

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038415.D
 Acq On : 23 Feb 2022 19:43
 Operator : SY/AP
 Sample : N1607-06 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-10

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:31:05 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

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	5.655	49	932544	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.163	114	2531519	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.069	117	2238203	10.000	ppbv	# 0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	1772970	9.574	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						
					Qvalue	
9) Propene	3.012	41	16273m	0.299	ppbv	
10) Heptane	8.108	43	841841	6.361	ppbv	100
13) Ethanol	3.610	45	61797m	11.389	ppbv	
15) Acetone	3.848	43	498108	6.281	ppbv	98
17) tert-Butyl alcohol	4.295	59	73537m	0.929	ppbv	
19) Isopropyl Alcohol	3.967	45	117852	2.566	ppbv	# 1
20) Methylene Chloride	4.333	84	12930m	0.329	ppbv	
26) Hexane	5.674	57	286646	2.971	ppbv	# 42
30) Cyclohexane	7.118	84	311336	3.945	ppbv	94
34) 2-Butanone	5.240	43	52413	0.658	ppbv	91
36) Benzene	6.877	78	132941	0.597	ppbv	93
44) 2,2,4-Trimethylpentane	7.854	57	381575	0.996	ppbv	# 40
53) Toluene	9.790	91	4267932	17.638	ppbv	98
57) Chlorobenzene	12.172	112	173017m	1.002	ppbv	
58) Ethyl Benzene	12.693	91	999127	3.264	ppbv	98
59) m/p-Xylene	12.950	91	2053344	7.812	ppbv	91
60) o-Xylene	13.674	91	911760	3.669	ppbv	98
62) Isopropylbenzene	14.645	105	239007	0.717	ppbv	98
64) n-propylbenzene	15.542	120	124682	1.510	ppbv	97
65) tert-Butylbenzene	16.738	119	134665	0.466	ppbv	# 69
67) sec-Butylbenzene	17.275	105	234608	0.573	ppbv	100
69) p-Isopropyltoluene	17.632	119	111746	0.348	ppbv	98
70) n-Butylbenzene	18.529	91	259100	0.779	ppbv	# 57
72) 4-Ethyltoluene	15.818	105	493395	1.802	ppbv	93
73) 1,3,5-Trimethylbenzene	15.976	105	427858	1.721	ppbv	98
74) 1,2,4-Trimethylbenzene	16.744	105	1255898	4.784	ppbv	# 68
79) Naphthalene	22.172	128	61455m	0.432	ppbv	
80) Naphthalene,2-methyl-	24.950	142	10126	0.364	ppbv	# 46

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

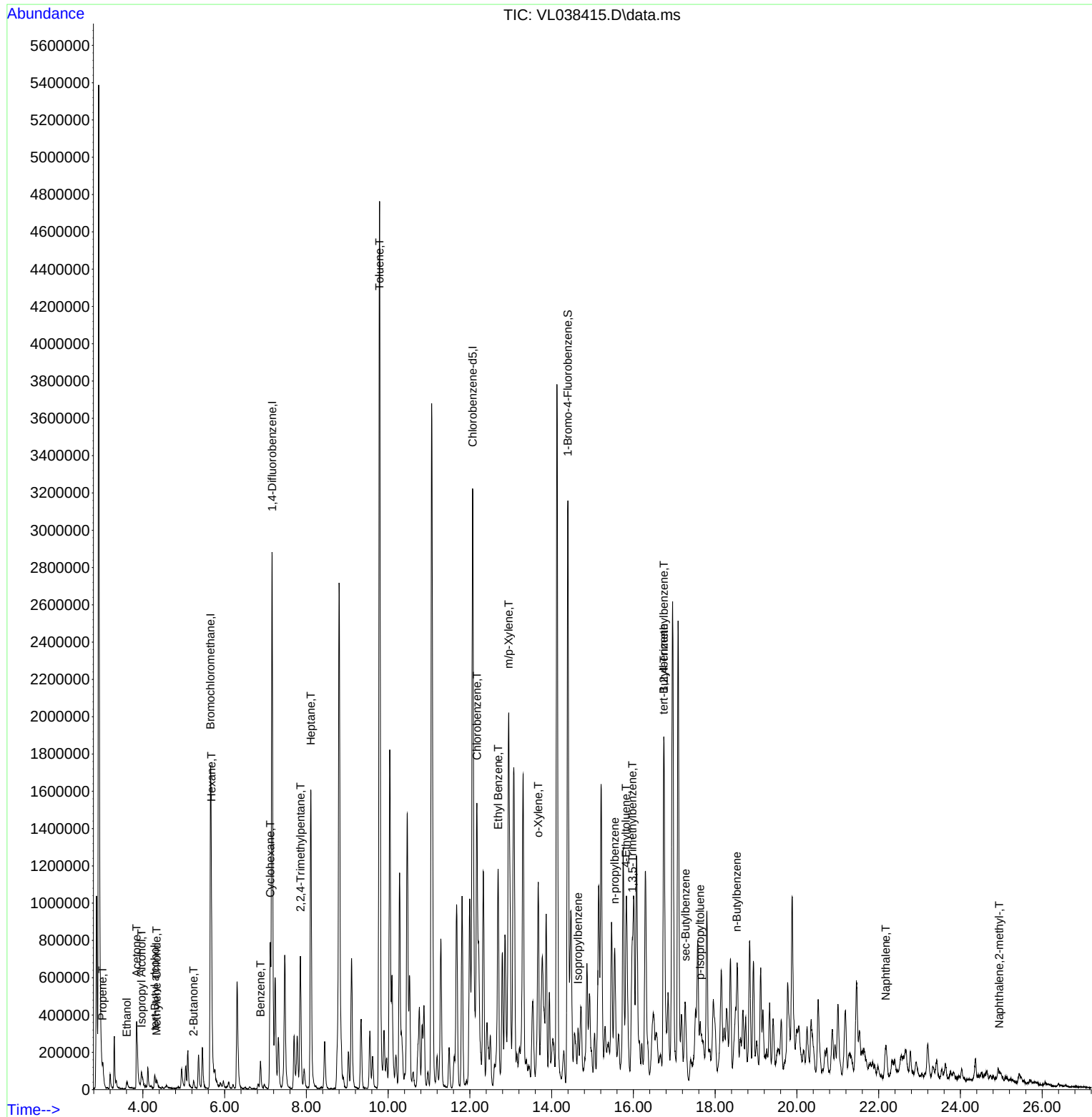
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
Data File : VL038415.D
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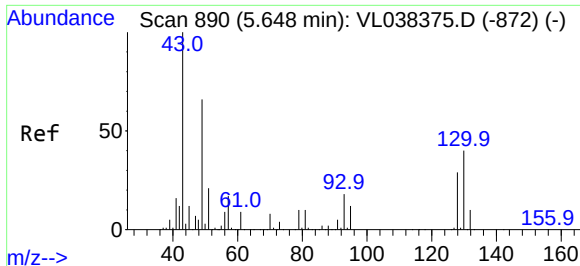
Instrument :
MSVOA_L
ClientSampleId :
MP-10

Quant Time: Feb 24 07:31:05 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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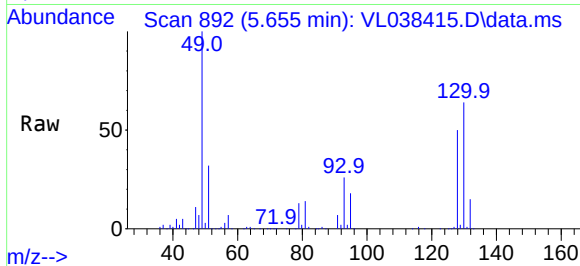
Reviewed By : Semsettin Yesilyurt 02/24/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 890
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

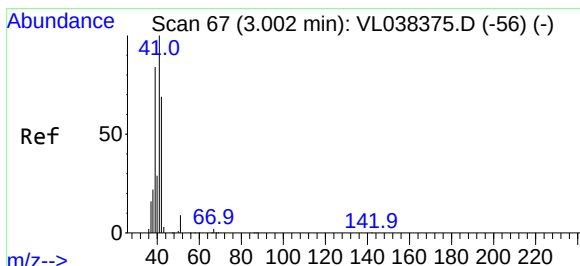
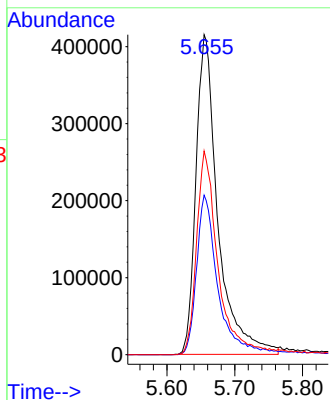
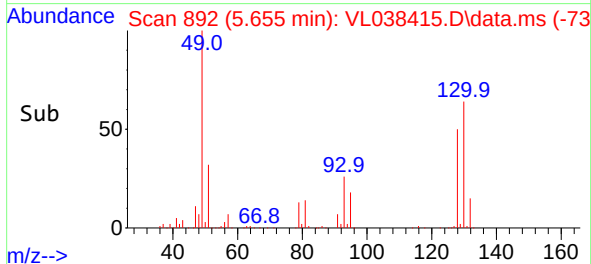
Instrument :
MSVOA_L
ClientSampleId :
MP-10



Tgt Ion: 49 Resp: 932544
Ion Ratio Lower Upper
49 100
128 50.1 24.3 72.9
130 63.3 30.1 90.5

