

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038436.D
 Acq On : 24 Feb 2022 16:10
 Operator : SY/AP
 Sample : N1605-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2022
 Supervised By :Mahesh Dadoda 02/28/2022

Quant Time: Feb 25 00:45:06 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 2

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.636	49	723815	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.137	114	1846410	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.041	117	1632675	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.375	95	1266039	9.372	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.031	85	23499	0.205	ppbv	100
4) Chloromethane	3.128	50	27930m	0.629	ppbv	
9) Propene	3.002	41	106388	2.521	ppbv #	69
10) Heptane	8.086	43	60109	0.585	ppbv	97
11) Trichlorofluoromethane	3.928	101	23570	0.215	ppbv	88
13) Ethanol	3.584	45	3833482	910.230	ppbv	89
15) Acetone	3.825	43	332592	5.403	ppbv #	58
19) Isopropyl Alcohol	3.944	45	4613415	129.431	ppbv #	97
20) Methylene Chloride	4.324	84	31524	1.034	ppbv	88
26) Hexane	5.658	57	448069	5.983	ppbv #	47
29) Chloroform	5.722	83	23094m	0.189	ppbv	
30) Cyclohexane	7.099	84	14525m	0.237	ppbv	
34) 2-Butanone	5.214	43	95283	1.641	ppbv #	90
35) Carbon Tetrachloride	6.983	117	8328m	0.064	ppbv	
36) Benzene	6.857	78	114232	0.703	ppbv	97
44) 2,2,4-Trimethylpentane	7.835	57	88887m	0.318	ppbv	
53) Toluene	9.764	91	1023803	5.801	ppbv	99
58) Ethyl Benzene	12.671	91	39902m	0.179	ppbv	
59) m/p-Xylene	12.922	91	83955m	0.438	ppbv	
60) o-Xylene	13.642	91	34569m	0.191	ppbv	
61) Styrene	13.491	104	12184m	0.146	ppbv	
74) 1,2,4-Trimethylbenzene	16.716	105	28639m	0.150	ppbv	

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

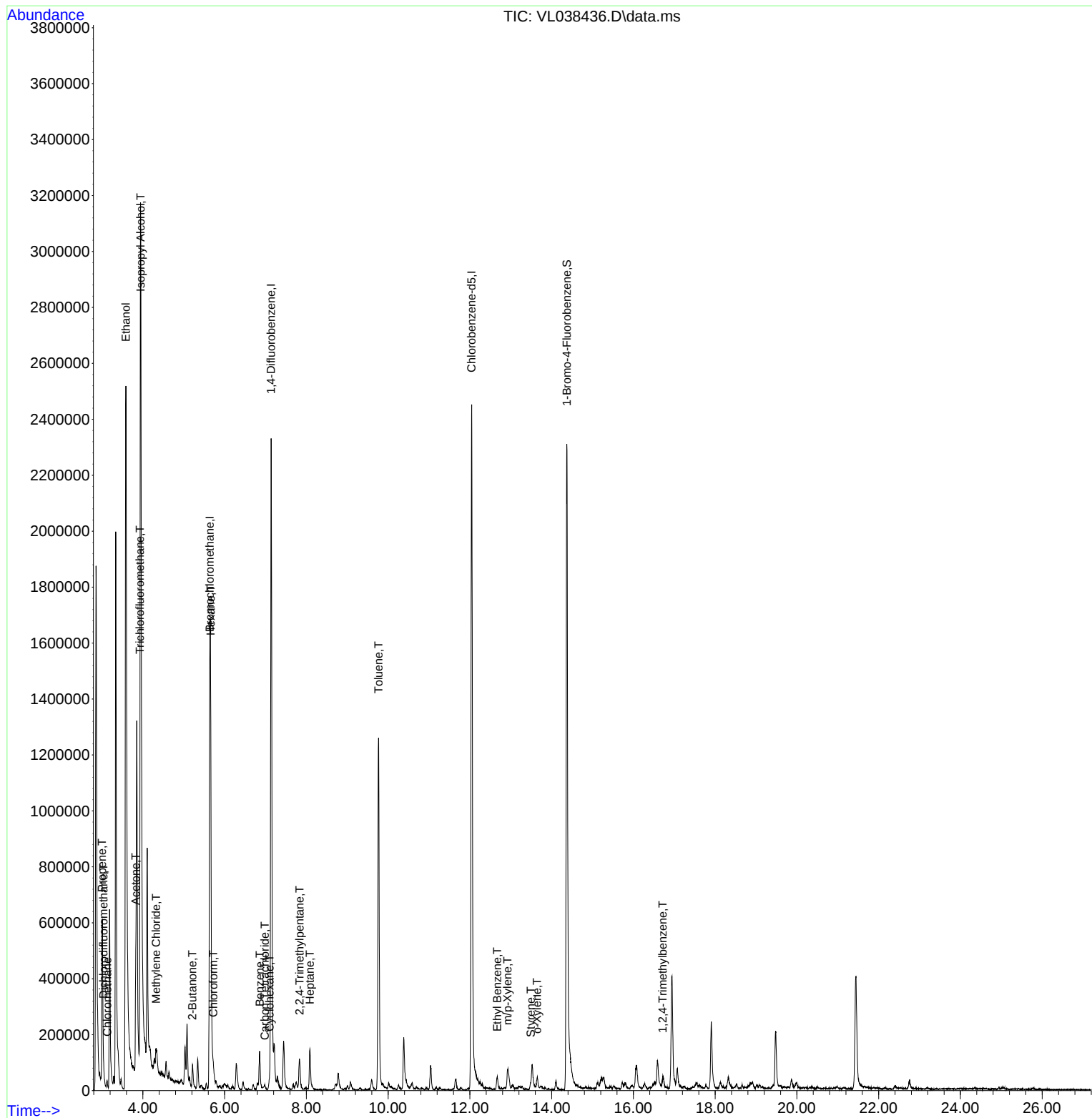
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
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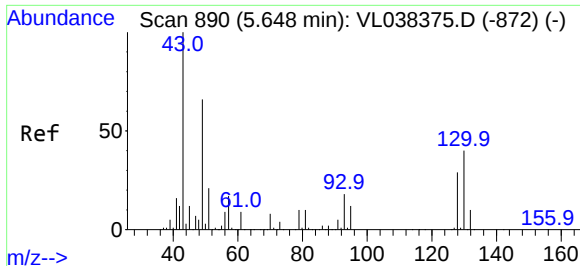
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Feb 25 00:45:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

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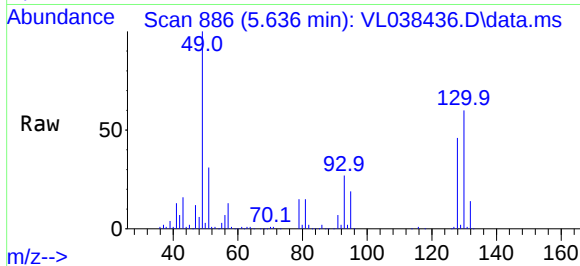
Reviewed By : Semsettin Yesilyurt 02/28/2022
Supervised By : Mahesh Dadoda 02/28/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.636 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

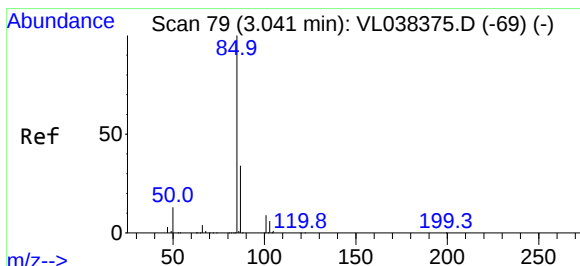
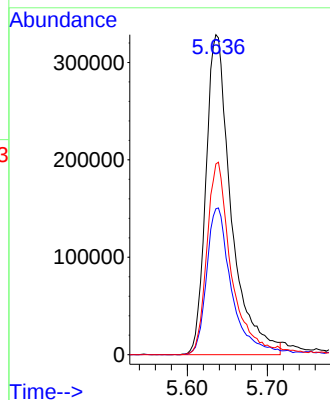
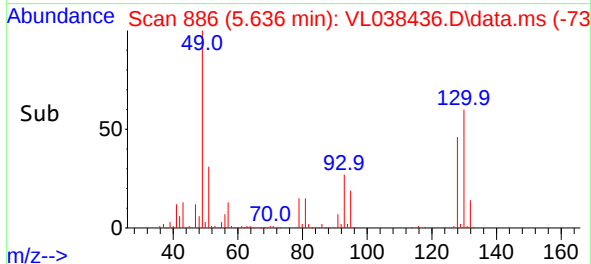
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 49 Resp: 72381
Ion Ratio Lower Upper
49 100
128 46.0 24.3 72.9
130 59.8 30.1 90.5

