

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038777.D
 Acq On : 28 Mar 2022 18:58
 Operator : SY/AP
 Sample : N2078-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-9

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 06:12:58 2022

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	771379	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	2043412	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	1693060	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1268519	9.773	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.057	85	50531	0.487	ppbv	95
3) Chlorodifluoromethane	2.999	51	31809	0.390	ppbv	93
4) Chloromethane	3.144	50	24473	0.547	ppbv	98
9) Propene	3.031	41	25338	0.644	ppbv	84
11) Trichlorofluoromethane	3.957	101	28692	0.313	ppbv	99
13) Ethanol	3.607	45	118120	27.224	ppbv	99
15) Acetone	3.854	43	217950m	3.274	ppbv	
17) tert-Butyl alcohol	4.317	59	7460m	0.128	ppbv	
19) Isopropyl Alcohol	3.980	45	33127m	0.898	ppbv	
20) Methylene Chloride	4.346	84	311226	11.101	ppbv	98
26) Hexane	5.687	57	205719	2.742	ppbv #	40
34) 2-Butanone	5.250	43	36209	0.448	ppbv #	86
35) Carbon Tetrachloride	7.021	117	8459m	0.071	ppbv	
36) Benzene	6.893	78	33002	0.209	ppbv	93
53) Toluene	9.802	91	108827	0.642	ppbv	95
59) m/p-Xylene	12.960	91	20147m	0.116	ppbv	

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

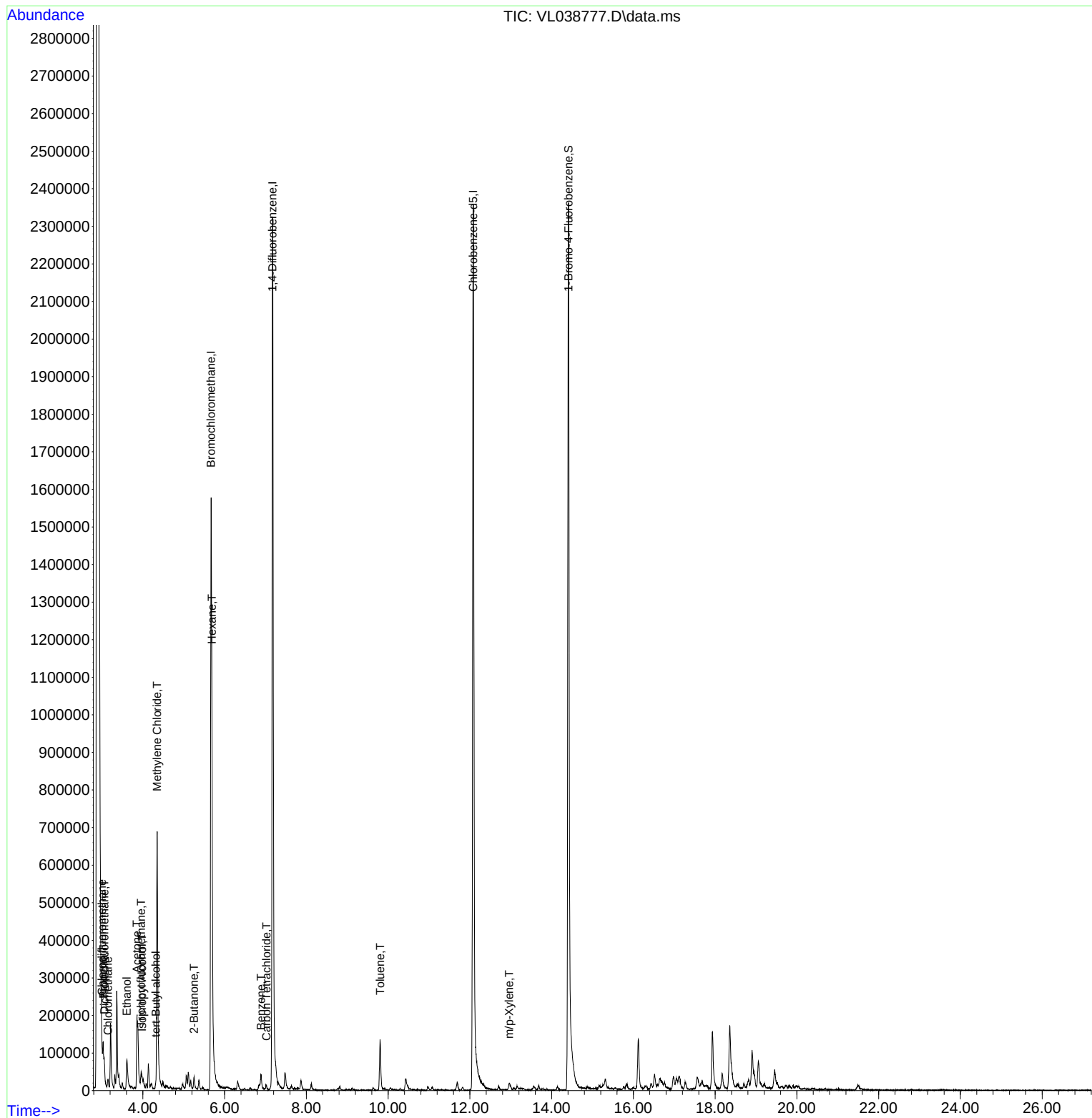
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
Data File : VL038777.D
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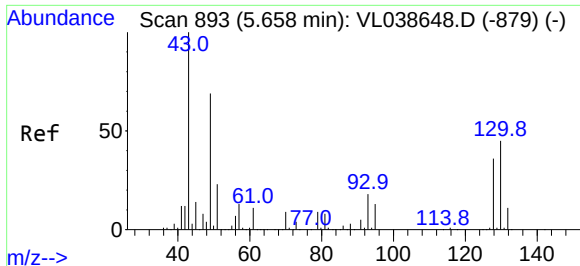
Instrument :
MSVOA_L
ClientSampleId :
V-9

Quant Time: Mar 29 06:12:58 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

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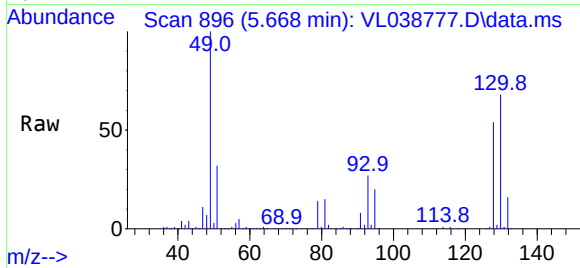
Reviewed By : Semsettin Yesilyurt 03/29/2022
Supervised By : Mahesh Dadoda 03/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