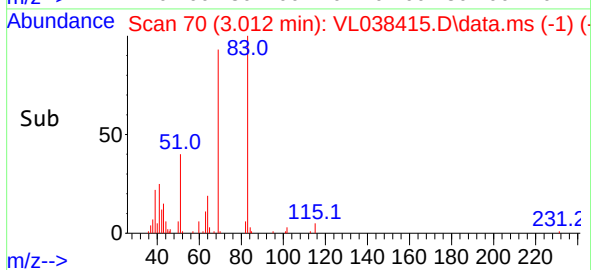
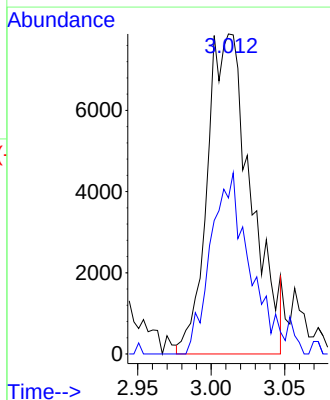
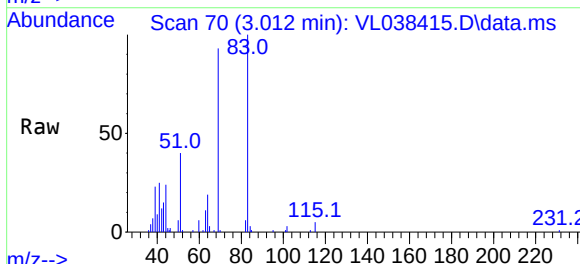
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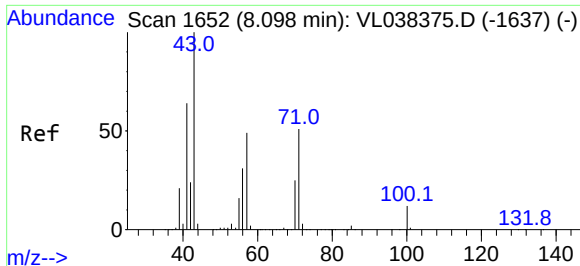
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Supervised By :Mahesh Dadoda 02/25/2022



#9
Propene
Concen: 0.299 ppbv m
RT: 3.012 min Scan# 70
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Tgt Ion: 41 Resp: 16273
Ion Ratio Lower Upper
41 100
42 29.7 54.6 82.0#





#10

Heptane

Concen: 6.361 ppbv

RT: 8.108 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL038415.D

Acq: 23 Feb 2022 19:43

Instrument :

MSVOA_L

ClientSampleId :

MP-10

Tgt Ion: 43 Resp: 84184

Ion Ratio Lower Upper

43 100

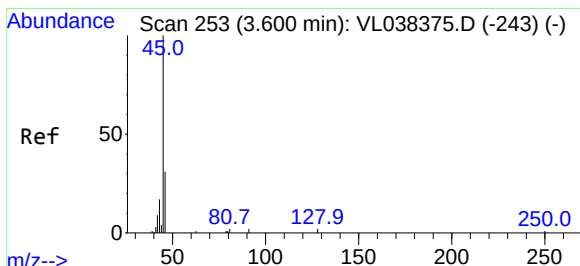
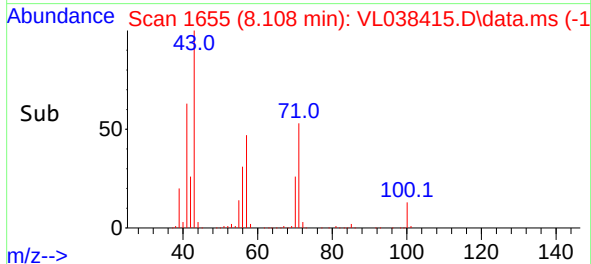
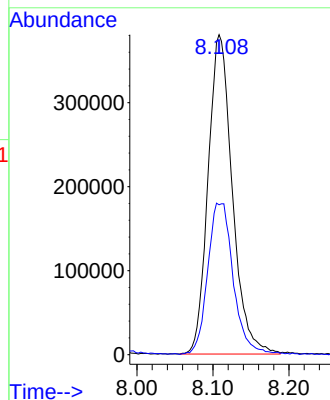
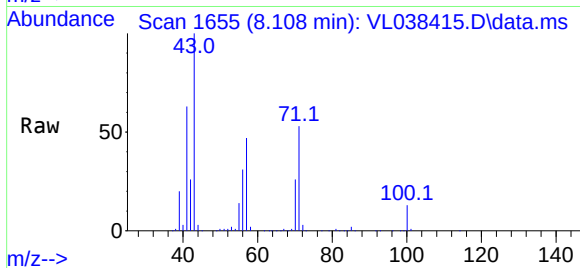
57 50.1 39.8 59.8

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#13

Ethanol

Concen: 11.389 ppbv m

RT: 3.610 min Scan# 256

Delta R.T. 0.010 min

Lab File: VL038415.D

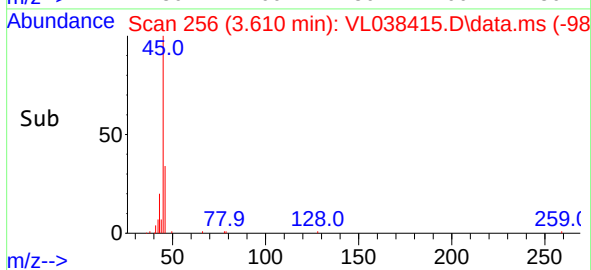
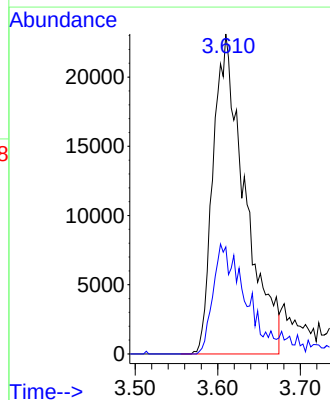
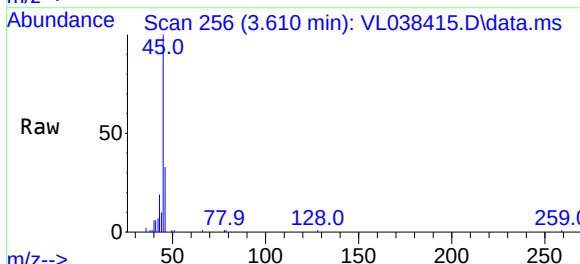
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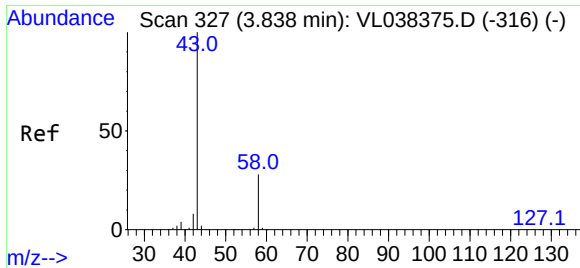
Tgt Ion: 45 Resp: 61797

Ion Ratio Lower Upper

45 100

46 38.3 18.2 72.8





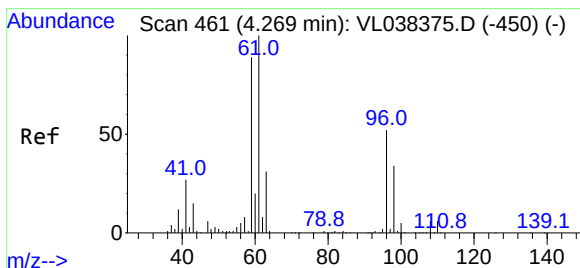
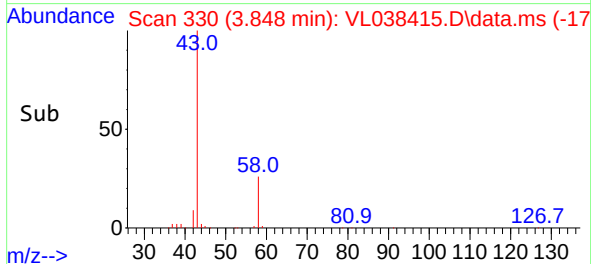
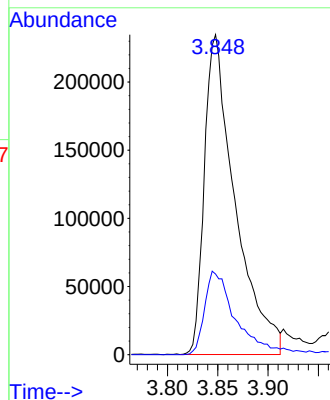
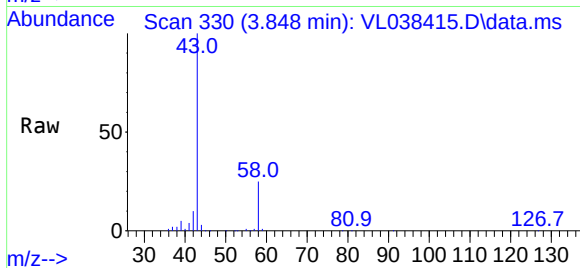
#15
Acetone
Concen: 6.281 ppbv
RT: 3.848 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
MP-10

Tgt Ion: 43 Resp: 498108
Ion Ratio Lower Upper
43 100
58 28.1 21.7 32.5

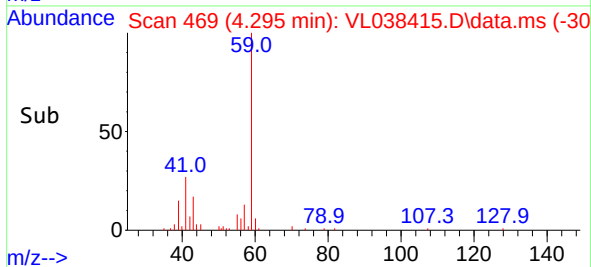
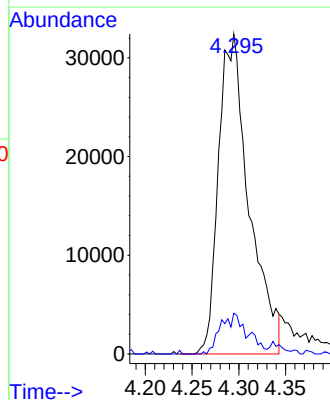
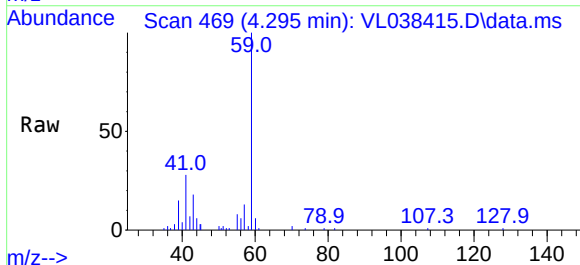
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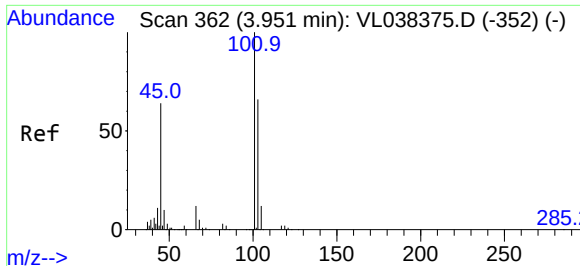
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#17
tert-Butyl alcohol
Concen: 0.929 ppbv m
RT: 4.295 min Scan# 469
Delta R.T. 0.026 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

