

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008429.D
 Acq On : 20 Apr 2022 19:25
 Operator : KP/MD
 Sample : N2452-09
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-4

Quant Time: Apr 21 02:42:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

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

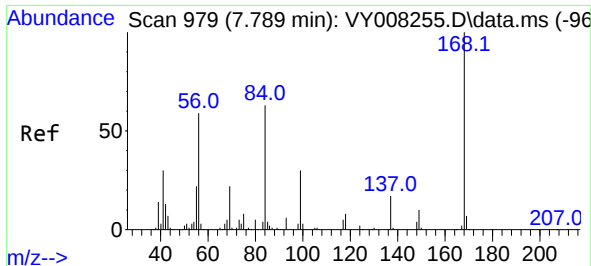
Internal Standards						
1) Pentafluorobenzene	7.789	168	122201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	194340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	110581	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.538	152	34258	50.000	ug/l	0.11
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	51073	44.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.980%		
35) Dibromofluoromethane	7.716	113	56796	50.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.200%		
50) Toluene-d8	10.179	98	461036	120.034	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	240.060%#		
62) 4-Bromofluorobenzene	12.477	95	331996	229.811	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	459.620%#		
Target Compounds					Qvalue	
16) Acetone	3.948	43	45858	166.099	ug/l	# 86
17) Carbon Disulfide	4.198	76	6584	2.071	ug/l	97
25) 2-Butanone	6.984	43	23849	55.243	ug/l	# 81
31) Cyclohexane	7.783	56	338892	163.268	ug/l	# 83
39) Methylcyclohexane	9.185	83	2511997	1089.216	ug/l	# 80
40) Benzene	8.161	78	6633	1.243	ug/l	99
52) Toluene	10.240	92	15273	4.343	ug/l	91
65) Chlorobenzene	11.520	112	21606	9.010	ug/l	98
67) Ethyl Benzene	11.593	91	204358	50.110	ug/l	95
68) m/p-Xylenes	11.703	106	311697	192.180	ug/l	96
69) o-Xylene	12.026	106	384045	244.003	ug/l	94
73) Isopropylbenzene	12.331	105	591169	232.103	ug/l	98
78) n-propylbenzene	12.672	91	720618	239.767	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	4114879	1970.225	ug/l	95
83) tert-Butylbenzene	13.074	119	153804m	82.088	ug/l	
84) 1,2,4-Trimethylbenzene	13.123	105	5621768	2719.926	ug/l	92
85) sec-Butylbenzene	13.257	105	636381	229.100	ug/l	# 65
86) p-Isopropyltoluene	13.373	119	217561	93.858	ug/l	95
89) n-Butylbenzene	13.696	91	201297	96.117	ug/l	# 63

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

Manual Integrations

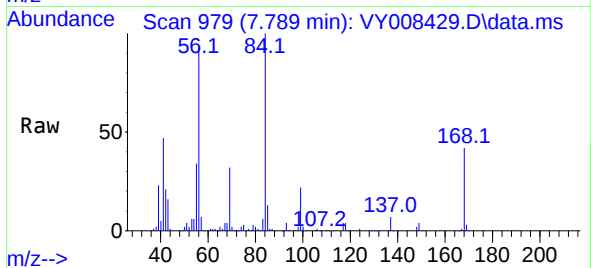
Quant Time: Apr 21 02:42:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 08 16:02:50 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

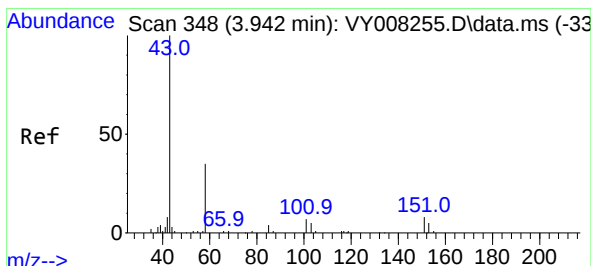
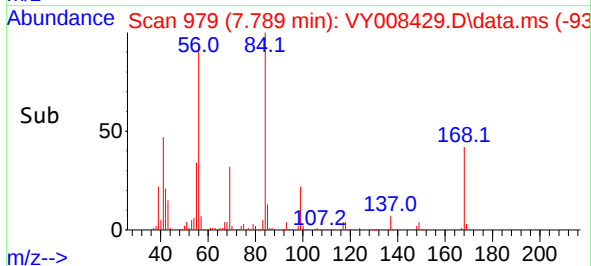
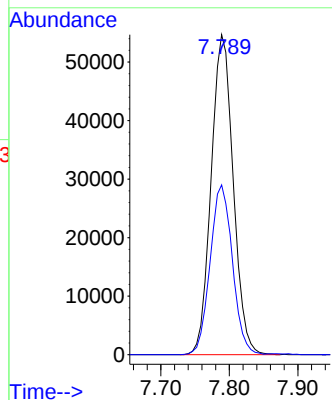
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



