

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038784.D
 Acq On : 28 Mar 2022 23:39
 Operator : SY/AP
 Sample : N2121-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:14:16 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 2022

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	5.665	49	696262	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	1896487	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	1665088	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1183741	9.273	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.050	85	17875	0.191	ppbv	98
3) Chlorodifluoromethane	2.989	51	9699m	0.132	ppbv	
4) Chloromethane	3.140	50	10367	0.257	ppbv	93
11) Trichlorofluoromethane	3.951	101	27821	0.337	ppbv	87
13) Ethanol	3.613	45	25209m	6.437	ppbv	
15) Acetone	3.858	43	115552m	1.923	ppbv	
20) Methylene Chloride	4.349	84	28533	1.128	ppbv	93
27) Carbon Disulfide	4.549	76	9108m	0.137	ppbv	
29) Chloroform	5.745	83	277646	2.561	ppbv	96
34) 2-Butanone	5.253	43	117412m	1.564	ppbv	
38) Trichloroethene	7.832	130	69302m	1.130	ppbv	
41) Tetrahydrofuran	6.063	42	51319	0.919	ppbv	94
52) Tetrachloroethene	11.217	164	3213797	60.001	ppbv	96
53) Toluene	9.796	91	1090377	6.933	ppbv	98

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

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C0PA3

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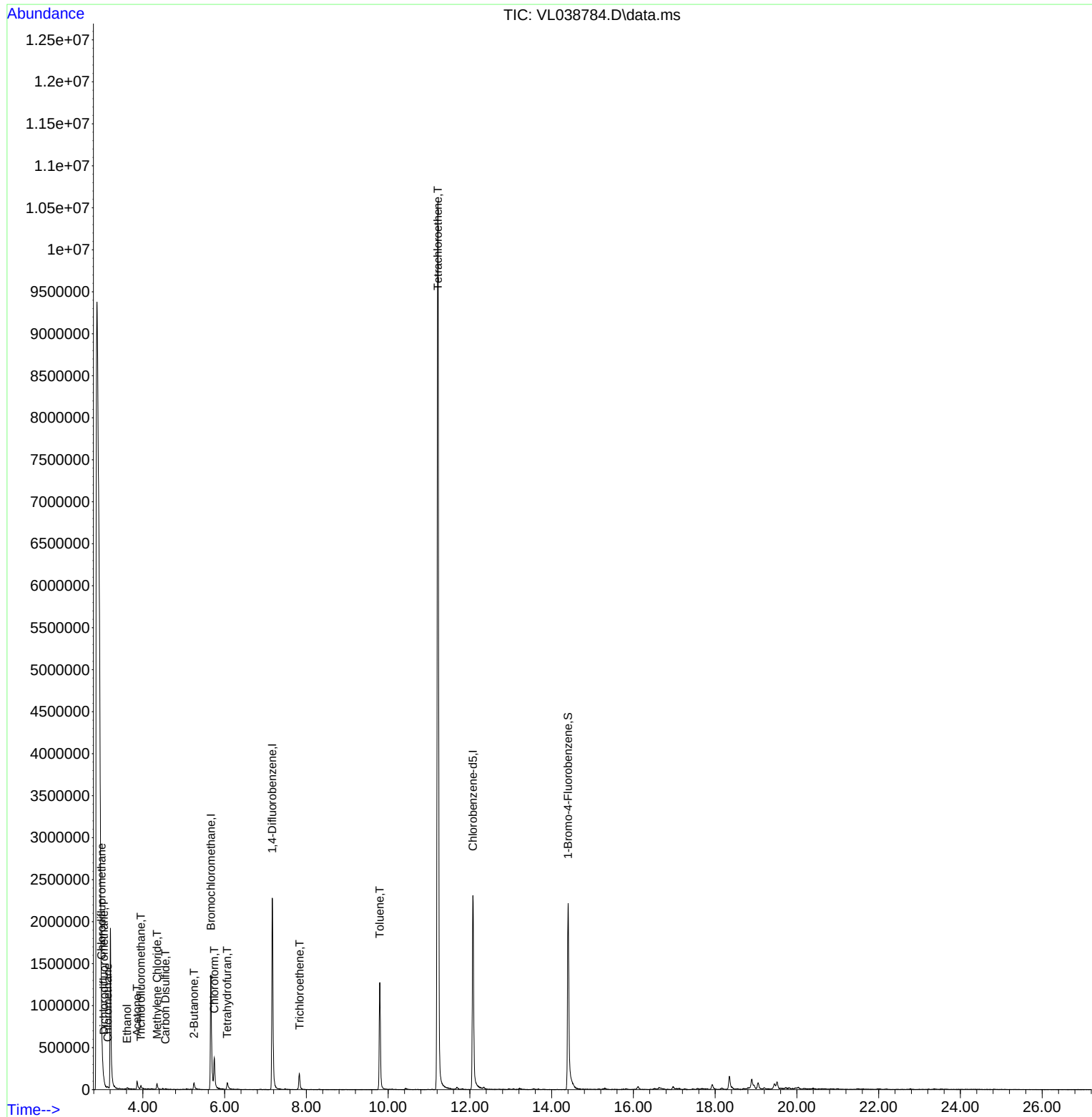
Quant Time: Mar 29 06:14:16 2022

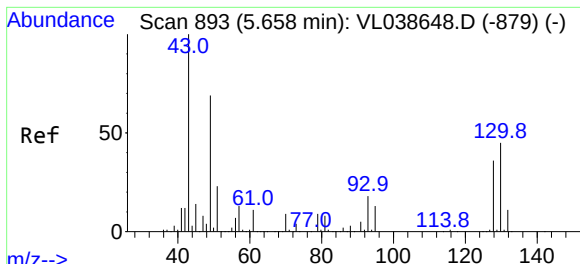
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