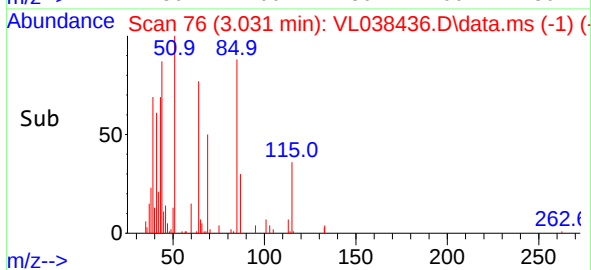
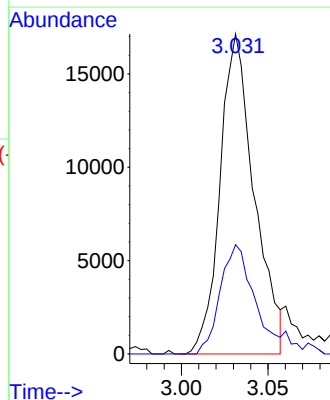
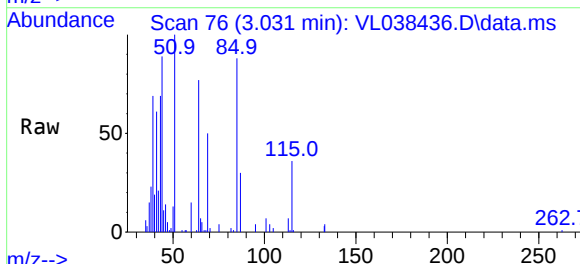
Manual Integrations
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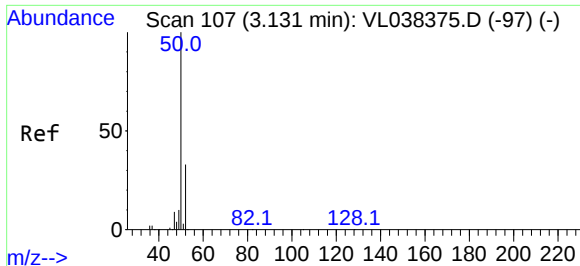
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#2
Dichlorodifluoromethane
Concen: 0.205 ppbv
RT: 3.031 min Scan# 76
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

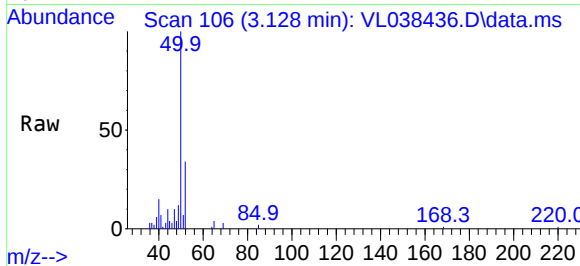
Tgt Ion: 85 Resp: 23499
Ion Ratio Lower Upper
85 100
87 34.2 27.4 41.0





#4
Chloromethane
Concen: 0.629 ppbv m
RT: 3.128 min Scan# 107
Delta R.T. -0.003 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

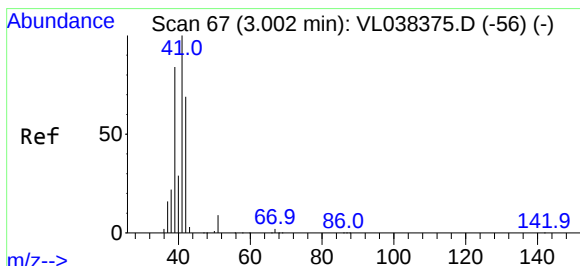
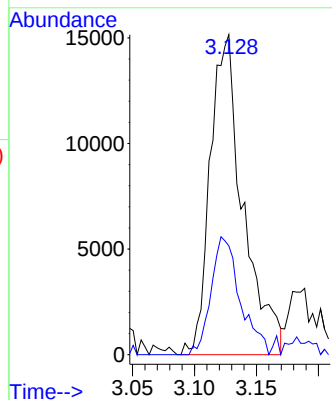
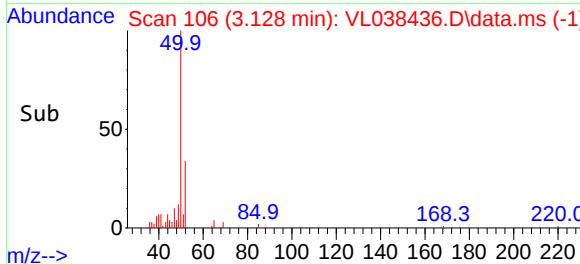
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 50 Resp: 27930
Ion Ratio Lower Upper
50 100
52 34.0 26.5 39.7

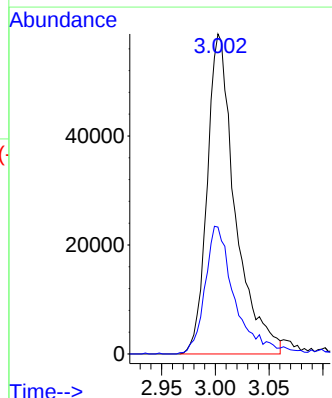
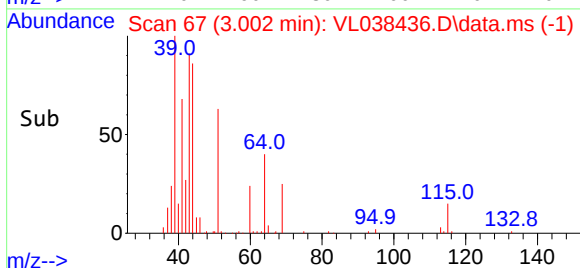
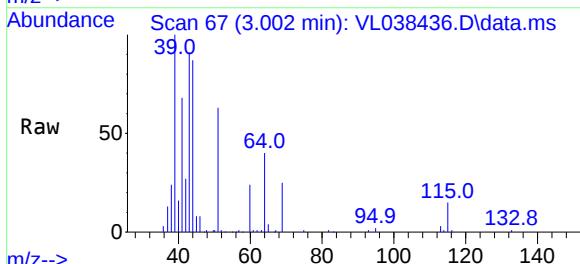
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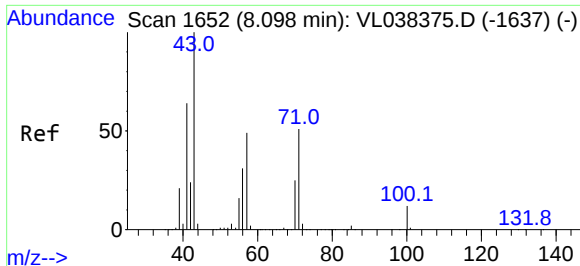
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#9
Propene
Concen: 2.521 ppbv
RT: 3.002 min Scan# 67
Delta R.T. 0.000 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion: 41 Resp: 106388
Ion Ratio Lower Upper
41 100
42 43.6 54.6 82.0#





