

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038639.D
 Acq On : 17 Mar 2022 23:45
 Operator : SY/AP
 Sample : N1965-10
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA7

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 03:40:25 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	832391	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	2153350	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	2047627	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1440403	9.252	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	16879	0.134	ppbv #	86
4) Chloromethane	3.153	50	8946m	0.164	ppbv	
10) Heptane	8.131	43	23376m	0.189	ppbv	
11) Trichlorofluoromethane	3.960	101	19696	0.179	ppbv	89
13) Ethanol	3.610	45	125946	21.170	ppbv	97
15) Acetone	3.854	43	1024539	17.449	ppbv #	63
20) Methylene Chloride	4.353	84	98495	2.788	ppbv	96
26) Hexane	5.693	57	145833	1.570	ppbv #	42
27) Carbon Disulfide	4.558	76	196310	2.123	ppbv	99
29) Chloroform	5.758	83	48376	0.335	ppbv	92
30) Cyclohexane	7.134	84	18633m	0.232	ppbv	
32) 1,1,1-Trichloroethane	6.517	97	27496	0.196	ppbv	99
34) 2-Butanone	5.250	43	699774	12.537	ppbv	99
36) Benzene	6.896	78	27524	0.142	ppbv #	92
44) 2,2,4-Trimethylpentane	7.870	57	327586	0.997	ppbv #	80
51) 2-Hexanone	10.147	43	45036	0.931	ppbv #	98
52) Tetrachloroethene	11.230	164	2530521	35.529	ppbv	96
53) Toluene	9.809	91	85623	0.413	ppbv	99
58) Ethyl Benzene	12.712	91	43375	0.164	ppbv	97
59) m/p-Xylene	12.970	91	55437m	0.244	ppbv	
60) o-Xylene	13.693	91	26037m	0.121	ppbv	

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

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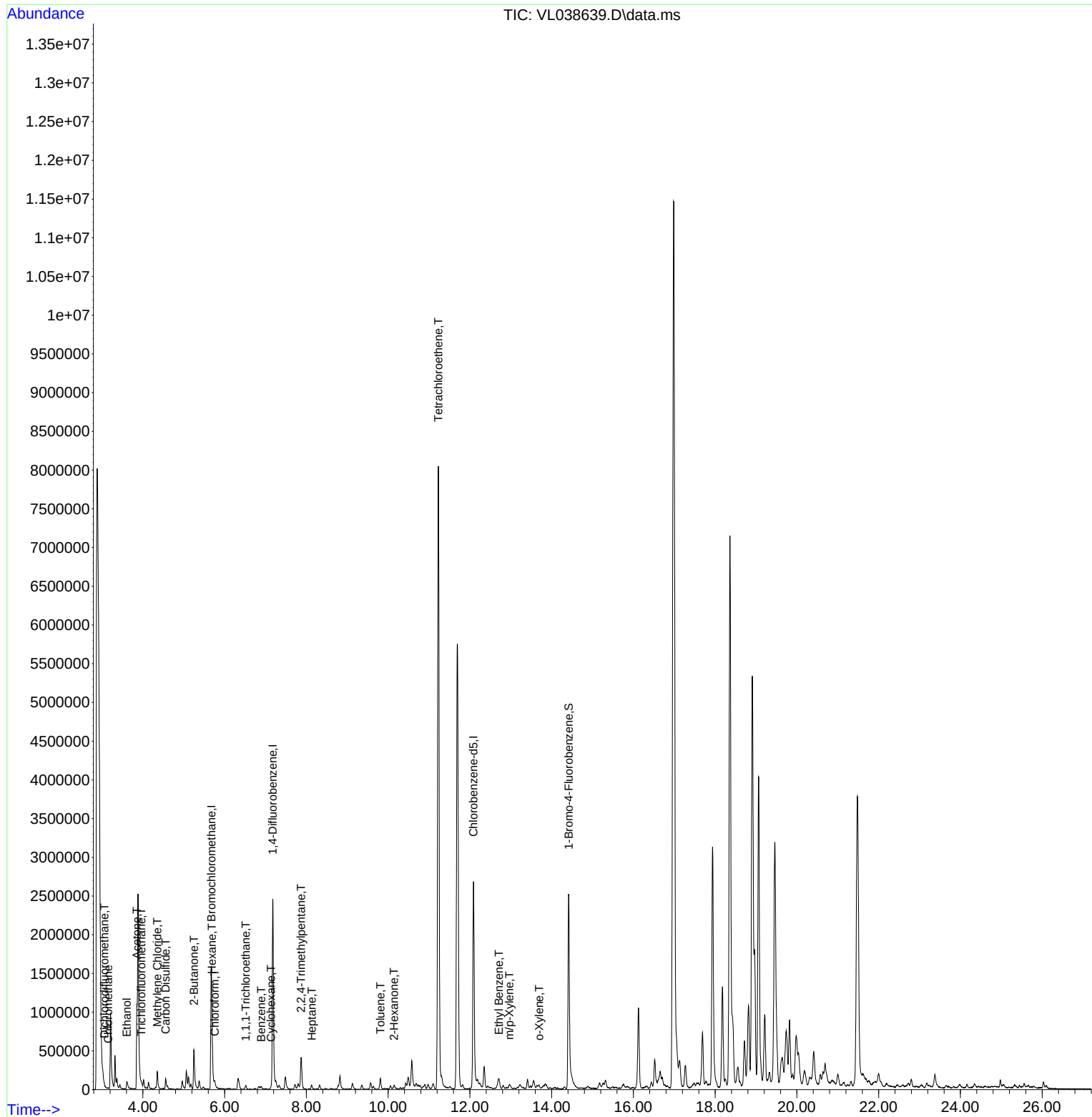
Quant Time: Mar 18 03:40:25 2022

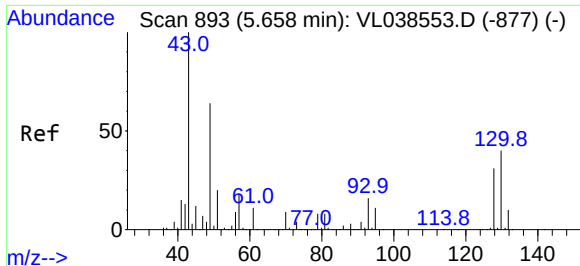
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

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

QLast Update : Tue Mar 08 21:18:44 2022

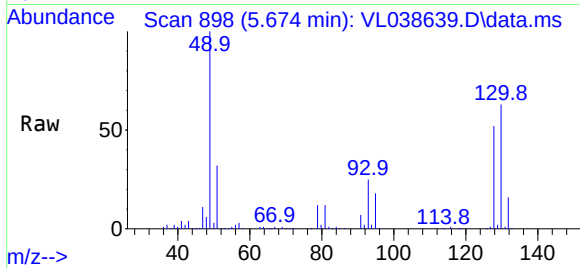
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.674 min Scan# 89
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

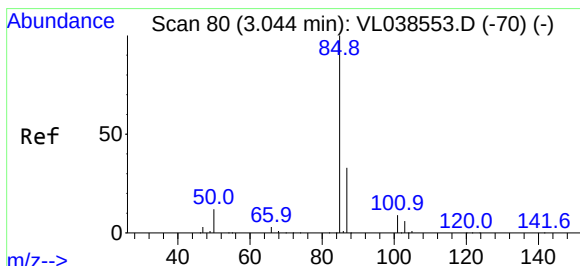
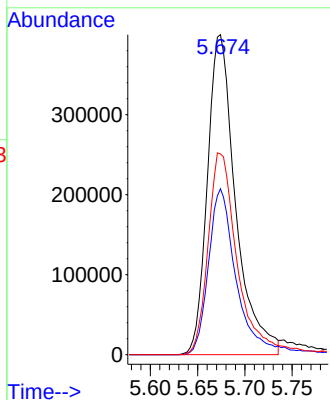
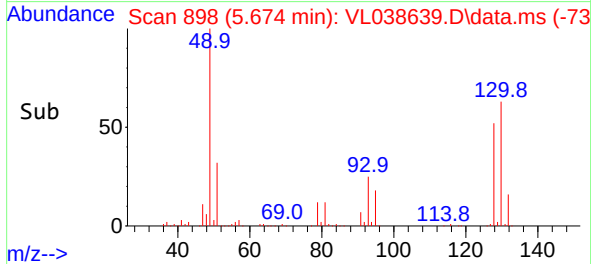
Instrument :
MSVOA_L
ClientSampleId :
COPA7



