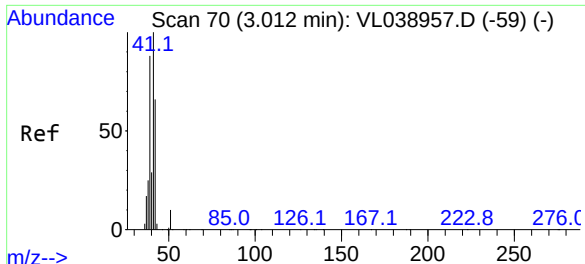


#4
Chloromethane
Concen: 0.480 ppbv m
RT: 3.128 min Scan# 106
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



Tgt Ion: 50 Resp: 34173
Ion Ratio Lower Upper
50 100
52 29.2 27.3 40.9





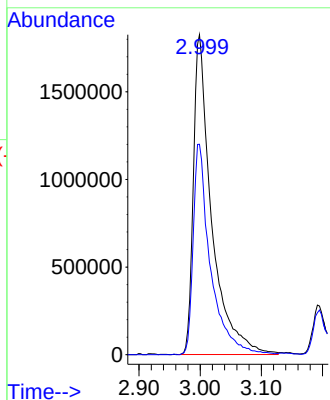
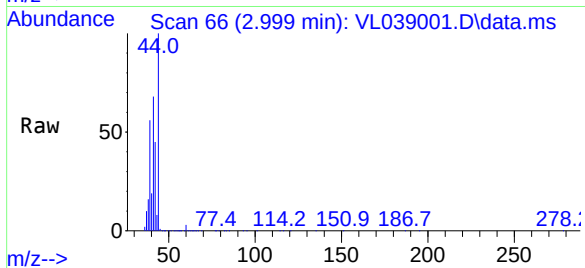
#9
Propene
Concen: 60.711 ppbv
RT: 2.999 min Scan# 60
Delta R.T. -0.013 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 3766110
Ion Ratio Lower Upper
41 100
42 63.2 58.3 87.5

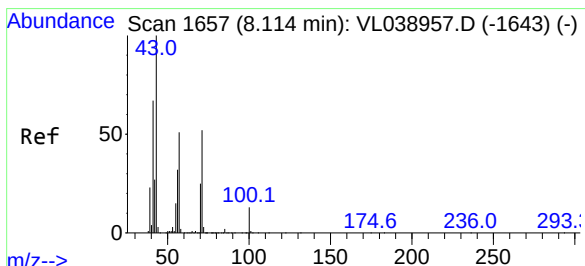
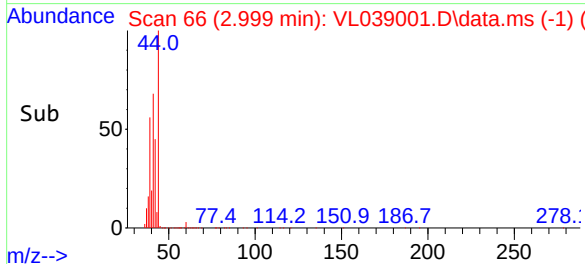
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



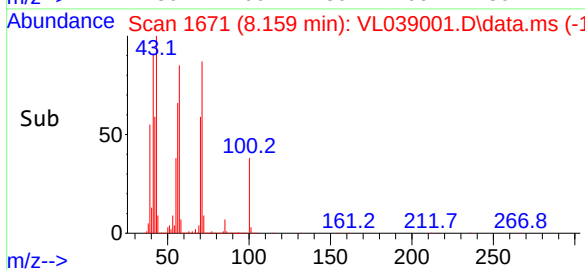
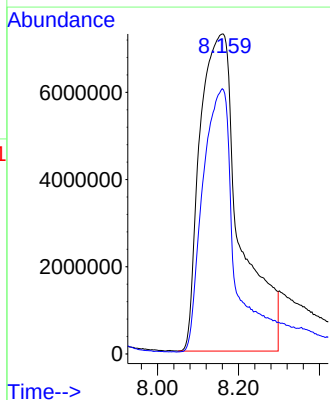
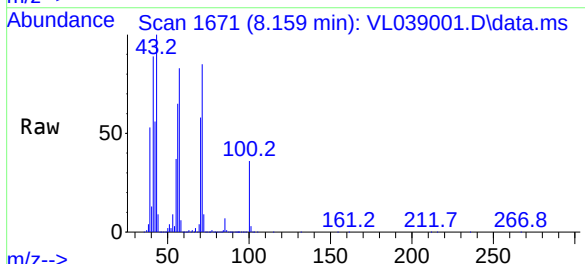
05/11/2022
Supervised By :Mahesh
Dadoda

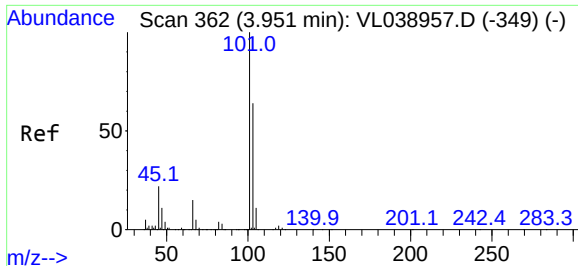
05/11/2022



#10
Heptane
Concen: 326.039 ppbv
RT: 8.159 min Scan# 1671
Delta R.T. 0.045 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

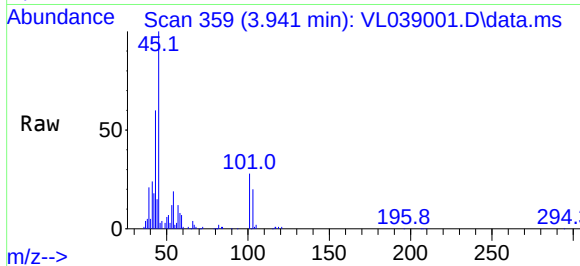
Tgt Ion: 43 Resp:49619812
Ion Ratio Lower Upper
43 100
57 74.7 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.199 ppbv
RT: 3.941 min Scan# 30578
Delta R.T. -0.010 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

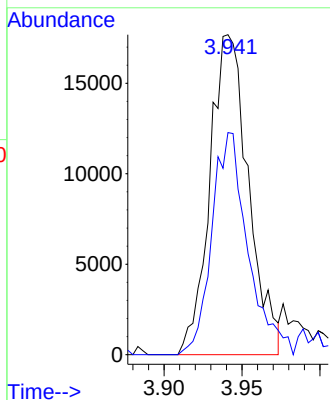
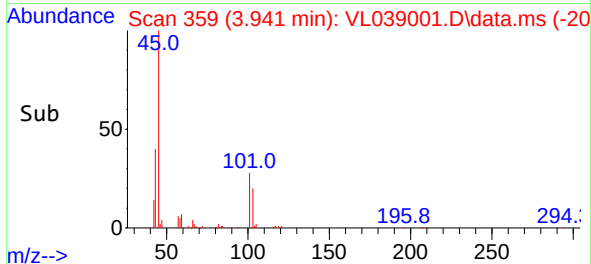
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:101 Resp: 30578
Ion Ratio Lower Upper
101 100
103 69.4 51.5 77.3

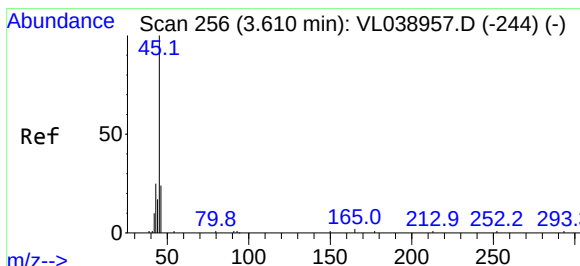
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

