

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038696.D
 Acq On : 22 Mar 2022 23:04
 Operator : SY/AP
 Sample : N1961-15
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P78

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/23/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:17:35 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 2

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	827820	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	2267460	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	2063868	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1530700	9.674	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	21664	0.195	ppbv	96
3) Chlorodifluoromethane	2.980	51	50809	0.581	ppbv	96
4) Chloromethane	3.134	50	9556	0.199	ppbv	97
9) Propene	3.009	41	25144	0.596	ppbv	96
11) Trichlorofluoromethane	3.941	101	20423	0.208	ppbv	94
13) Ethanol	3.597	45	63454m	13.628	ppbv	
15) Acetone	3.835	43	1036822	14.515	ppbv	100
17) tert-Butyl alcohol	4.291	59	8428m	0.135	ppbv	
19) Isopropyl Alcohol	3.967	45	24906m	0.629	ppbv	
20) Methylene Chloride	4.330	84	478782	15.914	ppbv	97
22) trans-1,2-Dichloroethene	4.873	96	13198	0.375	ppbv	95
26) Hexane	5.671	57	629454	7.819	ppbv #	39
29) Chloroform	5.738	83	57335	0.445	ppbv	96
30) Cyclohexane	7.108	84	190010	2.715	ppbv	93
31) cis-1,2-Dichloroethene	5.536	61	25590	0.338	ppbv	95
34) 2-Butanone	5.224	43	888989	9.906	ppbv	98
35) Carbon Tetrachloride	7.008	117	5655m	0.043	ppbv	
36) Benzene	6.870	78	133803	0.765	ppbv	96
38) Trichloroethene	7.815	130	127554	1.740	ppbv	94
41) Tetrahydrofuran	6.021	42	2616870	39.178	ppbv	99
44) 2,2,4-Trimethylpentane	7.848	57	1730907	5.891	ppbv	95
52) Tetrachloroethene	11.204	164	2563529	40.030	ppbv	95
53) Toluene	9.783	91	753761	4.009	ppbv	100
62) Isopropylbenzene	14.645	105	234586	0.779	ppbv	100

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

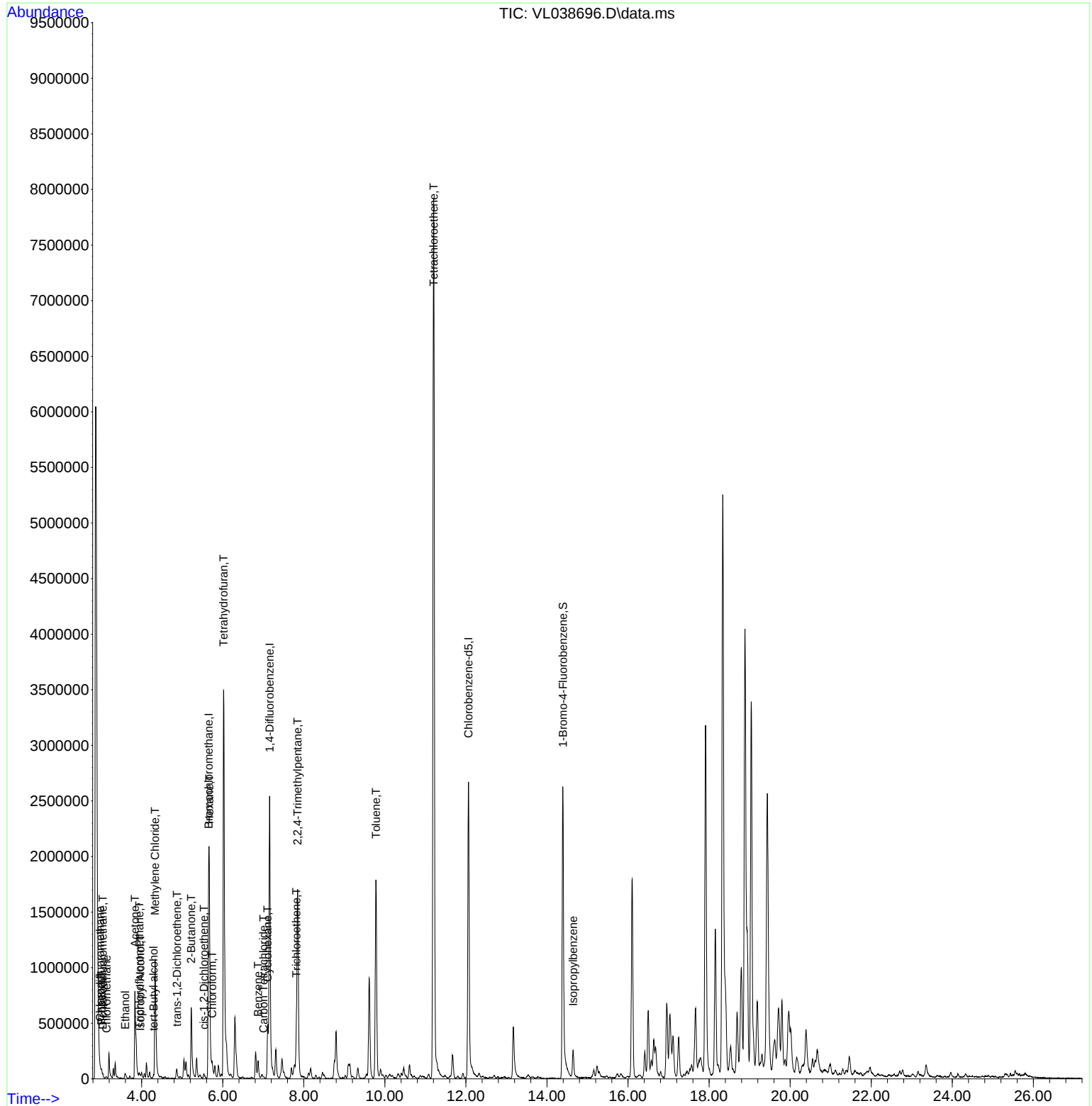
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
Data File : VL038696.D
Acq On : 22 Mar 2022 23:04
Operator : SY/AP
Sample : N1961-15
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

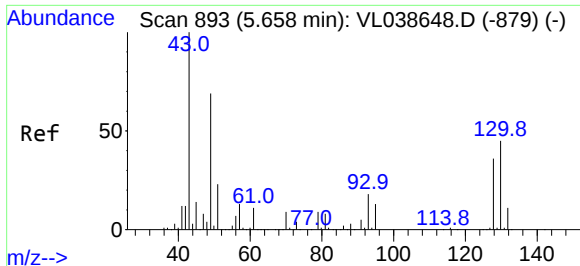
Instrument :
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ClientSampleId :
C0P78

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Supervised By :Mahesh Dadoda 03/25/2022

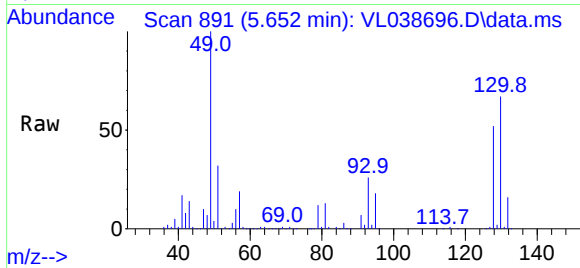
Quant Time: Mar 23 04:17:35 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

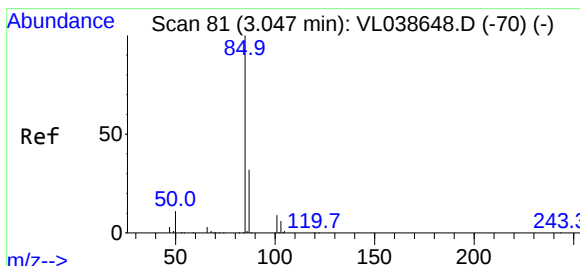
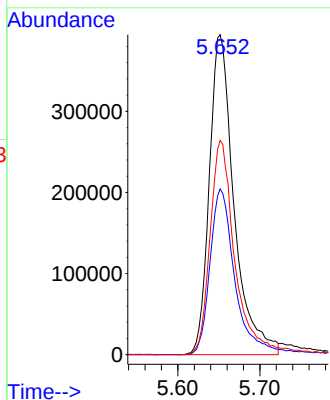
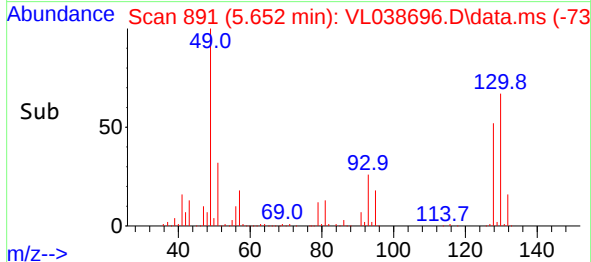
Instrument :
MSVOA_L
ClientSampleId :
COP78



