

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038391.D
 Acq On : 22 Feb 2022 16:23
 Operator : SY/AP
 Sample : N1606-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TEDUP

Manual Integrations
 APPROVED

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

Quant Time: Feb 23 07:05:25 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Feb 23 07:05:25 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	787621	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.169	114	1914315	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.076	117	1678556	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1419676	10.222	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	28596	0.229	ppbv	99
3) Chlorodifluoromethane	2.989	51	27654m	0.199	ppbv	
4) Chloromethane	3.147	50	28324	0.586	ppbv	99
9) Propene	3.018	41	38950m	0.848	ppbv	
10) Heptane	8.121	43	22419m	0.201	ppbv	
11) Trichlorofluoromethane	3.954	101	44244	0.370	ppbv	96
13) Ethanol	3.600	45	352631	76.946	ppbv	87
15) Acetone	3.851	43	308989	4.613	ppbv #	60
20) Methylene Chloride	4.346	84	78913	2.378	ppbv	91
26) Hexane	5.684	57	214177m	2.628	ppbv	
34) 2-Butanone	5.243	43	100558	1.670	ppbv	93
35) Carbon Tetrachloride	7.018	117	8820m	0.066	ppbv	
36) Benzene	6.883	78	52567	0.312	ppbv	97
44) 2,2,4-Trimethylpentane	7.864	57	65835	0.227	ppbv #	85
53) Toluene	9.796	91	228547	1.249	ppbv	100
59) m/p-Xylene	12.957	91	48712m	0.247	ppbv	

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

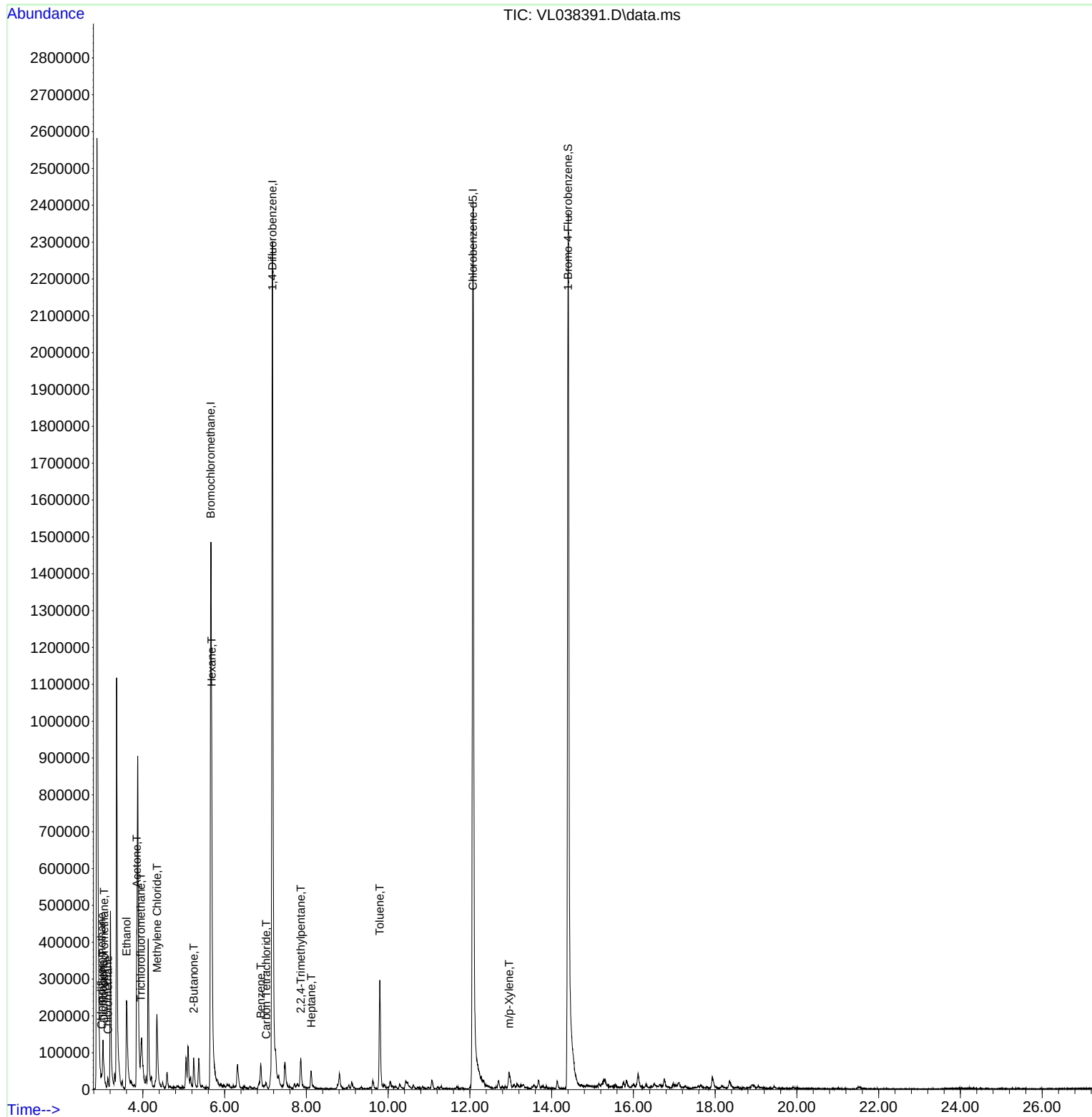
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
Data File : VL038391.D
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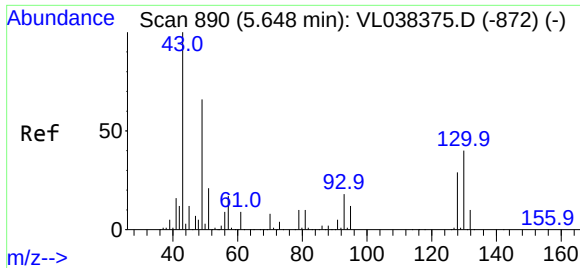
Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Quant Time: Feb 23 07:05:25 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

