

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038642.D
 Acq On : 18 Mar 2022 1:44
 Operator : SY/AP
 Sample : N1965-11DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA8DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 03:42:39 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 0

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	5.668	49	833204	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	2143710	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.089	117	1889174	10.000	ppbv	# 0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1335183	9.296	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.054	85	25766	0.205	ppbv	97
3) Chlorodifluoromethane	2.993	51	32108	0.219	ppbv	94
4) Chloromethane	3.150	50	8271	0.152	ppbv	90
9) Propene	3.028	41	87172	1.682	ppbv #	82
11) Trichlorofluoromethane	3.960	101	22853	0.207	ppbv	97
13) Ethanol	3.610	45	92368	15.511	ppbv	95
15) Acetone	3.851	43	1103895	18.783	ppbv #	88
17) tert-Butyl alcohol	4.305	59	20665	0.324	ppbv #	88
19) Isopropyl Alcohol	3.980	45	37675	0.960	ppbv #	92
20) Methylene Chloride	4.353	84	8231	0.233	ppbv #	83
29) Chloroform	5.758	83	14068	0.097	ppbv	83
34) 2-Butanone	5.250	43	692390	12.461	ppbv	97
35) Carbon Tetrachloride	7.028	117	8223m	0.056	ppbv	
51) 2-Hexanone	10.150	43	62661m	1.302	ppbv	
52) Tetrachloroethene	11.224	164	108404	1.529	ppbv	97
53) Toluene	9.809	91	52681m	0.255	ppbv	
59) m/p-Xylene	12.976	91	29900m	0.143	ppbv	

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

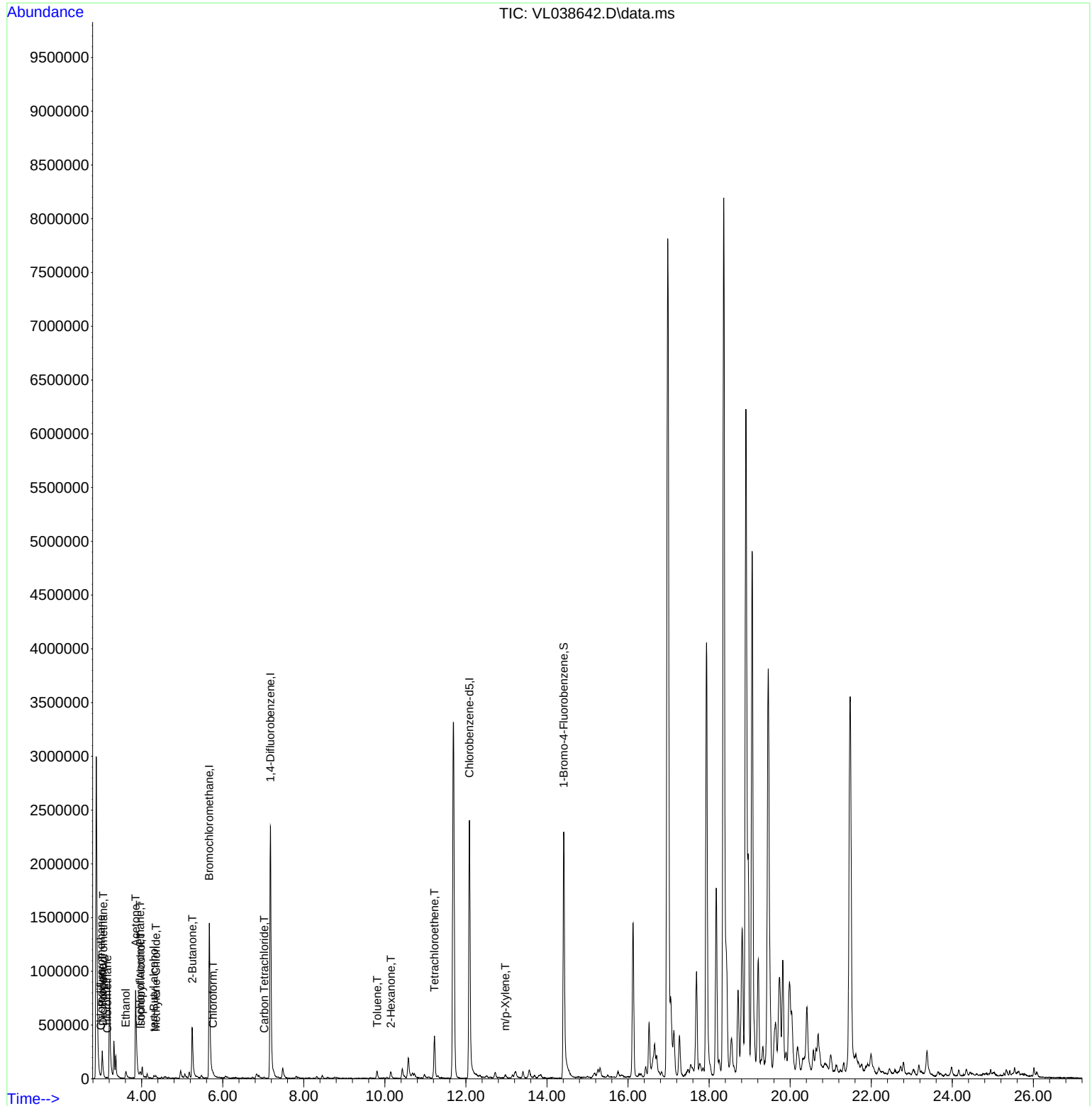
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
Data File : VL038642.D
Acq On : 18 Mar 2022 1:44
Operator : SY/AP
Sample : N1965-11DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

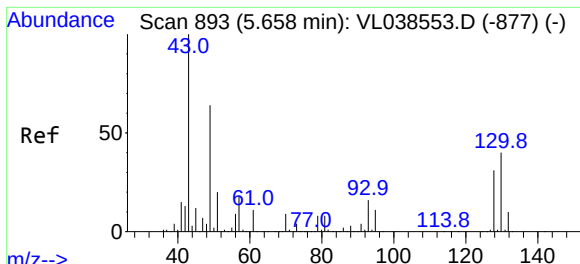
Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP

Quant Time: Mar 18 03:42:39 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

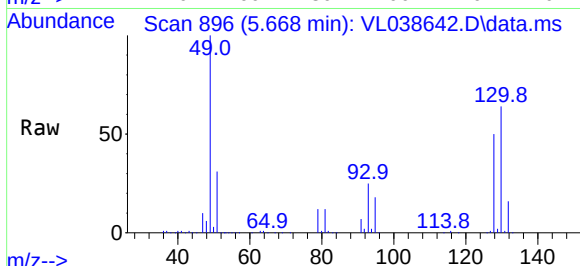
Reviewed By : Semsettin Yesilyurt 03/19/2022
Supervised By : Mahesh Dadoda 03/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. 0.010 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