Tgt Ion:168 Resp: 12220
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3

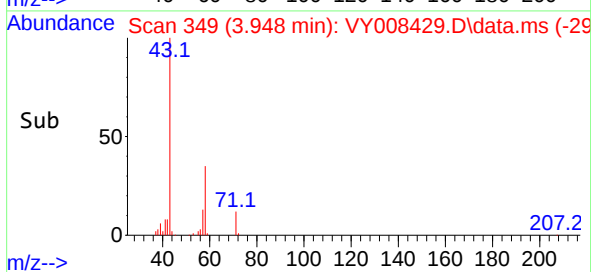
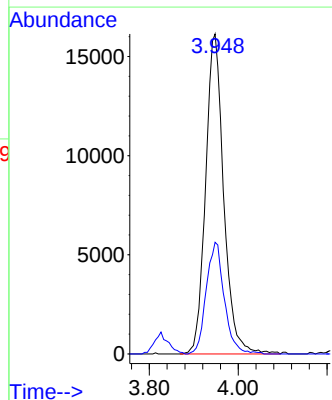
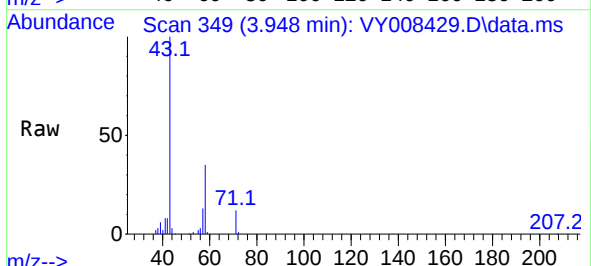
Manual Integrations
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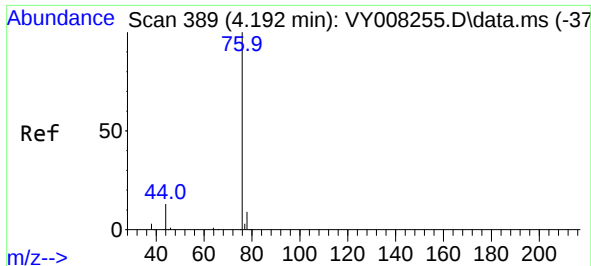
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#16
Acetone
Concen: 166.099 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

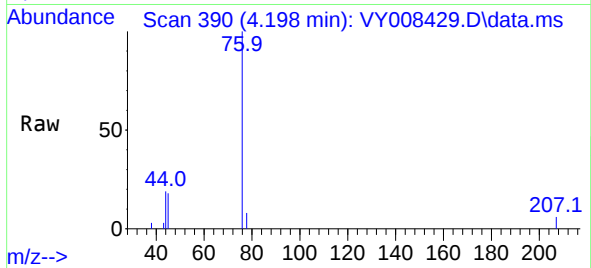
Tgt Ion: 43 Resp: 45858
Ion Ratio Lower Upper
43 100
58 34.9 22.0 33.0#





#17
Carbon Disulfide
Concen: 2.071 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

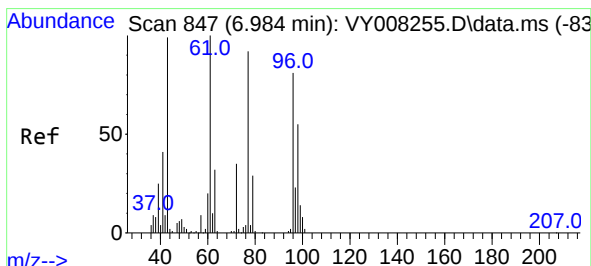
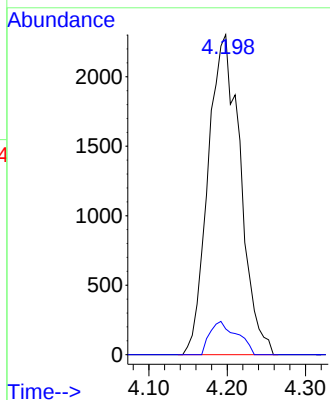
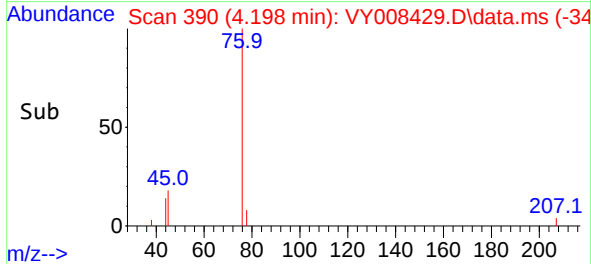
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