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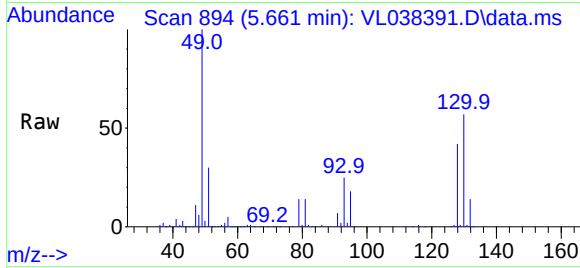
Reviewed By : Semsettin Yesilyurt 02/23/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

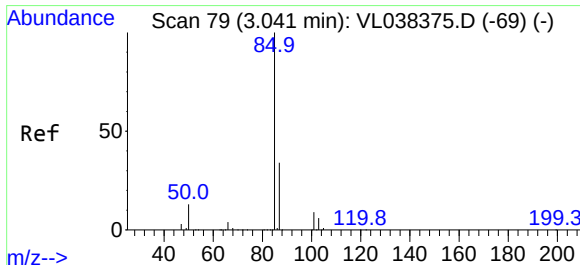
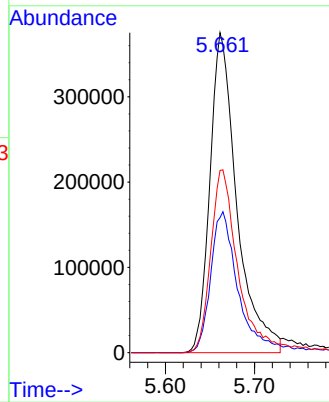
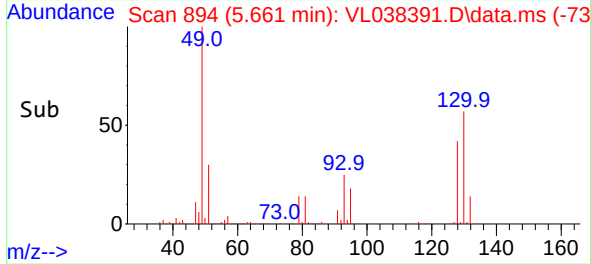
Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP



Tgt Ion: 49 Resp: 78762
Ion Ratio Lower Upper
49 100
128 47.0 24.3 72.9
130 60.6 30.1 90.5

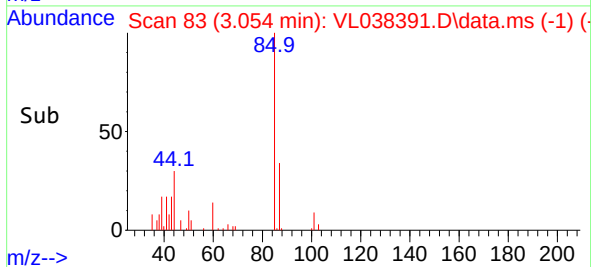
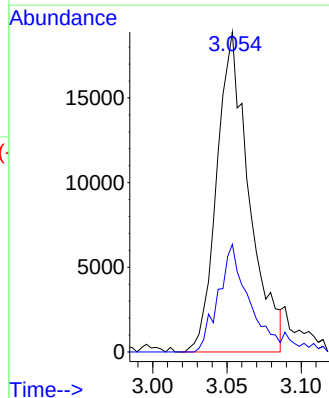
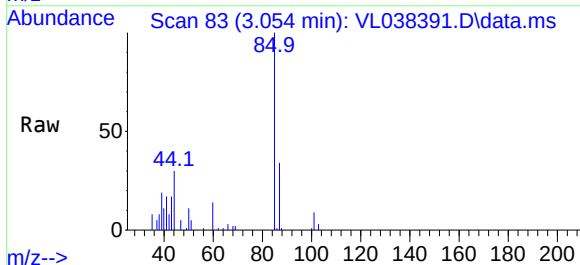
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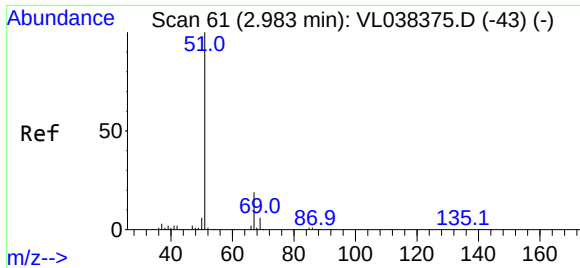
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#2
Dichlorodifluoromethane
Concen: 0.229 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.013 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

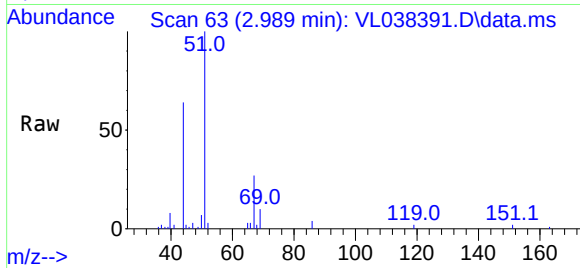
Tgt Ion: 85 Resp: 28596
Ion Ratio Lower Upper
85 100
87 33.6 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.199 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

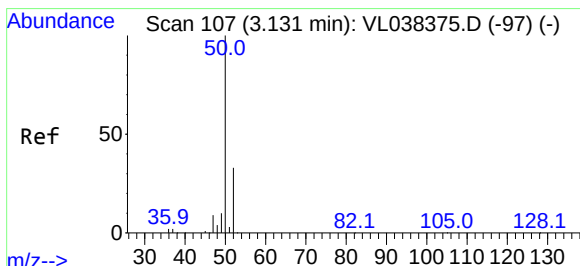
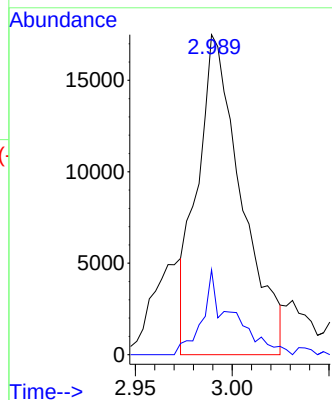
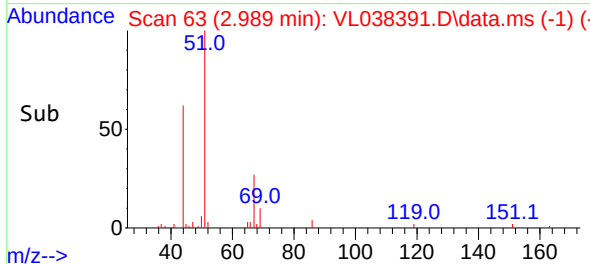
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 27654
Ion Ratio Lower Upper
51 100
67 19.0 14.7 22.1