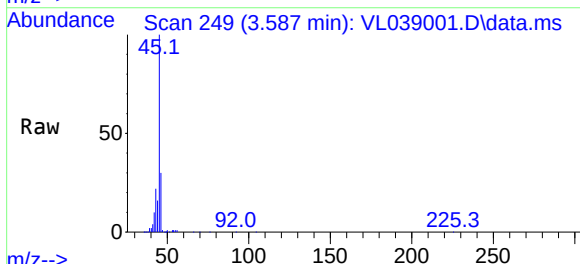


05/11/2022
Supervised By :Mahesh
Dadoda

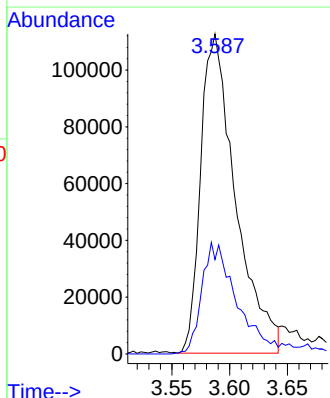
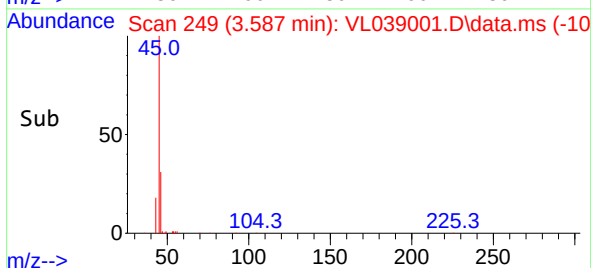
05/11/2022

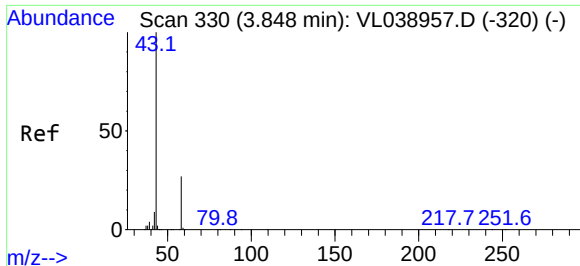


#13
Ethanol
Concen: 53.839 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.022 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



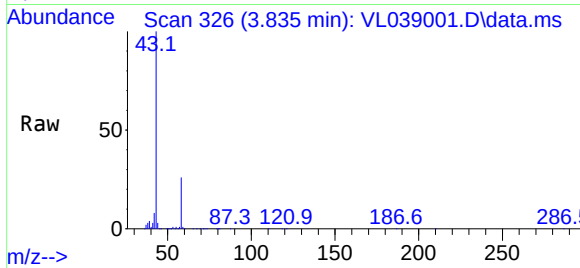
Tgt Ion: 45 Resp: 236356
Ion Ratio Lower Upper
45 100
46 37.8 18.0 72.2





#15
Acetone
Concen: 15.302 ppbv
RT: 3.835 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

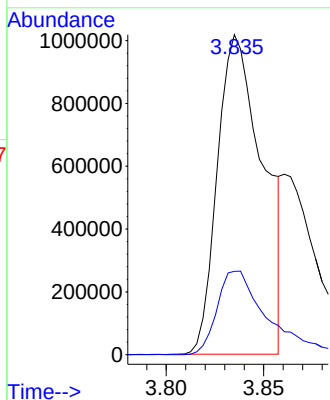
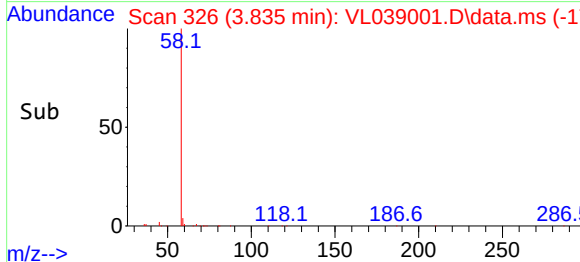
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 165241
Ion Ratio Lower Upper
43 100
58 31.4 21.3 31.9

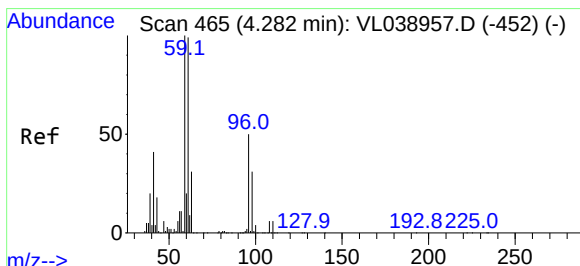
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



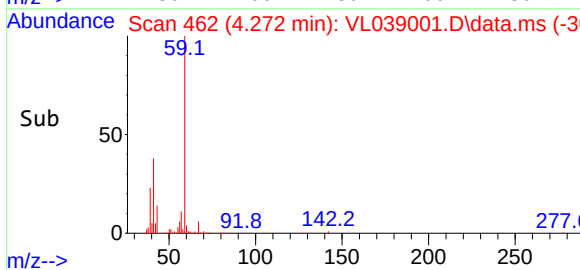
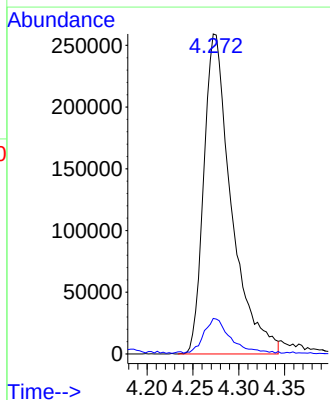
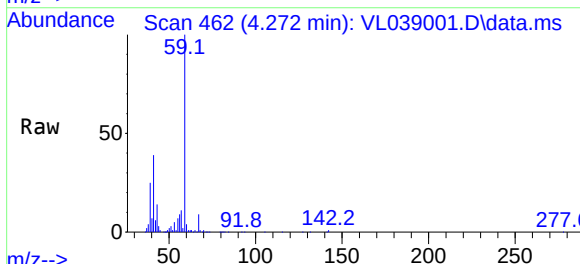
05/11/2022
Supervised By :Mahesh
Dadoda

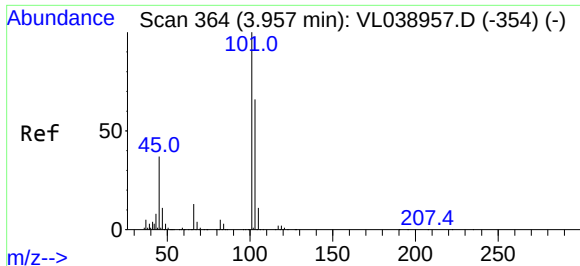
05/11/2022



#17
tert-Butyl alcohol
Concen: 6.541 ppbv
RT: 4.272 min Scan# 462
Delta R.T. -0.010 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion: 59 Resp: 542856
Ion Ratio Lower Upper
59 100
57 10.4 9.2 13.8