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

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

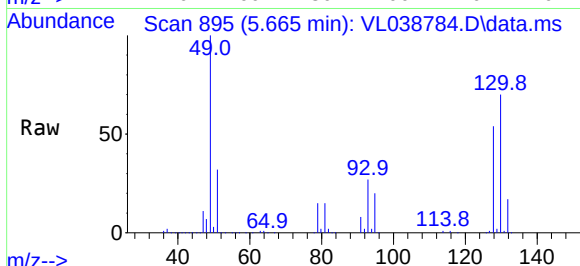
Response via : Initial Calibration





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.665 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VL038784.D
 Acq: 28 Mar 2022 23:39

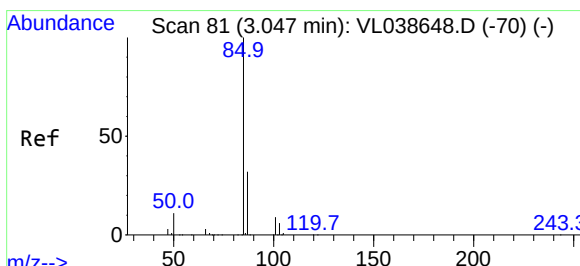
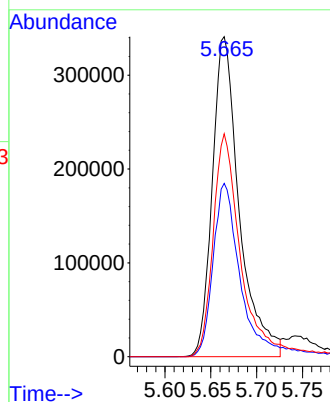
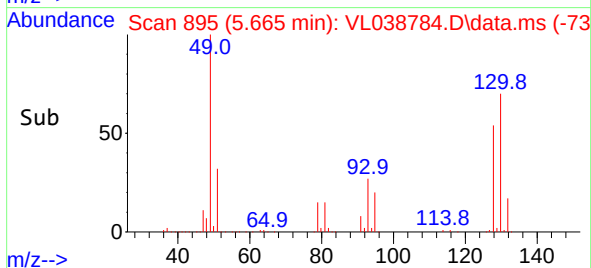
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA3



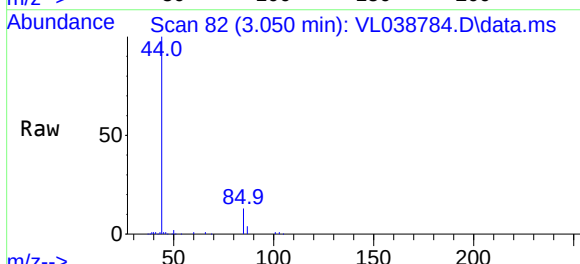
Tgt Ion: 49 Resp: 69626
 Ion Ratio Lower Upper
 49 100
 128 57.8 26.2 78.6
 130 74.4 33.7 101.1

Manual Integrations
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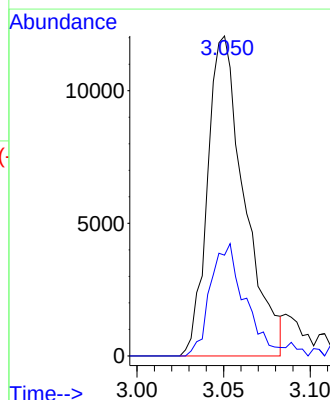
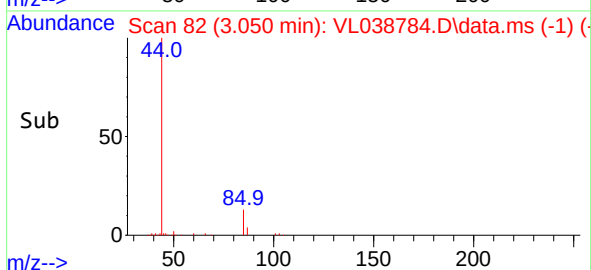
Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

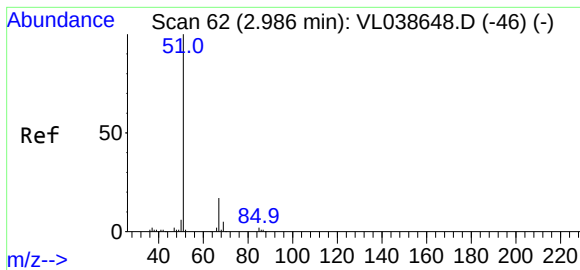


#2
 Dichlorodifluoromethane
 Concen: 0.191 ppbv
 RT: 3.050 min Scan# 82
 Delta R.T. 0.003 min
 Lab File: VL038784.D
 Acq: 28 Mar 2022 23:39



Tgt Ion: 85 Resp: 17875
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.0 39.0





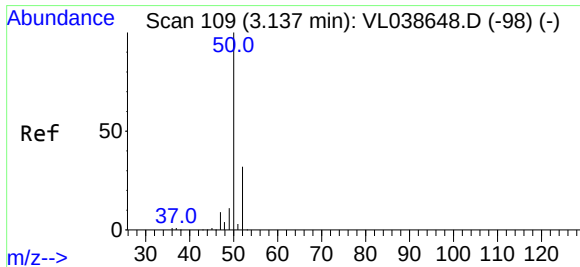
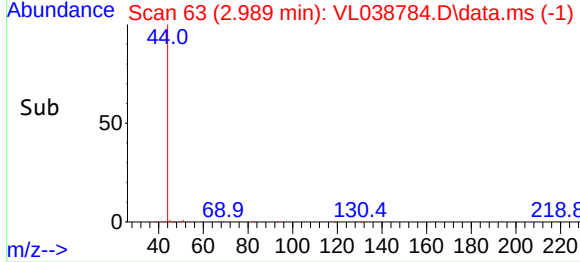
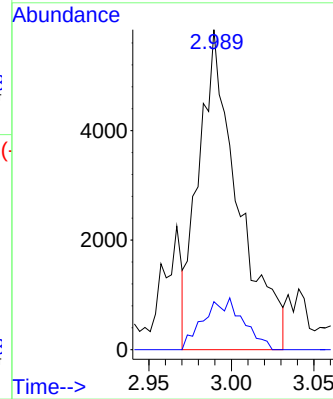
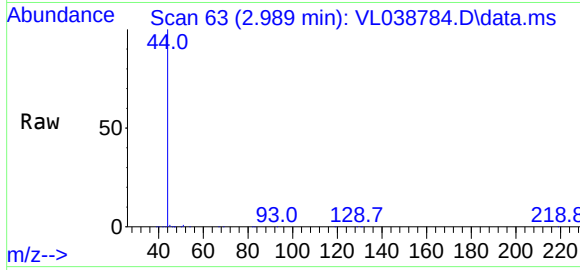
#3
Chlorodifluoromethane
Concen: 0.132 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

