

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038692.D
 Acq On : 22 Mar 2022 20:25
 Operator : SY/AP
 Sample : N1961-13
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P76

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 04:16:26 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	5.655	49	837812	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2236983	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	1961327	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1399748	9.309	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	26483	0.235	ppbv	95
3) Chlorodifluoromethane	2.986	51	186750	2.111	ppbv	97
4) Chloromethane	3.134	50	17812	0.367	ppbv	95
9) Propene	3.006	41	116879	2.736	ppbv	91
11) Trichlorofluoromethane	3.944	101	20538	0.207	ppbv	97
13) Ethanol	3.604	45	101093m	21.452	ppbv	
15) Acetone	3.838	43	770246	10.655	ppbv #	83
17) tert-Butyl alcohol	4.298	59	14280m	0.226	ppbv	
19) Isopropyl Alcohol	3.970	45	20270	0.506	ppbv #	91
20) Methylene Chloride	4.333	84	690719	22.684	ppbv	97
26) Hexane	5.674	57	868379	10.659	ppbv #	39
29) Chloroform	5.739	83	21934	0.168	ppbv #	77
30) Cyclohexane	7.118	84	22970m	0.324	ppbv	
34) 2-Butanone	5.231	43	898789	10.151	ppbv	98
35) Carbon Tetrachloride	7.005	117	6827m	0.053	ppbv	
36) Benzene	6.877	78	348315	2.017	ppbv	96
38) Trichloroethene	7.816	130	3933m	0.054	ppbv	
41) Tetrahydrofuran	6.038	42	92234	1.400	ppbv	99
44) 2,2,4-Trimethylpentane	7.854	57	75691	0.261	ppbv #	80
52) Tetrachloroethene	11.208	164	1437632	22.755	ppbv	96
53) Toluene	9.790	91	527084	2.841	ppbv	100
62) Isopropylbenzene	14.651	105	113940m	0.398	ppbv	

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

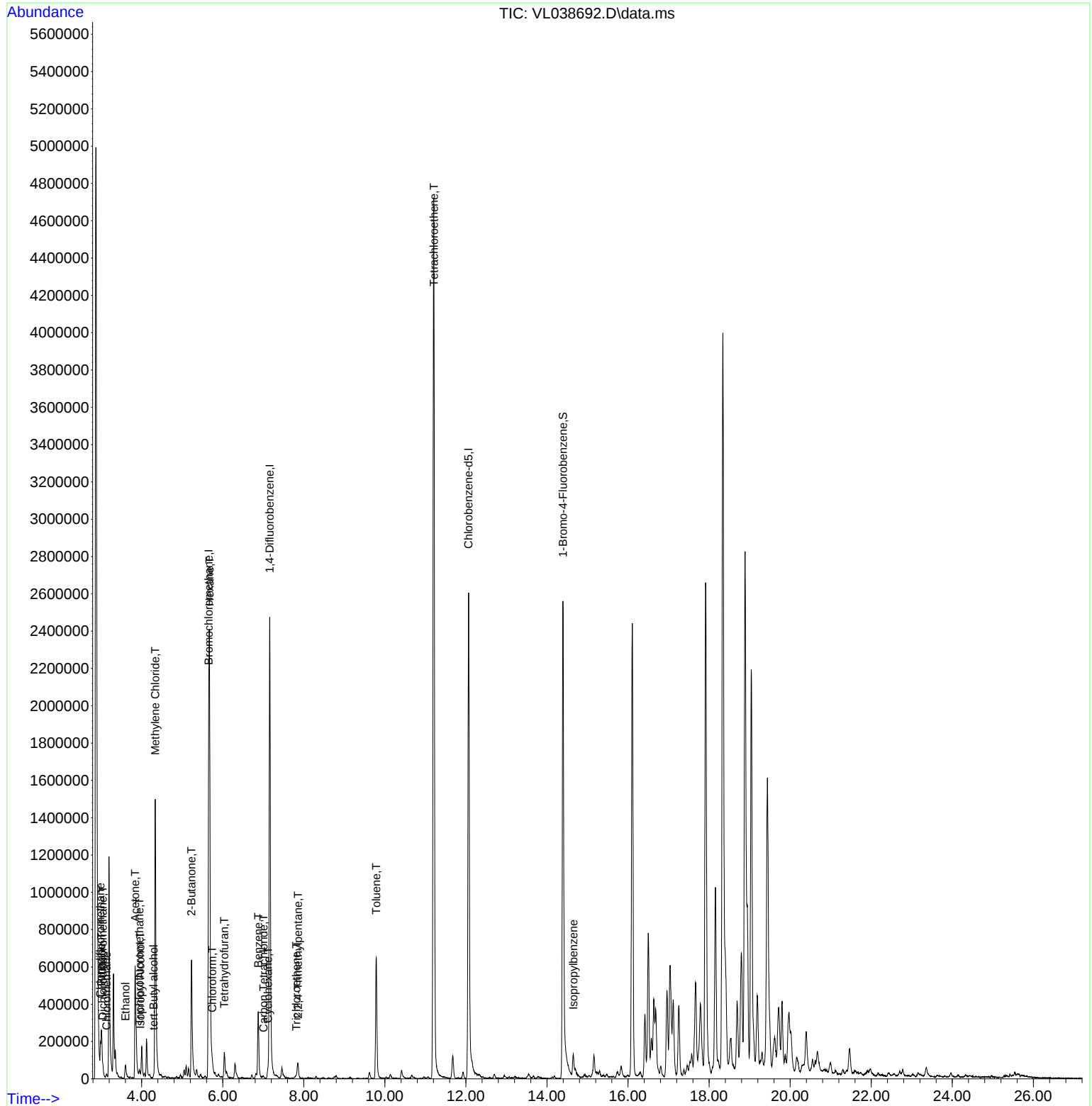
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
Data File : VL038692.D
Acq On : 22 Mar 2022 20:25
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

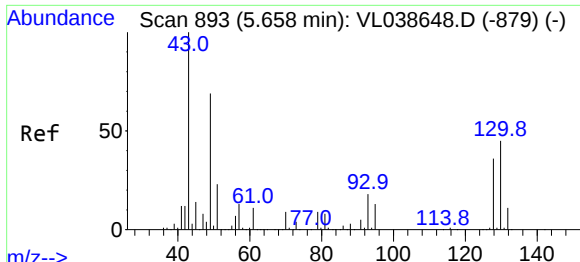
Instrument :
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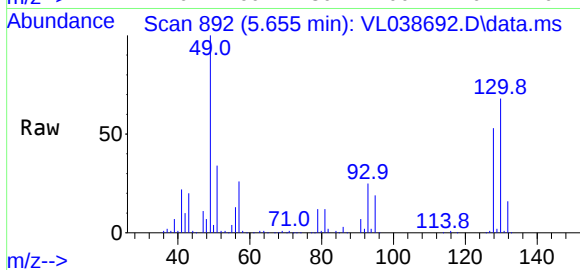
Quant Time: Mar 23 04:16:26 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 893
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

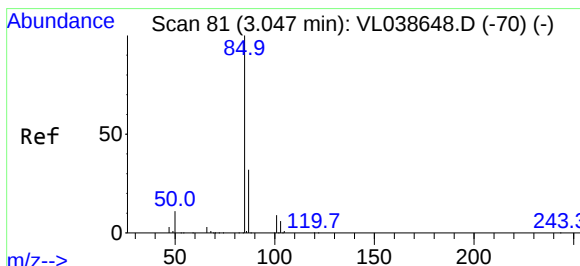
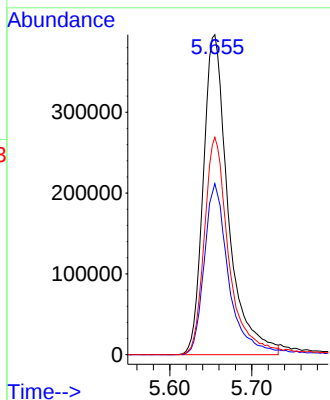
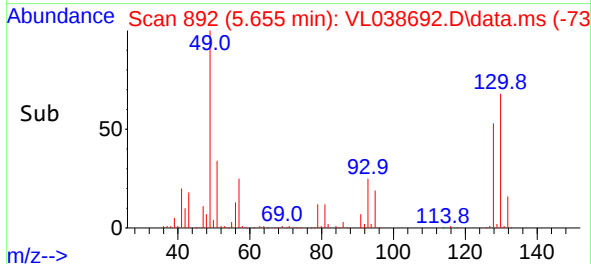
Instrument :
MSVOA_L
ClientSampleId :
COP76



