

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038641.D
 Acq On : 18 Mar 2022 1:04
 Operator : SY/AP
 Sample : N1965-11
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA8

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 03:41:59 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.671	49	879753	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.179	114	2171438	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.086	117	1977268	10.000	ppbv	# 0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	1397746	9.298	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	27789	0.209	ppbv	97
3) Chlorodifluoromethane	2.996	51	32435	0.209	ppbv	94
4) Chloromethane	3.150	50	8146	0.142	ppbv	98
9) Propene	3.028	41	87490	1.598	ppbv #	79
11) Trichlorofluoromethane	3.960	101	22860	0.196	ppbv	99
13) Ethanol	3.613	45	83602	13.296	ppbv	98
15) Acetone	3.854	43	1089969	17.564	ppbv #	88
17) tert-Butyl alcohol	4.304	59	17519	0.260	ppbv #	89
19) Isopropyl Alcohol	3.983	45	33926	0.819	ppbv #	92
20) Methylene Chloride	4.356	84	9664m	0.259	ppbv	
34) 2-Butanone	5.250	43	648569	11.523	ppbv	95
35) Carbon Tetrachloride	7.025	117	7397m	0.050	ppbv	
51) 2-Hexanone	10.147	43	51848	1.063	ppbv #	99
52) Tetrachloroethene	11.221	164	104313	1.452	ppbv	95
53) Toluene	9.812	91	45716m	0.219	ppbv	
59) m/p-Xylene	12.970	91	26038m	0.119	ppbv	

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

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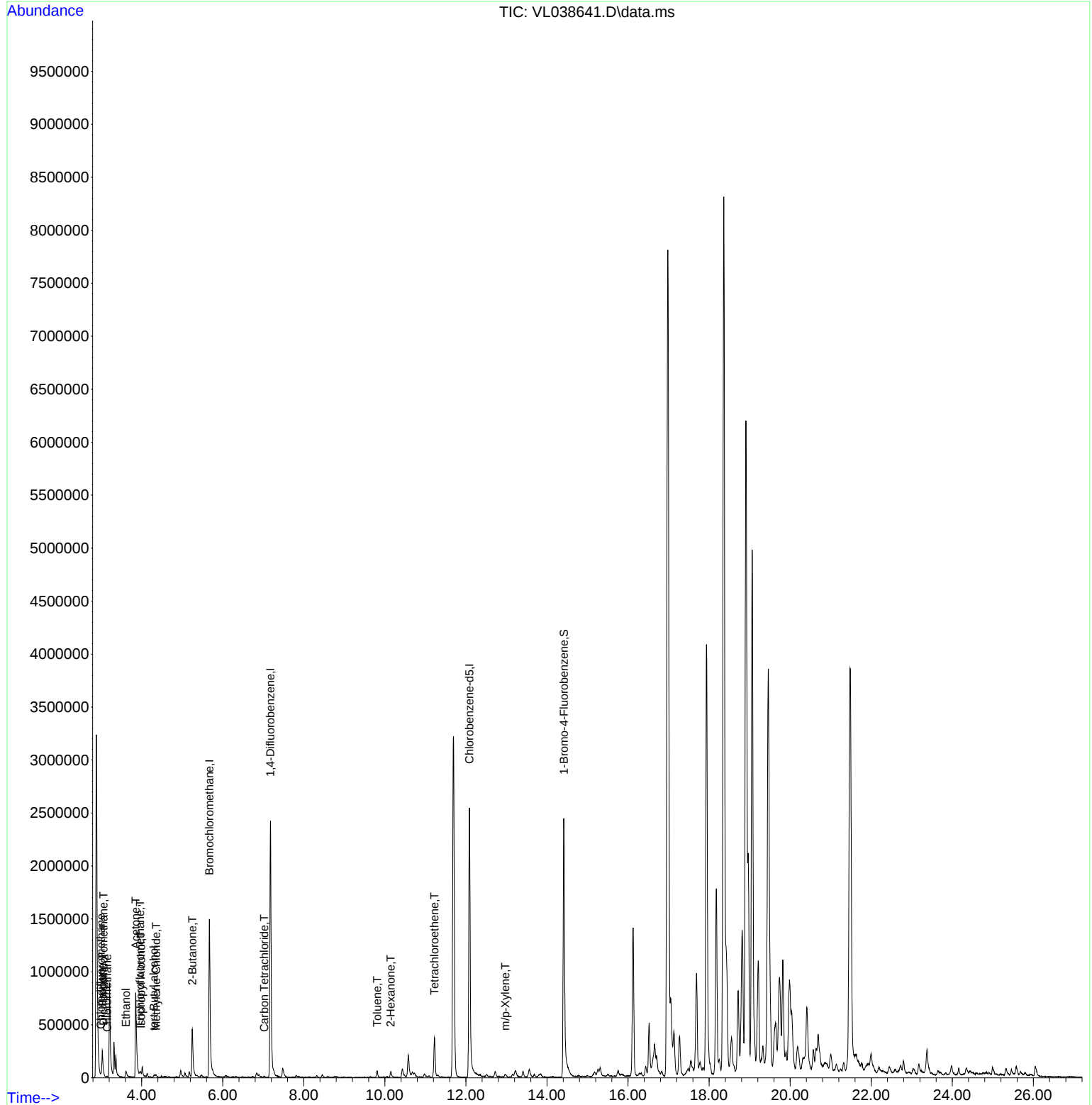
Quant Time: Mar 18 03:41:59 2022

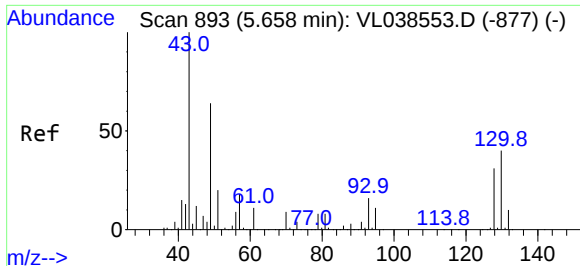
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

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

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

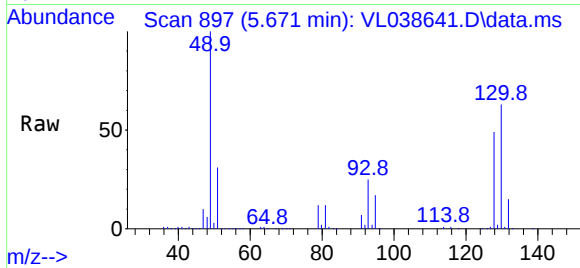
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