Tgt Ion: 49 Resp: 827820
Ion Ratio Lower Upper
49 100
128 54.0 26.2 78.6
130 69.5 33.7 101.1

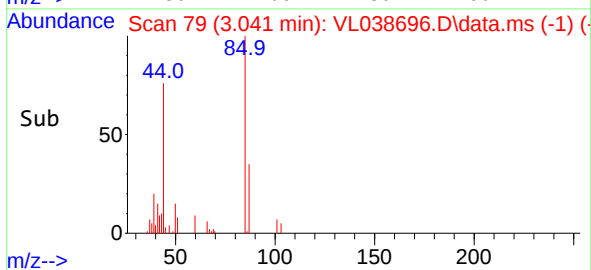
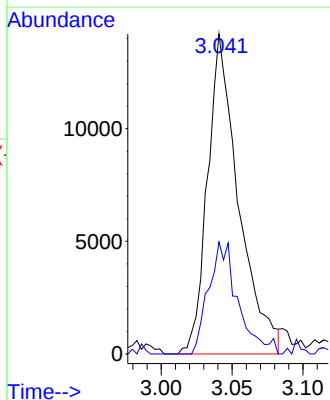
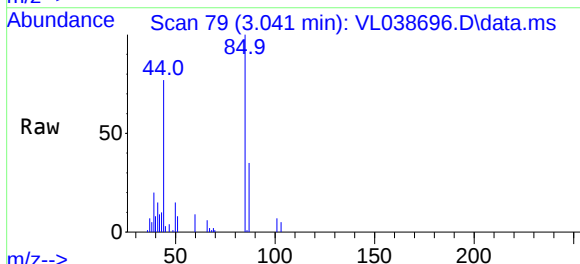
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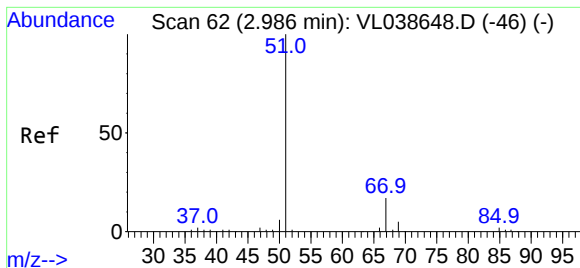
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#2
Dichlorodifluoromethane
Concen: 0.195 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

Tgt Ion: 85 Resp: 21664
Ion Ratio Lower Upper
85 100
87 35.0 26.0 39.0





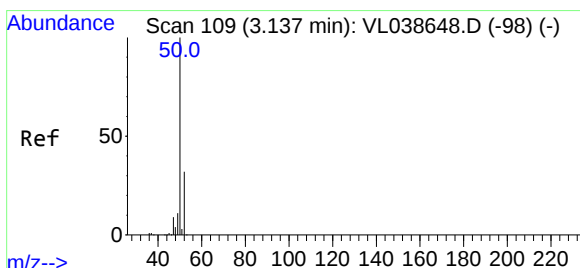
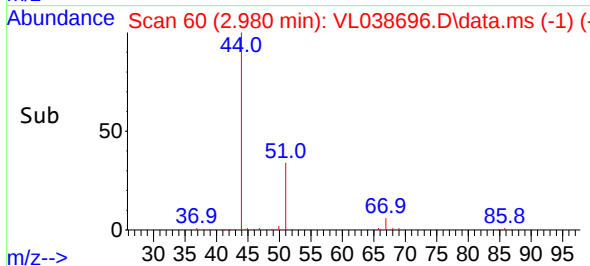
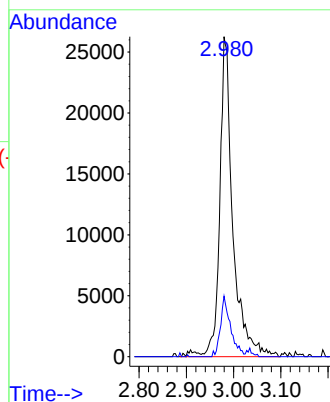
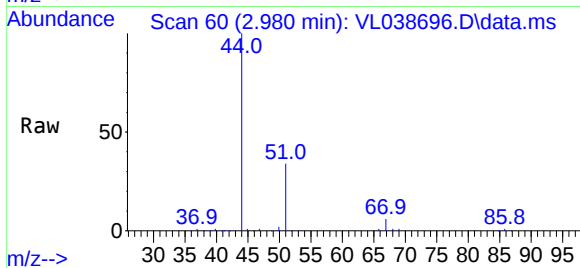
#3
Chlorodifluoromethane
Concen: 0.581 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

Instrument :
MSVOA_L
ClientSampleId :
COP78

Tgt Ion: 51 Resp: 50809
Ion Ratio Lower Upper
51 100
67 15.7 14.1 21.1

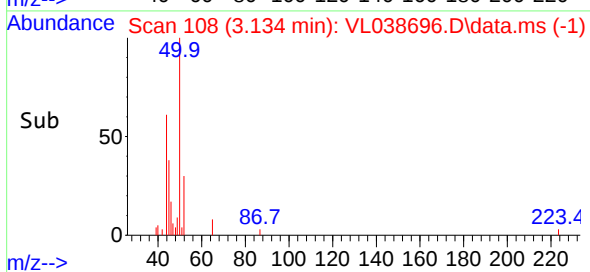
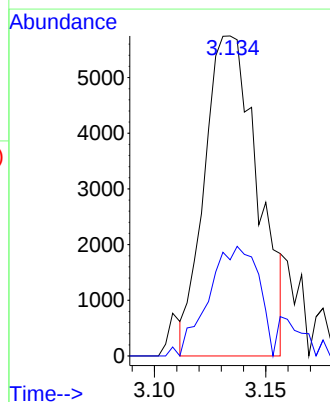
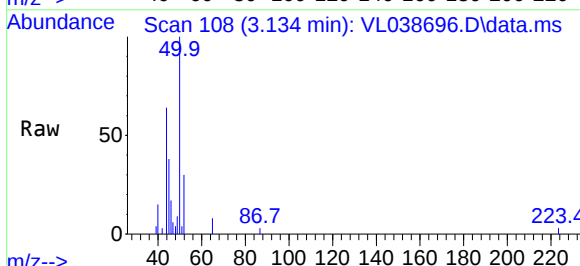
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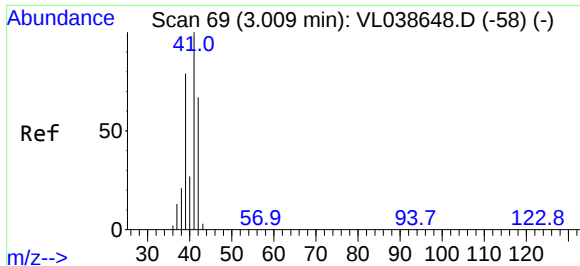
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#4
Chloromethane
Concen: 0.199 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.003 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

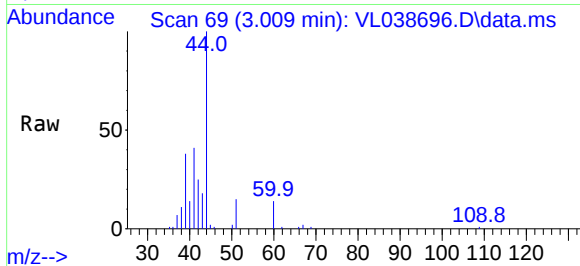
Tgt Ion: 50 Resp: 9556
Ion Ratio Lower Upper
50 100
52 33.7 25.5 38.3





#9
 Propene
 Concen: 0.596 ppbv
 RT: 3.009 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL038696.D
 Acq: 22 Mar 2022 23:04

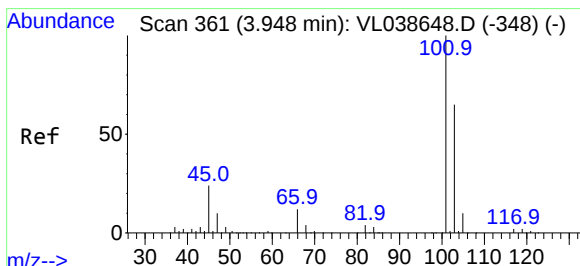
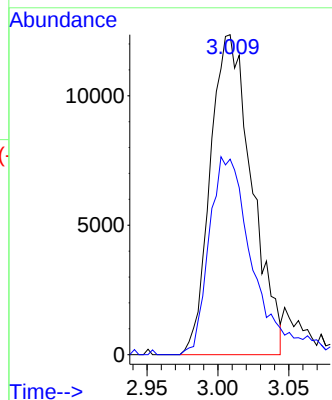
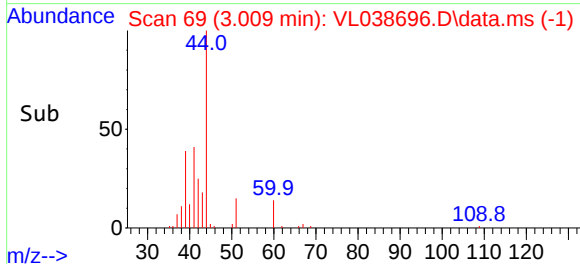
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P78