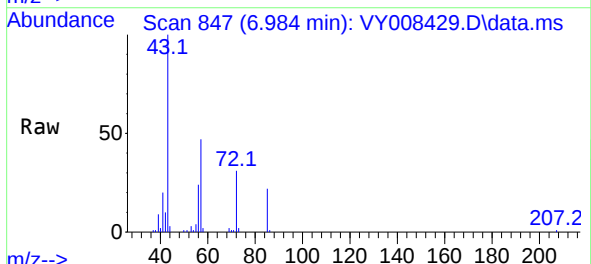
Tgt Ion: 76 Resp: 6584
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0

Manual Integrations
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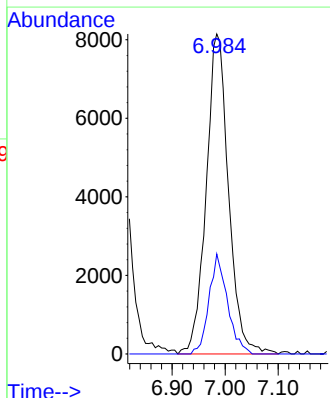
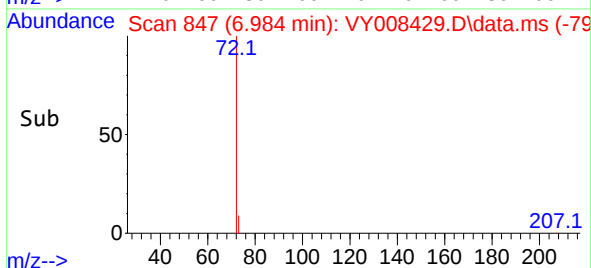
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

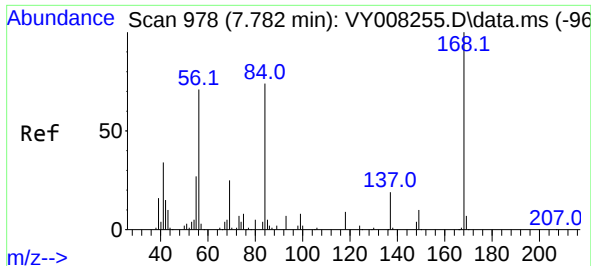


#25
2-Butanone
Concen: 55.243 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



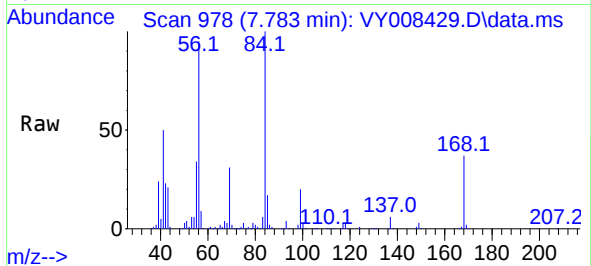
Tgt Ion: 43 Resp: 23849
Ion Ratio Lower Upper
43 100
72 31.2 17.7 26.5#





#31
Cyclohexane
Concen: 163.268 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

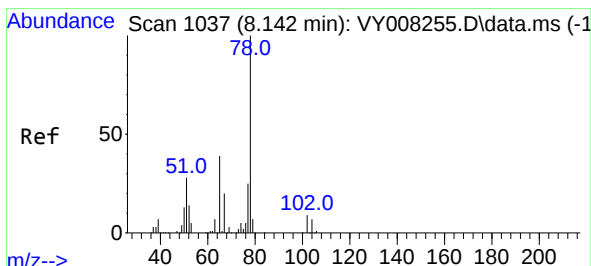
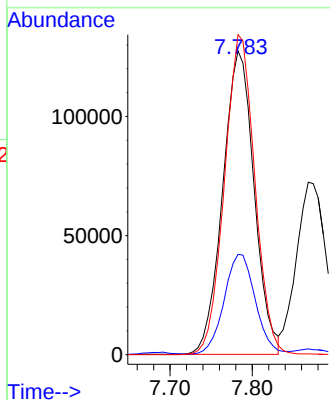
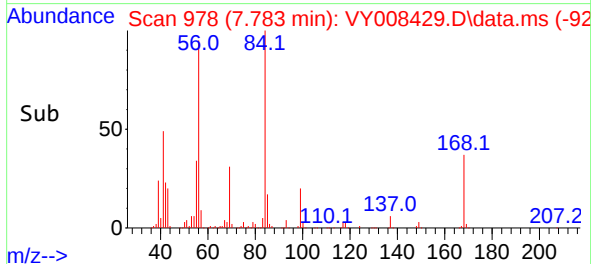
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