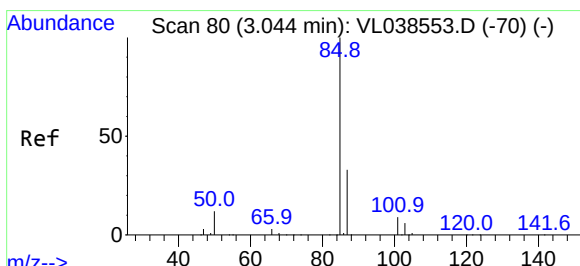
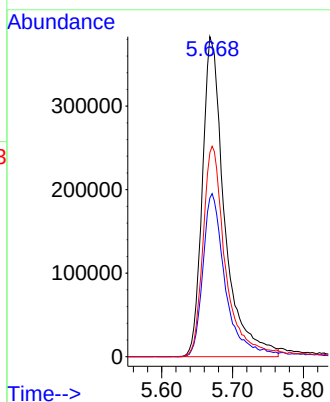
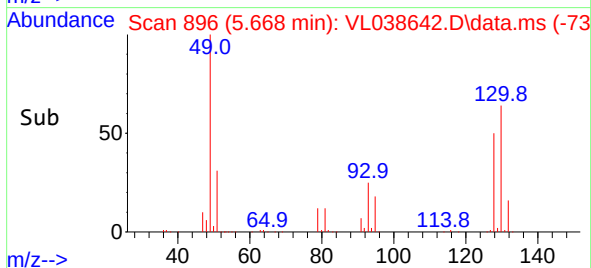
Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP



Tgt Ion: 49 Resp: 833204
Ion Ratio Lower Upper
49 100
128 53.5 26.4 79.2
130 68.6 33.0 98.9

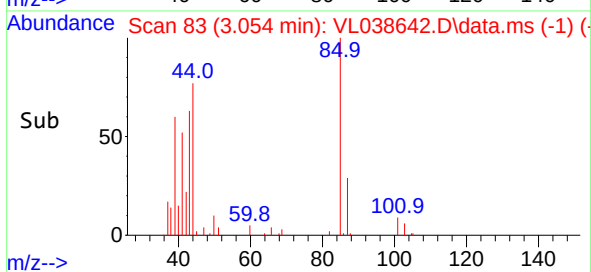
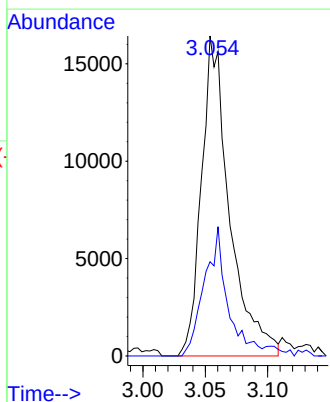
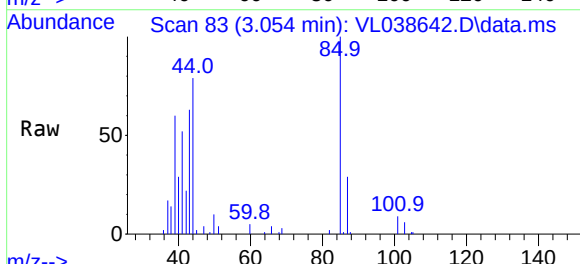
Manual Integrations
APPROVED

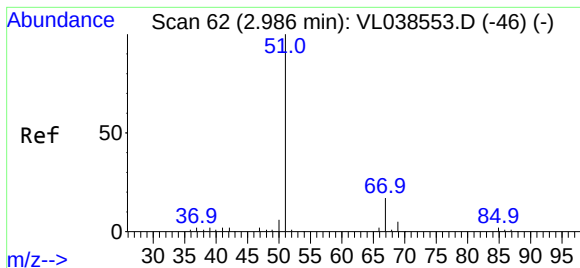
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#2
Dichlorodifluoromethane
Concen: 0.205 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.010 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

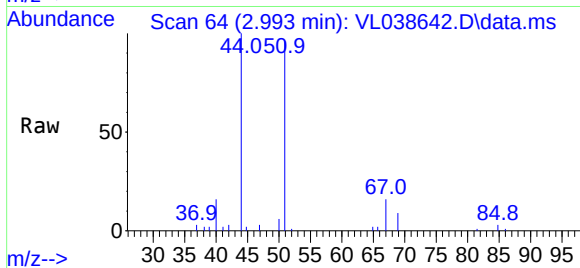
Tgt Ion: 85 Resp: 25766
Ion Ratio Lower Upper
85 100
87 30.8 26.2 39.2





#3
Chlorodifluoromethane
Concen: 0.219 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.007 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

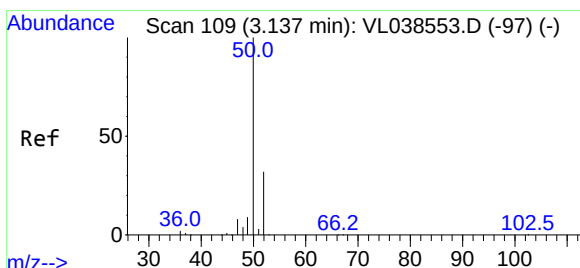
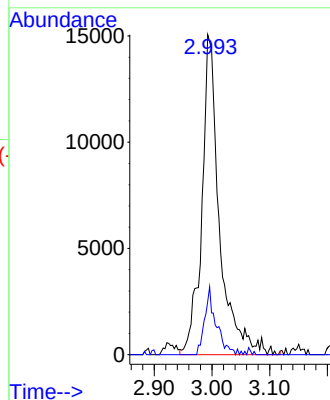
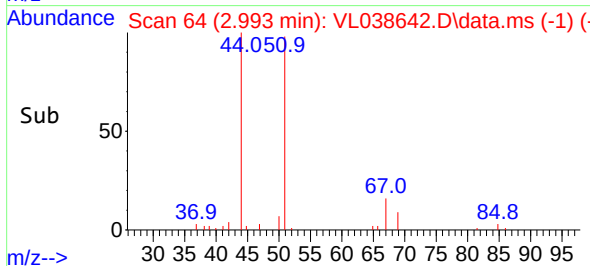
Instrument :
MSVOA_L
ClientSampleId :
COPA8DUP



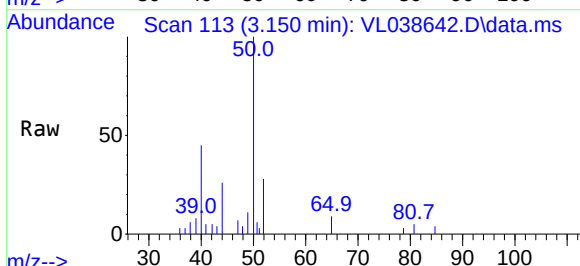
Tgt Ion: 51 Resp: 32108
Ion Ratio Lower Upper
51 100
67 14.2 13.6 20.4