Tgt Ion: 41 Resp: 25144
 Ion Ratio Lower Upper
 41 100
 42 66.9 56.2 84.4

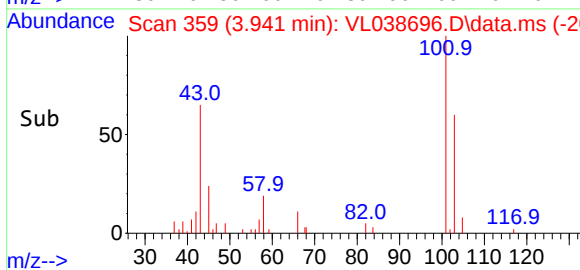
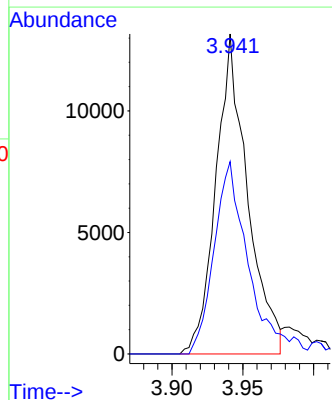
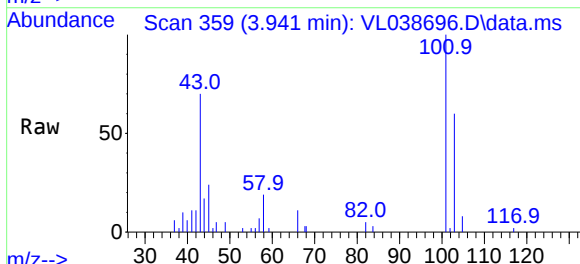
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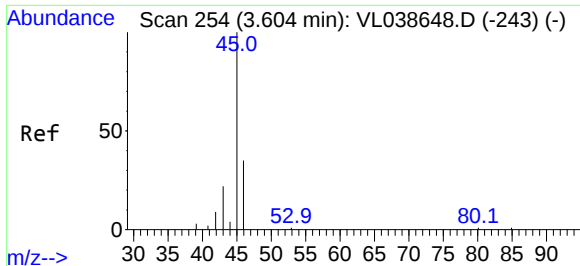
Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022



#11
 Trichlorofluoromethane
 Concen: 0.208 ppbv
 RT: 3.941 min Scan# 359
 Delta R.T. -0.007 min
 Lab File: VL038696.D
 Acq: 22 Mar 2022 23:04

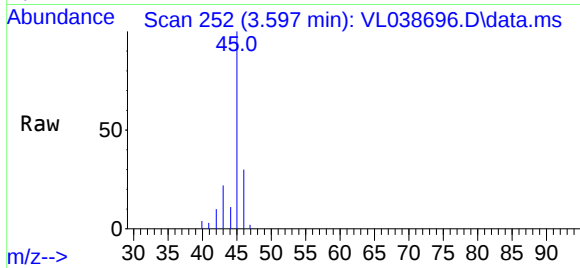
Tgt Ion:101 Resp: 20423
 Ion Ratio Lower Upper
 101 100
 103 60.1 51.9 77.9





#13
Ethanol
Concen: 13.628 ppbv m
RT: 3.597 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

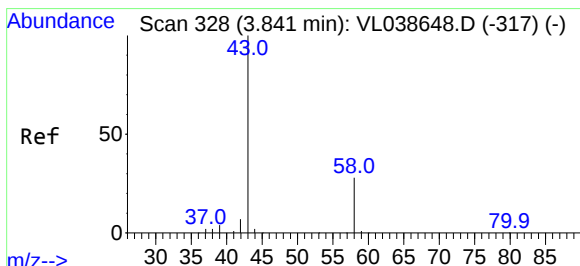
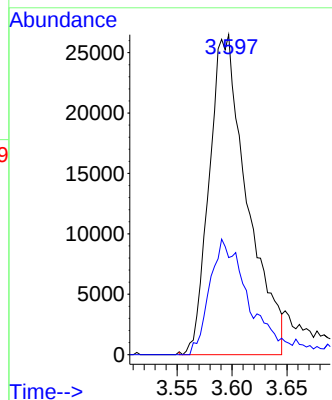
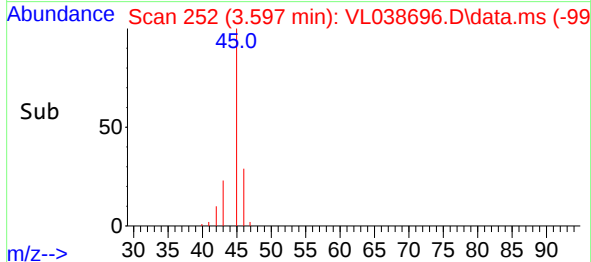
Instrument :
MSVOA_L
ClientSampleId :
COP78



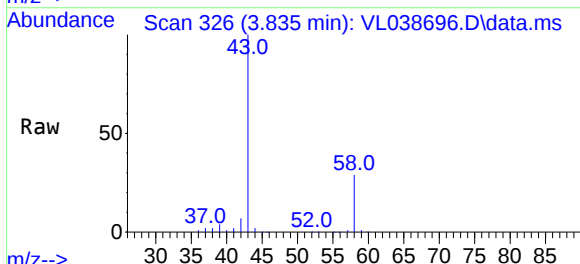
Tgt Ion: 45 Resp: 63454
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.5

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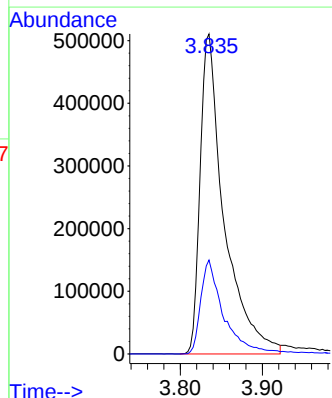
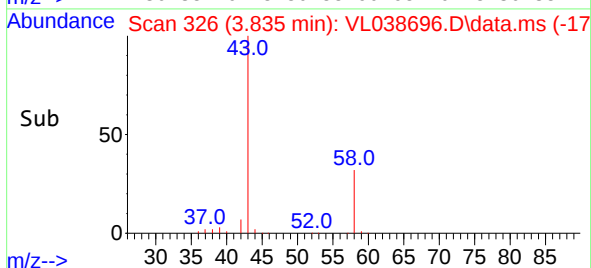
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

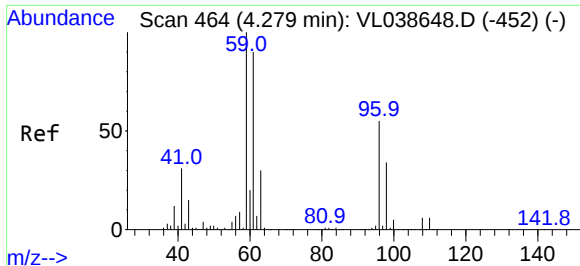


#15
Acetone
Concen: 14.515 ppbv
RT: 3.835 min Scan# 326
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04



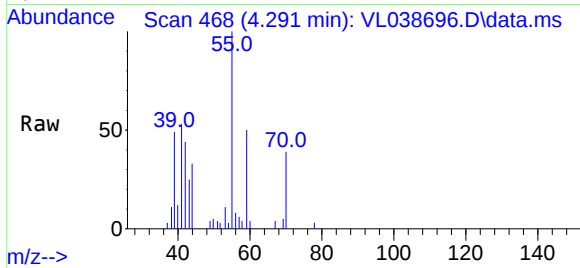
Tgt Ion: 43 Resp: 1036822
Ion Ratio Lower Upper
43 100
58 29.0 23.3 34.9





#17
tert-Butyl alcohol
Concen: 0.135 ppbv m
RT: 4.291 min Scan# 468
Delta R.T. 0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