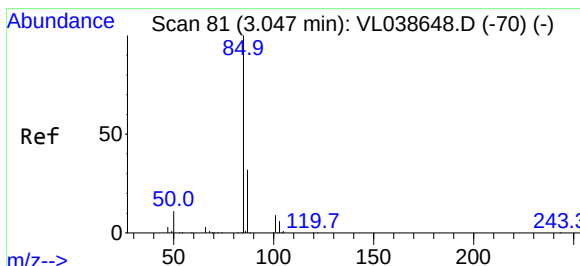
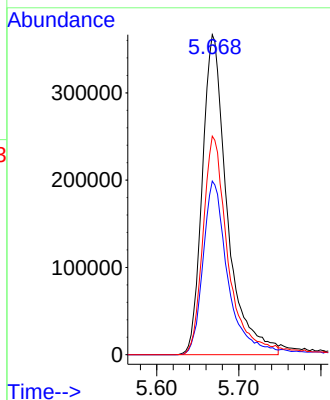
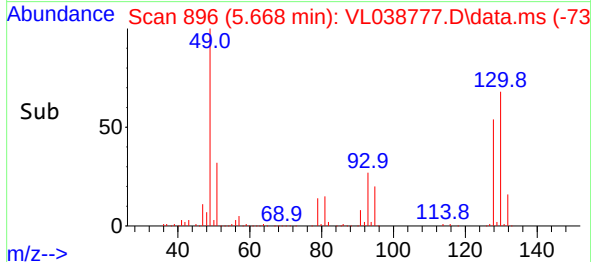
Instrument :
MSVOA_L
ClientSampleId :
V-9



Tgt Ion: 49 Resp: 771379
Ion Ratio Lower Upper
49 100
128 56.7 26.2 78.6
130 70.8 33.7 101.1

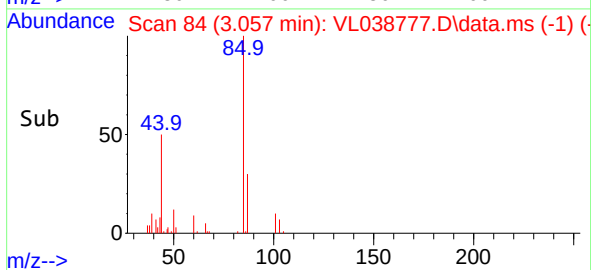
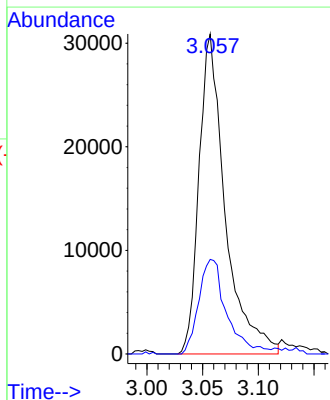
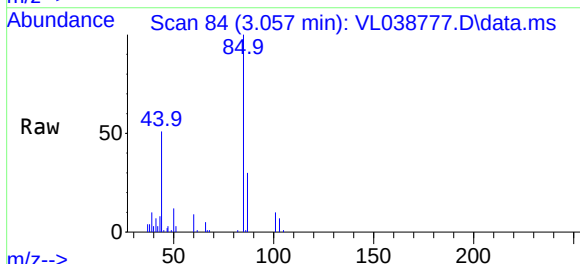
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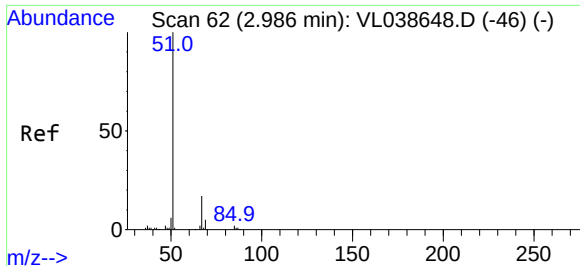
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.487 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Tgt Ion: 85 Resp: 50531
Ion Ratio Lower Upper
85 100
87 29.5 26.0 39.0





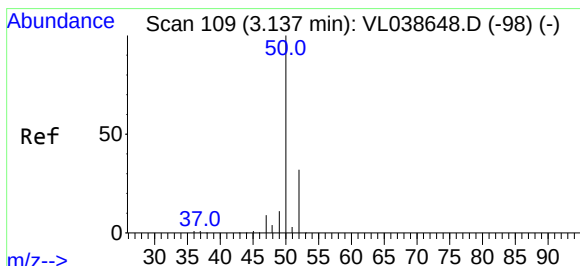
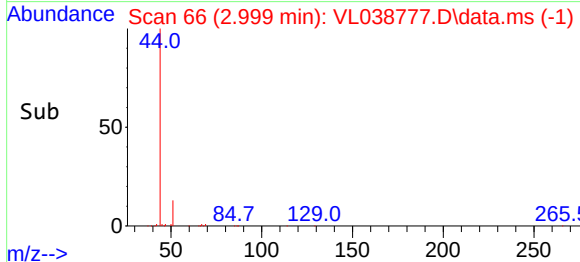
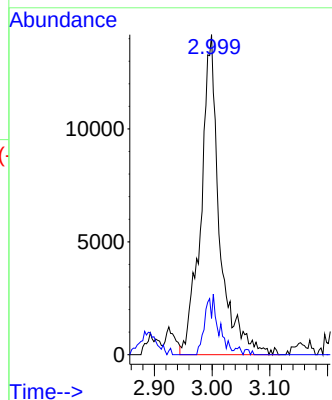
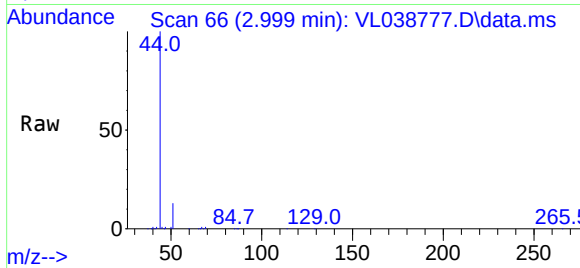
#3
Chlorodifluoromethane
Concen: 0.390 ppbv
RT: 2.999 min Scan# 60
Delta R.T. 0.013 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Instrument :
MSVOA_L
ClientSampleId :
V-9