Tgt Ion: 49 Resp: 83239
Ion Ratio Lower Upper
49 100
128 53.7 26.4 79.2
130 67.9 33.0 98.9

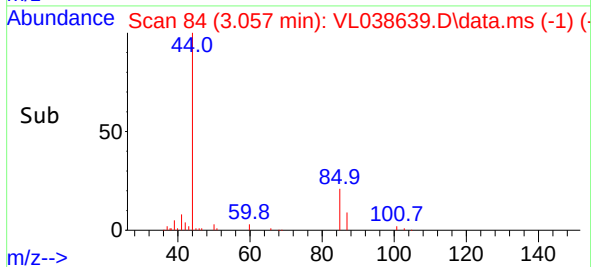
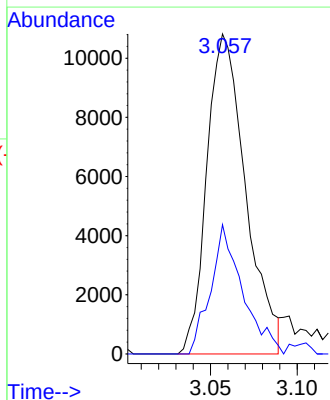
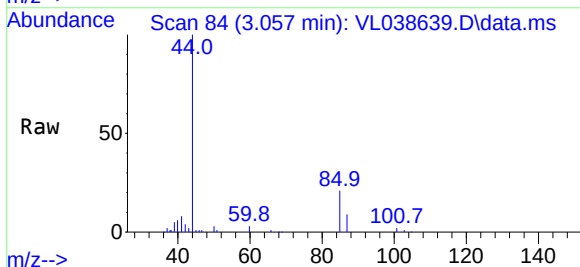
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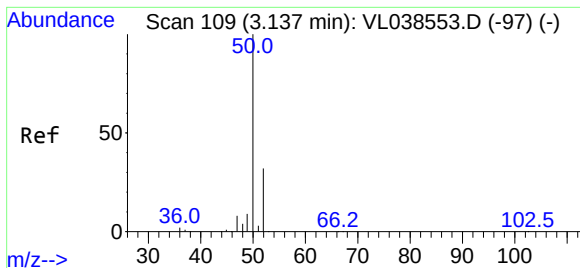
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#2
Dichlorodifluoromethane
Concen: 0.134 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

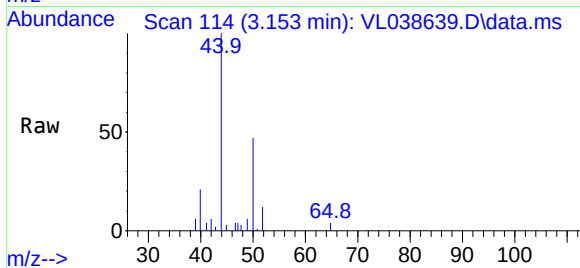
Tgt Ion: 85 Resp: 16879
Ion Ratio Lower Upper
85 100
87 40.4 26.2 39.2#





#4
Chloromethane
Concen: 0.164 ppbv m
RT: 3.153 min Scan# 114
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

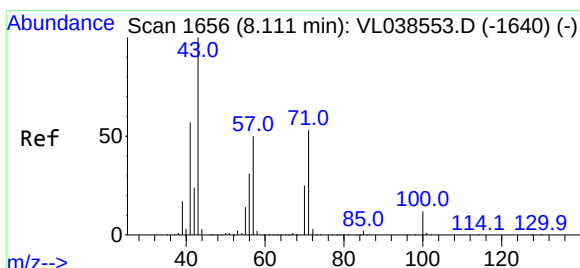
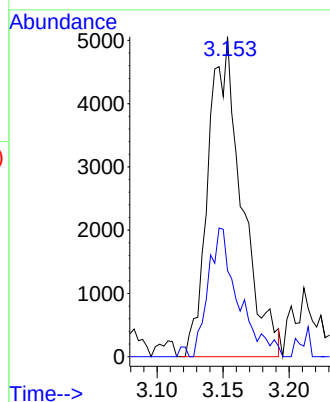
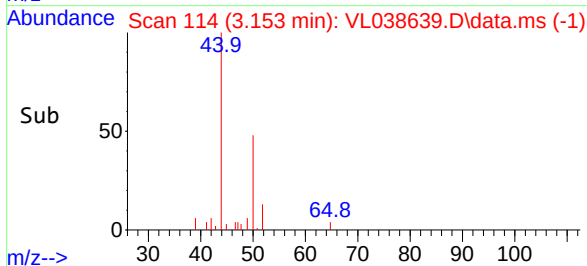
Instrument :
MSVOA_L
ClientSampleId :
COPA7



Tgt Ion: 50 Resp: 8940
Ion Ratio Lower Upper
50 100
52 26.8 25.6 38.4

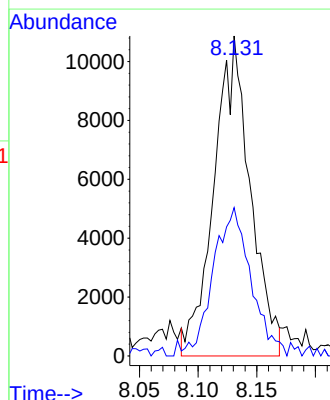
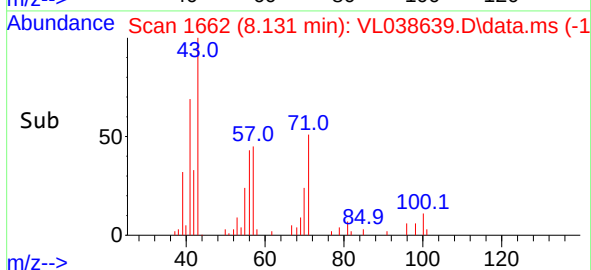
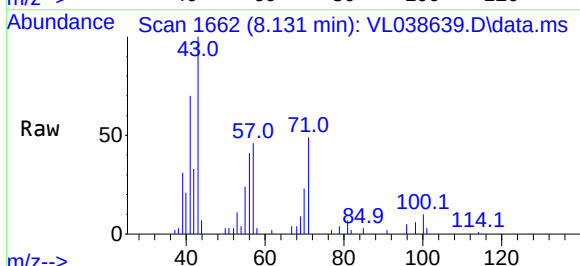
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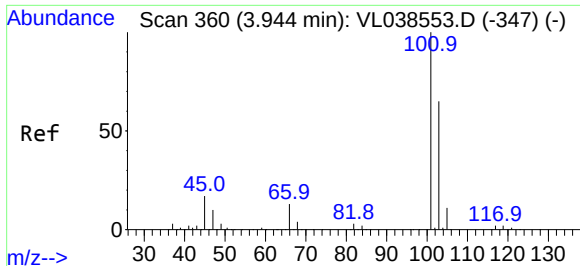
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#10
Heptane
Concen: 0.189 ppbv m
RT: 8.131 min Scan# 1662
Delta R.T. 0.019 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Tgt Ion: 43 Resp: 23376
Ion Ratio Lower Upper
43 100
57 50.2 39.6 59.4