Instrument :
MSVOA_L
ClientSampleId :
COPA3

Tgt Ion: 51 Resp: 969
Ion Ratio Lower Upper
51 100
67 16.2 14.1 21.1

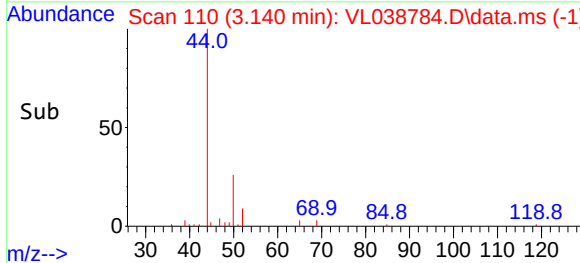
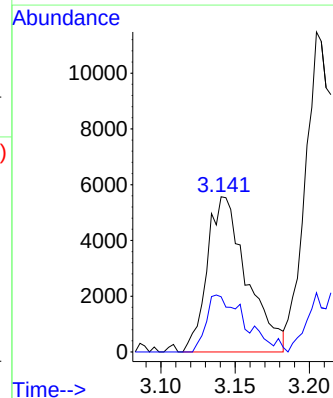
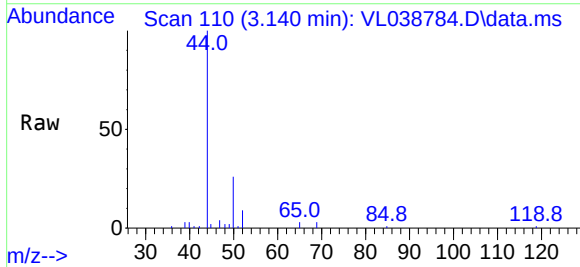
Manual Integrations
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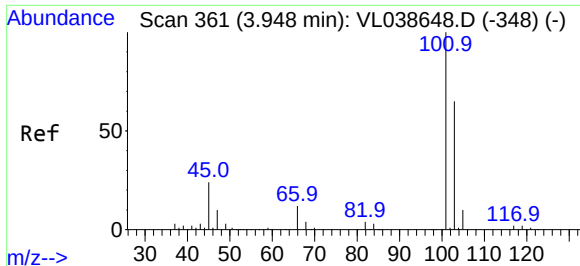
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#4
Chloromethane
Concen: 0.257 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

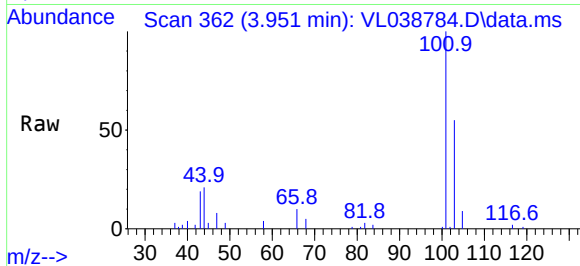
Tgt Ion: 50 Resp: 10367
Ion Ratio Lower Upper
50 100
52 35.5 25.5 38.3





#11
Trichlorofluoromethane
Concen: 0.337 ppbv
RT: 3.951 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

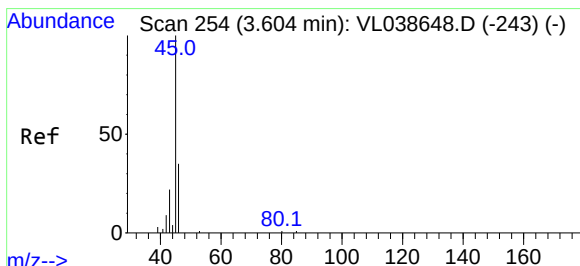
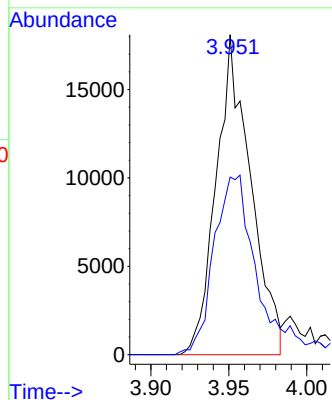
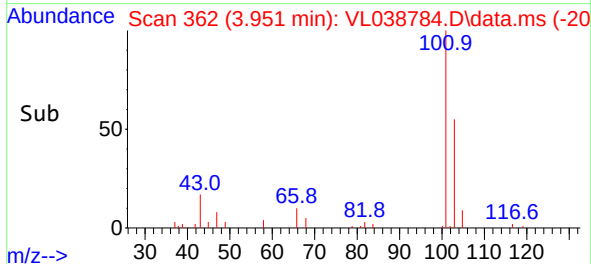
Instrument :
MSVOA_L
ClientSampleId :
COPA3



