

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038390.D
 Acq On : 22 Feb 2022 15:41
 Operator : SY/AP
 Sample : N1606-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TE

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 23 07:05:05 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Feb 23 07:05:05 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	841847	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.166	114	2025769	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.076	117	1730255	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1374048	9.598	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	27676m	0.208	ppbv	
3) Chlorodifluoromethane	2.989	51	25756m	0.173	ppbv	
4) Chloromethane	3.144	50	26529m	0.514	ppbv	
9) Propene	3.022	41	39280m	0.800	ppbv	
10) Heptane	8.115	43	21320	0.178	ppbv	94
11) Trichlorofluoromethane	3.951	101	47576m	0.373	ppbv	
13) Ethanol	3.607	45	345316	70.497	ppbv	88
15) Acetone	3.848	43	364523	5.092	ppbv #	72
20) Methylene Chloride	4.340	84	82603	2.329	ppbv	90
26) Hexane	5.681	57	208173	2.390	ppbv #	44
34) 2-Butanone	5.247	43	95580	1.500	ppbv #	87
35) Carbon Tetrachloride	7.008	117	7997m	0.056	ppbv	
36) Benzene	6.886	78	52880	0.297	ppbv #	88
44) 2,2,4-Trimethylpentane	7.857	57	68653	0.224	ppbv #	85
53) Toluene	9.796	91	224920	1.162	ppbv	100
59) m/p-Xylene	12.950	91	51184m	0.252	ppbv	

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

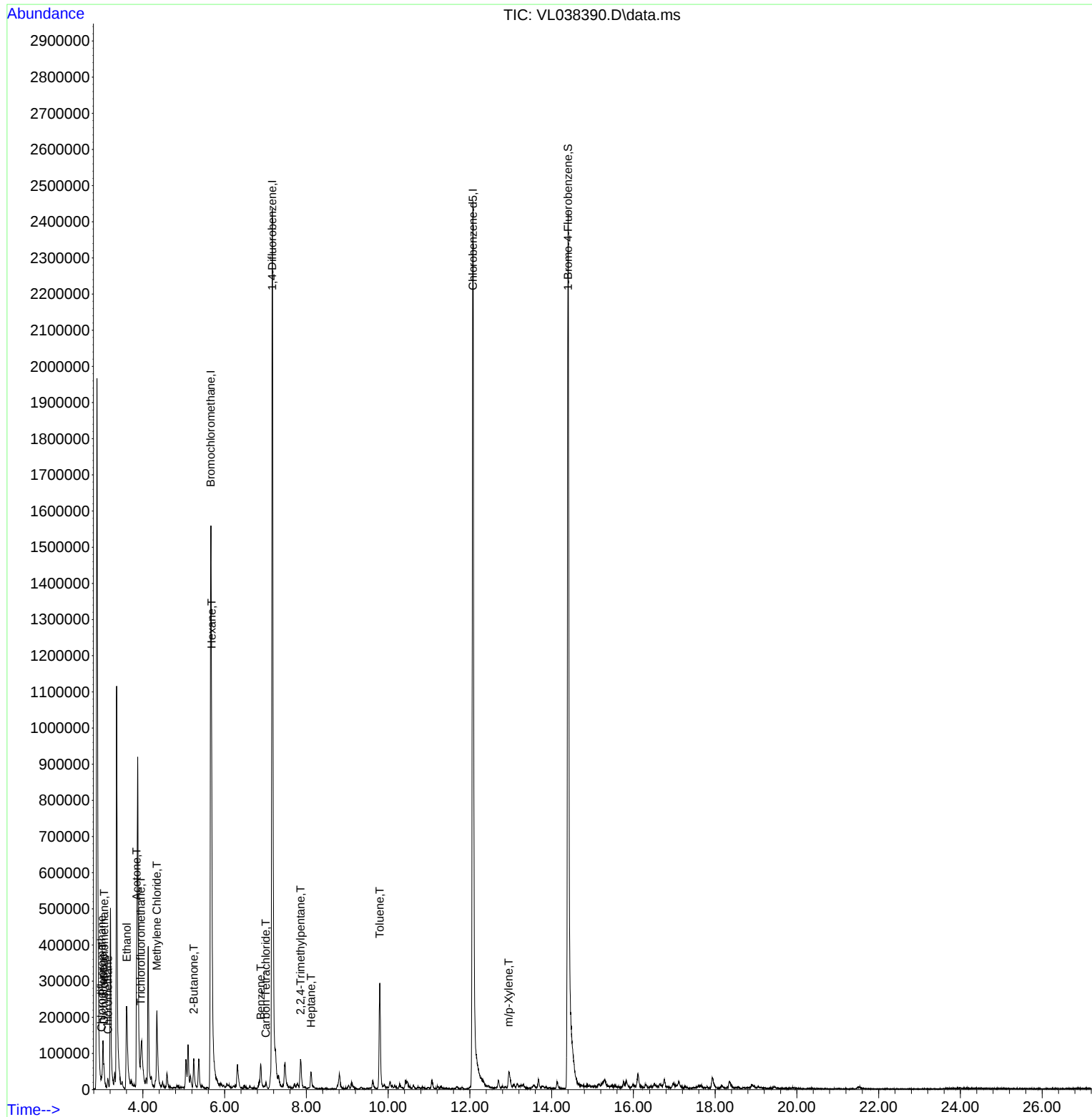
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
Data File : VL038390.D
Acq On : 22 Feb 2022 15:41
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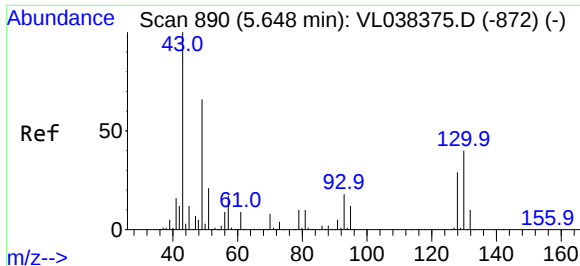
Instrument :
MSVOA_L
ClientSampleId :
BG-TE

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Supervised By :Mahesh Dadoda 02/25/2022