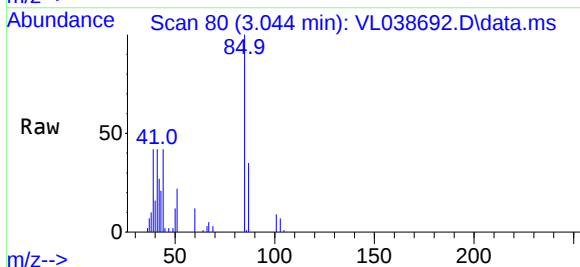
Tgt Ion: 49 Resp: 83781
Ion Ratio Lower Upper
49 100
128 53.9 26.2 78.6
130 68.9 33.7 101.1

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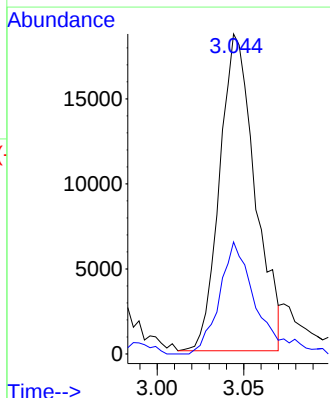
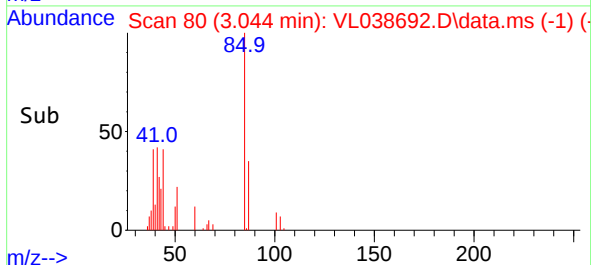
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

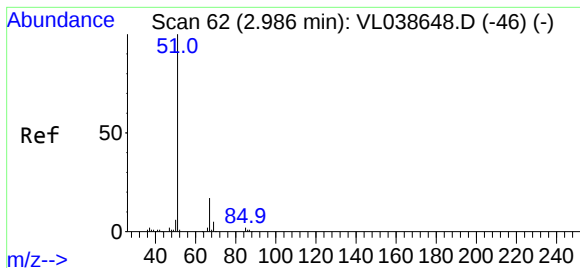


#2
Dichlorodifluoromethane
Concen: 0.235 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



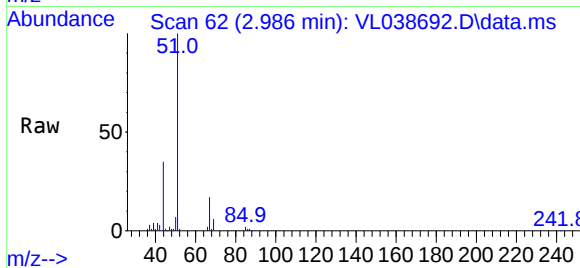
Tgt Ion: 85 Resp: 26483
Ion Ratio Lower Upper
85 100
87 35.4 26.0 39.0





#3
Chlorodifluoromethane
Concen: 2.111 ppbv
RT: 2.986 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

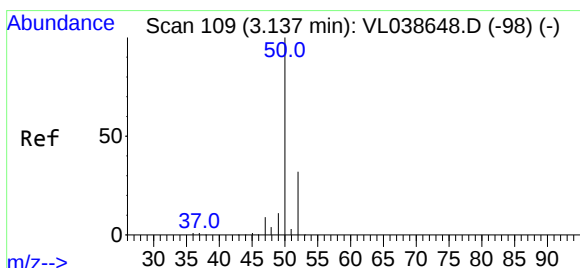
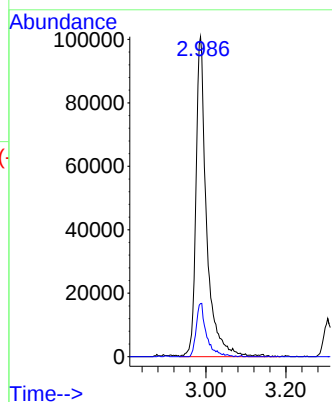
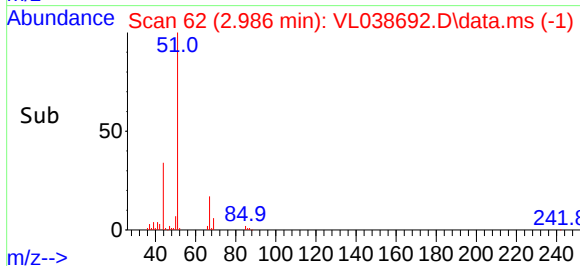
Instrument :
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ClientSampleId :
COP76



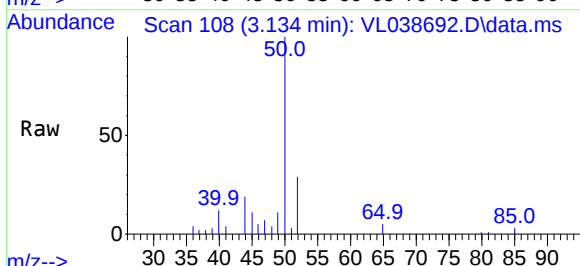
Tgt Ion: 51 Resp: 186750
Ion Ratio Lower Upper
51 100
67 16.1 14.1 21.1

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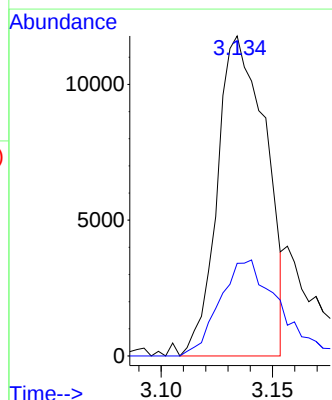
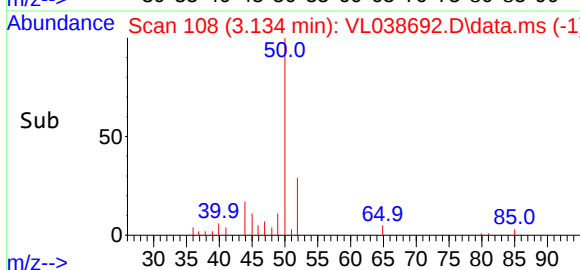
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

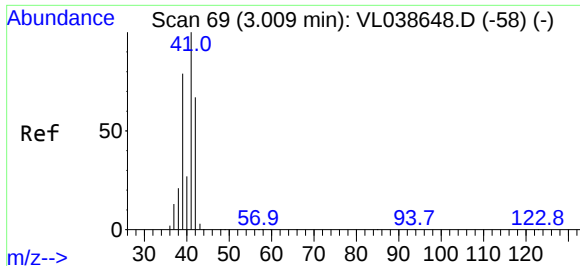


#4
Chloromethane
Concen: 0.367 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