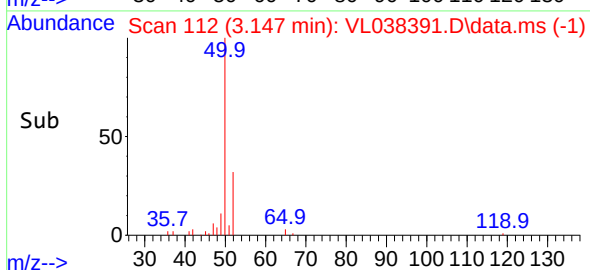
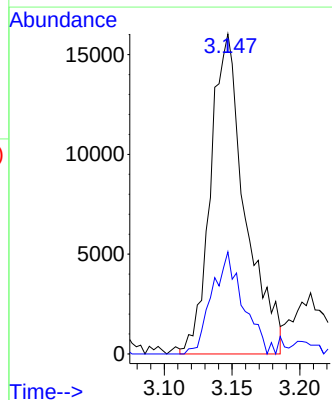
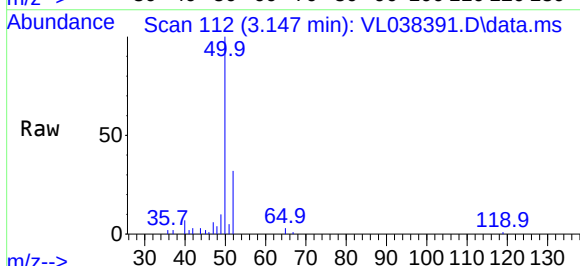
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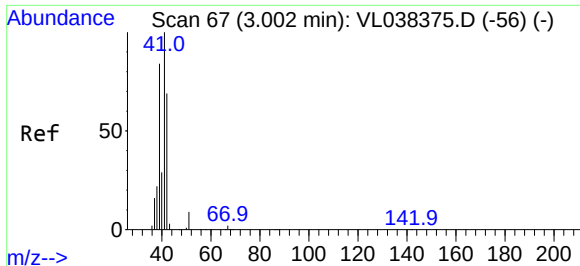
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#4
Chloromethane
Concen: 0.586 ppbv
RT: 3.147 min Scan# 112
Delta R.T. 0.016 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

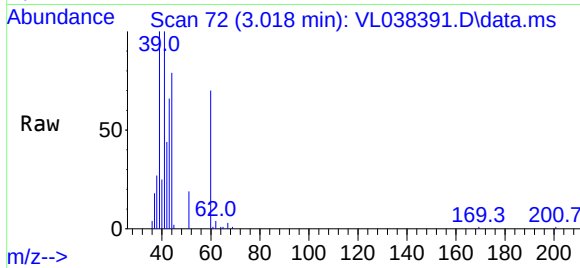
Tgt Ion: 50 Resp: 28324
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7





#9
Propene
Concen: 0.848 ppbv m
RT: 3.018 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

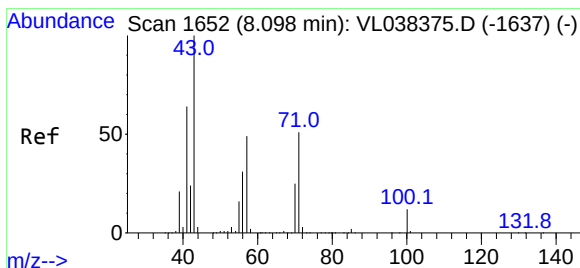
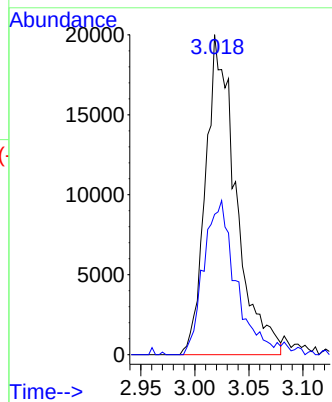
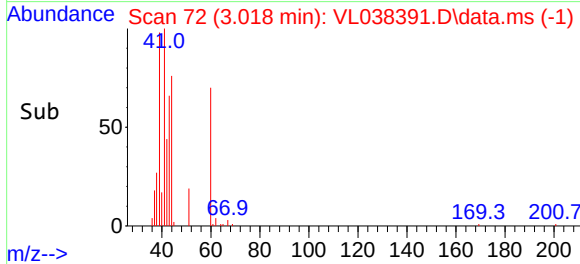
Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP



Tgt Ion: 41 Resp: 38950
Ion Ratio Lower Upper
41 100
42 282.2 54.6 82.0

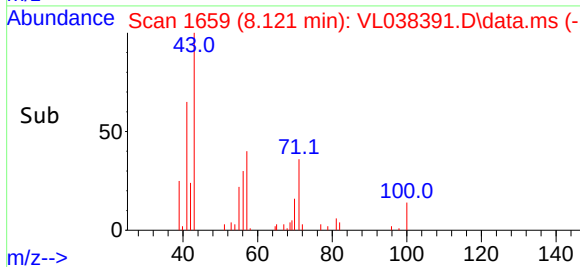
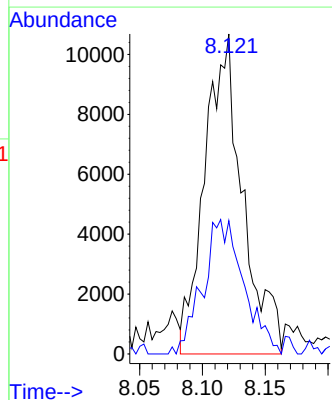
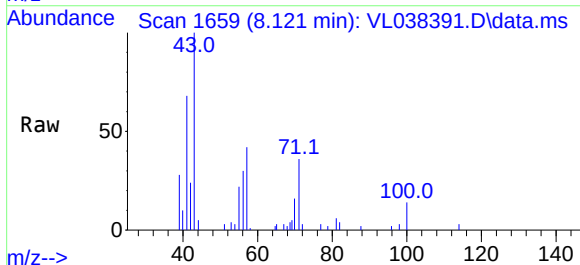
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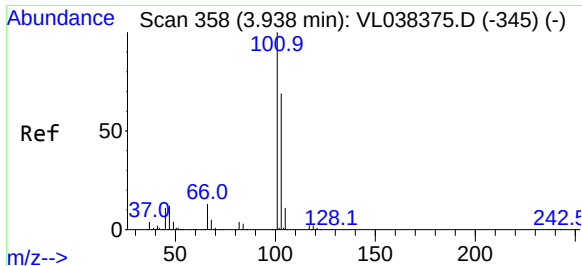
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#10
Heptane
Concen: 0.201 ppbv m
RT: 8.121 min Scan# 1659
Delta R.T. 0.023 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