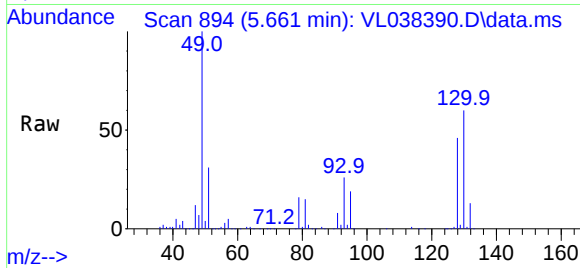
Quant Time: Feb 23 07:05:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

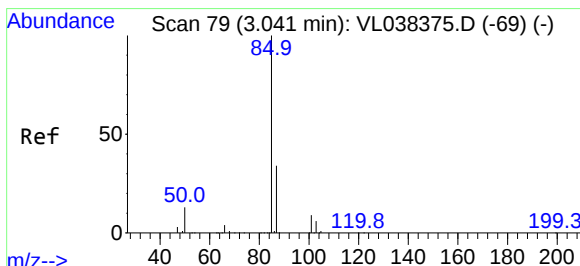
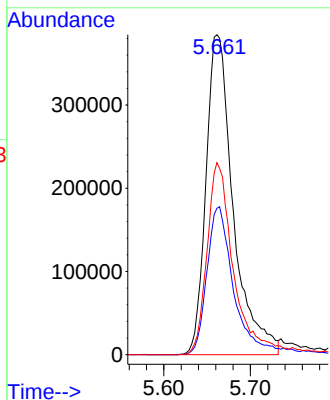
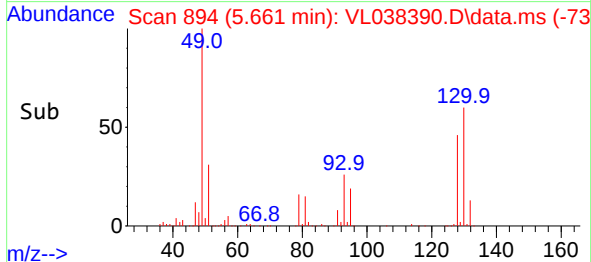
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



Tgt Ion: 49 Resp: 84184
Ion Ratio Lower Upper
49 100
128 47.5 24.3 72.9
130 60.8 30.1 90.5

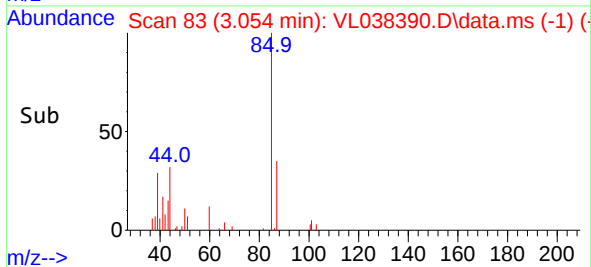
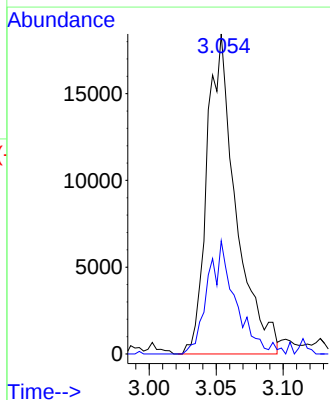
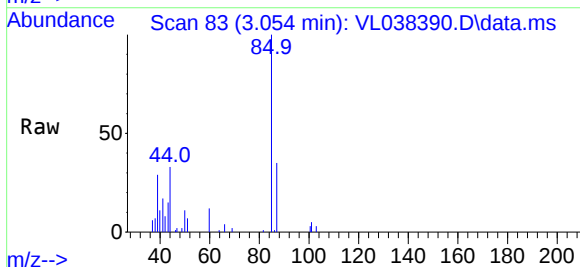
Manual Integrations
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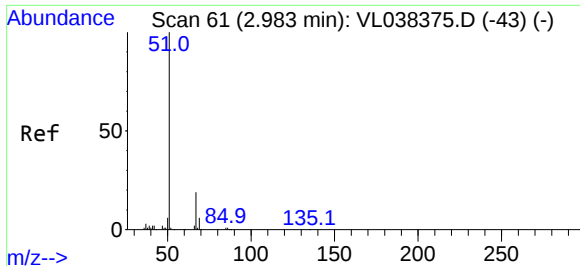
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#2
Dichlorodifluoromethane
Concen: 0.208 ppbv m
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

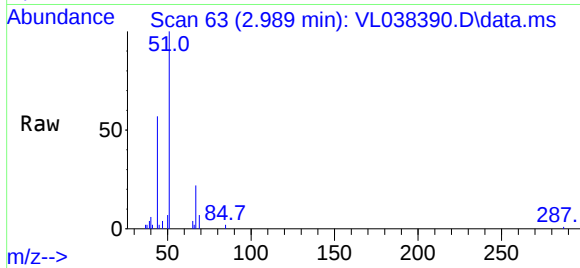
Tgt Ion: 85 Resp: 27676
Ion Ratio Lower Upper
85 100
87 35.3 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.173 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

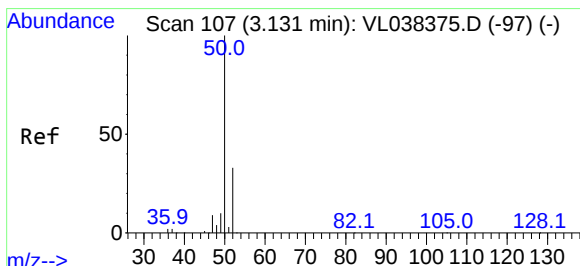
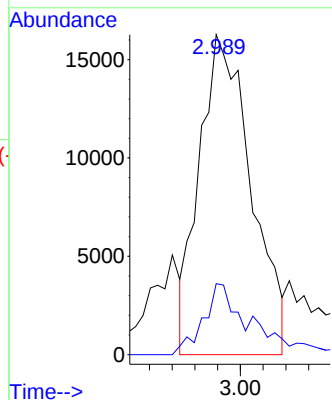
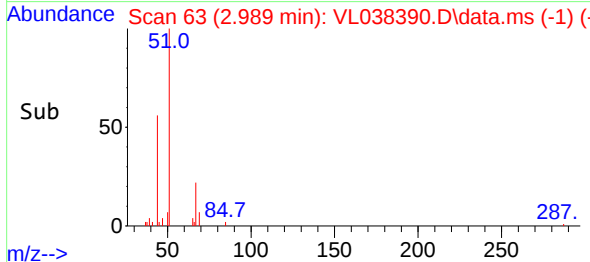
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