Tgt Ion: 56 Resp: 33889
Ion Ratio Lower Upper
56 100
69 32.7 26.7 40.1
84 105.4 67.2 100.8

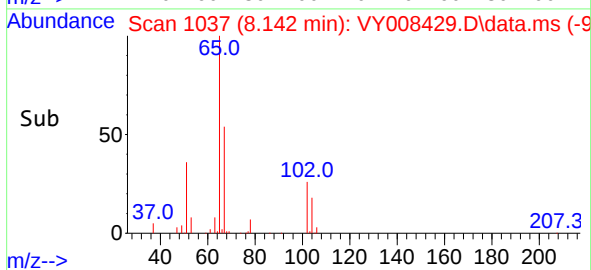
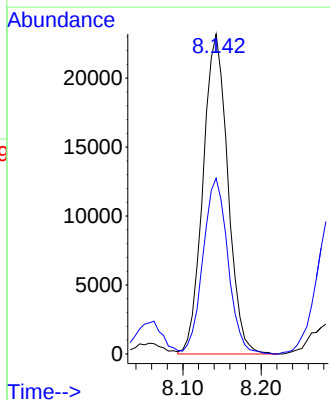
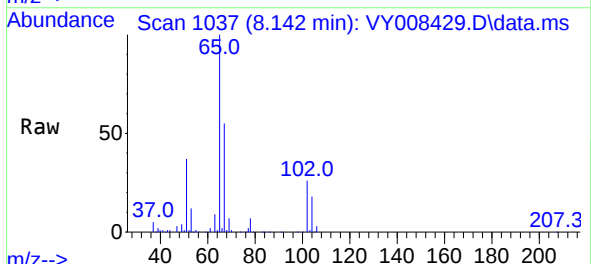
Manual Integrations
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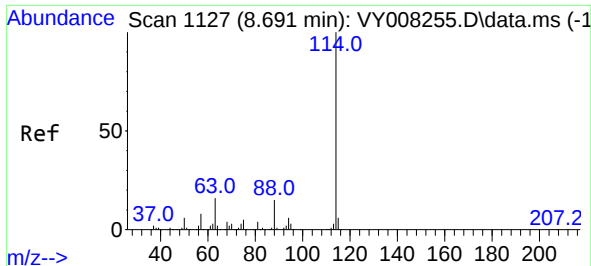
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#33
1,2-Dichloroethane-d4
Concen: 44.494 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

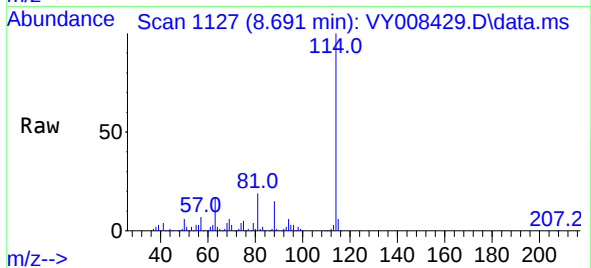
Tgt Ion: 65 Resp: 51073
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

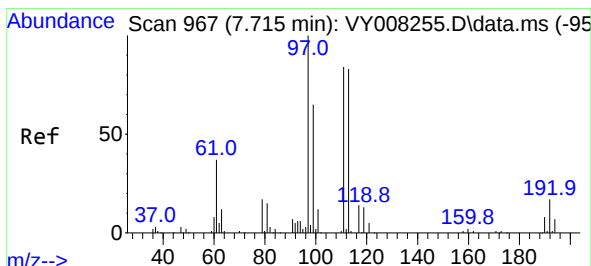
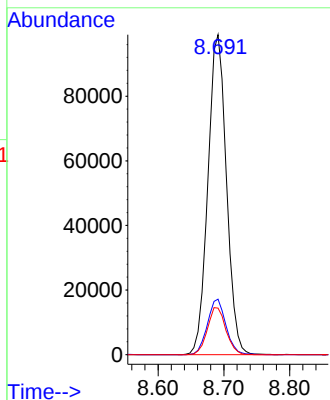
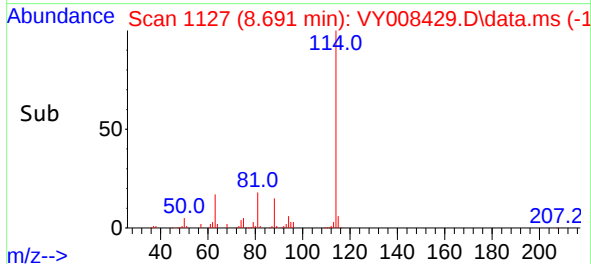
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



