

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
 Data File : VL038393.D
 Acq On : 22 Feb 2022 17:42
 Operator : SY/AP
 Sample : N1607-05 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-11

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 23 07:06:09 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 23 07:06:09 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	5.671	49	960987	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.176	114	2282956	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.082	117	2125050	10.000	ppbv	# 0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1819404	10.348	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.500%
Target Compounds						Qvalue
9) Propene	3.018	41	135736	2.423	ppbv	98
10) Heptane	8.127	43	181114	1.328	ppbv	96
13) Ethanol	3.613	45	101229	18.104	ppbv	96
15) Acetone	3.861	43	119752m	1.465	ppbv	
17) tert-Butyl alcohol	4.301	59	215946	2.649	ppbv	98
20) Methylene Chloride	4.349	84	76148	1.881	ppbv	97
26) Hexane	5.697	57	275501	2.771	ppbv	# 42
30) Cyclohexane	7.134	84	194783	2.395	ppbv	91
36) Benzene	6.896	78	38999	0.194	ppbv	# 86
44) 2,2,4-Trimethylpentane	7.873	57	1302628	3.771	ppbv	# 86
53) Toluene	9.803	91	2361333	10.821	ppbv	99
58) Ethyl Benzene	12.706	91	342091	1.177	ppbv	93
59) m/p-Xylene	12.960	91	264575m	1.060	ppbv	
60) o-Xylene	13.687	91	484980	2.056	ppbv	98
61) Styrene	13.523	104	135856	1.249	ppbv	97
62) Isopropylbenzene	14.658	105	95011	0.300	ppbv	100
64) n-propylbenzene	15.555	120	34237	0.437	ppbv	94
67) sec-Butylbenzene	17.285	105	72912m	0.188	ppbv	
69) p-Isopropyltoluene	17.648	119	67490m	0.221	ppbv	
72) 4-Ethyltoluene	15.838	105	223550	0.860	ppbv	# 96
73) 1,3,5-Trimethylbenzene	15.992	105	291720	1.236	ppbv	97
74) 1,2,4-Trimethylbenzene	16.761	105	199437m	0.800	ppbv	

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

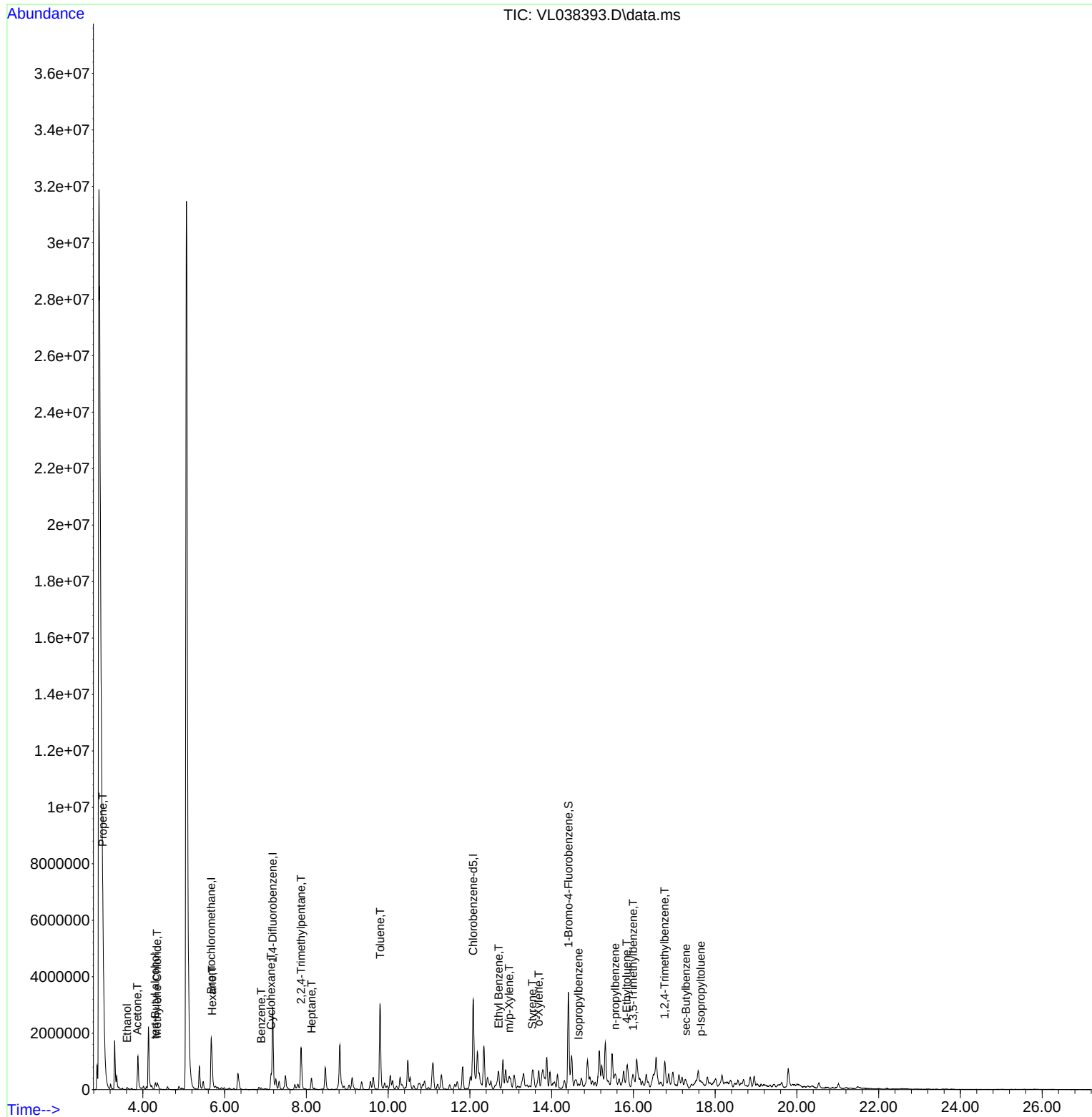
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022222\
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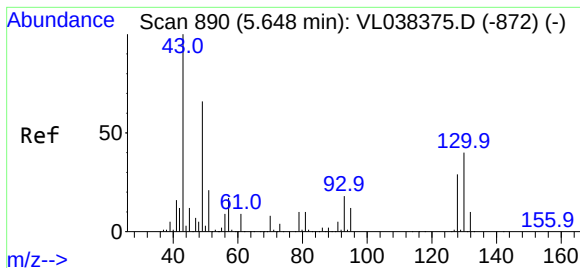
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Feb 23 07:06:09 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
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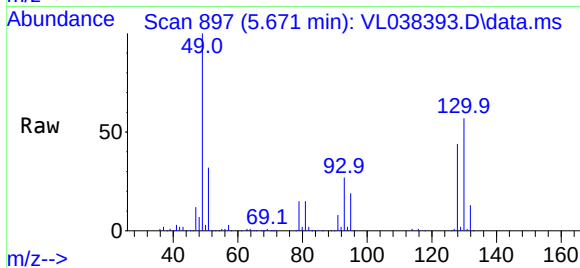
Reviewed By : Semsettin Yesilyurt 02/23/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 890
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

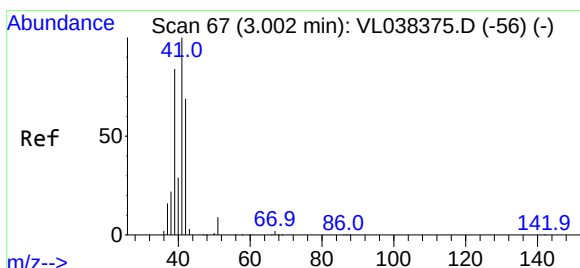
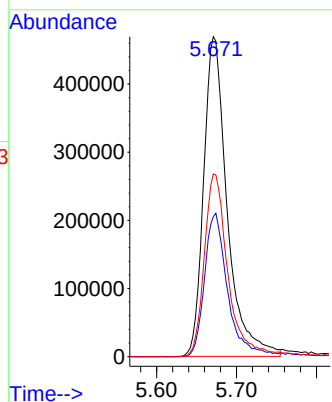
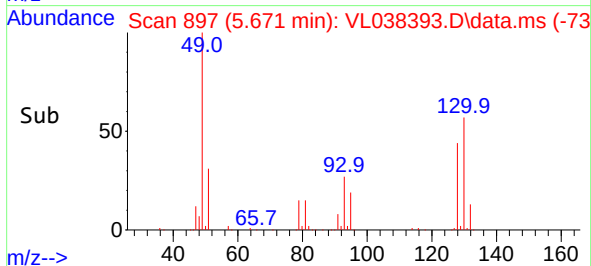
Instrument :
MSVOA_L
ClientSampleId :
MP-11