Tgt Ion: 51 Resp: 25750
Ion Ratio Lower Upper
51 100
67 21.5 14.7 22.1

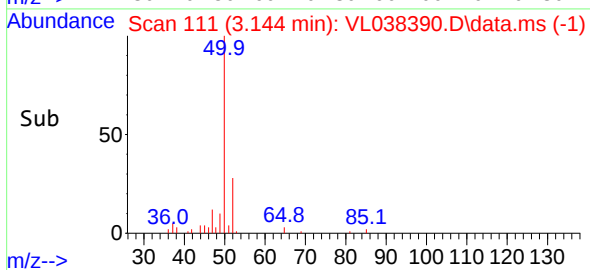
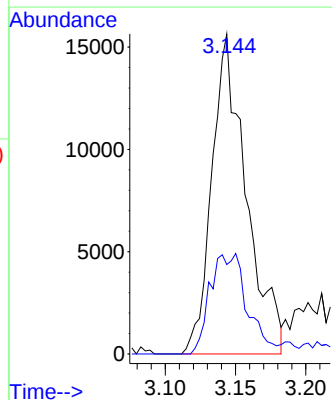
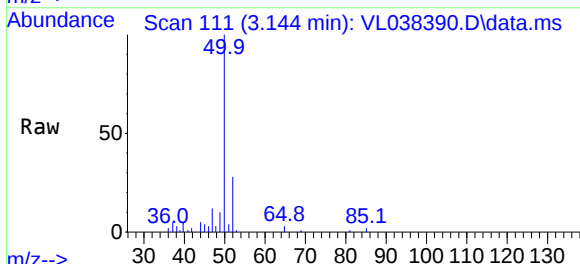
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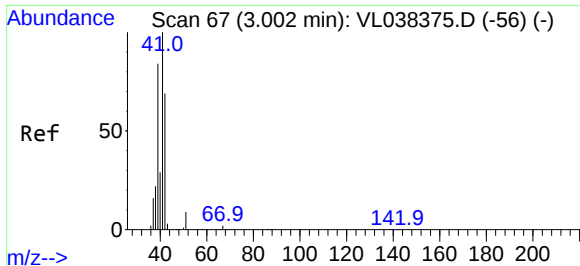
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#4
Chloromethane
Concen: 0.514 ppbv m
RT: 3.144 min Scan# 111
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

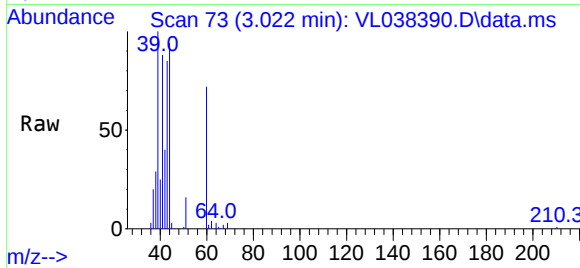
Tgt Ion: 50 Resp: 26529
Ion Ratio Lower Upper
50 100
52 27.9 26.5 39.7





#9
Propene
Concen: 0.800 ppbv m
RT: 3.022 min Scan# 71
Delta R.T. 0.019 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

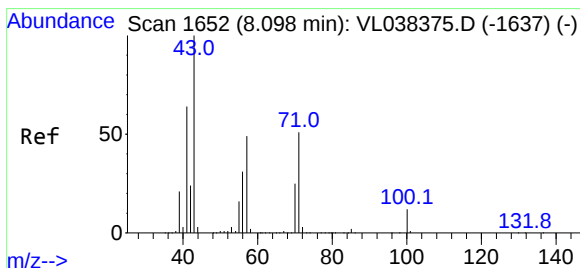
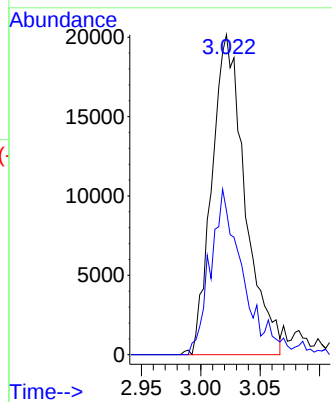
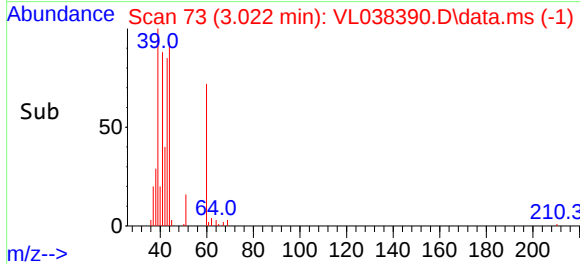
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



Tgt Ion: 41 Resp: 39280
Ion Ratio Lower Upper
41 100
42 289.0 54.6 82.0

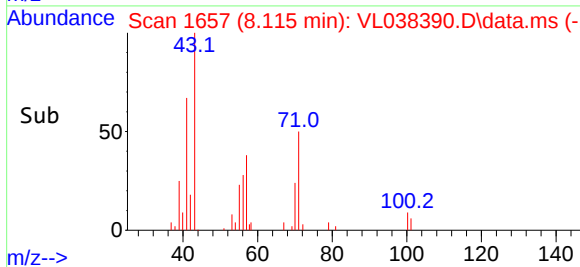
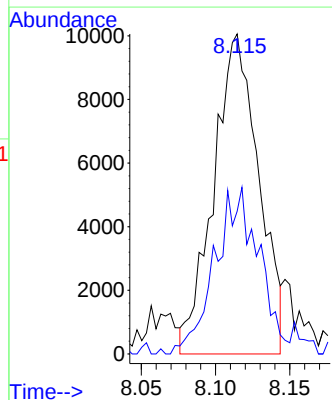
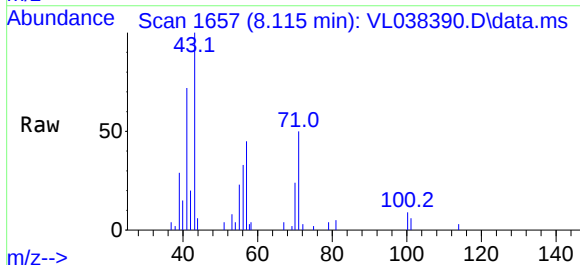
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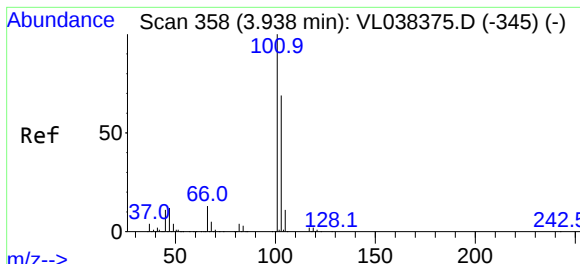
Reviewed By :Semsettin Yesilyurt 02/23/2022
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#10
Heptane
Concen: 0.178 ppbv
RT: 8.115 min Scan# 1657
Delta R.T. 0.016 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