Manual Integrations
APPROVED

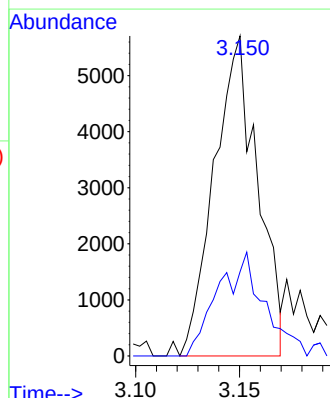
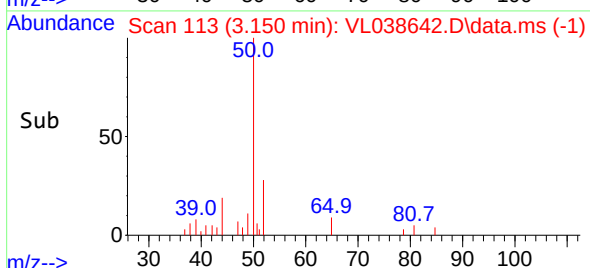
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

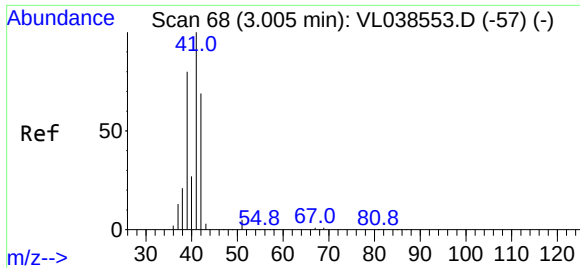


#4
Chloromethane
Concen: 0.152 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44



Tgt Ion: 50 Resp: 8271
Ion Ratio Lower Upper
50 100
52 26.3 25.6 38.4





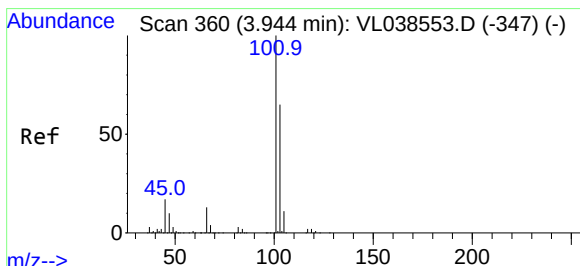
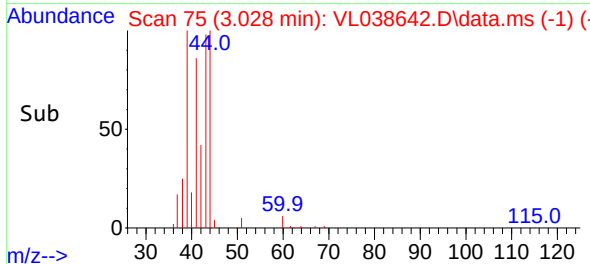
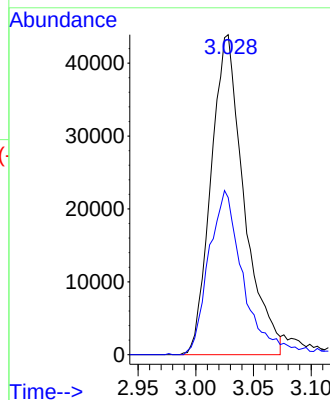
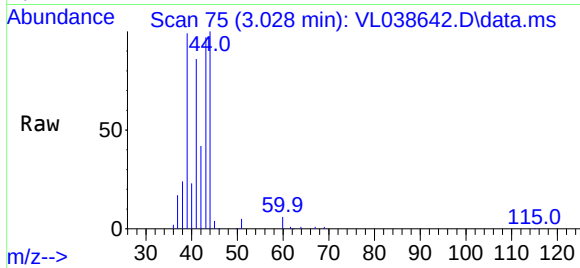
#9
Propene
Concen: 1.682 ppbv
RT: 3.028 min Scan# 70
Delta R.T. 0.023 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP

Tgt Ion: 41 Resp: 87172
Ion Ratio Lower Upper
41 100
42 54.7 55.7 83.5

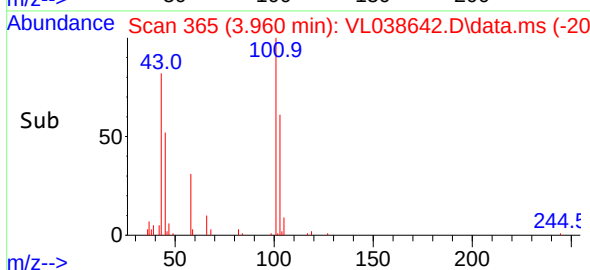
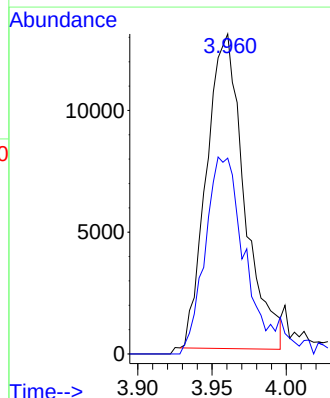
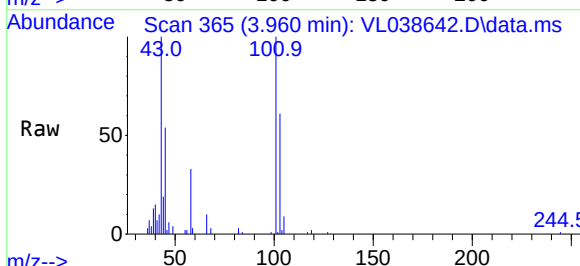
Manual Integrations
APPROVED

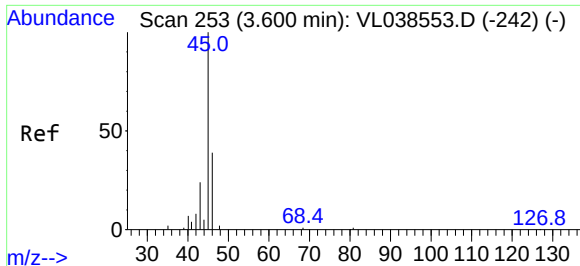
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