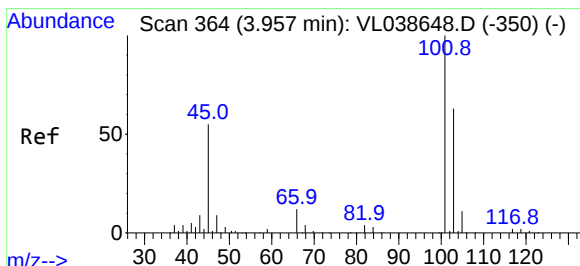
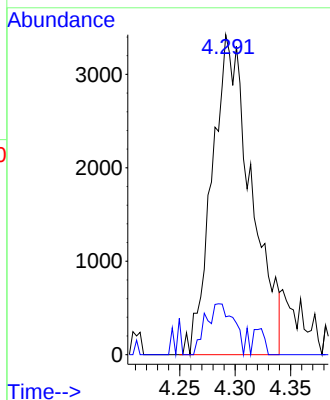
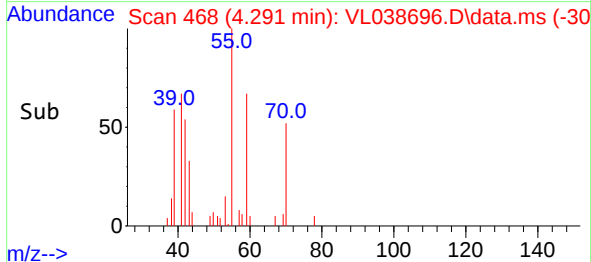
Instrument :
MSVOA_L
ClientSampleId :
COP78



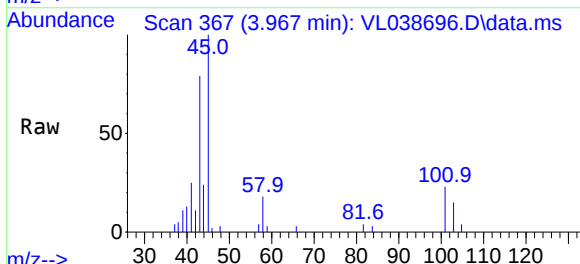
Tgt Ion: 59 Resp: 8428
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

Manual Integrations
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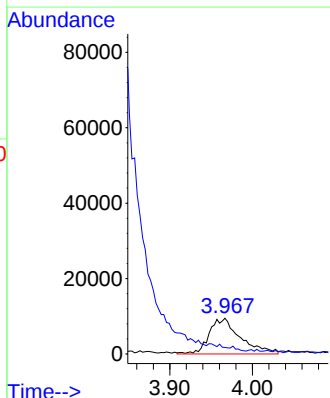
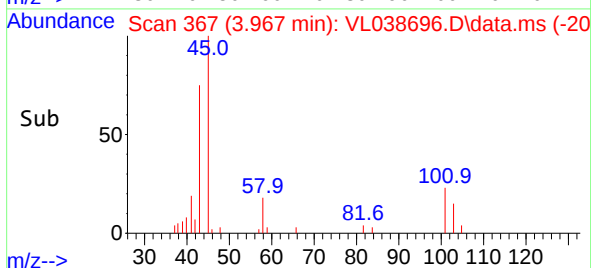
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

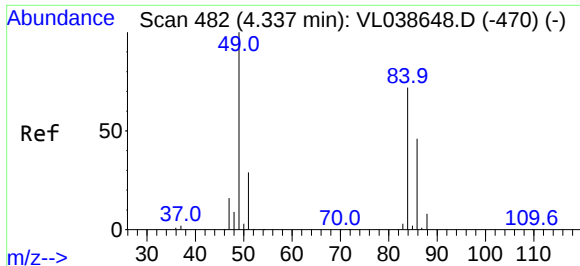


#19
Isopropyl Alcohol
Concen: 0.629 ppbv m
RT: 3.967 min Scan# 367
Delta R.T. 0.009 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04



Tgt Ion: 45 Resp: 24906
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20

Methylene Chloride

Concen: 15.914 ppbv

RT: 4.330 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL038696.D

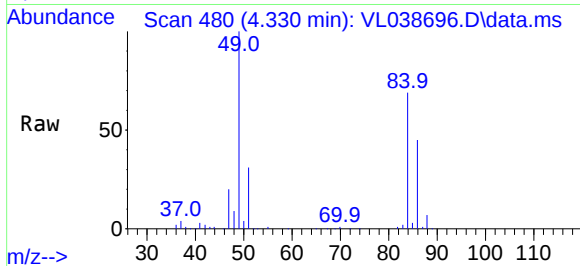
Acq: 22 Mar 2022 23:04

Instrument :

MSVOA_L

ClientSampleId :

C0P78



Tgt Ion: 84 Resp: 47878

Ion Ratio Lower Upper

84 100

49 143.9 111.2 166.8

51 45.1 32.8 49.2

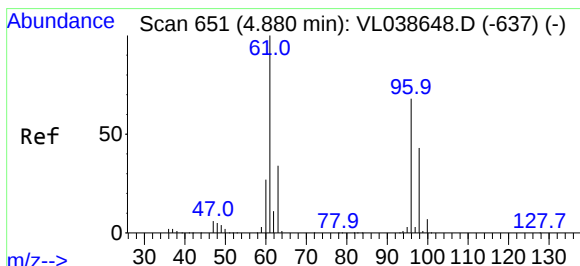
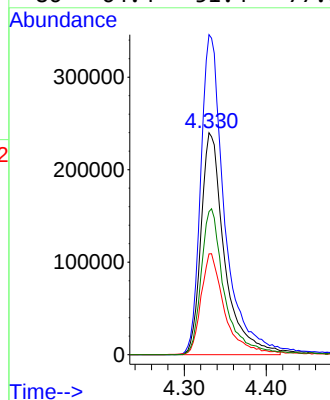
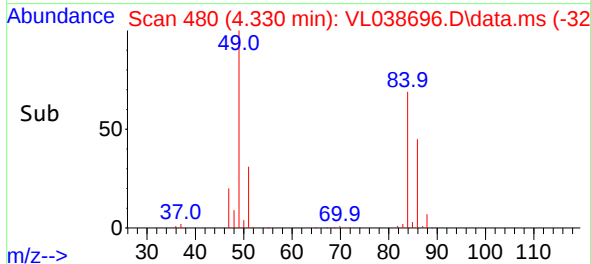
86 64.4 51.4 77.0

Manual Integrations

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Supervised By :Mahesh Dadoda 03/25/2022



#22

trans-1,2-Dichloroethene

Concen: 0.375 ppbv

RT: 4.873 min Scan# 649

Delta R.T. -0.007 min

Lab File: VL038696.D

Acq: 22 Mar 2022 23:04

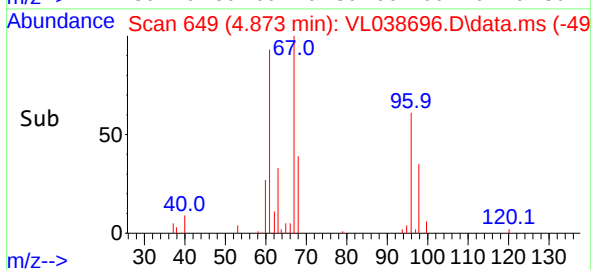
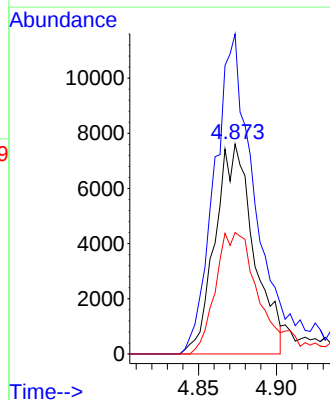
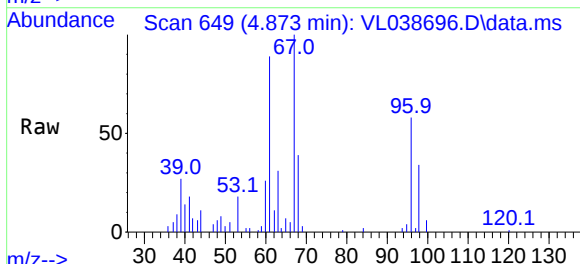
Tgt Ion: 96 Resp: 13198

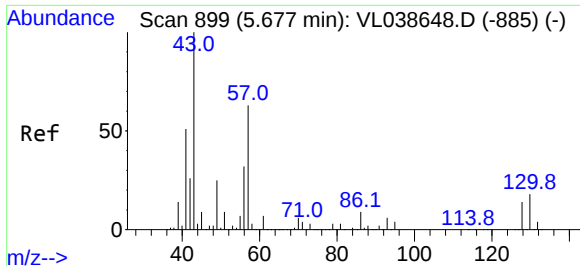
Ion Ratio Lower Upper

96 100

61 152.4 118.3 177.5

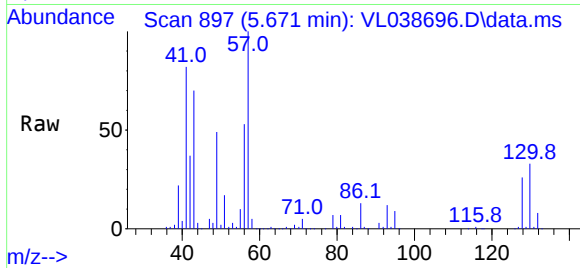
98 57.8 51.3 76.9





#26
Hexane
Concen: 7.819 ppbv
RT: 5.671 min Scan# 899
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