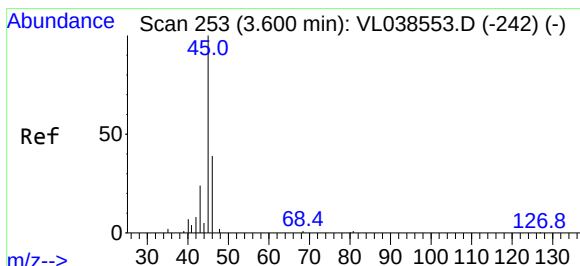
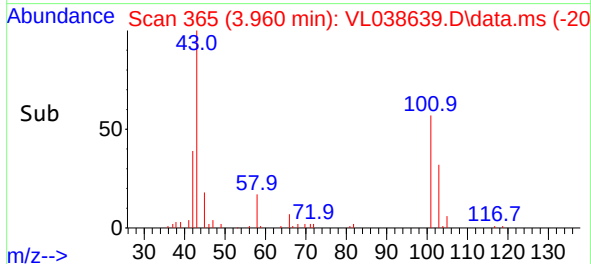
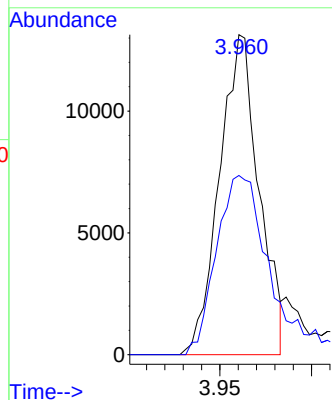
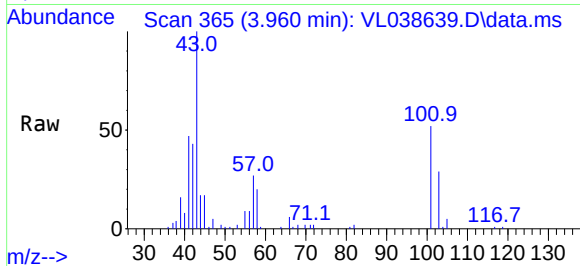
#11
Trichlorofluoromethane
Concen: 0.179 ppbv
RT: 3.960 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Instrument :
MSVOA_L
ClientSampleId :
COPA7

Tgt Ion:101 Resp: 19690
Ion Ratio Lower Upper
101 100
103 56.0 52.0 78.0

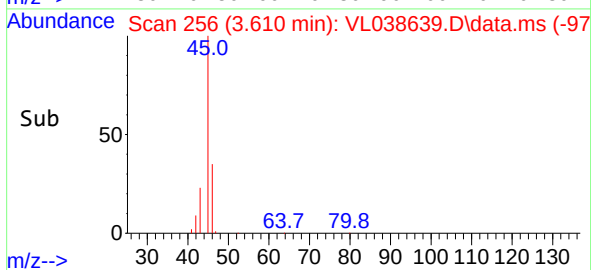
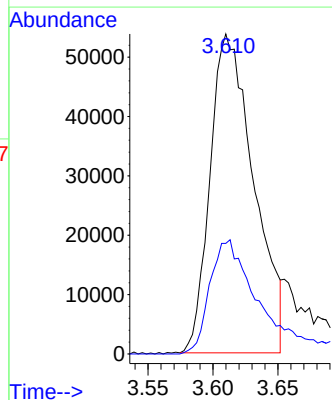
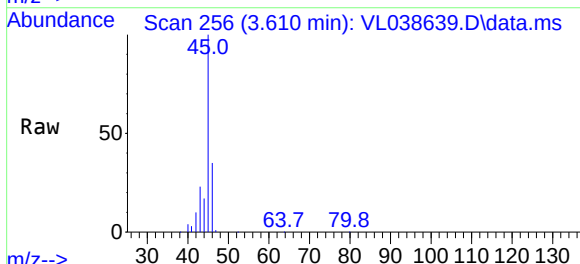
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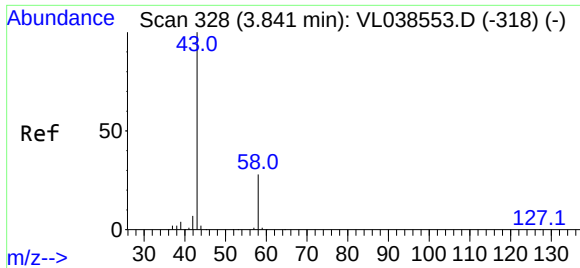
Reviewed By :Semsettin Yesilyurt 03/19/2022
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#13
Ethanol
Concen: 21.170 ppbv
RT: 3.610 min Scan# 256
Delta R.T. 0.010 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

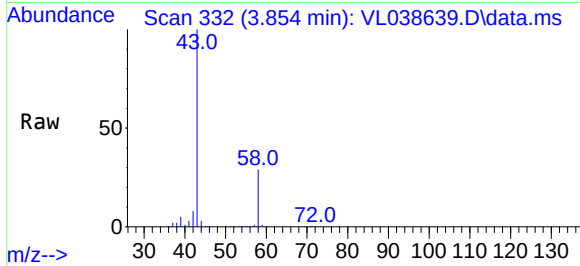
Tgt Ion: 45 Resp: 125946
Ion Ratio Lower Upper
45 100
46 43.5 16.8 67.0





#15
Acetone
Concen: 17.449 ppbv
RT: 3.854 min Scan# 318
Delta R.T. 0.013 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

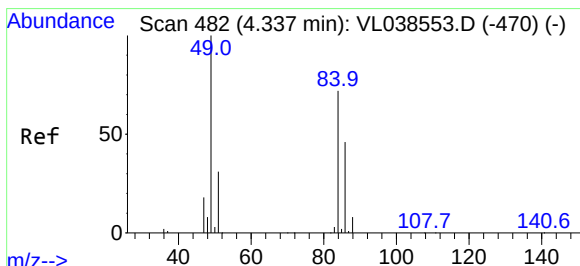
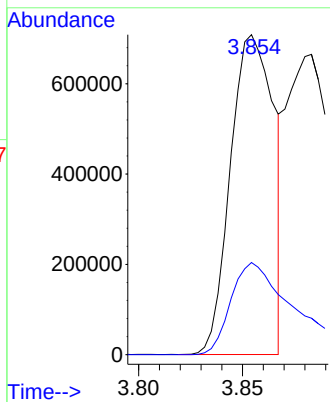
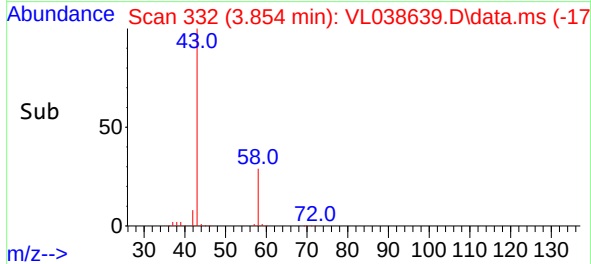
Instrument :
MSVOA_L
ClientSampleId :
COPA7



Tgt Ion: 43 Resp: 1024539
Ion Ratio Lower Upper
43 100
58 48.0 22.7 34.1

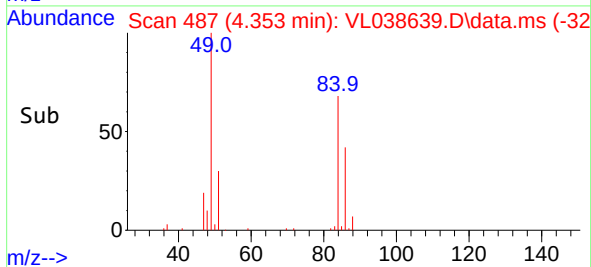
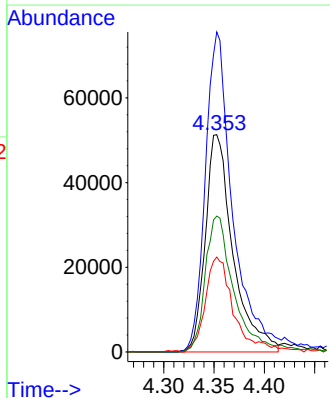
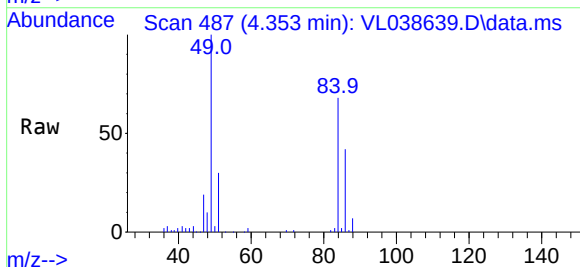
Manual Integrations
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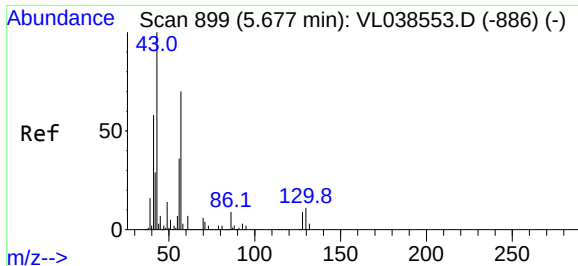
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#20
Methylene Chloride
Concen: 2.788 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