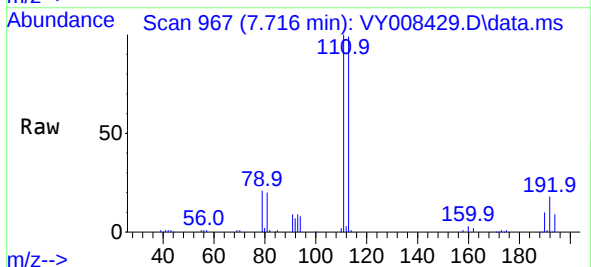
Tgt Ion:114 Resp: 194340
Ion Ratio Lower Upper
114 100
63 17.3 0.0 43.2
88 14.6 0.0 31.8

Manual Integrations
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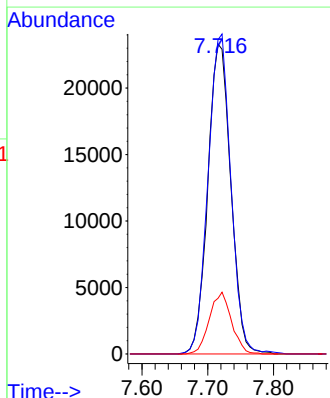
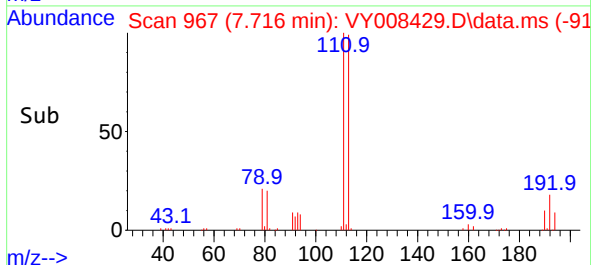
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

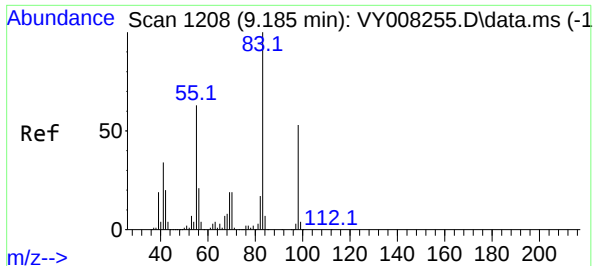


#35
Dibromofluoromethane
Concen: 50.599 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



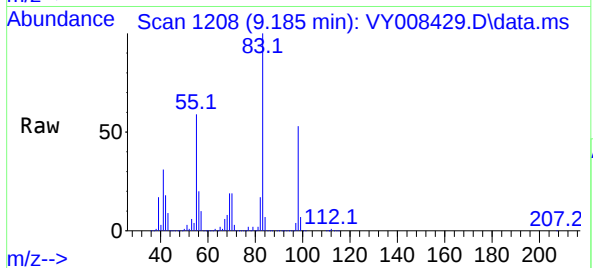
Tgt Ion:113 Resp: 56796
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 19.2 17.6 26.4





#39
Methylcyclohexane
Concen: 1089.216 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