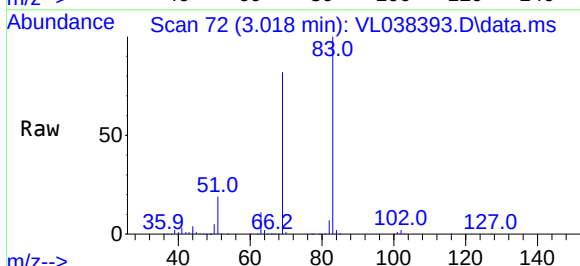
Tgt Ion: 49 Resp: 96098
Ion Ratio Lower Upper
49 100
128 45.4 24.3 72.9
130 58.9 30.1 90.5

Manual Integrations
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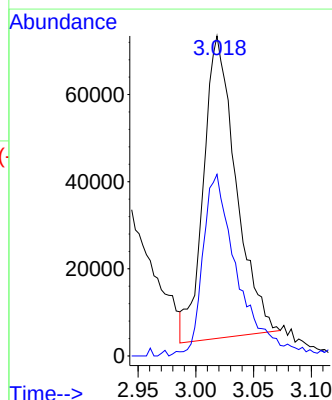
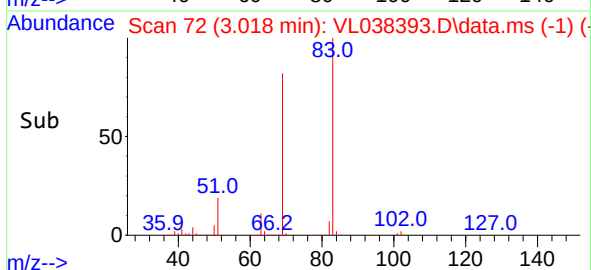
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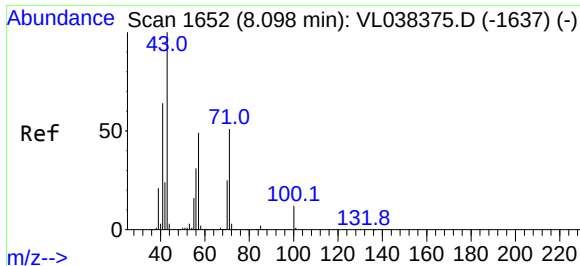


#9
Propene
Concen: 2.423 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.016 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42



Tgt Ion: 41 Resp: 135736
Ion Ratio Lower Upper
41 100
42 66.5 54.6 82.0





#10

Heptane

Concen: 1.328 ppbv

RT: 8.127 min Scan# 1

Delta R.T. 0.029 min

Lab File: VL038393.D

Acq: 22 Feb 2022 17:42

Instrument :

MSVOA_L

ClientSampleId :

MP-11

Tgt Ion: 43 Resp: 181114

Ion Ratio Lower Upper

43 100

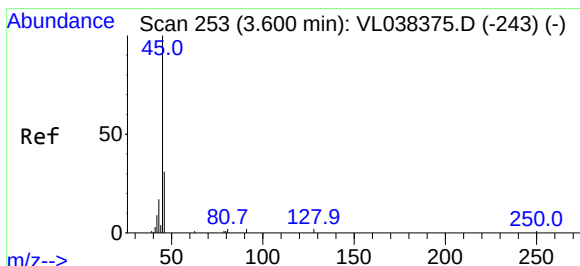
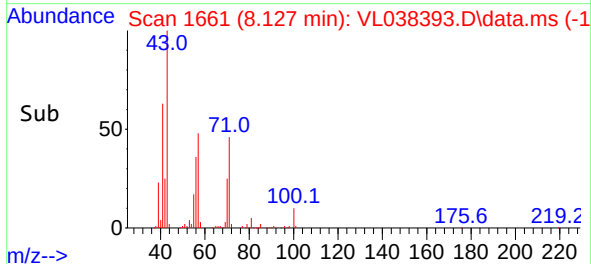
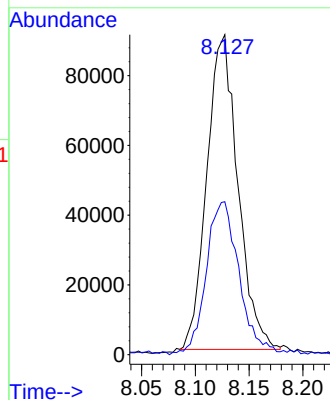
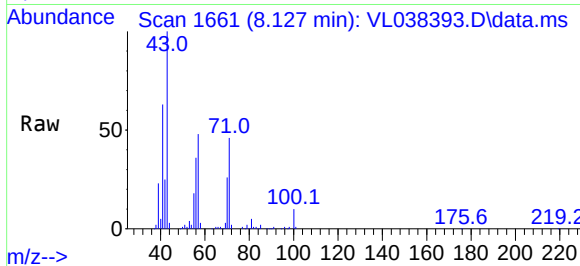
57 52.6 39.8 59.8

Manual Integrations

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#13

Ethanol

Concen: 18.104 ppbv

RT: 3.613 min Scan# 257

Delta R.T. 0.013 min

Lab File: VL038393.D

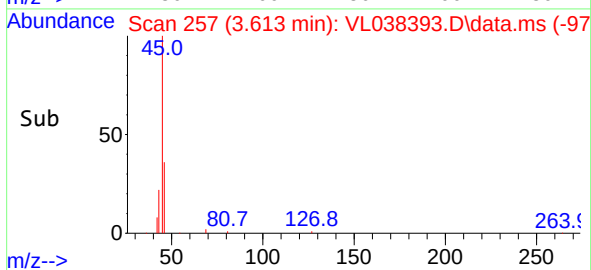
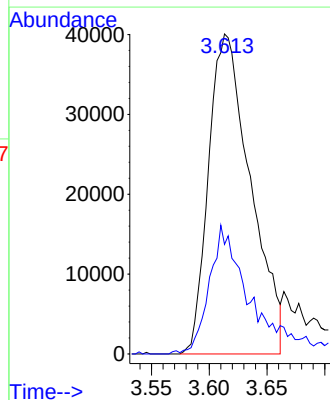
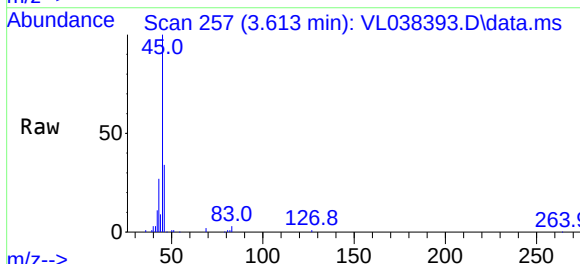
Acq: 22 Feb 2022 17:42

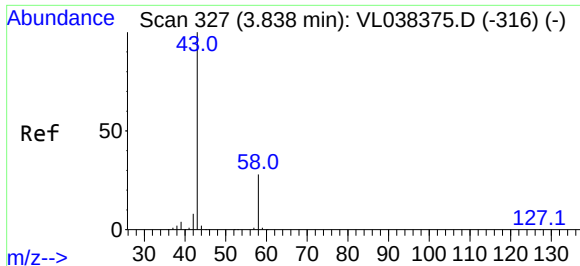
Tgt Ion: 45 Resp: 101229

Ion Ratio Lower Upper

45 100

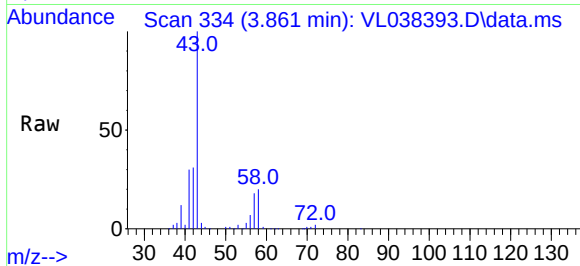
46 42.6 18.2 72.8





#15
Acetone
Concen: 1.465 ppbv m
RT: 3.861 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