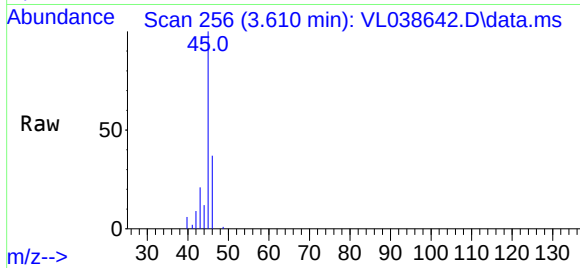
Tgt Ion:101 Resp: 22853
Ion Ratio Lower Upper
101 100
103 62.4 52.0 78.0





#13
Ethanol
Concen: 15.511 ppbv
RT: 3.610 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

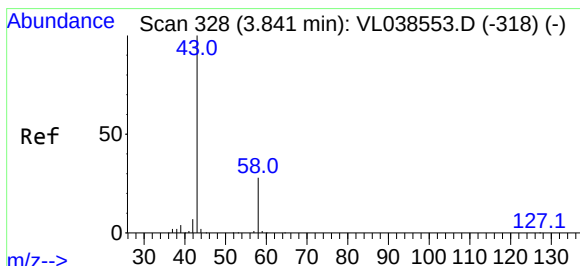
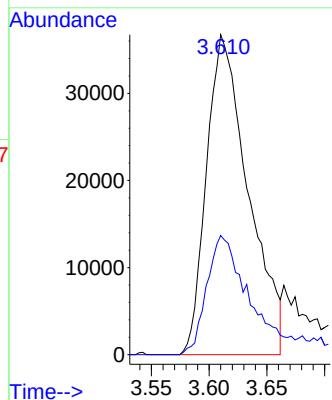
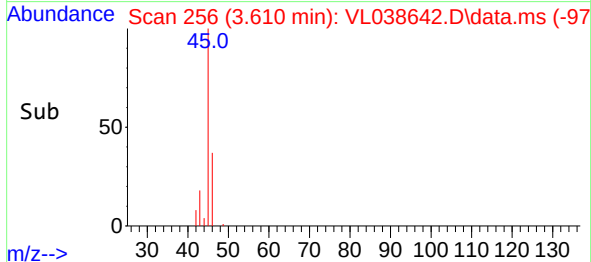
Instrument :
MSVOA_L
ClientSampleId :
COPA8DUP



Tgt Ion: 45 Resp: 92368
Ion Ratio Lower Upper
45 100
46 44.9 16.8 67.0

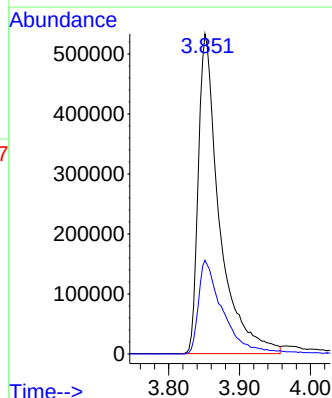
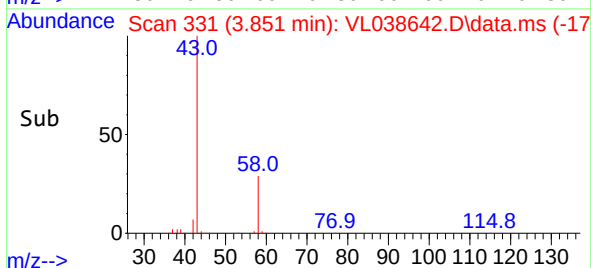
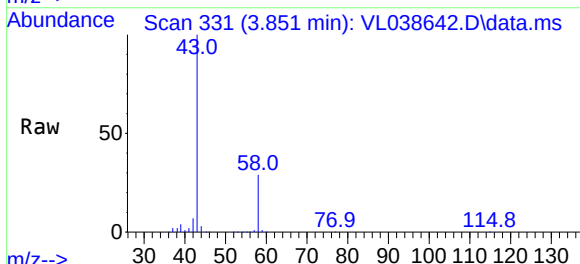
Manual Integrations
APPROVED

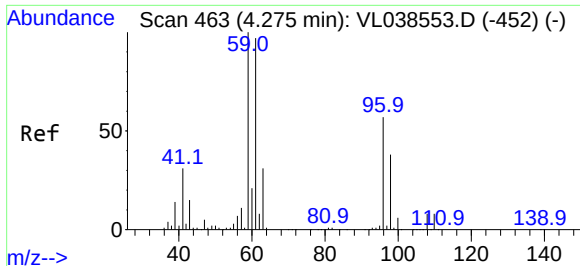
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#15
Acetone
Concen: 18.783 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.010 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Tgt Ion: 43 Resp: 1103895
Ion Ratio Lower Upper
43 100
58 34.9 22.7 34.1#





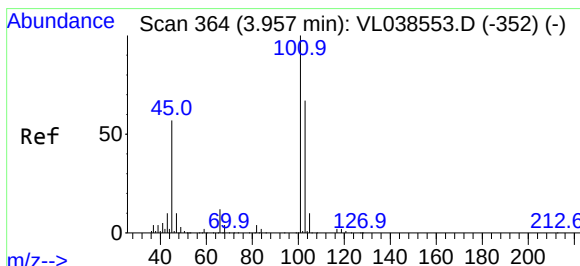
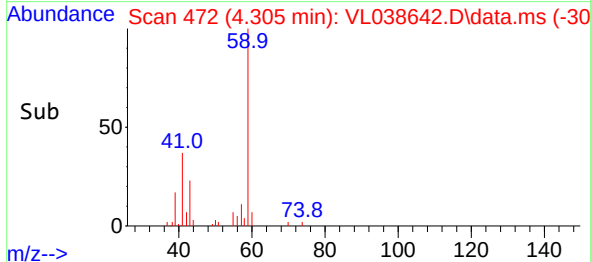
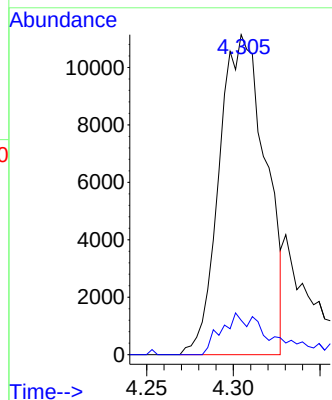
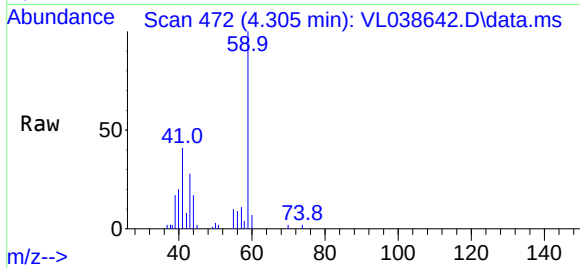
#17
tert-Butyl alcohol
Concen: 0.324 ppbv
RT: 4.305 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP