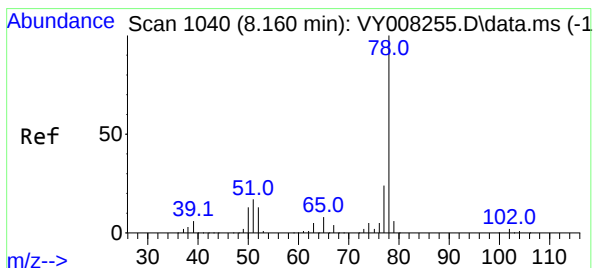
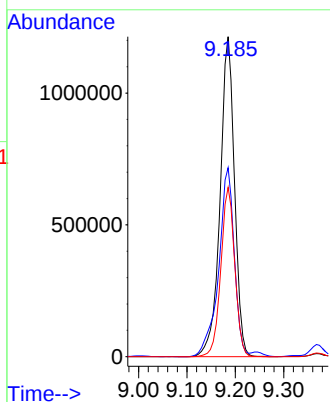
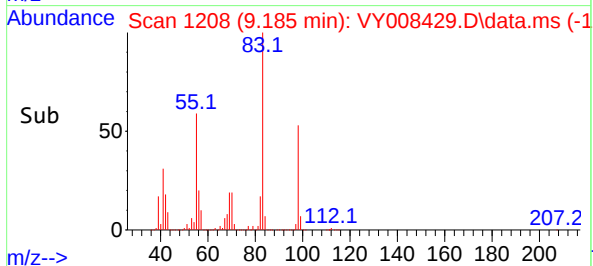
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



Tgt Ion: 83 Resp: 251199
Ion Ratio Lower Upper
83 100
55 59.0 66.5 99.7
98 52.9 37.9 56.9

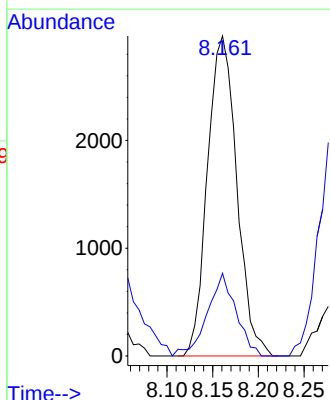
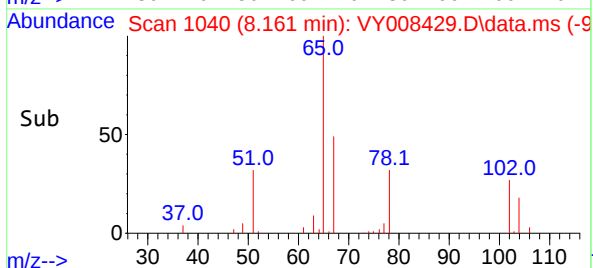
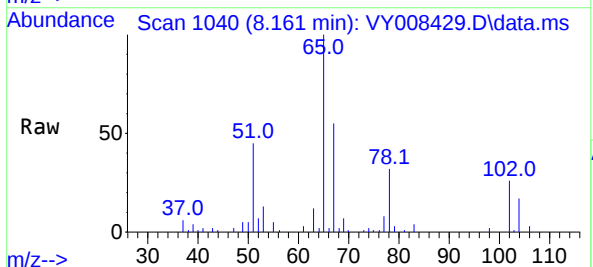
Manual Integrations
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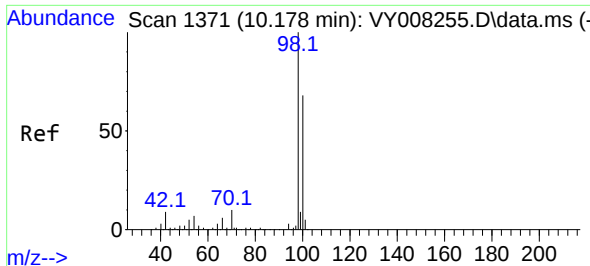
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#40
Benzene
Concen: 1.243 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

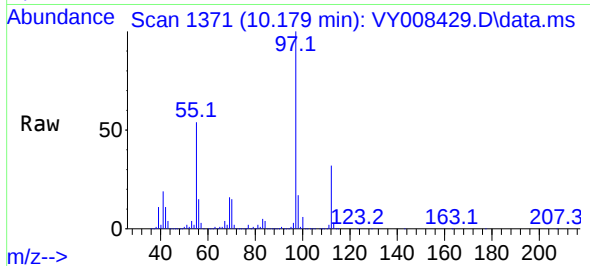
Tgt Ion: 78 Resp: 6633
Ion Ratio Lower Upper
78 100
77 25.9 20.4 30.6





#50
Toluene-d8
Concen: 120.034 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