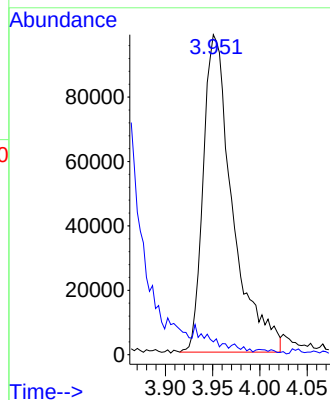
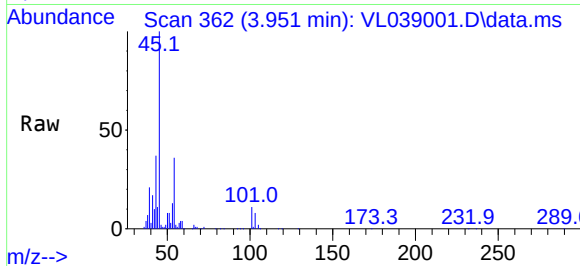
#19
Isopropyl Alcohol
Concen: 4.141 ppbv
RT: 3.951 min Scan# 301
Delta R.T. -0.006 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 21259
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

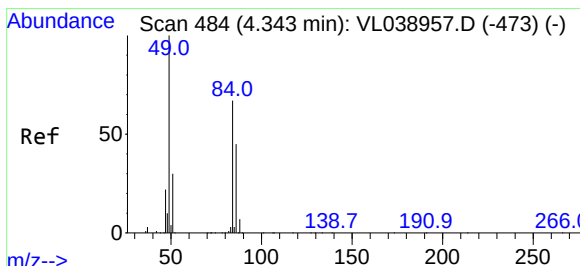
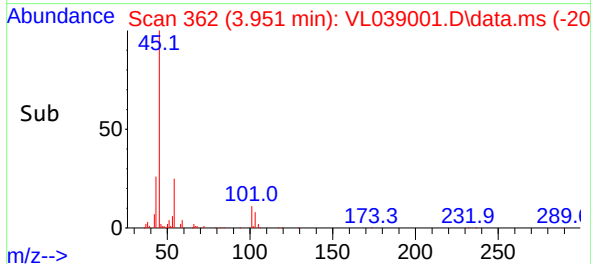
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



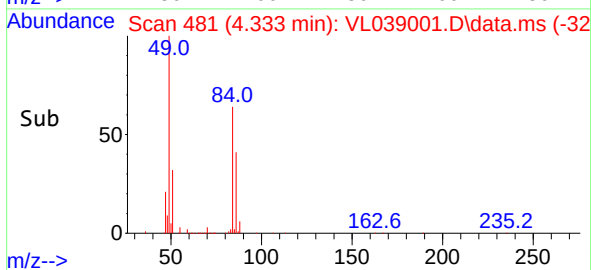
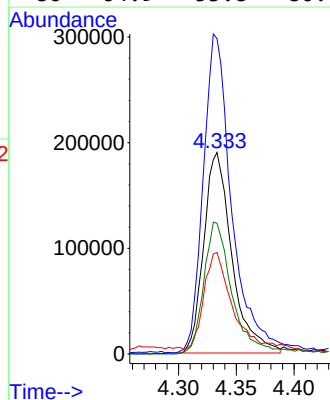
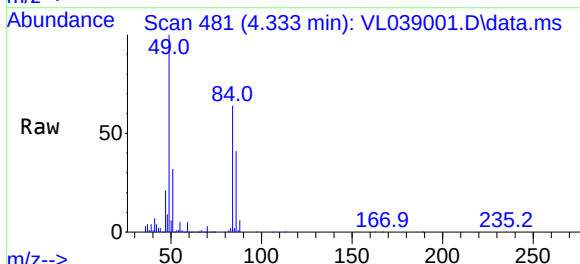
05/11/2022
Supervised By :Mahesh
Dadoda

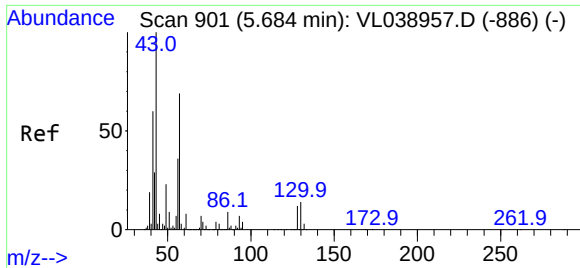
05/11/2022



#20
Methylene Chloride
Concen: 7.930 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.010 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

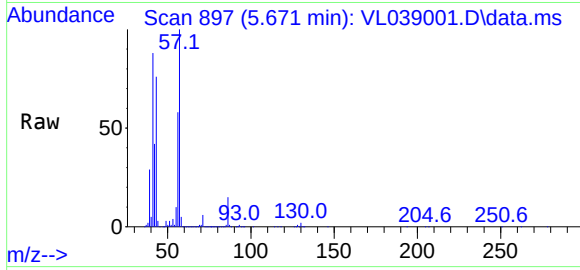
Tgt Ion: 84 Resp: 322728
Ion Ratio Lower Upper
84 100
49 156.0 119.9 179.9
51 47.4 35.7 53.5
86 64.9 53.8 80.6





#26
Hexane
Concen: 79.794 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

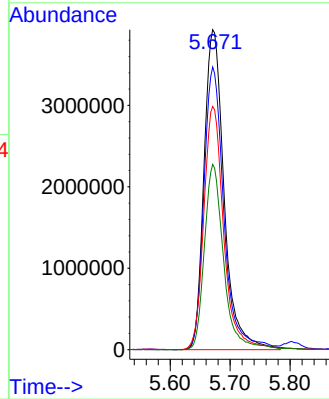
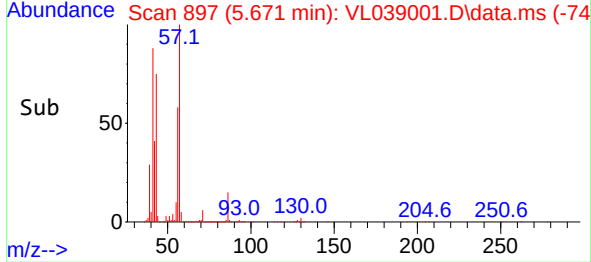
Instrument : MSVOA_L
Client SampleId : SV1



Tgt Ion: 57 Resp: 916342
Ion Ratio Lower Upper
57 100
41 88.1 75.2 112.8
43 75.8 190.8 286.2
56 55.8 43.0 64.6

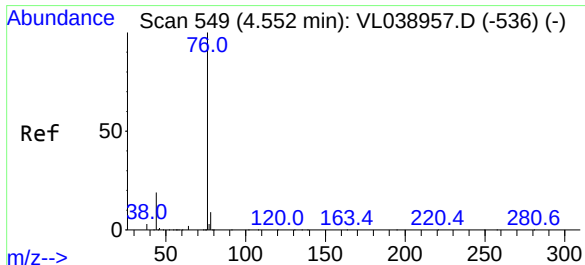
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

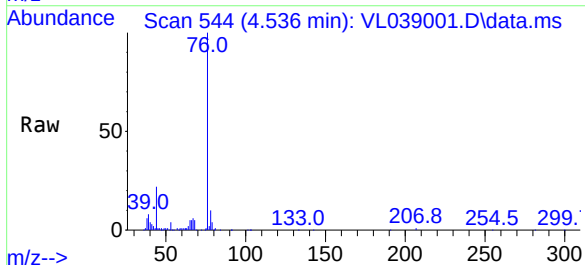


05/11/2022
Supervised By :Mahesh Dadoda

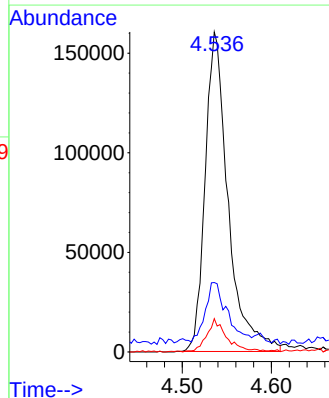
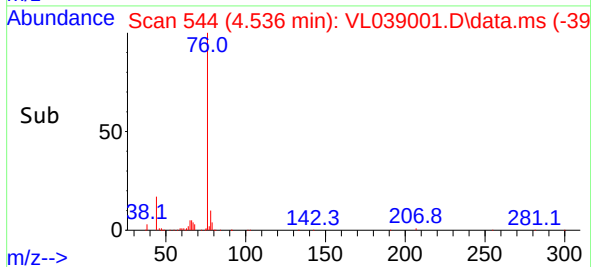
05/11/2022