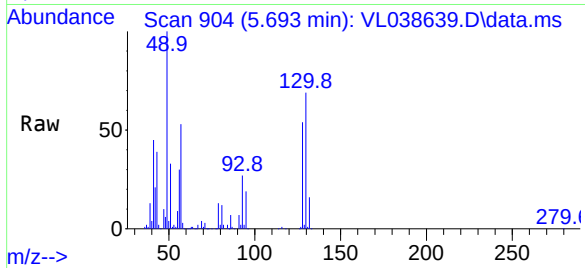
Tgt Ion: 84 Resp: 98495
Ion Ratio Lower Upper
84 100
49 147.3 111.1 166.7
51 43.1 34.0 51.0
86 62.5 50.9 76.3





#26
Hexane
Concen: 1.570 ppbv
RT: 5.693 min Scan# 904
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

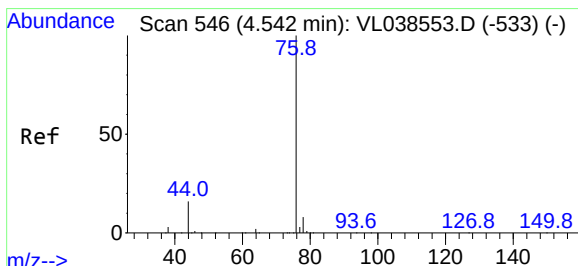
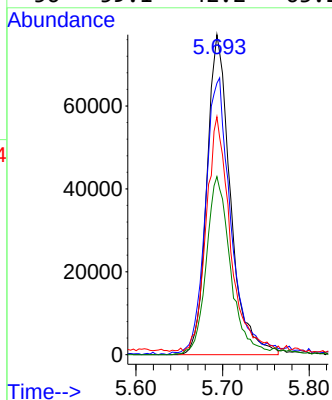
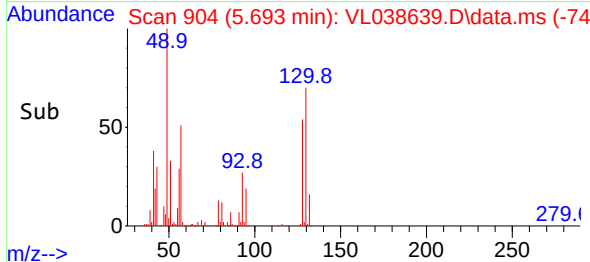
Instrument :
MSVOA_L
ClientSampleId :
C0PA7



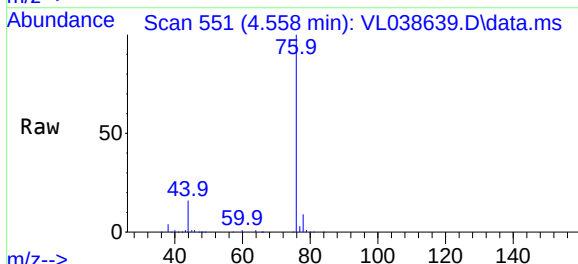
Tgt Ion: 57 Resp: 14583
Ion Ratio Lower Upper
57 100
41 97.4 67.8 101.6
43 77.1 173.6 260.4
56 59.1 42.2 63.2

Manual Integrations
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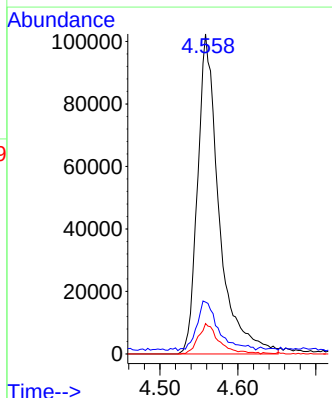
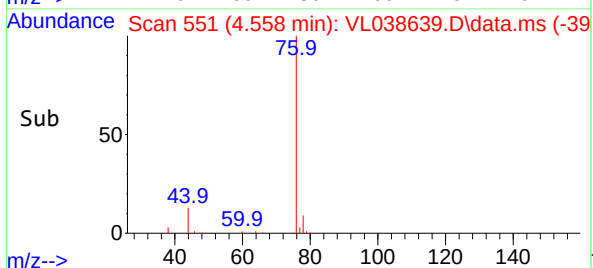
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

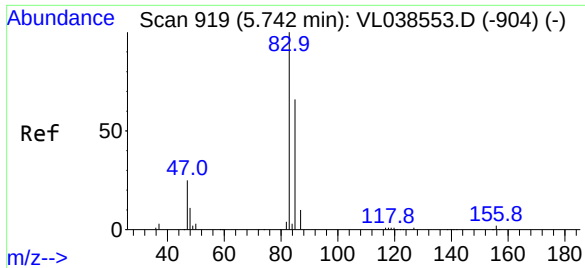


#27
Carbon Disulfide
Concen: 2.123 ppbv
RT: 4.558 min Scan# 551
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45



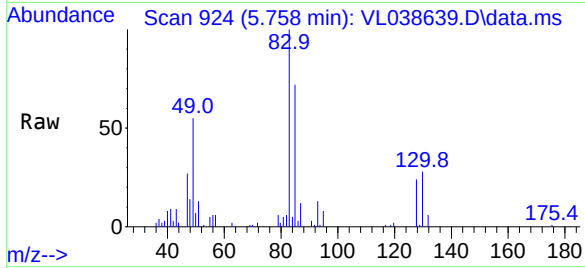
Tgt Ion: 76 Resp: 196310
Ion Ratio Lower Upper
76 100
44 15.7 12.9 19.3
78 9.4 7.8 11.6





#29
Chloroform
Concen: 0.335 ppbv
RT: 5.758 min Scan# 919
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

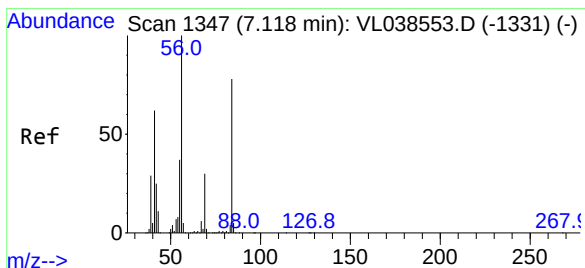
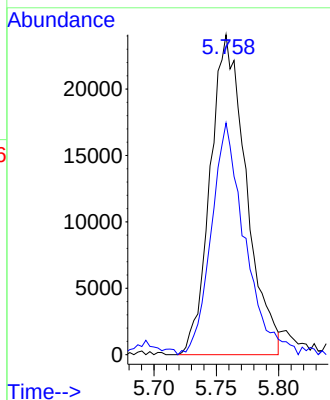
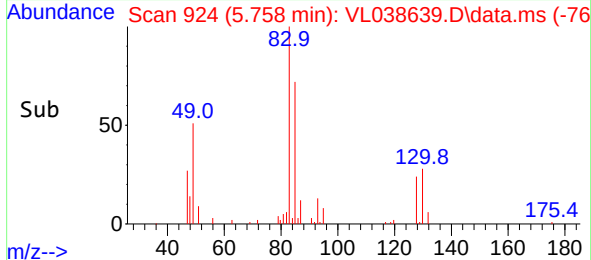
Instrument :
MSVOA_L
ClientSampleId :
C0PA7