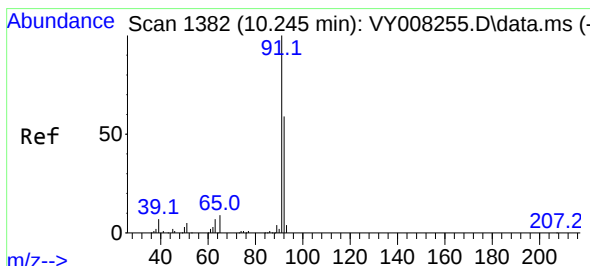
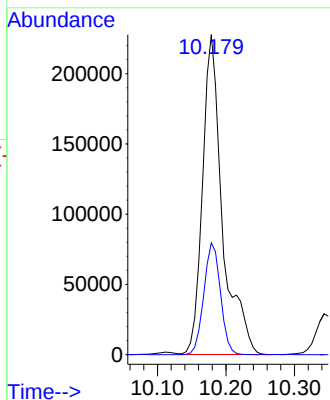
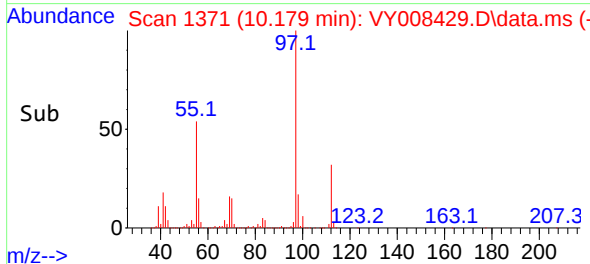
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



Tgt Ion: 98 Resp: 461030
Ion Ratio Lower Upper
98 100
100 29.2 50.2 75.2

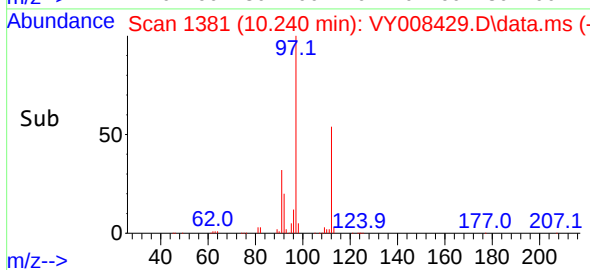
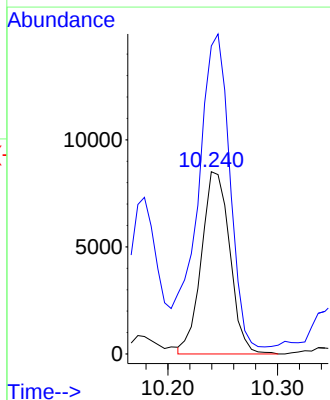
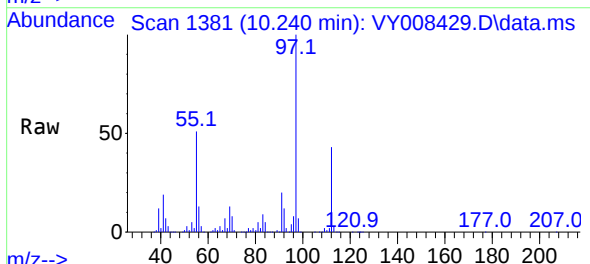
Manual Integrations
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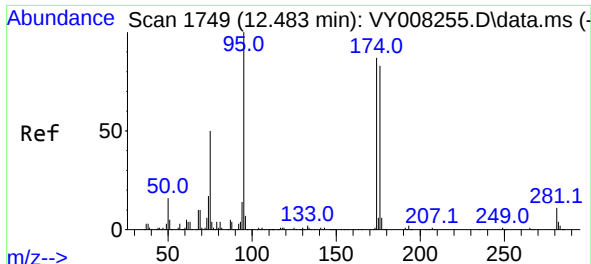
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#52
Toluene
Concen: 4.343 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.005 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