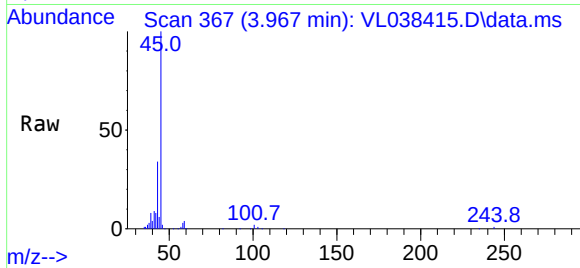
Tgt Ion: 59 Resp: 73537
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#





#19
Isopropyl Alcohol
Concen: 2.566 ppbv
RT: 3.967 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

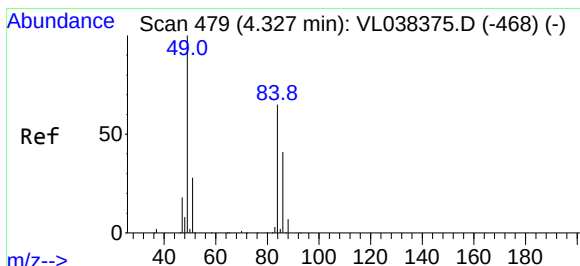
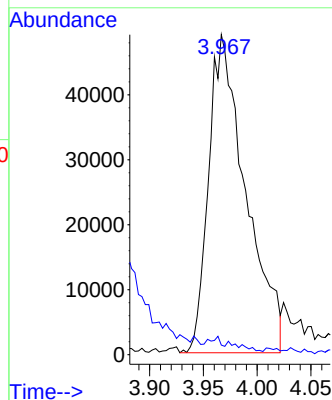
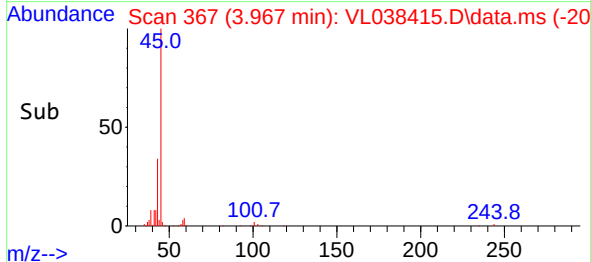
Instrument :
MSVOA_L
ClientSampleId :
MP-10



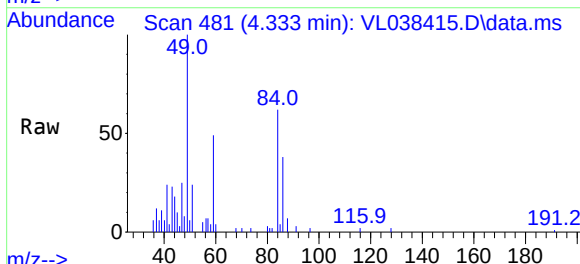
Tgt Ion: 45 Resp: 11785
Ion Ratio Lower Upper
45 100
58 119.6 1.8 2.8

Manual Integrations
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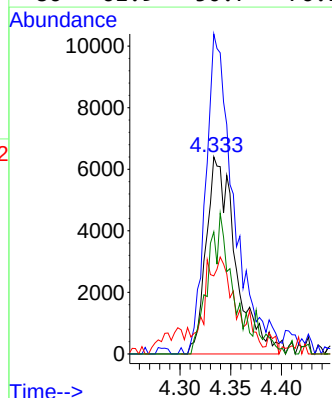
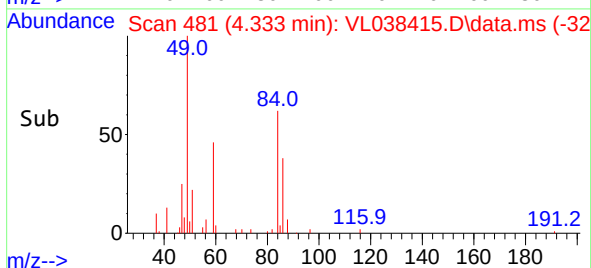
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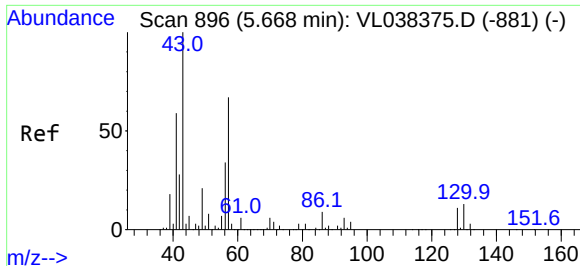


#20
Methylene Chloride
Concen: 0.329 ppbv m
RT: 4.333 min Scan# 481
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



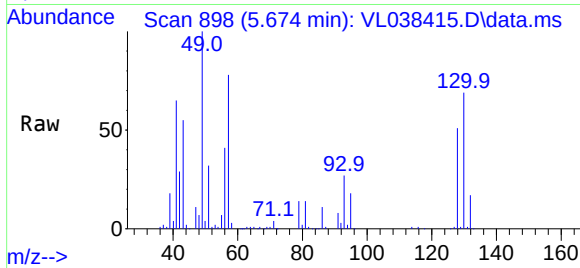
Tgt Ion: 84 Resp: 12930
Ion Ratio Lower Upper
84 100
49 162.4 122.4 183.6
51 39.6 33.3 49.9
86 61.9 50.7 76.1





#26
Hexane
Concen: 2.971 ppbv
RT: 5.674 min Scan# 896
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

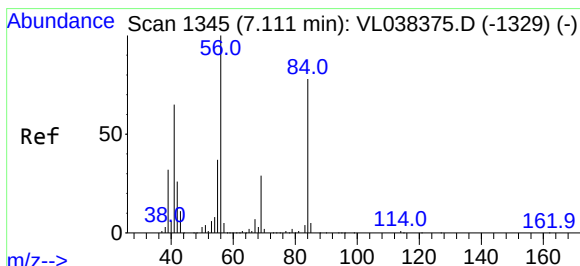
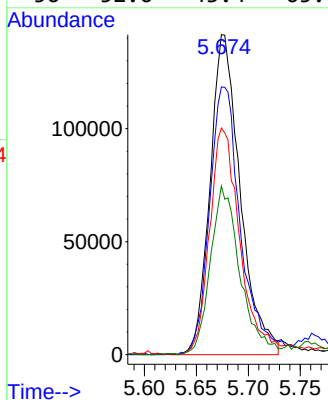
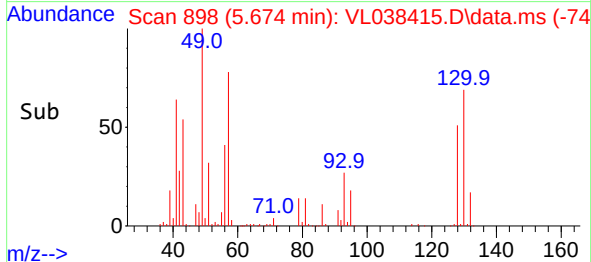
Instrument :
MSVOA_L
ClientSampleId :
MP-10



Tgt Ion: 57 Resp: 286640
Ion Ratio Lower Upper
57 100
41 86.8 73.1 109.7
43 75.2 181.0 271.4
56 52.6 43.4 65.0

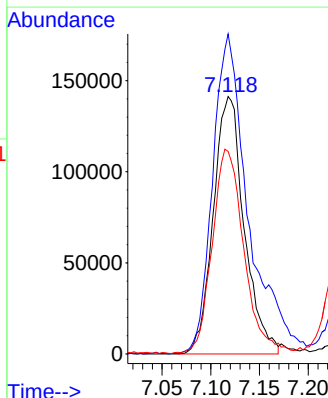
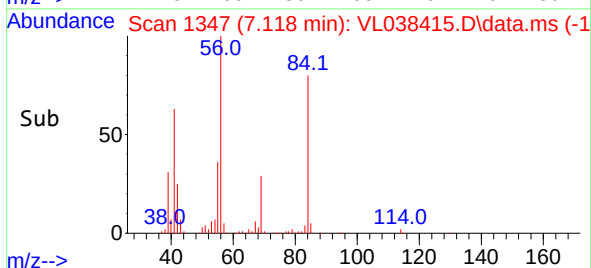
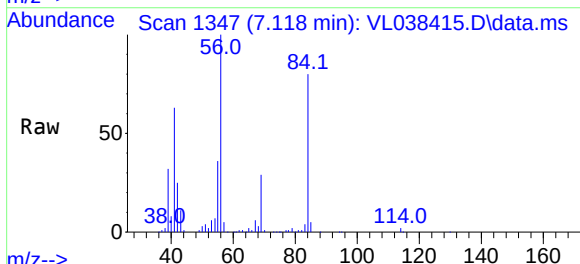
Manual Integrations
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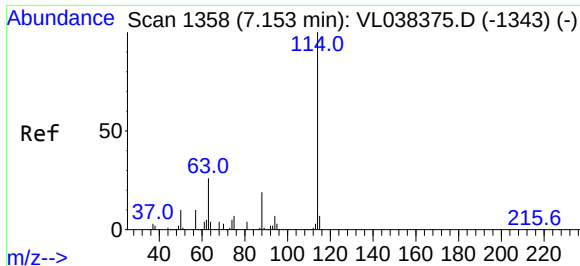
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#30
Cyclohexane
Concen: 3.945 ppbv
RT: 7.118 min Scan# 1347
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