Tgt Ion: 59 Resp: 2066
Ion Ratio Lower Upper
59 100
57 14.7 8.1 12.1

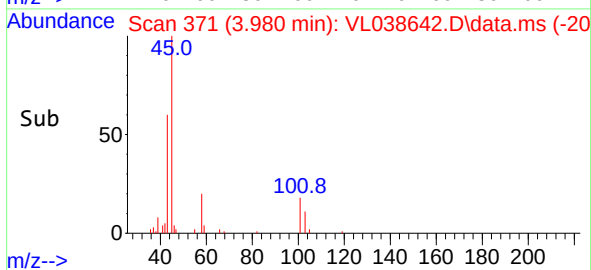
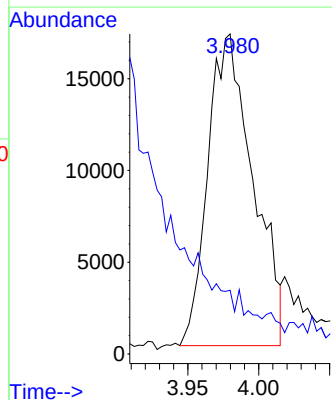
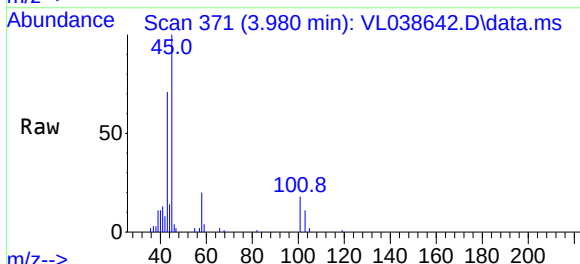
Manual Integrations
APPROVED

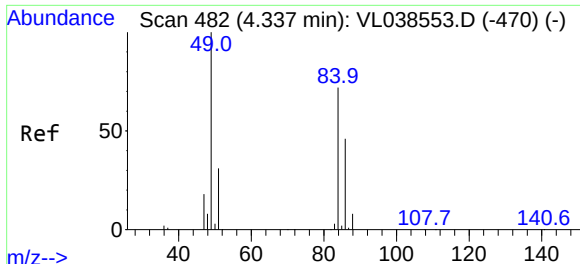
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#19
Isopropyl Alcohol
Concen: 0.960 ppbv
RT: 3.980 min Scan# 371
Delta R.T. 0.023 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

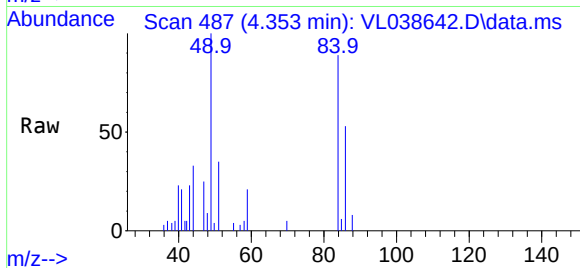
Tgt Ion: 45 Resp: 37675
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.2#





#20
Methylene Chloride
Concen: 0.233 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

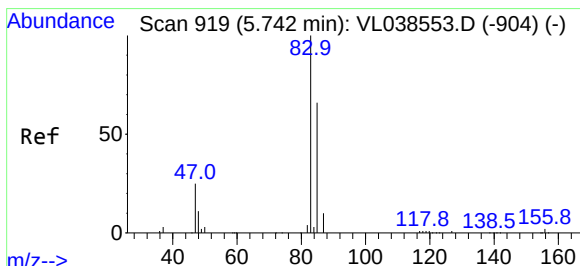
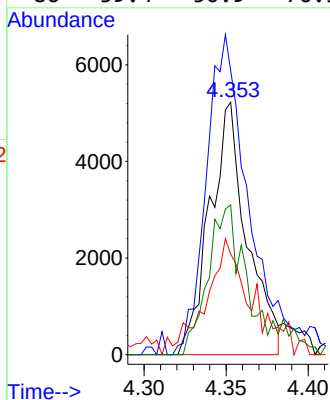
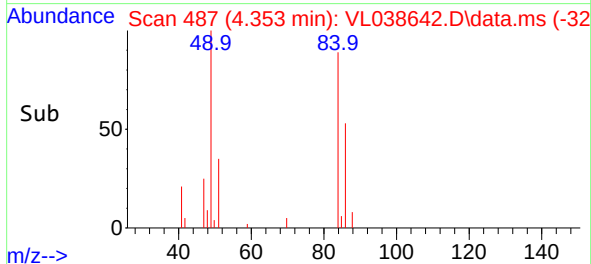
Instrument :
MSVOA_L
ClientSampleId :
COPA8DUP



Tgt Ion: 84 Resp: 823
Ion Ratio Lower Upper
84 100
49 109.8 111.1 166.7
51 34.9 34.0 51.0
86 59.4 50.9 76.3

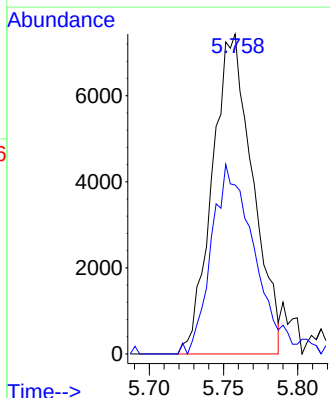
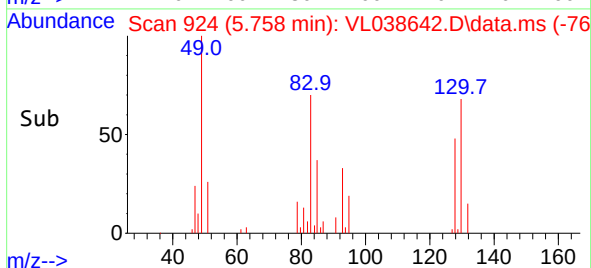
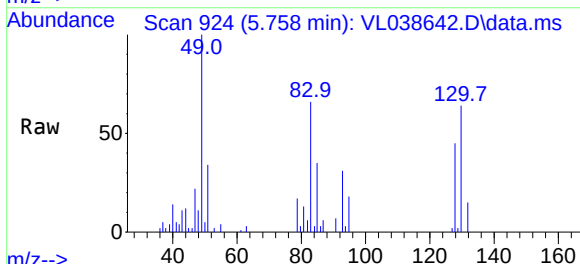
Manual Integrations
APPROVED

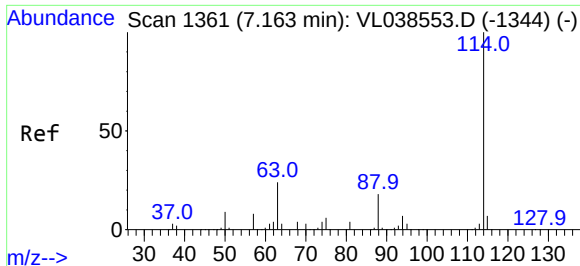
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#29
Chloroform
Concen: 0.097 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Tgt Ion: 83 Resp: 14068
Ion Ratio Lower Upper
83 100
85 52.8 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Instrument :