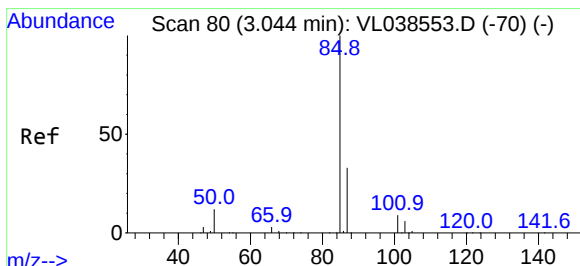
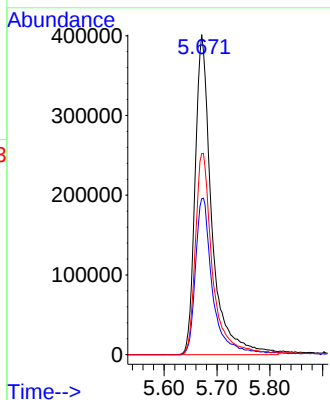
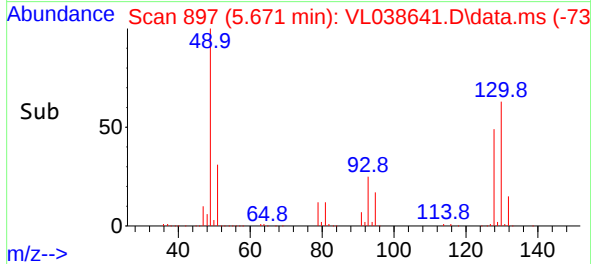
Instrument :
MSVOA_L
ClientSampleId :
COPA8



Tgt Ion: 49 Resp: 87975
Ion Ratio Lower Upper
49 100
128 50.0 26.4 79.2
130 66.2 33.0 98.9

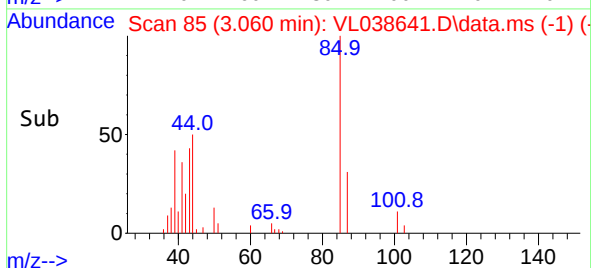
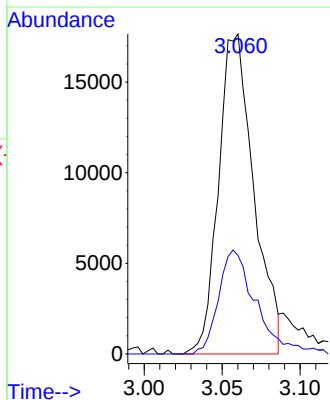
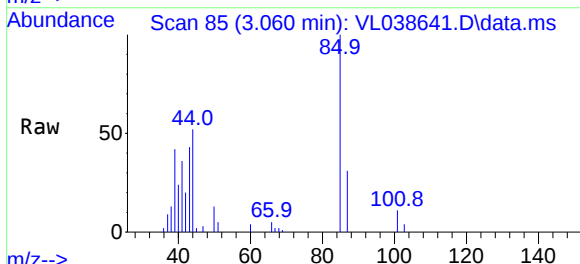
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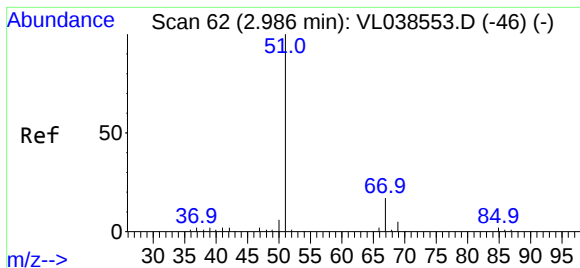
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#2
Dichlorodifluoromethane
Concen: 0.209 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.016 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

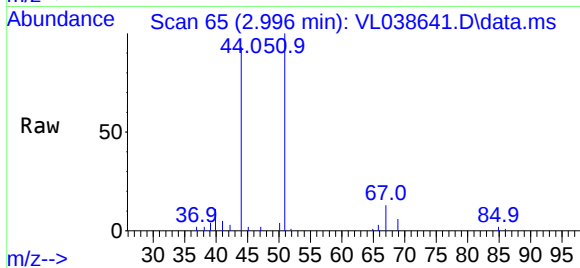
Tgt Ion: 85 Resp: 27789
Ion Ratio Lower Upper
85 100
87 30.8 26.2 39.2





#3
Chlorodifluoromethane
Concen: 0.209 ppbv
RT: 2.996 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

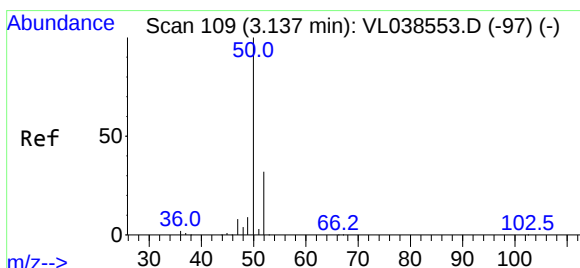
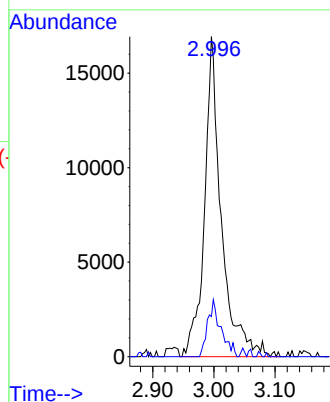
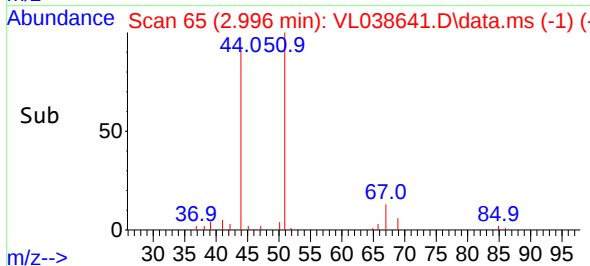
Instrument :
MSVOA_L
ClientSampleId :
COPA8