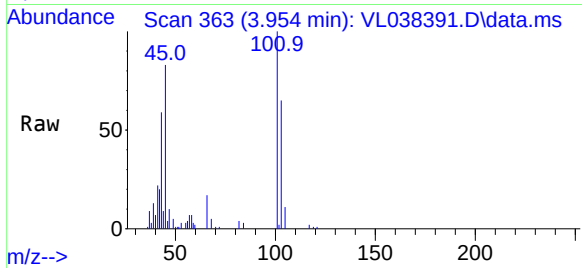
Tgt Ion: 43 Resp: 22419
Ion Ratio Lower Upper
43 100
57 47.7 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 0.370 ppbv
 RT: 3.954 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL038391.D
 Acq: 22 Feb 2022 16:23

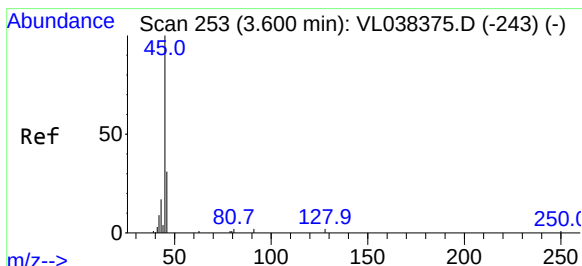
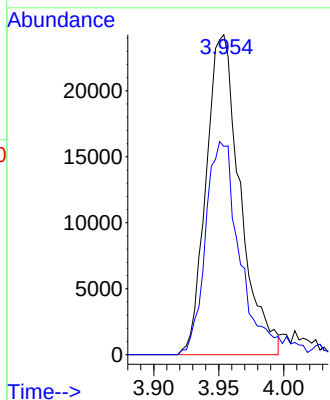
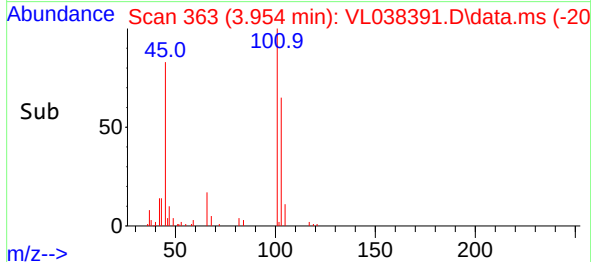
Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TEDUP



Tgt Ion: 101 Resp: 44244
 Ion Ratio Lower Upper
 101 100
 103 65.1 55.0 82.4

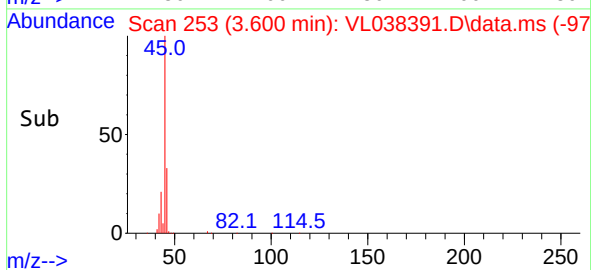
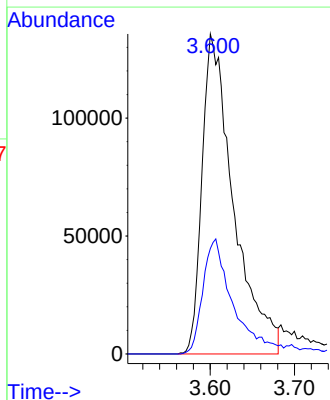
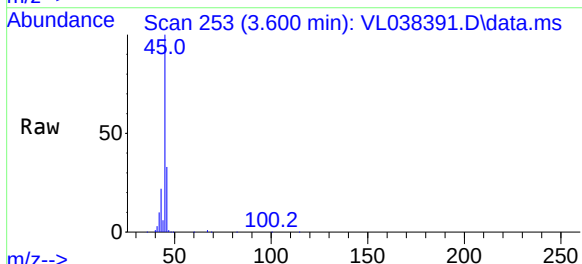
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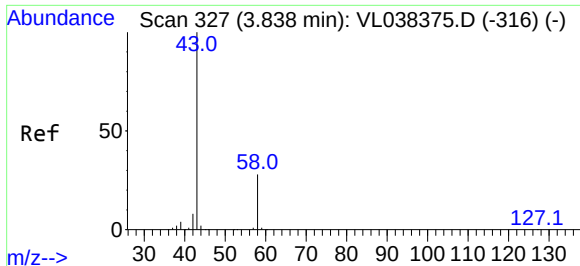
Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Mahesh Dadoda 02/25/2022



#13
 Ethanol
 Concen: 76.946 ppbv
 RT: 3.600 min Scan# 253
 Delta R.T. 0.000 min
 Lab File: VL038391.D
 Acq: 22 Feb 2022 16:23