Tgt Ion: 51 Resp: 31809
Ion Ratio Lower Upper
51 100
67 14.6 14.1 21.1

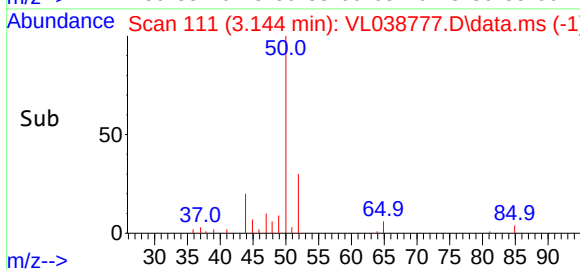
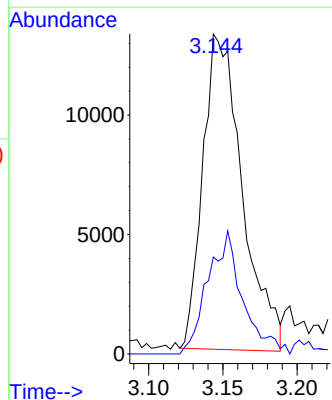
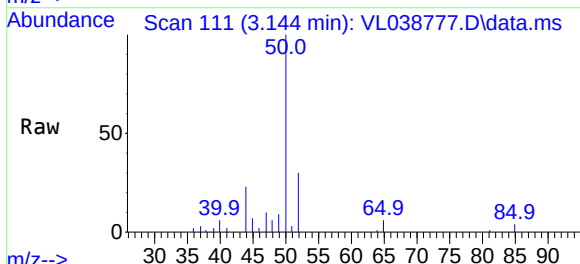
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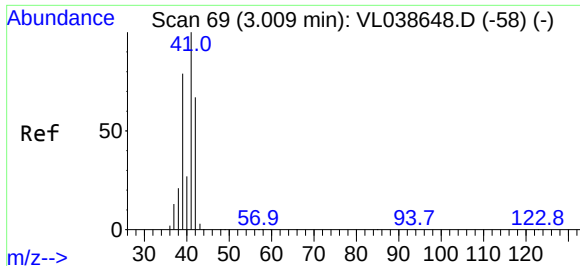
Reviewed By :Semsettin Yesilyurt 03/29/2022
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#4
Chloromethane
Concen: 0.547 ppbv
RT: 3.144 min Scan# 111
Delta R.T. 0.006 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Tgt Ion: 50 Resp: 24473
Ion Ratio Lower Upper
50 100
52 30.8 25.5 38.3





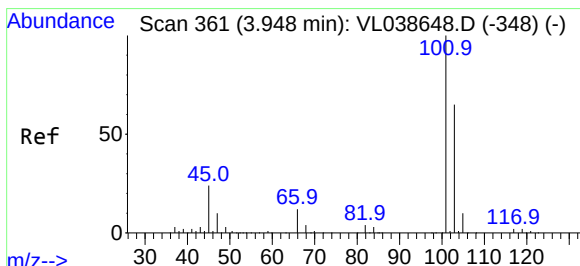
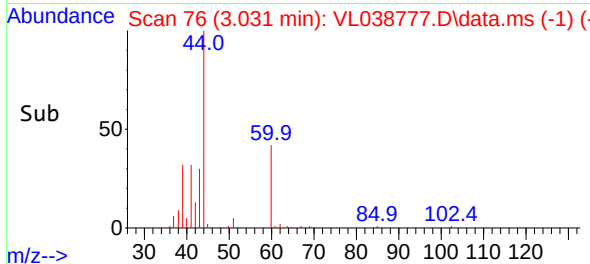
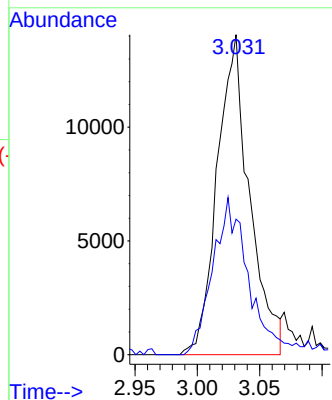
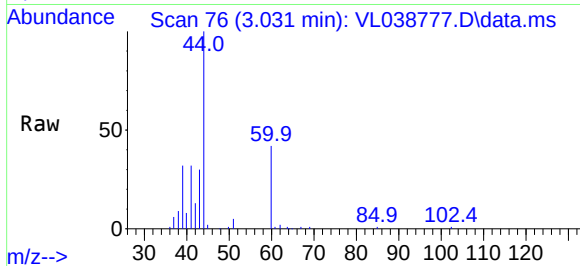
#9
Propene
Concen: 0.644 ppbv
RT: 3.031 min Scan# 70
Delta R.T. 0.022 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Instrument :
MSVOA_L
ClientSampleId :
V-9

Tgt Ion: 41 Resp: 25338
Ion Ratio Lower Upper
41 100
42 57.1 56.2 84.4

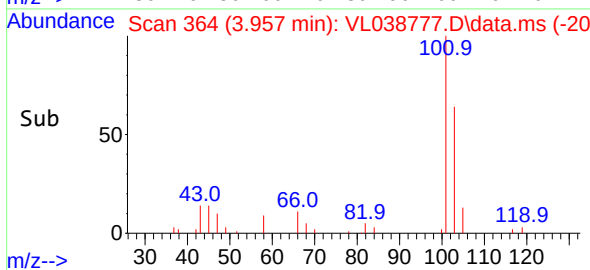
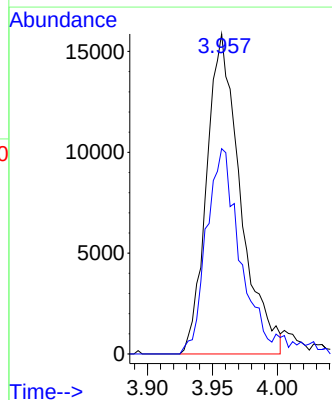
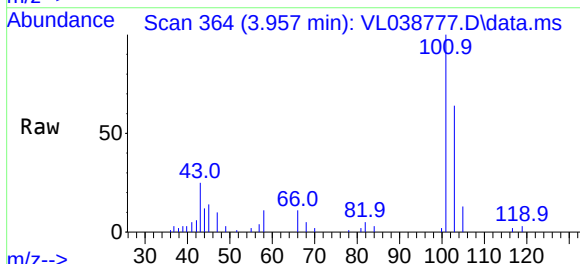
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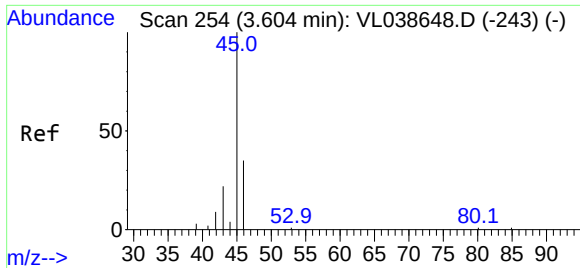
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#11
Trichlorofluoromethane
Concen: 0.313 ppbv
RT: 3.957 min Scan# 364
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