#10

Heptane

Concen: 0.585 ppbv

RT: 8.086 min Scan# 1648

Delta R.T. -0.013 min

Lab File: VL038436.D

Acq: 24 Feb 2022 16:10

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 43 Resp: 60109

Ion Ratio Lower Upper

43 100

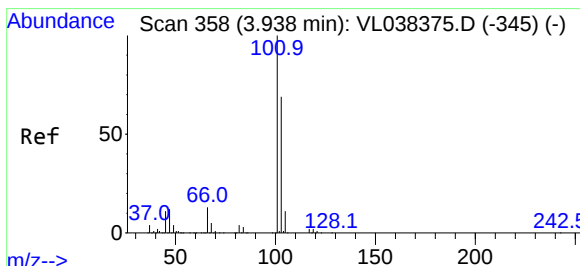
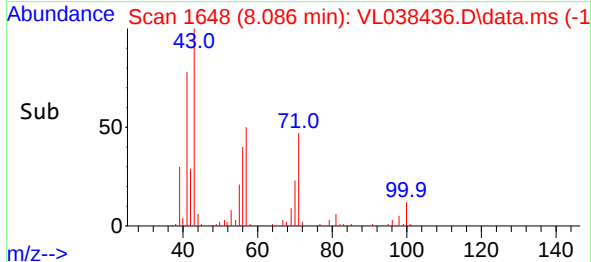
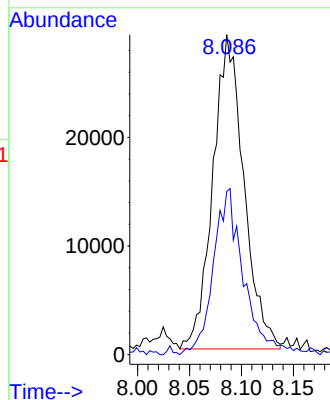
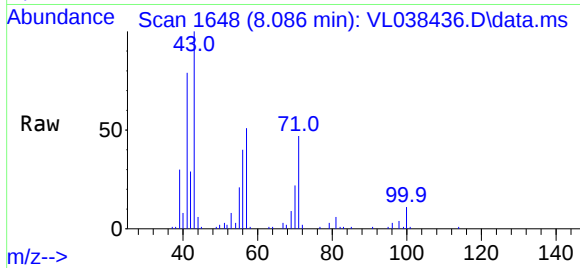
57 52.1 39.8 59.8

Manual Integrations

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Supervised By :Mahesh Dadoda 02/28/2022



#11

Trichlorofluoromethane

Concen: 0.215 ppbv

RT: 3.928 min Scan# 355

Delta R.T. -0.009 min

Lab File: VL038436.D

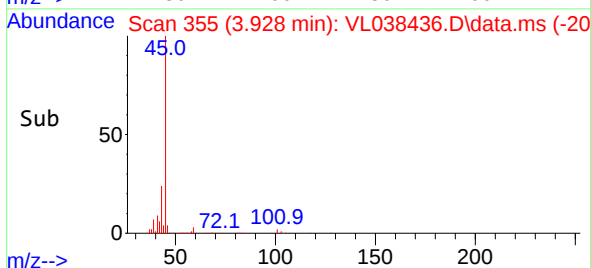
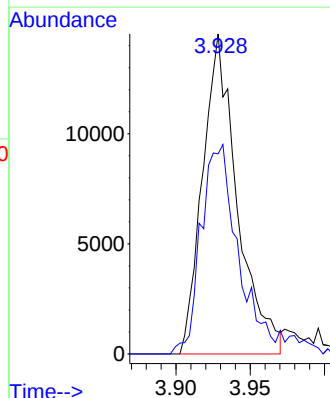
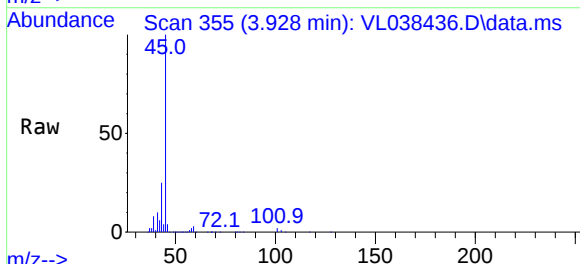
Acq: 24 Feb 2022 16:10

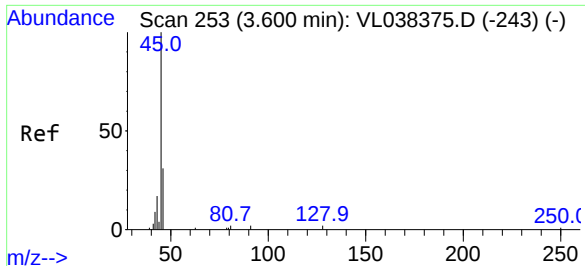
Tgt Ion:101 Resp: 23570

Ion Ratio Lower Upper

101 100

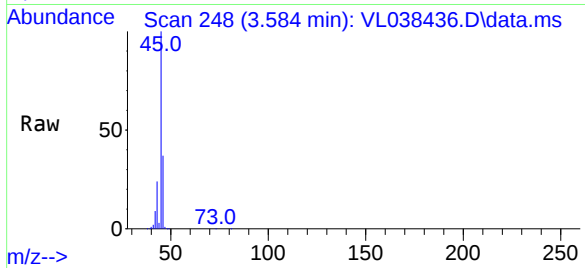
103 59.1 55.0 82.4





#13
Ethanol
Concen: 910.230 ppbv
RT: 3.584 min Scan# 248
Delta R.T. -0.016 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

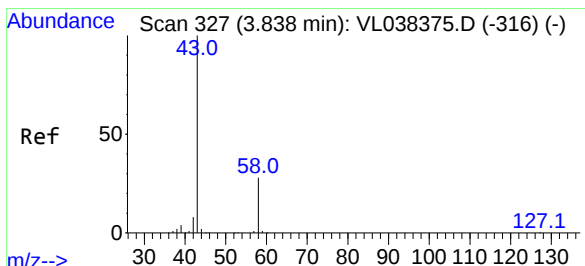
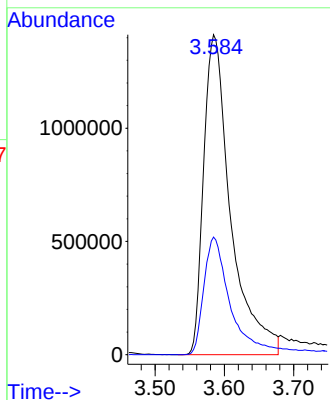
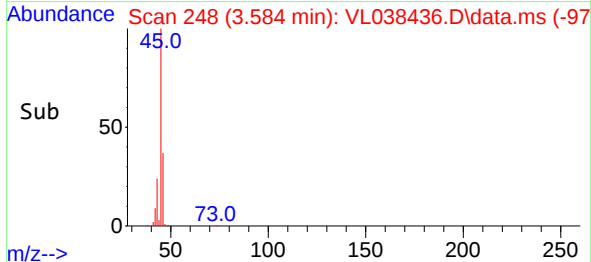
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 45 Resp: 383348
Ion Ratio Lower Upper
45 100
46 38.1 18.2 72.8

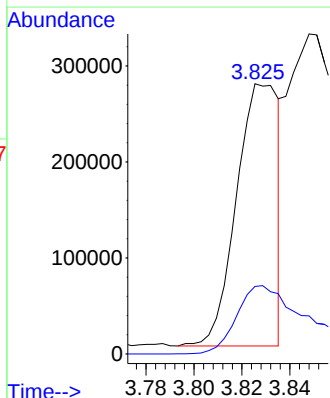
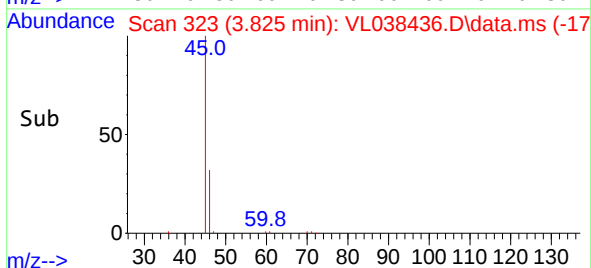
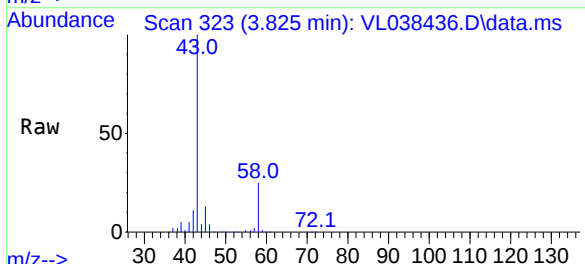
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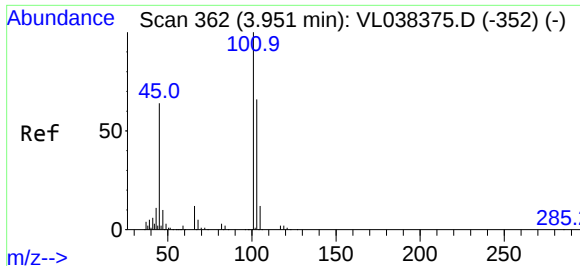
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#15
Acetone
Concen: 5.403 ppbv
RT: 3.825 min Scan# 323
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