Tgt Ion: 83 Resp: 48370
Ion Ratio Lower Upper
83 100
85 72.4 52.8 79.2

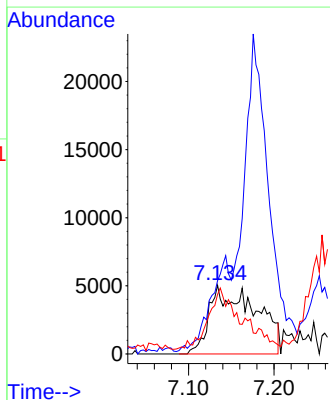
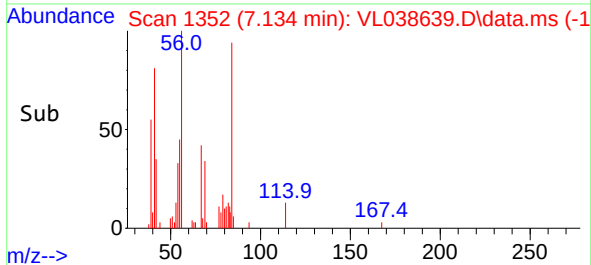
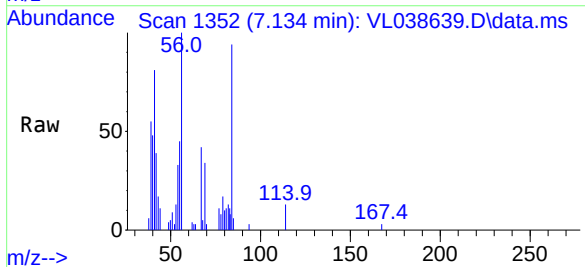
Manual Integrations
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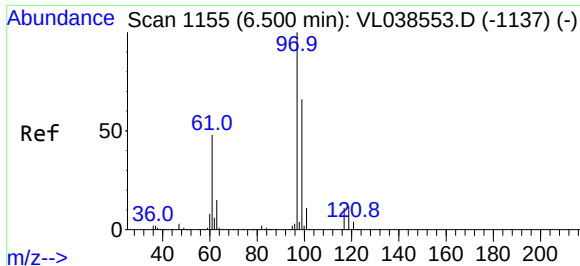
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#30
Cyclohexane
Concen: 0.232 ppbv m
RT: 7.134 min Scan# 1352
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

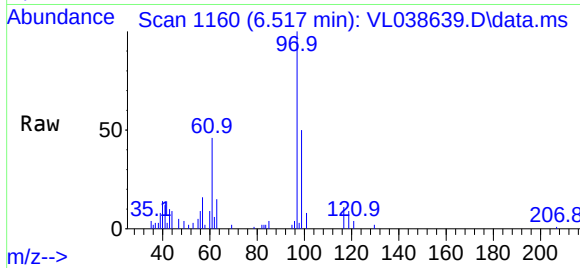
Tgt Ion: 84 Resp: 18633
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 69.9 65.5 98.3





#32
1,1,1-Trichloroethane
Concen: 0.196 ppbv
RT: 6.517 min Scan# 1155
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

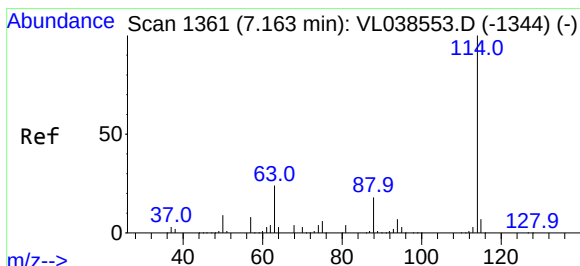
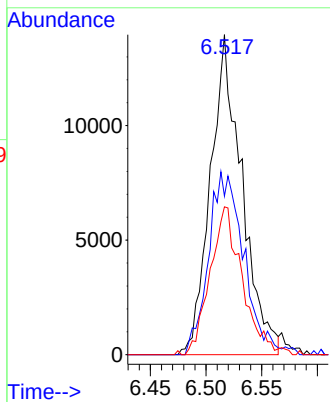
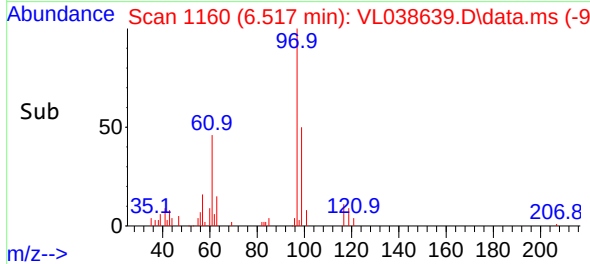
Instrument :
MSVOA_L
ClientSampleId :
COPA7



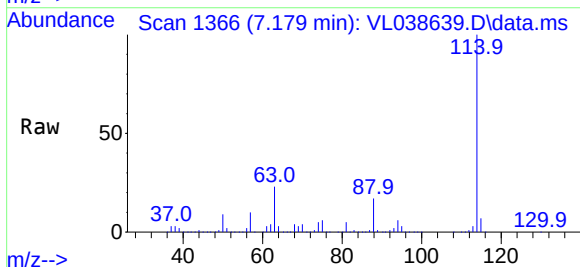
Tgt Ion: 97 Resp: 27490
Ion Ratio Lower Upper
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99 64.4 52.1 78.1
61 47.5 37.7 56.5

Manual Integrations
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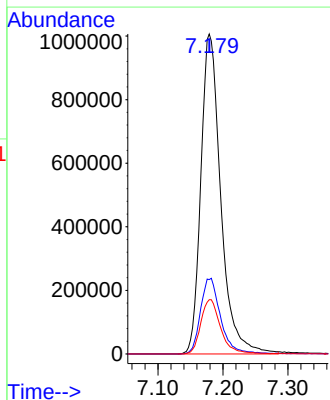
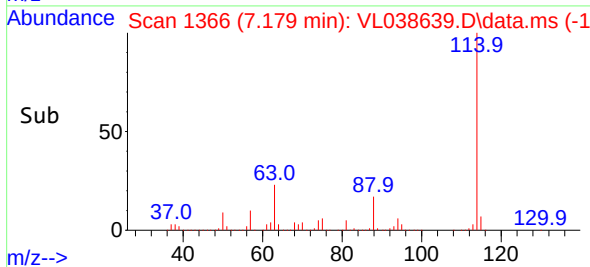
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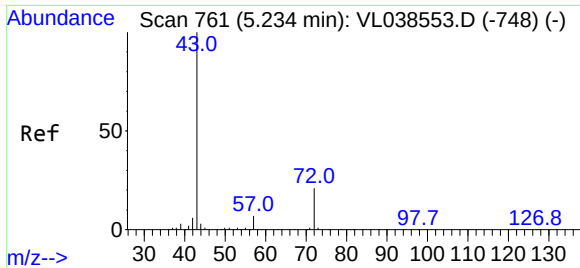


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45



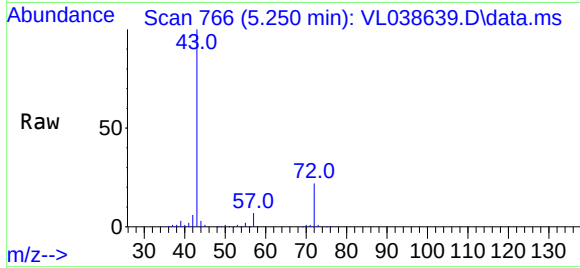
Tgt Ion:114 Resp: 2153350
Ion Ratio Lower Upper
114 100
63 24.1 19.6 29.4
88 17.1 13.9 20.9





#34
2-Butanone
Concen: 12.537 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