Tgt Ion:101 Resp: 2782
Ion Ratio Lower Upper
101 100
103 54.6 51.9 77.9

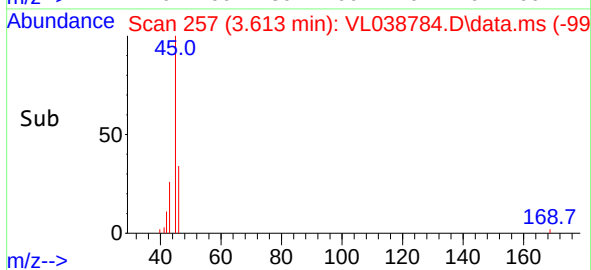
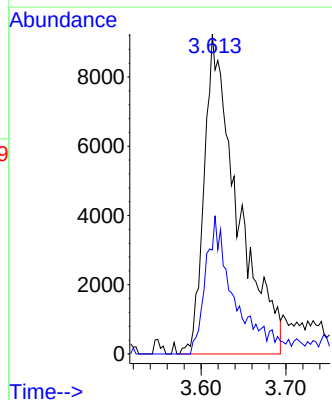
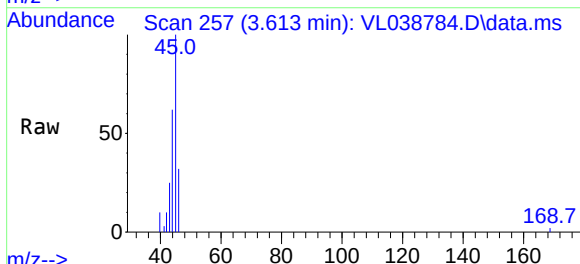
Manual Integrations
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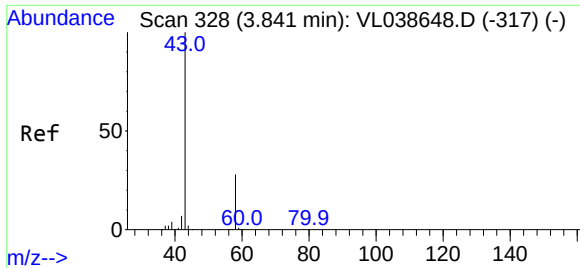
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#13
Ethanol
Concen: 6.437 ppbv m
RT: 3.613 min Scan# 257
Delta R.T. 0.010 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

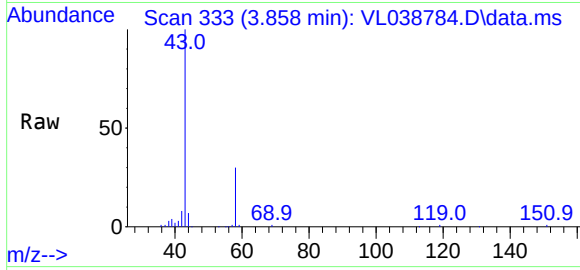
Tgt Ion: 45 Resp: 25209
Ion Ratio Lower Upper
45 100
46 0.0 15.1 60.5#





#15
Acetone
Concen: 1.923 ppbv m
RT: 3.858 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

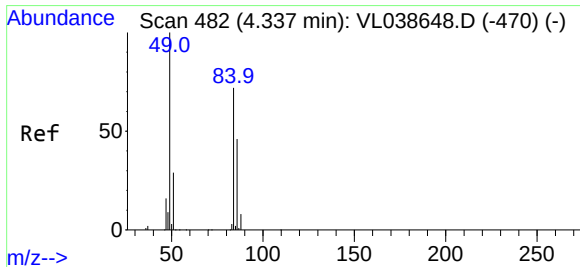
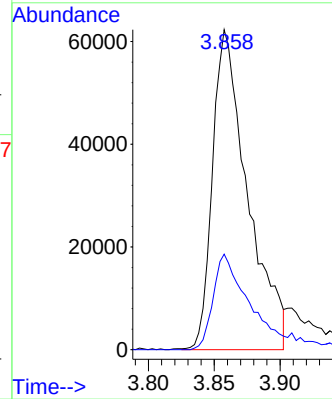
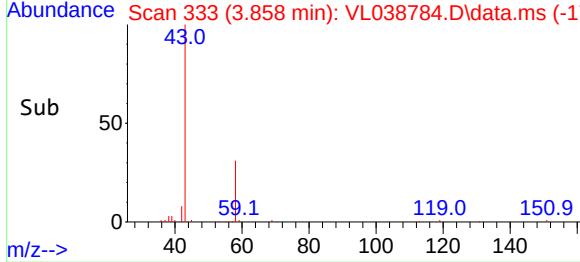
Instrument :
MSVOA_L
ClientSampleId :
COPA3



Tgt Ion: 43 Resp: 115552
Ion Ratio Lower Upper
43 100
58 35.3 23.3 34.9

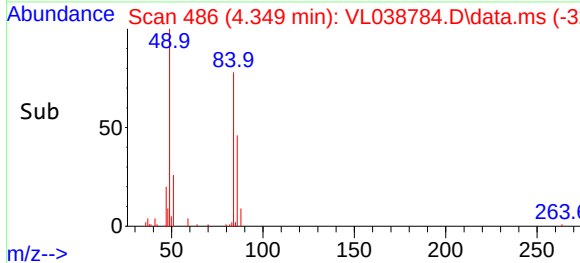
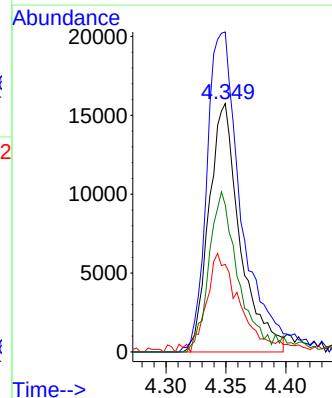
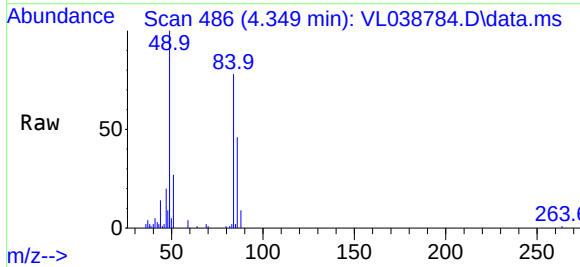
Manual Integrations
APPROVED