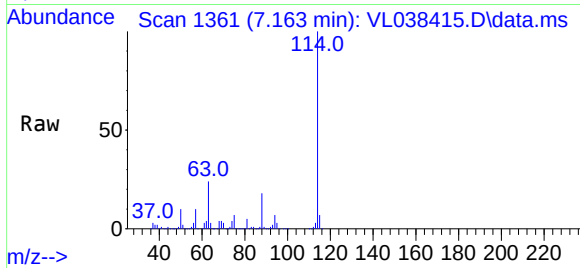
Tgt Ion: 84 Resp: 311336
Ion Ratio Lower Upper
84 100
56 144.3 116.2 174.4
41 80.4 74.3 111.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.163 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

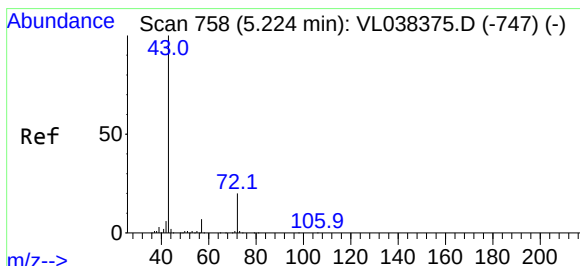
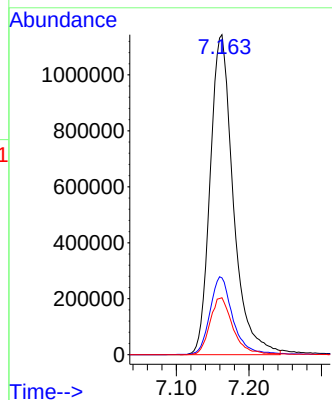
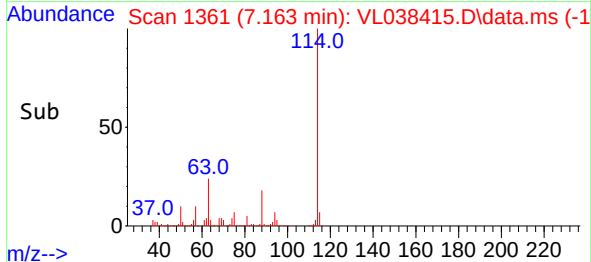
Instrument :
MSVOA_L
ClientSampleId :
MP-10



Tgt Ion:114 Resp: 2531519
Ion Ratio Lower Upper
114 100
63 24.4 22.2 33.2
88 18.1 15.2 22.8

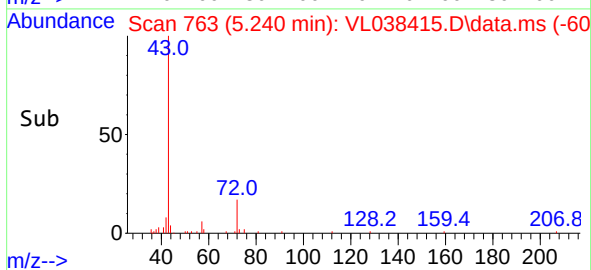
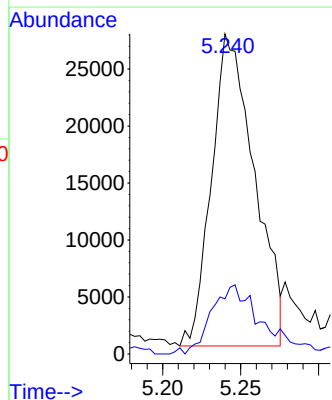
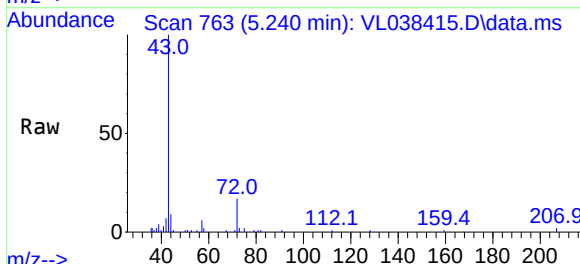
Manual Integrations
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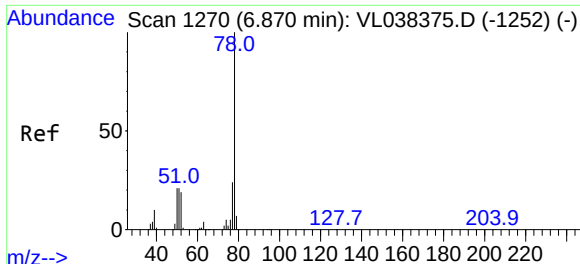
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#34
2-Butanone
Concen: 0.658 ppbv
RT: 5.240 min Scan# 763
Delta R.T. 0.016 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

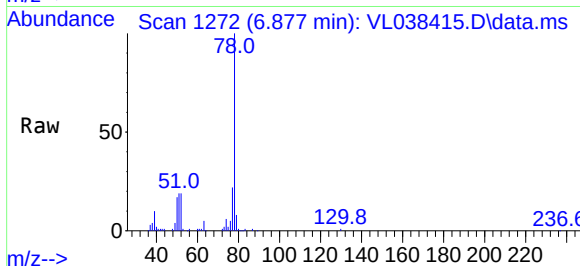
Tgt Ion: 43 Resp: 52413
Ion Ratio Lower Upper
43 100
72 25.8 17.4 26.2





#36
Benzene
Concen: 0.597 ppbv
RT: 6.877 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

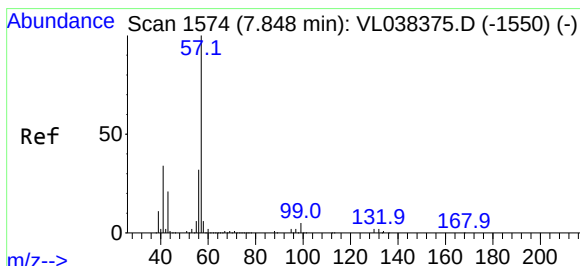
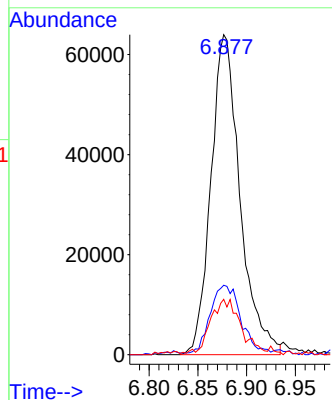
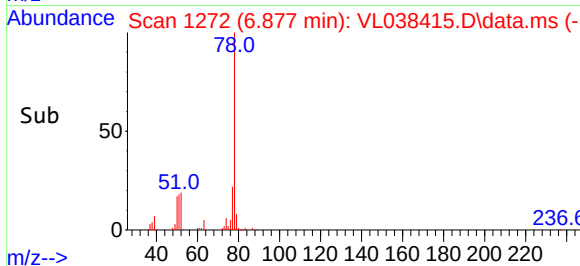
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MP-10



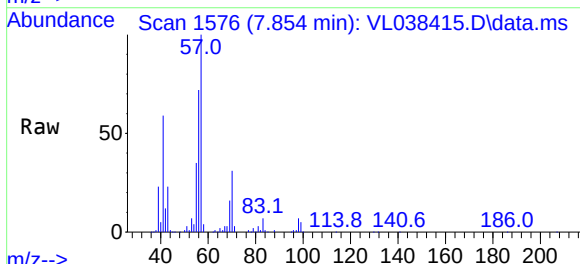
Tgt Ion: 78 Resp: 13294
Ion Ratio Lower Upper
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77 21.1 19.0 28.6
50 16.9 16.6 24.8

Manual Integrations
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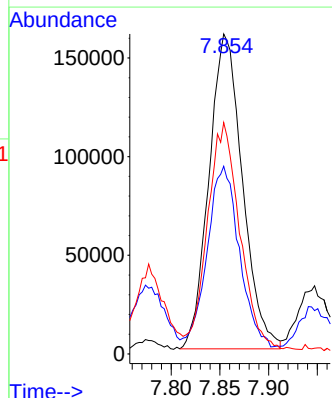
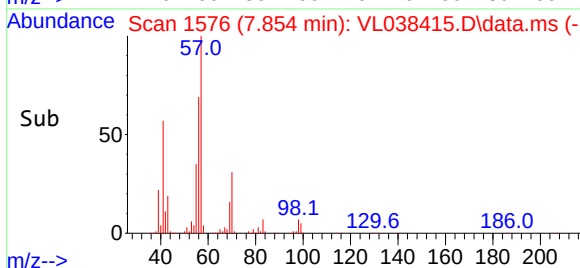
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

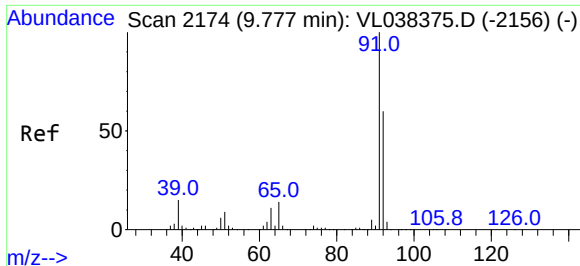


#44
2,2,4-Trimethylpentane
Concen: 0.996 ppbv
RT: 7.854 min Scan# 1576
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



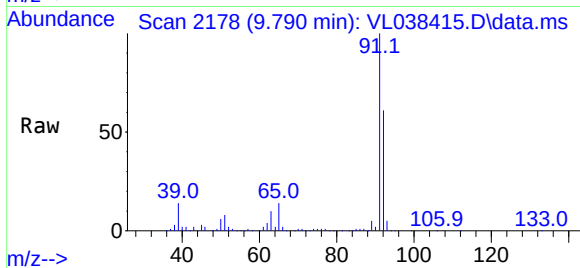
Tgt Ion: 57 Resp: 381575
Ion Ratio Lower Upper
57 100
41 58.1 26.6 39.8#
56 73.5 25.0 37.6#





#53
Toluene
Concen: 17.638 ppbv
RT: 9.790 min Scan# 2174
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