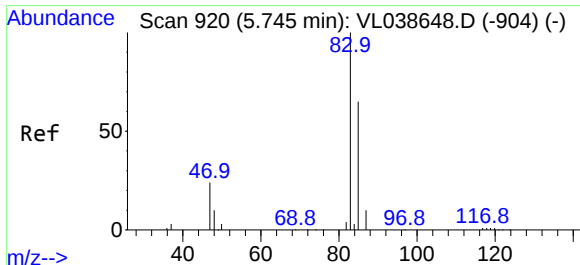
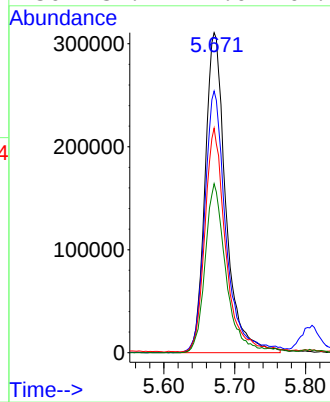
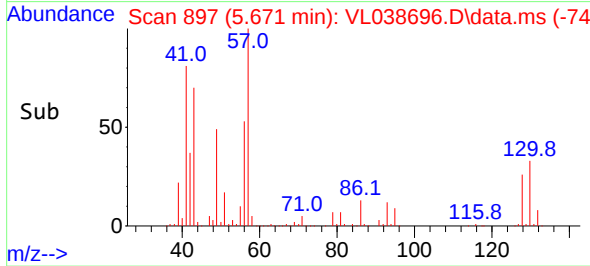
Instrument :
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ClientSampleId :
COP78



Tgt Ion: 57 Resp: 629454
Ion Ratio Lower Upper
57 100
41 84.6 67.0 100.4
43 69.9 184.2 276.2
56 54.1 42.6 64.0

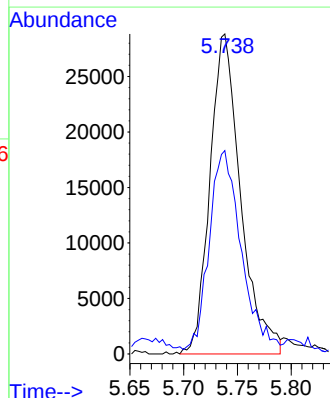
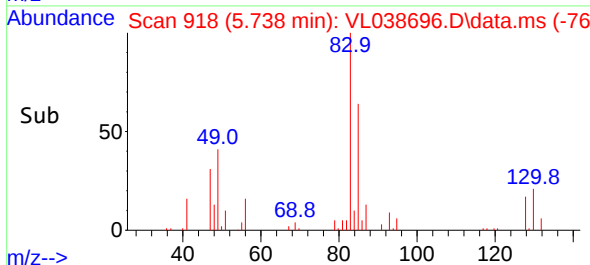
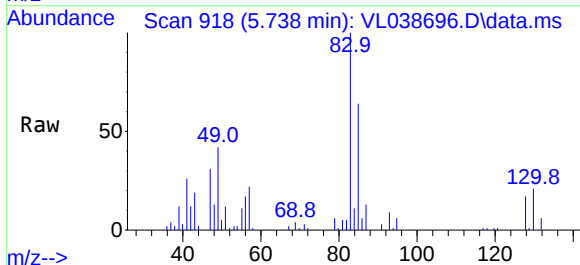
Manual Integrations
APPROVED

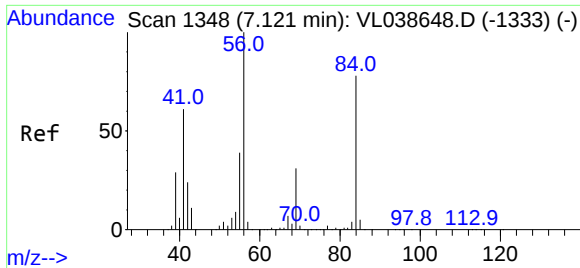
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#29
Chloroform
Concen: 0.445 ppbv
RT: 5.738 min Scan# 918
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

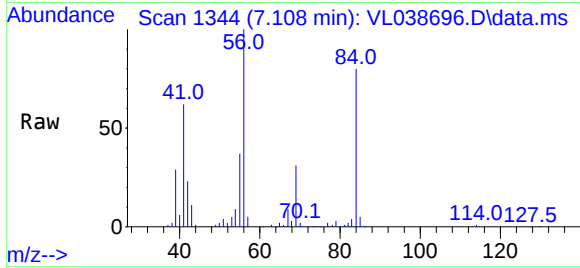
Tgt Ion: 83 Resp: 57335
Ion Ratio Lower Upper
83 100
85 61.3 51.7 77.5





#30
Cyclohexane
Concen: 2.715 ppbv
RT: 7.108 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

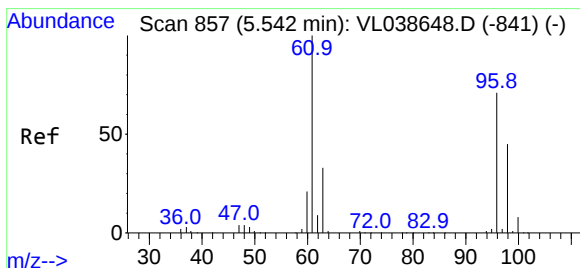
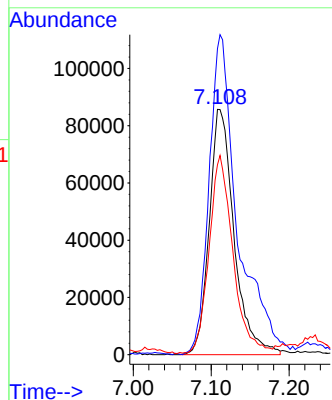
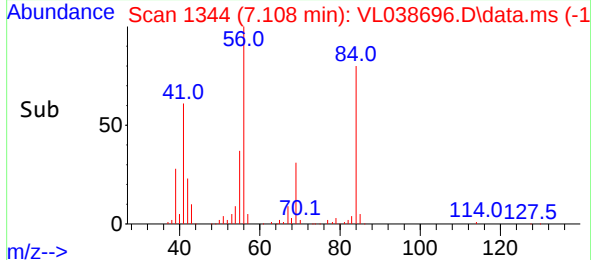
Instrument :
MSVOA_L
ClientSampleId :
COP78



Tgt Ion: 84 Resp: 190010
Ion Ratio Lower Upper
84 100
56 148.8 108.2 162.4
41 76.8 61.8 92.6

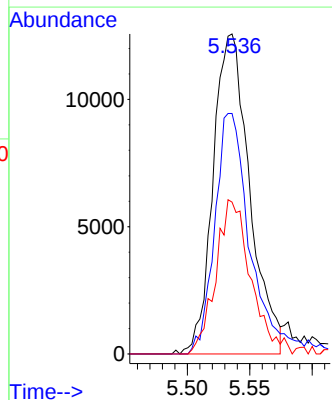
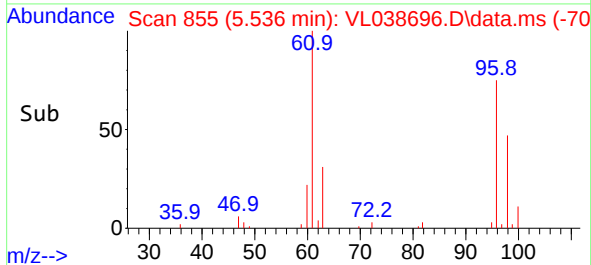
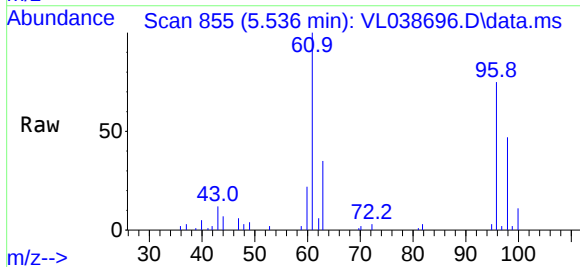
Manual Integrations
APPROVED

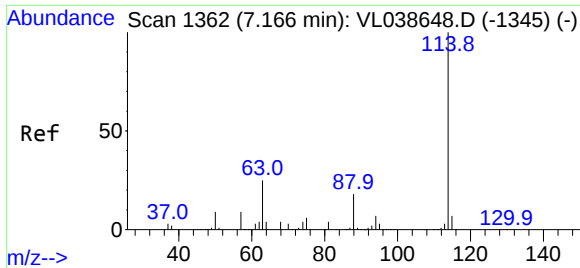
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#31
cis-1,2-Dichloroethene
Concen: 0.338 ppbv
RT: 5.536 min Scan# 855
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