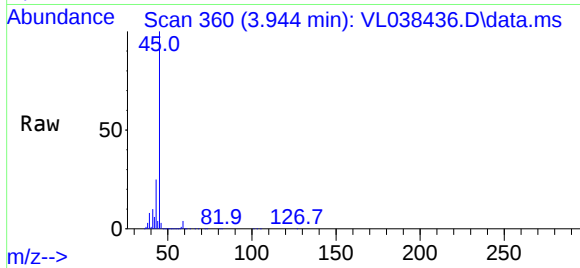
Tgt Ion: 43 Resp: 332592
Ion Ratio Lower Upper
43 100
58 48.7 21.7 32.5





#19
Isopropyl Alcohol
Concen: 129.431 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

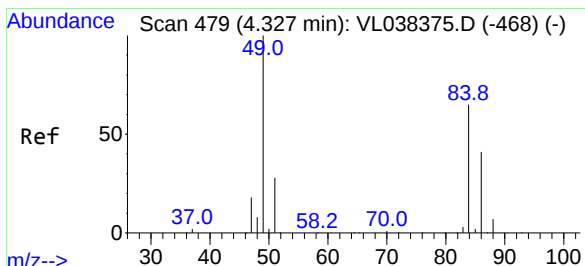
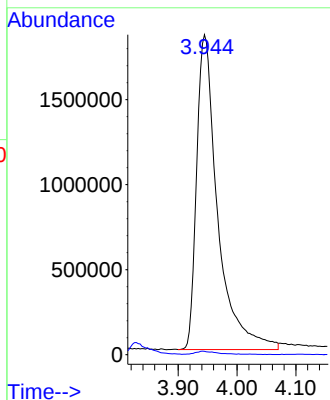
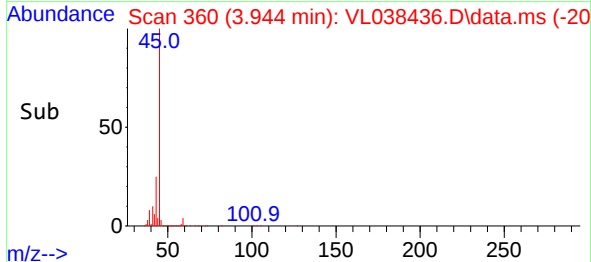
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 45 Resp: 461341
Ion Ratio Lower Upper
45 100
58 1.4 1.8 2.8

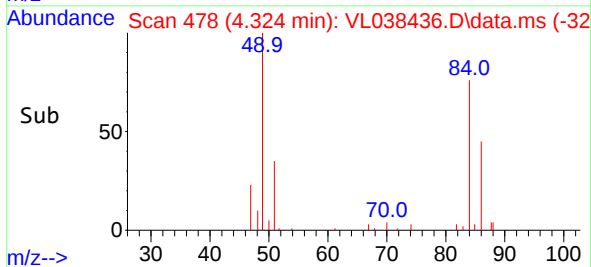
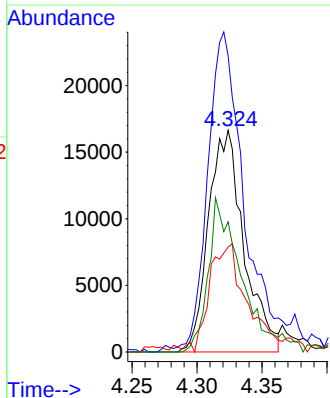
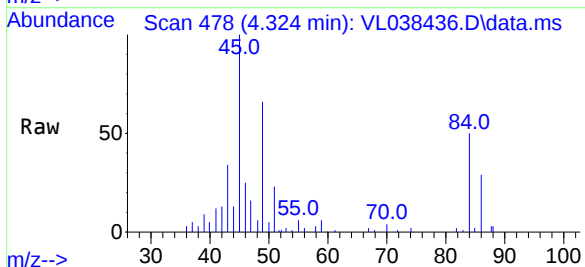
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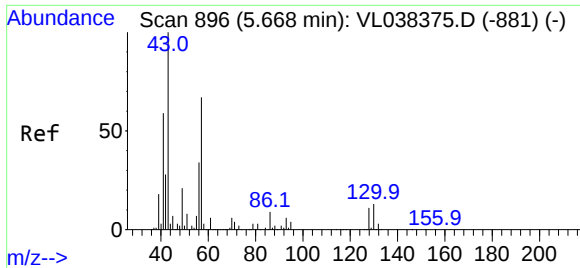
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#20
Methylene Chloride
Concen: 1.034 ppbv
RT: 4.324 min Scan# 478
Delta R.T. -0.003 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

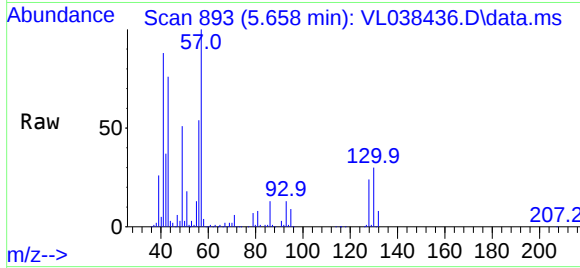
Tgt Ion: 84 Resp: 31524
Ion Ratio Lower Upper
84 100
49 131.4 122.4 183.6
51 45.1 33.3 49.9
86 58.7 50.7 76.1





#26
Hexane
Concen: 5.983 ppbv
RT: 5.658 min Scan# 896
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

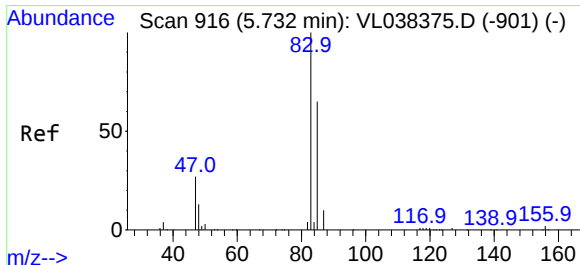
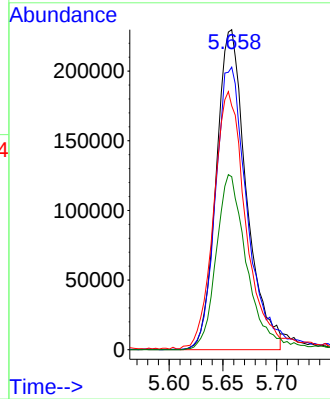
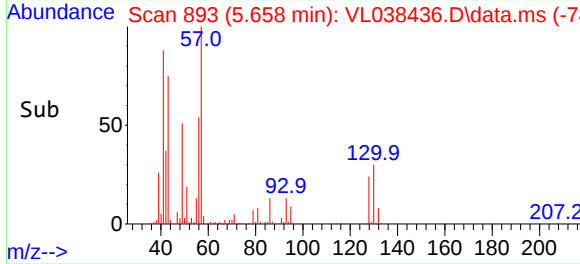
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 57 Resp: 448069
Ion Ratio Lower Upper
57 100
41 95.5 73.1 109.7
43 89.5 181.0 271.4
56 57.4 43.4 65.0

