

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038779.D
 Acq On : 28 Mar 2022 20:19
 Operator : SY/AP
 Sample : N2078-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 06:13:22 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	5.665	49	765989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	1984024	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	1644261	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1296325	10.283	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	26508	0.257	ppbv	97
3) Chlorodifluoromethane	2.993	51	30348	0.375	ppbv	94
4) Chloromethane	3.147	50	24736	0.557	ppbv	98
9) Propene	3.025	41	19411m	0.497	ppbv	
11) Trichlorofluoromethane	3.951	101	25605	0.282	ppbv	98
13) Ethanol	3.613	45	61122	14.187	ppbv	87
15) Acetone	3.858	43	163292	2.471	ppbv	99
19) Isopropyl Alcohol	3.980	45	28103m	0.767	ppbv	
20) Methylene Chloride	4.343	84	25134m	0.903	ppbv	
26) Hexane	5.681	57	23506m	0.316	ppbv	
34) 2-Butanone	5.253	43	26659	0.339	ppbv #	86
35) Carbon Tetrachloride	7.015	117	7464m	0.065	ppbv	
36) Benzene	6.886	78	25806m	0.169	ppbv	
53) Toluene	9.800	91	102659	0.624	ppbv	99
59) m/p-Xylene	12.957	91	25739m	0.153	ppbv	

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

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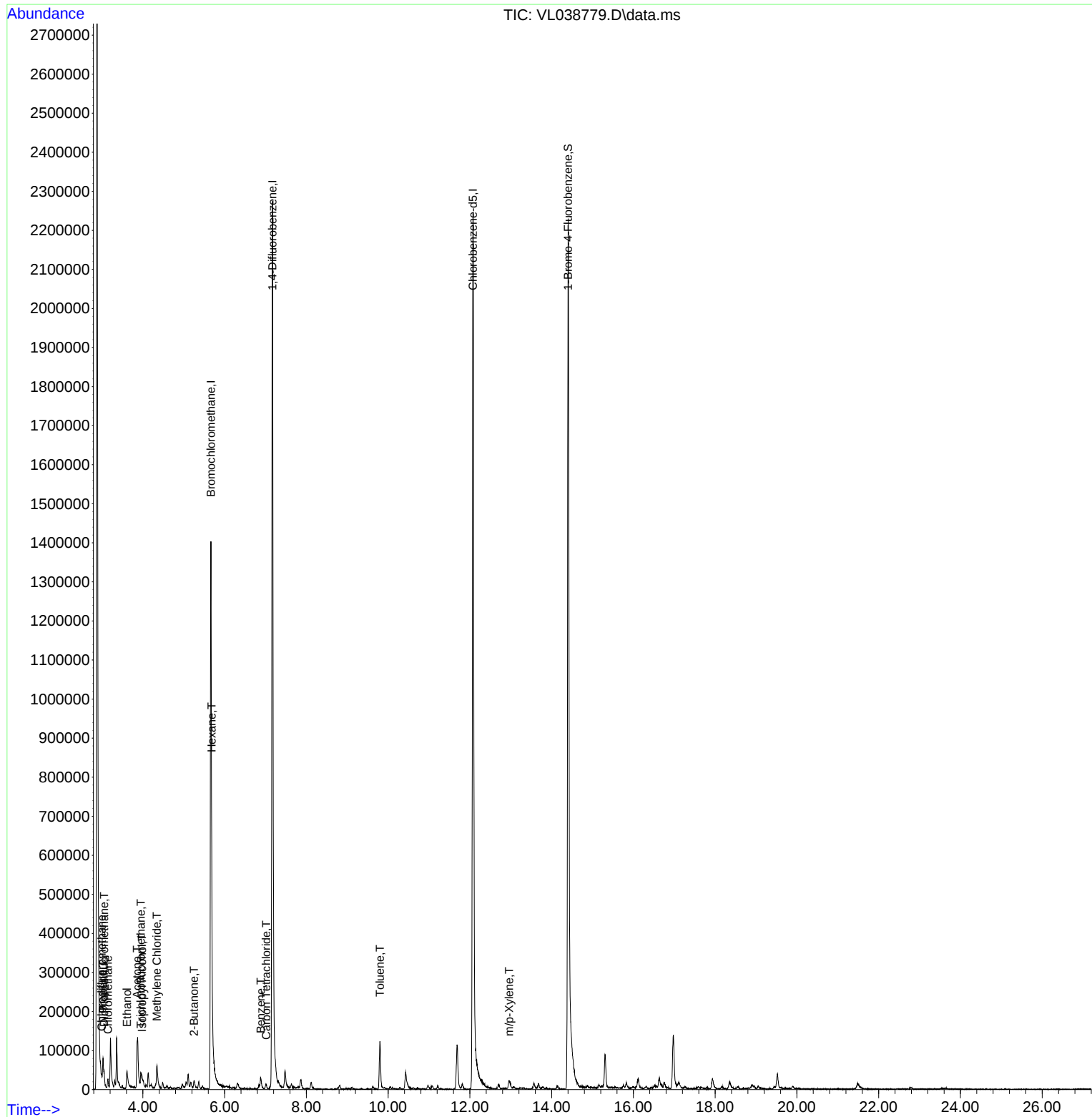
Quant Time: Mar 29 06:13:22 2022

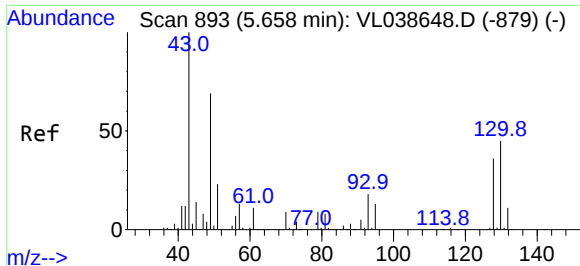
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