MSVOA_L

ClientSampleId :

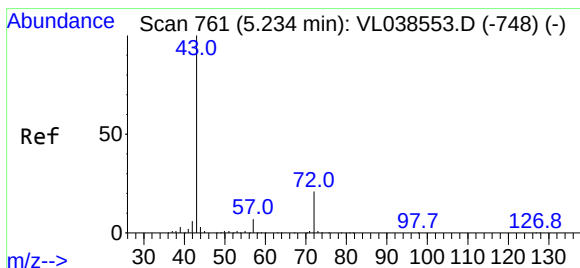
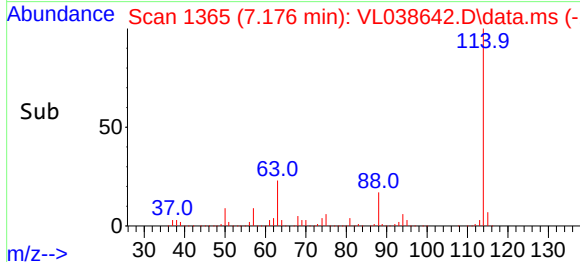
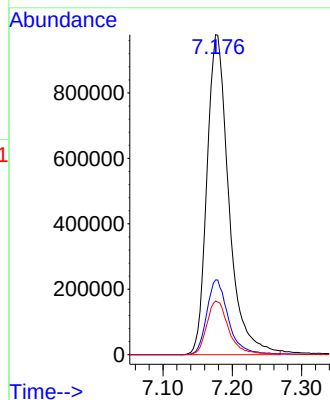
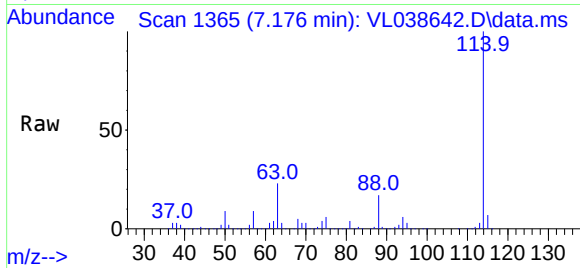
C0PA8DUP

Tgt Ion:114 Resp: 2143710
Ion Ratio Lower Upper
114 100
63 23.4 19.6 29.4
88 17.0 13.9 20.9

Manual Integrations

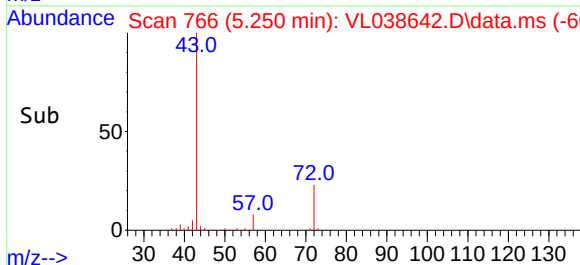
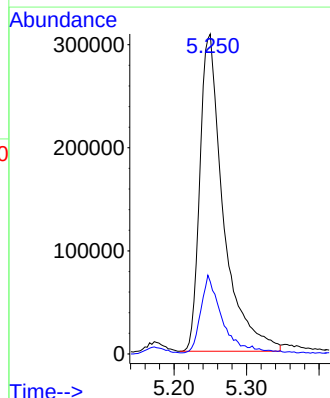
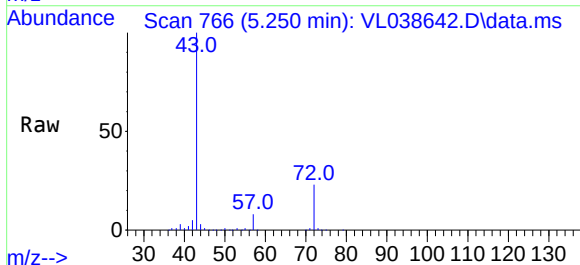
APPROVED

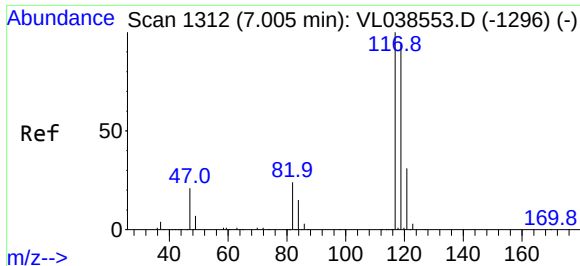
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#34
2-Butanone
Concen: 12.461 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

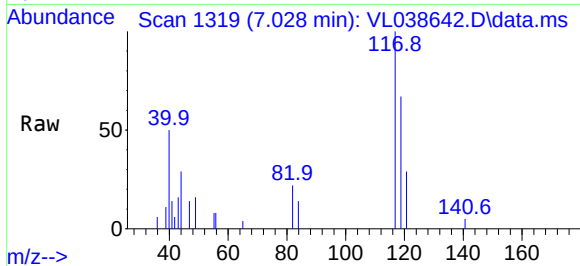
Tgt Ion: 43 Resp: 692390
Ion Ratio Lower Upper
43 100
72 23.7 17.8 26.6





#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.028 min Scan# 117
Delta R.T. 0.023 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

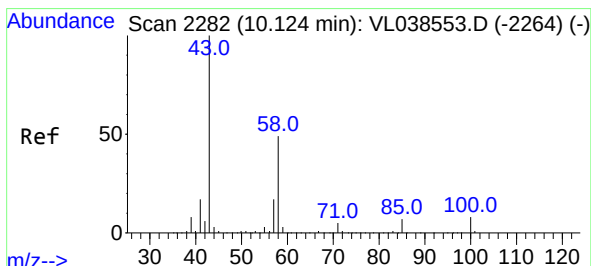
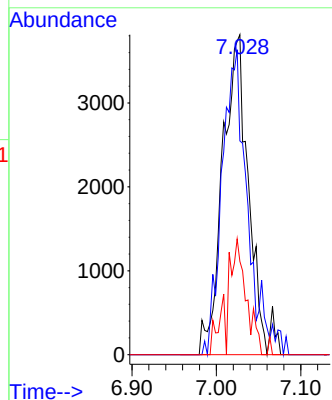
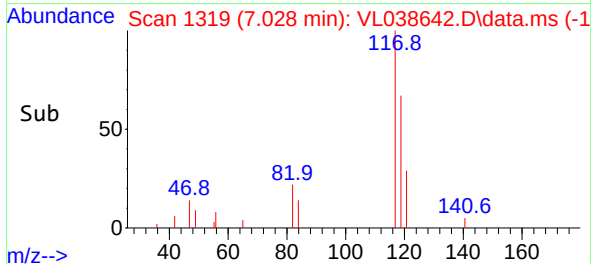
Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP