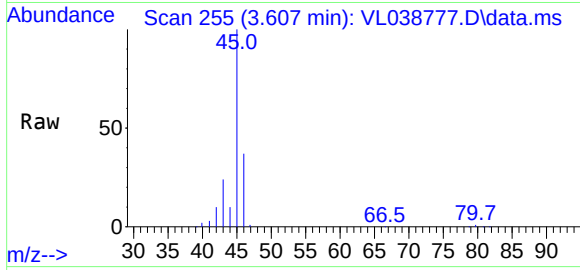
Tgt Ion:101 Resp: 28692
Ion Ratio Lower Upper
101 100
103 64.2 51.9 77.9





#13
Ethanol
Concen: 27.224 ppbv
RT: 3.607 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

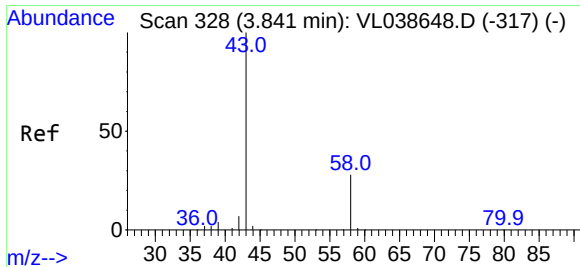
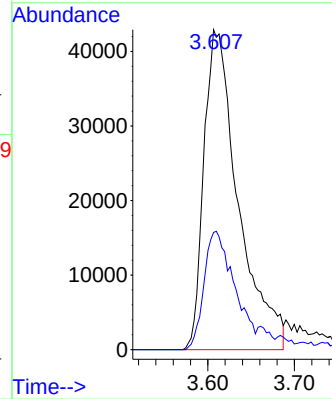
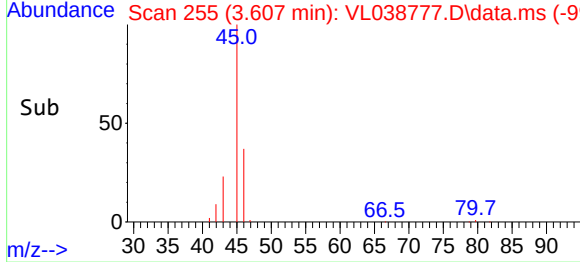
Instrument :
MSVOA_L
ClientSampleId :
V-9



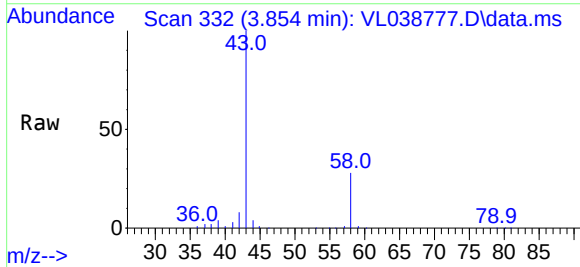
Tgt Ion: 45 Resp: 118120
Ion Ratio Lower Upper
45 100
46 38.2 15.1 60.5

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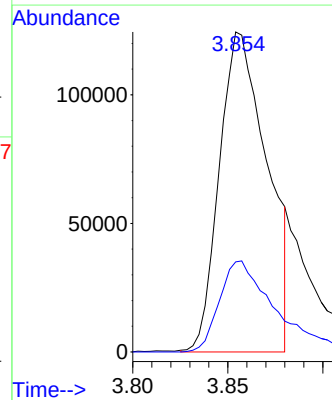
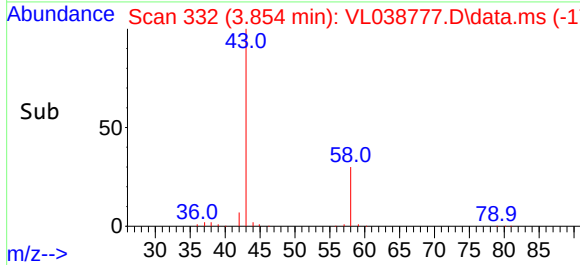
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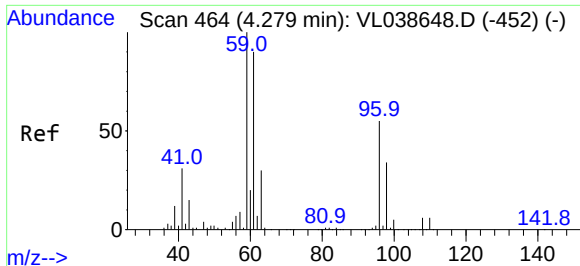


#15
Acetone
Concen: 3.274 ppbv m
RT: 3.854 min Scan# 332
Delta R.T. 0.013 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58