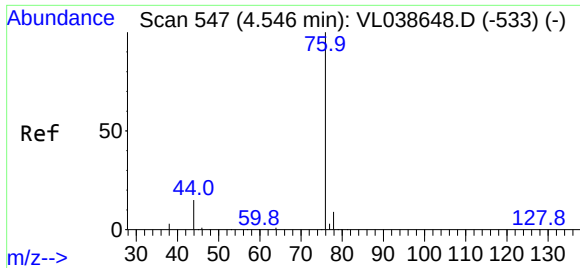
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#20
Methylene Chloride
Concen: 1.128 ppbv
RT: 4.349 min Scan# 486
Delta R.T. 0.013 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

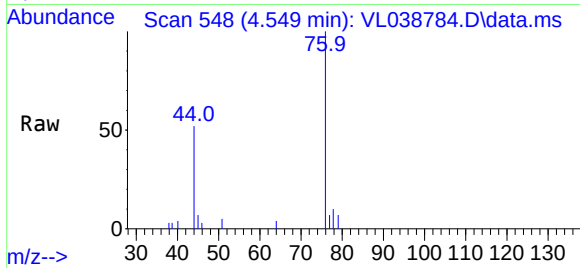
Tgt Ion: 84 Resp: 28533
Ion Ratio Lower Upper
84 100
49 133.1 111.2 166.8
51 33.4 32.8 49.2
86 59.1 51.4 77.0





#27
Carbon Disulfide
Concen: 0.137 ppbv m
RT: 4.549 min Scan# 547
Delta R.T. 0.003 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

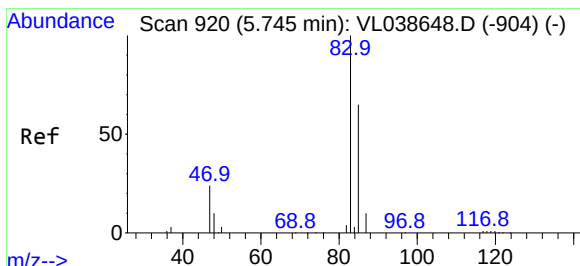
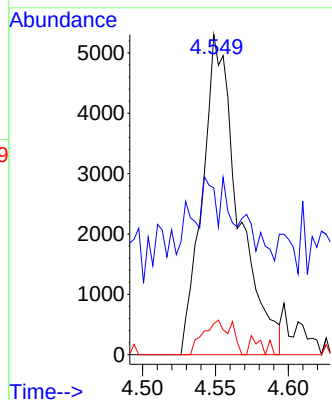
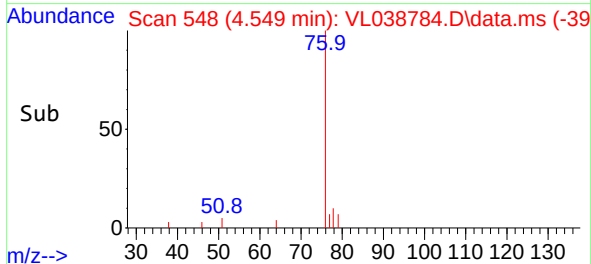
Instrument :
MSVOA_L
ClientSampleId :
COPA3



Tgt Ion: 76 Resp: 9108
Ion Ratio Lower Upper
76 100
44 61.7 12.4 18.6
78 10.4 7.8 11.8

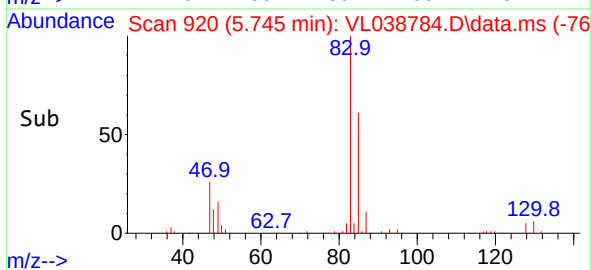
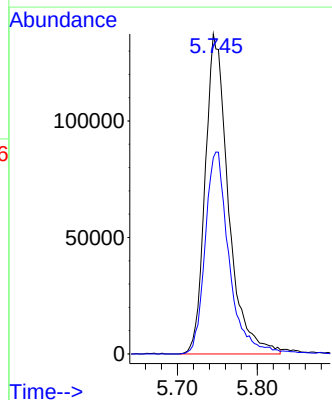
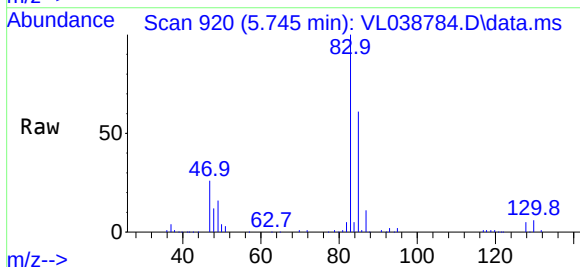
Manual Integrations
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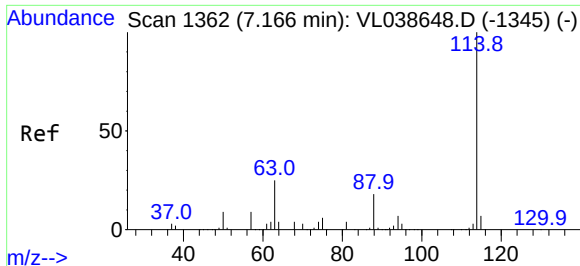
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#29
Chloroform
Concen: 2.561 ppbv
RT: 5.745 min Scan# 920
Delta R.T. -0.000 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