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

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

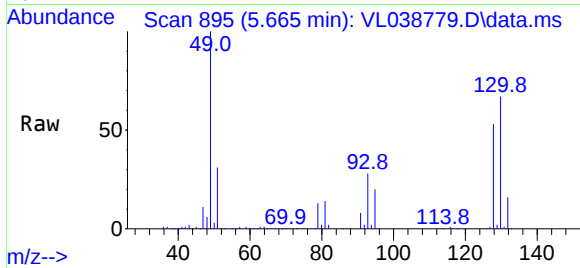
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.665 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

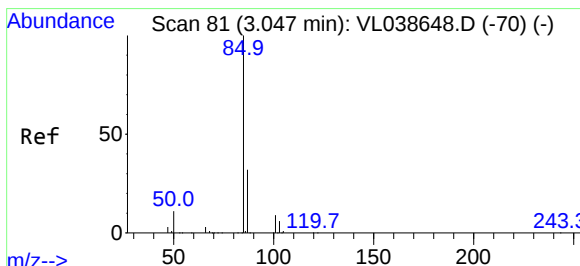
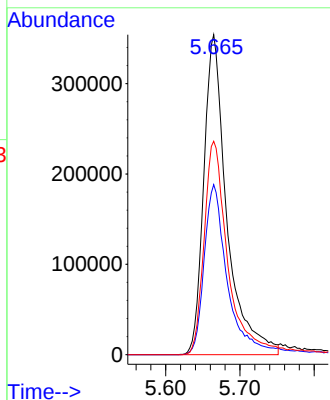
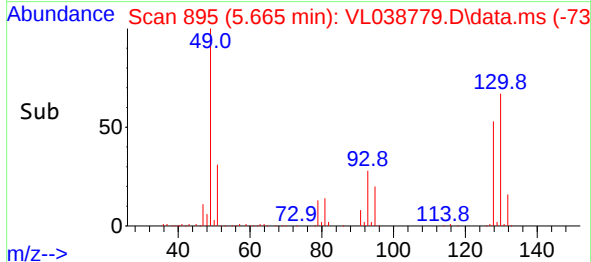
Instrument :
MSVOA_L
ClientSampleId :
V-4



Tgt Ion: 49 Resp: 765989
Ion Ratio Lower Upper
49 100
128 56.0 26.2 78.6
130 71.3 33.7 101.1

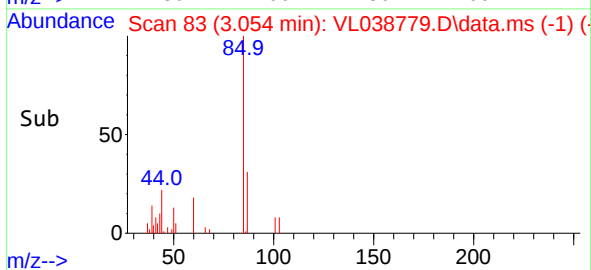
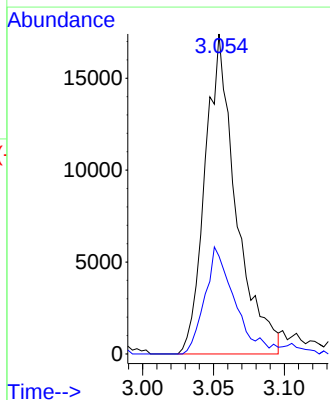
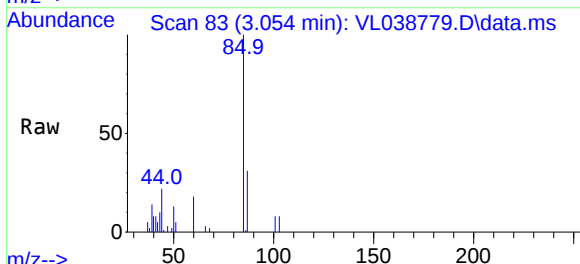
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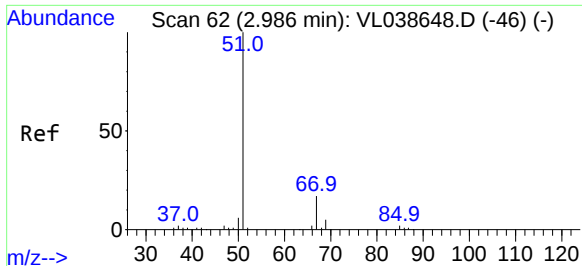
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Supervised By :Mahesh Dadoda 03/29/2022



#2
Dichlorodifluoromethane
Concen: 0.257 ppbv
RT: 3.054 min Scan# 83
Delta R.T. 0.006 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

Tgt Ion: 85 Resp: 26508
Ion Ratio Lower Upper
85 100
87 30.5 26.0 39.0





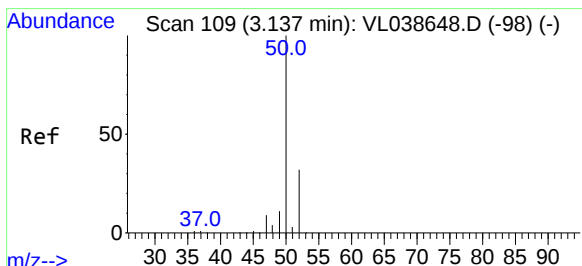
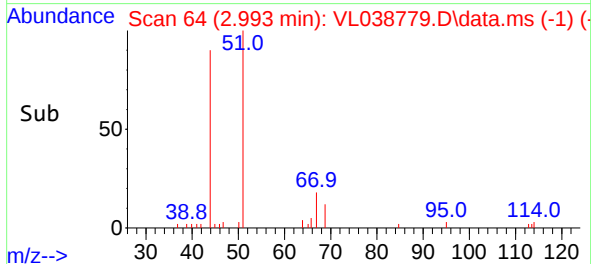
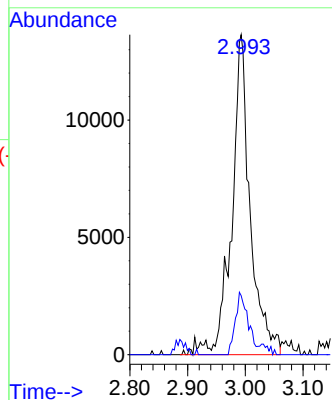
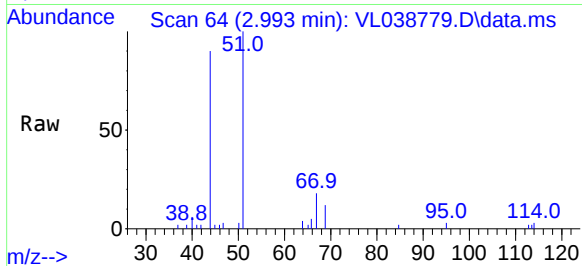
#3
Chlorodifluoromethane
Concen: 0.375 ppbv
RT: 2.993 min Scan# 64
Delta R.T. 0.006 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion: 51 Resp: 3034
Ion Ratio Lower Upper
51 100
67 15.1 14.1 21.1