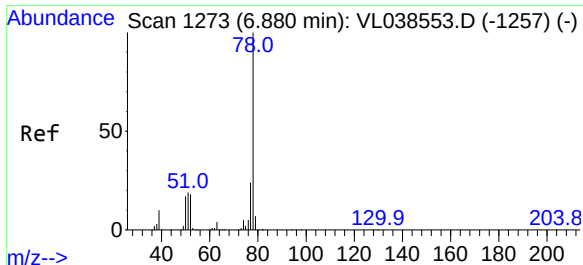
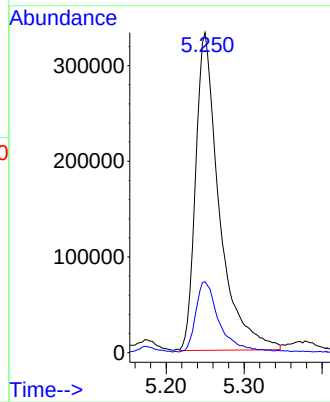
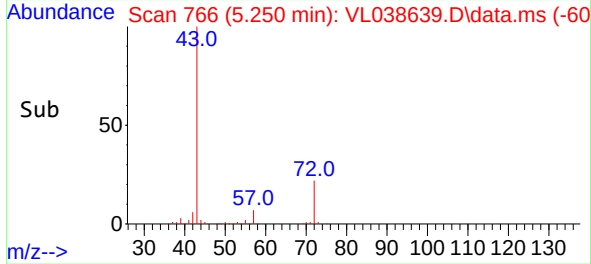
Instrument :
MSVOA_L
ClientSampleId :
COPA7



Tgt Ion: 43 Resp: 699774
Ion Ratio Lower Upper
43 100
72 22.8 17.8 26.6

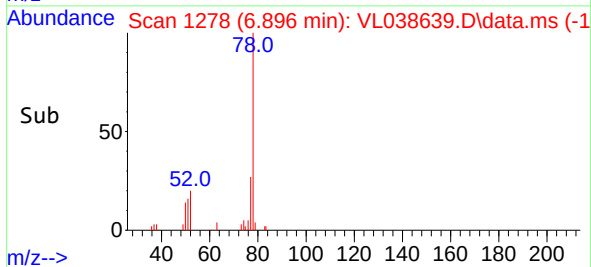
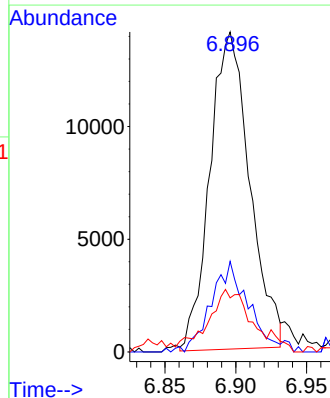
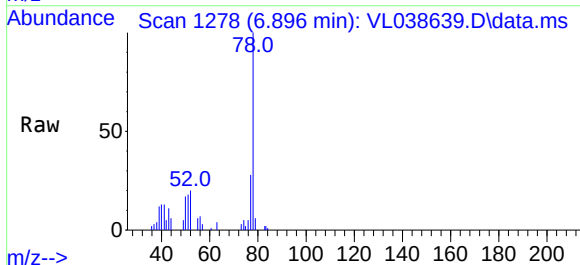
Manual Integrations
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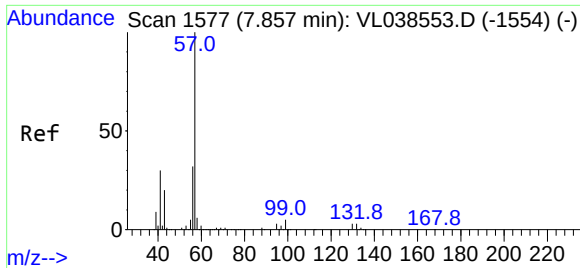
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#36
Benzene
Concen: 0.142 ppbv
RT: 6.896 min Scan# 1278
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

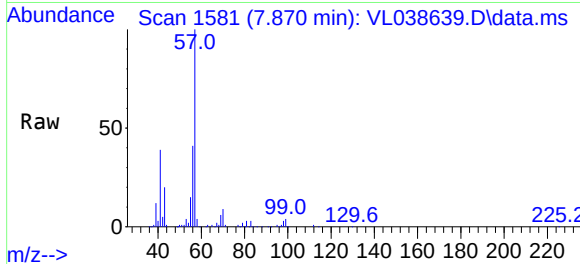
Tgt Ion: 78 Resp: 27524
Ion Ratio Lower Upper
78 100
77 27.1 19.0 28.4
50 13.7 13.9 20.9#





#44
2,2,4-Trimethylpentane
Concen: 0.997 ppbv
RT: 7.870 min Scan# 1577
Delta R.T. 0.013 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

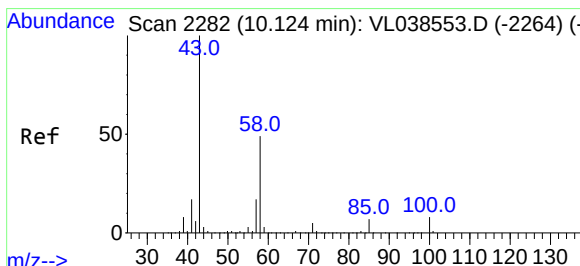
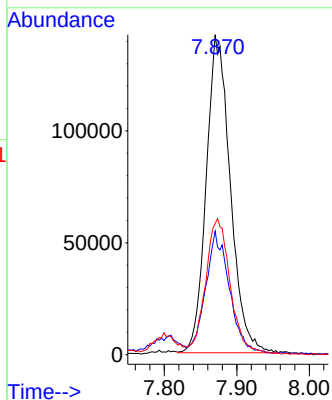
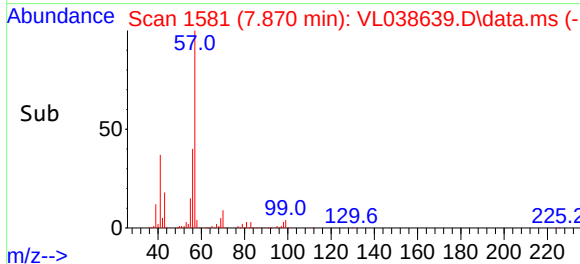
Instrument :
MSVOA_L
ClientSampleId :
C0PA7



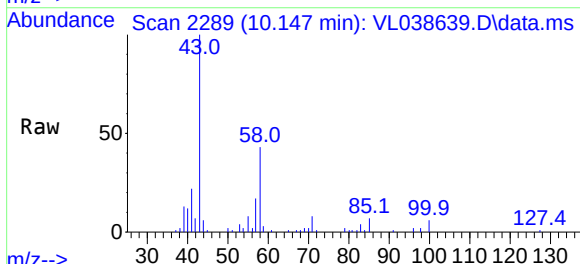
Tgt Ion: 57 Resp: 327586
Ion Ratio Lower Upper
57 100
41 38.8 24.0 36.0
56 44.8 25.6 38.4

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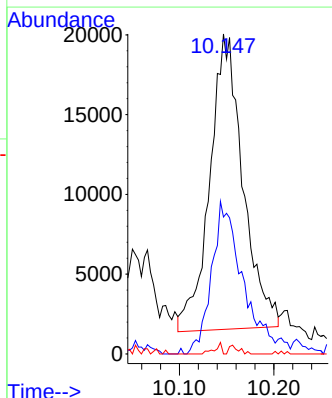
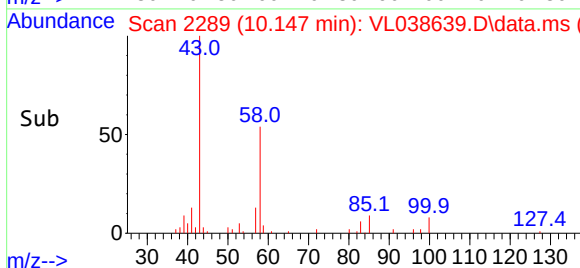
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