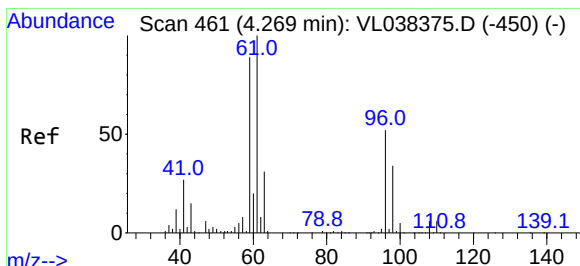
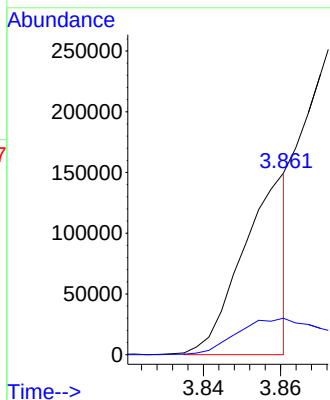
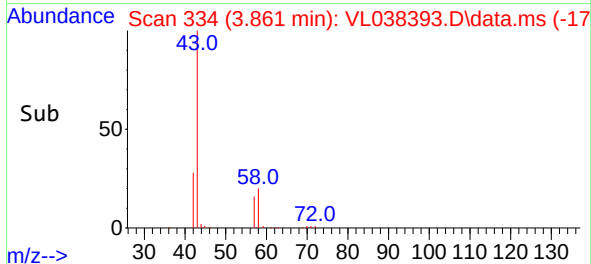
Instrument :
MSVOA_L
ClientSampleId :
MP-11



Tgt Ion: 43 Resp: 119752
Ion Ratio Lower Upper
43 100
58 58.2 21.7 32.5

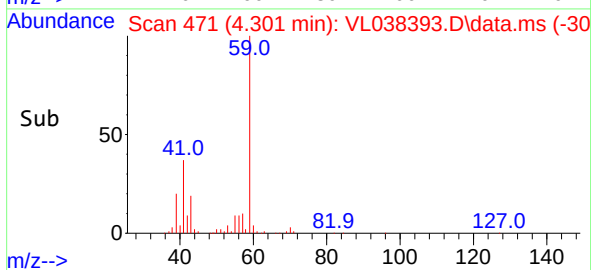
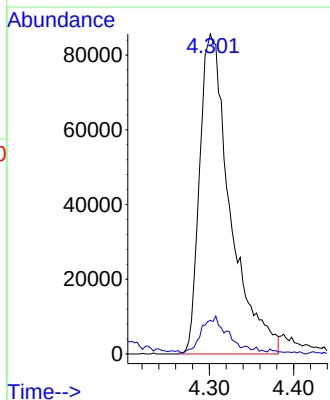
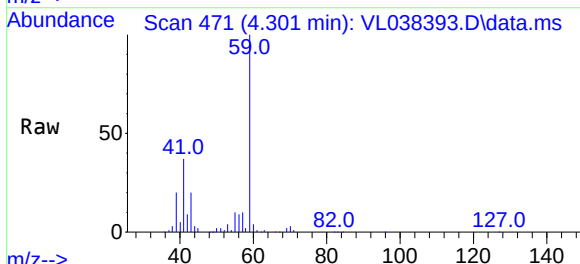
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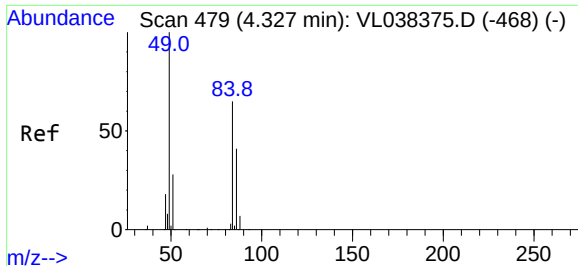
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#17
tert-Butyl alcohol
Concen: 2.649 ppbv
RT: 4.301 min Scan# 471
Delta R.T. 0.032 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

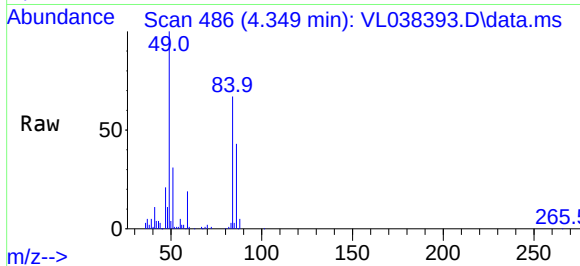
Tgt Ion: 59 Resp: 215946
Ion Ratio Lower Upper
59 100
57 11.1 8.4 12.6





#20
Methylene Chloride
Concen: 1.881 ppbv
RT: 4.349 min Scan# 41
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

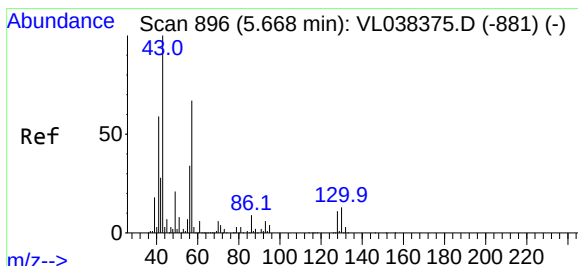
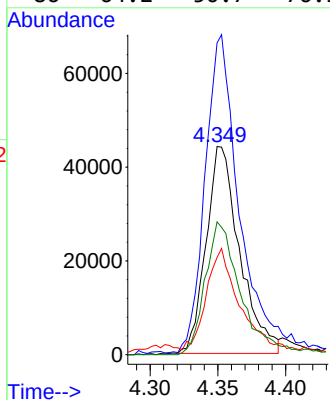
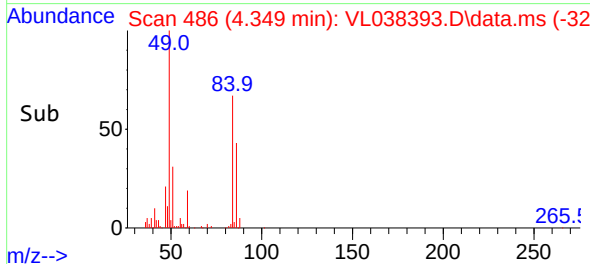
Instrument :
MSVOA_L
ClientSampleId :
MP-11



Tgt Ion: 84 Resp: 76144
Ion Ratio Lower Upper
84 100
49 149.7 122.4 183.6
51 45.0 33.3 49.9
86 64.2 50.7 76.1

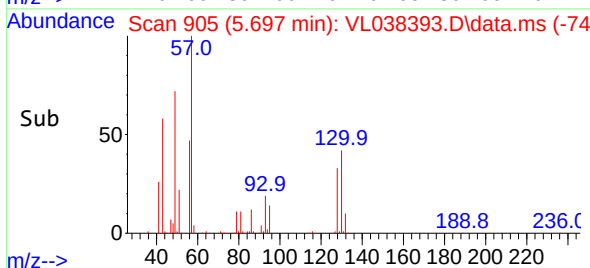
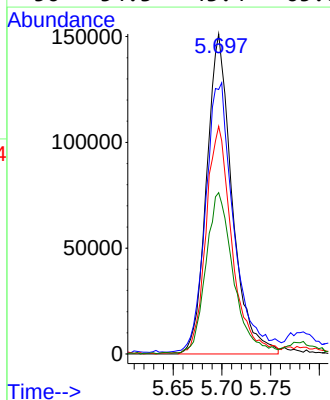
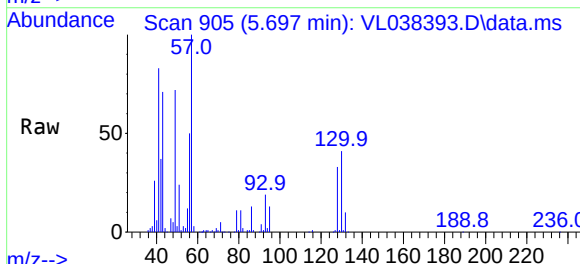
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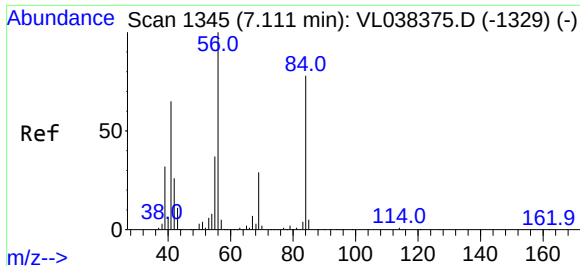
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#26
Hexane
Concen: 2.771 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.029 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