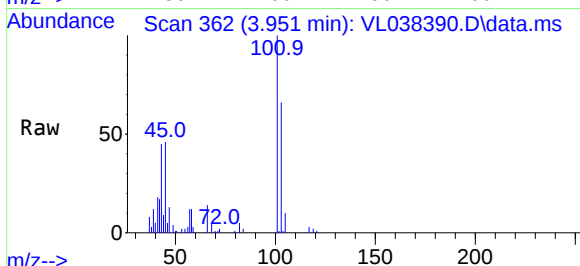
Tgt Ion: 43 Resp: 21320
Ion Ratio Lower Upper
43 100
57 54.2 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 0.373 ppbv m
 RT: 3.951 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL038390.D
 Acq: 22 Feb 2022 15:41

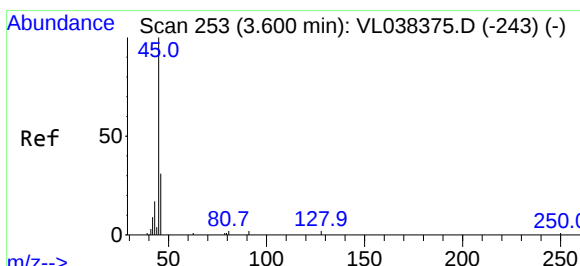
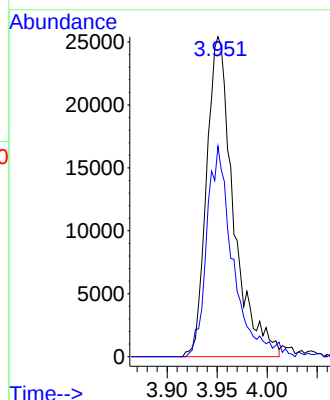
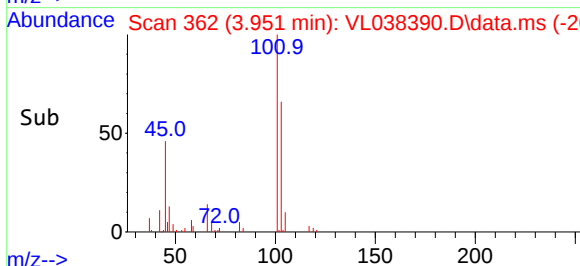
Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TE



Tgt Ion:101 Resp: 47570
 Ion Ratio Lower Upper
 101 100
 103 65.7 55.0 82.4

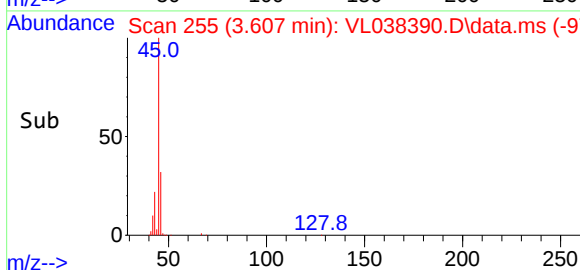
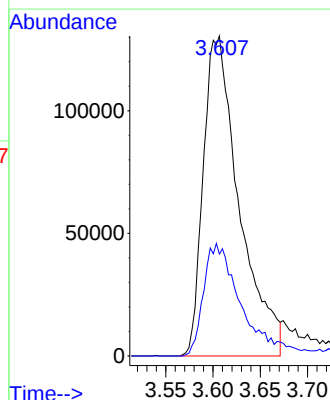
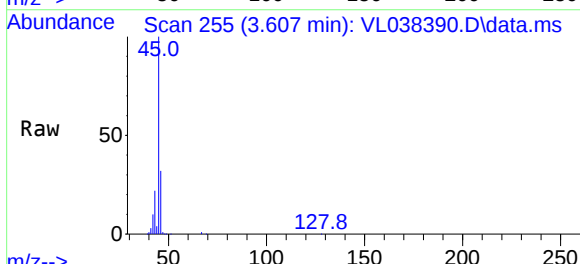
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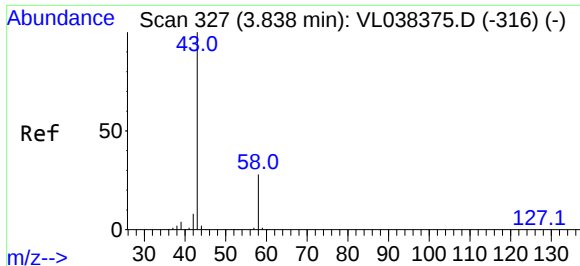
Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#13
 Ethanol
 Concen: 70.497 ppbv
 RT: 3.607 min Scan# 255
 Delta R.T. 0.007 min
 Lab File: VL038390.D
 Acq: 22 Feb 2022 15:41