Tgt Ion: 50 Resp: 17812
Ion Ratio Lower Upper
50 100
52 29.0 25.5 38.3





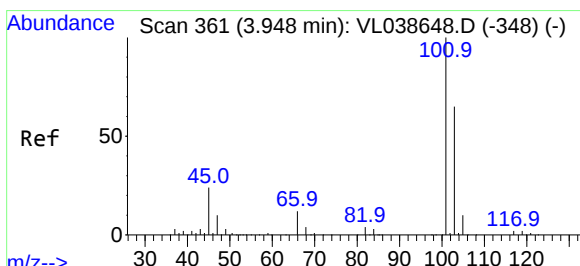
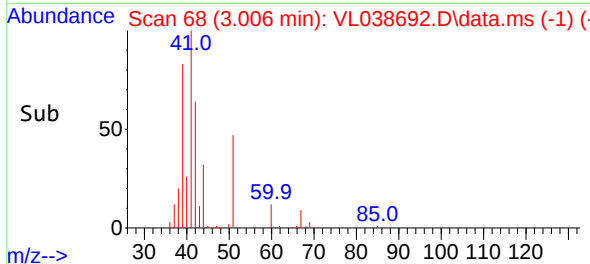
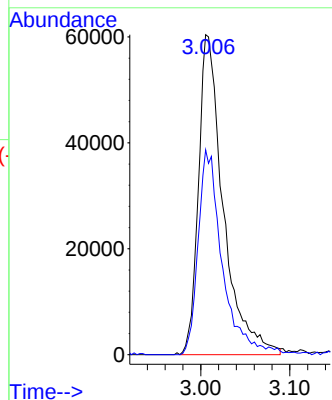
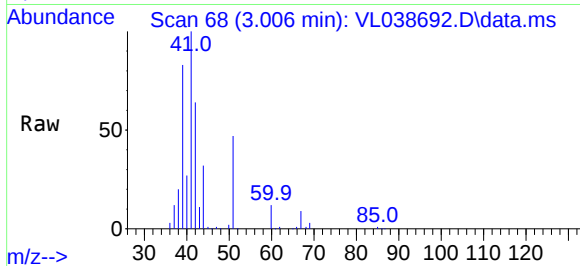
#9
Propene
Concen: 2.736 ppbv
RT: 3.006 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

Instrument :
MSVOA_L
ClientSampleId :
COP76

Tgt Ion: 41 Resp: 116879
Ion Ratio Lower Upper
41 100
42 62.9 56.2 84.4

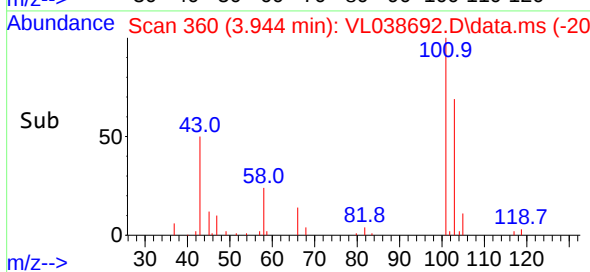
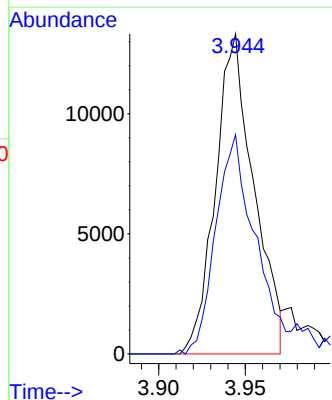
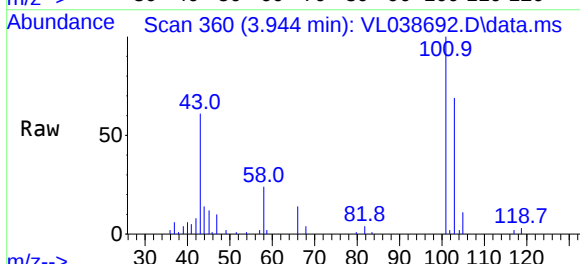
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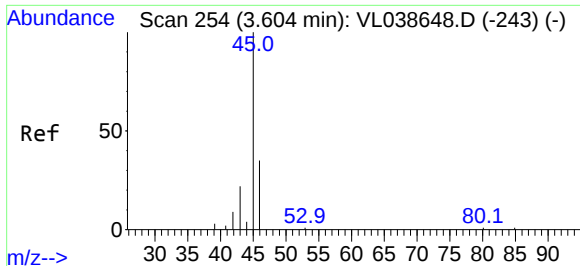
Reviewed By :Semsettin Yesilyurt 03/23/2022
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#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.944 min Scan# 360
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

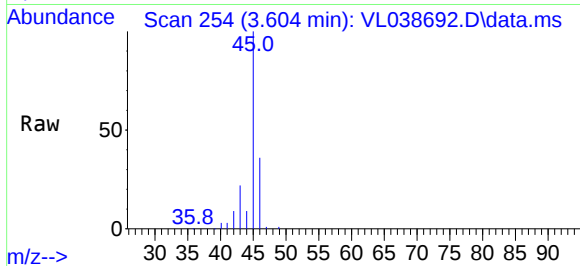
Tgt Ion:101 Resp: 20538
Ion Ratio Lower Upper
101 100
103 67.3 51.9 77.9





#13
Ethanol
Concen: 21.452 ppbv m
RT: 3.604 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

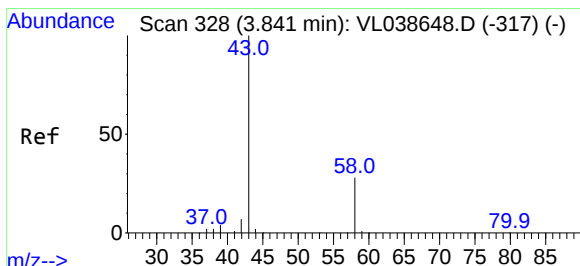
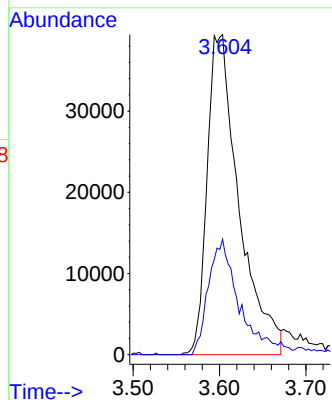
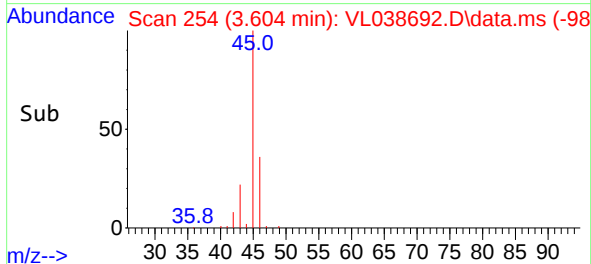
Instrument :
MSVOA_L
ClientSampleId :
COP76



Tgt Ion: 45 Resp: 10109
Ion Ratio Lower Upper
45 100
46 36.9 15.1 60.5

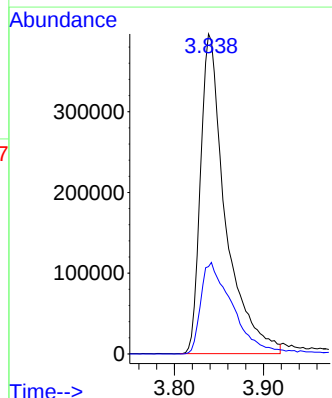
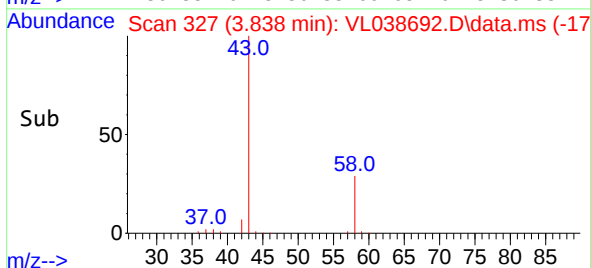
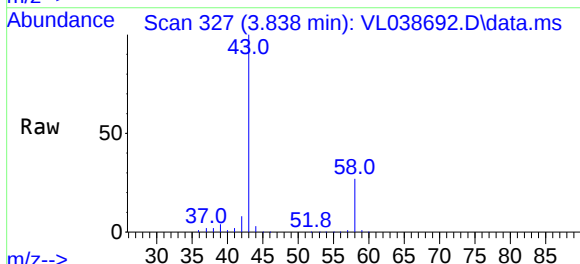
Manual Integrations
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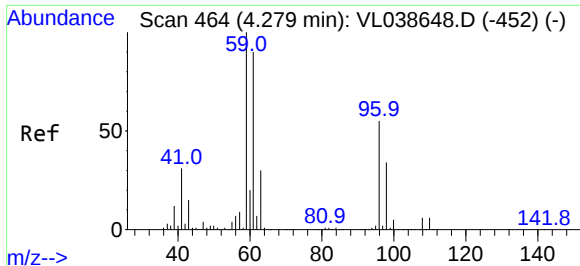
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#15
Acetone
Concen: 10.655 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