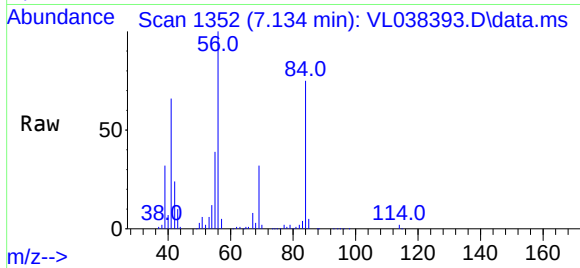
Tgt Ion: 57 Resp: 275501
Ion Ratio Lower Upper
57 100
41 93.2 73.1 109.7
43 72.8 181.0 271.4#
56 54.3 43.4 65.0





#30
Cyclohexane
Concen: 2.395 ppbv
RT: 7.134 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

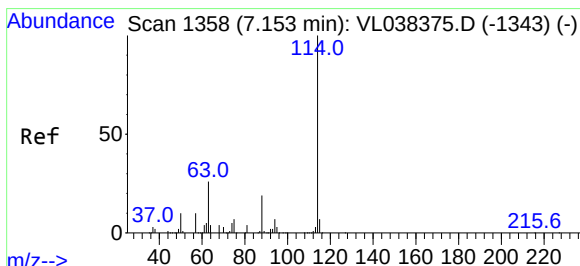
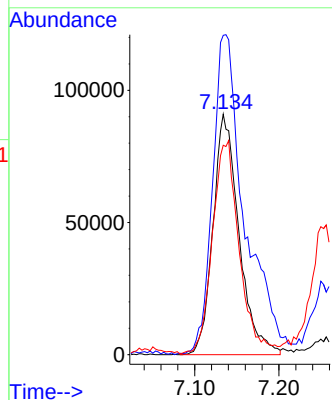
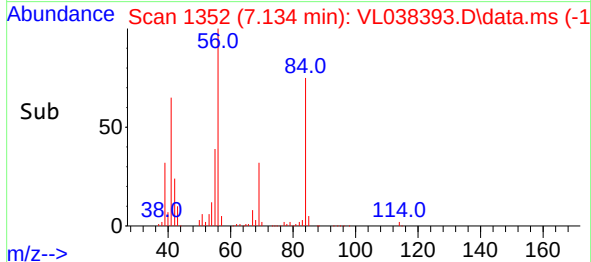
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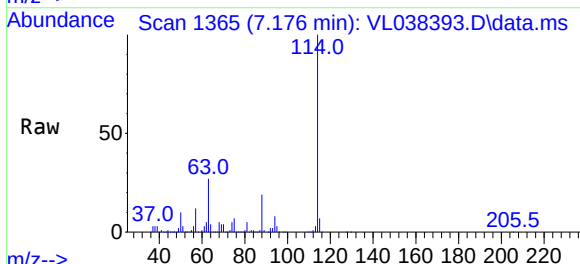
Tgt Ion: 84 Resp: 19478
Ion Ratio Lower Upper
84 100
56 162.6 116.2 174.4
41 91.3 74.3 111.5

Manual Integrations
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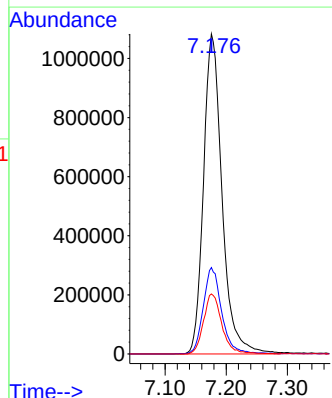
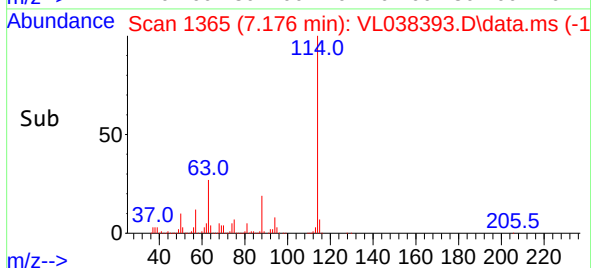
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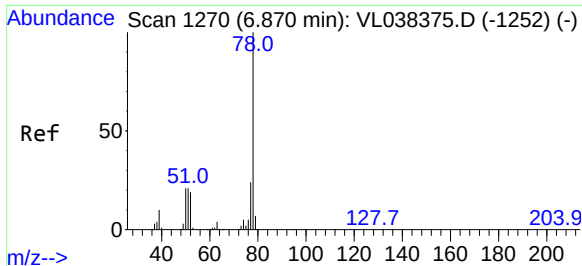


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42



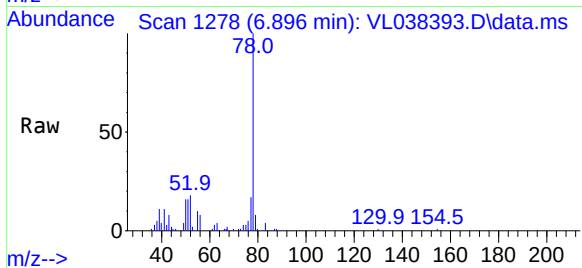
Tgt Ion:114 Resp: 2282956
Ion Ratio Lower Upper
114 100
63 26.9 22.2 33.2
88 18.7 15.2 22.8





#36
Benzene
Concen: 0.194 ppbv
RT: 6.896 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

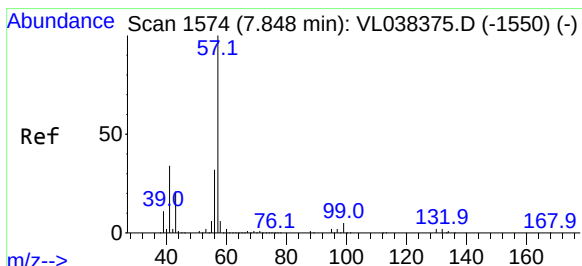
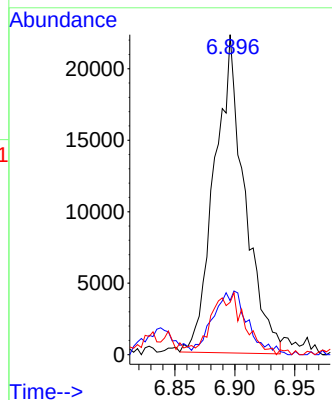
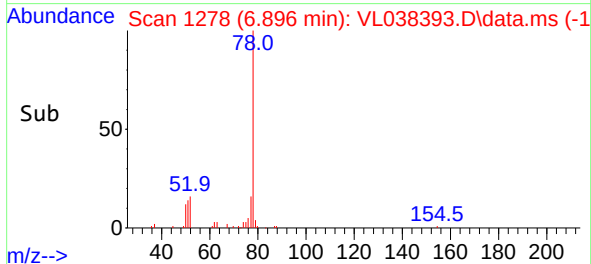
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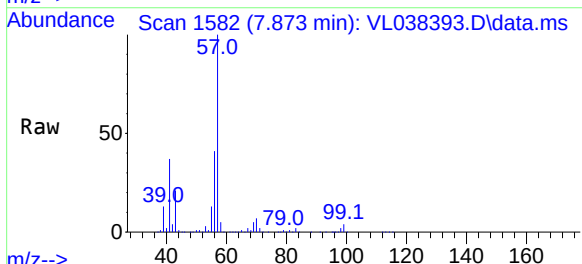
Tgt Ion: 78 Resp: 3899
Ion Ratio Lower Upper
78 100
77 16.0 19.0 28.6
50 15.0 16.6 24.8