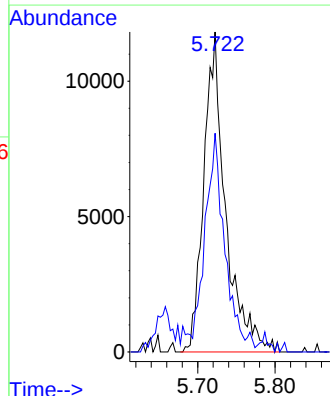
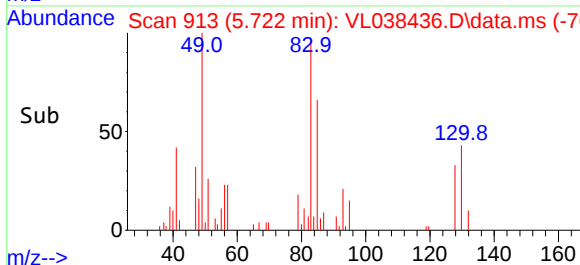
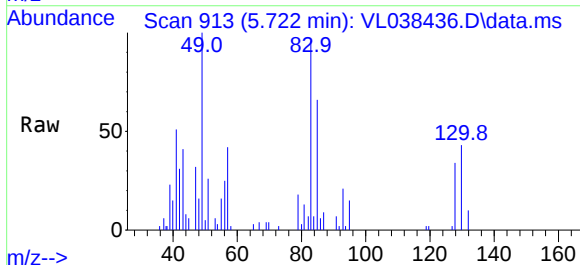
Manual Integrations
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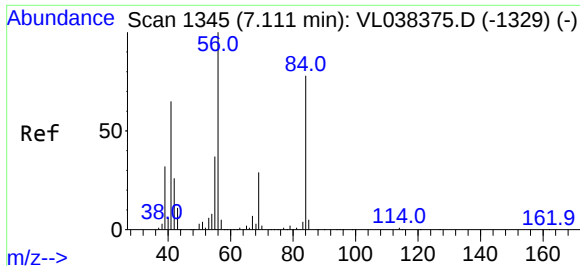
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#29
Chloroform
Concen: 0.189 ppbv m
RT: 5.722 min Scan# 913
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

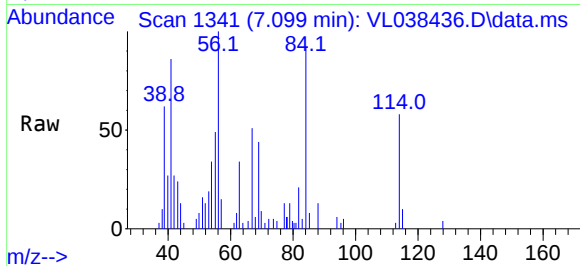
Tgt Ion: 83 Resp: 23094
Ion Ratio Lower Upper
83 100
85 68.4 51.6 77.4





#30
Cyclohexane
Concen: 0.237 ppbv m
RT: 7.099 min Scan# 1341
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

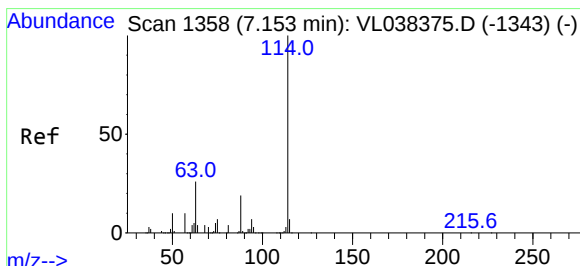
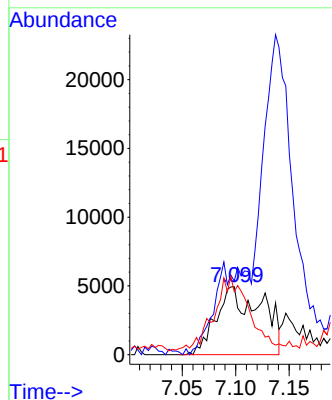
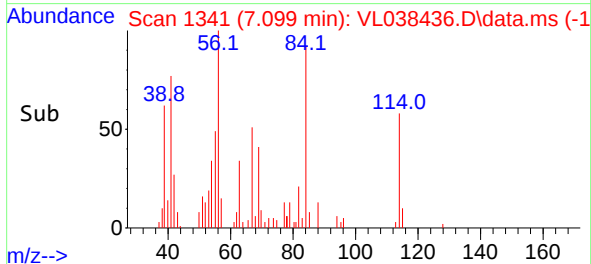
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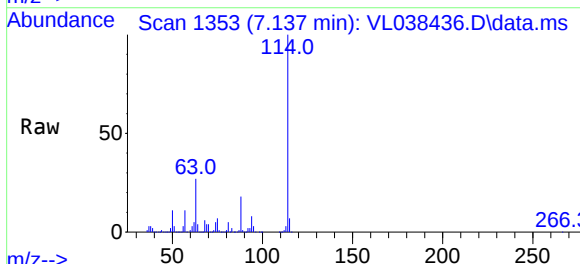
Tgt Ion: 84 Resp: 1452
Ion Ratio Lower Upper
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56 0.0 116.2 174.4
41 85.7 74.3 111.5

Manual Integrations
APPROVED

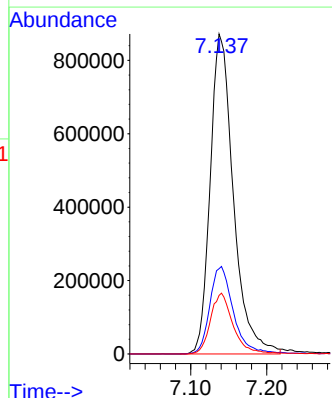
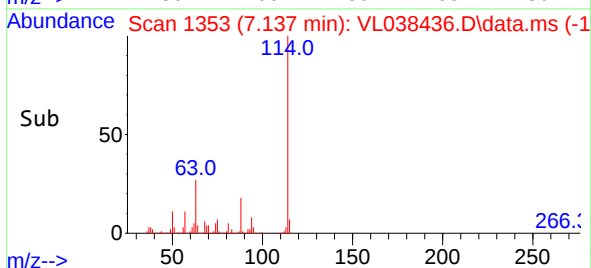
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022

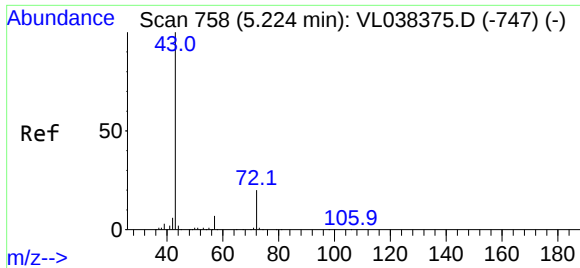


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.137 min Scan# 1353
Delta R.T. -0.016 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10



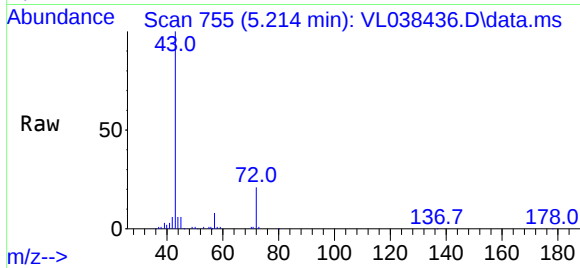
Tgt Ion:114 Resp: 1846410
Ion Ratio Lower Upper
114 100
63 28.2 22.2 33.2
88 18.8 15.2 22.8





#34
2-Butanone
Concen: 1.641 ppbv
RT: 5.214 min Scan# 71
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

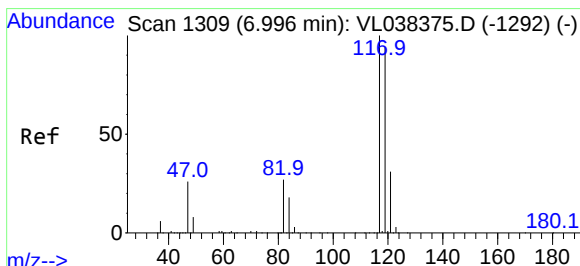
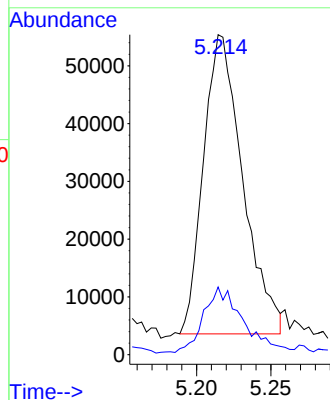
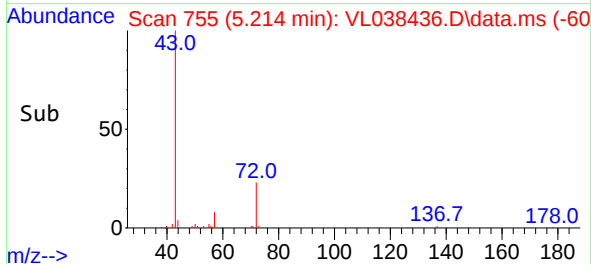
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp: 9528
Ion Ratio Lower Upper
43 100
72 26.7 17.4 26.2