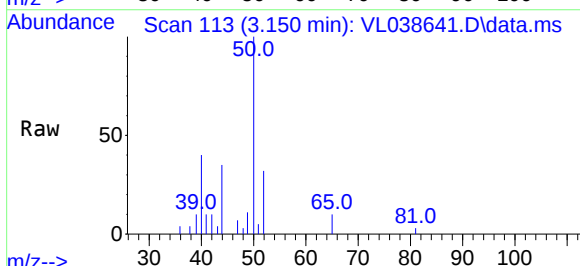
Tgt Ion: 51 Resp: 3243
Ion Ratio Lower Upper
51 100
67 14.5 13.6 20.4

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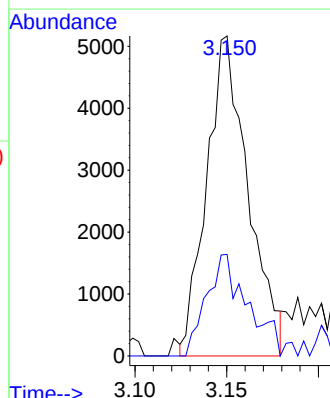
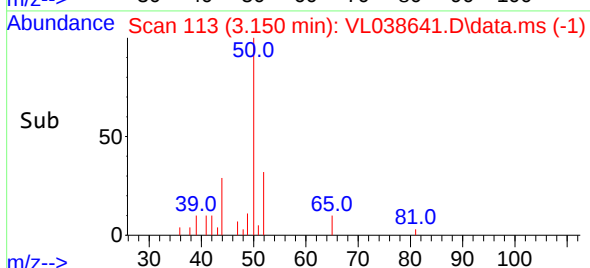
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

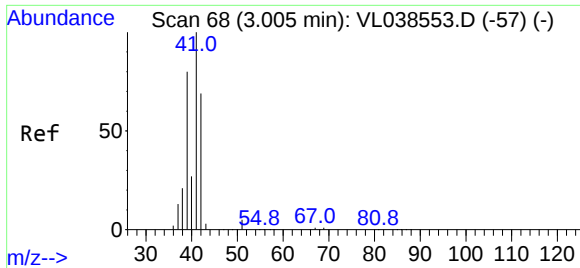


#4
Chloromethane
Concen: 0.142 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04



Tgt Ion: 50 Resp: 8146
Ion Ratio Lower Upper
50 100
52 32.9 25.6 38.4





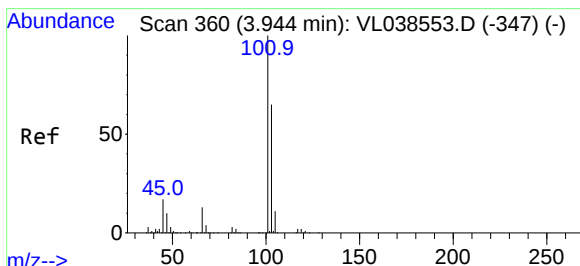
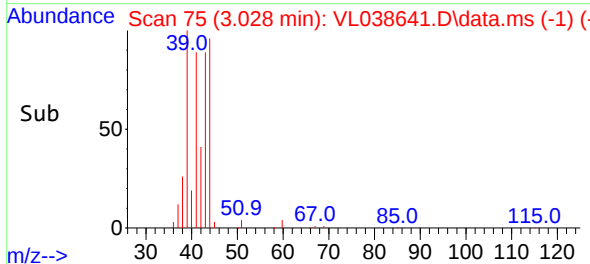
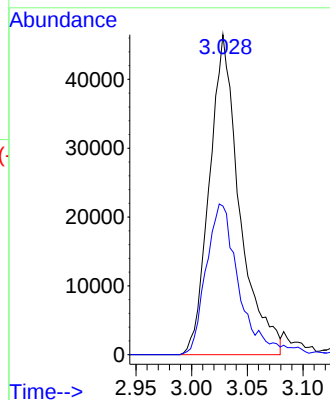
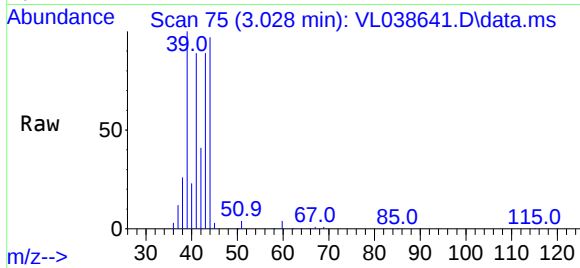
#9
Propene
Concen: 1.598 ppbv
RT: 3.028 min Scan# 70
Delta R.T. 0.023 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
COPA8

Tgt Ion: 41 Resp: 87490
Ion Ratio Lower Upper
41 100
42 52.3 55.7 83.5

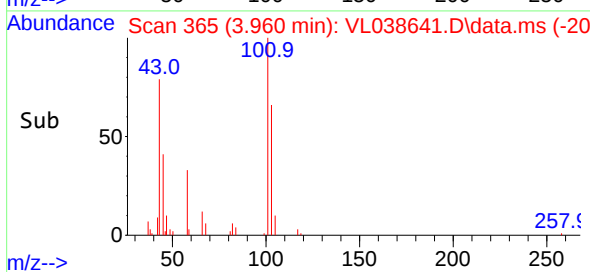
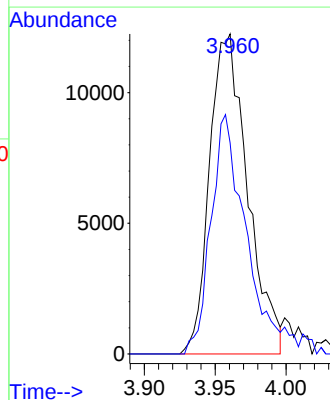
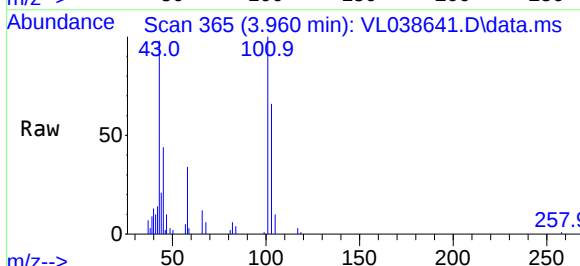
Manual Integrations
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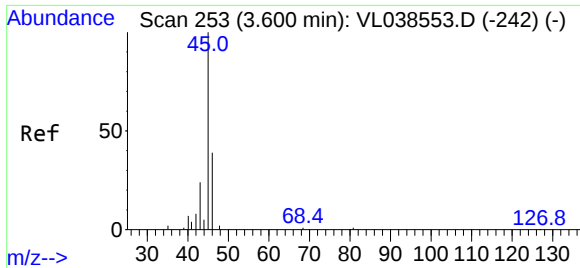
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#11
Trichlorofluoromethane
Concen: 0.196 ppbv
RT: 3.960 min Scan# 365
Delta R.T. 0.016 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