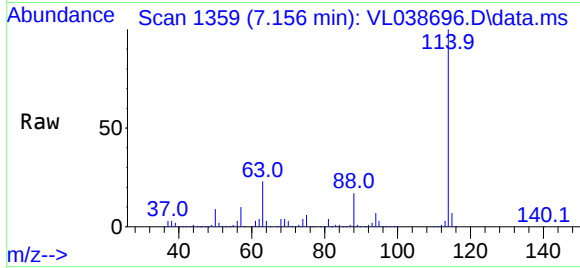
Tgt Ion: 61 Resp: 25590
Ion Ratio Lower Upper
61 100
96 75.2 56.6 84.8
98 47.5 36.3 54.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 1114
Delta R.T. -0.010 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

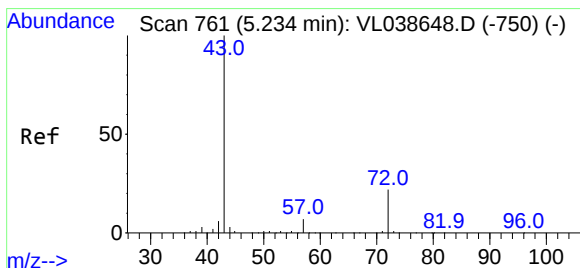
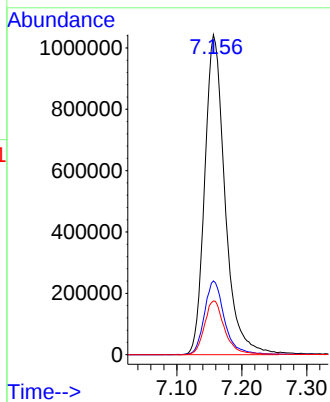
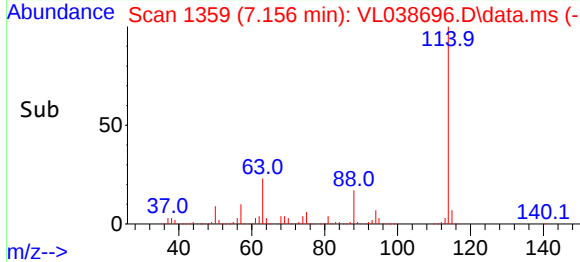
Instrument :
MSVOA_L
ClientSampleId :
COP78



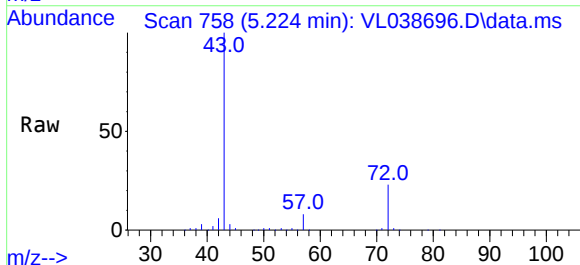
Tgt Ion:114 Resp: 2267460
Ion Ratio Lower Upper
114 100
63 23.1 19.4 29.0
88 16.9 13.9 20.9

Manual Integrations
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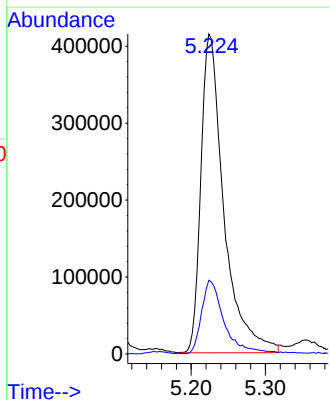
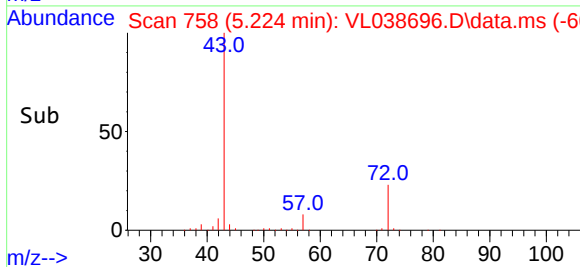
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

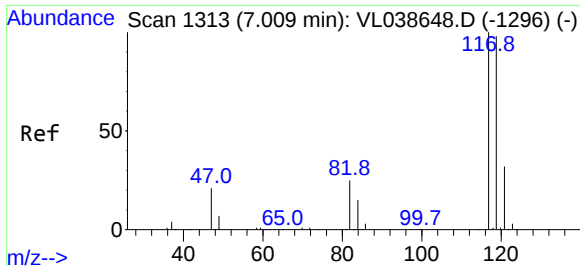


#34
2-Butanone
Concen: 9.906 ppbv
RT: 5.224 min Scan# 758
Delta R.T. -0.010 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04



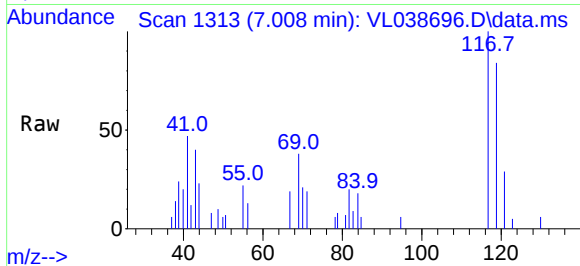
Tgt Ion: 43 Resp: 888989
Ion Ratio Lower Upper
43 100
72 23.4 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 7.008 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

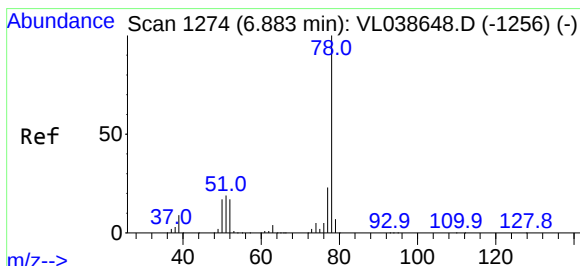
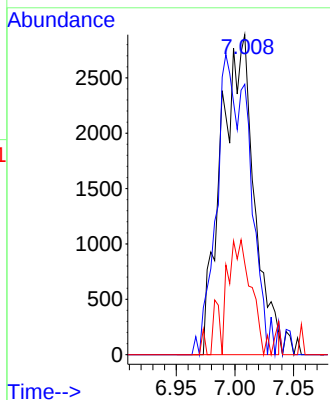
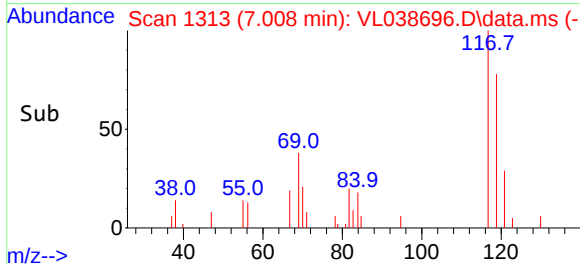
Instrument :
MSVOA_L
ClientSampleId :
COP78



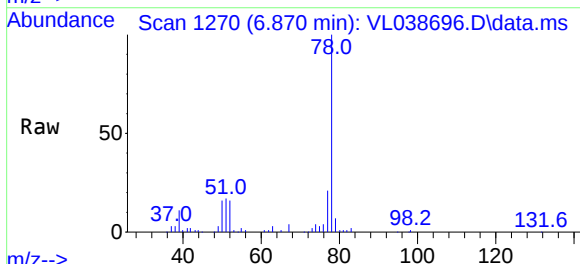
Tgt Ion:117 Resp: 565
Ion Ratio Lower Upper
117 100
119 84.5 78.1 117.1
121 28.5 25.8 38.6

Manual Integrations
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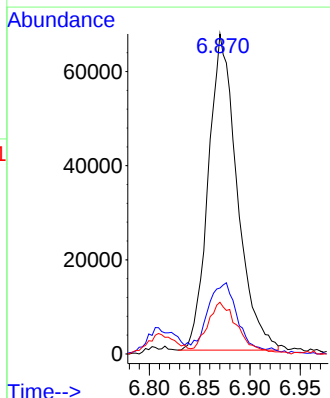
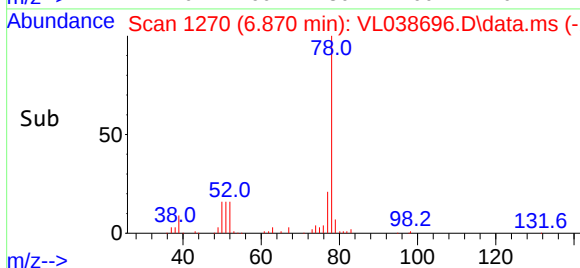
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