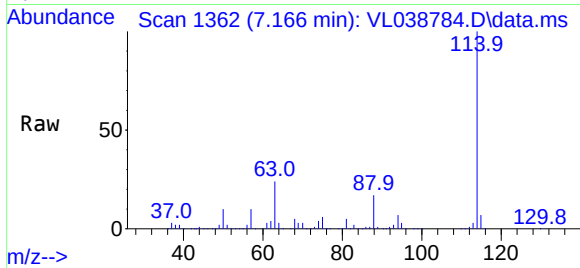
Tgt Ion: 83 Resp: 277646
Ion Ratio Lower Upper
83 100
85 61.4 51.7 77.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

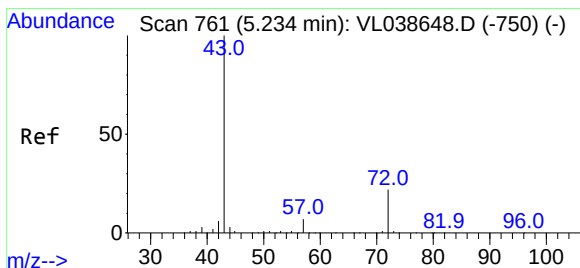
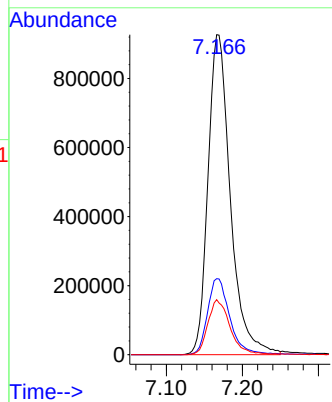
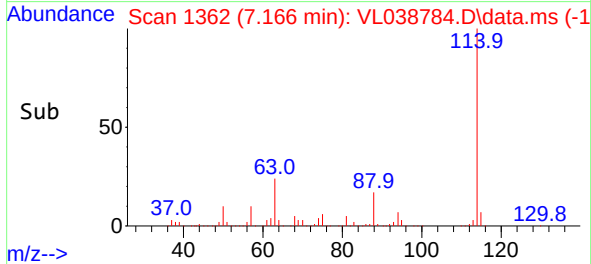
Instrument :
MSVOA_L
ClientSampleId :
COPA3



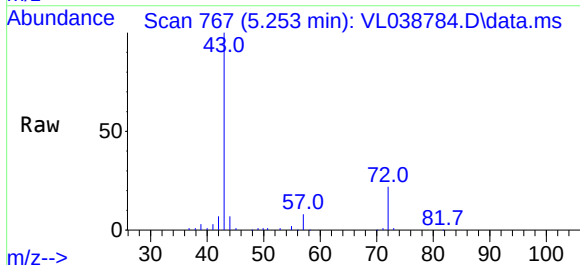
Tgt Ion:114 Resp: 189648
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.0
88 17.2 13.9 20.9

Manual Integrations
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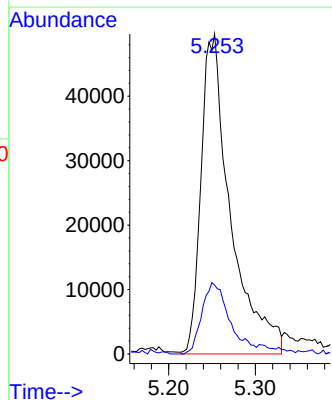
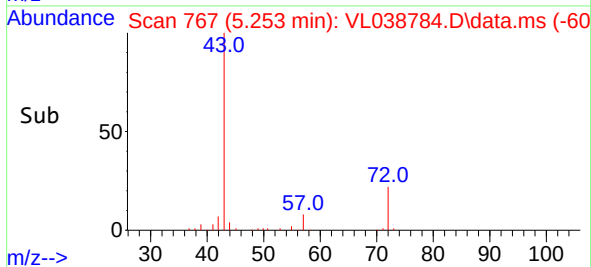
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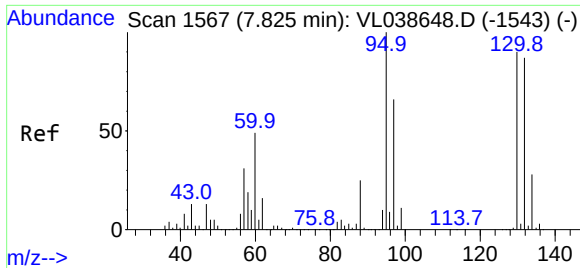


#34
2-Butanone
Concen: 1.564 ppbv m
RT: 5.253 min Scan# 767
Delta R.T. 0.019 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39



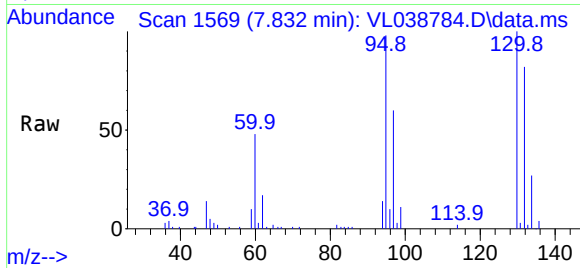
Tgt Ion: 43 Resp: 117412
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.8#





#38
Trichloroethene
Concen: 1.130 ppbv m
RT: 7.832 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