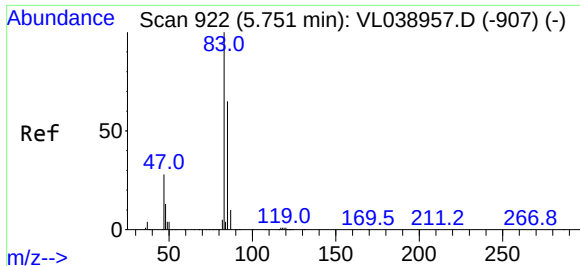


#27
Carbon Disulfide
Concen: 2.627 ppbv
RT: 4.536 min Scan# 544
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



Tgt Ion: 76 Resp: 286609
Ion Ratio Lower Upper
76 100
44 22.5 15.3 22.9
78 9.3 8.2 12.2





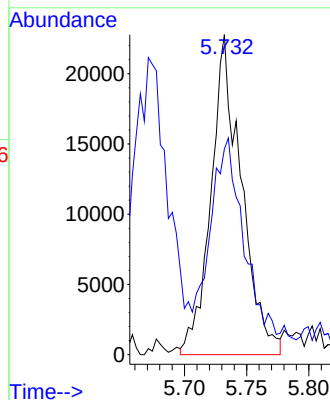
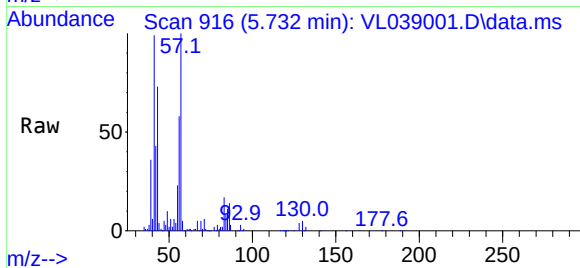
#29
Chloroform
Concen: 0.209 ppbv m
RT: 5.732 min Scan# 916
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 83 Resp: 38789
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.6

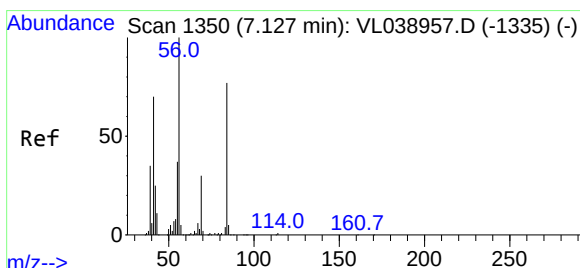
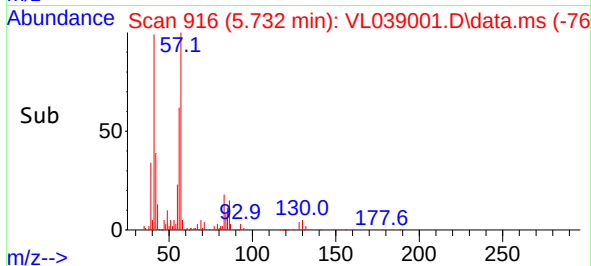
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



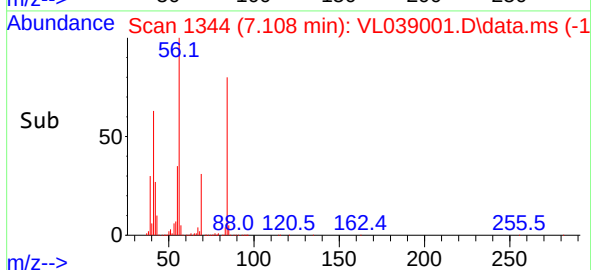
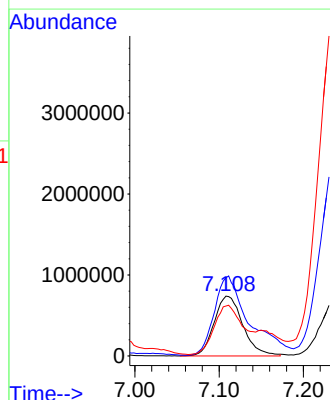
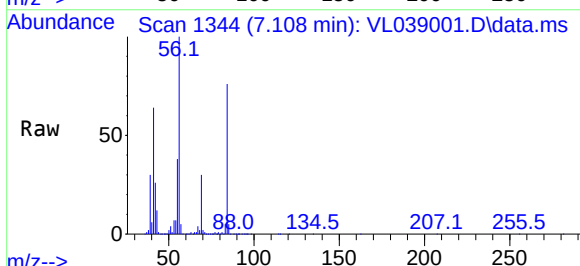
05/11/2022
Supervised By :Mahesh
Dadoda

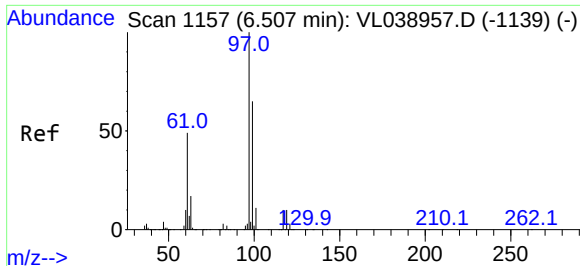
05/11/2022



#30
Cyclohexane
Concen: 18.139 ppbv
RT: 7.108 min Scan# 1344
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

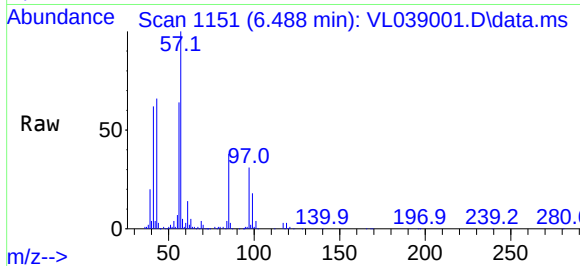
Tgt Ion: 84 Resp: 1744048
Ion Ratio Lower Upper
84 100
56 161.7 115.3 172.9
41 115.2 72.0 108.0#





#32
1,1,1-Trichloroethane
Concen: 1.661 ppbv
RT: 6.488 min Scan# 1157
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

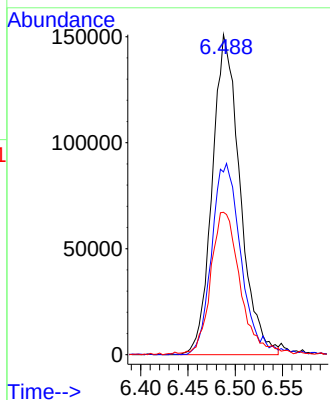
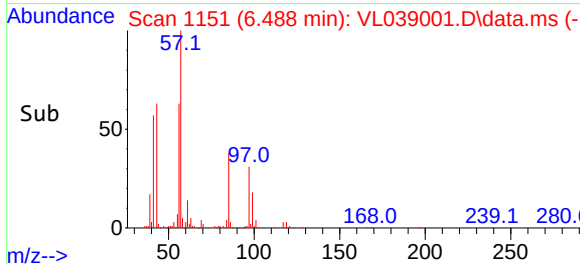
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 97 Resp: 30860
Ion Ratio Lower Upper
97 100
99 64.1 51.9 77.9
61 48.1 40.9 61.3