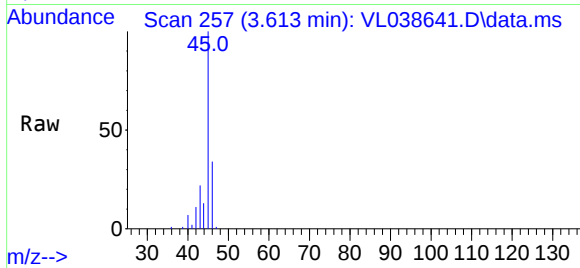
Tgt Ion:101 Resp: 22860
Ion Ratio Lower Upper
101 100
103 66.0 52.0 78.0





#13
Ethanol
Concen: 13.296 ppbv
RT: 3.613 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

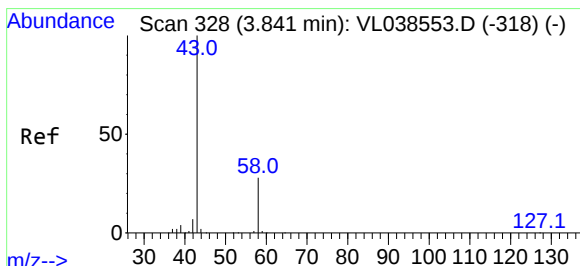
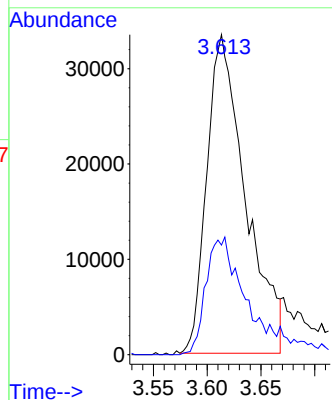
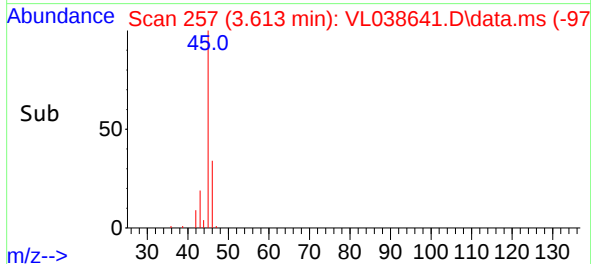
Instrument :
MSVOA_L
ClientSampleId :
COPA8



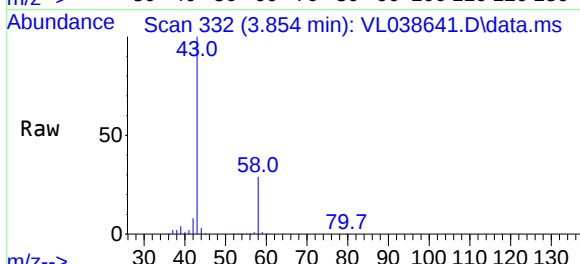
Tgt Ion: 45 Resp: 83602
Ion Ratio Lower Upper
45 100
46 43.2 16.8 67.0

Manual Integrations
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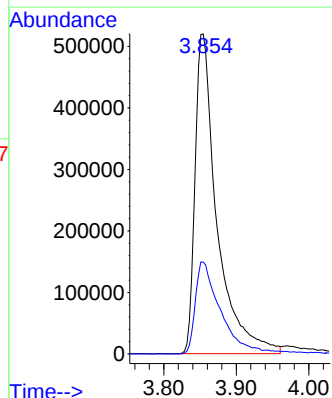
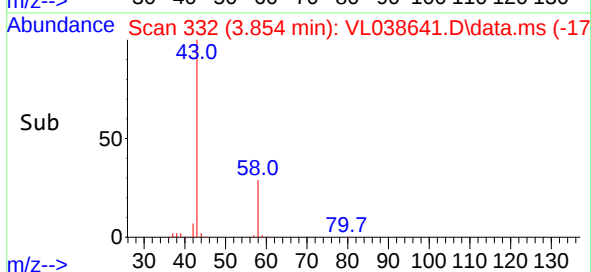
Reviewed By :Semsettin Yesilyurt 03/19/2022
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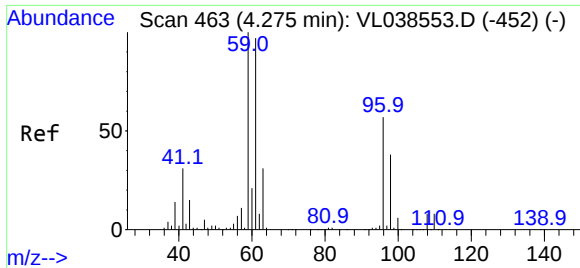


#15
Acetone
Concen: 17.564 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.013 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04