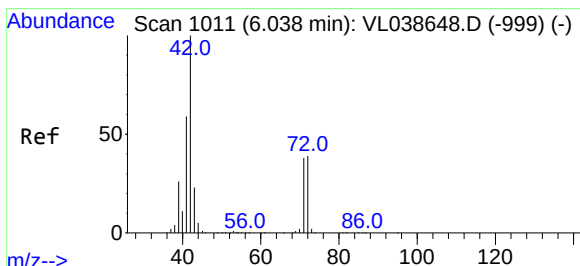
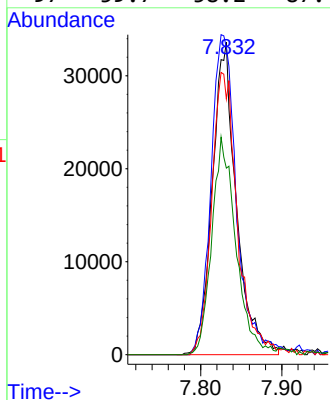
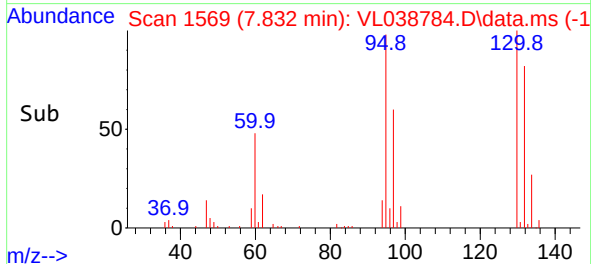
Instrument :
MSVOA_L
ClientSampleId :
COPA3



Tgt Ion:130 Resp: 69302
Ion Ratio Lower Upper
130 100
95 98.4 88.9 133.3
132 81.9 77.4 116.0
97 59.7 58.2 87.4

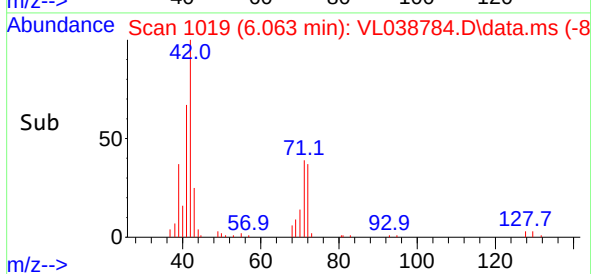
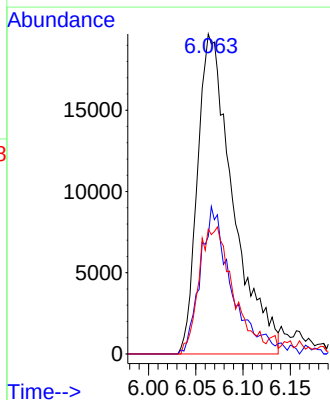
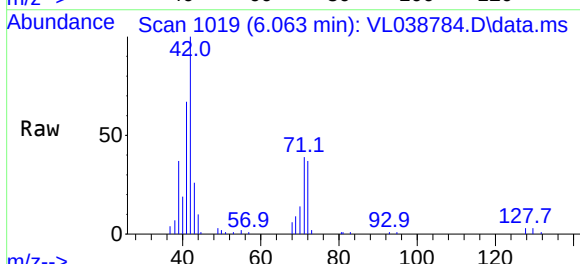
Manual Integrations
APPROVED

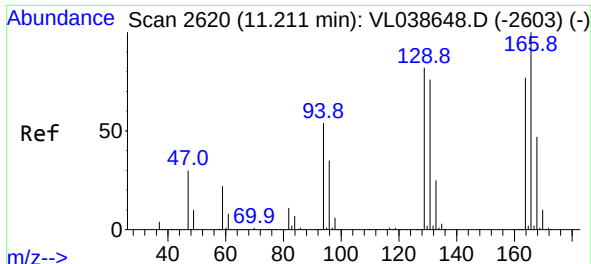
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#41
Tetrahydrofuran
Concen: 0.919 ppbv
RT: 6.063 min Scan# 1019
Delta R.T. 0.026 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

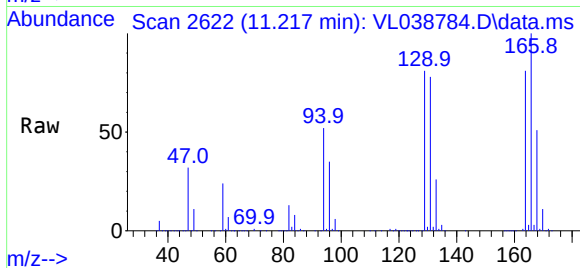
Tgt Ion: 42 Resp: 51319
Ion Ratio Lower Upper
42 100
72 43.4 32.5 48.7
71 43.3 31.4 47.2





#52
Tetrachloroethene
Concen: 60.001 ppbv
RT: 11.217 min Scan# 2622
Delta R.T. 0.006 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

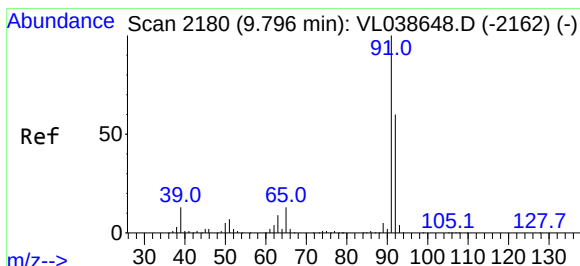
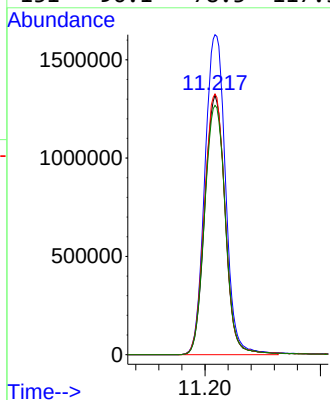
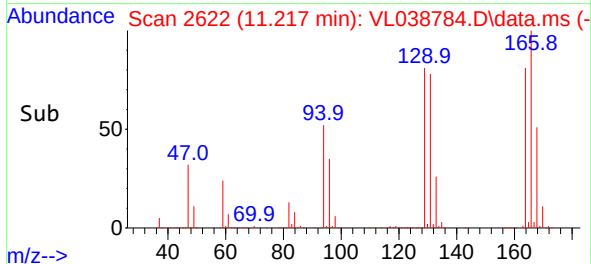
Instrument :
MSVOA_L
ClientSampleId :
C0PA3