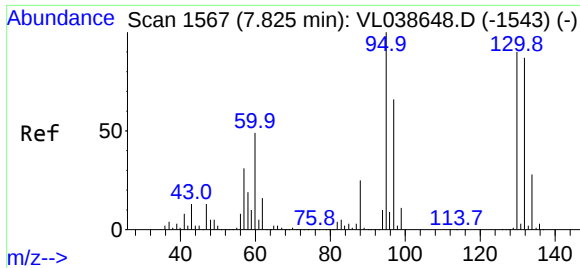


#36
Benzene
Concen: 0.765 ppbv
RT: 6.870 min Scan# 1270
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04



Tgt Ion: 78 Resp: 133803
Ion Ratio Lower Upper
78 100
77 19.9 18.1 27.1
50 15.7 13.6 20.4





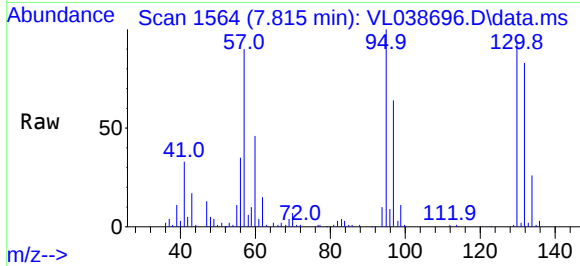
#38
 Trichloroethene
 Concen: 1.740 ppbv
 RT: 7.815 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL038696.D
 Acq: 22 Mar 2022 23:04

Instrument :

MSVOA_L

ClientSampleId :

C0P78

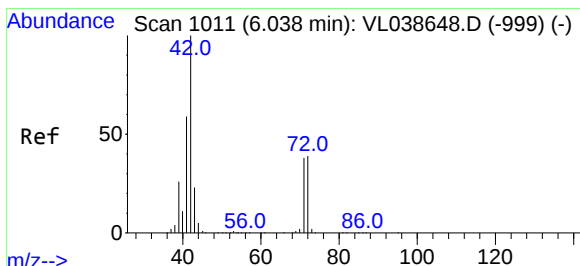
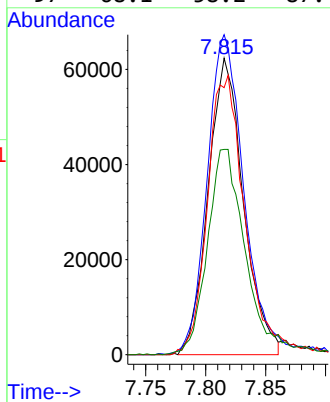
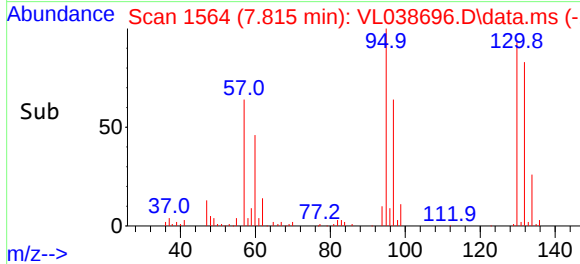


Tgt Ion:130 Resp: 127554
 Ion Ratio Lower Upper
 130 100
 95 106.6 88.9 133.3
 132 88.2 77.4 116.0
 97 68.1 58.2 87.4

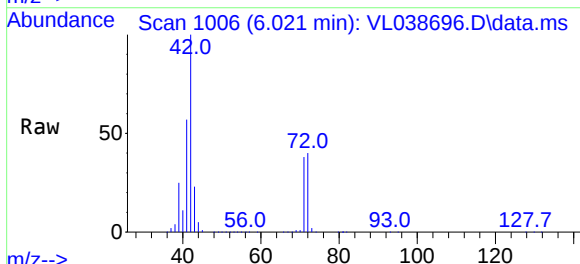
Manual Integrations

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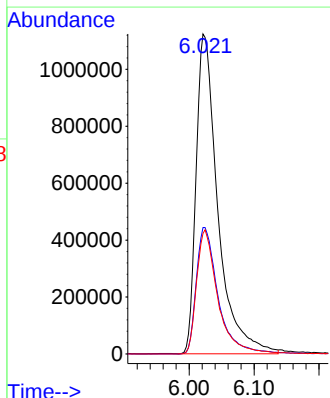
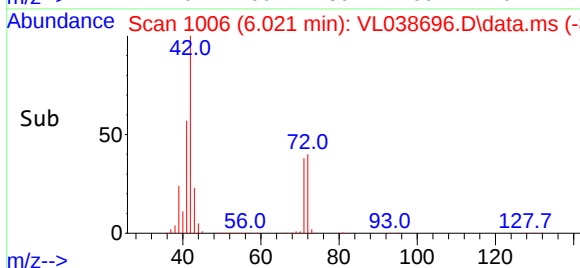
Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

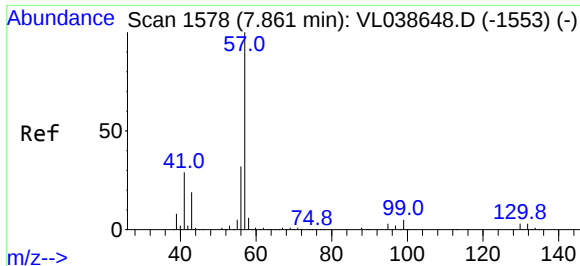


#41
 Tetrahydrofuran
 Concen: 39.178 ppbv
 RT: 6.021 min Scan# 1006
 Delta R.T. -0.016 min
 Lab File: VL038696.D
 Acq: 22 Mar 2022 23:04



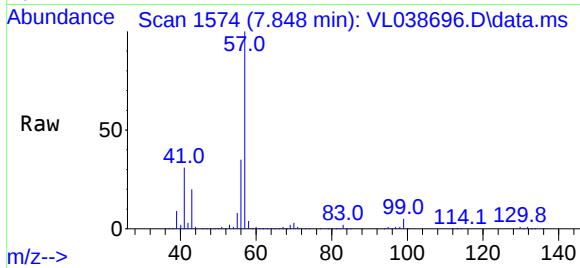
Tgt Ion: 42 Resp: 2616870
 Ion Ratio Lower Upper
 42 100
 72 40.3 32.5 48.7
 71 38.5 31.4 47.2





#44
2,2,4-Trimethylpentane
Concen: 5.891 ppbv
RT: 7.848 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

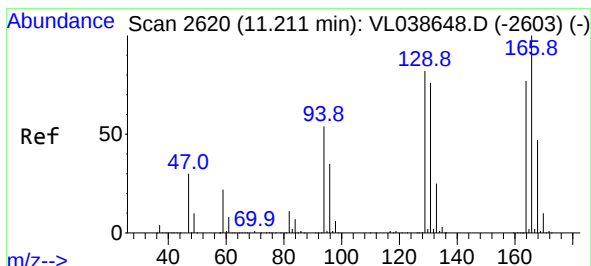
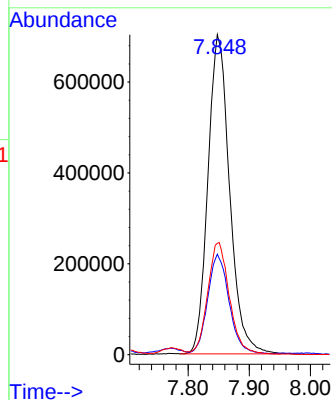
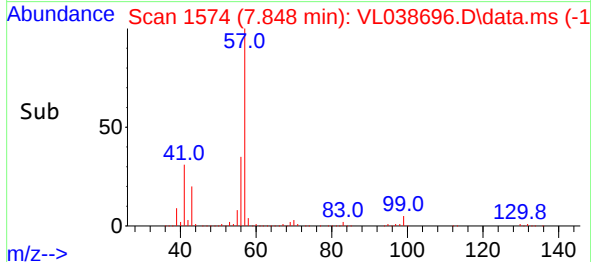
Instrument :
MSVOA_L
ClientSampleId :
COP78



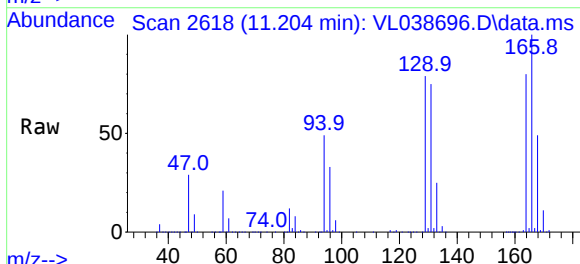
Tgt Ion: 57 Resp: 173090
Ion Ratio Lower Upper
57 100
41 30.6 23.0 34.4
56 35.6 25.3 37.9