Tgt Ion: 43 Resp: 1089969
Ion Ratio Lower Upper
43 100
58 34.5 22.7 34.1#





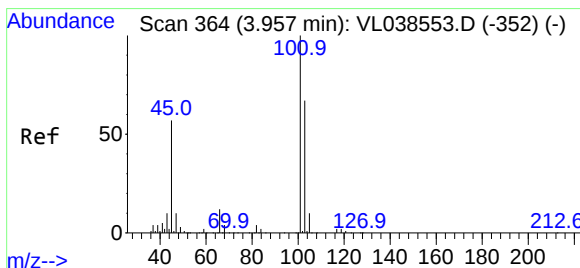
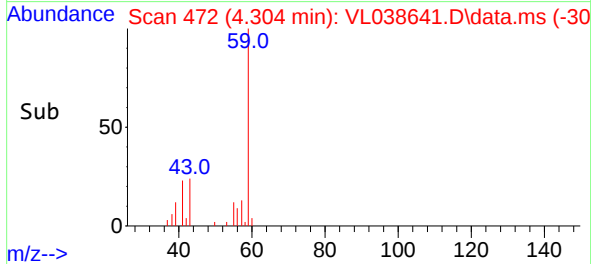
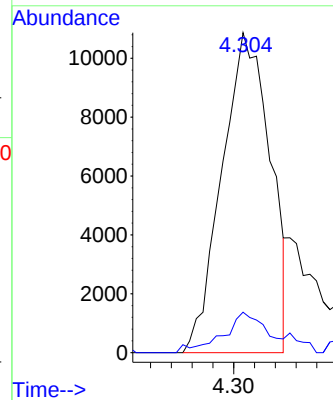
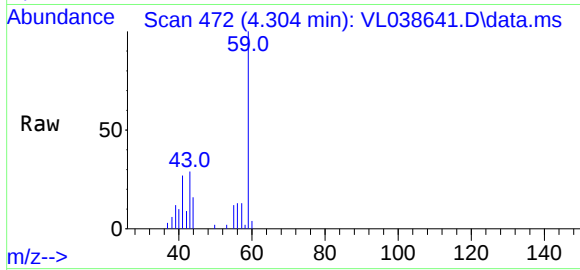
#17
tert-Butyl alcohol
Concen: 0.260 ppbv
RT: 4.304 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
COPA8

Tgt Ion: 59 Resp: 17519
Ion Ratio Lower Upper
59 100
57 14.1 8.1 12.1

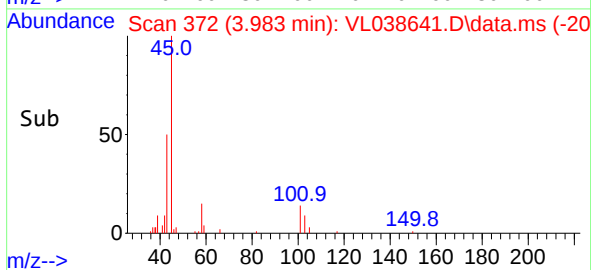
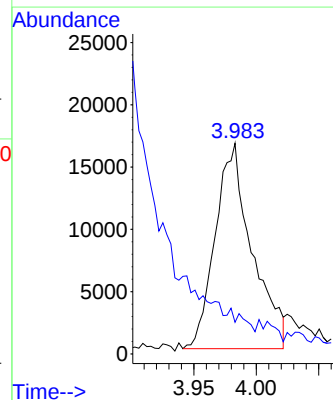
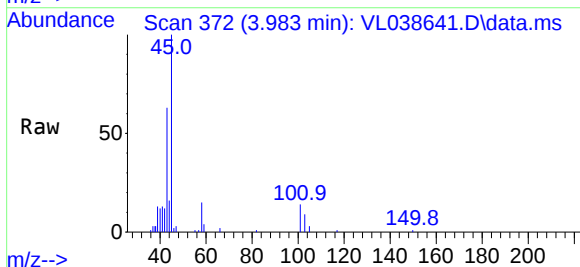
Manual Integrations
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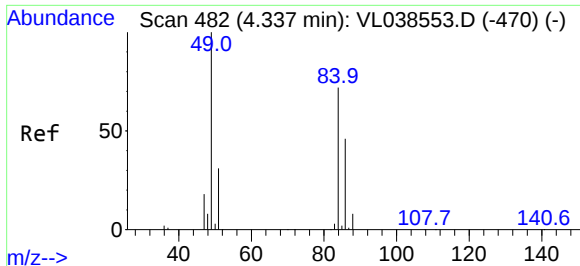
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#19
Isopropyl Alcohol
Concen: 0.819 ppbv
RT: 3.983 min Scan# 372
Delta R.T. 0.026 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

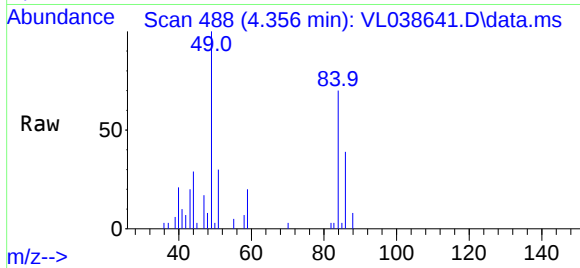
Tgt Ion: 45 Resp: 33926
Ion Ratio Lower Upper
45 100
58 0.0 2.2 3.2#





#20
Methylene Chloride
Concen: 0.259 ppbv m
RT: 4.356 min Scan# 482
Delta R.T. 0.019 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
COPA8

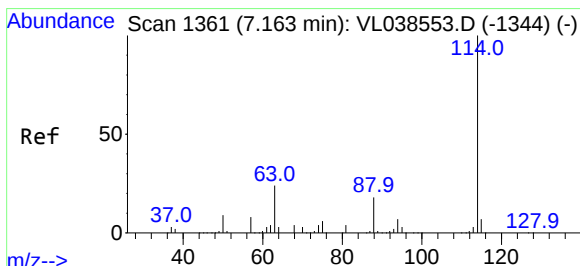
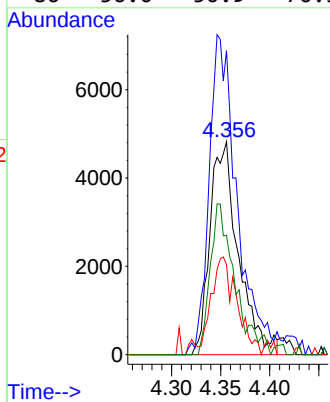
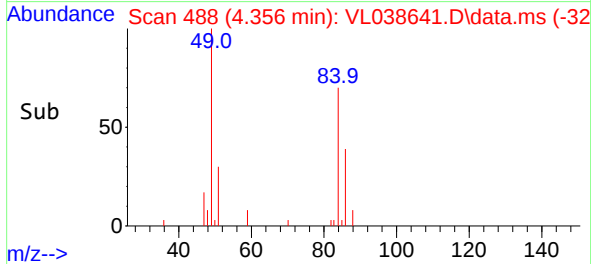


Tgt Ion: 84 Resp: 966

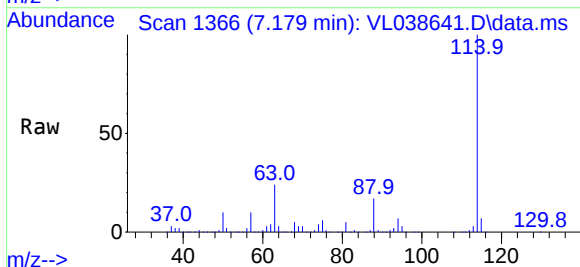
Ion	Ratio	Lower	Upper
84	100		
49	142.8	111.1	166.7
51	42.3	34.0	51.0
86	56.0	50.9	76.3