Tgt Ion: 43 Resp: 770246
Ion Ratio Lower Upper
43 100
58 38.1 23.3 34.9#





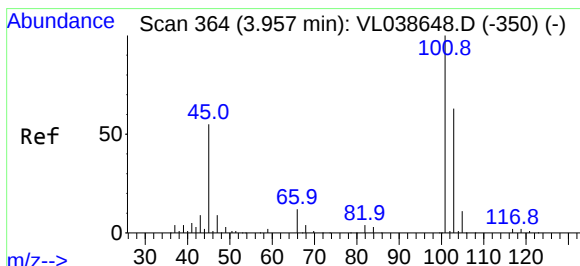
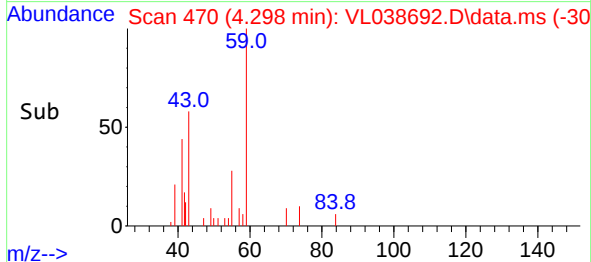
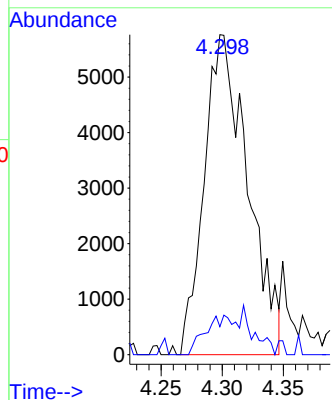
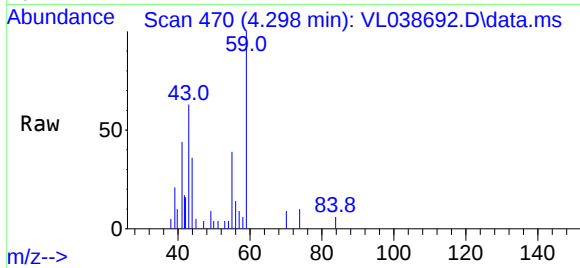
#17
tert-Butyl alcohol
Concen: 0.226 ppbv m
RT: 4.298 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

Instrument :
MSVOA_L
ClientSampleId :
COP76

Tgt Ion: 59 Resp: 14280
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

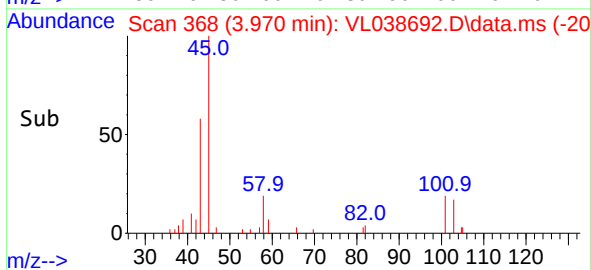
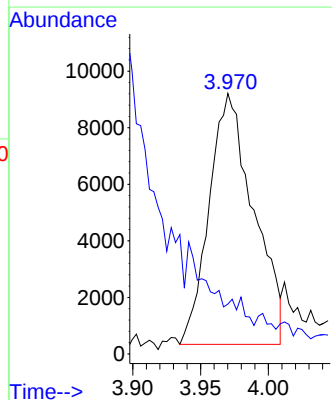
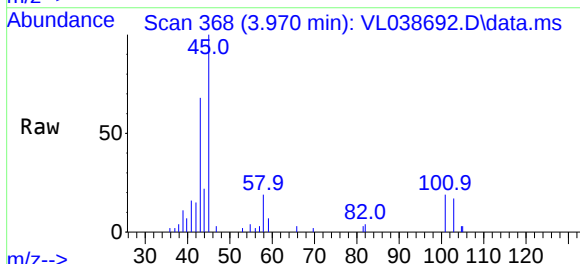
Manual Integrations
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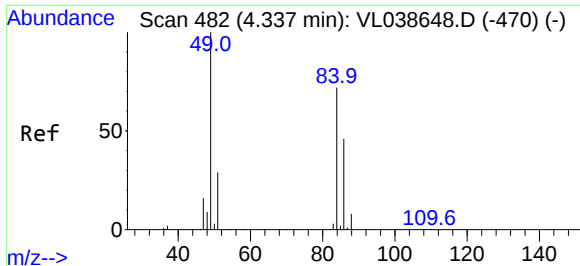
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#19
Isopropyl Alcohol
Concen: 0.506 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.013 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

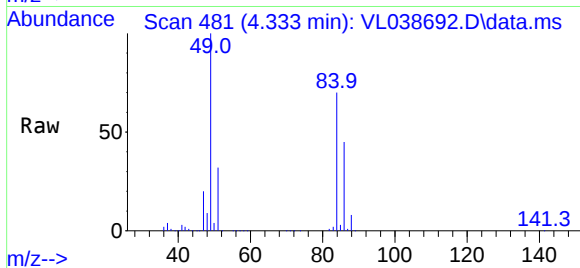
Tgt Ion: 45 Resp: 20270
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 22.684 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

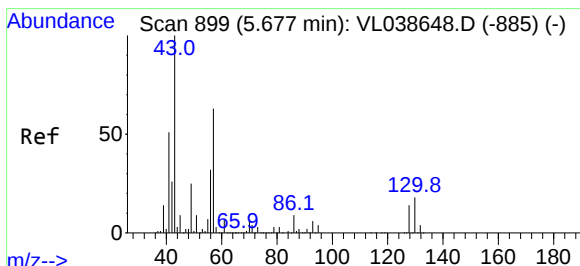
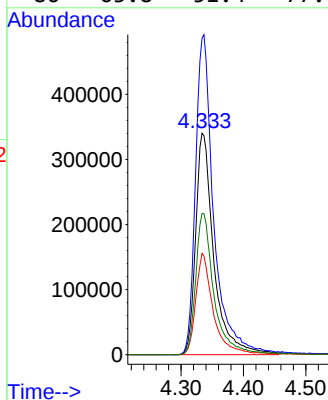
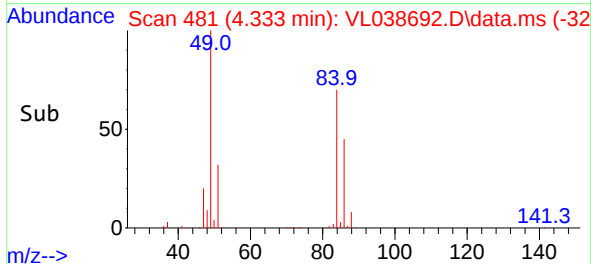
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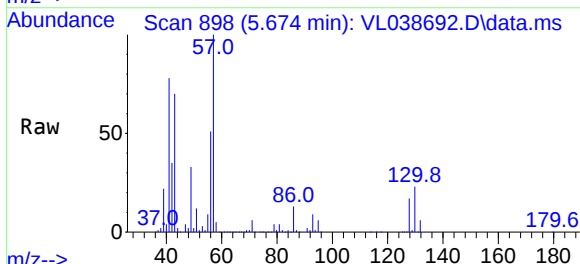
Tgt Ion: 84 Resp: 690719
Ion Ratio Lower Upper
84 100
49 142.9 111.2 166.8
51 45.7 32.8 49.2
86 63.8 51.4 77.0