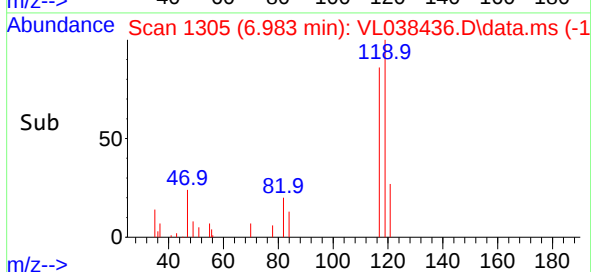
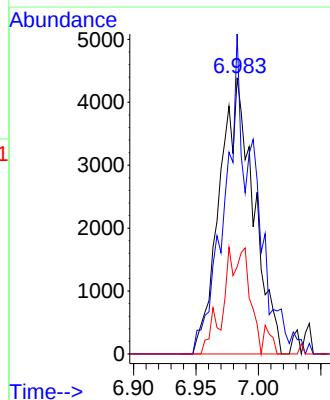
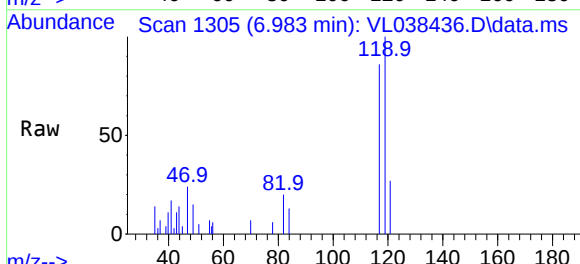
Manual Integrations
APPROVED

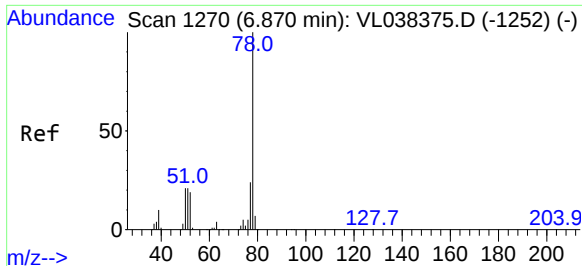
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 6.983 min Scan# 1305
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

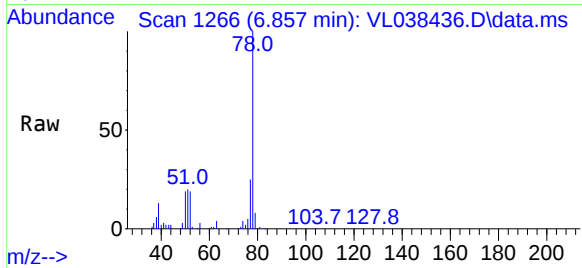
Tgt Ion:117 Resp: 8328
Ion Ratio Lower Upper
117 100
119 115.9 74.9 112.3#
121 31.5 24.8 37.2





#36
Benzene
Concen: 0.703 ppbv
RT: 6.857 min Scan# 11423
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

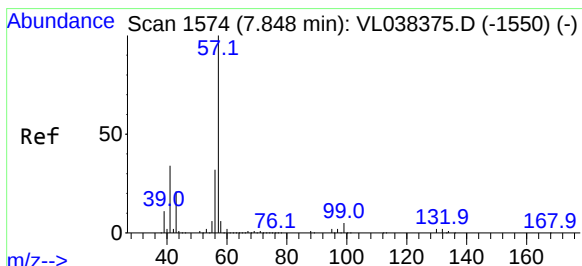
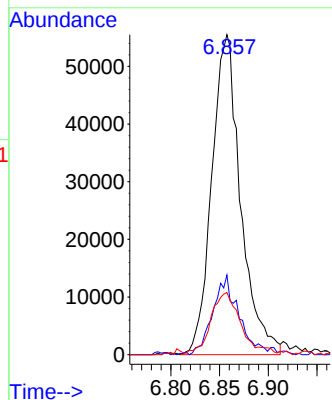
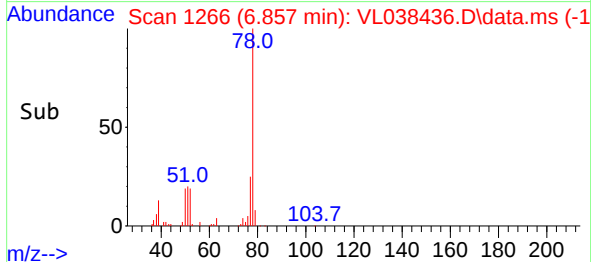
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 78 Resp: 11423
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6
50 18.4 16.6 24.8

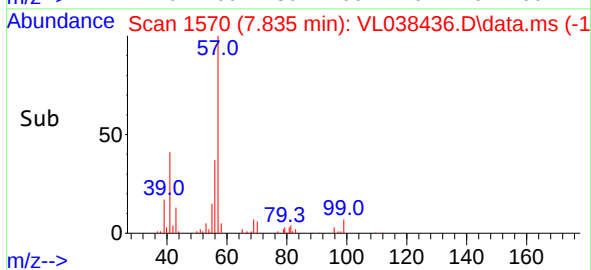
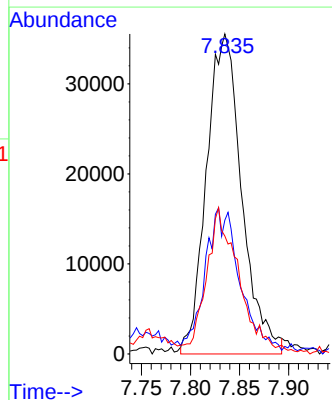
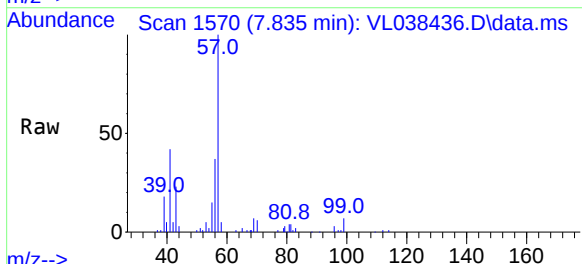
Manual Integrations
APPROVED

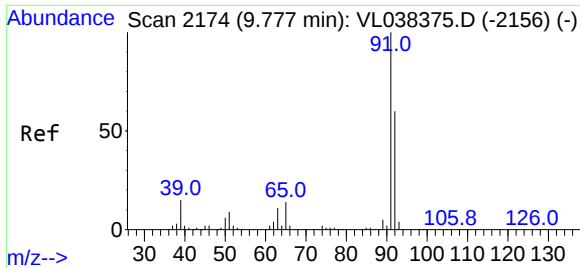
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#44
2,2,4-Trimethylpentane
Concen: 0.318 ppbv m
RT: 7.835 min Scan# 1570
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

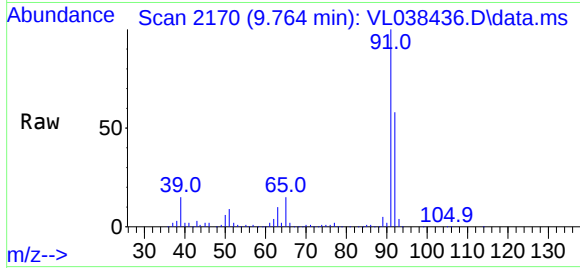
Tgt Ion: 57 Resp: 88887
Ion Ratio Lower Upper
57 100
41 44.4 26.6 39.8#
56 43.2 25.0 37.6#





#53
Toluene
Concen: 5.801 ppbv
RT: 9.764 min Scan# 2174
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