Manual Integrations
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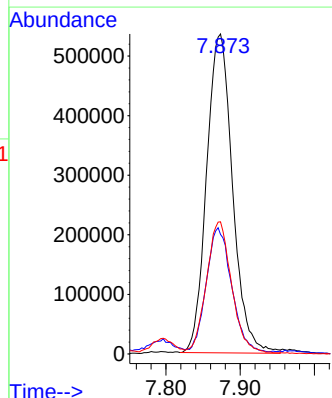
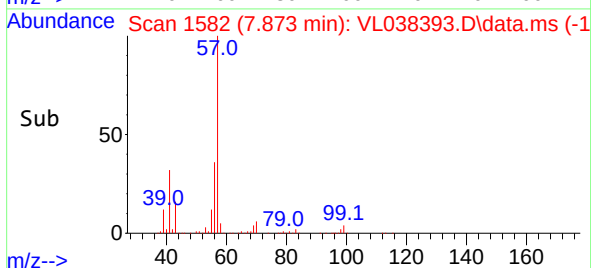
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

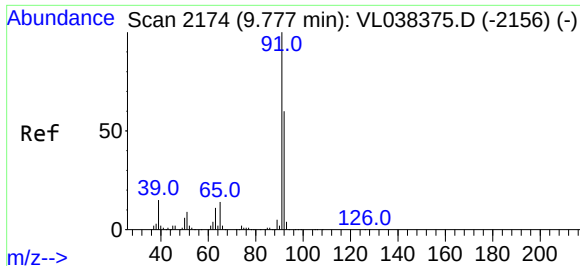


#44
2,2,4-Trimethylpentane
Concen: 3.771 ppbv
RT: 7.873 min Scan# 1582
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42



Tgt Ion: 57 Resp: 1302628
Ion Ratio Lower Upper
57 100
41 39.3 26.6 39.8
56 40.8 25.0 37.6





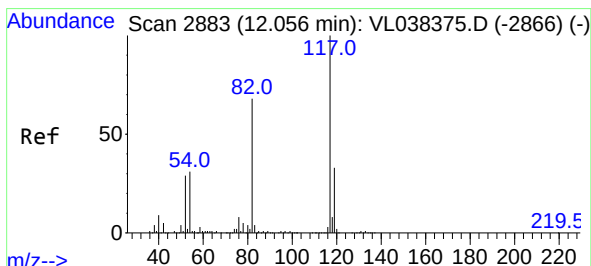
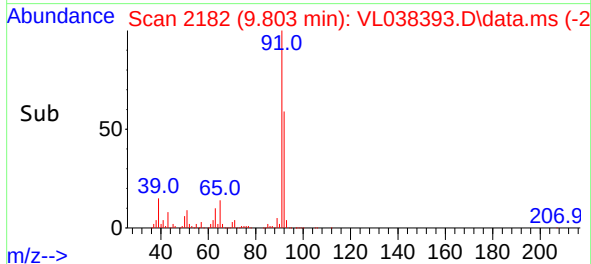
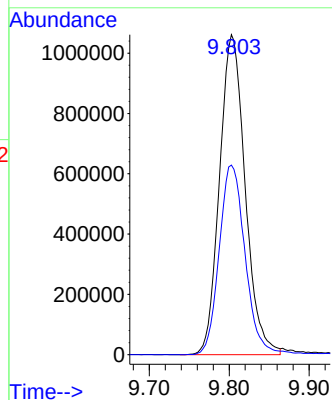
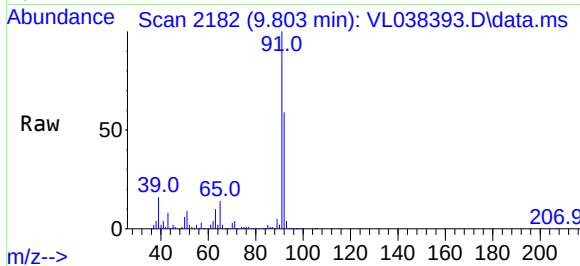
#53
Toluene
Concen: 10.821 ppbv
RT: 9.803 min Scan# 2174
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 91 Resp: 236133
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.4

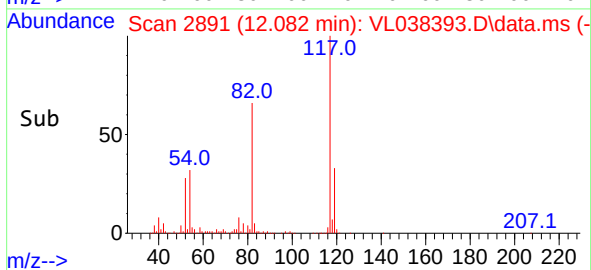
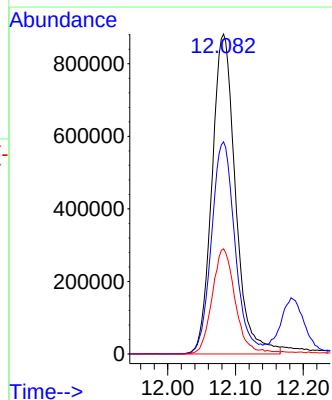
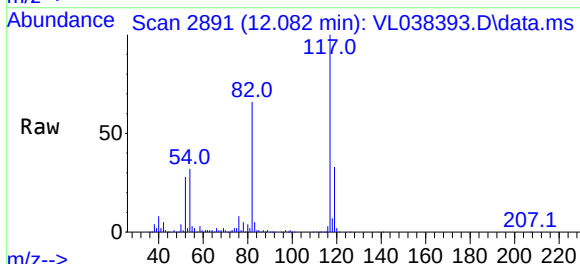
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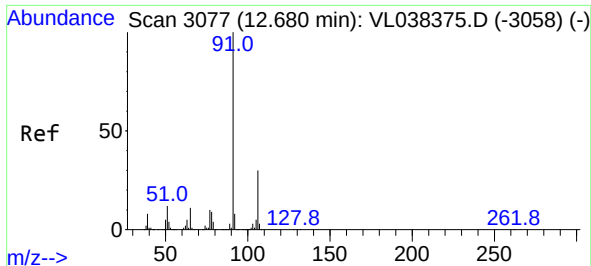
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion:117 Resp: 2125050
Ion Ratio Lower Upper
117 100
82 66.0 54.9 82.3
119 33.5 46.1 69.1#





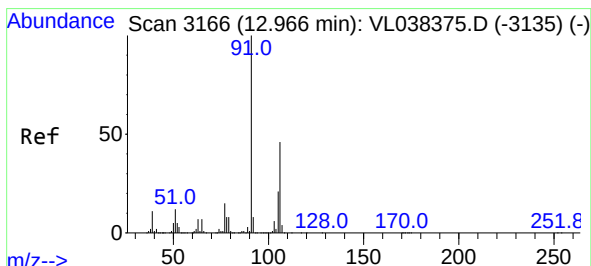
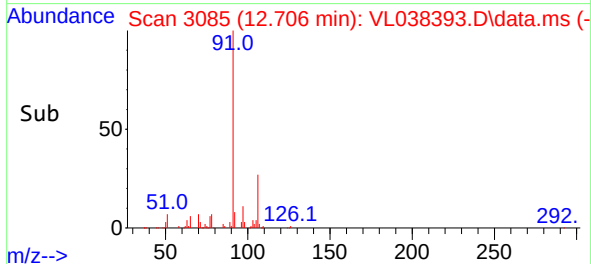
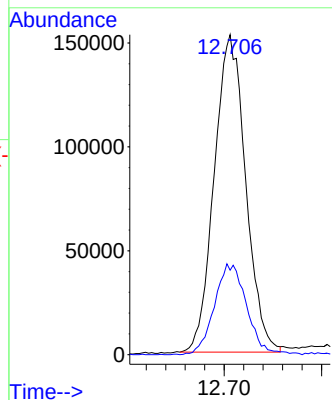
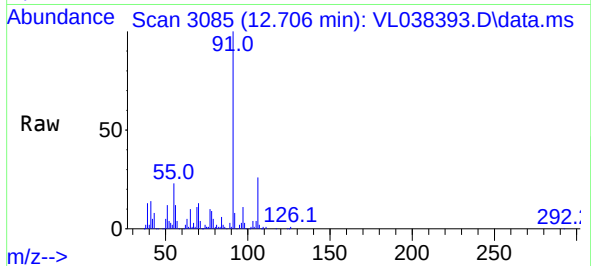
#58
Ethyl Benzene
Concen: 1.177 ppbv
RT: 12.706 min Scan# 3077
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 91 Resp: 34209
Ion Ratio Lower Upper
91 100
106 26.4 24.0 36.0