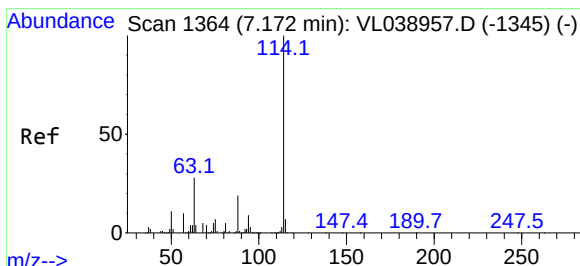
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

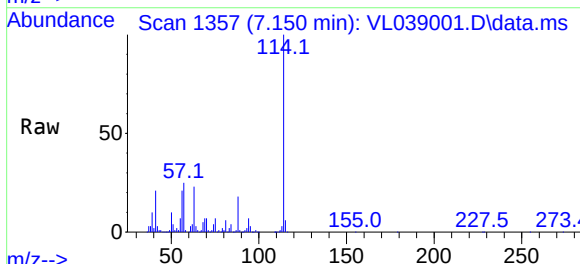


05/11/2022
Supervised By :Mahesh
Dadoda

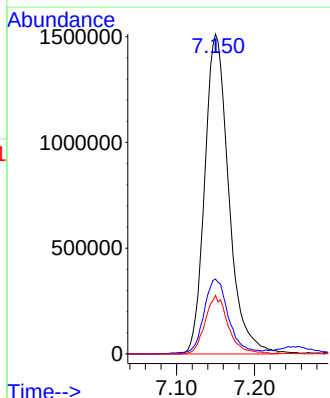
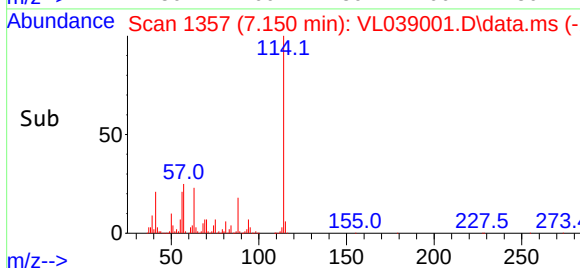
05/11/2022

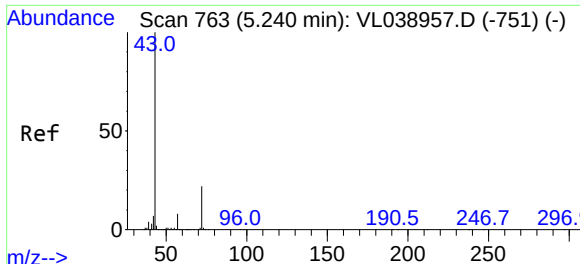


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.150 min Scan# 1357
Delta R.T. -0.022 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



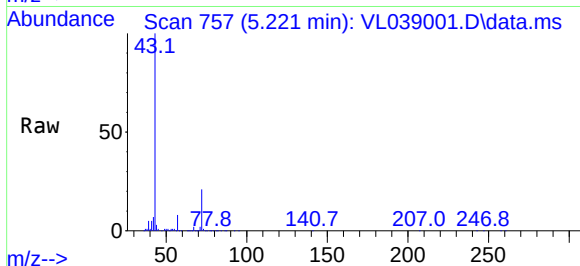
Tgt Ion:114 Resp: 3242273
Ion Ratio Lower Upper
114 100
63 24.7 22.6 33.8
88 17.7 15.4 23.0





#34
2-Butanone
Concen: 5.284 ppbv
RT: 5.221 min Scan# 71
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

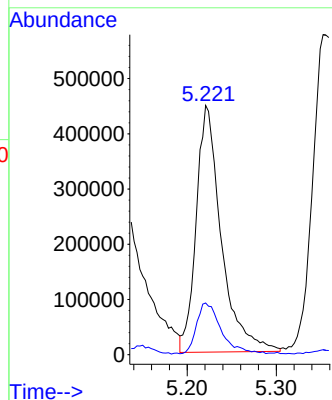
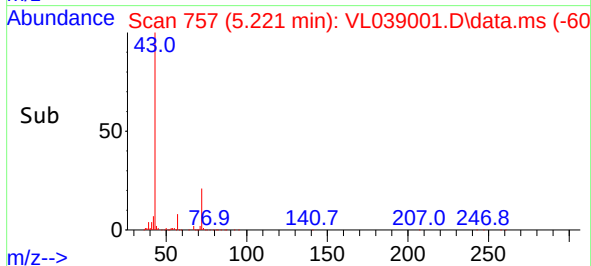
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 43 Resp: 87410
Ion Ratio Lower Upper
43 100
72 21.6 17.8 26.6

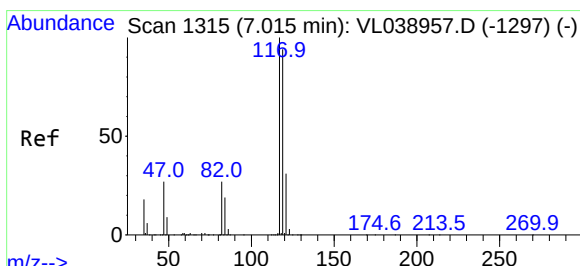
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



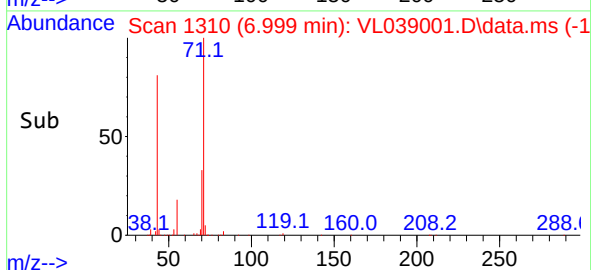
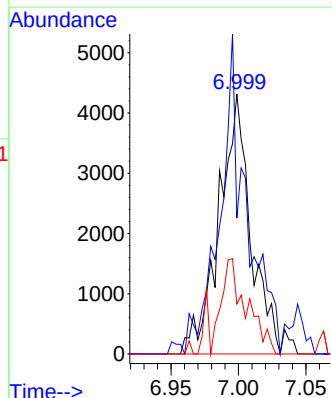
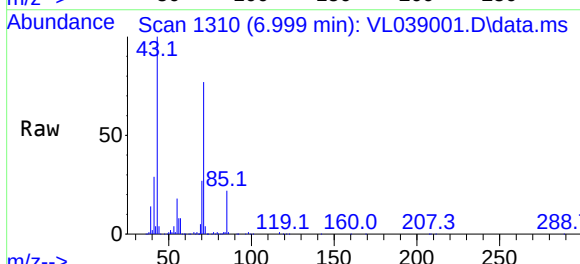
05/11/2022
Supervised By :Mahesh
Dadoda

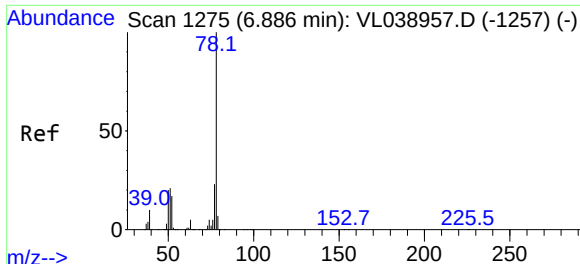
05/11/2022



#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 6.999 min Scan# 1310
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