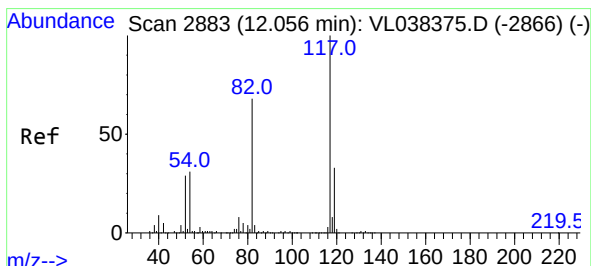
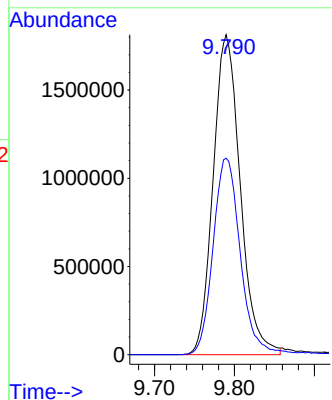
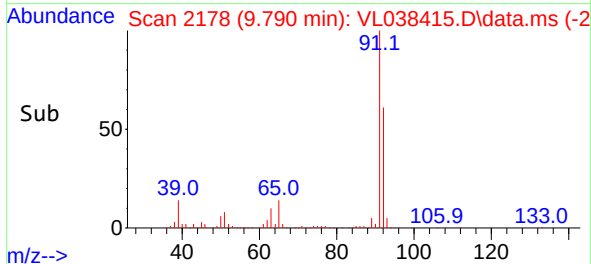
Instrument :
MSVOA_L
ClientSampleId :
MP-10



Tgt Ion: 91 Resp: 426793
Ion Ratio Lower Upper
91 100
92 62.1 48.2 72.4

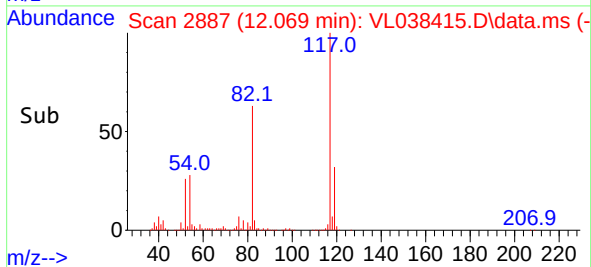
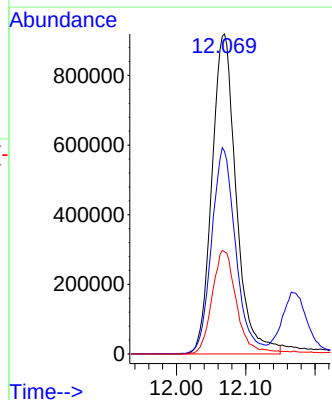
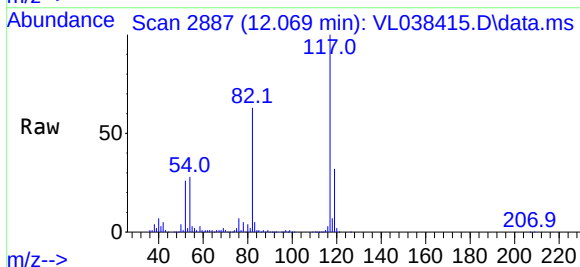
Manual Integrations
APPROVED

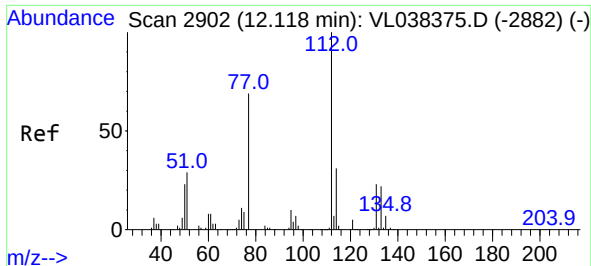
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2887
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Tgt Ion:117 Resp: 2238203
Ion Ratio Lower Upper
117 100
82 64.0 54.9 82.3
119 33.3 46.1 69.1#





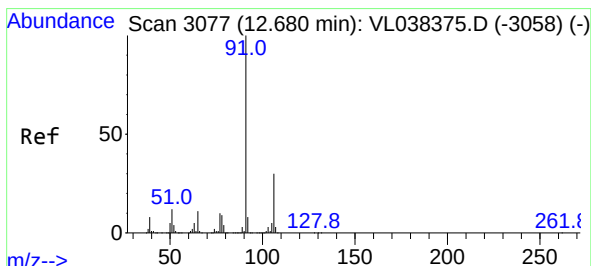
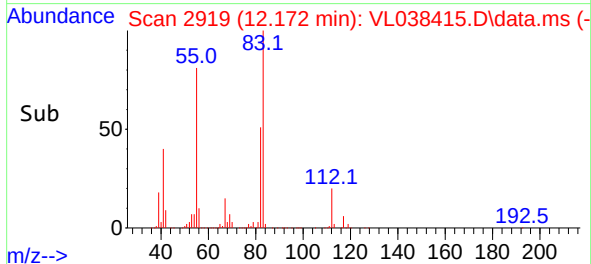
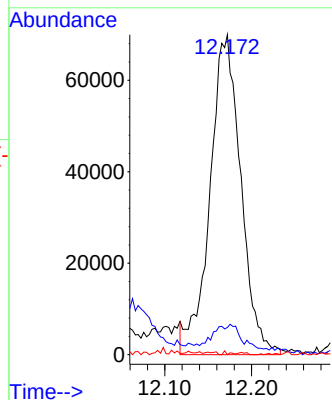
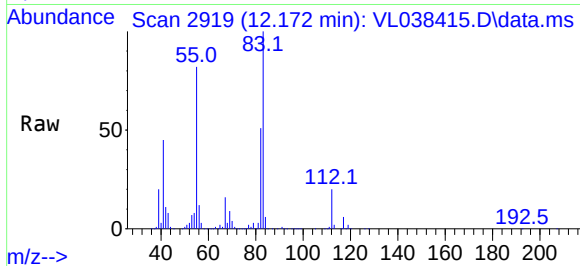
#57
Chlorobenzene
Concen: 1.002 ppbv m
RT: 12.172 min Scan# 2901
Delta R.T. 0.055 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
MP-10

Tgt Ion: 112 Resp: 17301
Ion Ratio Lower Upper
112 100
77 8.5 55.2 82.8
114 0.0 27.9 34.1

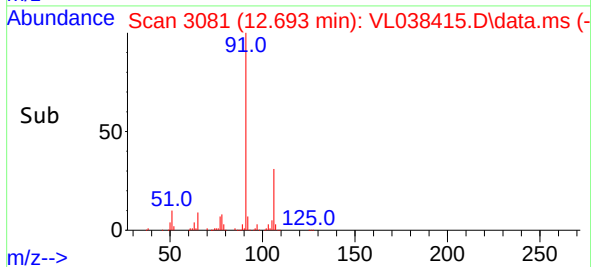
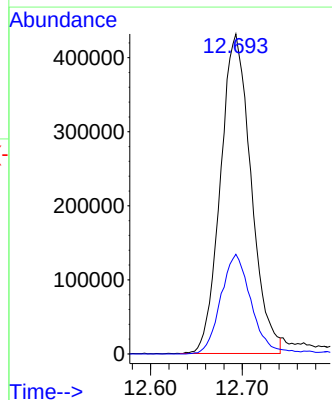
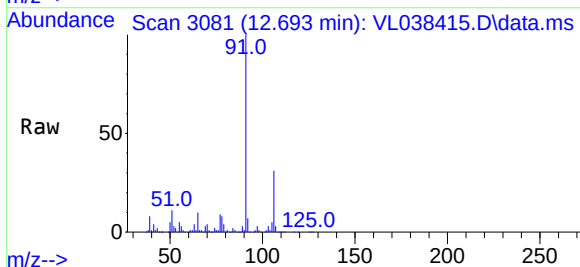
Manual Integrations
APPROVED

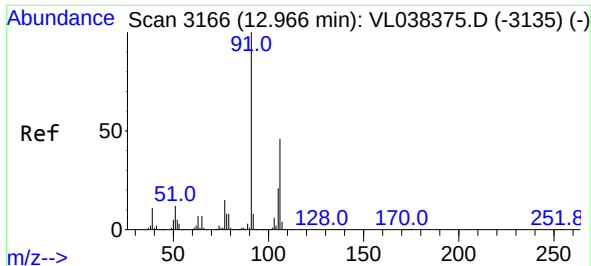
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#58
Ethyl Benzene
Concen: 3.264 ppbv
RT: 12.693 min Scan# 3081
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Tgt Ion: 91 Resp: 999127
Ion Ratio Lower Upper
91 100
106 31.2 24.0 36.0





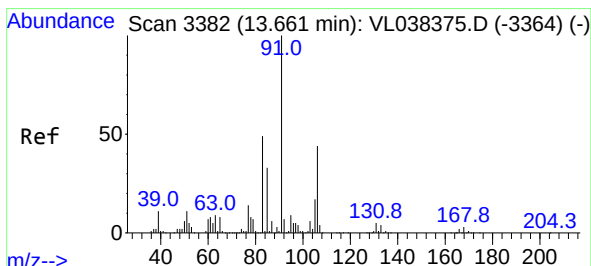
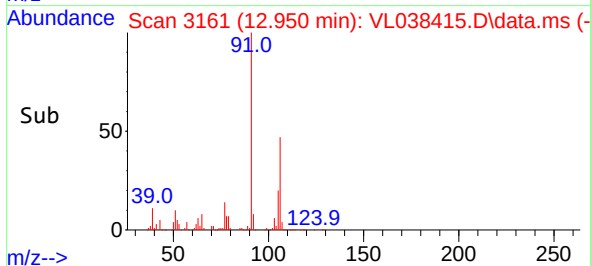
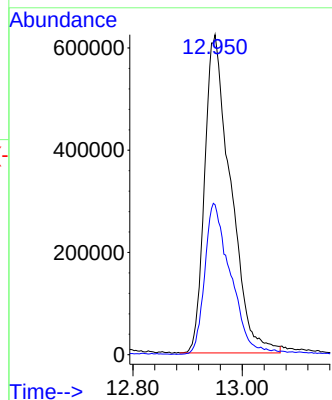
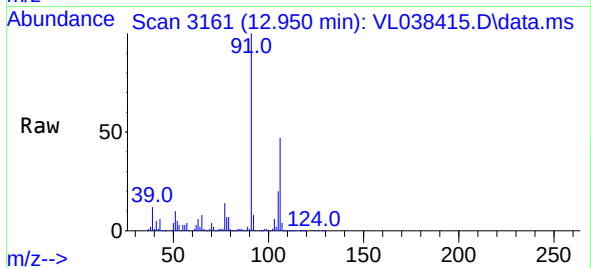
#59
m/p-Xylene
Concen: 7.812 ppbv
RT: 12.950 min Scan# 3161
Delta R.T. -0.016 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
MP-10