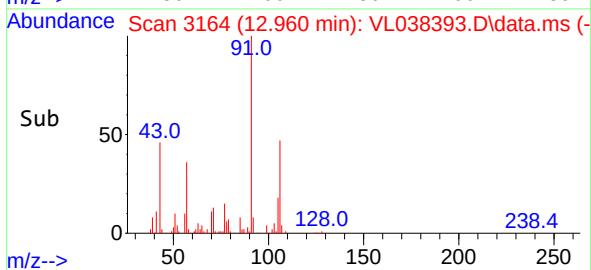
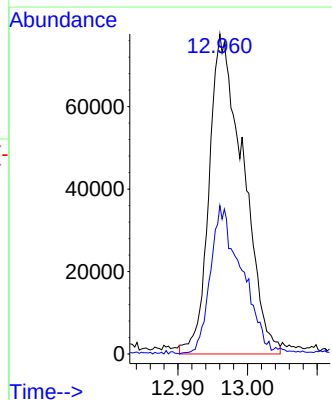
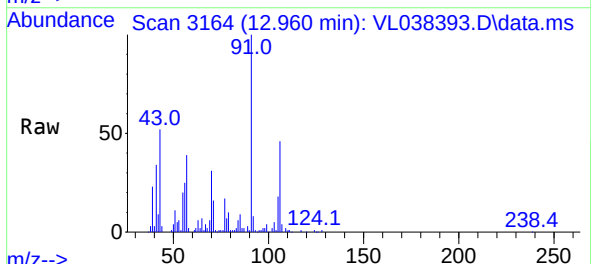
Manual Integrations
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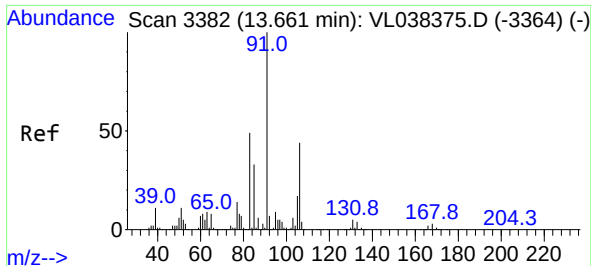
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#59
m/p-Xylene
Concen: 1.060 ppbv m
RT: 12.960 min Scan# 3164
Delta R.T. -0.006 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 264575
Ion Ratio Lower Upper
91 100
106 0.0 34.4 51.6#





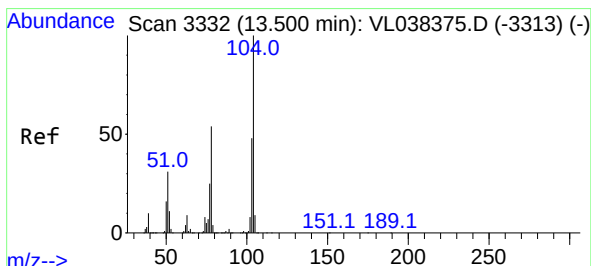
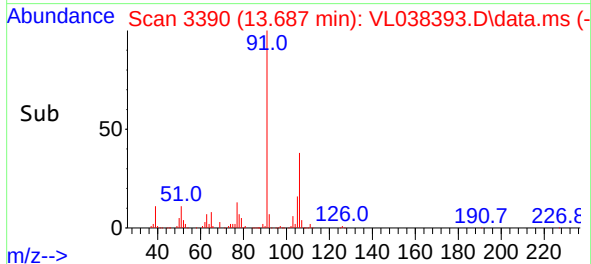
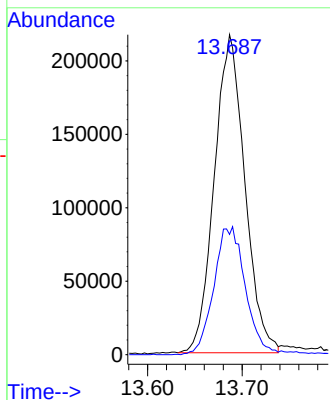
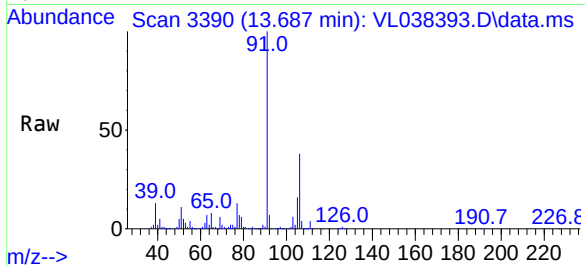
#60
o-Xylene
Concen: 2.056 ppbv
RT: 13.687 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 91 Resp: 484980
Ion Ratio Lower Upper
91 100
106 42.5 21.9 65.5

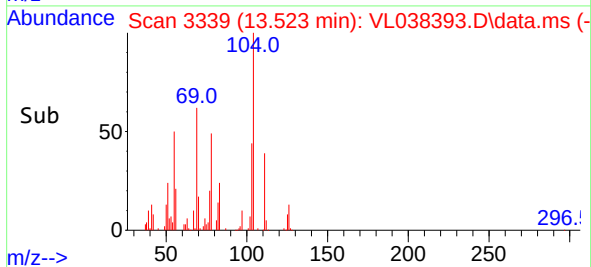
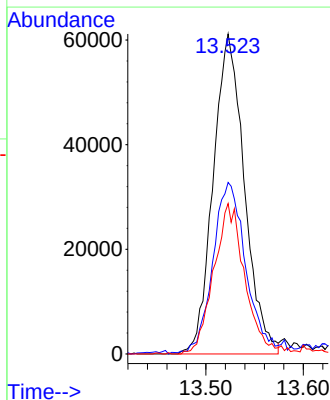
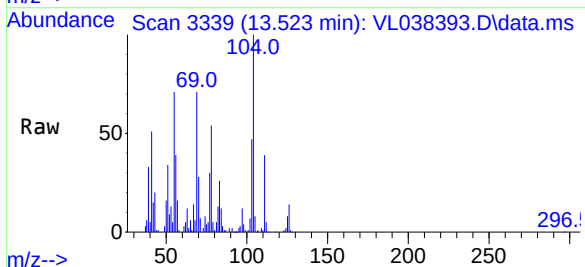
Manual Integrations
APPROVED

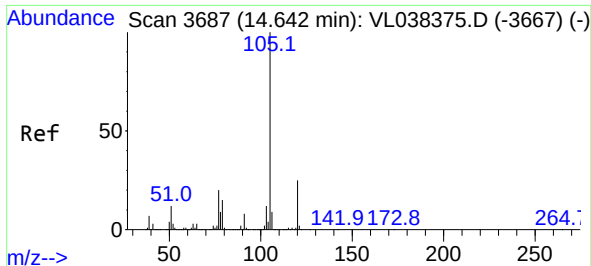
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#61
Styrene
Concen: 1.249 ppbv
RT: 13.523 min Scan# 3339
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

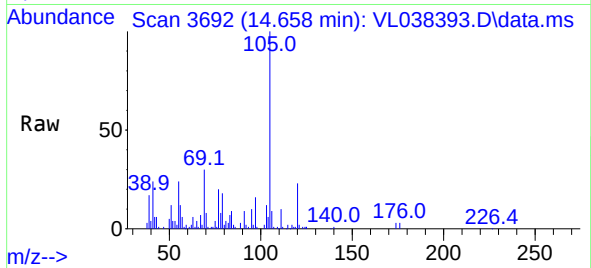
Tgt Ion:104 Resp: 135856
Ion Ratio Lower Upper
104 100
78 58.1 44.2 66.4
103 47.3 38.4 57.6





#62
Isopropylbenzene
Concen: 0.300 ppbv
RT: 14.658 min Scan# 30
Delta R.T. 0.016 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