Tgt Ion: 45 Resp: 352631
 Ion Ratio Lower Upper
 45 100
 46 37.0 18.2 72.8





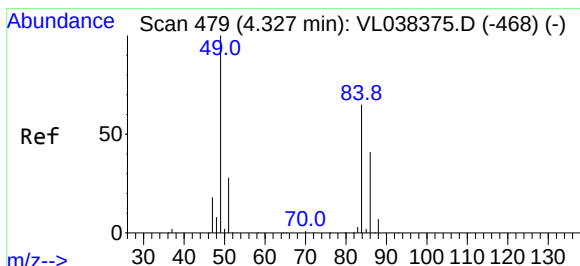
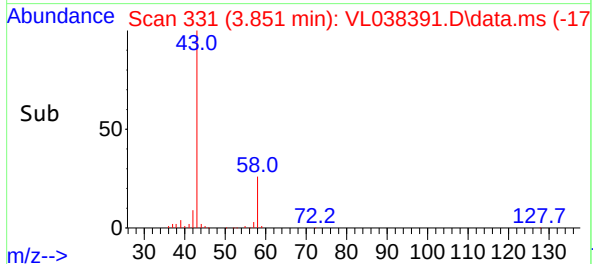
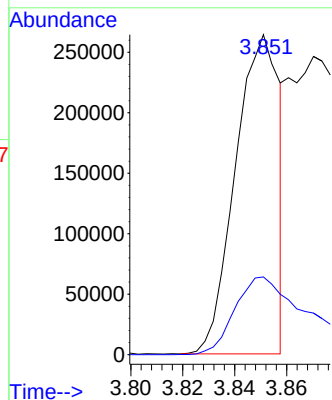
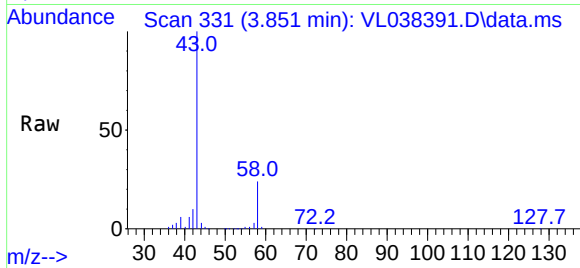
#15
Acetone
Concen: 4.613 ppbv
RT: 3.851 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 43 Resp: 308989
Ion Ratio Lower Upper
43 100
58 48.1 21.7 32.5

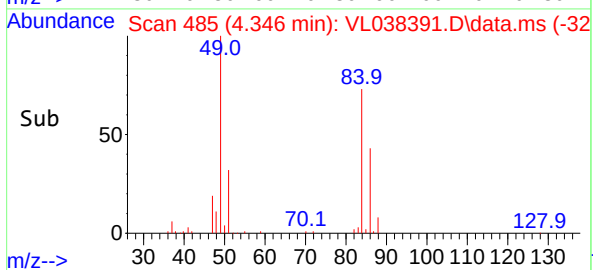
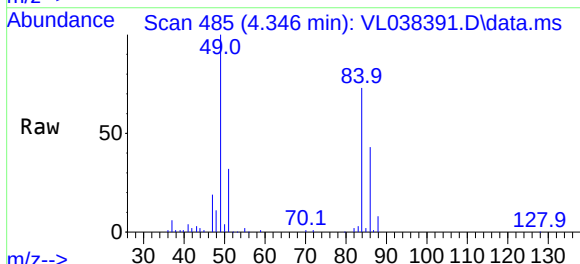
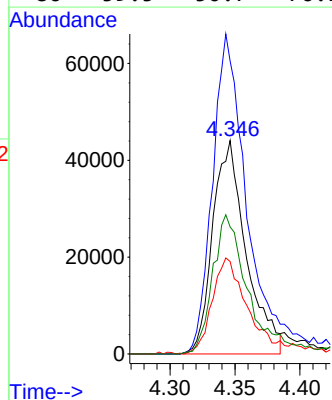
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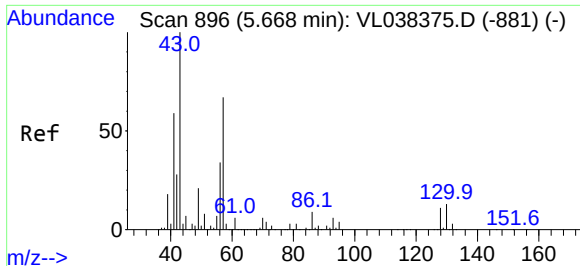
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#20
Methylene Chloride
Concen: 2.378 ppbv
RT: 4.346 min Scan# 485
Delta R.T. 0.019 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

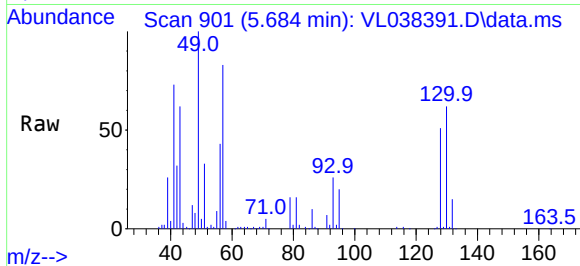
Tgt Ion: 84 Resp: 78913
Ion Ratio Lower Upper
84 100
49 137.2 122.4 183.6
51 42.9 33.3 49.9
86 59.5 50.7 76.1





#26
Hexane
Concen: 2.628 ppbv m
RT: 5.684 min Scan# 901
Delta R.T. 0.016 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

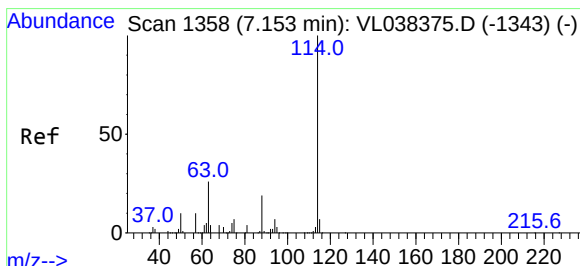
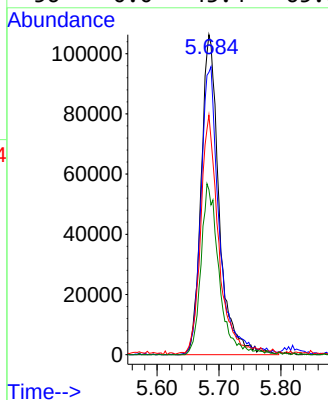
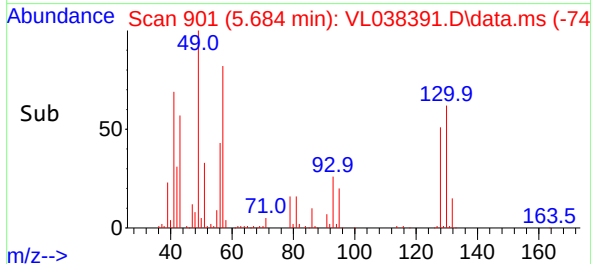
Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP



Tgt Ion: 57 Resp: 21417
Ion Ratio Lower Upper
57 100
41 0.0 73.1 109.7
43 0.0 181.0 271.4
56 0.0 43.4 65.0