Tgt Ion: 91 Resp: 205334
Ion Ratio Lower Upper
91 100
106 48.9 34.4 51.6

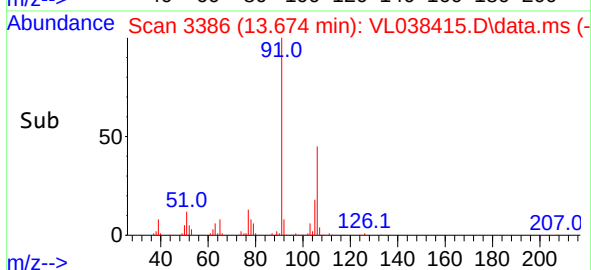
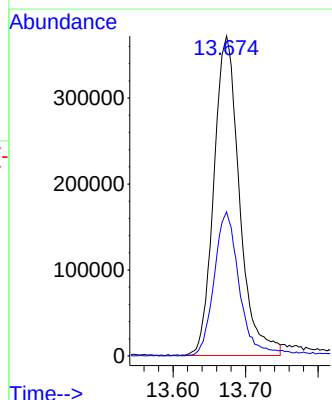
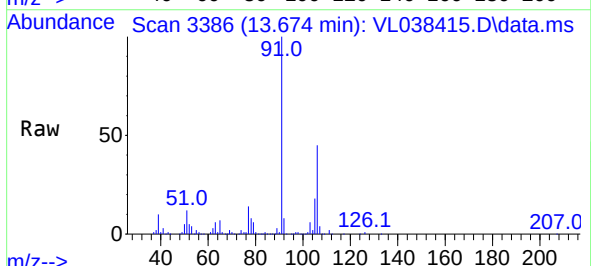
Manual Integrations
APPROVED

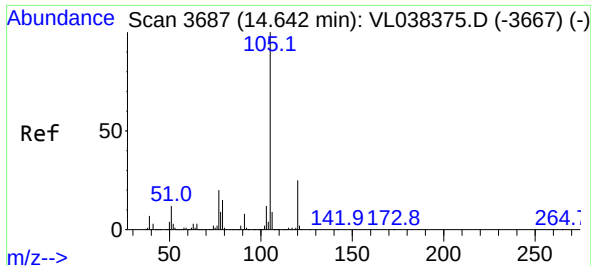
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#60
o-Xylene
Concen: 3.669 ppbv
RT: 13.674 min Scan# 3386
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

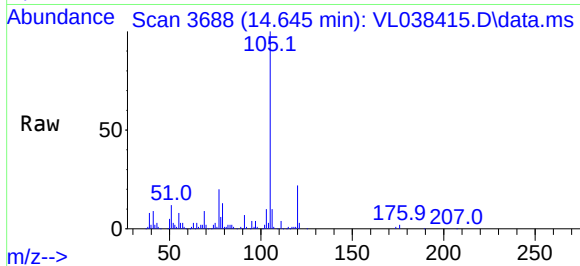
Tgt Ion: 91 Resp: 911760
Ion Ratio Lower Upper
91 100
106 45.0 21.9 65.5





#62
Isopropylbenzene
Concen: 0.717 ppbv
RT: 14.645 min Scan# 3687
Delta R.T. 0.003 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

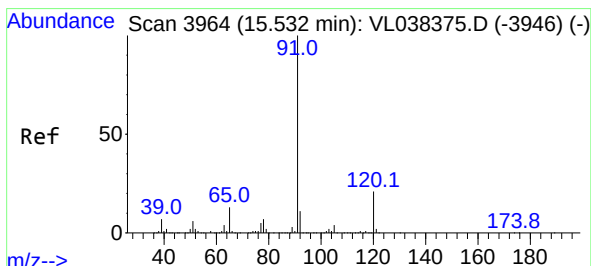
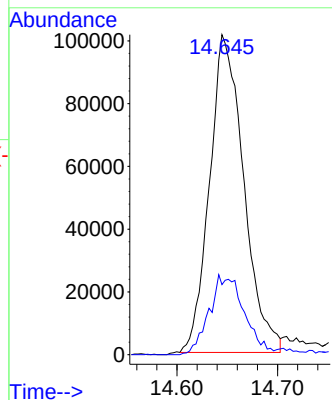
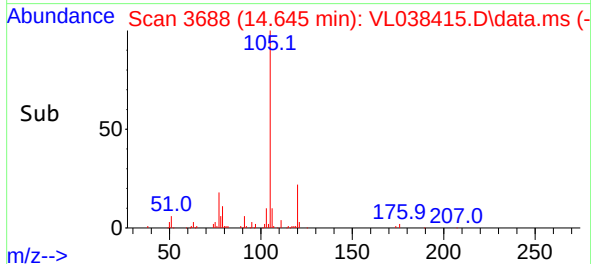
Instrument :
MSVOA_L
ClientSampleId :
MP-10



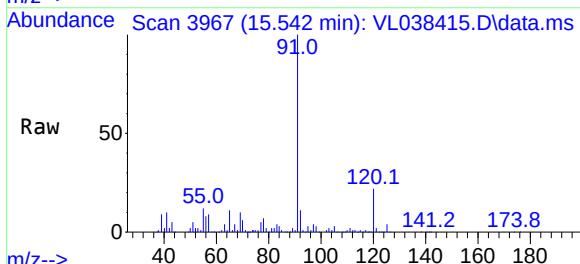
Tgt Ion:105 Resp: 23900
Ion Ratio Lower Upper
105 100
120 26.6 20.6 30.8

Manual Integrations
APPROVED

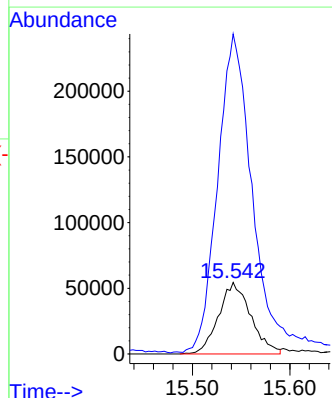
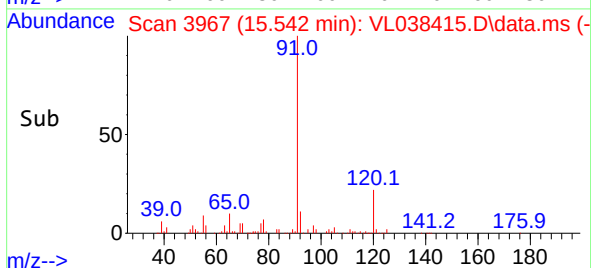
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

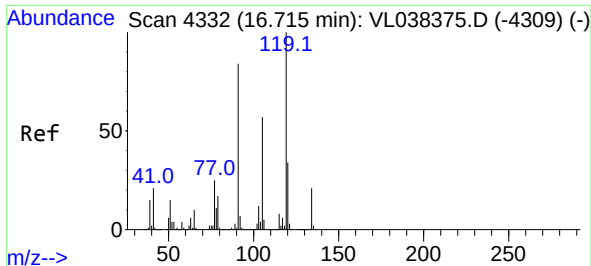


#64
n-propylbenzene
Concen: 1.510 ppbv
RT: 15.542 min Scan# 3967
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



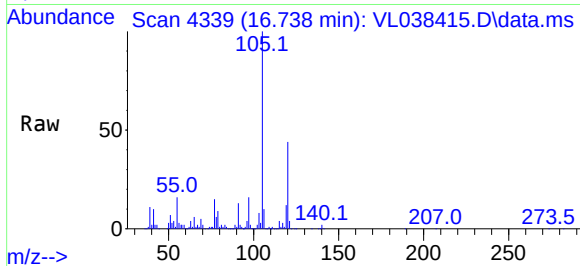
Tgt Ion:120 Resp: 124682
Ion Ratio Lower Upper
120 100
91 492.0 388.1 582.1





#65
tert-Butylbenzene
Concen: 0.466 ppbv
RT: 16.738 min Scan# 4339
Delta R.T. 0.022 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

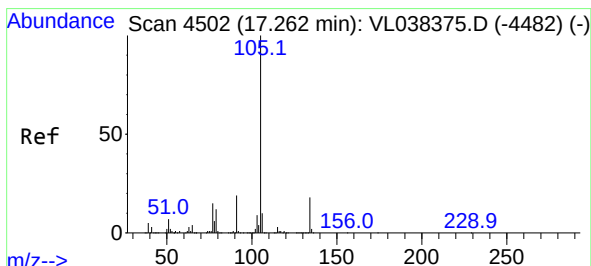
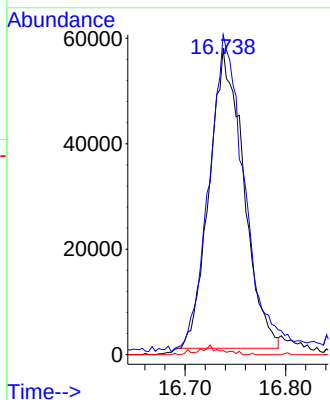
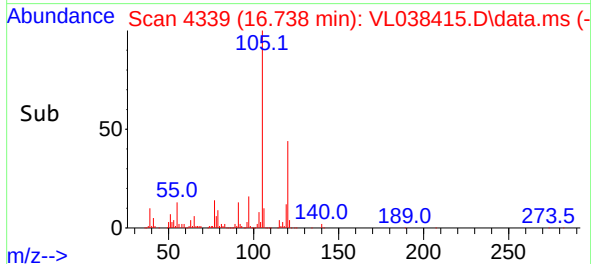
Instrument :
MSVOA_L
ClientSampleId :
MP-10