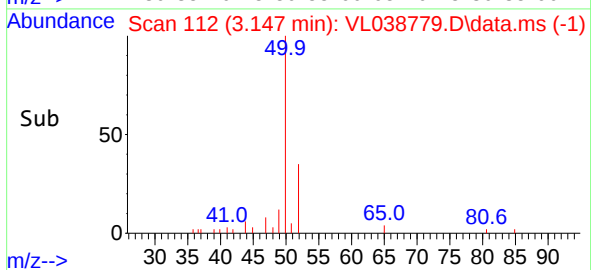
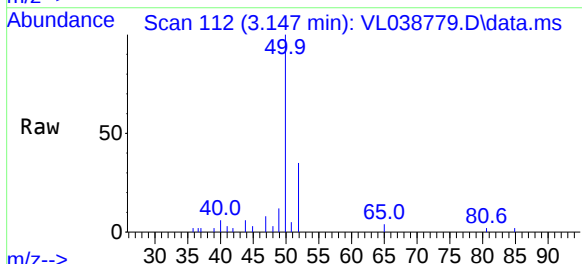
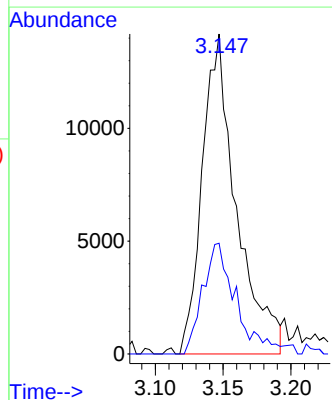
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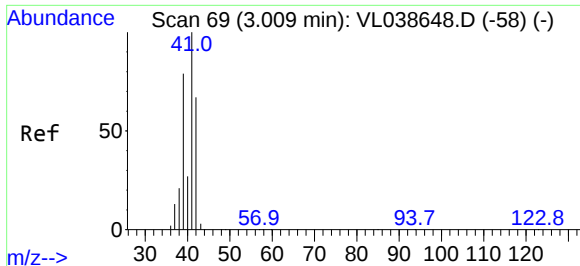
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Supervised By :Mahesh Dadoda 03/29/2022



#4
Chloromethane
Concen: 0.557 ppbv
RT: 3.147 min Scan# 112
Delta R.T. 0.010 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

Tgt Ion: 50 Resp: 24736
Ion Ratio Lower Upper
50 100
52 33.0 25.5 38.3





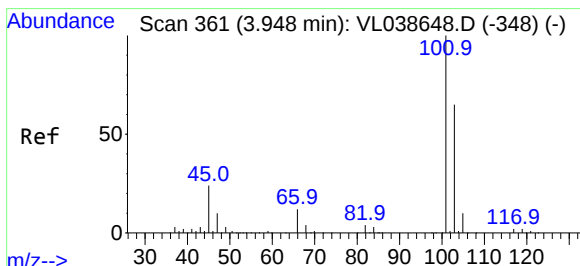
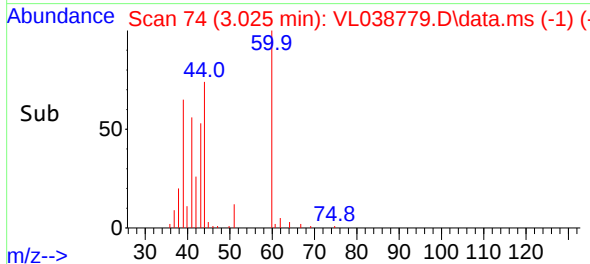
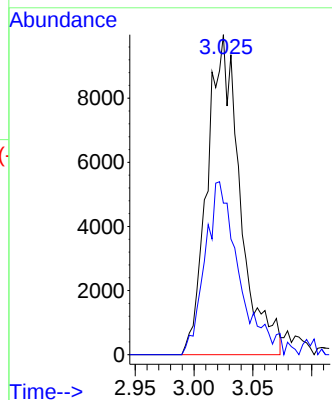
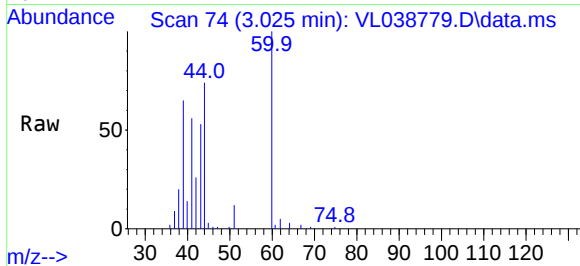
#9
Propene
Concen: 0.497 ppbv m
RT: 3.025 min Scan# 74
Delta R.T. 0.016 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion: 41 Resp: 1941
Ion Ratio Lower Upper
41 100
42 0.0 56.2 84.4

