

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038417.D
 Acq On : 23 Feb 2022 21:07
 Operator : SY/AP
 Sample : N1605-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BG-GC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:31:46 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 2

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	5.649	49	756473	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	2055227	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	1782917	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.388	95	1330597	9.020	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	31828m	0.266	ppbv	
3) Chlorodifluoromethane	2.983	51	36753	0.275	ppbv #	91
4) Chloromethane	3.134	50	25968	0.559	ppbv #	88
9) Propene	3.012	41	31880m	0.723	ppbv	
10) Heptane	8.102	43	18966	0.177	ppbv	89
11) Trichlorofluoromethane	3.941	101	23331	0.203	ppbv	92
13) Ethanol	3.600	45	148814m	33.809	ppbv	
15) Acetone	3.845	43	272499	4.236	ppbv #	66
19) Isopropyl Alcohol	3.964	45	113442m	3.045	ppbv	
20) Methylene Chloride	4.337	84	63844	2.003	ppbv	88
26) Hexane	5.671	57	389165	4.972	ppbv #	42
30) Cyclohexane	7.105	84	14181m	0.222	ppbv	
34) 2-Butanone	5.237	43	70153	1.085	ppbv #	89
35) Carbon Tetrachloride	6.999	117	8962m	0.062	ppbv	
36) Benzene	6.874	78	96603	0.534	ppbv #	91
44) 2,2,4-Trimethylpentane	7.851	57	58571	0.188	ppbv #	74
53) Toluene	9.783	91	256818	1.307	ppbv	100
59) m/p-Xylene	12.938	91	49409m	0.236	ppbv	

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

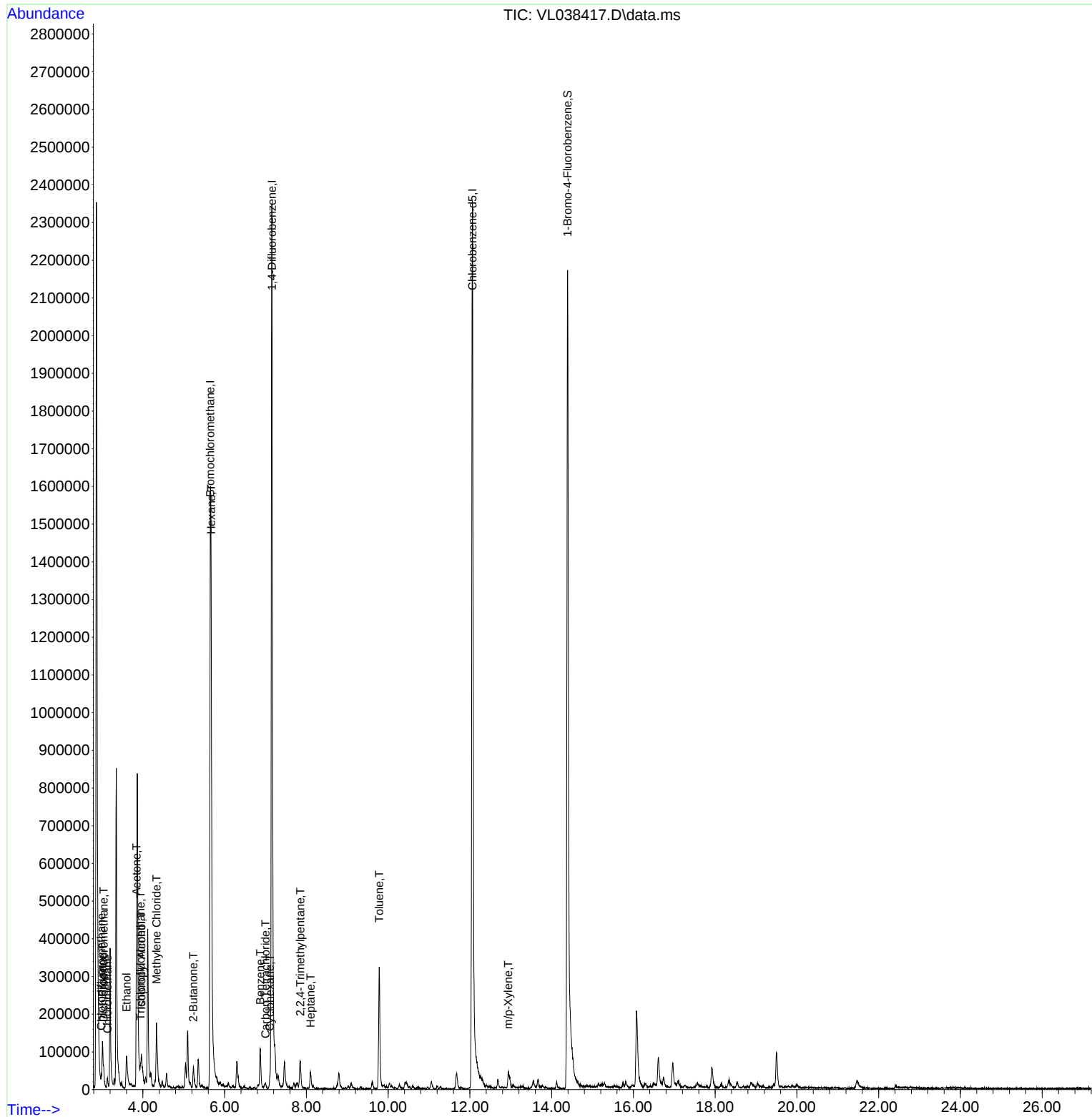
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
Data File : VL038417.D
Acq On : 23 Feb 2022 21:07
Operator : SY/AP
Sample : N1605-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

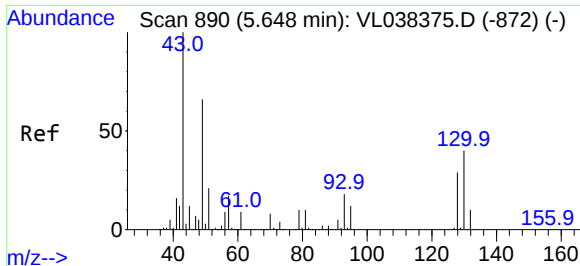
Instrument :
MSVOA_L
ClientSampleId :
BG-GC

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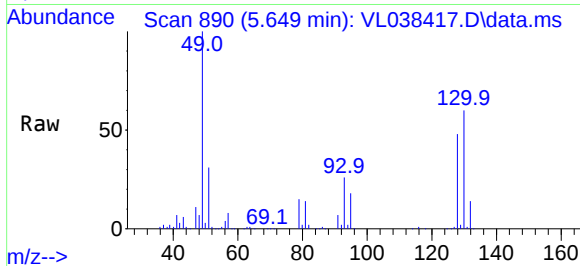
Quant Time: Feb 24 07:31:46 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.649 min Scan# 890
Delta R.T. 0.000 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