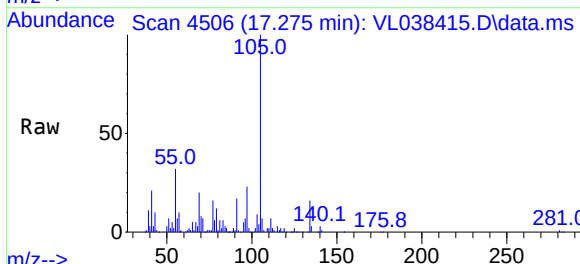
Tgt Ion:119 Resp: 13466
Ion Ratio Lower Upper
119 100
91 111.3 68.0 102.0
134 2.0 15.8 23.8

Manual Integrations
APPROVED

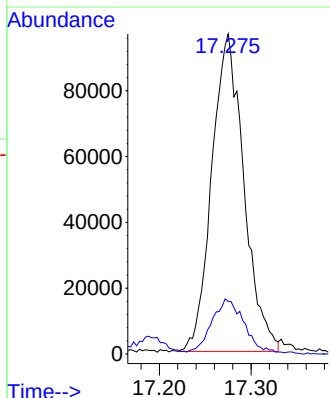
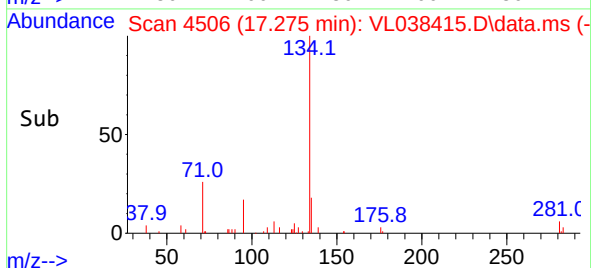
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

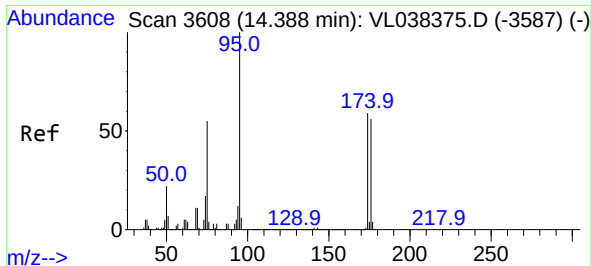


#67
sec-Butylbenzene
Concen: 0.573 ppbv
RT: 17.275 min Scan# 4506
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



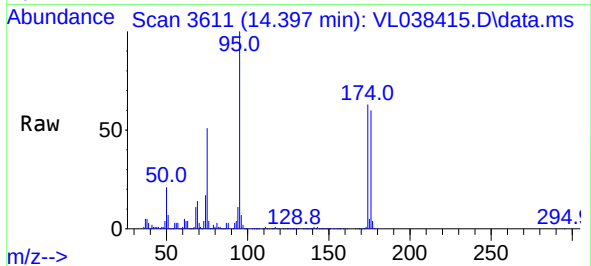
Tgt Ion:105 Resp: 234608
Ion Ratio Lower Upper
105 100
134 18.1 14.6 21.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.574 ppbv
RT: 14.397 min Scan# 3611
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

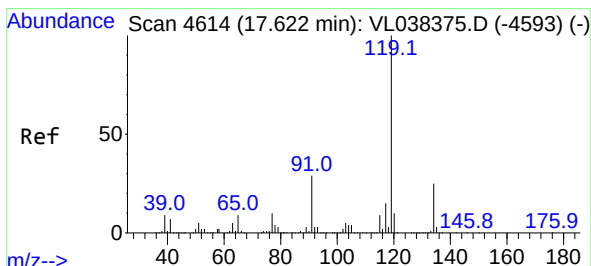
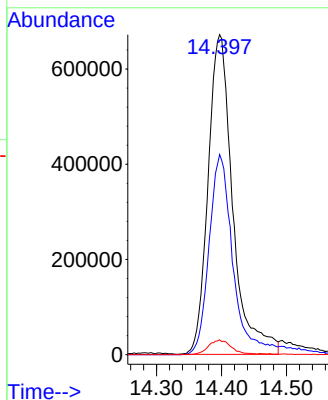
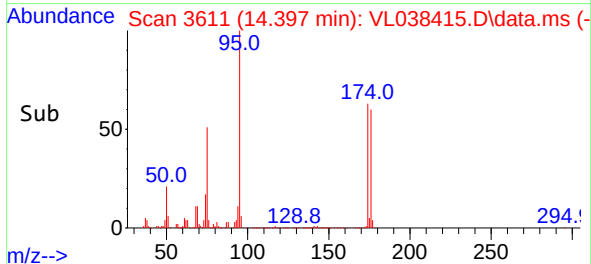
Instrument :
MSVOA_L
ClientSampleId :
MP-10



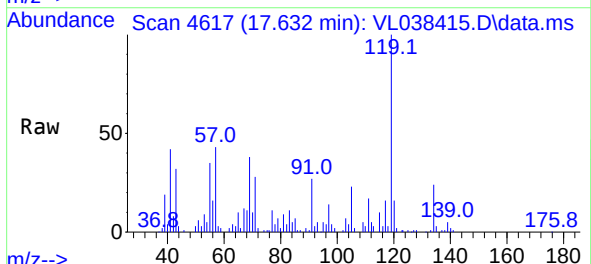
Tgt Ion: 95 Resp: 1772970
Ion Ratio Lower Upper
95 100
174 63.8 49.0 73.4
175 4.7 3.6 5.4

Manual Integrations
APPROVED

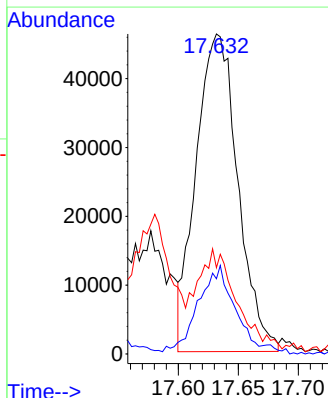
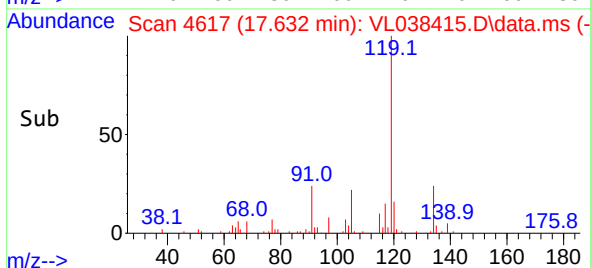
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

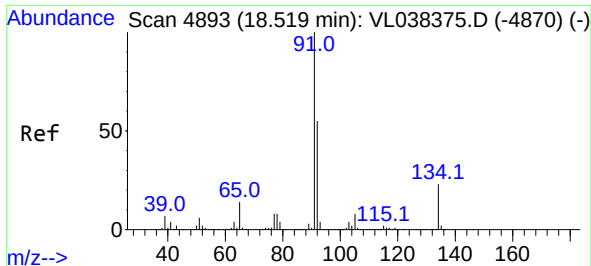


#69
p-Isopropyltoluene
Concen: 0.348 ppbv
RT: 17.632 min Scan# 4617
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



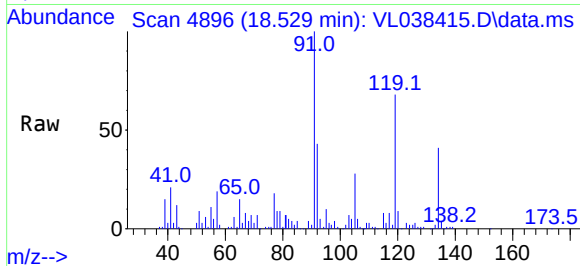
Tgt Ion:119 Resp: 111746
Ion Ratio Lower Upper
119 100
134 24.7 20.4 30.6
91 28.8 23.8 35.8





#70
n-Butylbenzene
Concen: 0.779 ppbv
RT: 18.529 min Scan# 4896
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

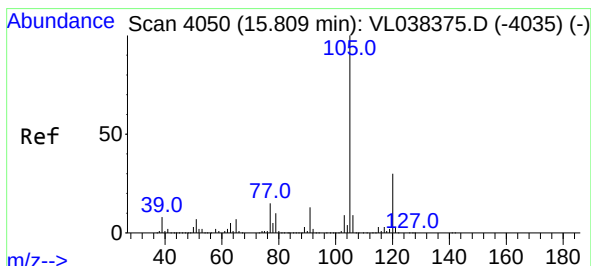
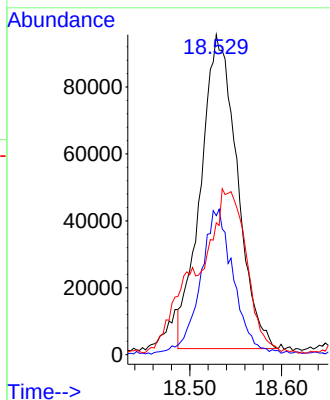
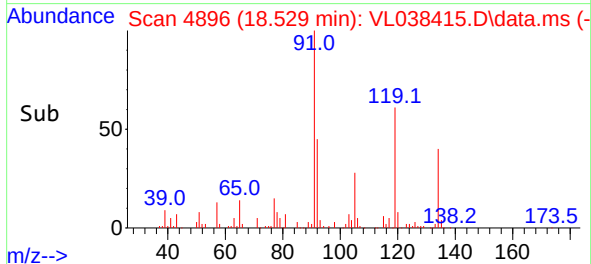
Instrument :
MSVOA_L
ClientSampleId :
MP-10



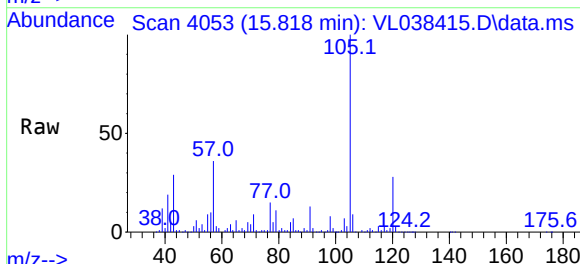
Tgt Ion: 91 Resp: 259100
Ion Ratio Lower Upper
91 100
92 42.2 43.1 64.7
134 73.1 17.4 26.0