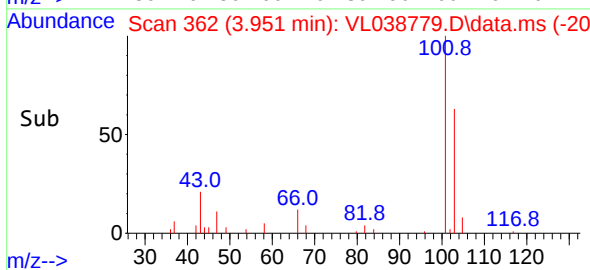
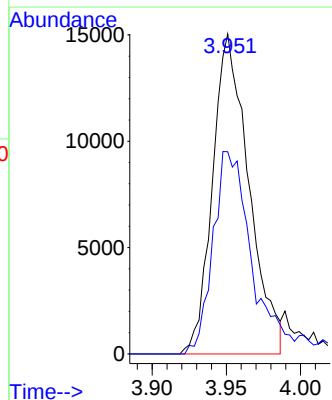
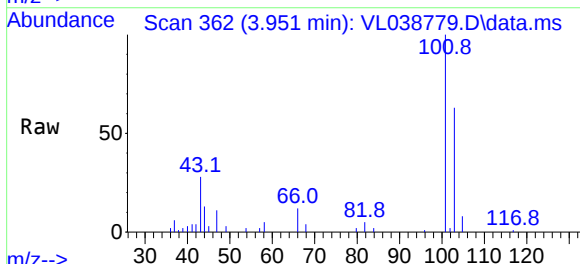
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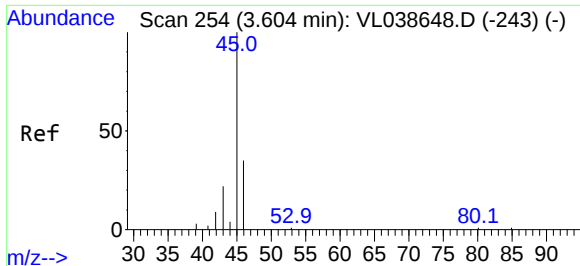
Reviewed By :Semsettin Yesilyurt 03/29/2022
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#11
Trichlorofluoromethane
Concen: 0.282 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.003 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

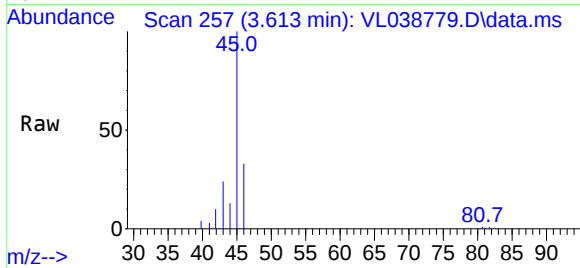
Tgt Ion:101 Resp: 25605
Ion Ratio Lower Upper
101 100
103 63.2 51.9 77.9





#13
Ethanol
Concen: 14.187 ppbv
RT: 3.613 min Scan# 211
Delta R.T. 0.010 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

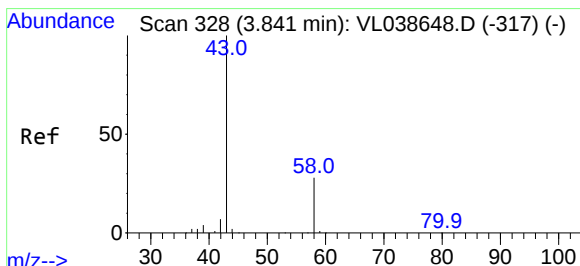
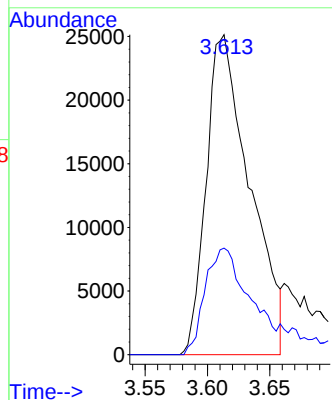
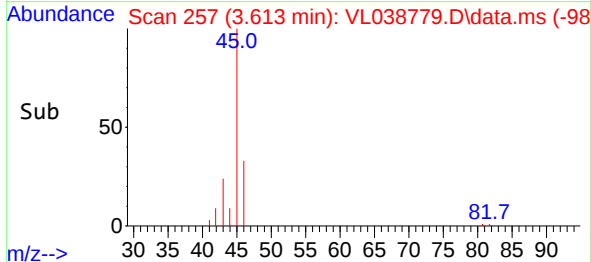
Instrument :
MSVOA_L
ClientSampleId :
V-4



Tgt Ion: 45 Resp: 61122
Ion Ratio Lower Upper
45 100
46 45.8 15.1 60.5

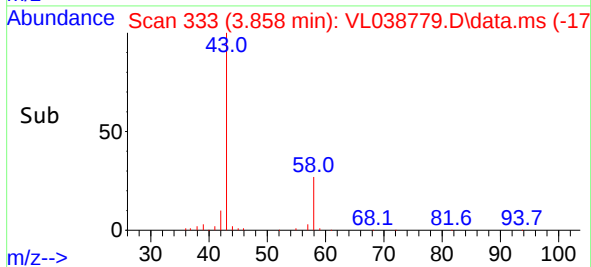
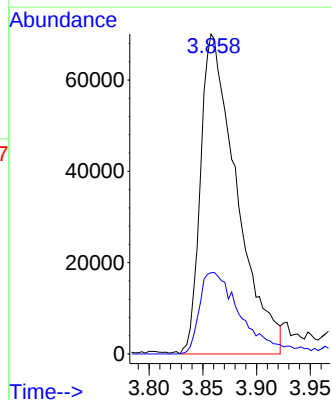
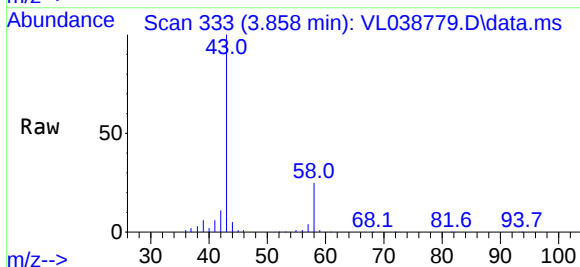
Manual Integrations
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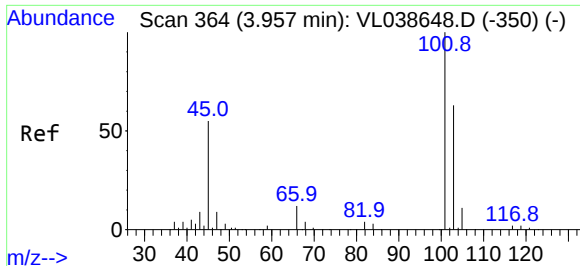
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#15
Acetone
Concen: 2.471 ppbv
RT: 3.858 min Scan# 333
Delta R.T. 0.016 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