Tgt Ion: 45 Resp: 345316
 Ion Ratio Lower Upper
 45 100
 46 37.6 18.2 72.8





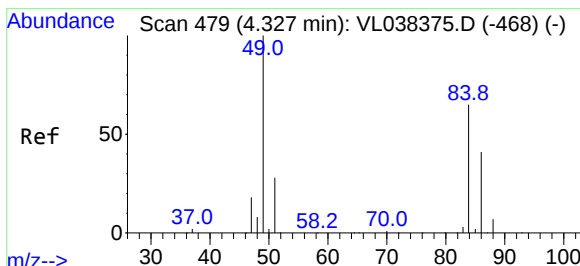
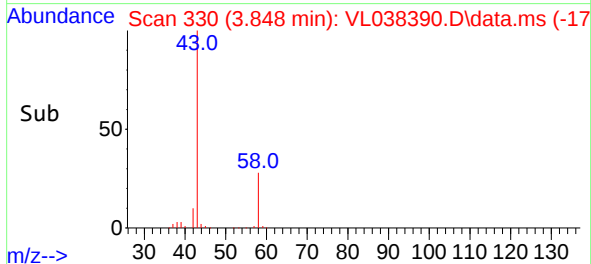
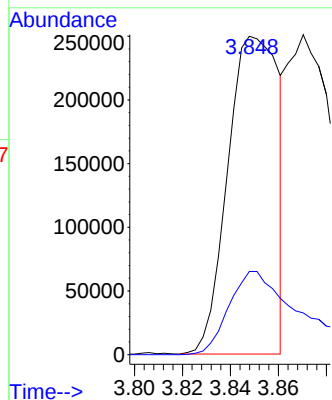
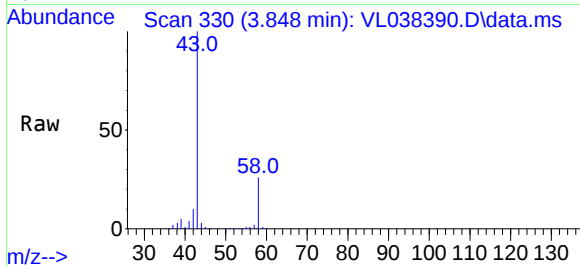
#15
Acetone
Concen: 5.092 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

Instrument :
MSVOA_L
ClientSampleId :
BG-TE

Tgt Ion: 43 Resp: 36452
Ion Ratio Lower Upper
43 100
58 41.4 21.7 32.5

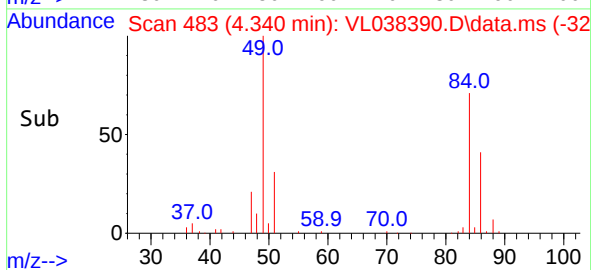
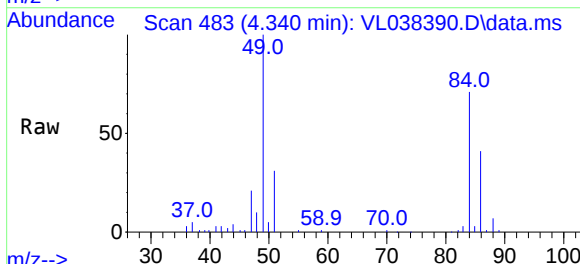
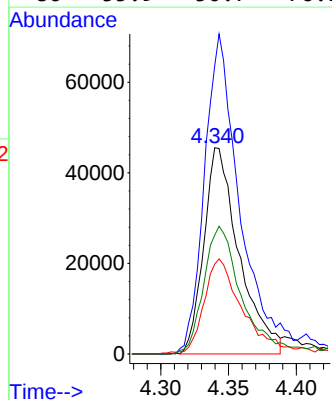
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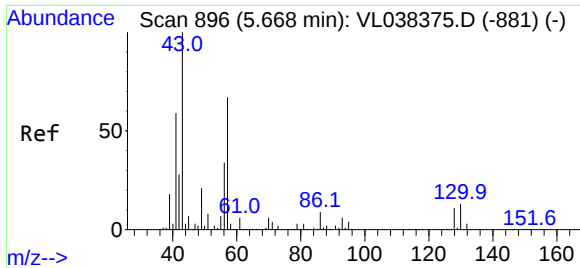
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#20
Methylene Chloride
Concen: 2.329 ppbv
RT: 4.340 min Scan# 483
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

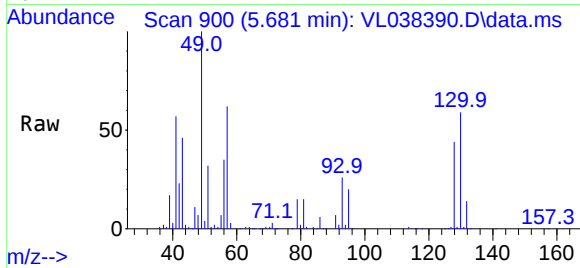
Tgt Ion: 84 Resp: 82603
Ion Ratio Lower Upper
84 100
49 137.3 122.4 183.6
51 42.5 33.3 49.9
86 55.9 50.7 76.1





#26
Hexane
Concen: 2.390 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

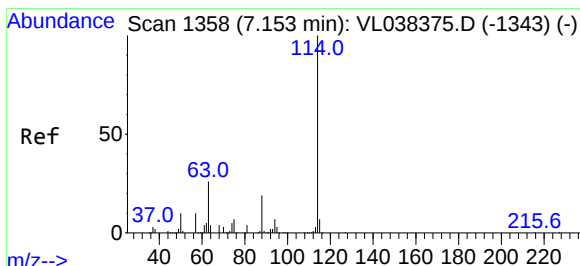
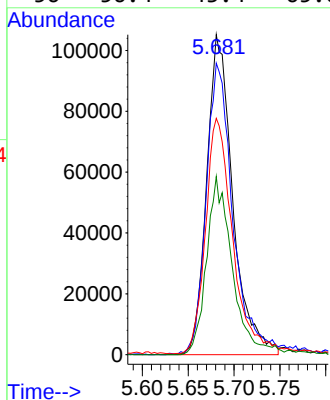
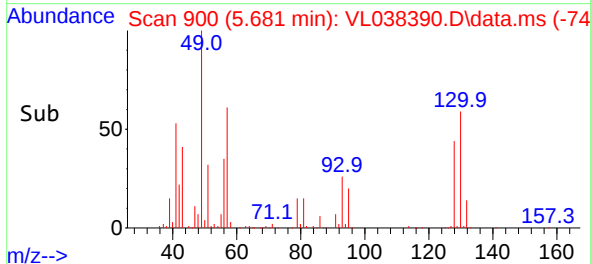
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



Tgt Ion: 57 Resp: 20817
Ion Ratio Lower Upper
57 100
41 96.4 73.1 109.7
43 79.0 181.0 271.4
56 56.4 43.4 65.0