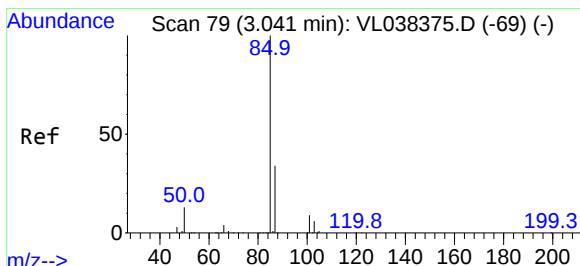
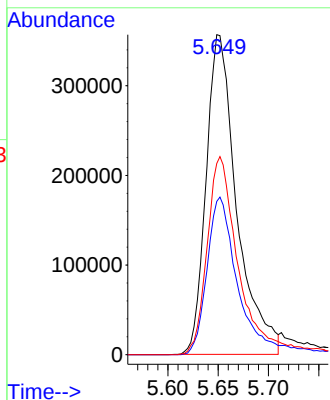
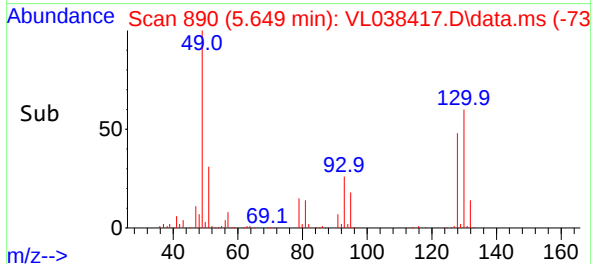
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



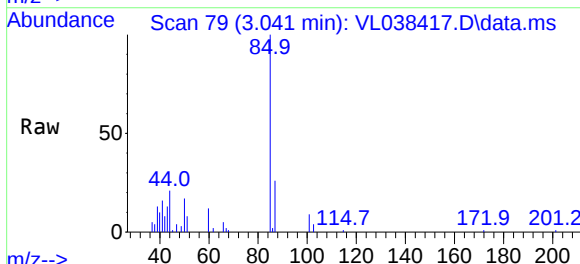
Tgt Ion: 49 Resp: 75647
Ion Ratio Lower Upper
49 100
128 52.4 24.3 72.9
130 67.0 30.1 90.5

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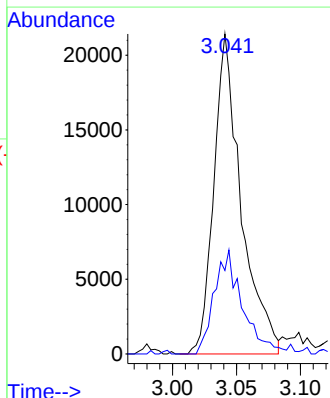
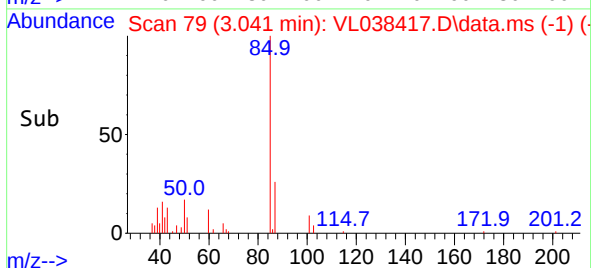
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

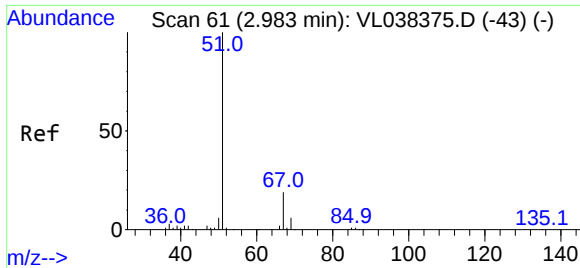


#2
Dichlorodifluoromethane
Concen: 0.266 ppbv m
RT: 3.041 min Scan# 79
Delta R.T. 0.000 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



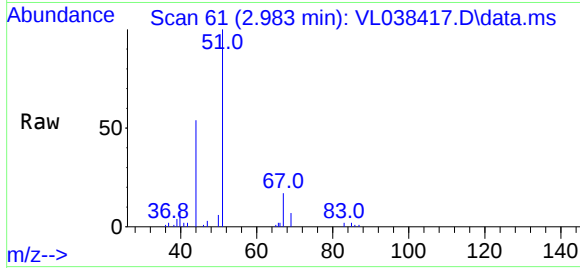
Tgt Ion: 85 Resp: 31828
Ion Ratio Lower Upper
85 100
87 26.1 27.4 41.0#





#3
Chlorodifluoromethane
Concen: 0.275 ppbv
RT: 2.983 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

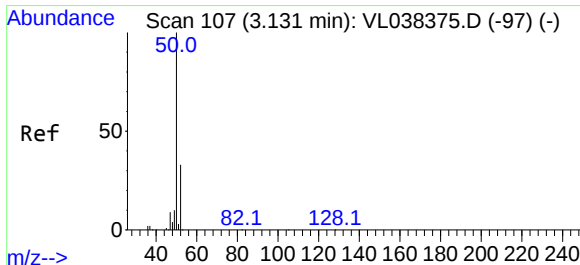
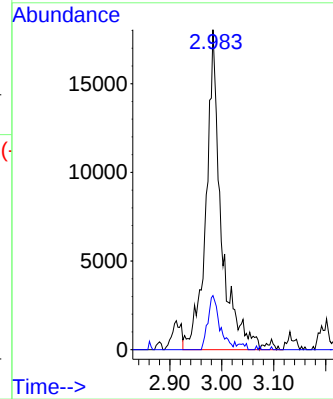
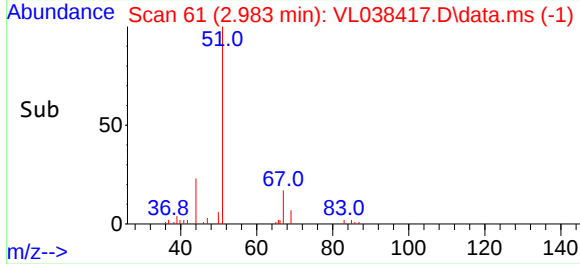
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



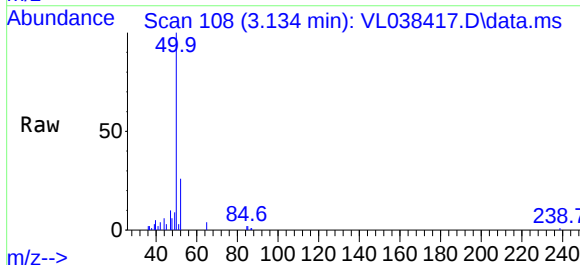
Tgt Ion: 51 Resp: 3675
Ion Ratio Lower Upper
51 100
67 14.4 14.7 22.1