Manual Integrations
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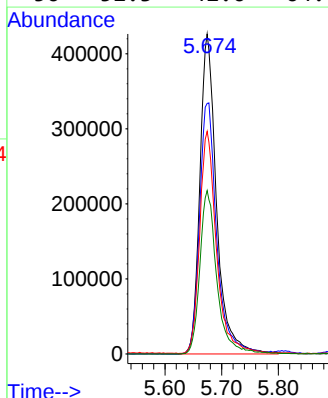
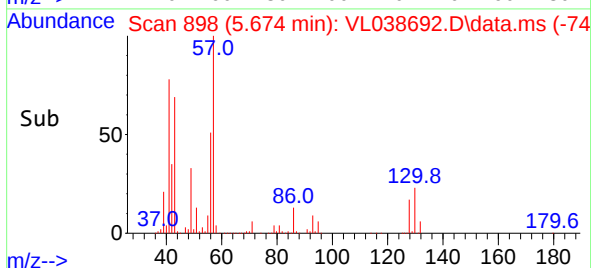
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Supervised By :Mahesh Dadoda 03/25/2022

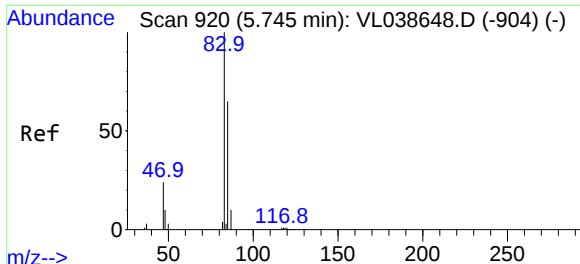


#26
Hexane
Concen: 10.659 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



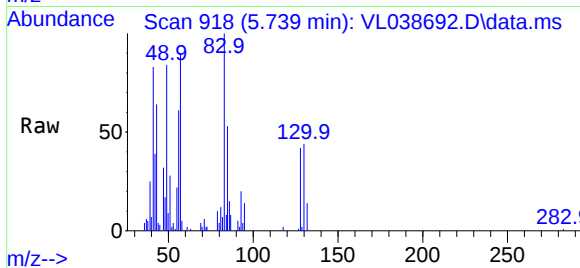
Tgt Ion: 57 Resp: 868379
Ion Ratio Lower Upper
57 100
41 82.1 67.0 100.4
43 70.7 184.2 276.2#
56 52.3 42.6 64.0





#29
Chloroform
Concen: 0.168 ppbv
RT: 5.739 min Scan# 918
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

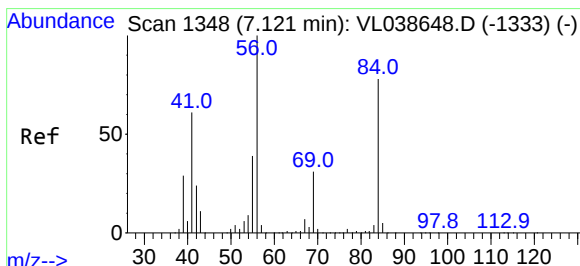
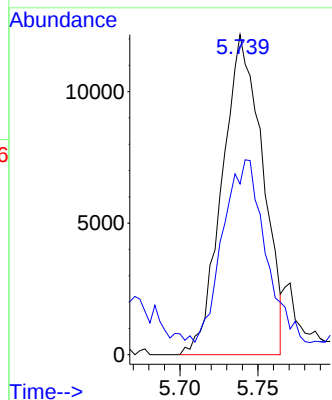
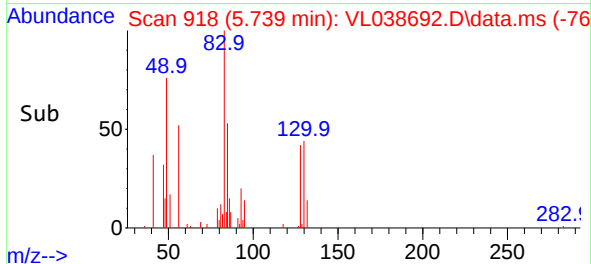
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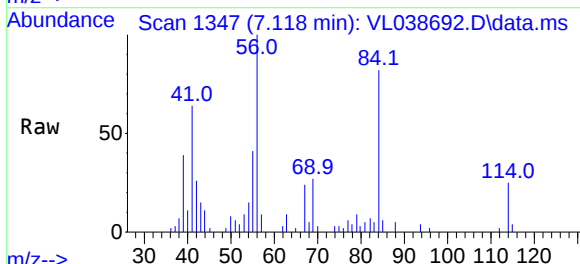
Tgt Ion: 83 Resp: 21934
Ion Ratio Lower Upper
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85 46.9 51.7 77.5

Manual Integrations
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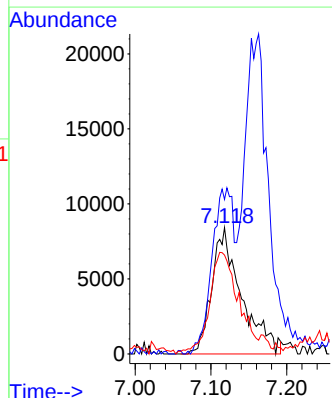
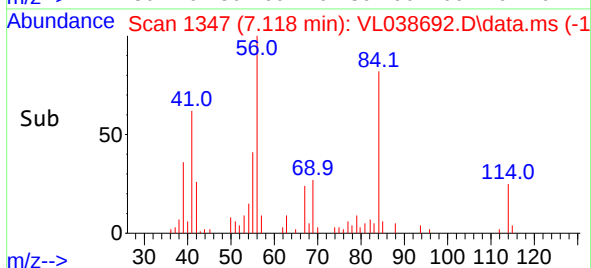
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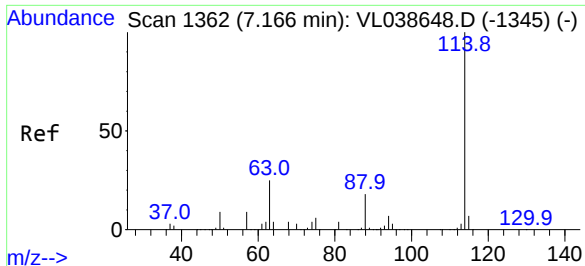


#30
Cyclohexane
Concen: 0.324 ppbv m
RT: 7.118 min Scan# 1347
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



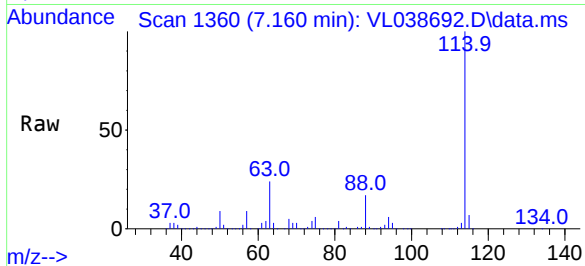
Tgt Ion: 84 Resp: 22970
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4#
41 0.0 61.8 92.6#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

Instrument :
MSVOA_L
ClientSampleId :
COP76

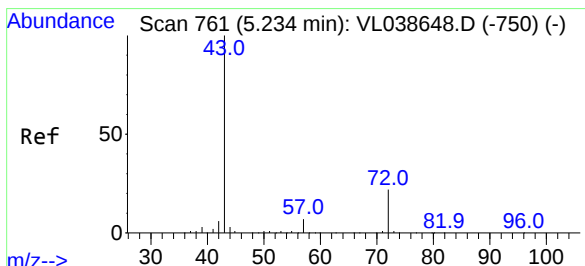
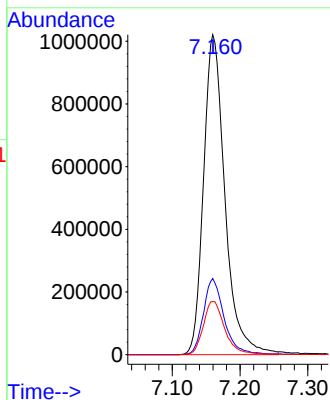
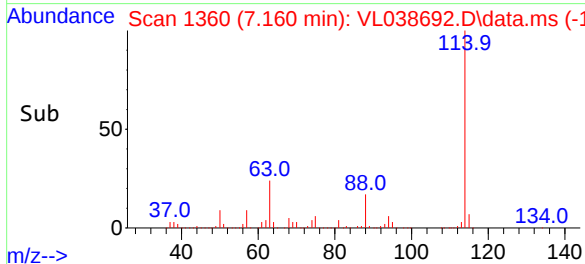