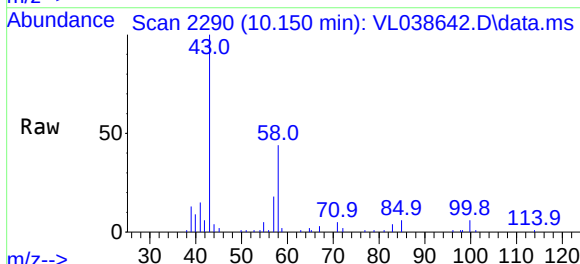
Tgt Ion: 117 Resp: 822
Ion Ratio Lower Upper
117 100
119 66.8 75.2 112.8
121 29.2 24.8 37.2

Manual Integrations
APPROVED

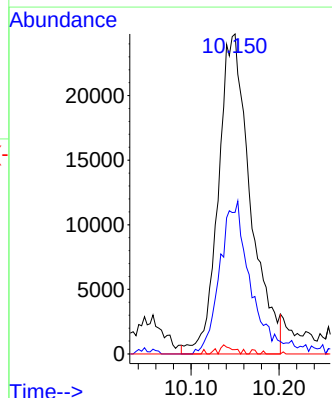
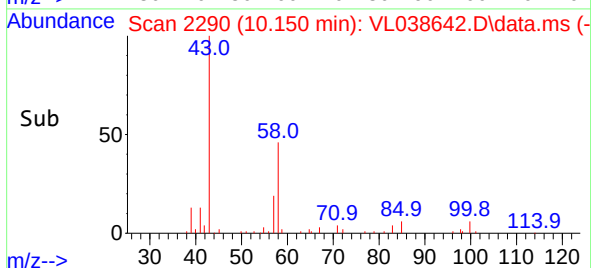
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

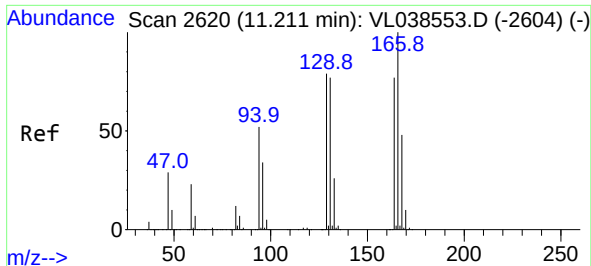


#51
2-Hexanone
Concen: 1.302 ppbv m
RT: 10.150 min Scan# 2290
Delta R.T. 0.026 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44



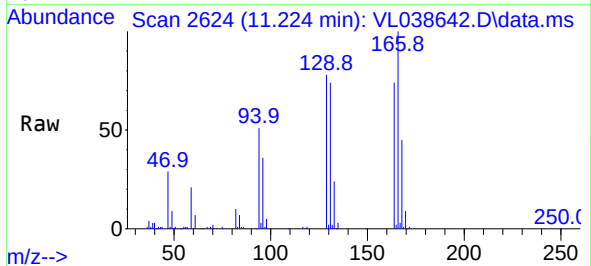
Tgt Ion: 43 Resp: 62661
Ion Ratio Lower Upper
43 100
58 0.0 40.1 60.1#
98 1.4 0.4 0.6#





#52
Tetrachloroethene
Concen: 1.529 ppbv
RT: 11.224 min Scan# 2184
Delta R.T. 0.013 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

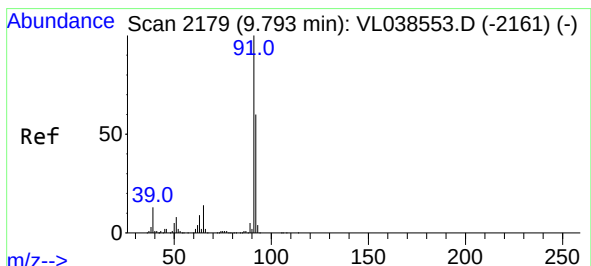
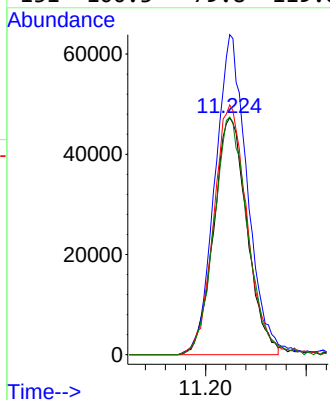
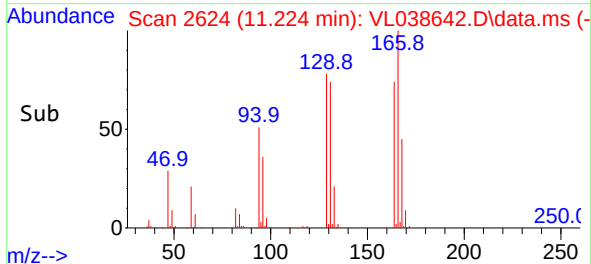
Instrument :
MSVOA_L
ClientSampleId :
C0PA8DUP



Tgt Ion:164 Resp: 108404
Ion Ratio Lower Upper
164 100
166 135.1 103.4 155.2
129 105.4 81.3 121.9
131 100.3 79.8 119.8

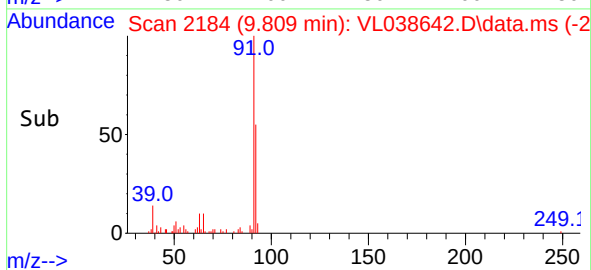
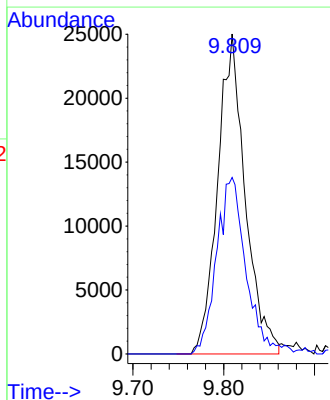
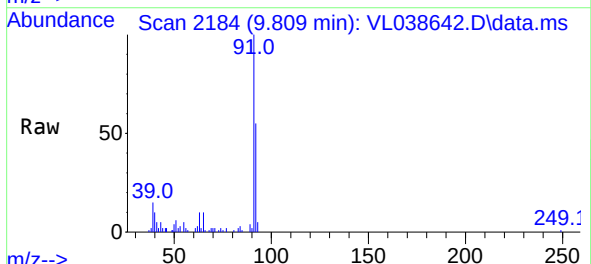
Manual Integrations
APPROVED