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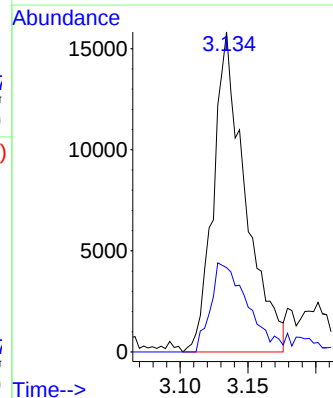
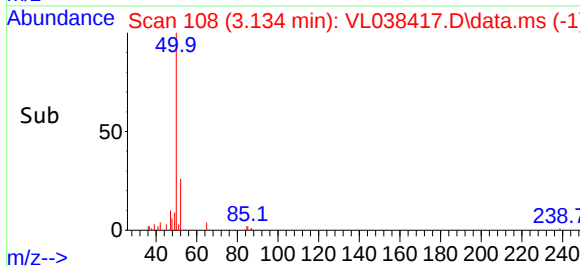
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

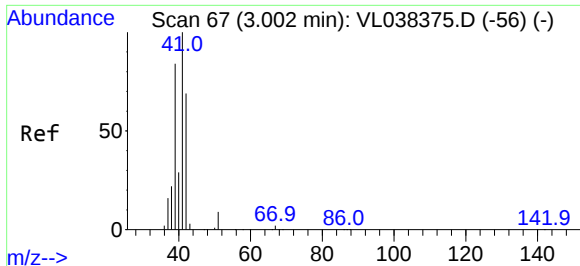


#4
Chloromethane
Concen: 0.559 ppbv
RT: 3.134 min Scan# 108
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



Tgt Ion: 50 Resp: 25968
Ion Ratio Lower Upper
50 100
52 26.4 26.5 39.7





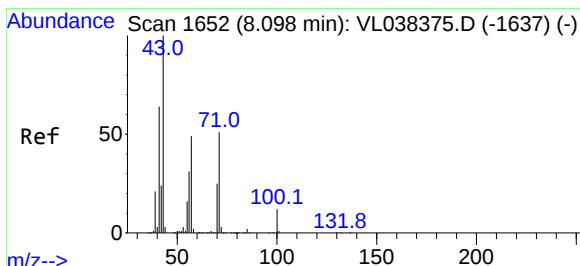
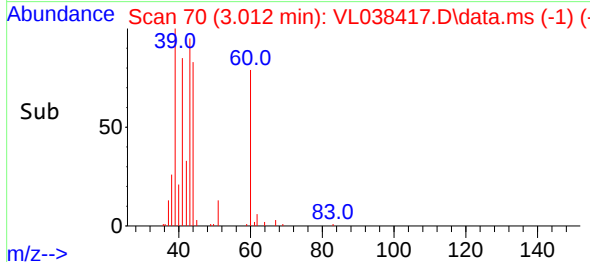
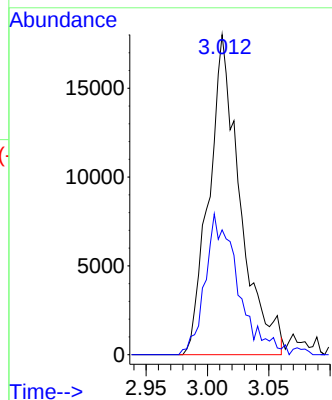
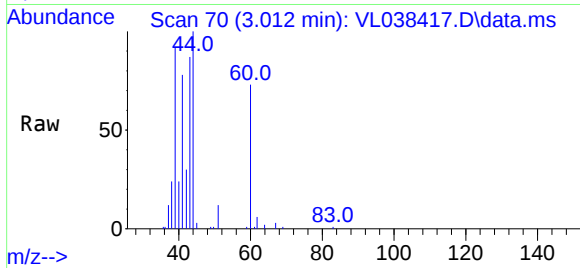
#9
Propene
Concen: 0.723 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

Instrument :
MSVOA_L
ClientSampleId :
BG-GC

Tgt Ion: 41 Resp: 31880
Ion Ratio Lower Upper
41 100
42 276.5 54.6 82.0

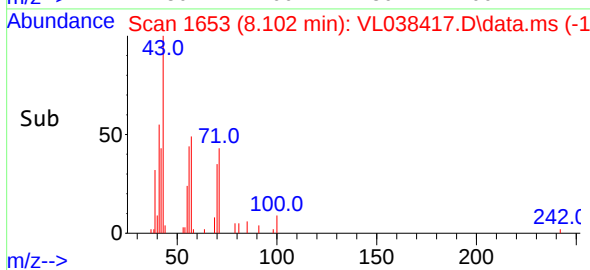
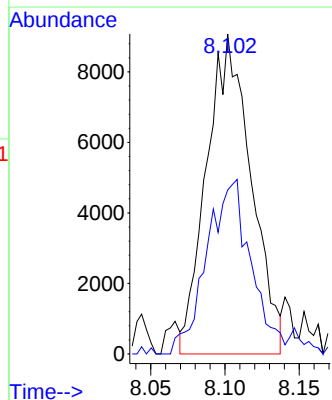
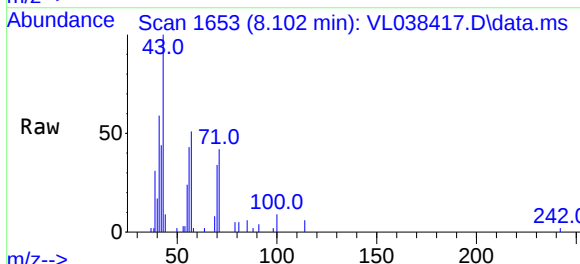
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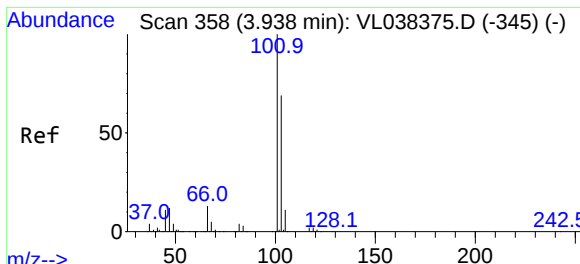
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#10
Heptane
Concen: 0.177 ppbv
RT: 8.102 min Scan# 1653
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

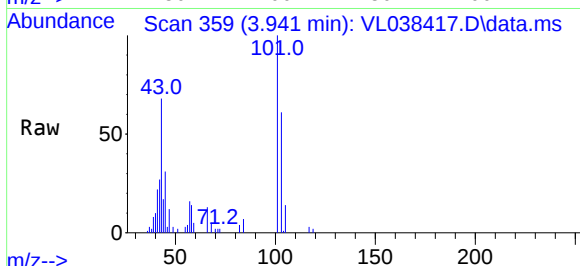
Tgt Ion: 43 Resp: 18966
Ion Ratio Lower Upper
43 100
57 57.0 39.8 59.8





#11
Trichlorofluoromethane
Concen: 0.203 ppbv
RT: 3.941 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