Tgt Ion:114 Resp: 223698

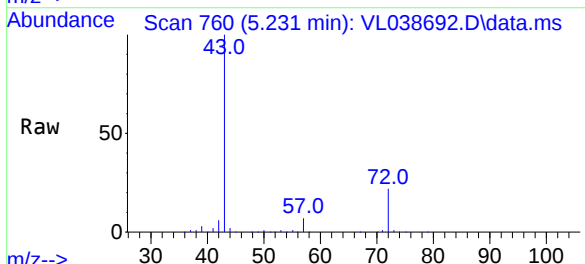
Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.4	29.0
88	16.9	13.9	20.9

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

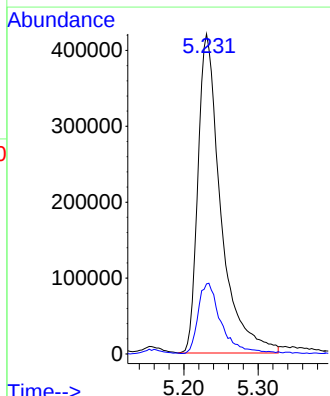
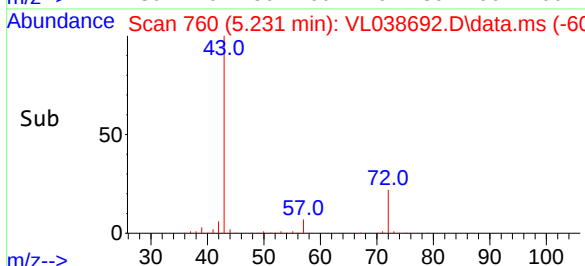


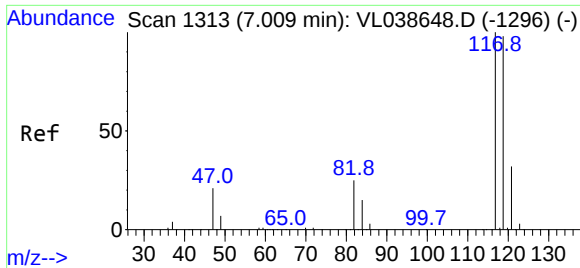
#34
2-Butanone
Concen: 10.151 ppbv
RT: 5.231 min Scan# 760
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



Tgt Ion: 43 Resp: 898789

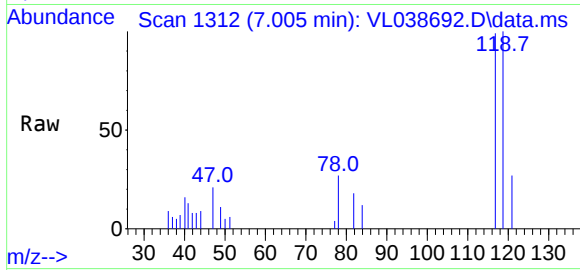
Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.8	26.8





#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 7.005 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

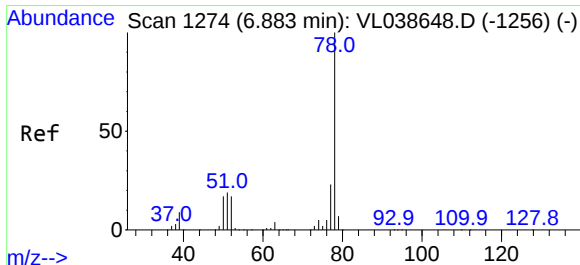
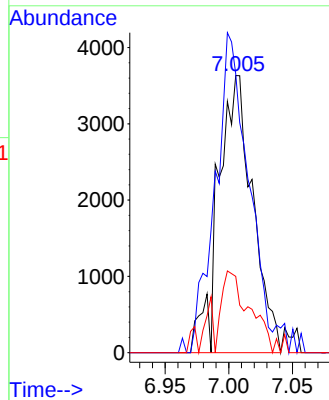
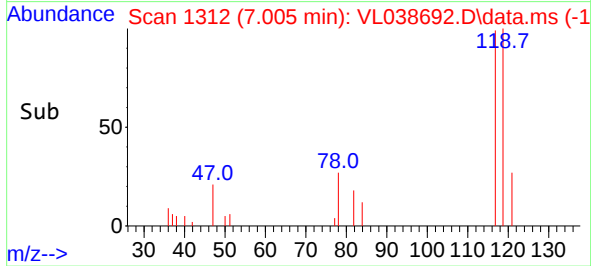
Instrument :
MSVOA_L
ClientSampleId :
COP76



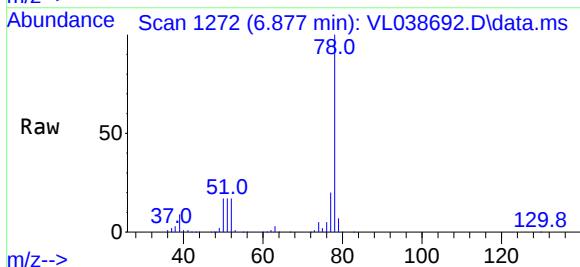
Tgt Ion: 117 Resp: 682
Ion Ratio Lower Upper
117 100
119 100.7 78.1 117.1
121 27.5 25.8 38.6

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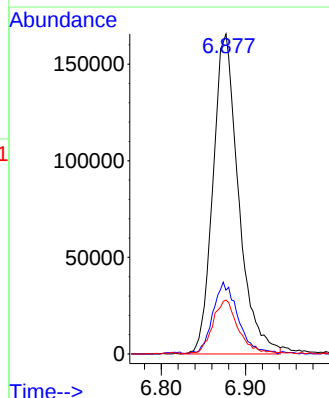
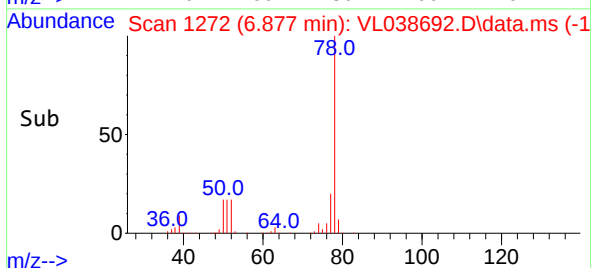
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

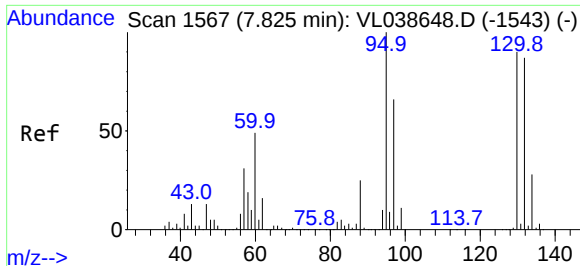


#36
Benzene
Concen: 2.017 ppbv
RT: 6.877 min Scan# 1272
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



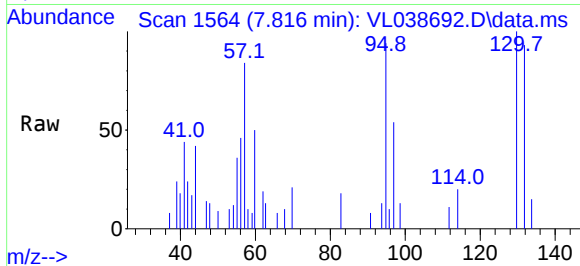
Tgt Ion: 78 Resp: 348315
Ion Ratio Lower Upper
78 100
77 19.4 18.1 27.1
50 16.4 13.6 20.4





#38
 Trichloroethene
 Concen: 0.054 ppbv m
 RT: 7.816 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL038692.D
 Acq: 22 Mar 2022 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P76