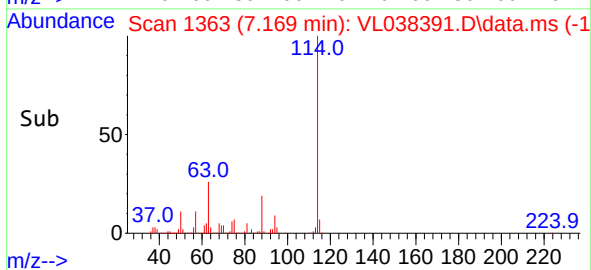
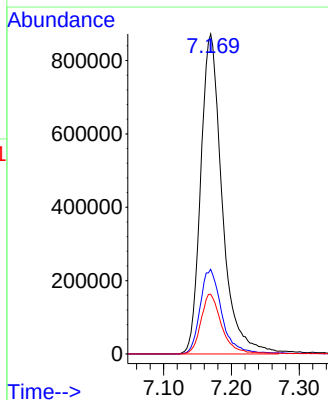
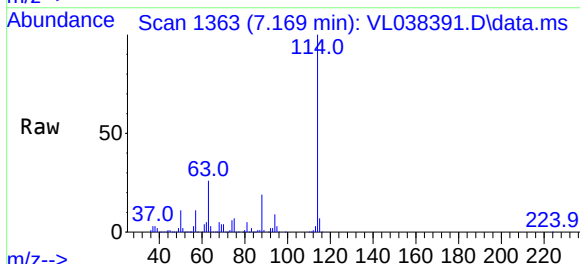
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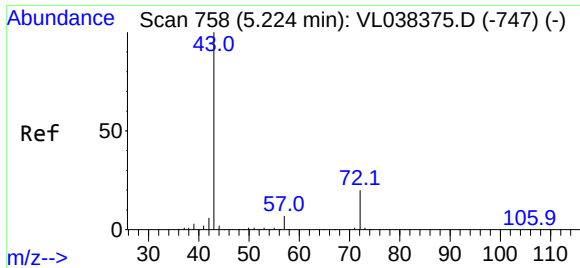
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. 0.016 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion:114 Resp: 1914315
Ion Ratio Lower Upper
114 100
63 27.2 22.2 33.2
88 18.4 15.2 22.8





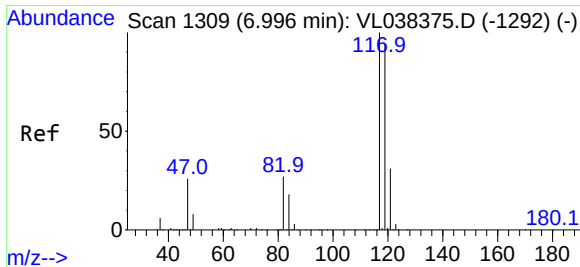
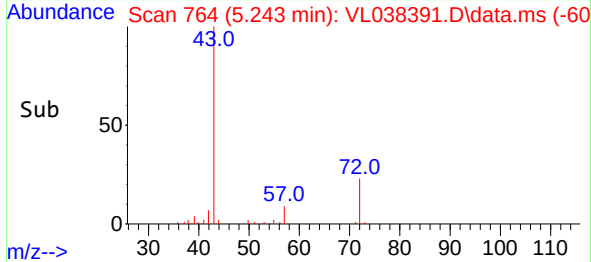
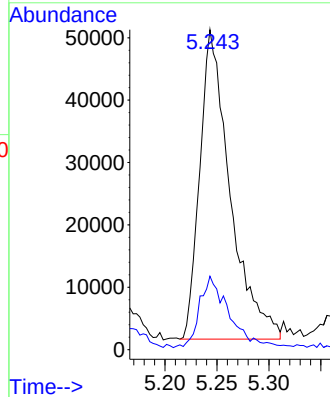
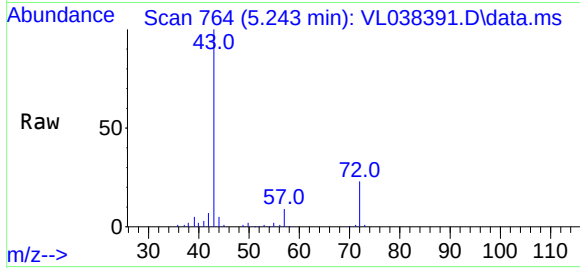
#34
2-Butanone
Concen: 1.670 ppbv
RT: 5.243 min Scan# 70
Delta R.T. 0.019 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 43 Resp: 100558
Ion Ratio Lower Upper
43 100
72 24.9 17.4 26.2

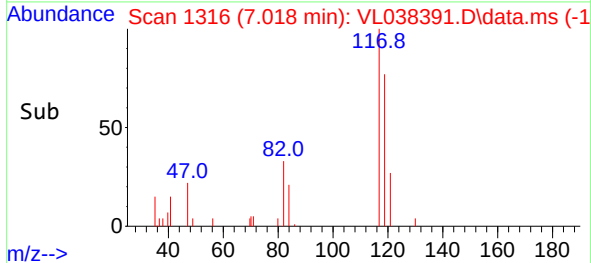
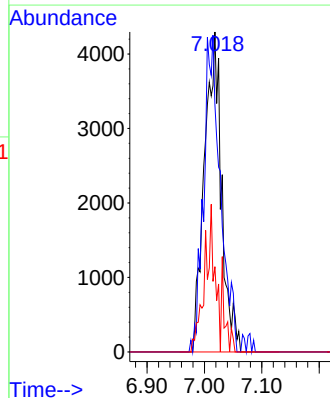
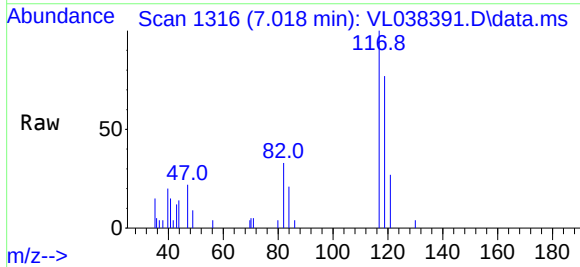
Manual Integrations
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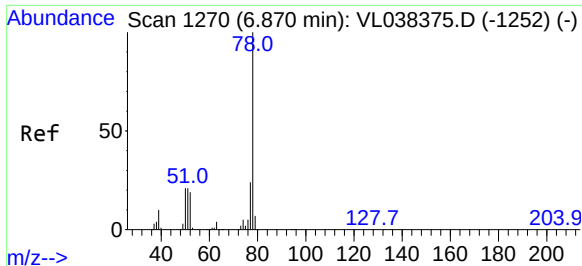
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 7.018 min Scan# 1316
Delta R.T. 0.023 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