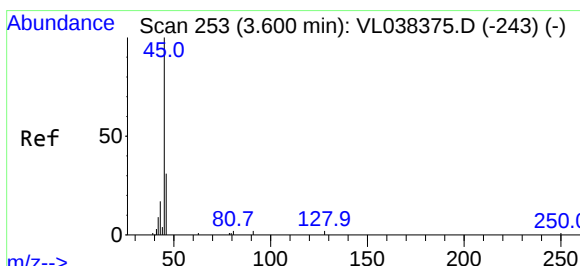
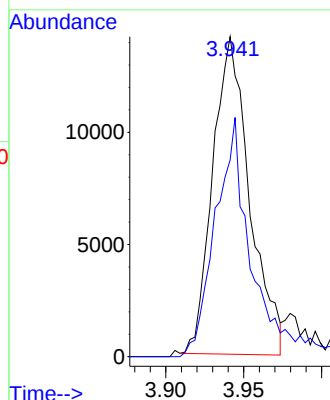
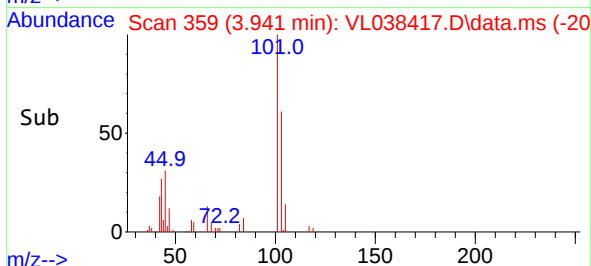
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



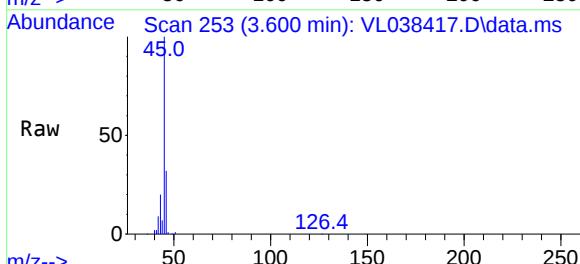
Tgt Ion:101 Resp: 2333
Ion Ratio Lower Upper
101 100
103 62.1 55.0 82.4

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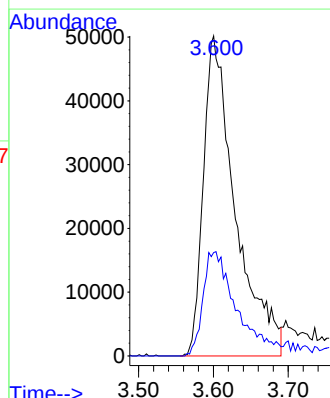
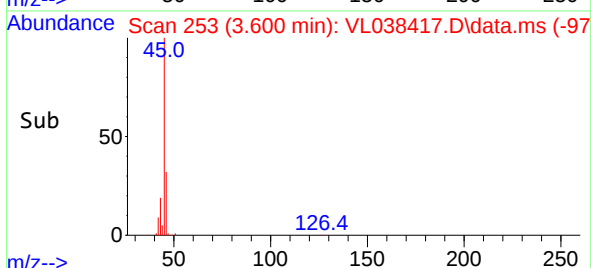
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Supervised By :Mahesh Dadoda 02/25/2022

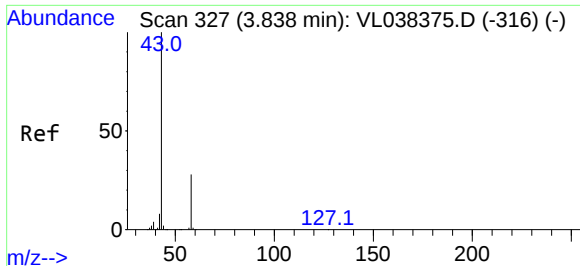


#13
Ethanol
Concen: 33.809 ppbv m
RT: 3.600 min Scan# 253
Delta R.T. 0.000 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



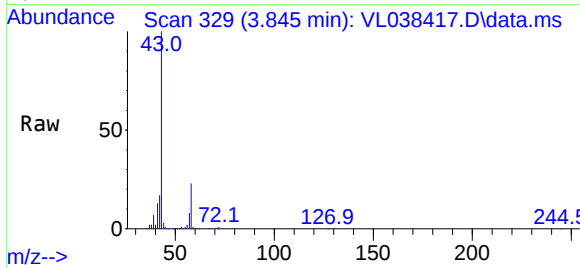
Tgt Ion: 45 Resp: 148814
Ion Ratio Lower Upper
45 100
46 36.6 18.2 72.8





#15
Acetone
Concen: 4.236 ppbv
RT: 3.845 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

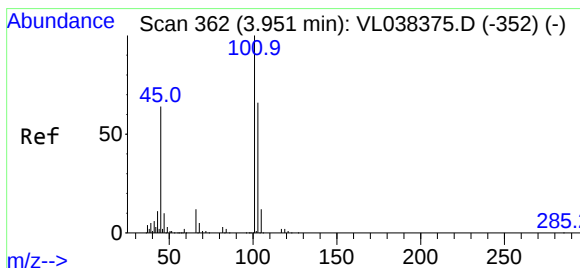
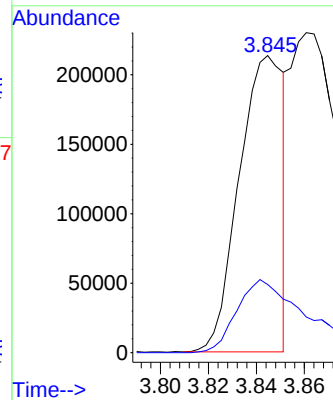
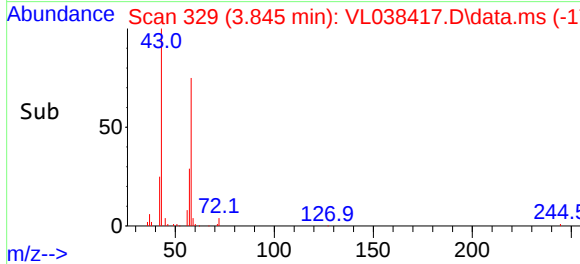
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