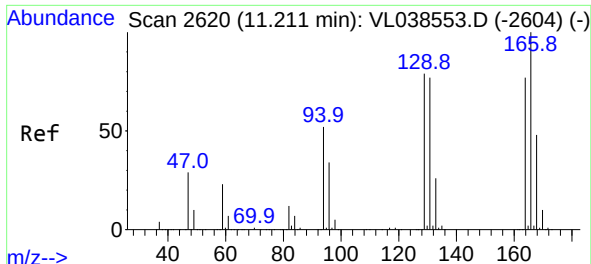


#51
2-Hexanone
Concen: 0.931 ppbv
RT: 10.147 min Scan# 2289
Delta R.T. 0.023 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45



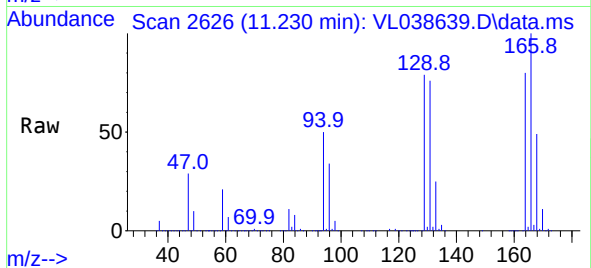
Tgt Ion: 43 Resp: 45036
Ion Ratio Lower Upper
43 100
58 51.6 40.1 60.1
98 1.6 0.4 0.6





#52
Tetrachloroethene
Concen: 35.529 ppbv
RT: 11.230 min Scan# 2184
Delta R.T. 0.019 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

Instrument :
MSVOA_L
ClientSampleId :
C0PA7

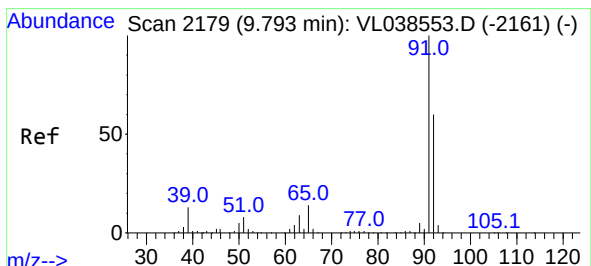
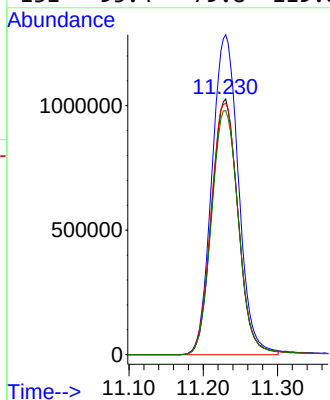
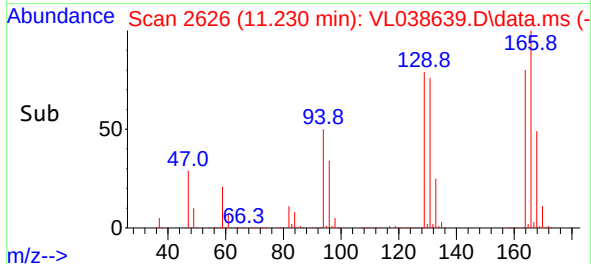


Tgt Ion:164 Resp: 253052

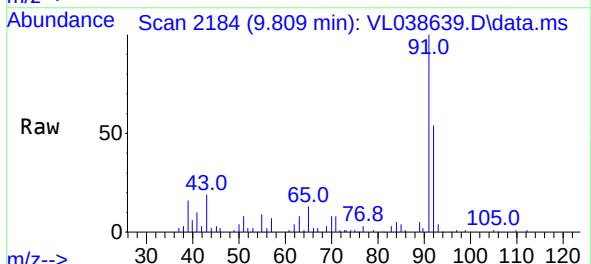
Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.4	155.2
129	98.3	81.3	121.9
131	95.4	79.8	119.8

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Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

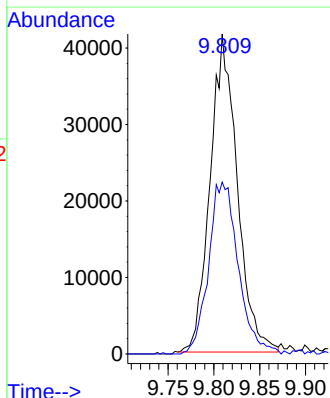
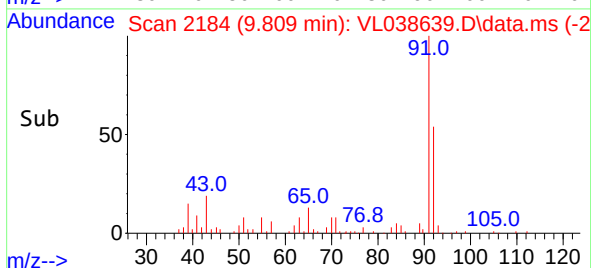


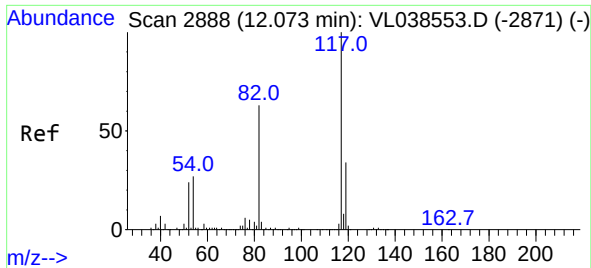
#53
Toluene
Concen: 0.413 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45



Tgt Ion: 91 Resp: 85623

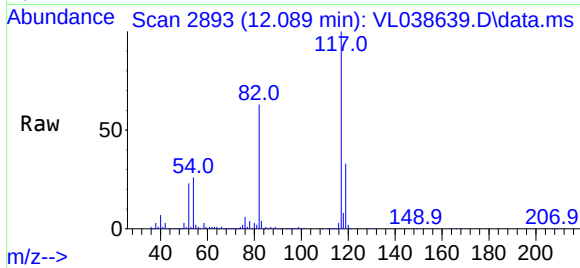
Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.1	72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2888
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45

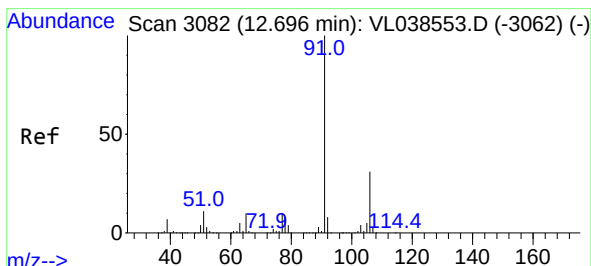
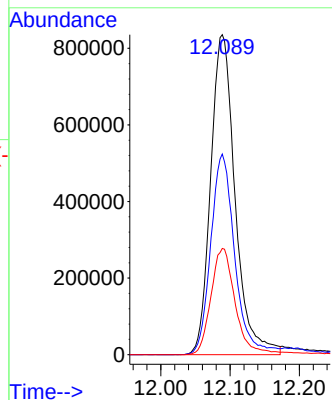
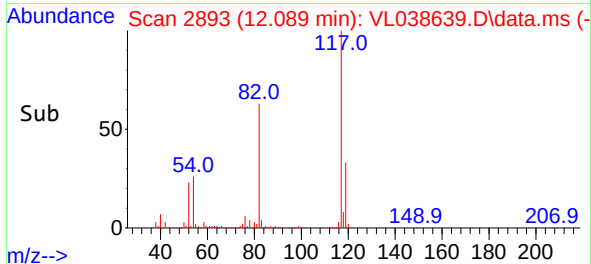
Instrument :
MSVOA_L
ClientSampleId :
COPA7



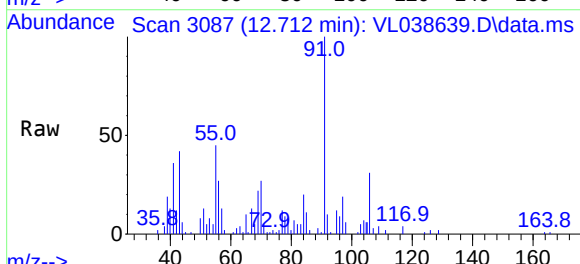
Tgt Ion: 117 Resp: 204762
Ion Ratio Lower Upper
117 100
82 61.7 52.5 78.7
119 34.3 46.4 69.6