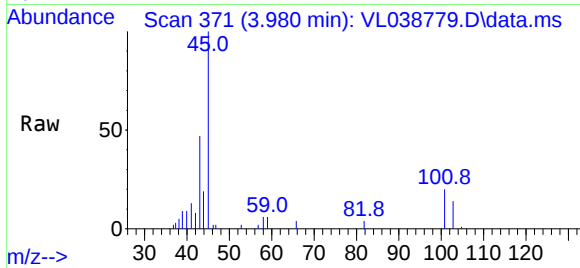
Tgt Ion: 43 Resp: 163292
Ion Ratio Lower Upper
43 100
58 29.5 23.3 34.9





#19
Isopropyl Alcohol
Concen: 0.767 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

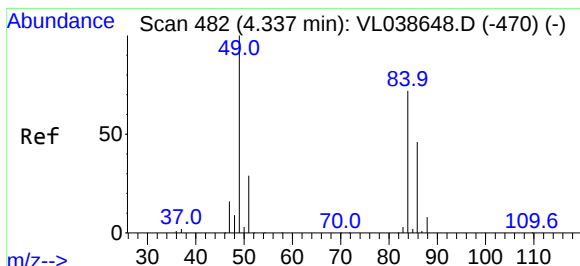
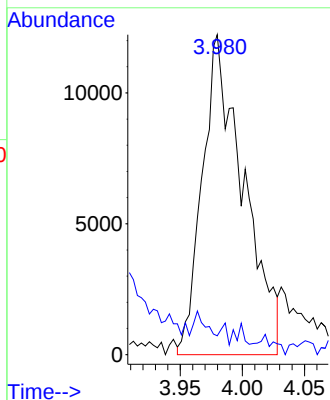
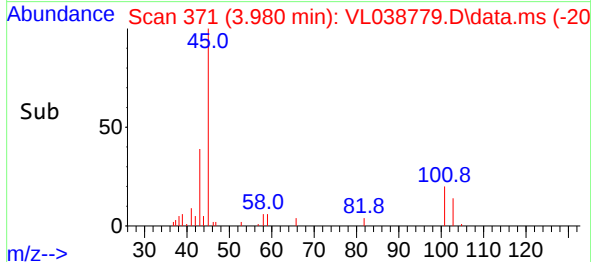
Instrument :
MSVOA_L
ClientSampleId :
V-4



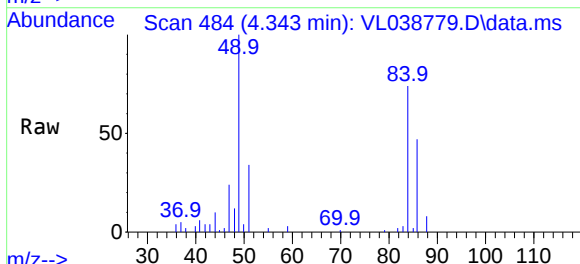
Tgt Ion: 45 Resp: 2810
Ion Ratio Lower Upper
45 100
58 13.9 2.3 3.5

Manual Integrations
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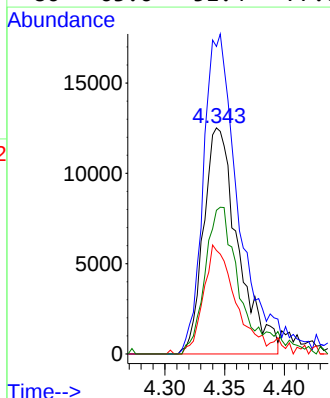
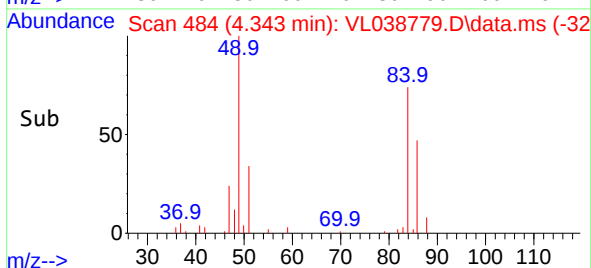
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Supervised By :Mahesh Dadoda 03/29/2022

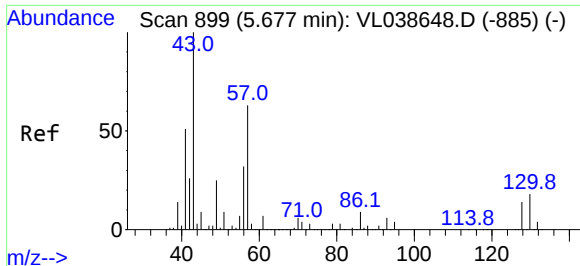


#20
Methylene Chloride
Concen: 0.903 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. 0.006 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19



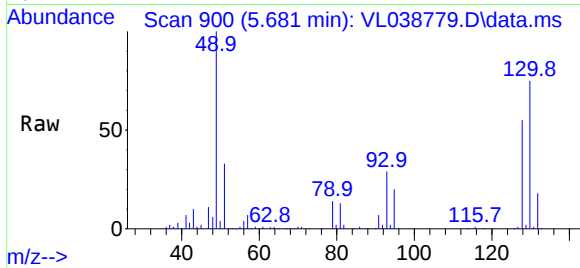
Tgt Ion: 84 Resp: 25134
Ion Ratio Lower Upper
84 100
49 136.0 111.2 166.8
51 45.8 32.8 49.2
86 63.6 51.4 77.0





#26
Hexane
Concen: 0.316 ppbv m
RT: 5.681 min Scan# 900
Delta R.T. 0.003 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