Manual Integrations
APPROVED

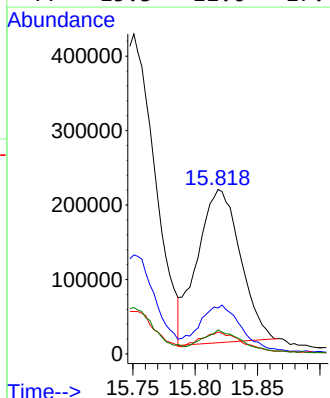
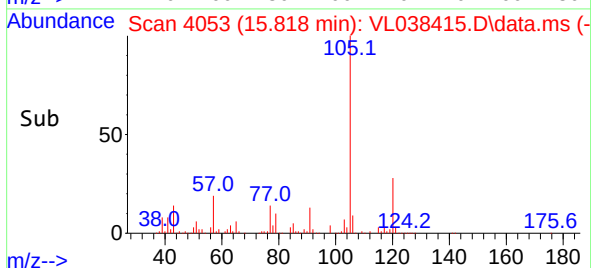
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

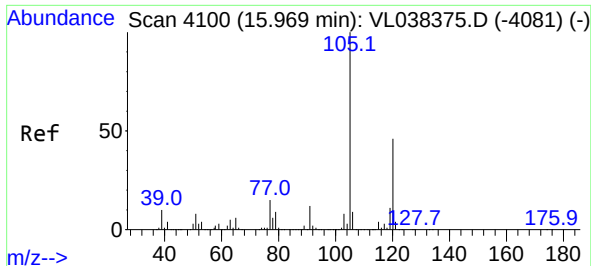


#72
4-Ethyltoluene
Concen: 1.802 ppbv
RT: 15.818 min Scan# 4053
Delta R.T. 0.010 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



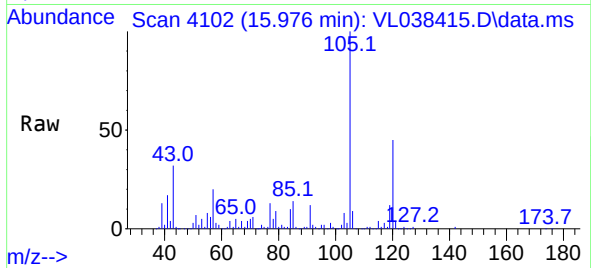
Tgt Ion:105 Resp: 493395
Ion Ratio Lower Upper
105 100
120 34.6 23.4 35.2
91 14.8 10.4 15.6
77 15.3 11.6 17.4





#73
1,3,5-Trimethylbenzene
Concen: 1.721 ppbv
RT: 15.976 min Scan# 4100
Delta R.T. 0.006 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

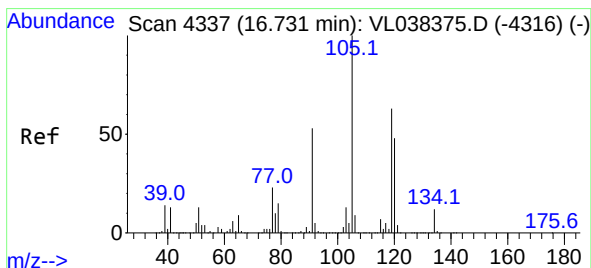
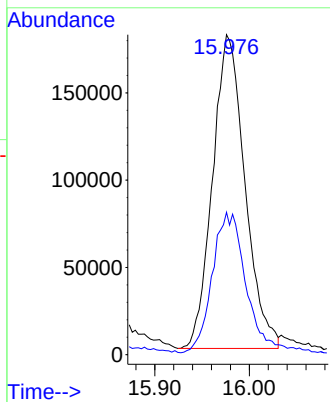
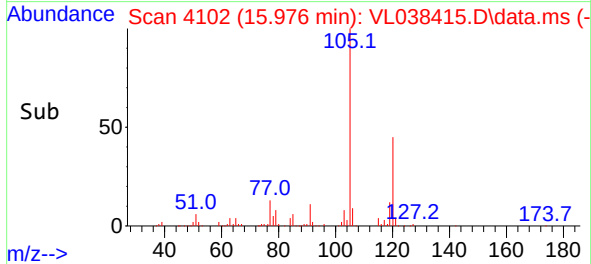
Instrument :
MSVOA_L
ClientSampleId :
MP-10



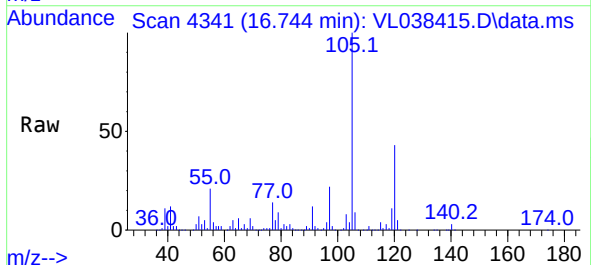
Tgt Ion:105 Resp: 42785
Ion Ratio Lower Upper
105 100
120 44.8 36.6 55.0

Manual Integrations
APPROVED

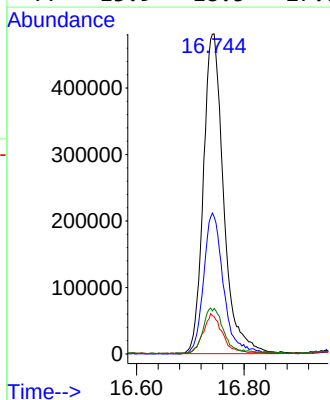
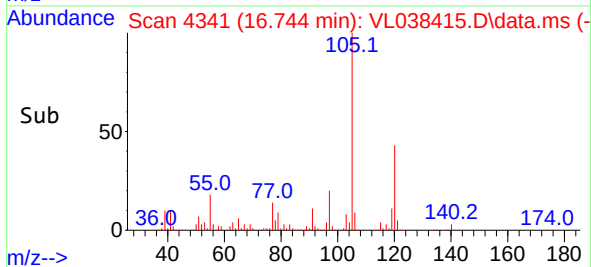
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

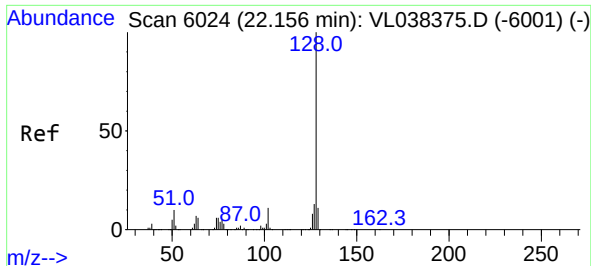


#74
1,2,4-Trimethylbenzene
Concen: 4.784 ppbv
RT: 16.744 min Scan# 4341
Delta R.T. 0.013 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



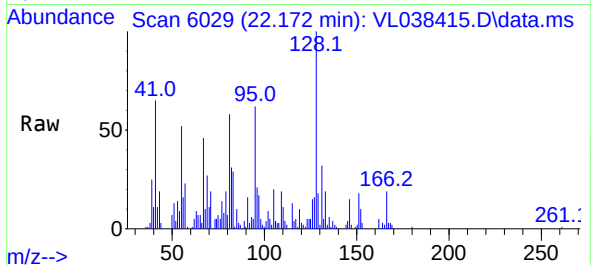
Tgt Ion:105 Resp: 1255898
Ion Ratio Lower Upper
105 100
120 42.9 38.2 57.4
91 11.4 42.7 64.1#
77 13.9 18.5 27.7#





#79
Naphthalene
Concen: 0.432 ppbv m
RT: 22.172 min Scan# 6024
Delta R.T. 0.016 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43

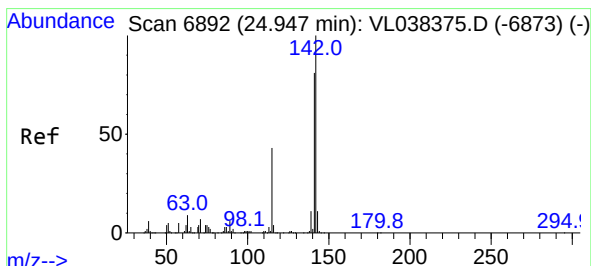
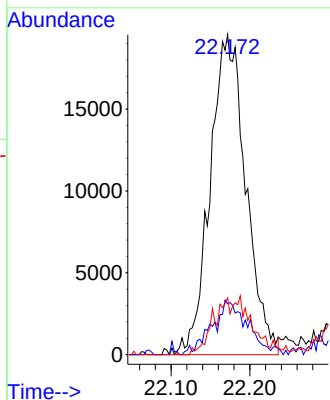
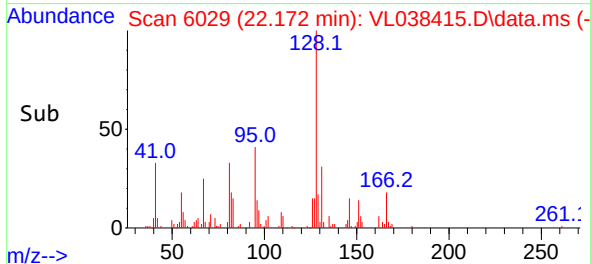
Instrument :
MSVOA_L
ClientSampleId :
MP-10



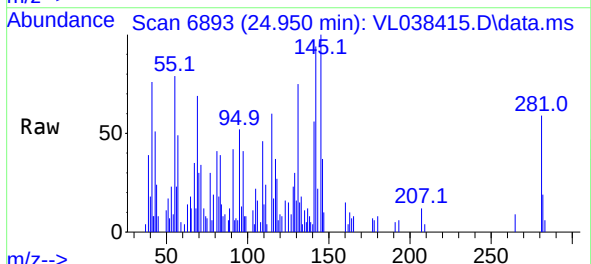
Tgt Ion:128 Resp: 6145
Ion Ratio Lower Upper
128 100
127 15.9 10.7 16.1
129 17.7 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#80
Naphthalene,2-methyl-
Concen: 0.364 ppbv
RT: 24.950 min Scan# 6893
Delta R.T. 0.003 min
Lab File: VL038415.D
Acq: 23 Feb 2022 19:43



Tgt Ion:142 Resp: 10126
Ion Ratio Lower Upper
142 100
141 95.2 69.8 104.6
115 135.3 33.0 49.6