Tgt Ion: 43 Resp: 272499
Ion Ratio Lower Upper
43 100
58 44.7 21.7 32.5

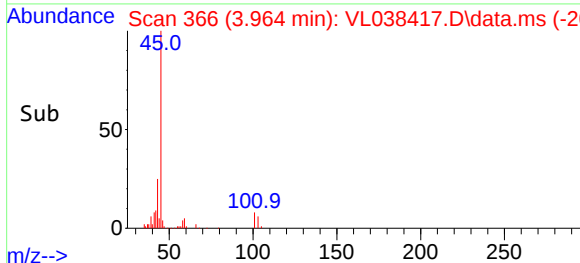
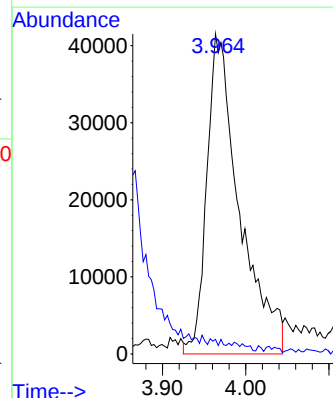
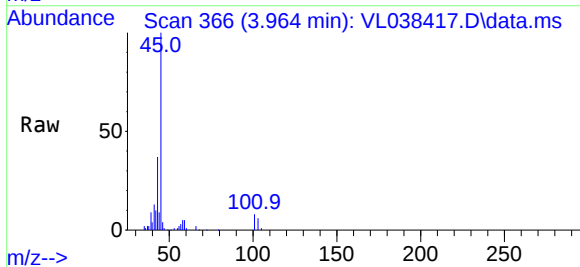
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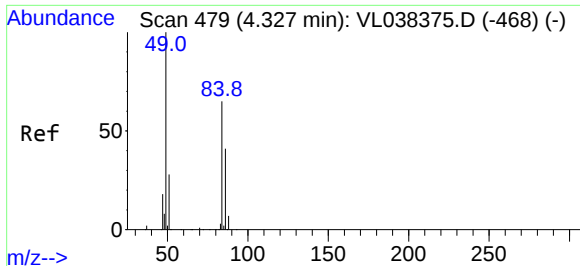
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#19
Isopropyl Alcohol
Concen: 3.045 ppbv m
RT: 3.964 min Scan# 366
Delta R.T. 0.013 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

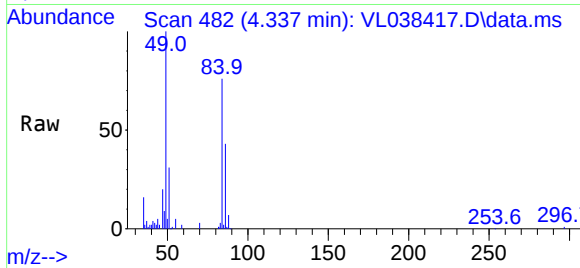
Tgt Ion: 45 Resp: 113442
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#20
Methylene Chloride
Concen: 2.003 ppbv
RT: 4.337 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

Instrument :
MSVOA_L
ClientSampleId :
BG-GC

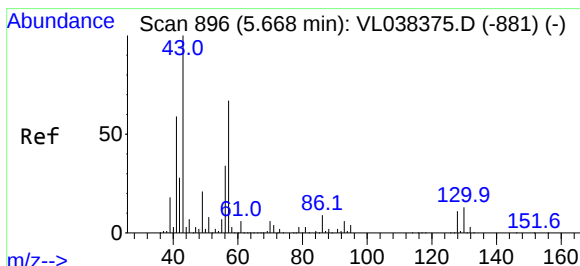
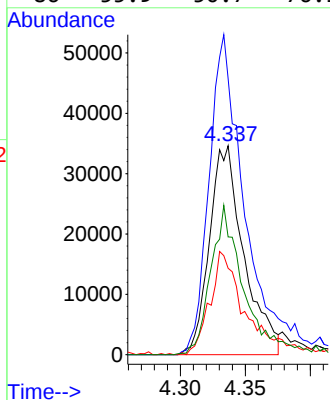
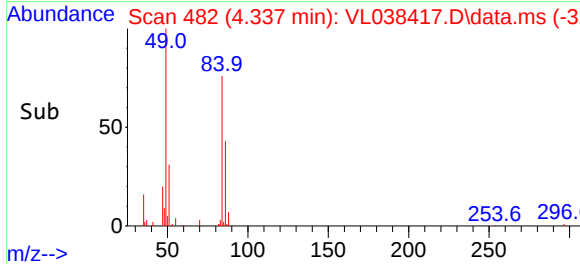


Tgt Ion: 84 Resp: 63844

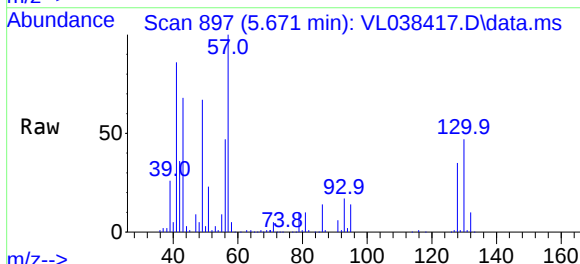
Ion	Ratio	Lower	Upper
84	100		
49	132.2	122.4	183.6
51	41.3	33.3	49.9
86	55.9	50.7	76.1

Manual Integrations
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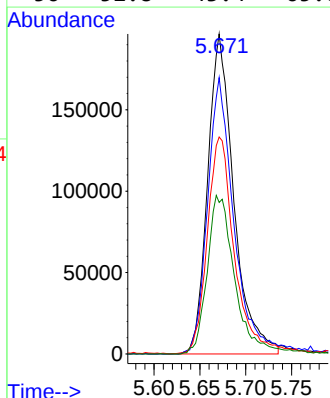
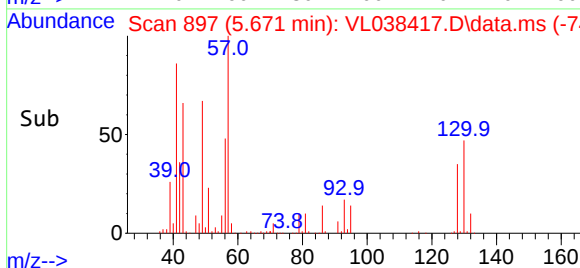


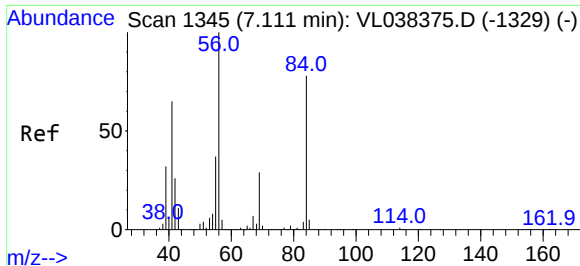
#26
Hexane
Concen: 4.972 ppbv
RT: 5.671 min Scan# 897
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



Tgt Ion: 57 Resp: 389165

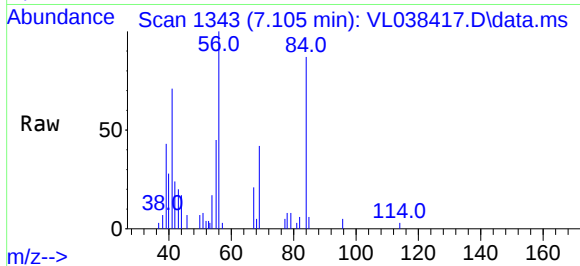
Ion	Ratio	Lower	Upper
57	100		
41	88.9	73.1	109.7
43	71.4	181.0	271.4#
56	52.8	43.4	65.0