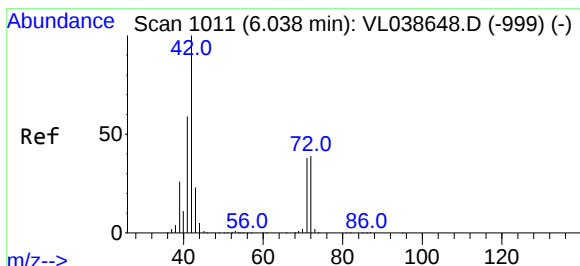
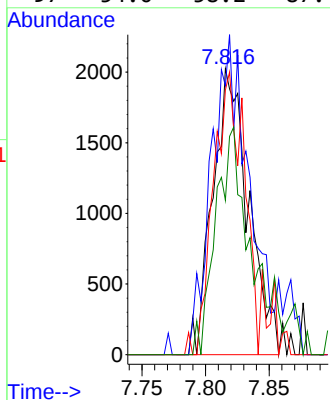
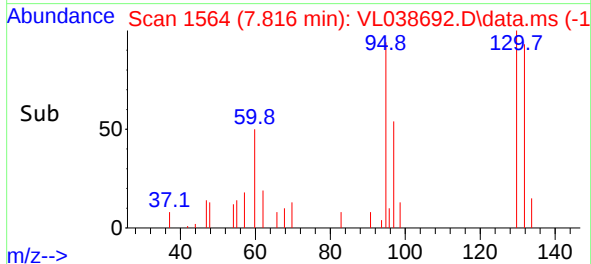


Tgt Ion:130 Resp: 393

Ion	Ratio	Lower	Upper
130	100		
95	94.0	88.9	133.3
132	92.5	77.4	116.0
97	54.0	58.2	87.4

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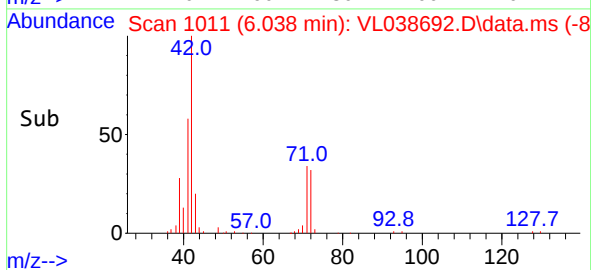
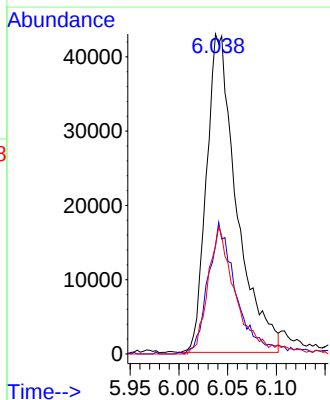
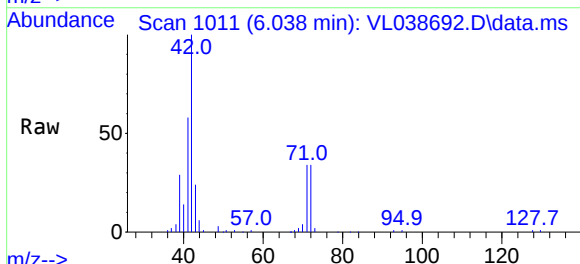
Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

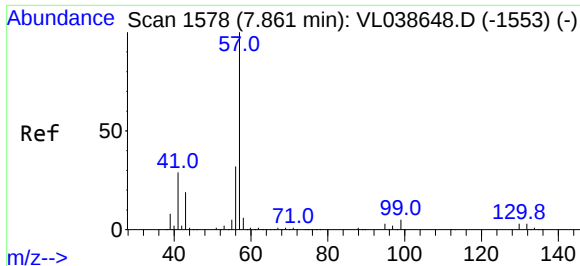


#41
 Tetrahydrofuran
 Concen: 1.400 ppbv
 RT: 6.038 min Scan# 1011
 Delta R.T. 0.000 min
 Lab File: VL038692.D
 Acq: 22 Mar 2022 20:25

Tgt Ion: 42 Resp: 92234

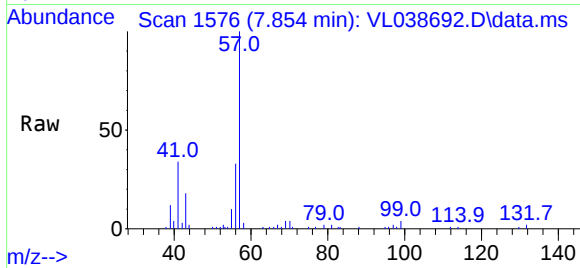
Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.5	48.7
71	38.0	31.4	47.2





#44
2,2,4-Trimethylpentane
Concen: 0.261 ppbv
RT: 7.854 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

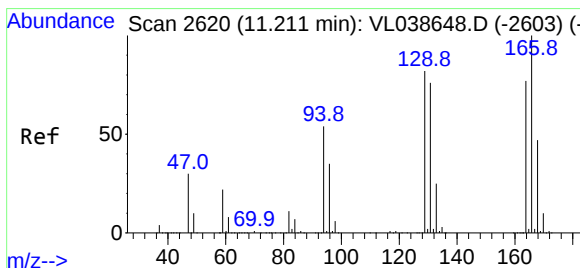
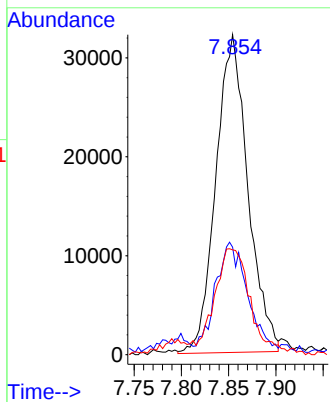
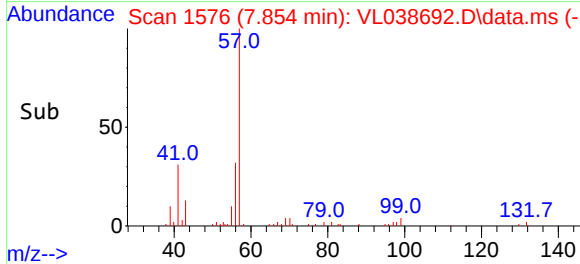
Instrument :
MSVOA_L
ClientSampleId :
COP76



Tgt Ion: 57 Resp: 7569
Ion Ratio Lower Upper
57 100
41 40.5 23.0 34.4
56 41.8 25.3 37.9

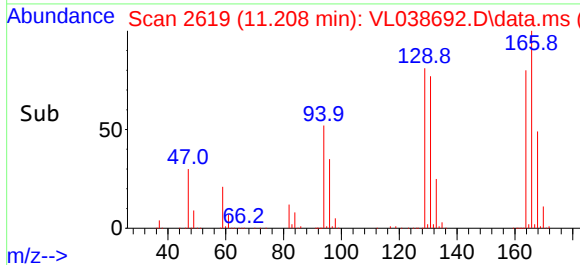
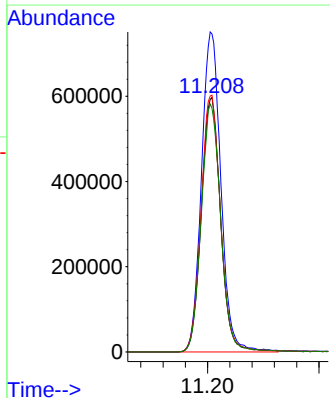
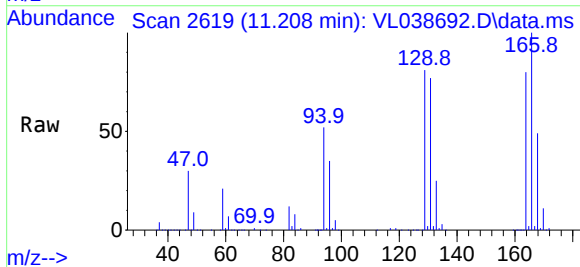
Manual Integrations
APPROVED