Tgt Ion: 43 Resp: 217950
Ion Ratio Lower Upper
43 100
58 36.0 23.3 34.9





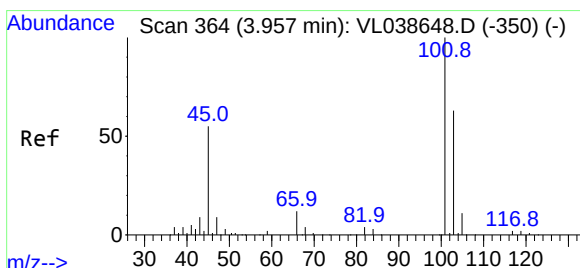
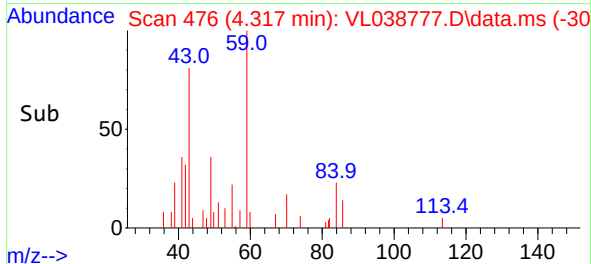
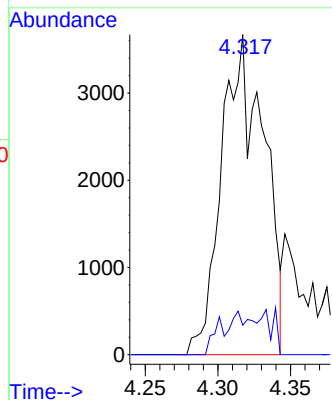
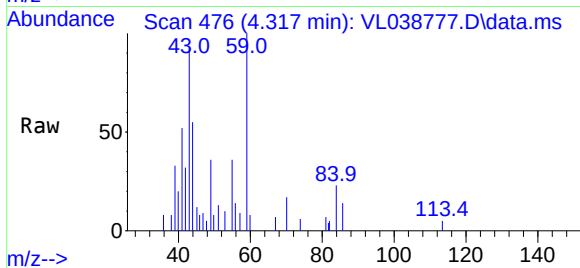
#17
tert-Butyl alcohol
Concen: 0.128 ppbv m
RT: 4.317 min Scan# 41
Delta R.T. 0.038 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Instrument :
MSVOA_L
ClientSampleId :
V-9

Tgt Ion: 59 Resp: 7460
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2

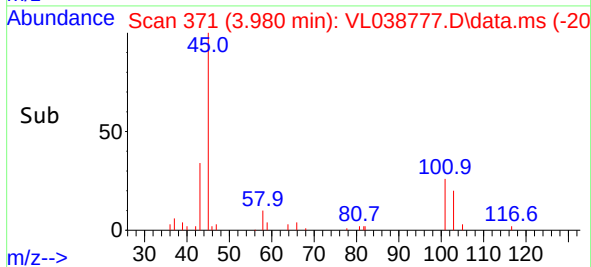
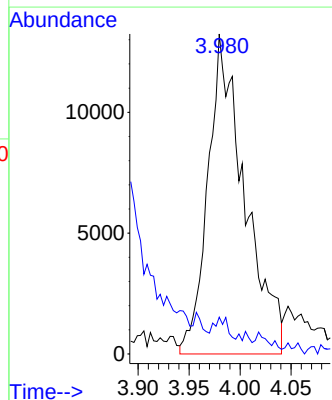
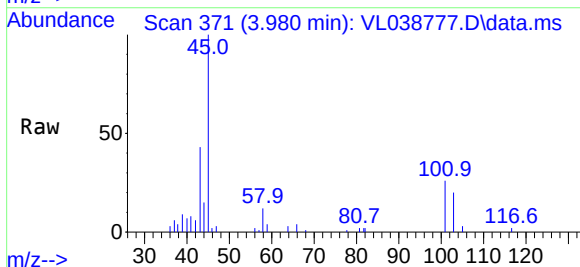
Manual Integrations
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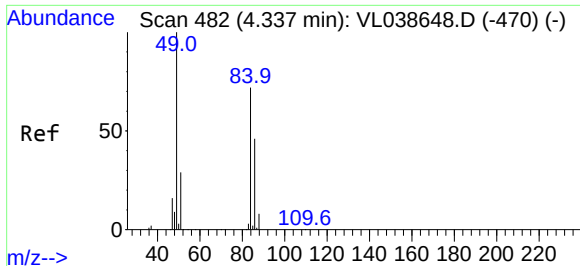
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#19
Isopropyl Alcohol
Concen: 0.898 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.022 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

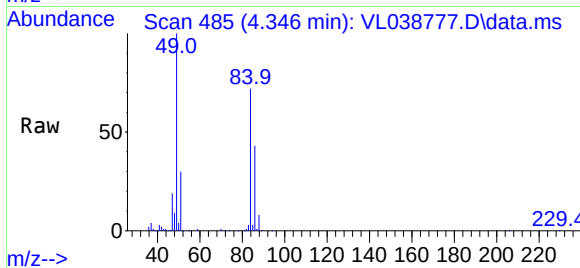
Tgt Ion: 45 Resp: 33127
Ion Ratio Lower Upper
45 100
58 9.2 2.3 3.5





#20
Methylene Chloride
Concen: 11.101 ppbv
RT: 4.346 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

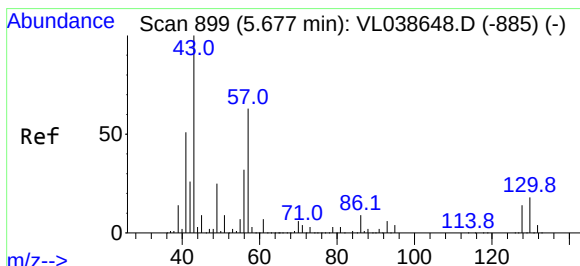
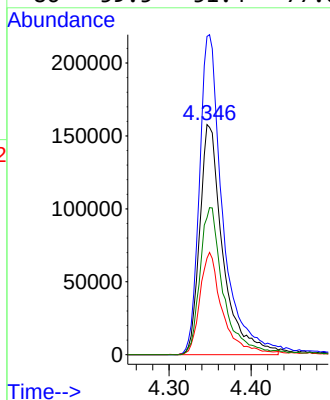
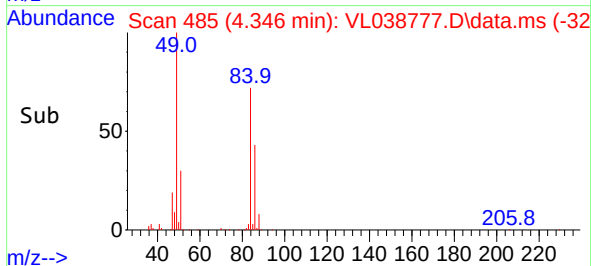
Instrument :
MSVOA_L
ClientSampleId :
V-9



Tgt Ion: 84 Resp: 311220
Ion Ratio Lower Upper
84 100
49 138.3 111.2 166.8
51 42.0 32.8 49.2
86 59.5 51.4 77.0