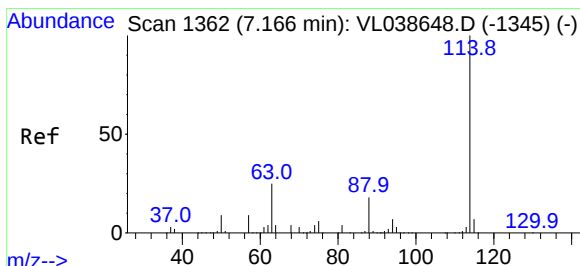
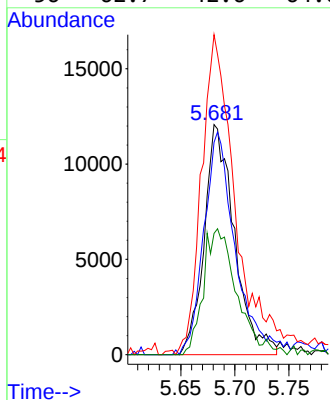
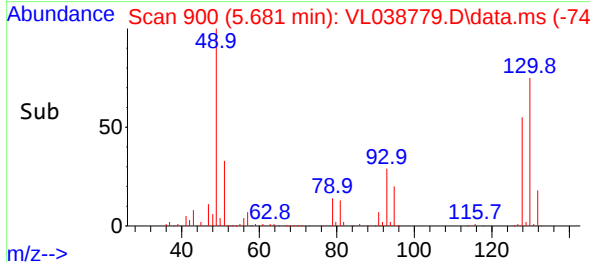
Instrument :
MSVOA_L
ClientSampleId :
V-4



Tgt Ion: 57 Resp: 23500
Ion Ratio Lower Upper
57 100
41 101.2 67.0 100.4
43 165.1 184.2 276.2
56 62.7 42.6 64.0

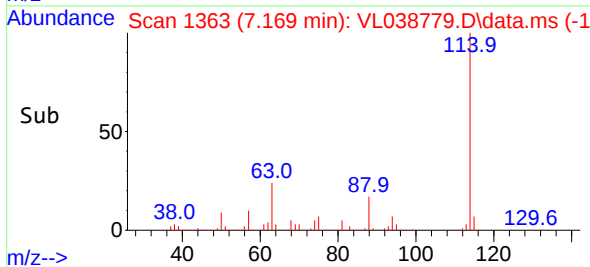
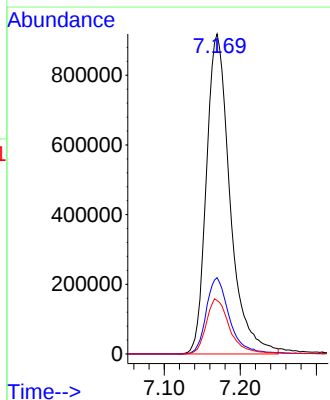
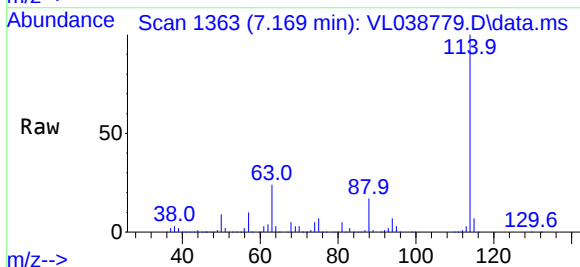
Manual Integrations
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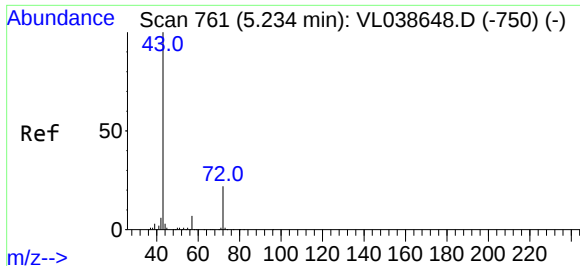
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Supervised By :Mahesh Dadoda 03/29/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

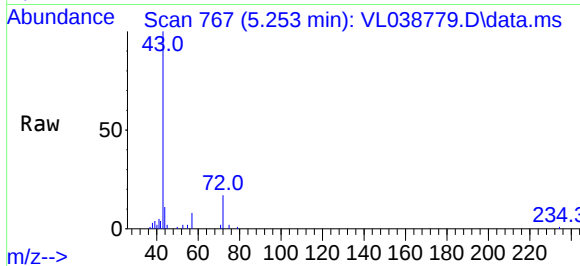
Tgt Ion:114 Resp: 1984024
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 0.339 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.019 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

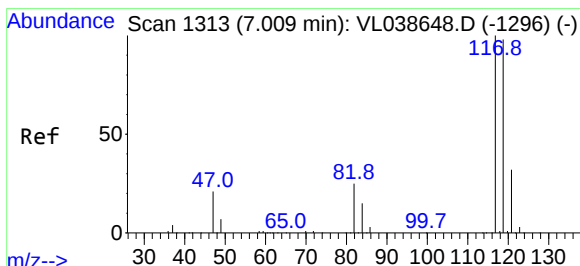
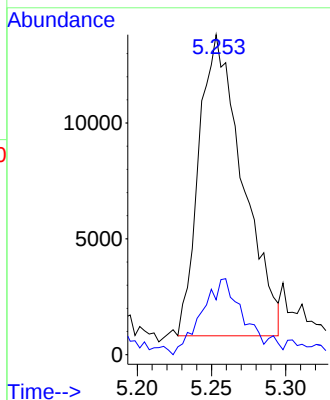
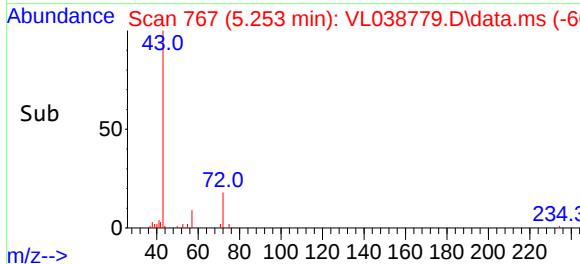
Instrument :
MSVOA_L
ClientSampleId :
V-4