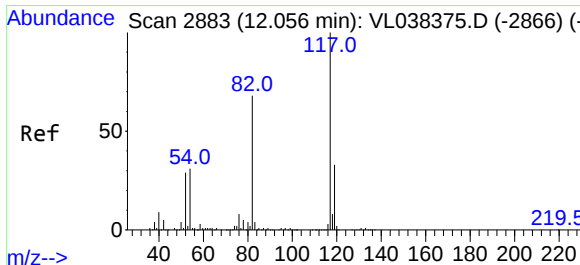
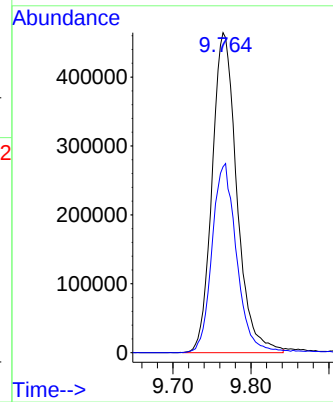
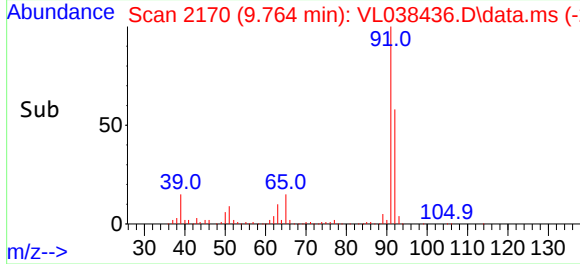
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 91 Resp: 102380
Ion Ratio Lower Upper
91 100
92 59.3 48.2 72.4

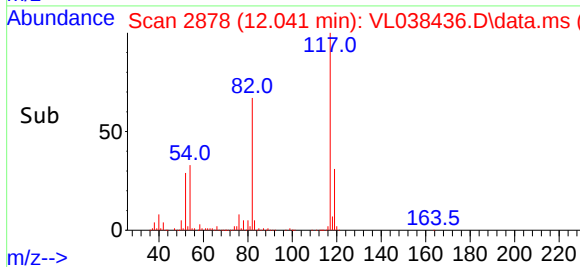
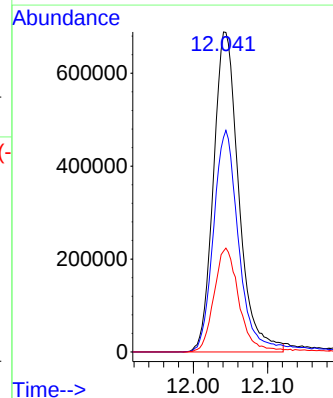
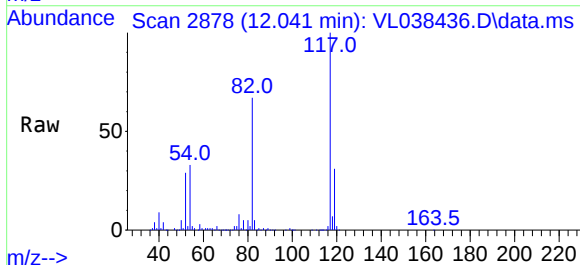
Manual Integrations
APPROVED

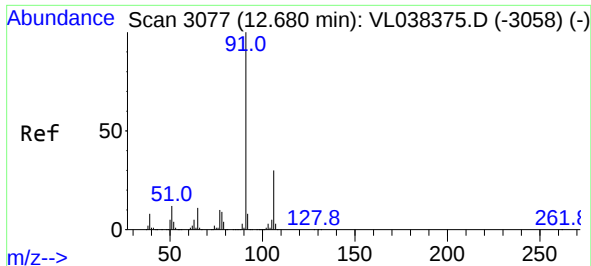
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.041 min Scan# 2878
Delta R.T. -0.016 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

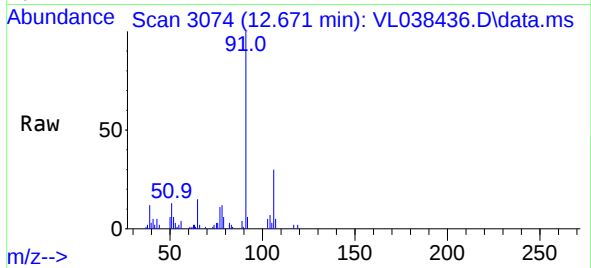
Tgt Ion:117 Resp: 1632675
Ion Ratio Lower Upper
117 100
82 71.8 54.9 82.3
119 33.3 46.1 69.1#





#58
Ethyl Benzene
Concen: 0.179 ppbv m
RT: 12.671 min Scan# 3074
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

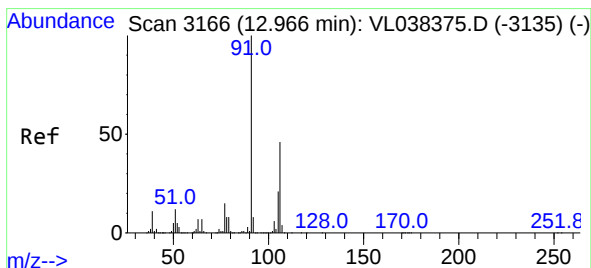
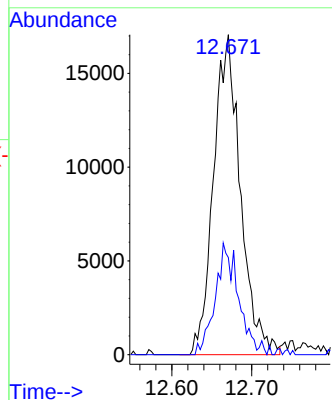
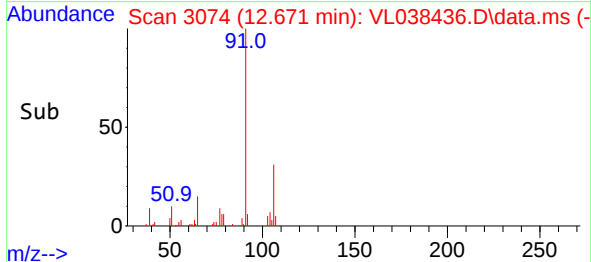
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 91 Resp: 3990
Ion Ratio Lower Upper
91 100
106 30.3 24.0 36.0

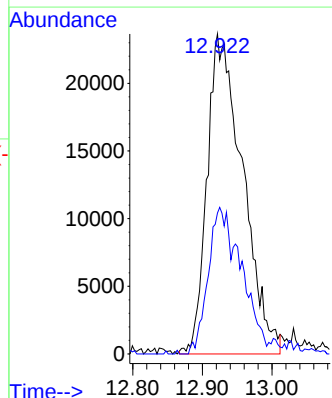
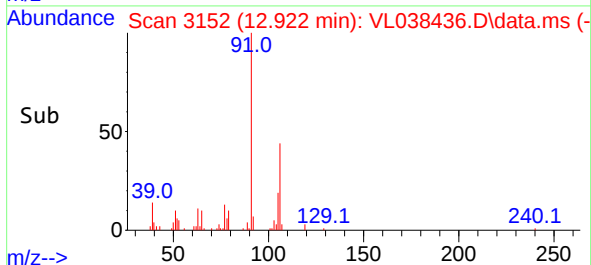
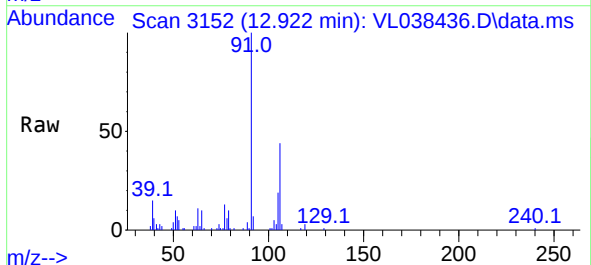
Manual Integrations
APPROVED