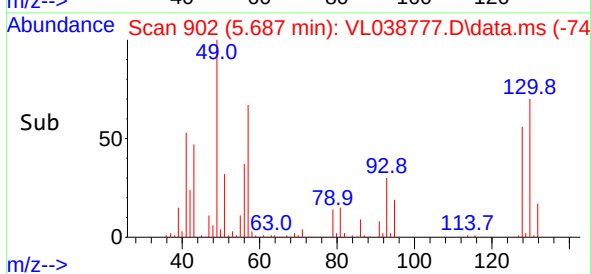
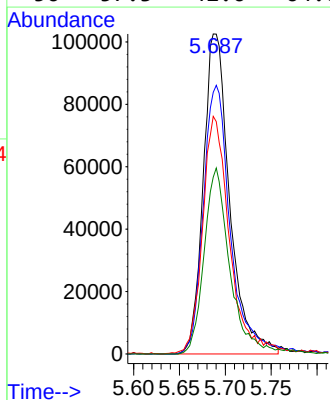
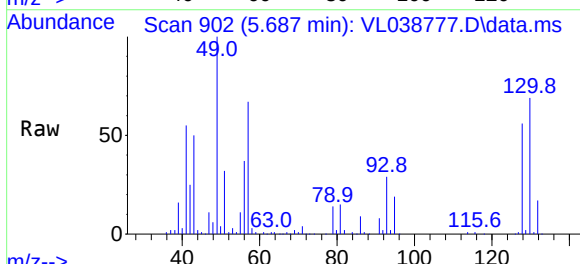
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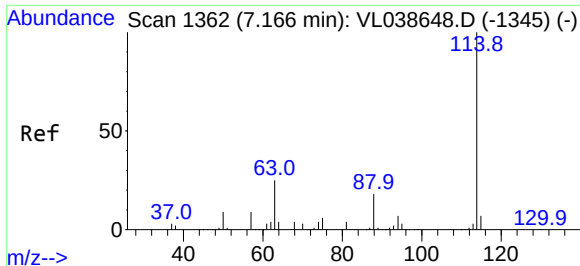
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#26
Hexane
Concen: 2.742 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Tgt Ion: 57 Resp: 205719
Ion Ratio Lower Upper
57 100
41 87.7 67.0 100.4
43 76.9 184.2 276.2#
56 57.3 42.6 64.0





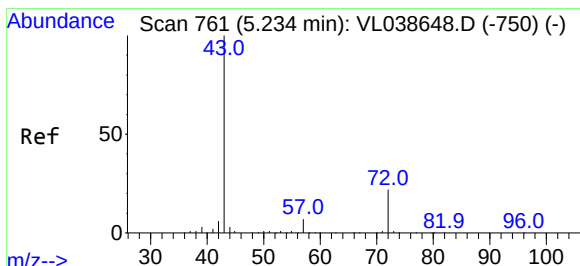
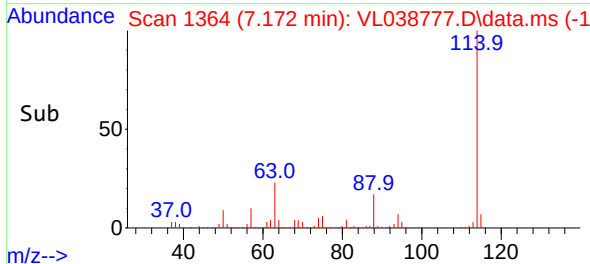
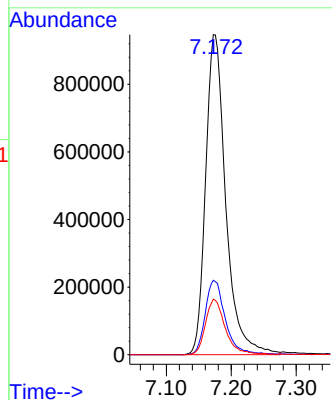
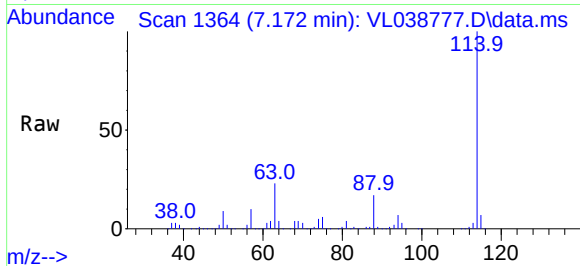
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.172 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Instrument :
MSVOA_L
ClientSampleId :
V-9

Tgt Ion:114 Resp: 204341
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.3 13.9 20.9

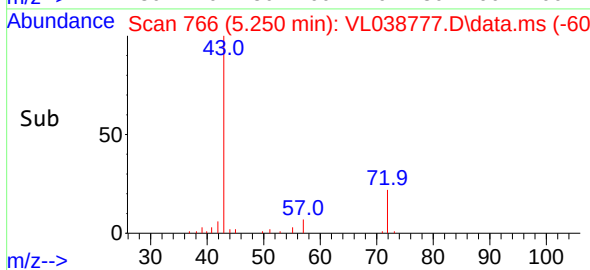
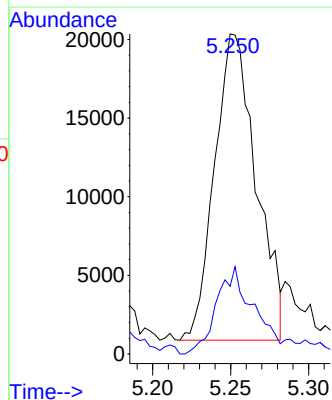
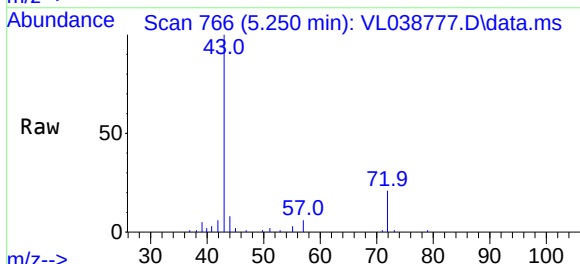
Manual Integrations
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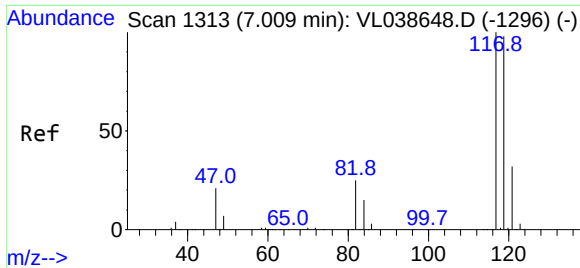
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#34
2-Butanone
Concen: 0.448 ppbv
RT: 5.250 min Scan# 766
Delta R.T. 0.016 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