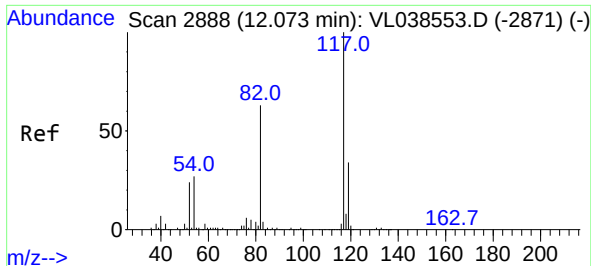
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#53
Toluene
Concen: 0.255 ppbv m
RT: 9.809 min Scan# 2184
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Tgt Ion: 91 Resp: 52681
Ion Ratio Lower Upper
91 100
92 59.5 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

Instrument :

MSVOA_L

ClientSampleId :

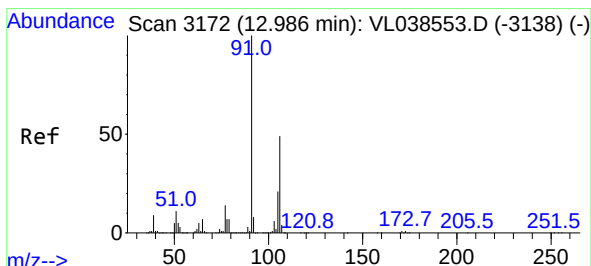
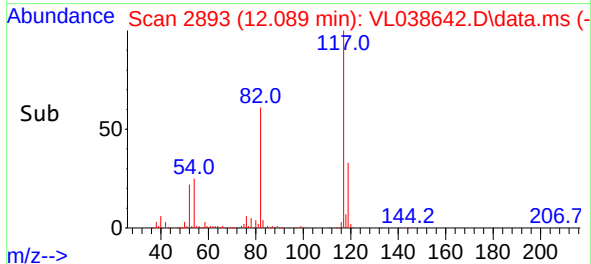
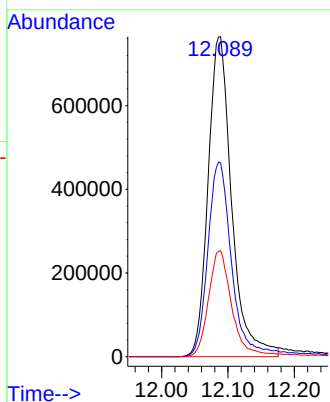
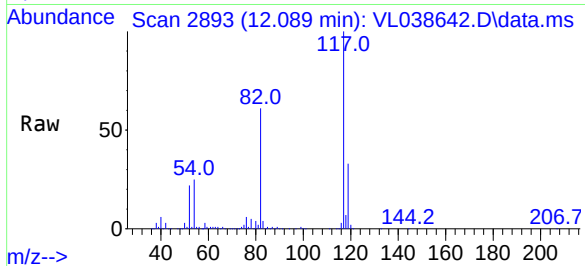
COPA8DUP

Tgt Ion:117 Resp: 1889174
Ion Ratio Lower Upper
117 100
82 64.0 52.5 78.7
119 33.6 46.4 69.6

Manual Integrations

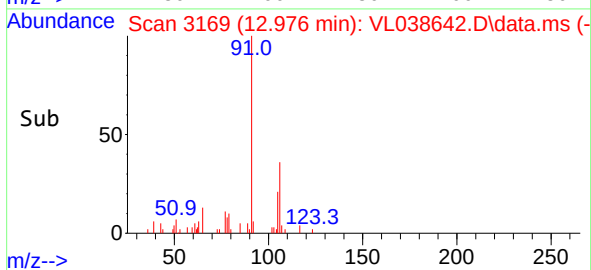
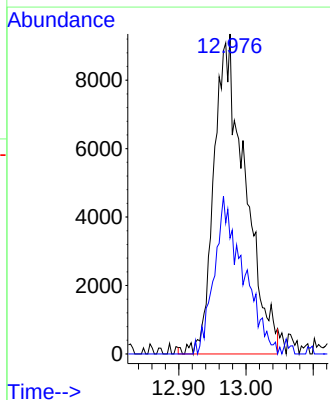
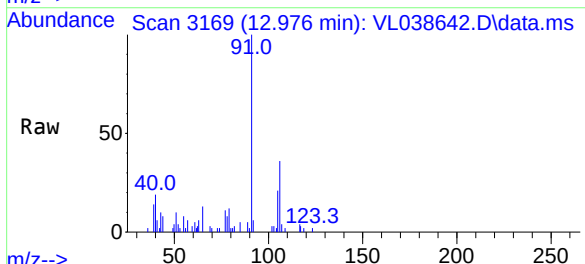
APPROVED

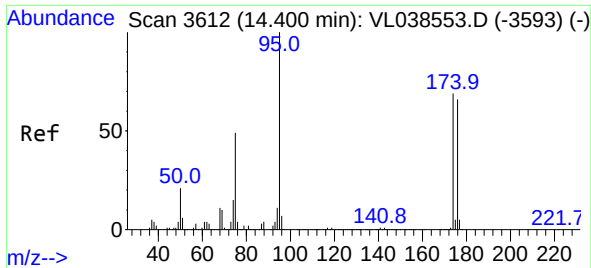
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#59
m/p-Xylene
Concen: 0.143 ppbv m
RT: 12.976 min Scan# 3169
Delta R.T. -0.009 min
Lab File: VL038642.D
Acq: 18 Mar 2022 1:44

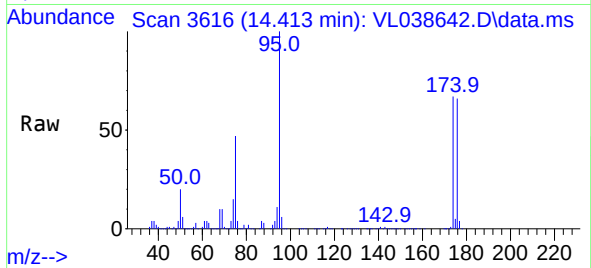
Tgt Ion: 91 Resp: 29900
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.296 ppbv
 RT: 14.413 min Scan# 30
 Delta R.T. 0.013 min
 Lab File: VL038642.D
 Acq: 18 Mar 2022 1:44

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA8DUP



Tgt Ion: 95 Resp: 133518

Ion	Ratio	Lower	Upper
95	100		
174	73.6	56.2	84.4
175	5.4	4.2	6.2

Manual Integrations
 APPROVED

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