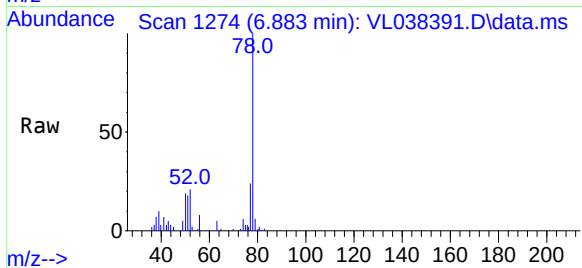
Tgt Ion:117 Resp: 8820
Ion Ratio Lower Upper
117 100
119 77.2 74.9 112.3
121 26.7 24.8 37.2





#36
Benzene
Concen: 0.312 ppbv
RT: 6.883 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

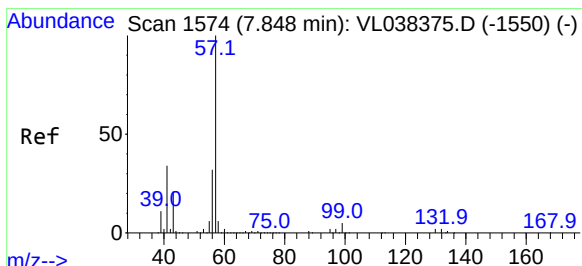
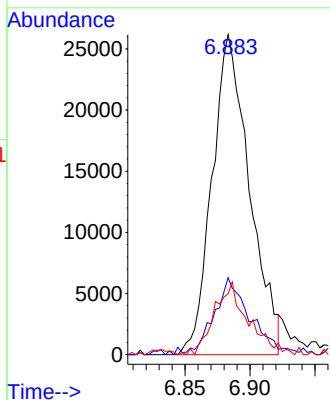
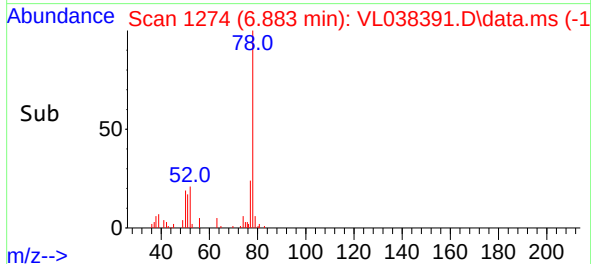


Tgt Ion: 78 Resp: 5256

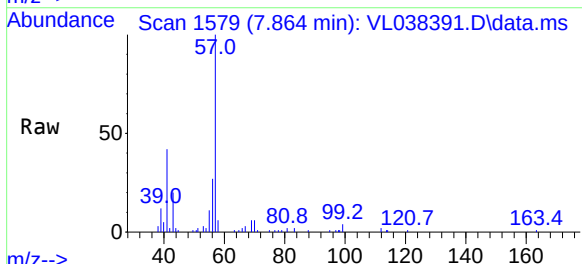
Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6
50	19.0	16.6	24.8

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

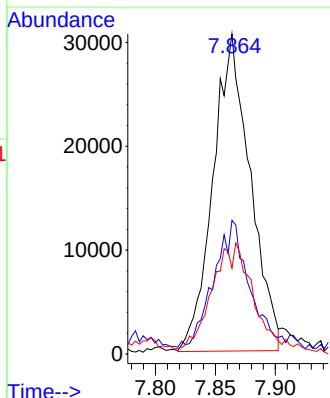
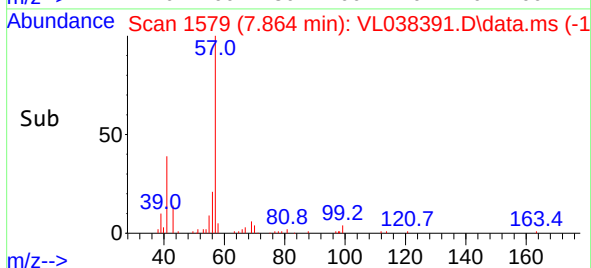


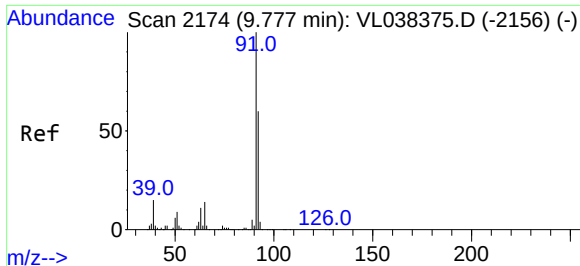
#44
2,2,4-Trimethylpentane
Concen: 0.227 ppbv
RT: 7.864 min Scan# 1579
Delta R.T. 0.016 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23



Tgt Ion: 57 Resp: 65835

Ion	Ratio	Lower	Upper
57	100		
41	40.9	26.6	39.8#
56	41.0	25.0	37.6#





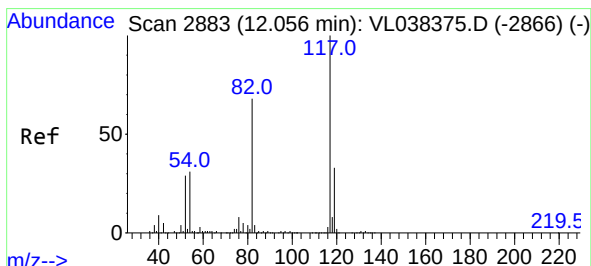
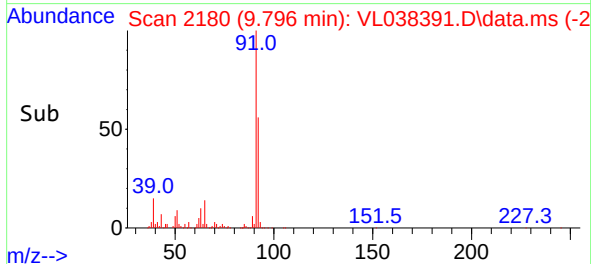
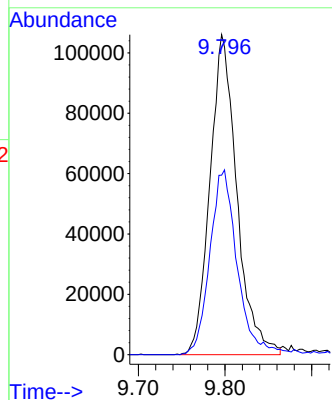
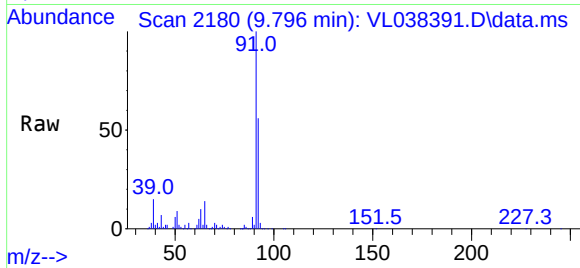
#53
Toluene
Concen: 1.249 ppbv
RT: 9.796 min Scan# 2174
Delta R.T. 0.019 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Instrument :
MSVOA_L
ClientSampleId :
BG-TEDUP