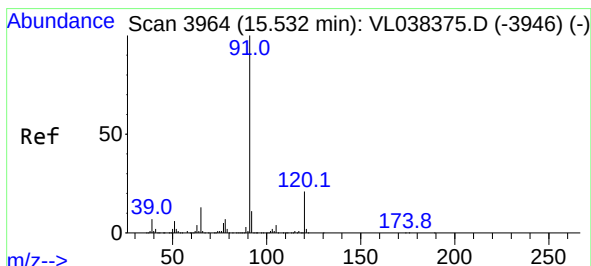
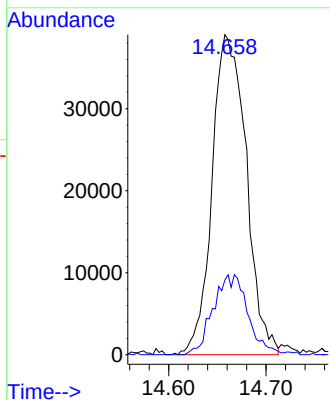
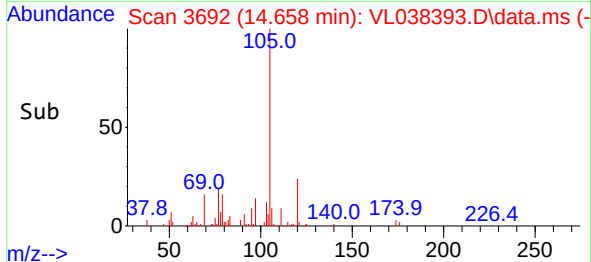
Instrument :
MSVOA_L
ClientSampleId :
MP-11



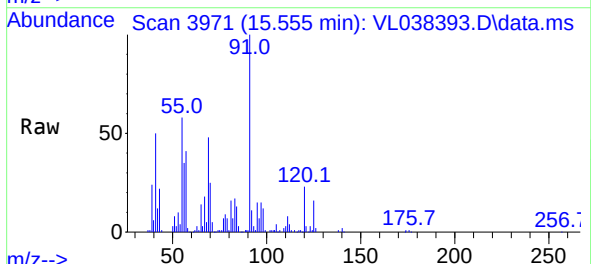
Tgt Ion:105 Resp: 9501
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8

Manual Integrations
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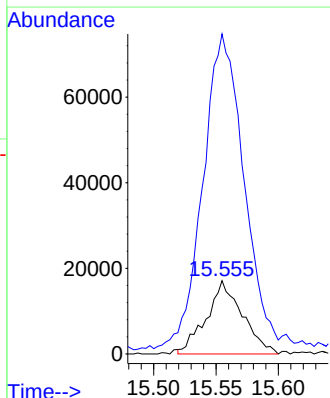
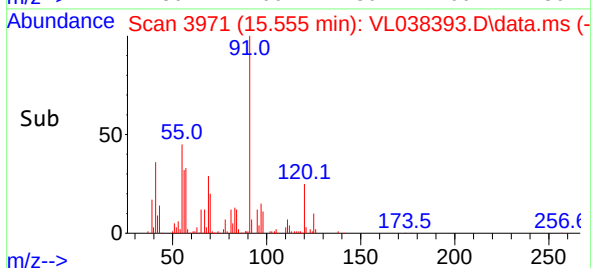
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022

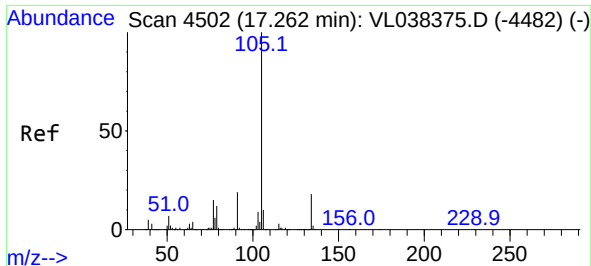


#64
n-propylbenzene
Concen: 0.437 ppbv
RT: 15.555 min Scan# 3971
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42



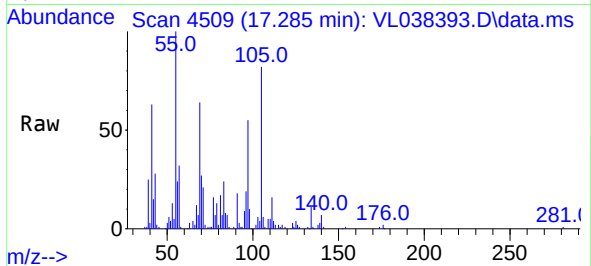
Tgt Ion:120 Resp: 34237
Ion Ratio Lower Upper
120 100
91 500.3 388.1 582.1





#67
 sec-Butylbenzene
 Concen: 0.188 ppbv m
 RT: 17.285 min Scan# 4
 Delta R.T. 0.023 min
 Lab File: VL038393.D
 Acq: 22 Feb 2022 17:42

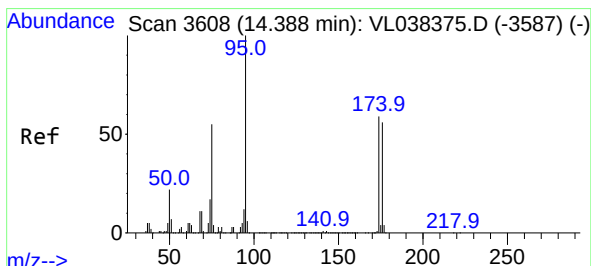
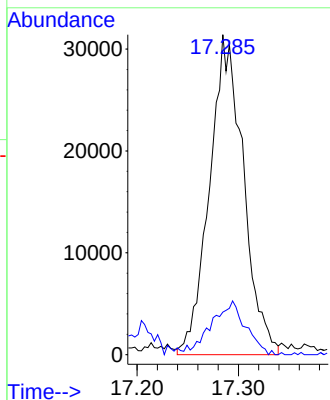
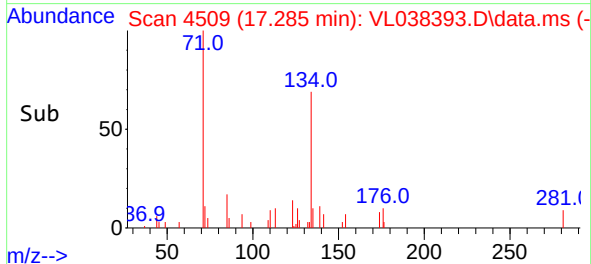
Instrument :
 MSVOA_L
 ClientSampleId :
 MP-11



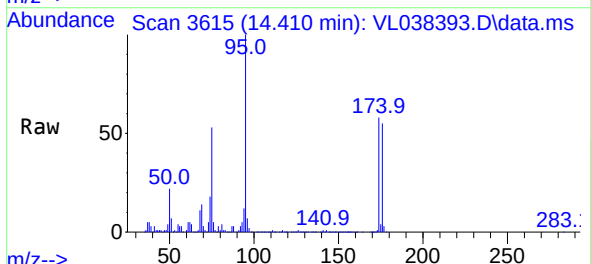
Tgt Ion:105 Resp: 72912
 Ion Ratio Lower Upper
 105 100
 134 8.5 14.6 21.8

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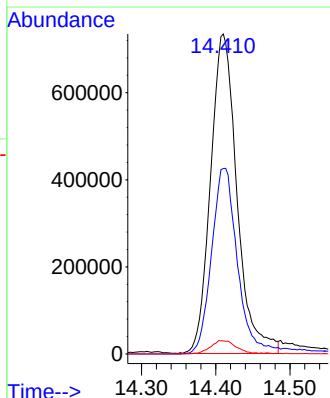
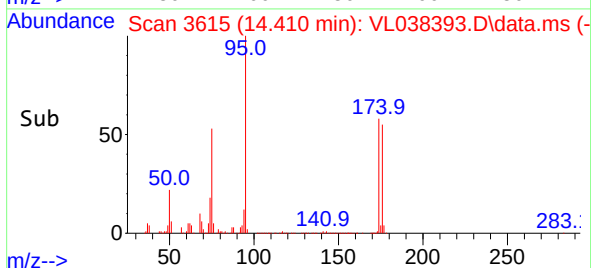
Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

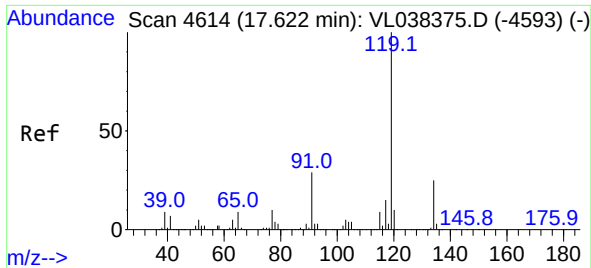


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.348 ppbv
 RT: 14.410 min Scan# 3615
 Delta R.T. 0.023 min
 Lab File: VL038393.D
 Acq: 22 Feb 2022 17:42