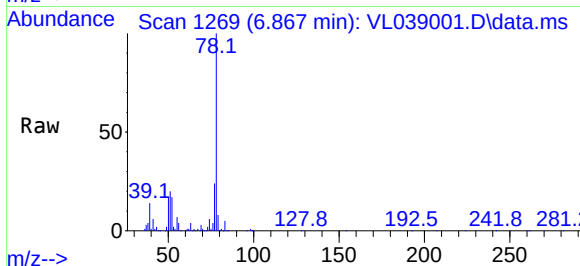
Tgt Ion:117 Resp: 7028
Ion Ratio Lower Upper
117 100
119 52.3 75.2 112.8#
121 19.3 24.6 37.0#





#36
Benzene
Concen: 2.805 ppbv
RT: 6.867 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

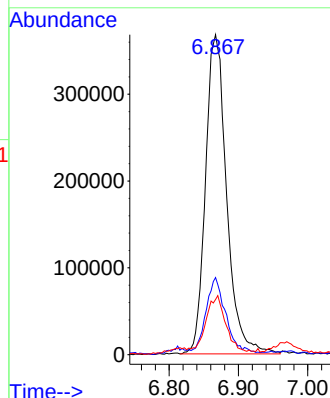
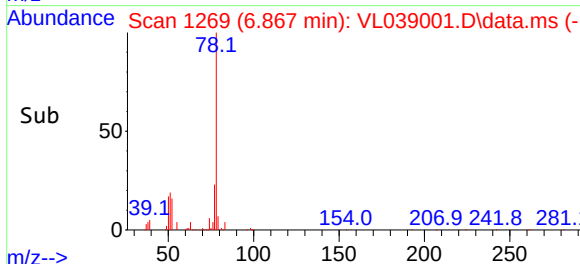
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 78 Resp: 77823
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0
50 15.1 15.6 23.4

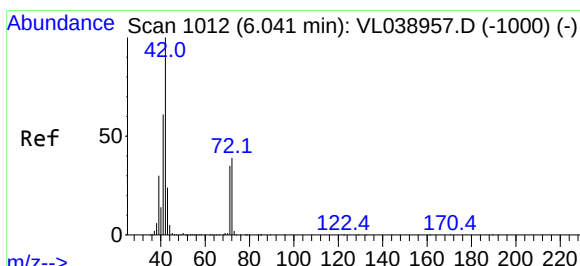
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



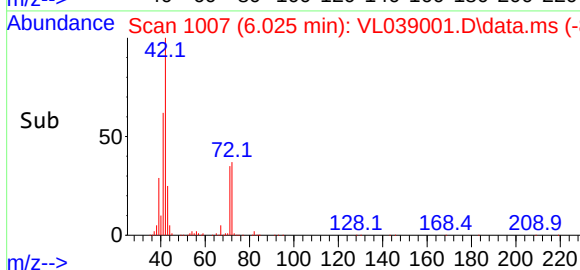
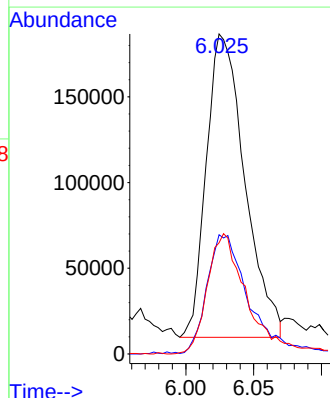
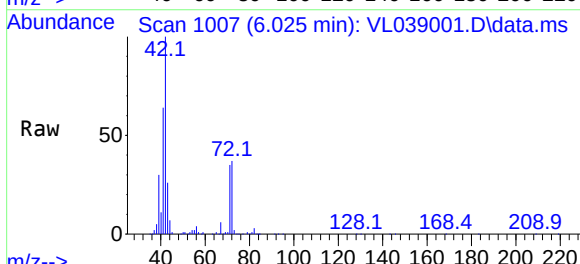
05/11/2022
Supervised By :Mahesh
Dadoda

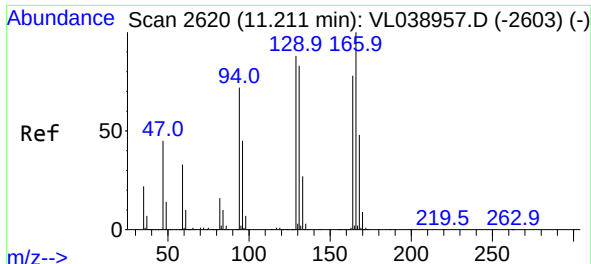
05/11/2022



#41
Tetrahydrofuran
Concen: 3.135 ppbv
RT: 6.025 min Scan# 1007
Delta R.T. -0.016 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion: 42 Resp: 348503
Ion Ratio Lower Upper
42 100
72 44.2 31.8 47.6
71 42.5 30.6 45.8





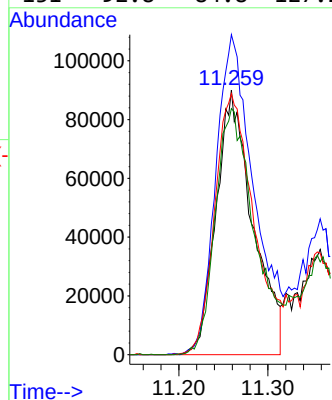
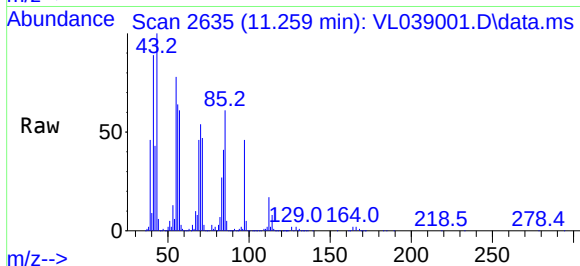
#52
Tetrachloroethene
Concen: 2.591 ppbv
RT: 11.259 min Scan# 2129
Delta R.T. 0.048 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:164 Resp: 256899
Ion Ratio Lower Upper
164 100
166 120.9 102.5 153.7
129 98.2 90.1 135.1
131 92.8 84.8 127.2

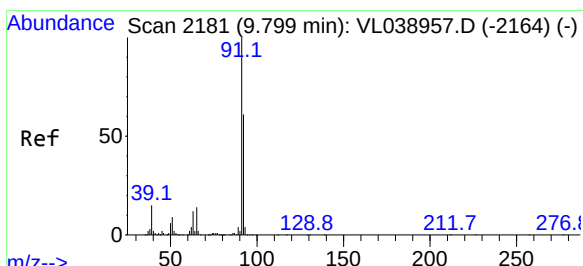
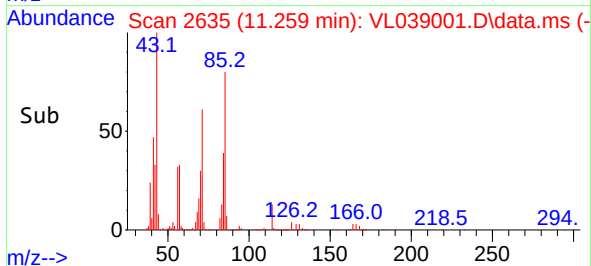
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