#30
Cyclohexane
Concen: 0.222 ppbv m
RT: 7.105 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

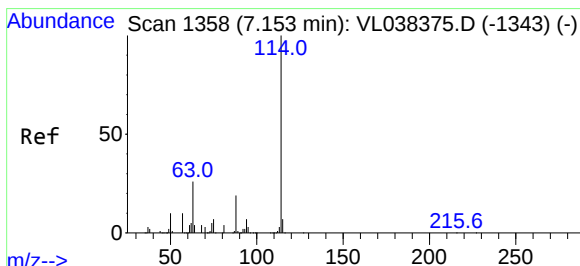
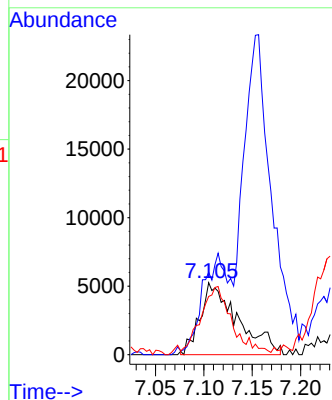
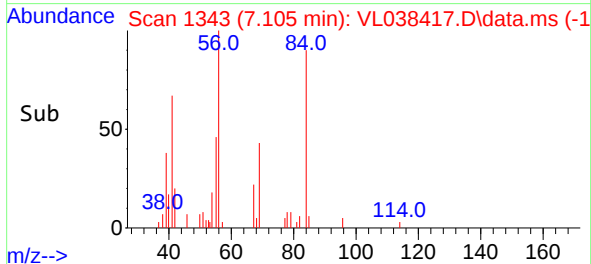
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



Tgt Ion: 84 Resp: 1418
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4
41 83.1 74.3 111.5

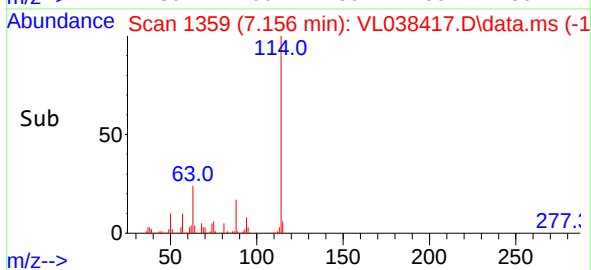
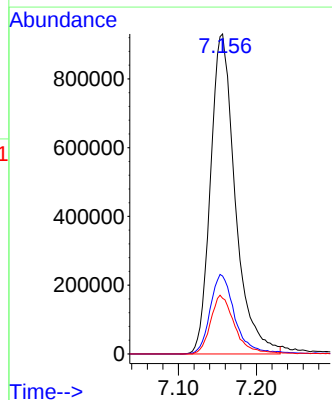
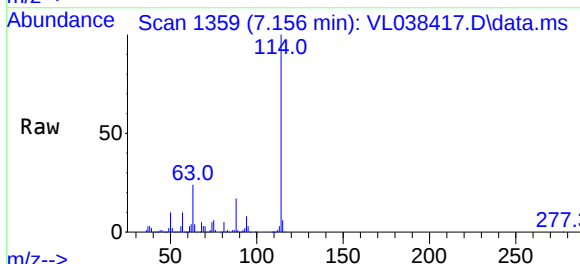
Manual Integrations
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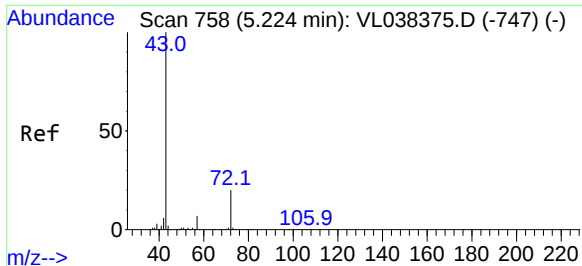
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

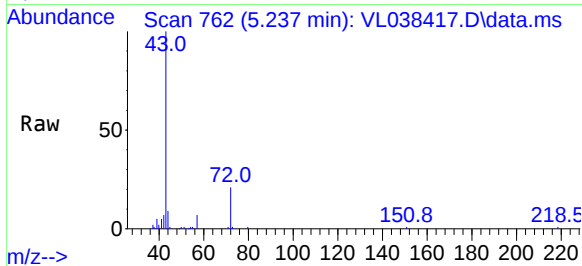
Tgt Ion:114 Resp: 2055227
Ion Ratio Lower Upper
114 100
63 25.3 22.2 33.2
88 18.2 15.2 22.8





#34
2-Butanone
Concen: 1.085 ppbv
RT: 5.237 min Scan# 7015
Delta R.T. 0.013 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

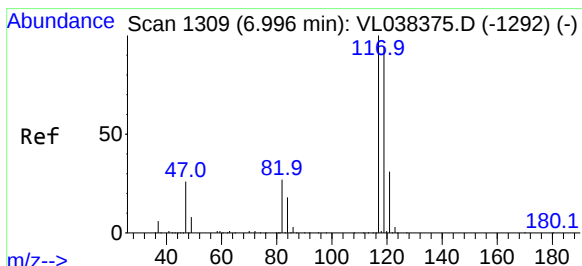
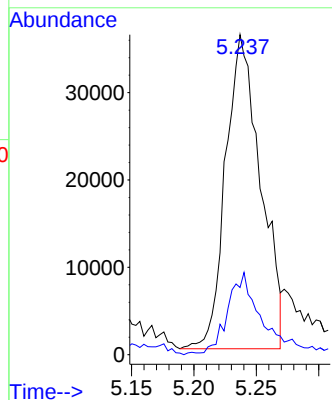
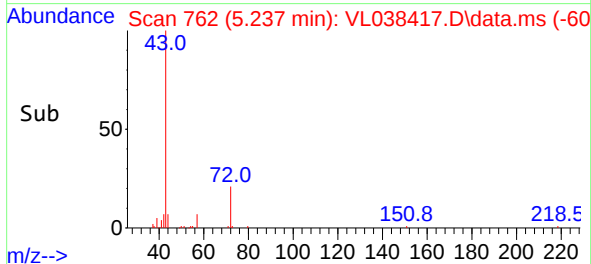
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