Manual Integrations
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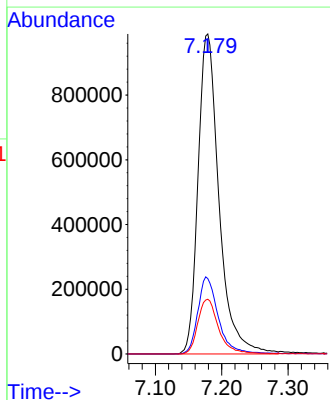
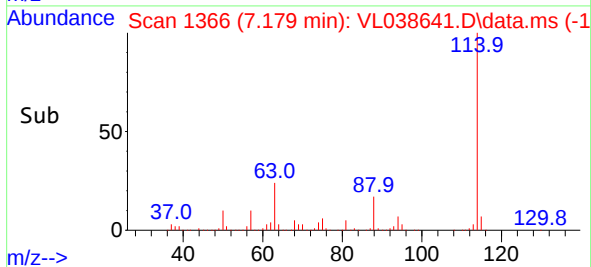


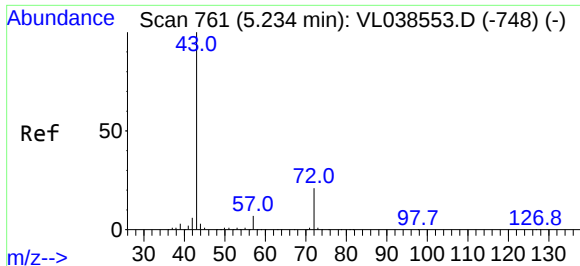
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.016 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04



Tgt Ion:114 Resp: 2171438

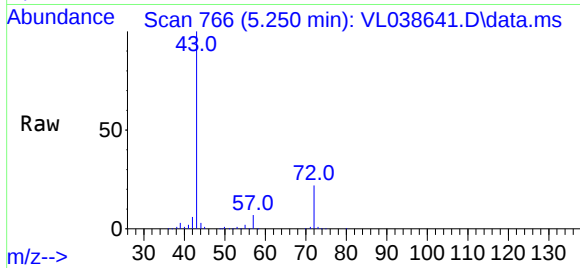
Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	17.1	13.9	20.9





#34
2-Butanone
Concen: 11.523 ppbv
RT: 5.250 min Scan# 761
Delta R.T. 0.016 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

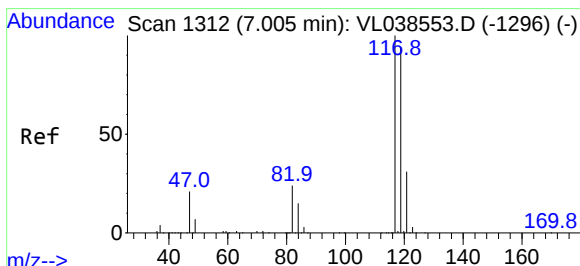
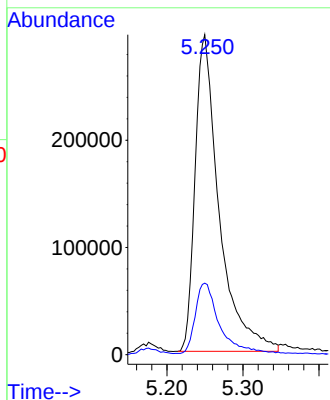
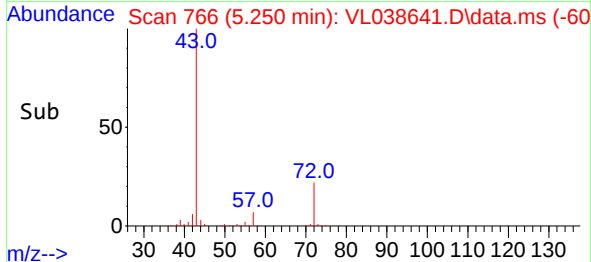
Instrument :
MSVOA_L
ClientSampleId :
COPA8



Tgt Ion: 43 Resp: 648569
Ion Ratio Lower Upper
43 100
72 24.4 17.8 26.6

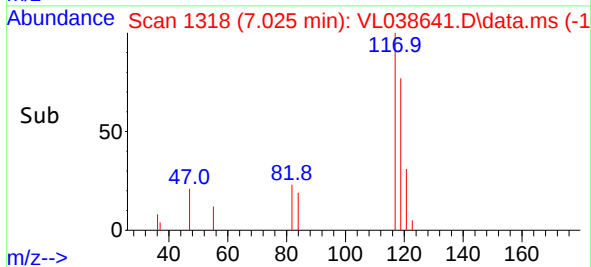
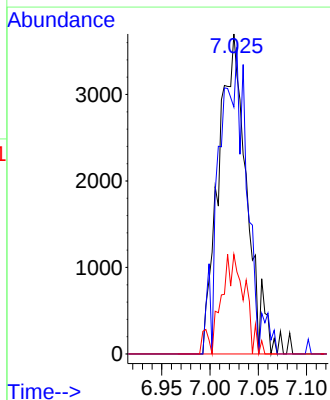
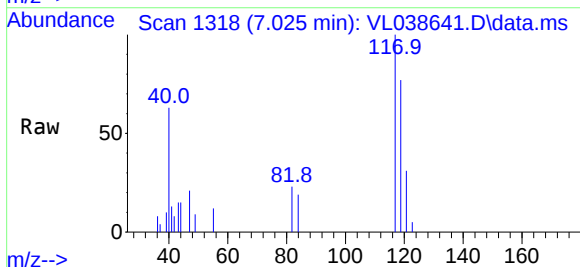
Manual Integrations
APPROVED

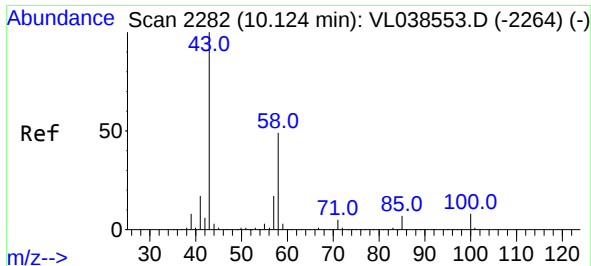
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 7.025 min Scan# 1318
Delta R.T. 0.019 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