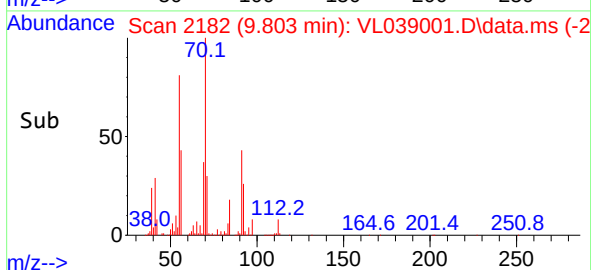
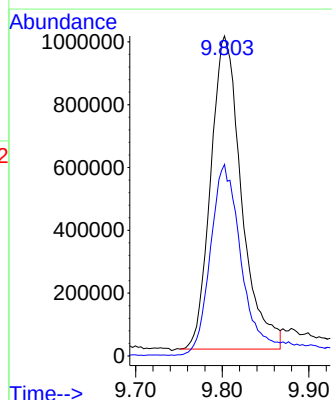
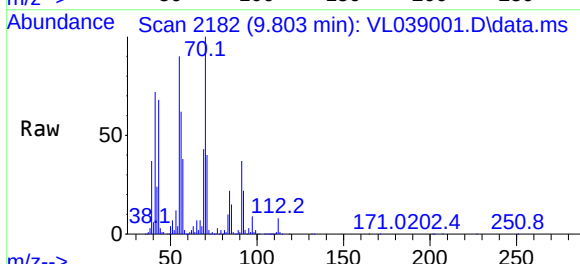
05/11/2022
Supervised By :Mahesh
Dadoda

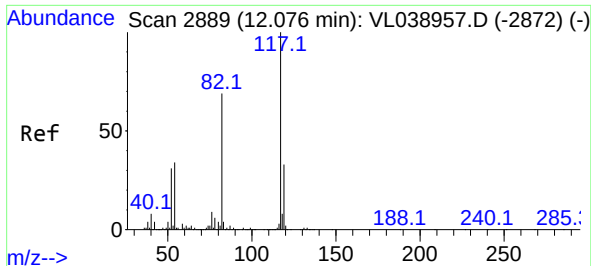
05/11/2022



#53
Toluene
Concen: 7.908 ppbv
RT: 9.803 min Scan# 2182
Delta R.T. 0.003 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

Tgt Ion: 91 Resp: 2459368
Ion Ratio Lower Upper
91 100
92 71.1 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.101 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

Instrument :

MSVOA_L

ClientSampleId :

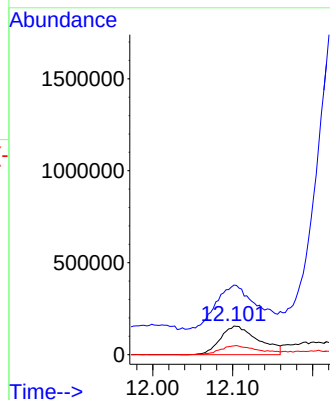
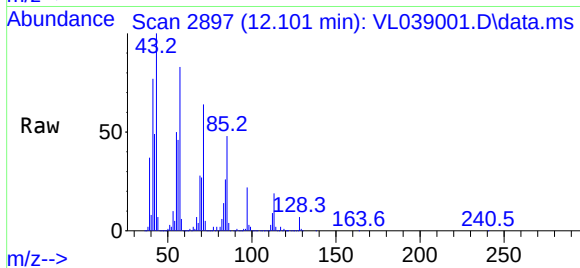
SV1

Tgt Ion:	117	Resp:	51403
Ion	Ratio	Lower	Upper
117	100		
82	171.4	57.0	85.6
119	35.0	27.2	40.8

Manual Integrations

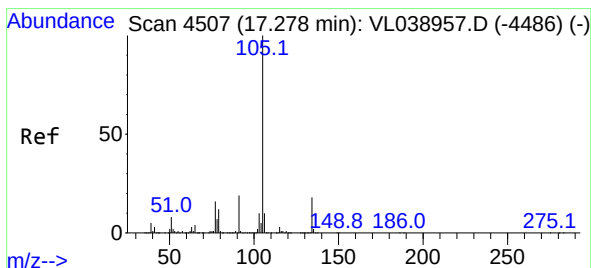
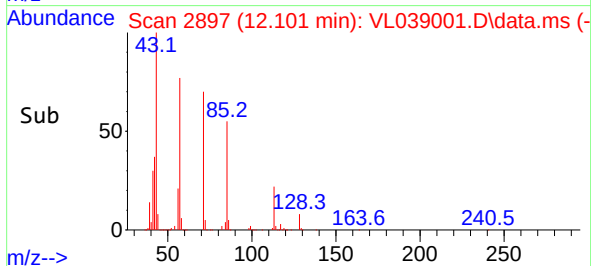
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



05/11/2022
Supervised By :Mahesh
Dadoda

05/11/2022



#67

sec-Butylbenzene

Concen: 2.346 ppbv

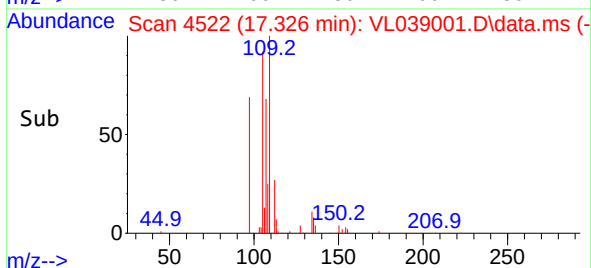
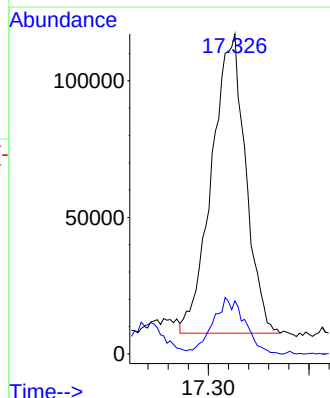
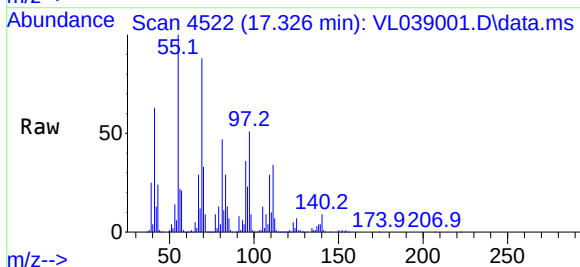
RT: 17.326 min Scan# 4522

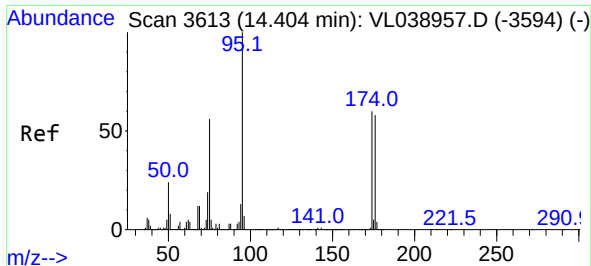
Delta R.T. 0.048 min

Lab File: VL039001.D

Acq: 10 May 2022 00:22

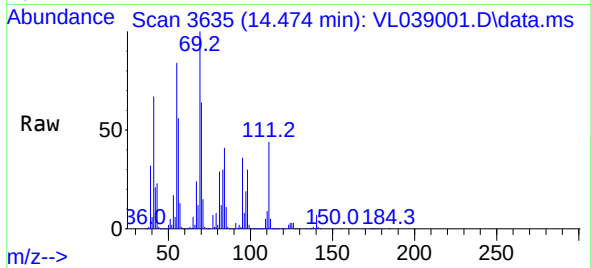
Tgt Ion:	105	Resp:	255264
Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.2	21.4





#68
1-Bromo-4-Fluorobenzene
Concen: 177.494 ppbv
RT: 14.474 min Scan# 3613
Delta R.T. 0.071 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