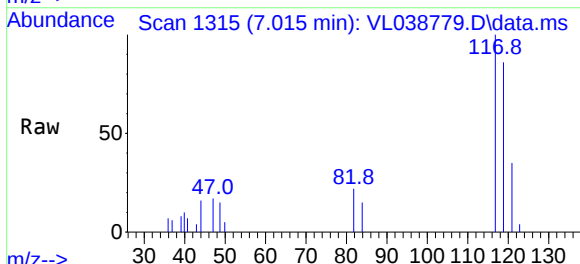
Tgt Ion: 43 Resp: 2665
Ion Ratio Lower Upper
43 100
72 29.0 17.8 26.8

Manual Integrations
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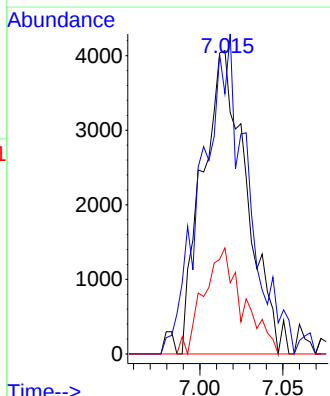
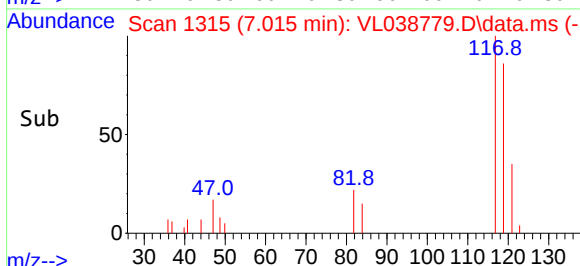
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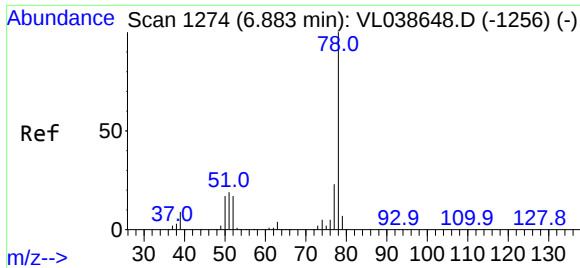


#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 7.015 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19



Tgt Ion:117 Resp: 7464
Ion Ratio Lower Upper
117 100
119 85.8 78.1 117.1
121 35.0 25.8 38.6





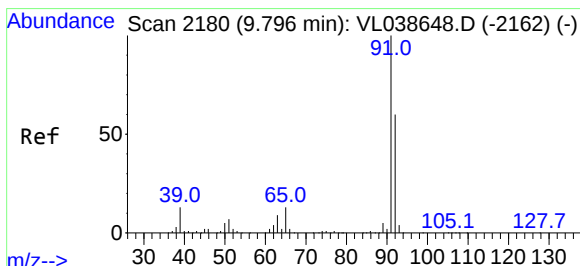
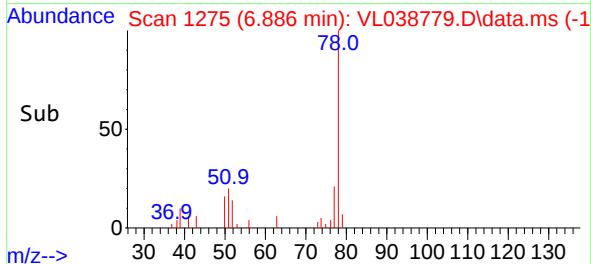
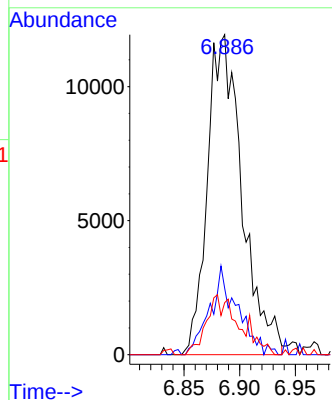
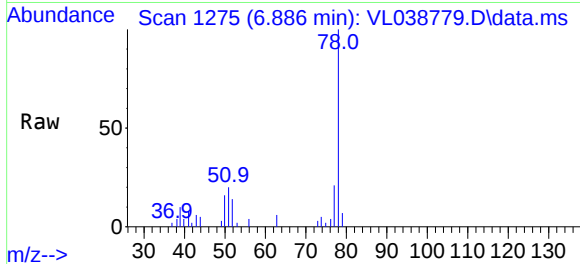
#36
Benzene
Concen: 0.169 ppbv m
RT: 6.886 min Scan# 1274
Delta R.T. 0.003 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

Instrument :
MSVOA_L
ClientSampleId :
V-4

Tgt Ion: 78 Resp: 25800
Ion Ratio Lower Upper
78 100
77 20.8 18.1 27.1
50 16.2 13.6 20.4

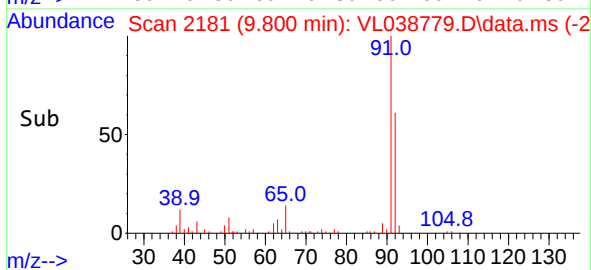
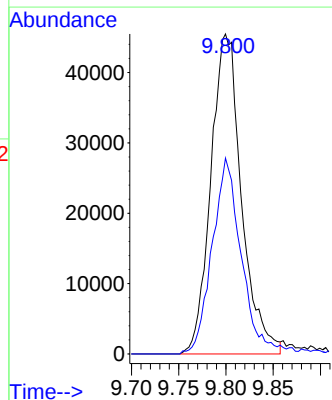
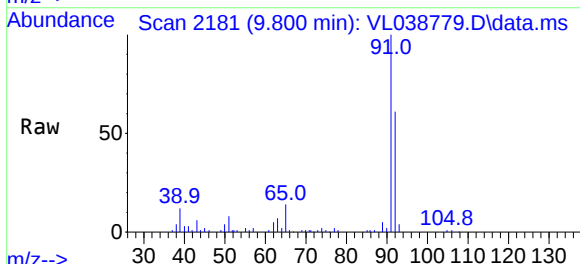
Manual Integrations
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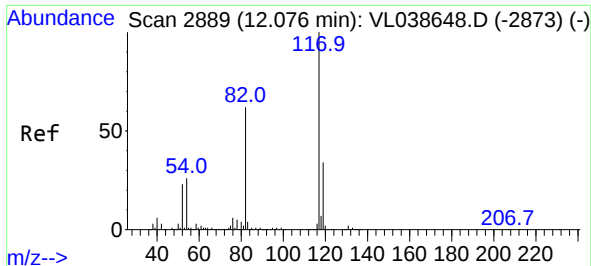
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#53
Toluene
Concen: 0.624 ppbv
RT: 9.800 min Scan# 2181
Delta R.T. 0.003 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