Tgt Ion: 43 Resp: 7015
Ion Ratio Lower Upper
43 100
72 27.2 17.4 26.2

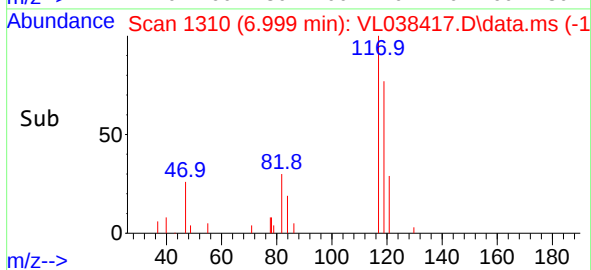
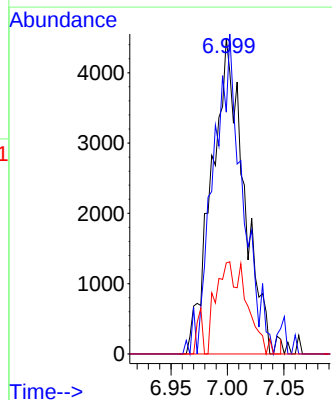
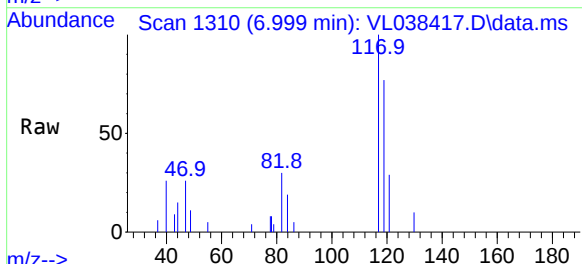
Manual Integrations
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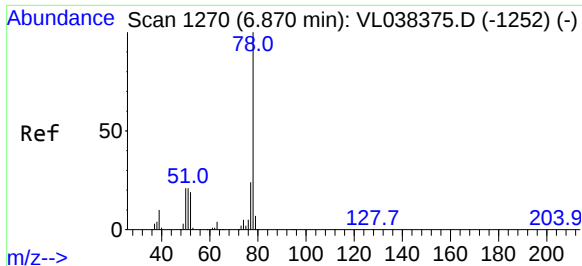
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.999 min Scan# 1310
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

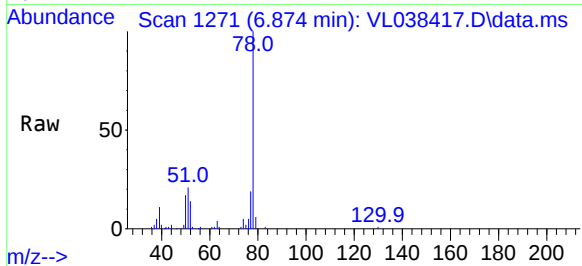
Tgt Ion:117 Resp: 8962
Ion Ratio Lower Upper
117 100
119 76.6 74.9 112.3
121 28.8 24.8 37.2





#36
Benzene
Concen: 0.534 ppbv
RT: 6.874 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

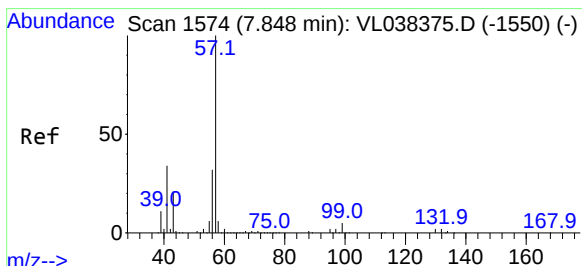
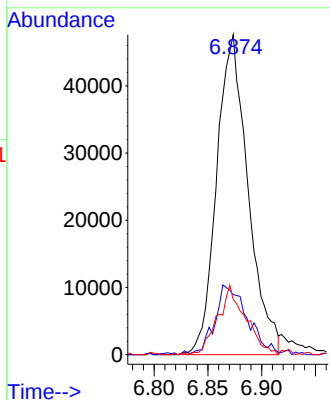
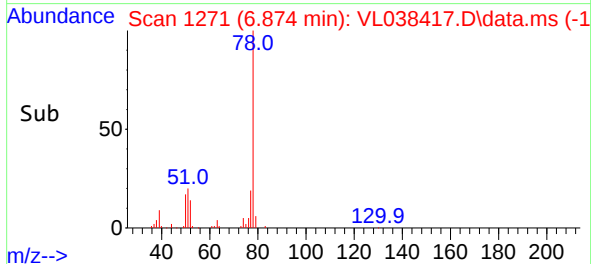
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



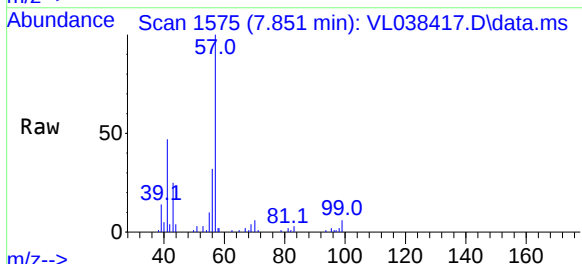
Tgt Ion: 78 Resp: 9660
Ion Ratio Lower Upper
78 100
77 18.8 19.0 28.6
50 17.2 16.6 24.8

Manual Integrations
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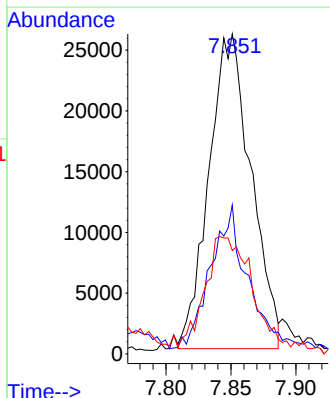
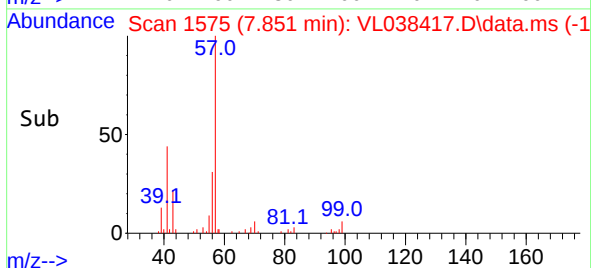
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

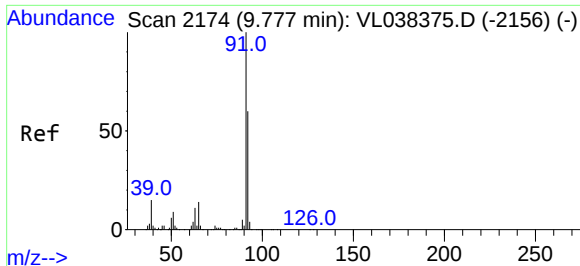


#44
2,2,4-Trimethylpentane
Concen: 0.188 ppbv
RT: 7.851 min Scan# 1575
Delta R.T. 0.003 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



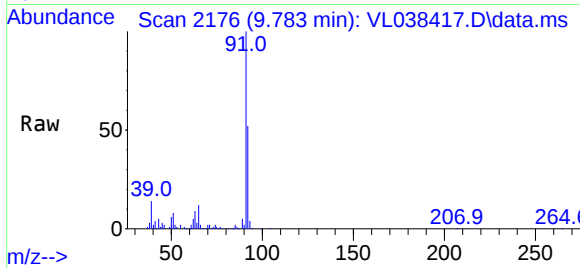
Tgt Ion: 57 Resp: 58571
Ion Ratio Lower Upper
57 100
41 48.3 26.6 39.8#
56 45.3 25.0 37.6#