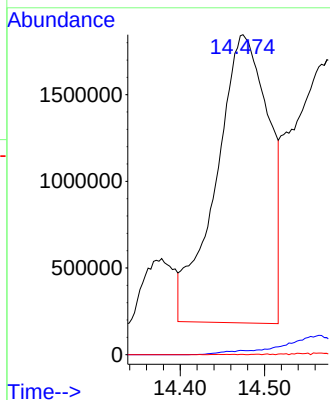
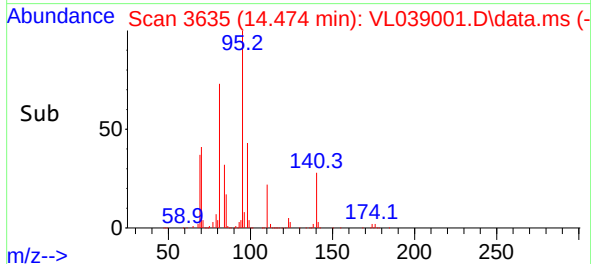
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 722558
Ion Ratio Lower Upper
95 100
174 0.0 50.8 76.2
175 0.1 3.8 5.6

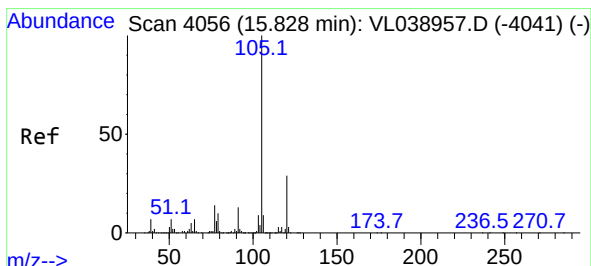
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

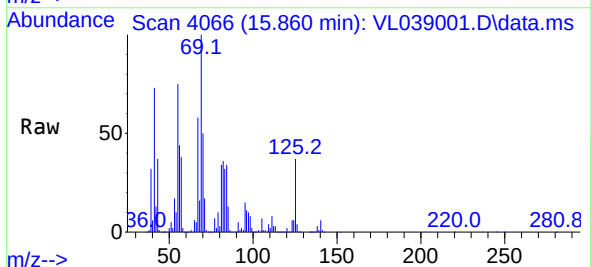


05/11/2022
Supervised By :Mahesh
Dadoda

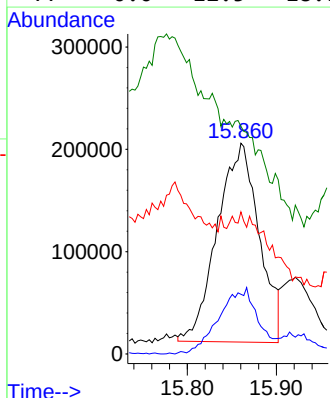
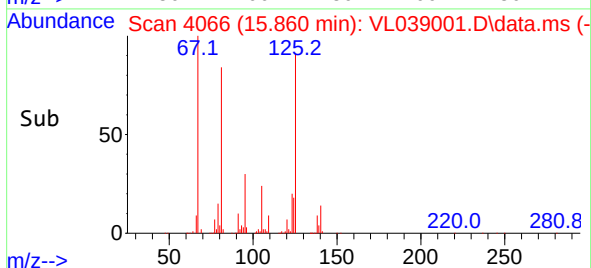
05/11/2022

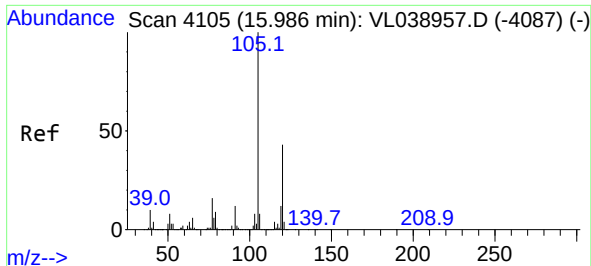


#72
4-Ethyltoluene
Concen: 9.357 ppbv
RT: 15.860 min Scan# 4066
Delta R.T. 0.032 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



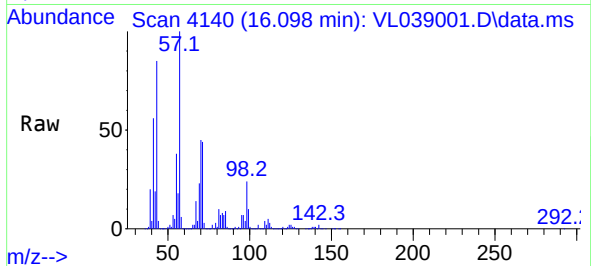
Tgt Ion:105 Resp: 633772
Ion Ratio Lower Upper
105 100
120 31.5 23.4 35.0
91 39.5 10.6 16.0#
77 0.0 12.5 18.7#





#73
1,3,5-Trimethylbenzene
Concen: 3.493 ppbv
RT: 16.098 min Scan# 4105
Delta R.T. 0.113 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22

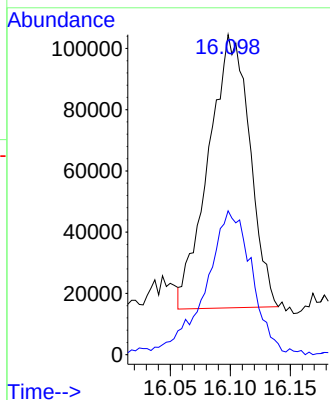
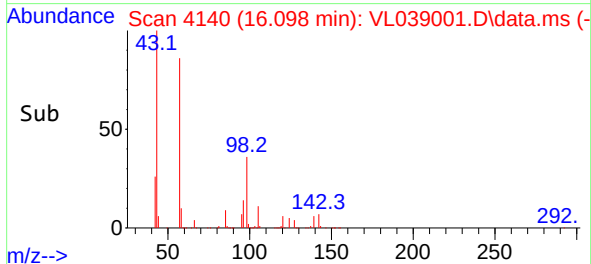
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:105 Resp: 212998
Ion Ratio Lower Upper
105 100
120 48.9 34.4 51.6

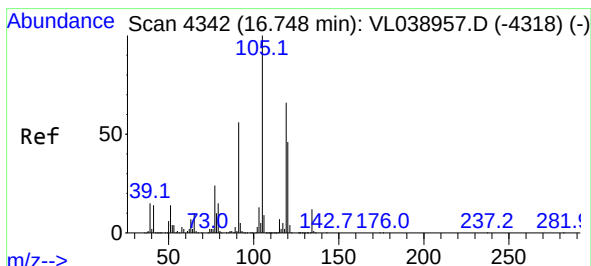
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022

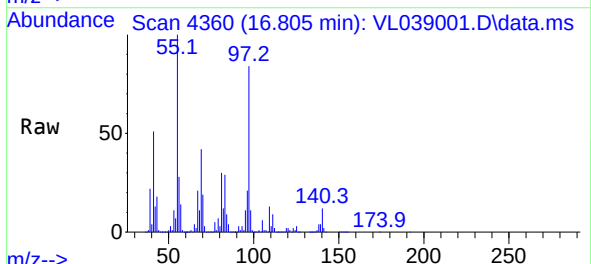


05/11/2022
Supervised By :Mahesh
Dadoda

05/11/2022



#74
1,2,4-Trimethylbenzene
Concen: 4.978 ppbv
RT: 16.805 min Scan# 4360
Delta R.T. 0.058 min
Lab File: VL039001.D
Acq: 10 May 2022 00:22



Tgt Ion:105 Resp: 332366
Ion Ratio Lower Upper
105 100
120 43.9 36.9 55.3
91 26.7 45.0 67.4#
77 13.2 19.2 28.8#