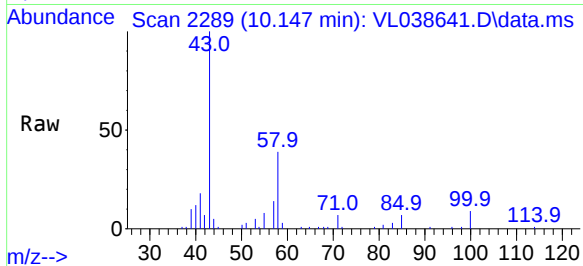
Tgt Ion:117 Resp: 7397
Ion Ratio Lower Upper
117 100
119 77.1 75.2 112.8
121 31.1 24.8 37.2





#51
2-Hexanone
Concen: 1.063 ppbv
RT: 10.147 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

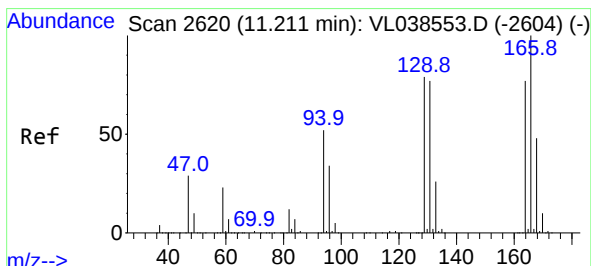
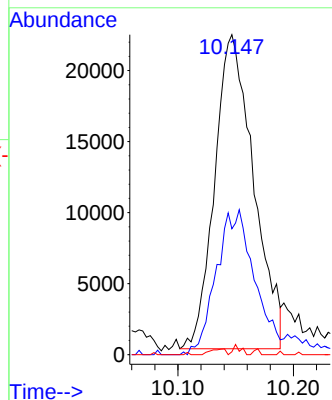
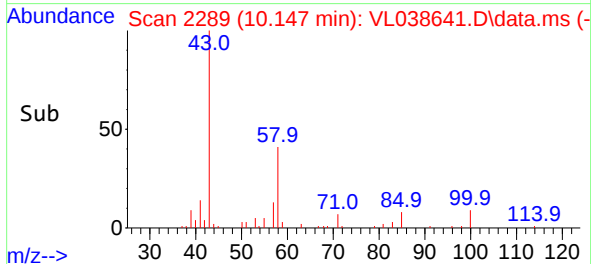
Instrument :
MSVOA_L
ClientSampleId :
COPA8



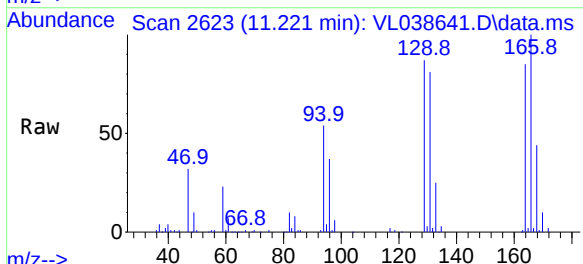
Tgt Ion: 43 Resp: 5184
Ion Ratio Lower Upper
43 100
58 49.7 40.1 60.1
98 1.6 0.4 0.6

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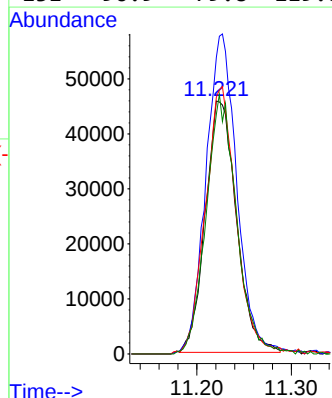
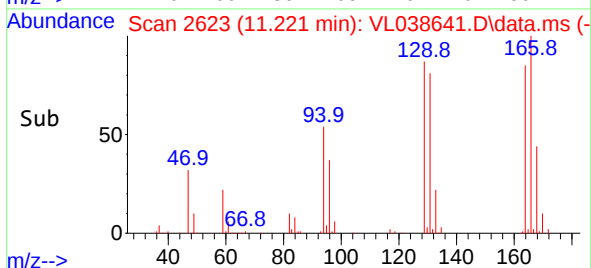
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022

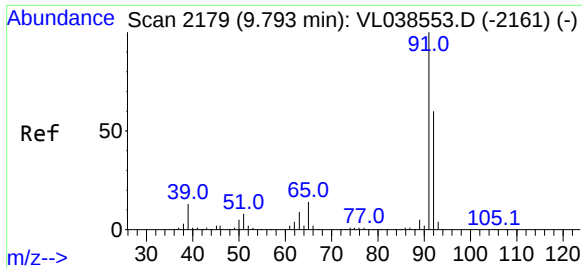


#52
Tetrachloroethene
Concen: 1.452 ppbv
RT: 11.221 min Scan# 2623
Delta R.T. 0.010 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04



Tgt Ion:164 Resp: 104313
Ion Ratio Lower Upper
164 100
166 116.8 103.4 155.2
129 101.5 81.3 121.9
131 96.9 79.8 119.8





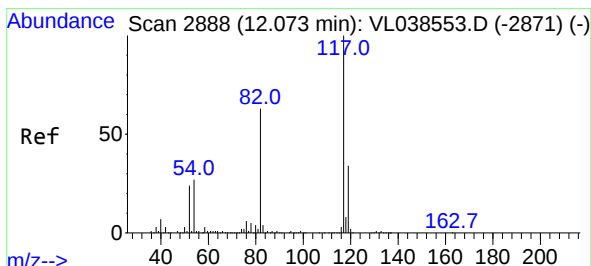
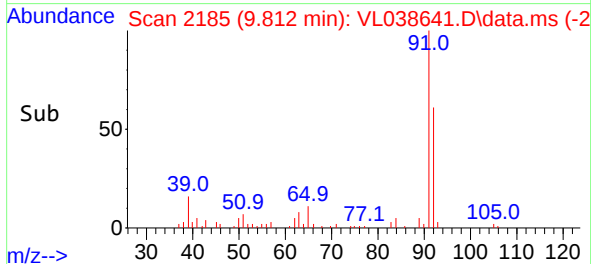
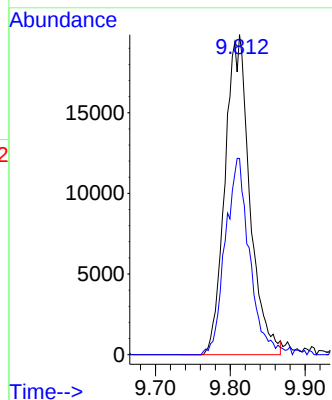
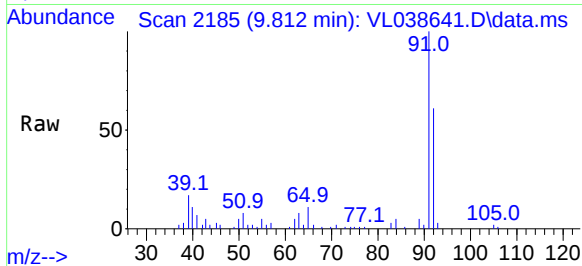
#53
Toluene
Concen: 0.219 ppbv m
RT: 9.812 min Scan# 2179
Delta R.T. 0.019 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
COPA8