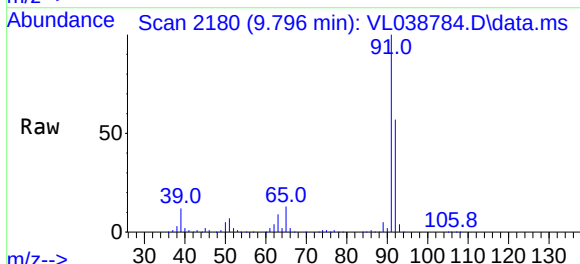
Tgt Ion:164 Resp: 321379
Ion Ratio Lower Upper
164 100
166 123.3 103.3 154.9
129 100.4 85.2 127.8
131 96.1 78.3 117.5

Manual Integrations
APPROVED

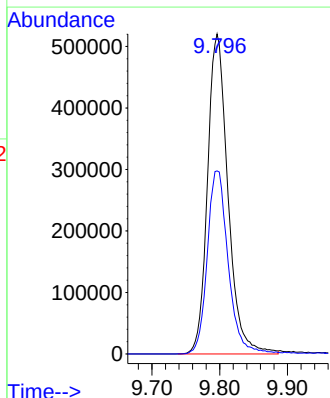
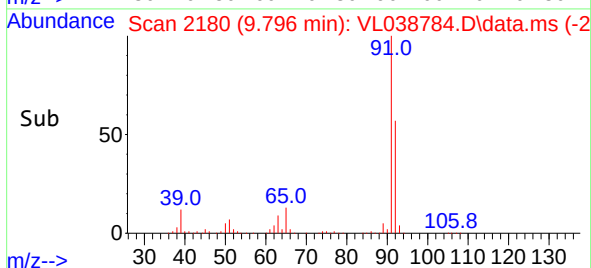
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

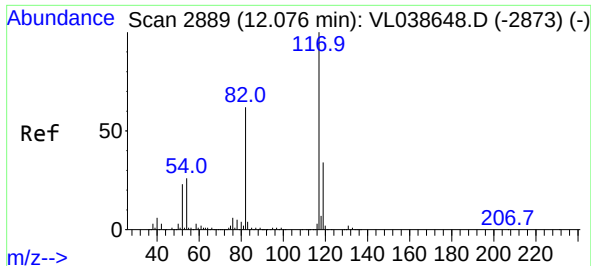


#53
Toluene
Concen: 6.933 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.000 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39



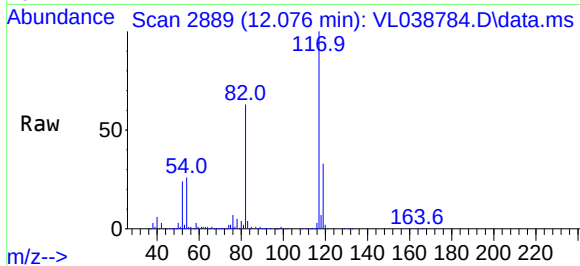
Tgt Ion: 91 Resp: 1090377
Ion Ratio Lower Upper
91 100
92 59.0 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.000 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39

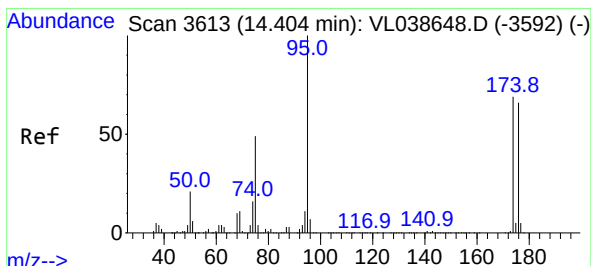
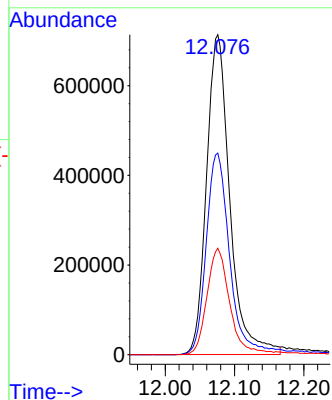
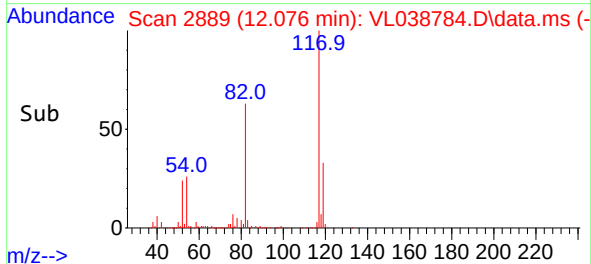
Instrument :
MSVOA_L
ClientSampleId :
COPA3



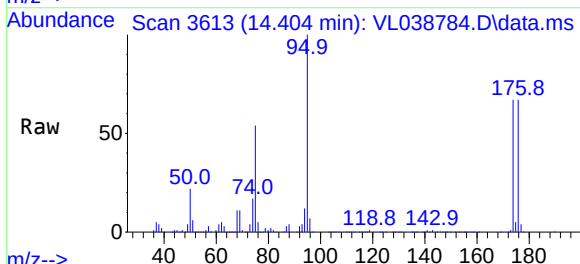
Tgt Ion: 117 Resp: 1665088
Ion Ratio Lower Upper
117 100
82 66.1 51.6 77.4
119 33.8 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.273 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.000 min
Lab File: VL038784.D
Acq: 28 Mar 2022 23:39



Tgt Ion: 95 Resp: 1183741
Ion Ratio Lower Upper
95 100
174 74.0 56.1 84.1
175 5.1 4.2 6.2