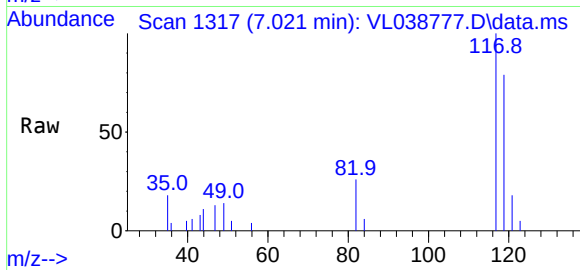
Tgt Ion: 43 Resp: 36209
Ion Ratio Lower Upper
43 100
72 29.0 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.071 ppbv m
RT: 7.021 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

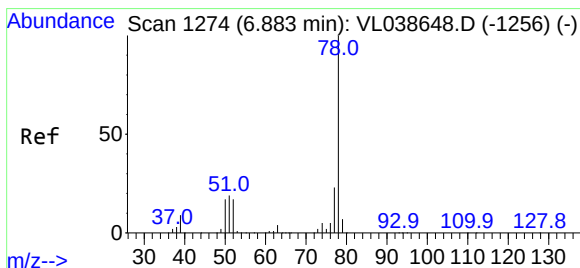
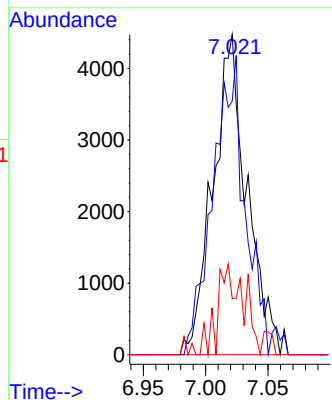
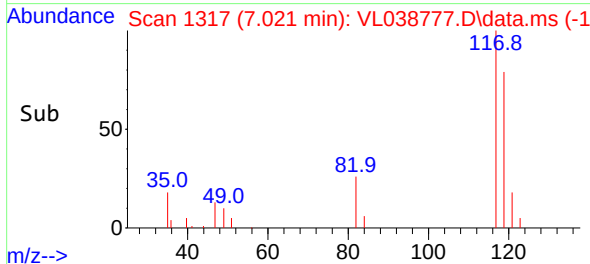
Instrument :
MSVOA_L
ClientSampleId :
V-9



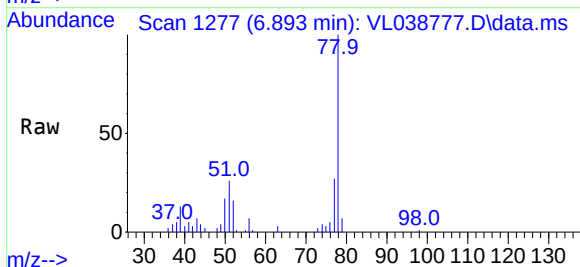
Tgt Ion:117 Resp: 845
Ion Ratio Lower Upper
117 100
119 79.2 78.1 117.1
121 17.6 25.8 38.6

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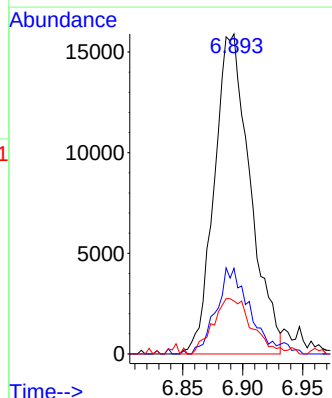
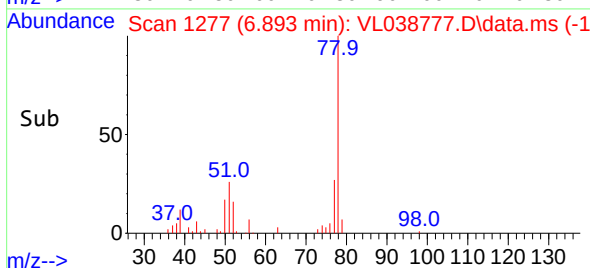
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

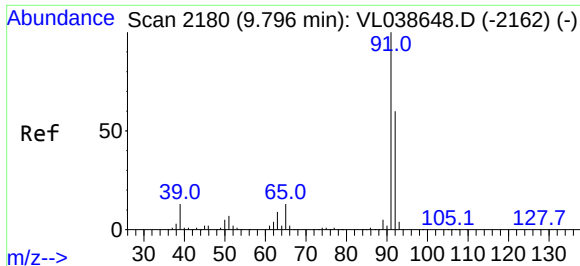


#36
Benzene
Concen: 0.209 ppbv
RT: 6.893 min Scan# 1277
Delta R.T. 0.009 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58



Tgt Ion: 78 Resp: 33002
Ion Ratio Lower Upper
78 100
77 27.0 18.1 27.1
50 15.6 13.6 20.4





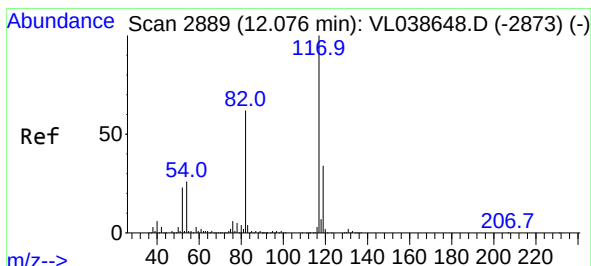
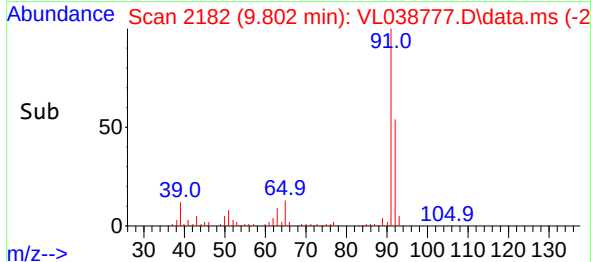
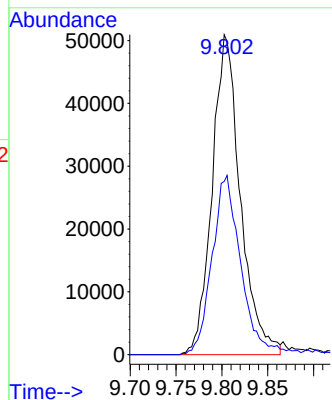
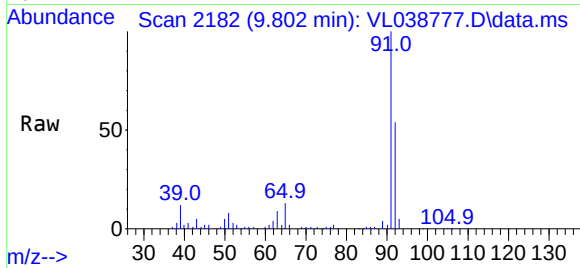
#53
Toluene
Concen: 0.642 ppbv
RT: 9.802 min Scan# 2180
Delta R.T. 0.006 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Instrument :
MSVOA_L
ClientSampleId :
V-9