Manual Integrations
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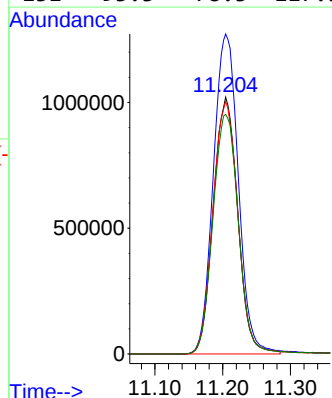
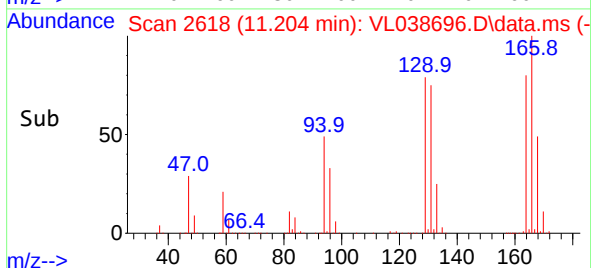
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

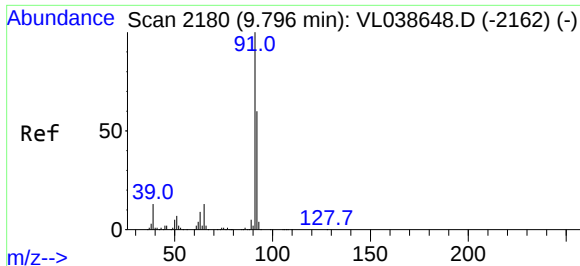


#52
Tetrachloroethene
Concen: 40.030 ppbv
RT: 11.204 min Scan# 2618
Delta R.T. -0.007 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04



Tgt Ion:164 Resp: 2563529
Ion Ratio Lower Upper
164 100
166 124.6 103.3 154.9
129 98.4 85.2 127.8
131 93.3 78.3 117.5





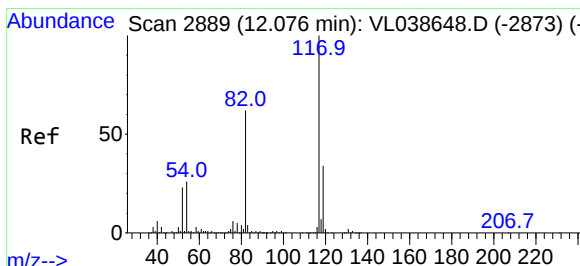
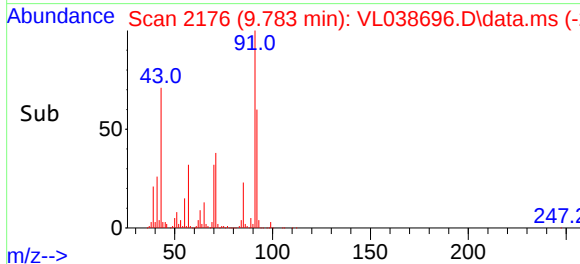
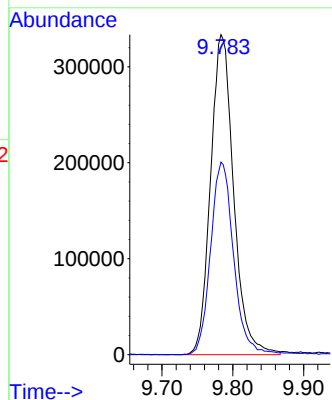
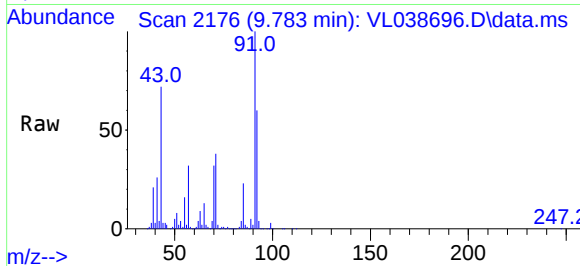
#53
Toluene
Concen: 4.009 ppbv
RT: 9.783 min Scan# 2180
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

Instrument :
MSVOA_L
ClientSampleId :
COP78

Tgt Ion: 91 Resp: 75376
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1

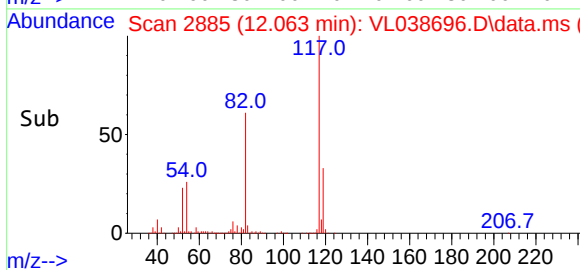
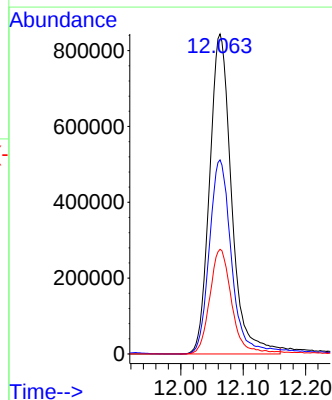
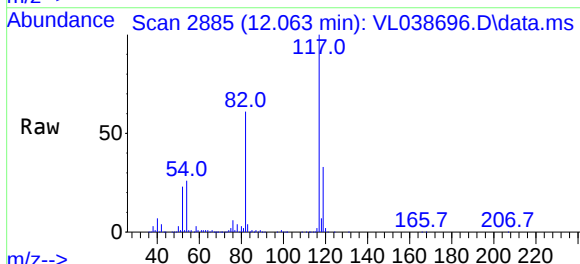
Manual Integrations
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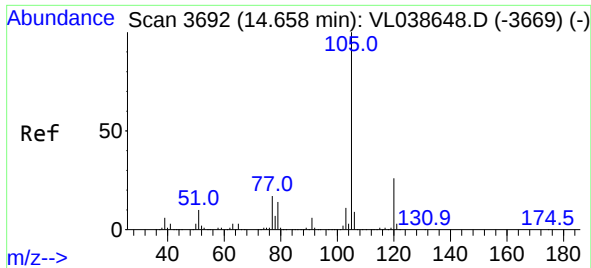
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 2885
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

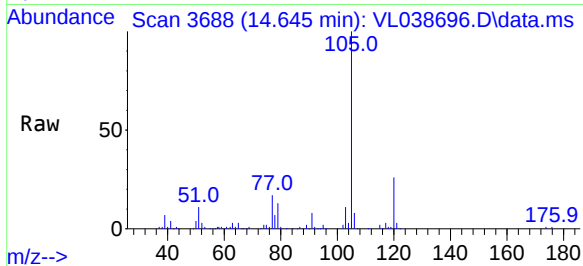
Tgt Ion:117 Resp: 2063868
Ion Ratio Lower Upper
117 100
82 63.1 51.6 77.4
119 33.4 26.9 40.3





#62
Isopropylbenzene
Concen: 0.779 ppbv
RT: 14.645 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

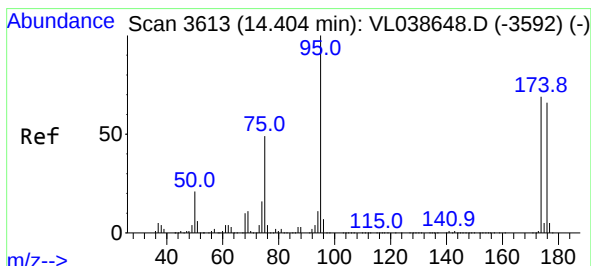
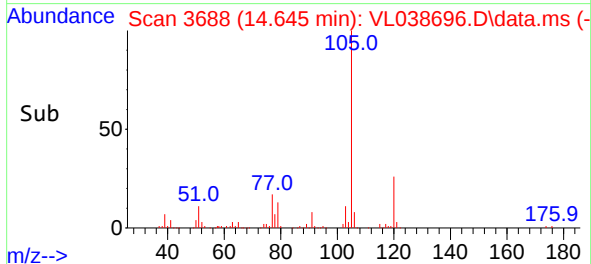
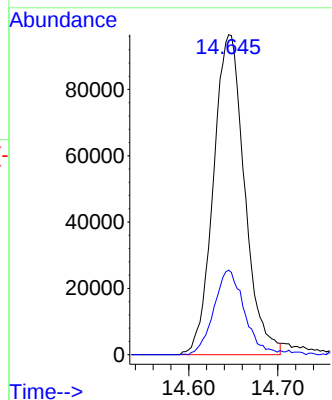
Instrument :
MSVOA_L
ClientSampleId :
COP78



Tgt Ion:105 Resp: 234580
Ion Ratio Lower Upper
105 100
120 26.5 21.2 31.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.674 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.010 min
Lab File: VL038696.D
Acq: 22 Mar 2022 23:04

Tgt Ion: 95 Resp: 1530700
Ion Ratio Lower Upper
95 100
174 72.3 56.1 84.1
175 5.5 4.2 6.2