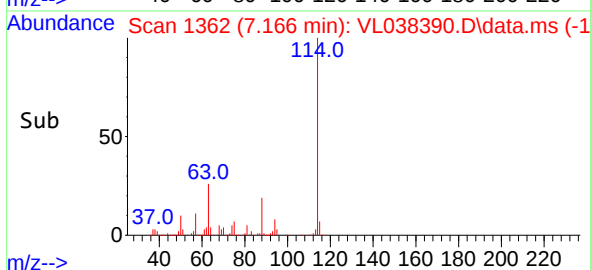
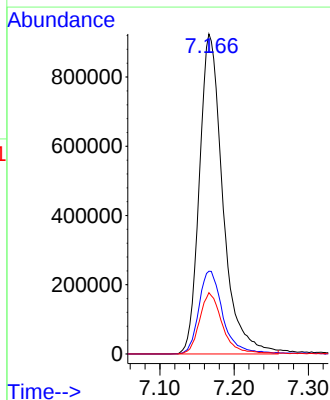
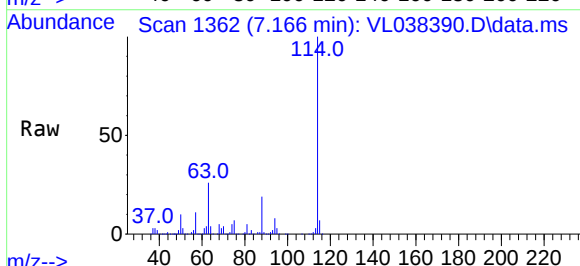
Manual Integrations
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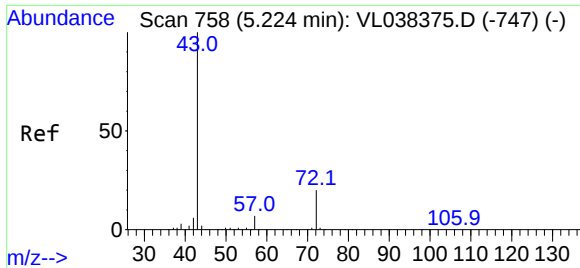
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

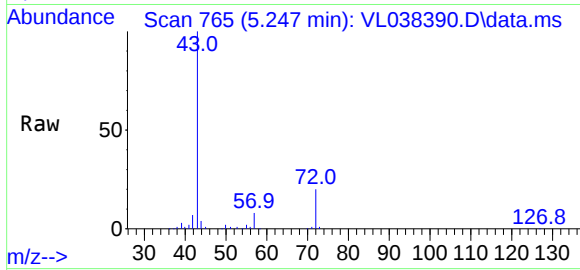
Tgt Ion:114 Resp: 2025769
Ion Ratio Lower Upper
114 100
63 27.0 22.2 33.2
88 18.8 15.2 22.8





#34
2-Butanone
Concen: 1.500 ppbv
RT: 5.247 min Scan# 70
Delta R.T. 0.023 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

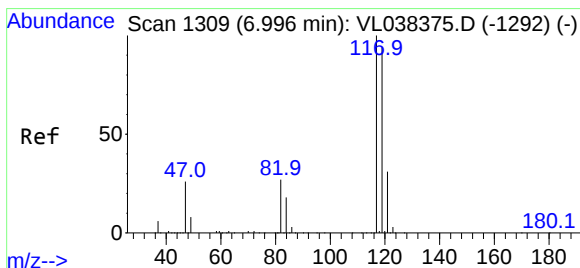
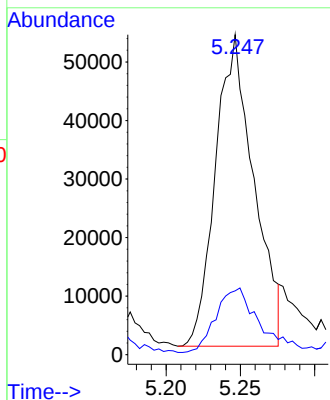
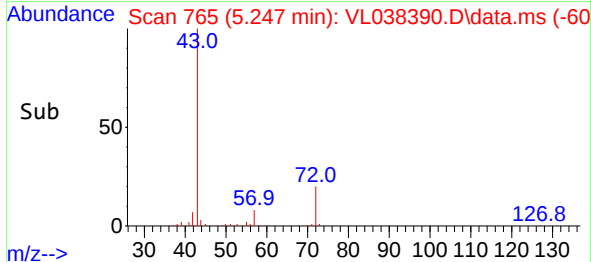
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



Tgt Ion: 43 Resp: 95580
Ion Ratio Lower Upper
43 100
72 27.8 17.4 26.2

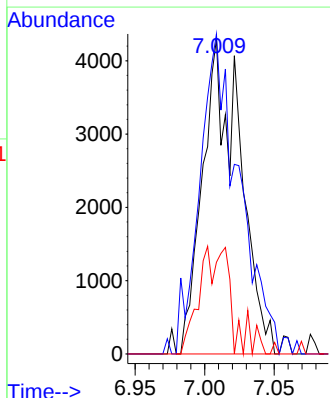
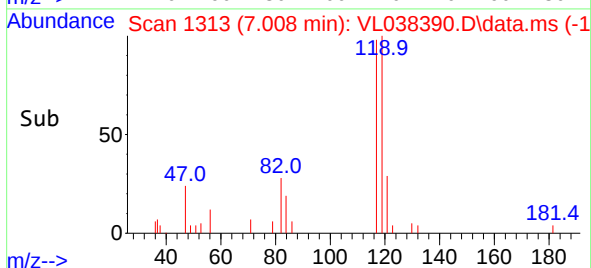
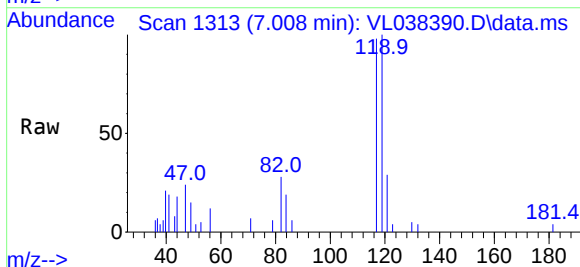
Manual Integrations
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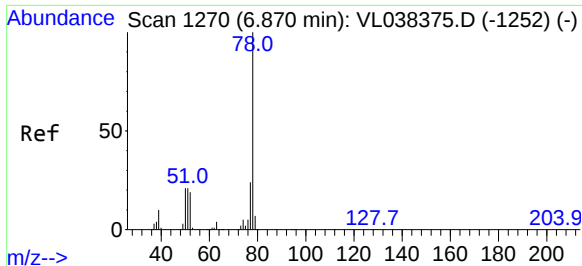
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.008 min Scan# 1313
Delta R.T. 0.013 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