#53
Toluene
Concen: 1.307 ppbv
RT: 9.783 min Scan# 2176
Delta R.T. 0.007 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

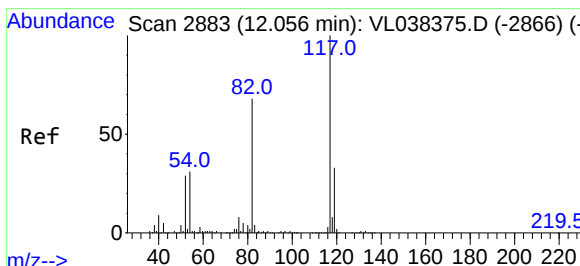
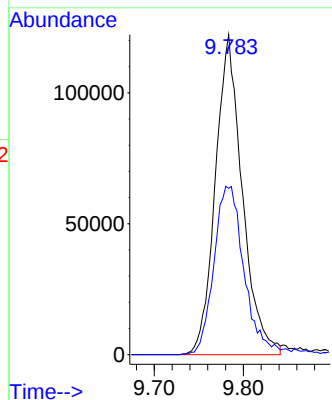
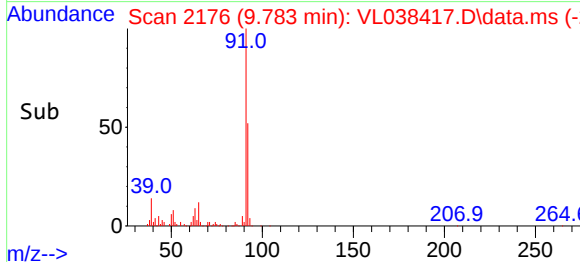
Instrument :
MSVOA_L
ClientSampleId :
BG-GC



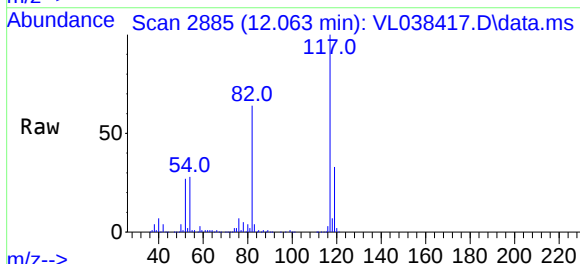
Tgt Ion: 91 Resp: 256818
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.4

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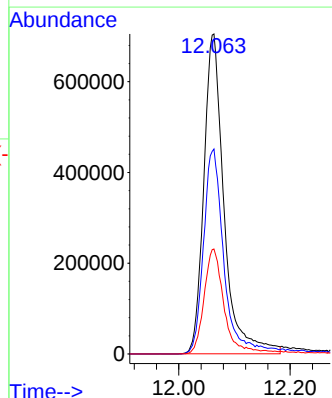
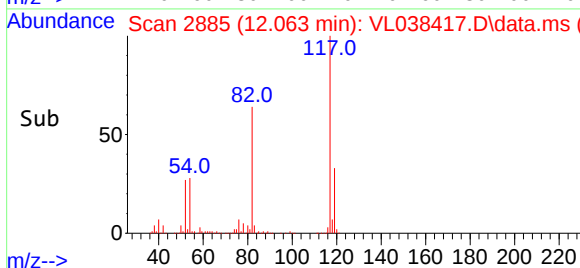
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

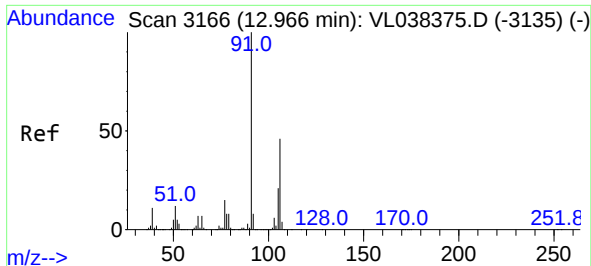


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 2885
Delta R.T. 0.007 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07



Tgt Ion:117 Resp: 1782917
Ion Ratio Lower Upper
117 100
82 66.7 54.9 82.3
119 33.3 46.1 69.1





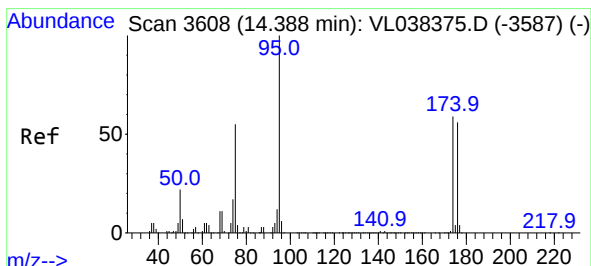
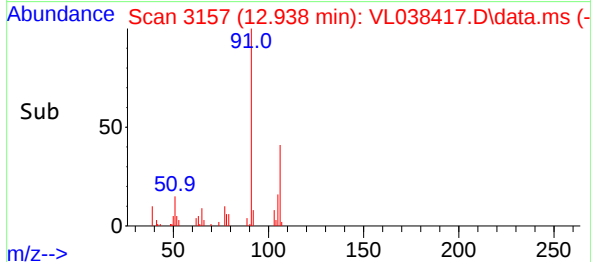
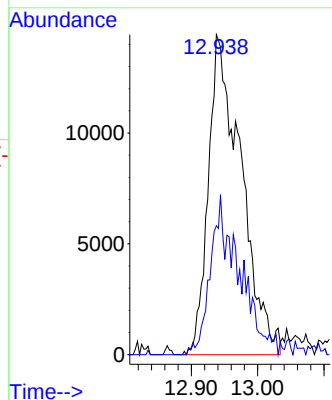
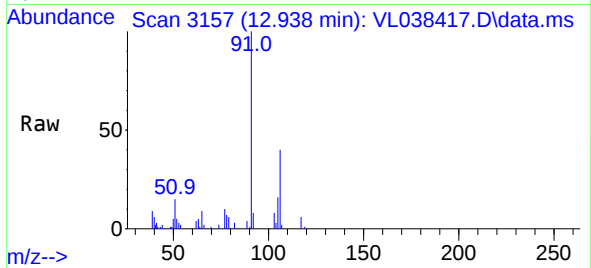
#59
m/p-Xylene
Concen: 0.236 ppbv m
RT: 12.938 min Scan# 3166
Delta R.T. -0.029 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

Instrument :
MSVOA_L
ClientSampleId :
BG-GC

Tgt Ion: 91 Resp: 49409
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.020 ppbv
RT: 14.388 min Scan# 3608
Delta R.T. 0.000 min
Lab File: VL038417.D
Acq: 23 Feb 2022 21:07

Tgt Ion: 95 Resp: 1330597
Ion Ratio Lower Upper
95 100
174 64.8 49.0 73.4
175 4.3 3.6 5.4