Tgt Ion: 95 Resp: 1819404
 Ion Ratio Lower Upper
 95 100
 174 59.7 49.0 73.4
 175 4.2 3.6 5.4





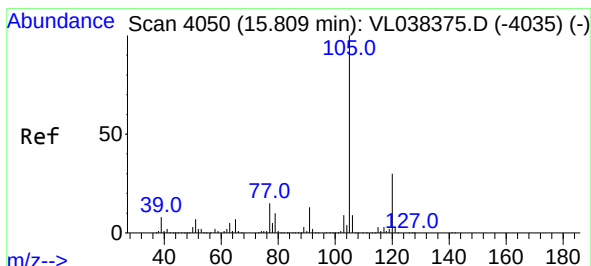
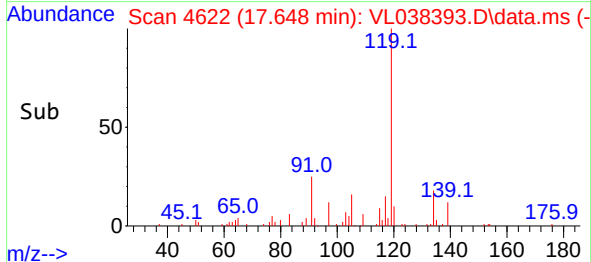
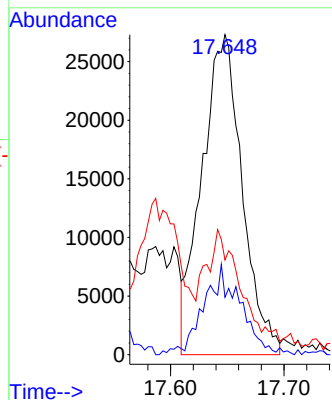
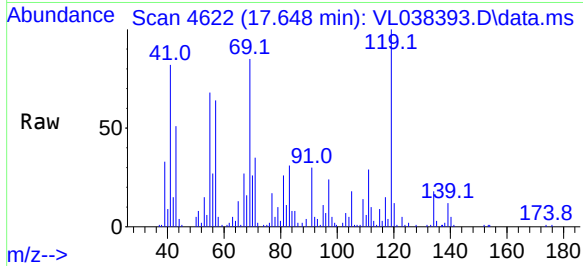
#69
p-Isopropyltoluene
Concen: 0.221 ppbv m
RT: 17.648 min Scan# 4622
Delta R.T. 0.026 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:119 Resp: 67490
Ion Ratio Lower Upper
119 100
134 25.4 20.4 30.6
91 0.0 23.8 35.8

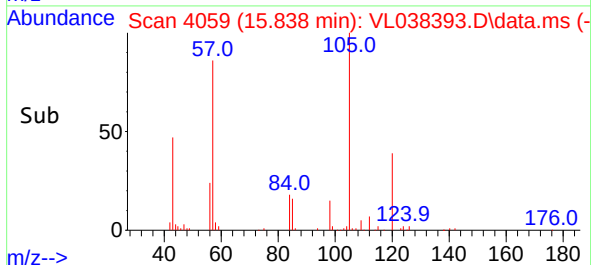
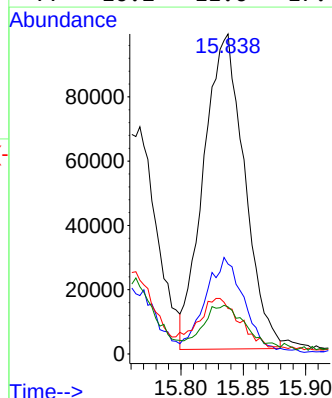
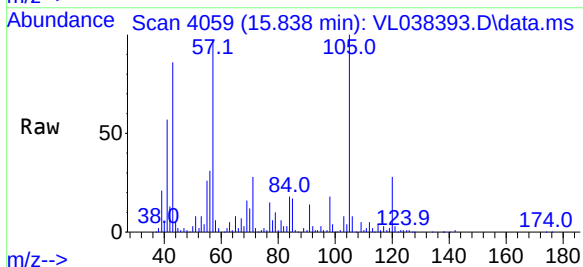
Manual Integrations
APPROVED

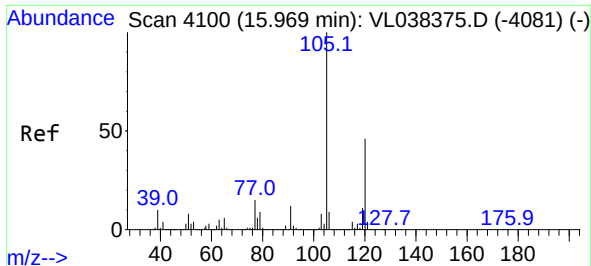
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#72
4-Ethyltoluene
Concen: 0.860 ppbv
RT: 15.838 min Scan# 4059
Delta R.T. 0.029 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

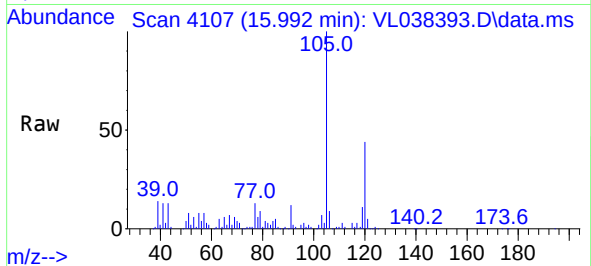
Tgt Ion:105 Resp: 223550
Ion Ratio Lower Upper
105 100
120 30.3 23.4 35.2
91 17.3 10.4 15.6
77 16.2 11.6 17.4





#73
1,3,5-Trimethylbenzene
Concen: 1.236 ppbv
RT: 15.992 min Scan# 4107
Delta R.T. 0.023 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

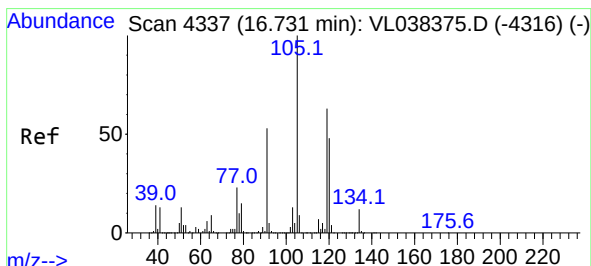
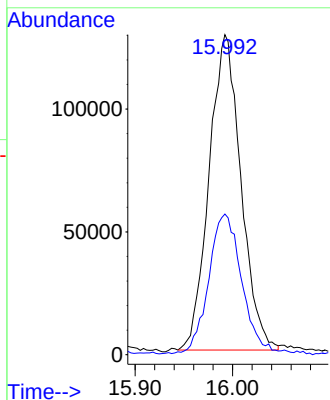
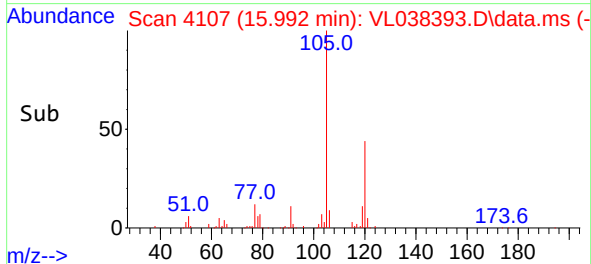
Instrument :
MSVOA_L
ClientSampleId :
MP-11



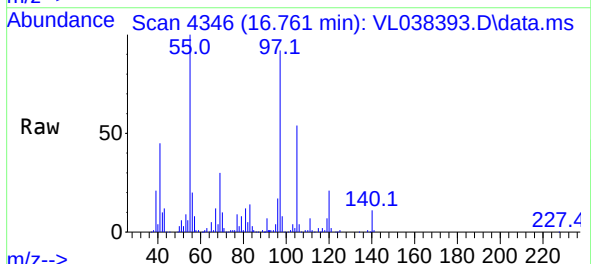
Tgt Ion:105 Resp: 291720
Ion Ratio Lower Upper
105 100
120 43.7 36.6 55.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.800 ppbv m
RT: 16.761 min Scan# 4346
Delta R.T. 0.029 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42



Tgt Ion:105 Resp: 199437
Ion Ratio Lower Upper
105 100
120 38.4 38.2 57.4
91 13.1 42.7 64.1#
77 16.9 18.5 27.7#