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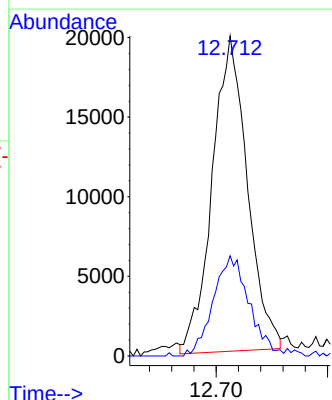
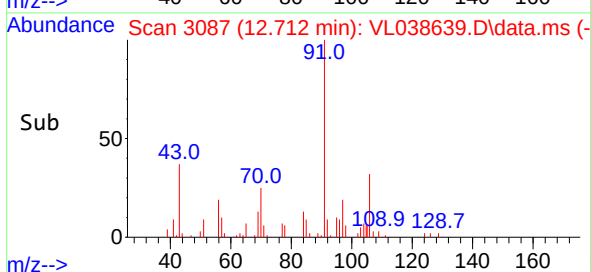
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

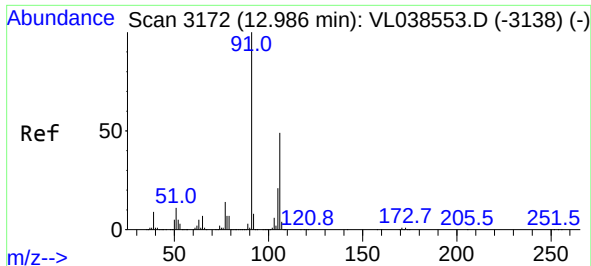


#58
Ethyl Benzene
Concen: 0.164 ppbv
RT: 12.712 min Scan# 3087
Delta R.T. 0.016 min
Lab File: VL038639.D
Acq: 17 Mar 2022 23:45



Tgt Ion: 91 Resp: 43375
Ion Ratio Lower Upper
91 100
106 32.5 24.6 37.0





#59

m/p-Xylene

Concen: 0.244 ppbv m

RT: 12.970 min Scan# 3167

Delta R.T. -0.016 min

Lab File: VL038639.D

Acq: 17 Mar 2022 23:45

Instrument :

MSVOA_L

ClientSampleId :

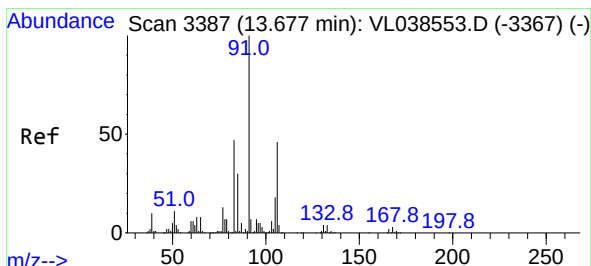
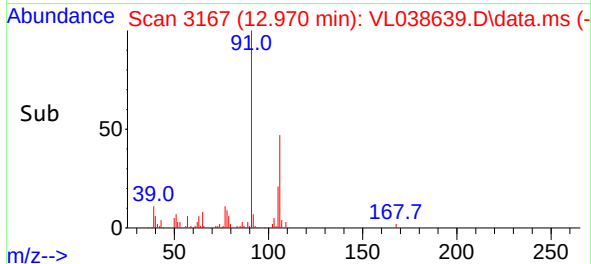
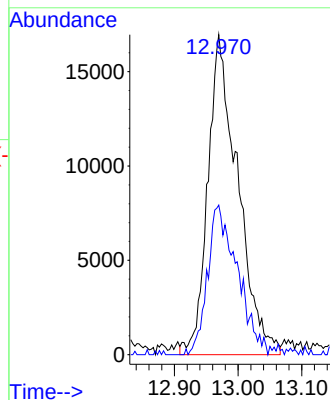
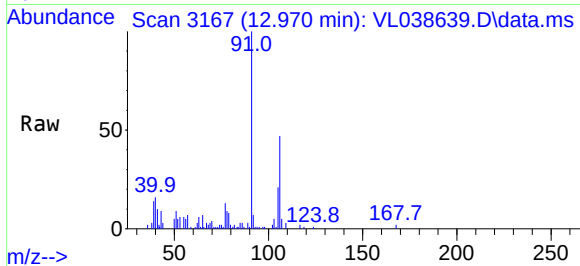
COPA7

Tgt Ion: 91 Resp: 55437
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.1 55.7

Manual Integrations

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 Supervised By :Mahesh Dadoda 03/21/2022



#60

o-Xylene

Concen: 0.121 ppbv m

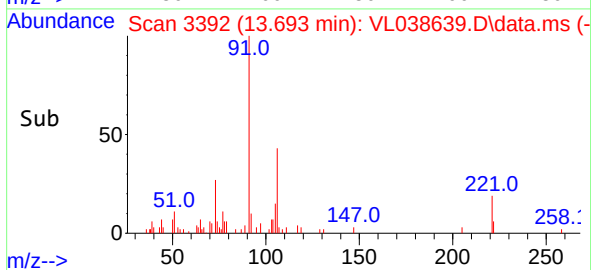
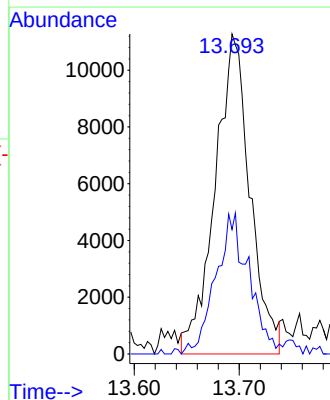
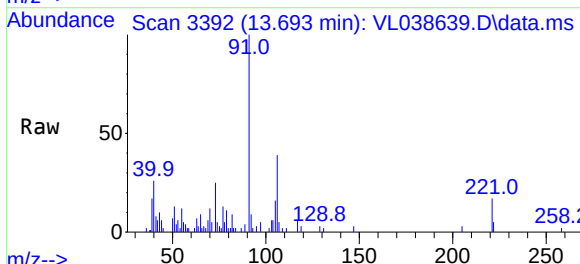
RT: 13.693 min Scan# 3392

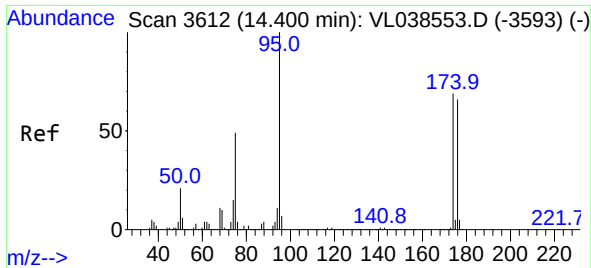
Delta R.T. 0.016 min

Lab File: VL038639.D

Acq: 17 Mar 2022 23:45

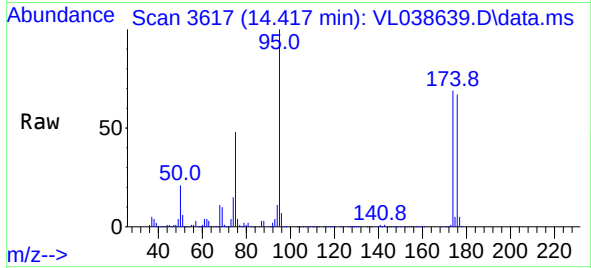
Tgt Ion: 91 Resp: 26037
 Ion Ratio Lower Upper
 91 100
 106 44.6 23.5 70.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.252 ppbv
 RT: 14.417 min Scan# 30
 Delta R.T. 0.016 min
 Lab File: VL038639.D
 Acq: 17 Mar 2022 23:45

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA7



Tgt Ion: 95 Resp: 144040
 Ion Ratio Lower Upper
 95 100
 174 72.1 56.2 84.4
 175 5.2 4.2 6.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022