Tgt Ion: 91 Resp: 10882
Ion Ratio Lower Upper
91 100
92 57.3 48.7 73.1

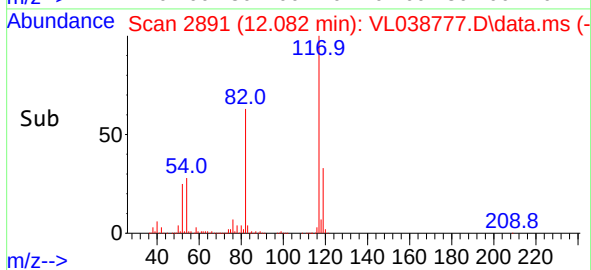
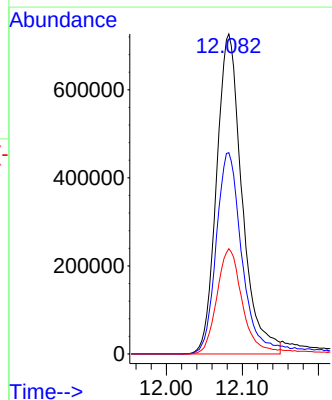
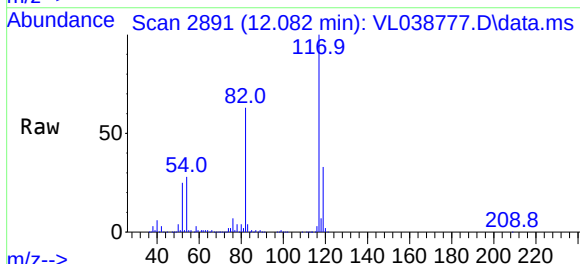
Manual Integrations
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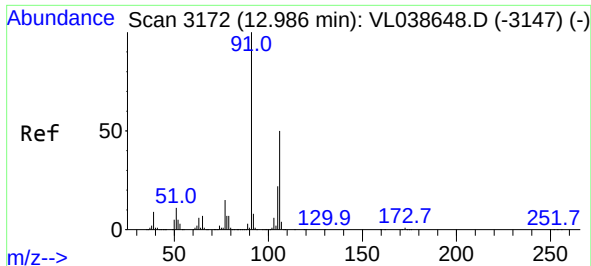
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.006 min
Lab File: VL038777.D
Acq: 28 Mar 2022 18:58

Tgt Ion:117 Resp: 1693060
Ion Ratio Lower Upper
117 100
82 67.2 51.6 77.4
119 34.7 26.9 40.3





#59

m/p-Xylene

Concen: 0.116 ppbv

RT: 12.960 min Scan# 3172

Delta R.T. -0.026 min

Lab File: VL038777.D

Acq: 28 Mar 2022 18:58

Instrument :

MSVOA_L

ClientSampleId :

V-9

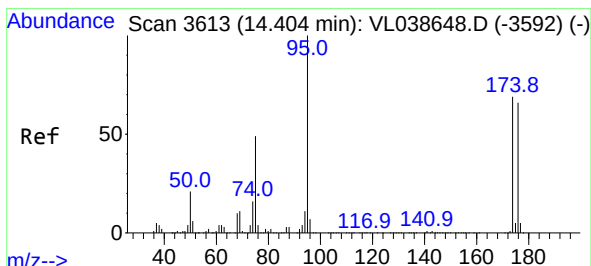
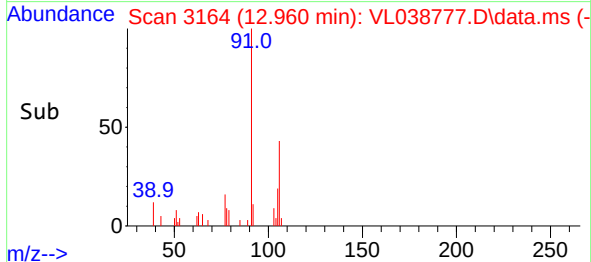
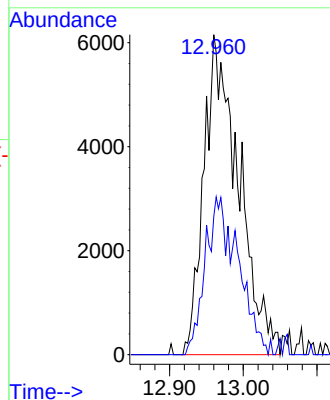
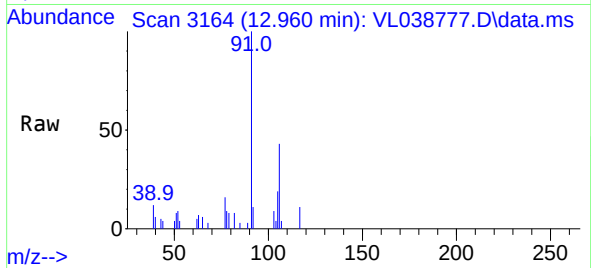
Tgt Ion: 91 Resp: 2014

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.773 ppbv

RT: 14.410 min Scan# 3615

Delta R.T. 0.006 min

Lab File: VL038777.D

Acq: 28 Mar 2022 18:58

Tgt Ion: 95 Resp: 1268519

Ion	Ratio	Lower	Upper
95	100		
174	73.4	56.1	84.1
175	5.2	4.2	6.2