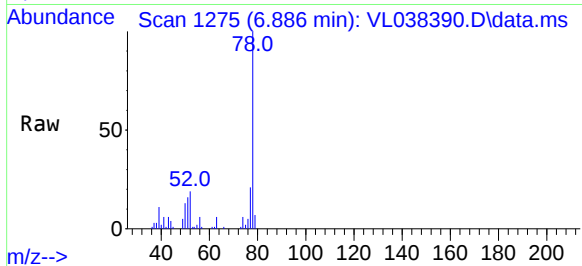
Tgt Ion:117 Resp: 7997
Ion Ratio Lower Upper
117 100
119 101.6 74.9 112.3
121 29.1 24.8 37.2





#36
Benzene
Concen: 0.297 ppbv
RT: 6.886 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

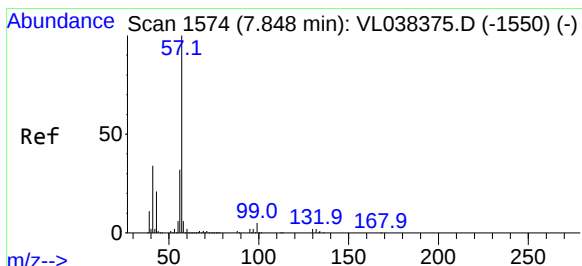
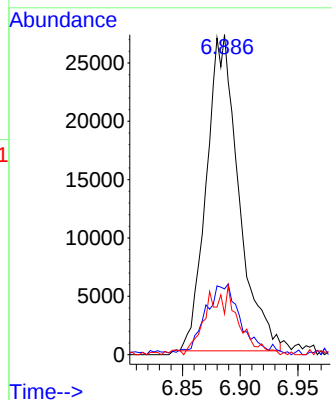
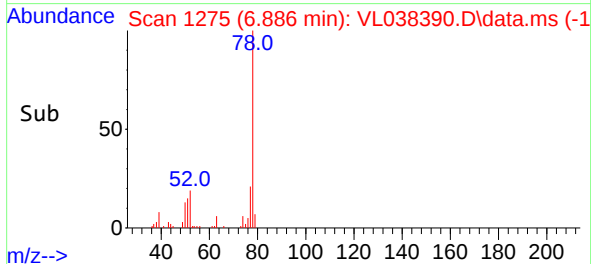
Instrument :
MSVOA_L
ClientSampleId :
BG-TE



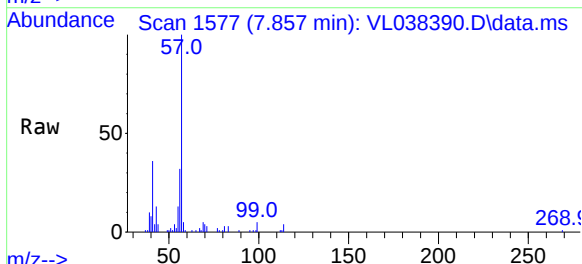
Tgt Ion: 78 Resp: 52880
Ion Ratio Lower Upper
78 100
77 19.7 19.0 28.6
50 13.0 16.6 24.8

Manual Integrations
APPROVED

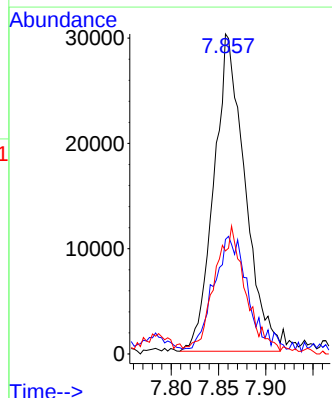
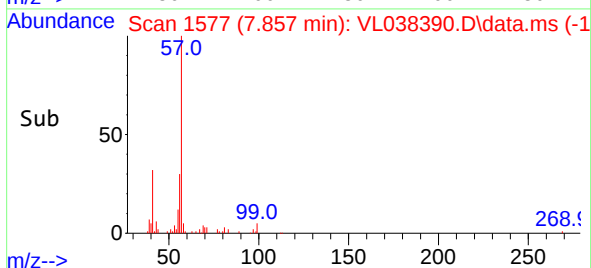
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

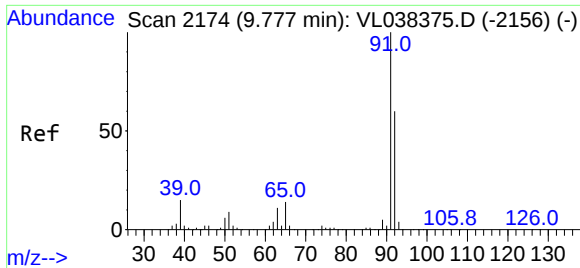


#44
2,2,4-Trimethylpentane
Concen: 0.224 ppbv
RT: 7.857 min Scan# 1577
Delta R.T. 0.010 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41



Tgt Ion: 57 Resp: 68653
Ion Ratio Lower Upper
57 100
41 39.1 26.6 39.8
56 42.6 25.0 37.6