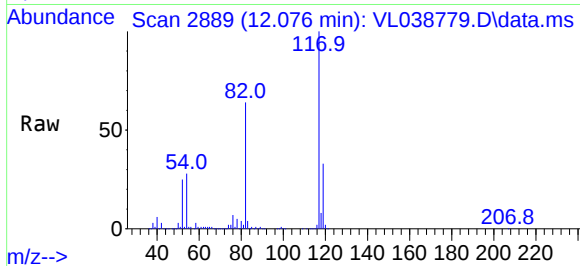
Tgt Ion: 91 Resp: 102659
Ion Ratio Lower Upper
91 100
92 59.8 48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19

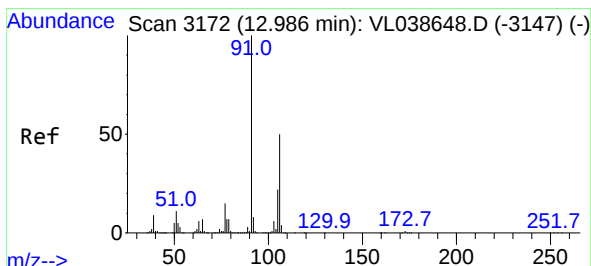
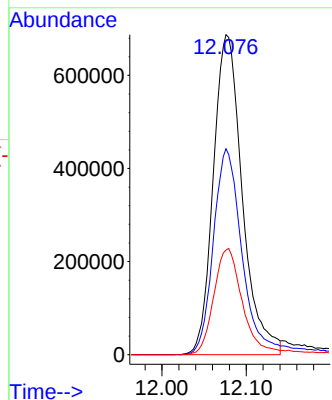
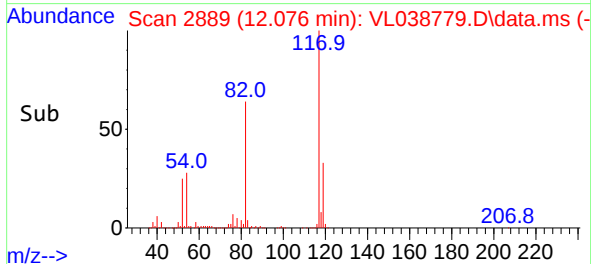
Instrument :
MSVOA_L
ClientSampleId :
V-4



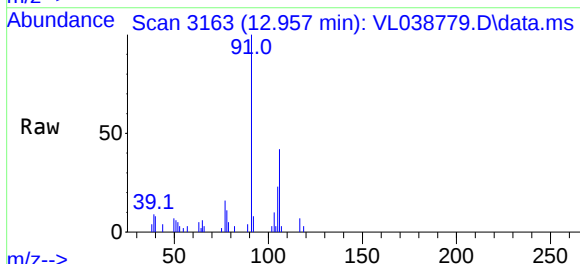
Tgt Ion:117 Resp: 164426
Ion Ratio Lower Upper
117 100
82 67.0 51.6 77.4
119 34.5 26.9 40.3

Manual Integrations
APPROVED

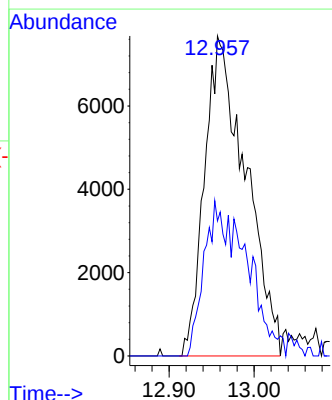
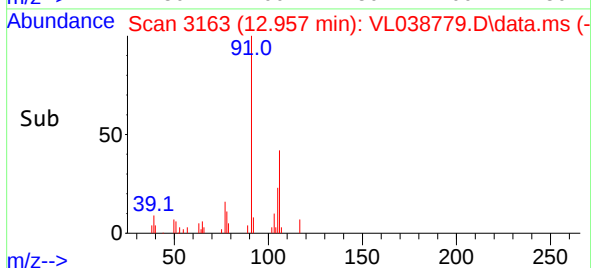
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

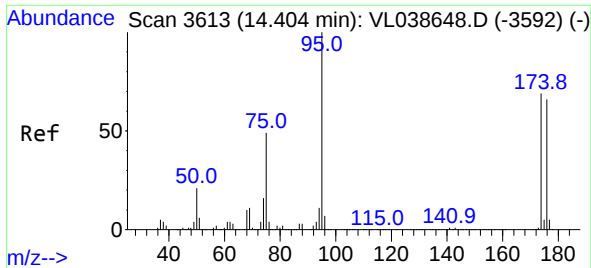


#59
m/p-Xylene
Concen: 0.153 ppbv m
RT: 12.957 min Scan# 3163
Delta R.T. -0.029 min
Lab File: VL038779.D
Acq: 28 Mar 2022 20:19



Tgt Ion: 91 Resp: 25739
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.283 ppbv
 RT: 14.404 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL038779.D
 Acq: 28 Mar 2022 20:19

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4

Tgt Ion: 95 Resp: 1296325
 Ion Ratio Lower Upper
 95 100
 174 70.4 56.1 84.1
 175 4.7 4.2 6.2

Manual Integrations
 APPROVED

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