Tgt Ion: 91 Resp: 45710
Ion Ratio Lower Upper
91 100
92 61.0 48.1 72.1

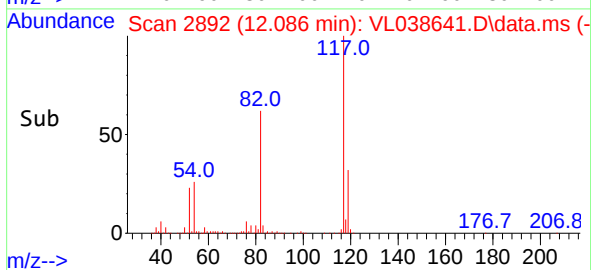
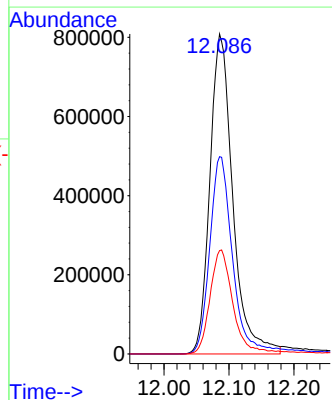
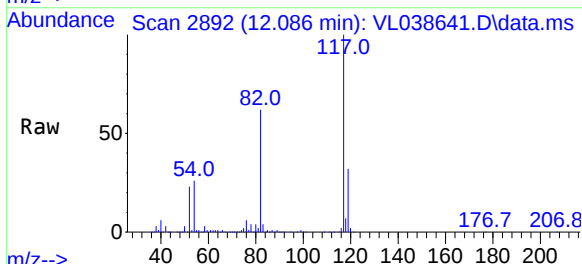
Manual Integrations
APPROVED

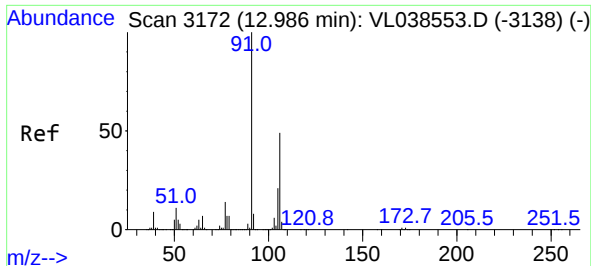
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 2892
Delta R.T. 0.013 min
Lab File: VL038641.D
Acq: 18 Mar 2022 1:04

Tgt Ion:117 Resp: 1977268
Ion Ratio Lower Upper
117 100
82 64.8 52.5 78.7
119 34.2 46.4 69.6#





#59

m/p-Xylene

Concen: 0.119 ppbv m

RT: 12.970 min Scan# 3172

Delta R.T. -0.016 min

Lab File: VL038641.D

Acq: 18 Mar 2022 1:04

Instrument :

MSVOA_L

ClientSampleId :

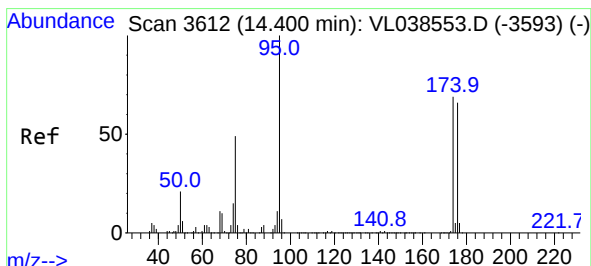
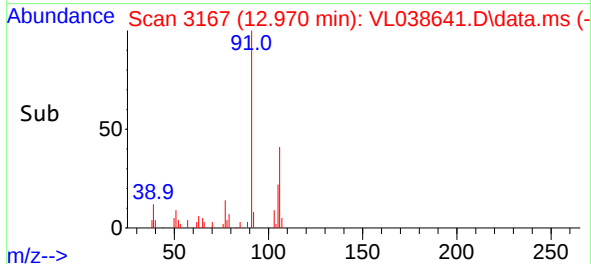
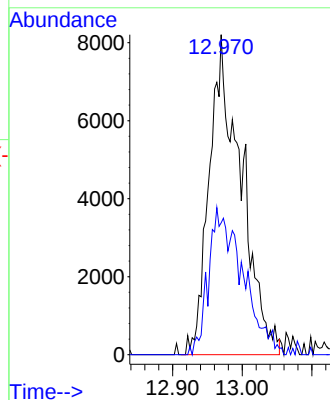
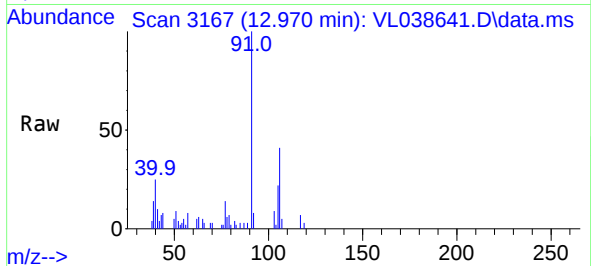
COPA8

Tgt Ion: 91 Resp: 26038
 Ion Ratio Lower Upper
 91 100
 106 0.0 37.1 55.7

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.298 ppbv

RT: 14.417 min Scan# 3617

Delta R.T. 0.016 min

Lab File: VL038641.D

Acq: 18 Mar 2022 1:04

Tgt Ion: 95 Resp: 1397746
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.2 84.4
 175 5.0 4.2 6.2