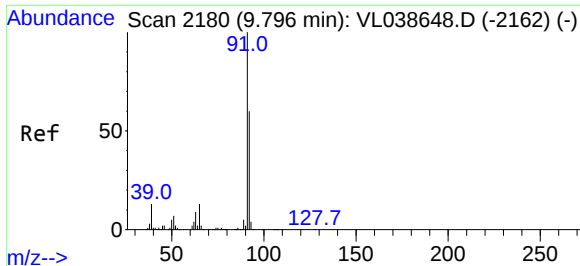
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#52
Tetrachloroethene
Concen: 22.755 ppbv
RT: 11.208 min Scan# 2619
Delta R.T. -0.003 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

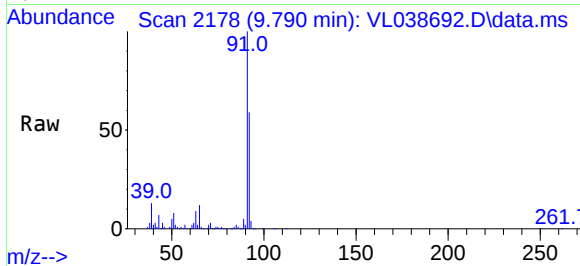
Tgt Ion:164 Resp: 1437632
Ion Ratio Lower Upper
164 100
166 125.0 103.3 154.9
129 100.8 85.2 127.8
131 95.8 78.3 117.5





#53
Toluene
Concen: 2.841 ppbv
RT: 9.790 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

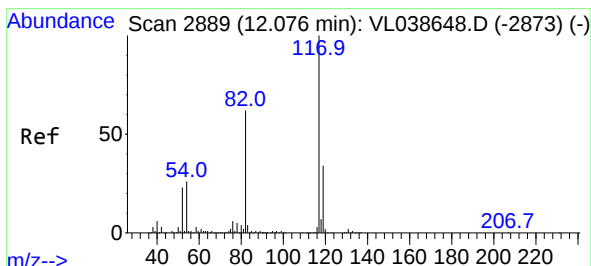
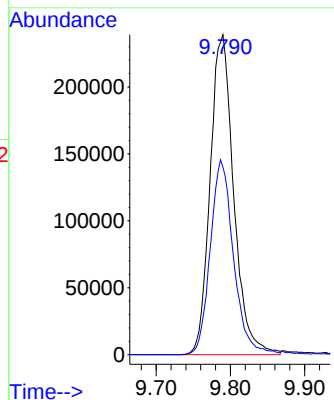
Instrument :
MSVOA_L
ClientSampleId :
COP76



Tgt Ion: 91 Resp: 527084
Ion Ratio Lower Upper
91 100
92 60.7 48.7 73.1

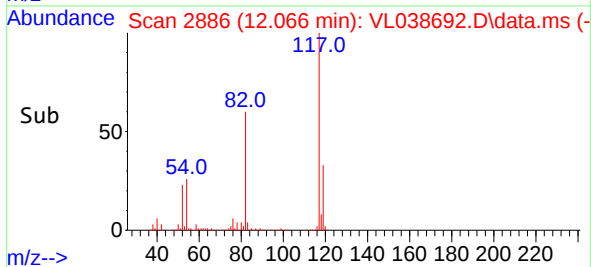
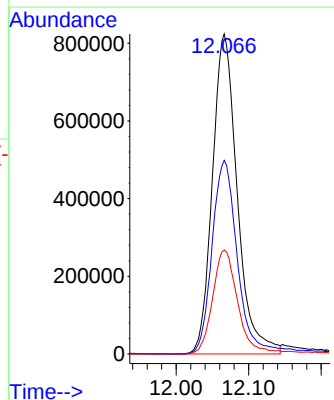
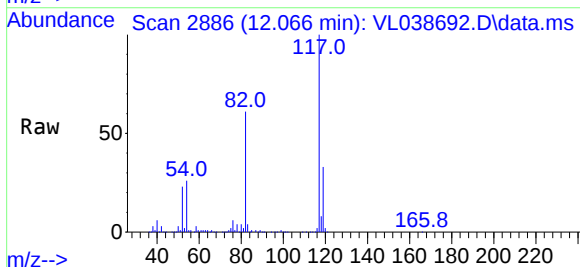
Manual Integrations
APPROVED

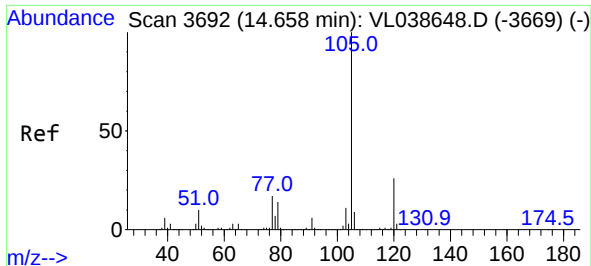
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.010 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

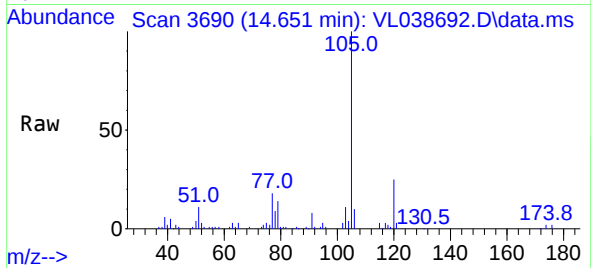
Tgt Ion:117 Resp: 1961327
Ion Ratio Lower Upper
117 100
82 63.9 51.6 77.4
119 34.1 26.9 40.3





#62
Isopropylbenzene
Concen: 0.398 ppbv m
RT: 14.651 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25

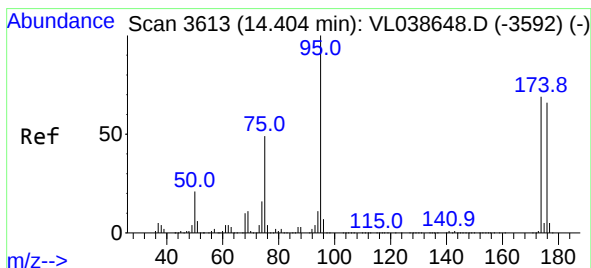
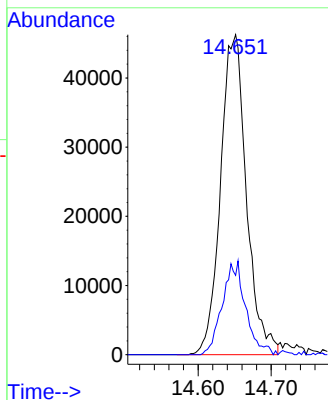
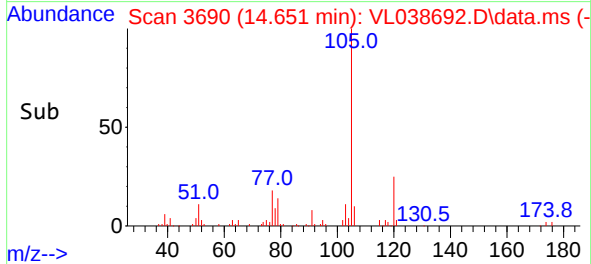
Instrument :
MSVOA_L
ClientSampleId :
COP76



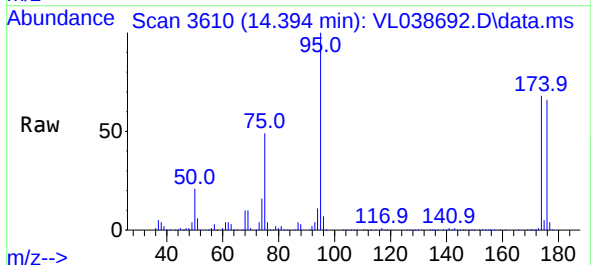
Tgt Ion:105 Resp: 113940
Ion Ratio Lower Upper
105 100
120 0.0 21.2 31.8

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.309 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.010 min
Lab File: VL038692.D
Acq: 22 Mar 2022 20:25



Tgt Ion: 95 Resp: 1399748
Ion Ratio Lower Upper
95 100
174 75.5 56.1 84.1
175 5.5 4.2 6.2