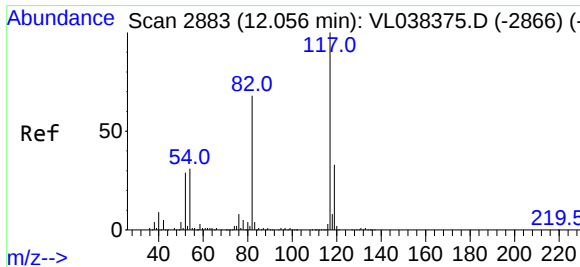
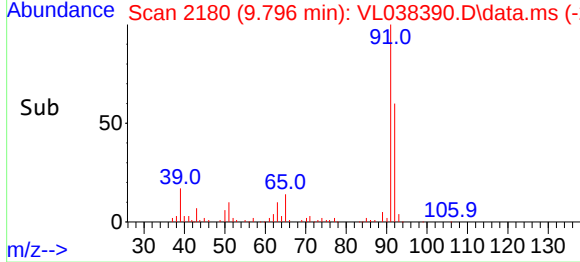
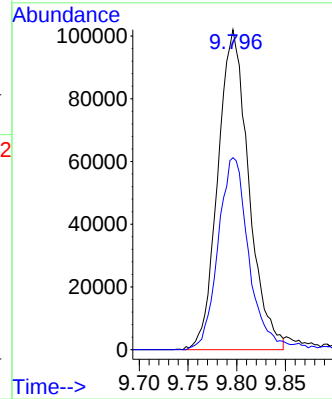
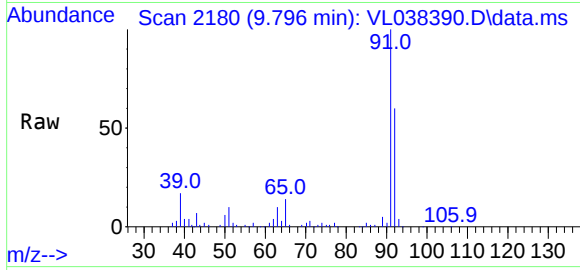
#53
Toluene
Concen: 1.162 ppbv
RT: 9.796 min Scan# 2174
Delta R.T. 0.019 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

Instrument :
MSVOA_L
ClientSampleId :
BG-TE

Tgt Ion: 91 Resp: 224920
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

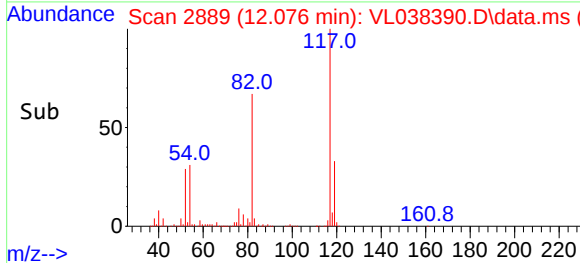
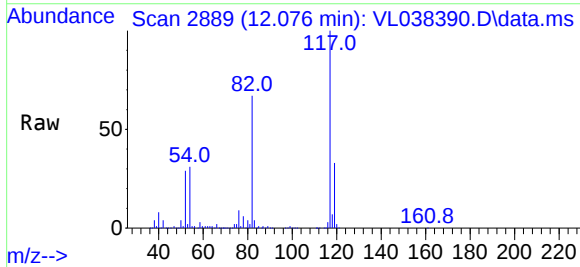
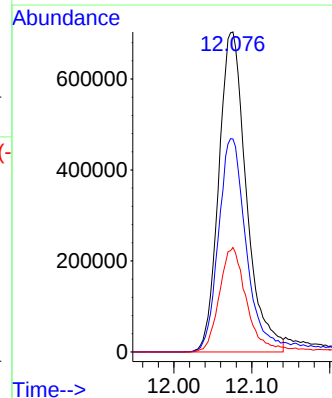
Manual Integrations
APPROVED

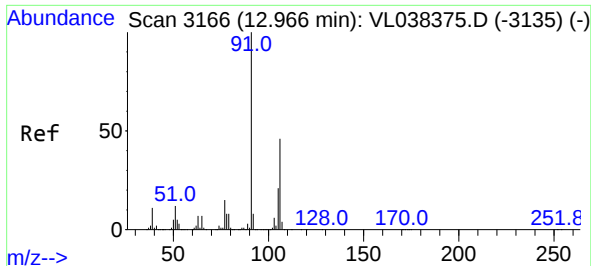
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. 0.019 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

Tgt Ion:117 Resp: 1730255
Ion Ratio Lower Upper
117 100
82 72.1 54.9 82.3
119 34.2 46.1 69.1#





#59

m/p-Xylene

Concen: 0.252 ppbv m

RT: 12.950 min Scan# 3166

Delta R.T. -0.016 min

Lab File: VL038390.D

Acq: 22 Feb 2022 15:41

Instrument :

MSVOA_L

ClientSampleId :

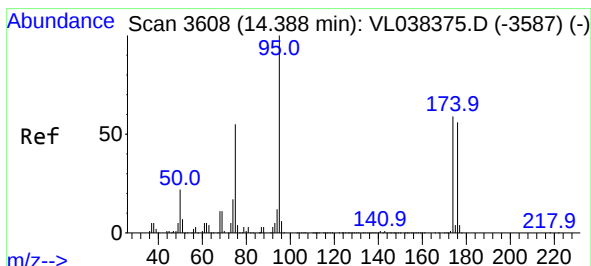
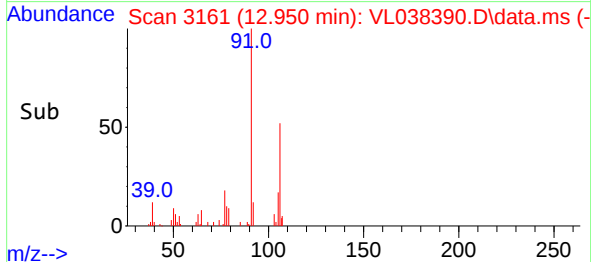
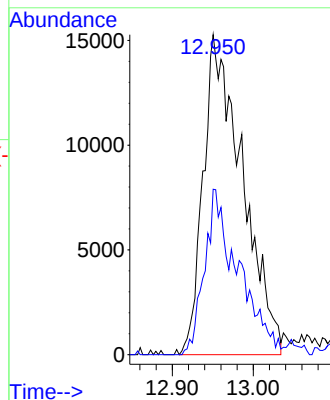
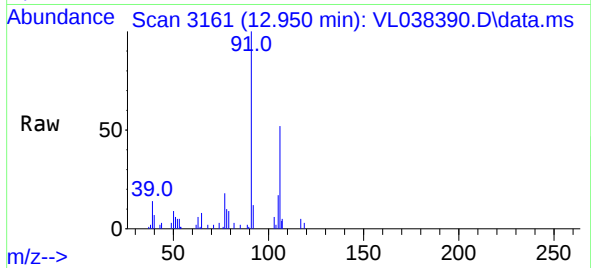
BG-TE

Tgt Ion: 91 Resp: 51184
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.598 ppbv

RT: 14.404 min Scan# 3613

Delta R.T. 0.016 min

Lab File: VL038390.D

Acq: 22 Feb 2022 15:41

Tgt Ion: 95 Resp: 1374048
 Ion Ratio Lower Upper
 95 100
 174 64.5 49.0 73.4
 175 4.8 3.6 5.4