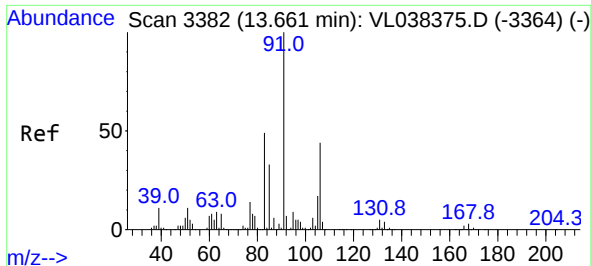
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#59
m/p-Xylene
Concen: 0.438 ppbv m
RT: 12.922 min Scan# 3152
Delta R.T. -0.045 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

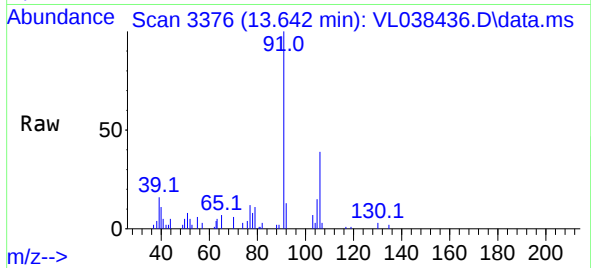
Tgt Ion: 91 Resp: 83955
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





#60
o-Xylene
Concen: 0.191 ppbv m
RT: 13.642 min Scan# 3376
Delta R.T. -0.019 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

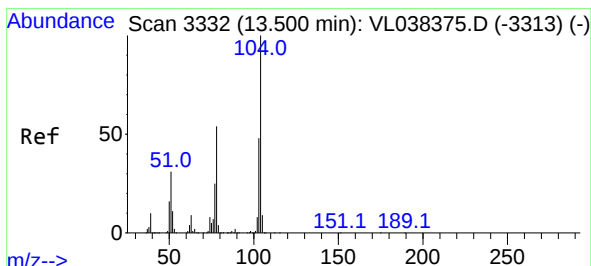
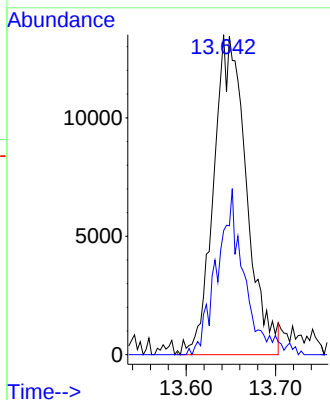
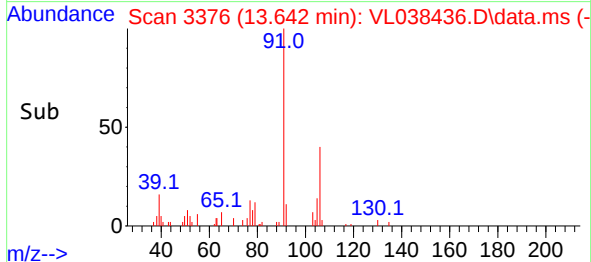
Instrument :
MSVOA_L
ClientSampleId :
IA-2



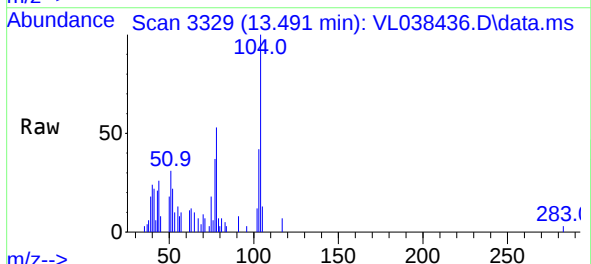
Tgt Ion: 91 Resp: 3456
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5

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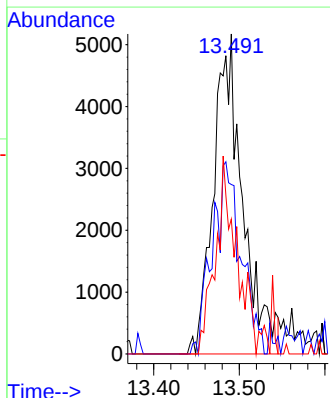
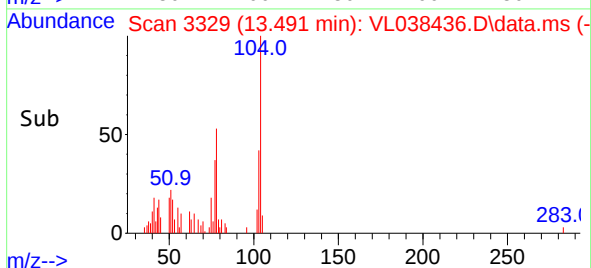
Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022

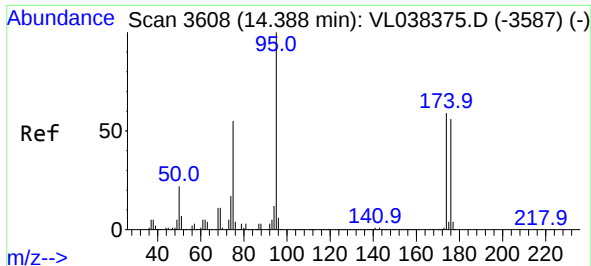


#61
Styrene
Concen: 0.146 ppbv m
RT: 13.491 min Scan# 3329
Delta R.T. -0.009 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10



Tgt Ion:104 Resp: 12184
Ion Ratio Lower Upper
104 100
78 59.6 44.2 66.4
103 49.5 38.4 57.6





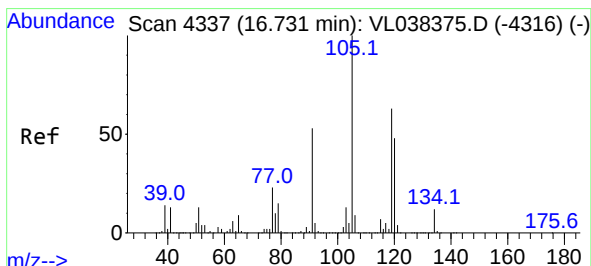
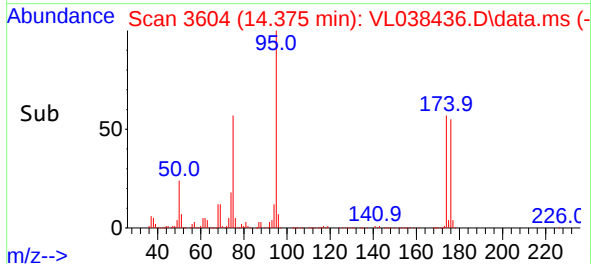
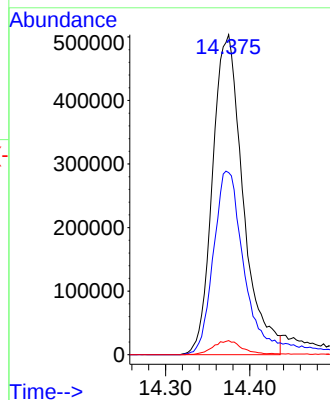
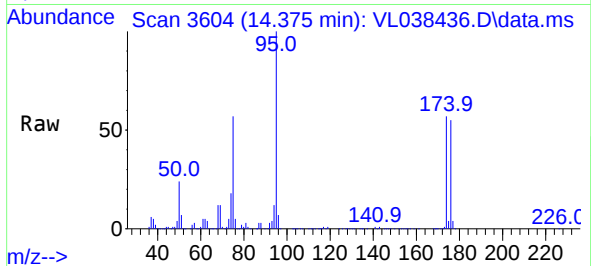
#68
1-Bromo-4-Fluorobenzene
Concen: 9.372 ppbv
RT: 14.375 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 95 Resp: 1266039
Ion Ratio Lower Upper
95 100
174 61.9 49.0 73.4
175 4.3 3.6 5.4

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Reviewed By :Semsettin Yesilyurt 02/28/2022
Supervised By :Mahesh Dadoda 02/28/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.150 ppbv m
RT: 16.716 min Scan# 4332
Delta R.T. -0.016 min
Lab File: VL038436.D
Acq: 24 Feb 2022 16:10

Tgt Ion:105 Resp: 28639
Ion Ratio Lower Upper
105 100
120 42.2 38.2 57.4
91 14.8 42.7 64.1#
77 15.7 18.5 27.7#