Tgt Ion: 91 Resp: 22854
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4

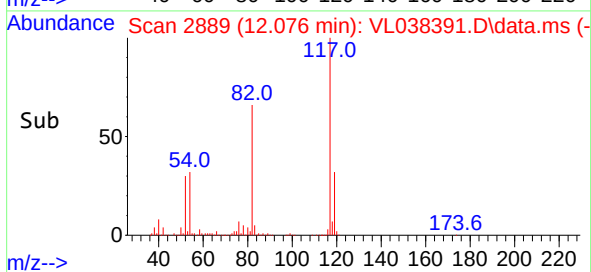
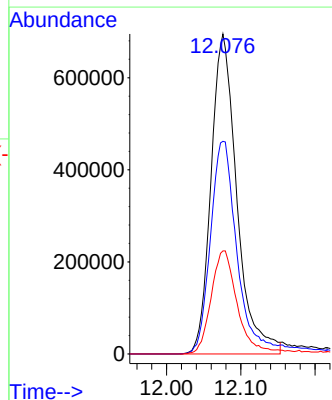
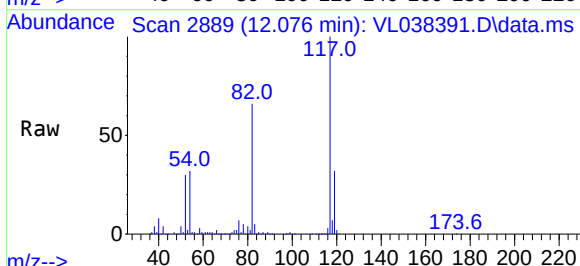
Manual Integrations
APPROVED

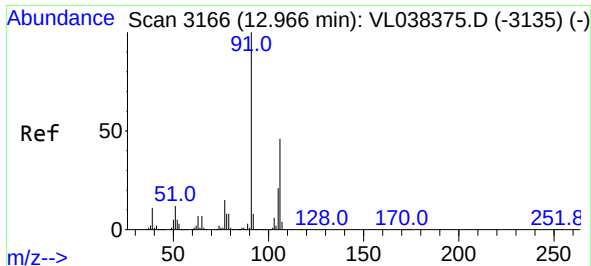
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. 0.019 min
Lab File: VL038391.D
Acq: 22 Feb 2022 16:23

Tgt Ion:117 Resp: 1678556
Ion Ratio Lower Upper
117 100
82 73.9 54.9 82.3
119 35.1 46.1 69.1#





#59

m/p-Xylene

Concen: 0.247 ppbv

RT: 12.957 min Scan# 3163

Delta R.T. -0.010 min

Lab File: VL038391.D

Acq: 22 Feb 2022 16:23

Instrument :

MSVOA_L

ClientSampleId :

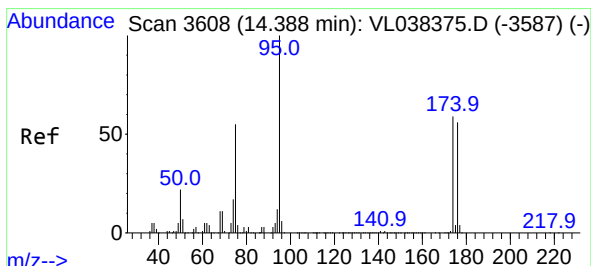
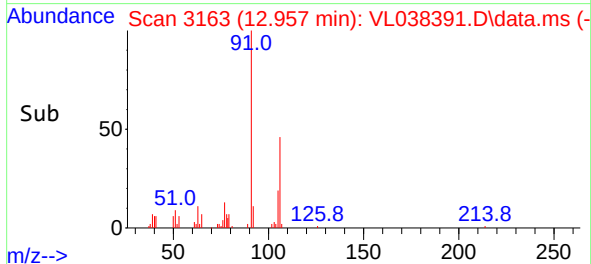
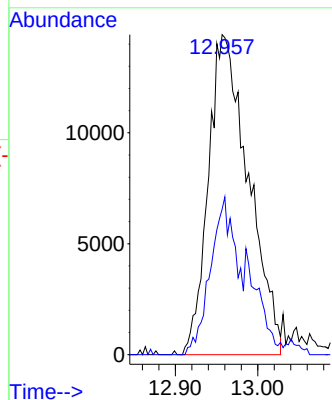
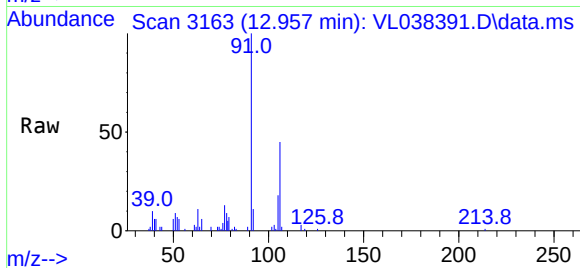
BG-TEDUP

Tgt Ion: 91 Resp: 48712
 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: 10.222 ppbv

RT: 14.404 min Scan# 3613

Delta R.T. 0.016 min

Lab File: VL038391.D

Acq: 22 Feb 2022 16:23

Tgt Ion: 95 Resp: 1419676
 Ion Ratio Lower Upper
 95 100
 174 61.2 49.0 73.4
 175 4.0 3.6 5.4