Tgt Ion: 92 Resp: 15273
Ion Ratio Lower Upper
92 100
91 190.7 142.6 213.8





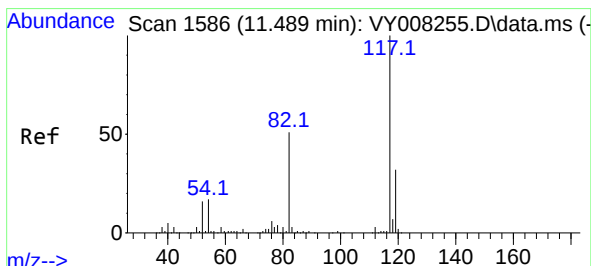
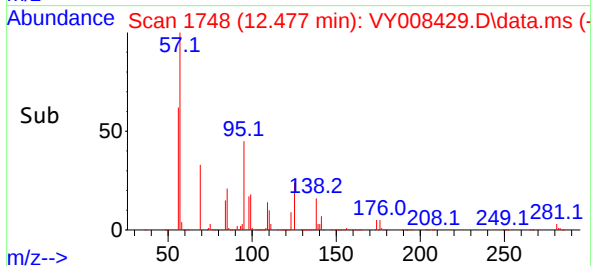
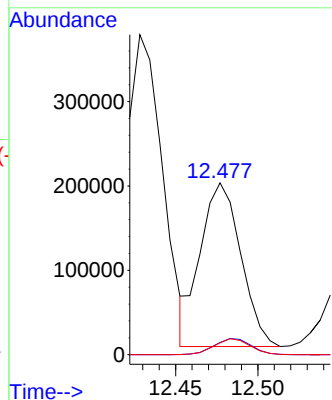
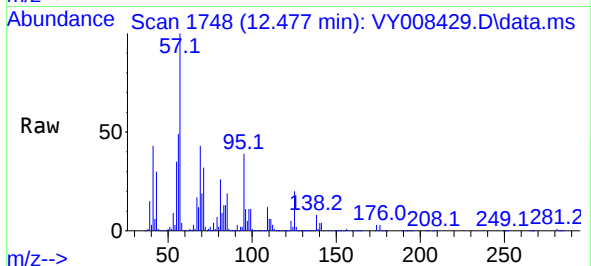
#62
4-Bromofluorobenzene
Concen: 229.811 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4

Tgt Ion: 95 Resp: 331990
Ion Ratio Lower Upper
95 100
174 9.0 0.0 177.0
176 8.6 0.0 175.8

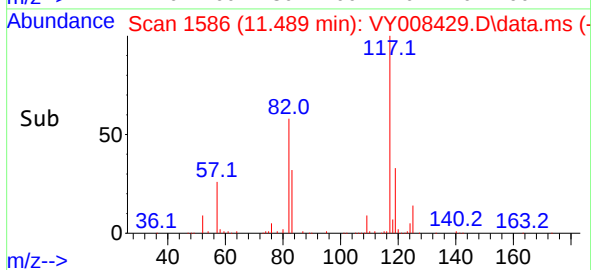
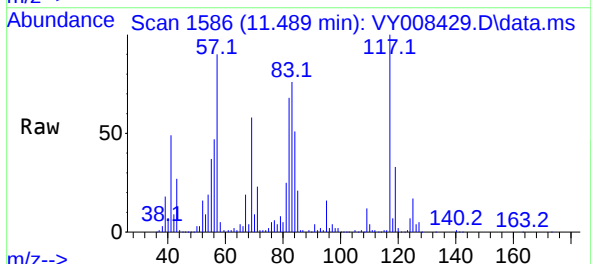
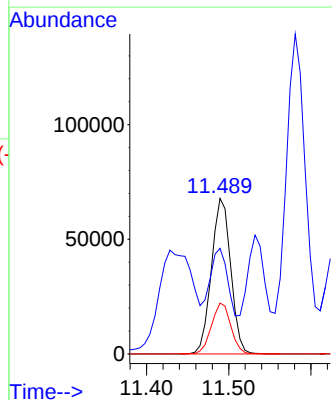
Manual Integrations
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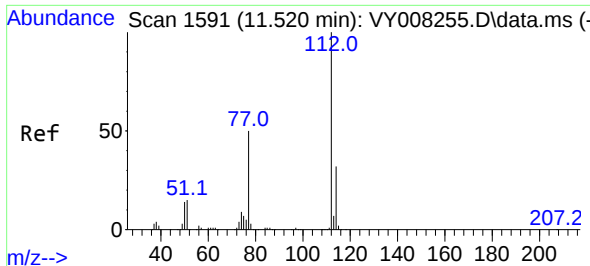
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

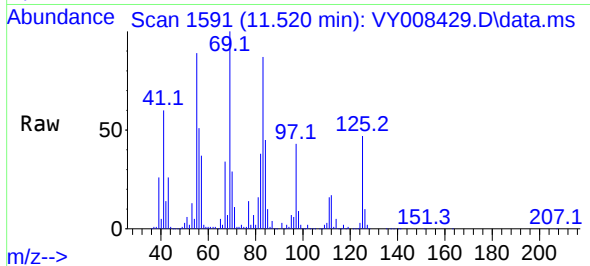
Tgt Ion:117 Resp: 110581
Ion Ratio Lower Upper
117 100
82 19.3 43.0 64.4#
119 32.6 25.4 38.0





#65
Chlorobenzene
Concen: 9.010 ug/l
RT: 11.520 min Scan# 11591
Delta R.T. -0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

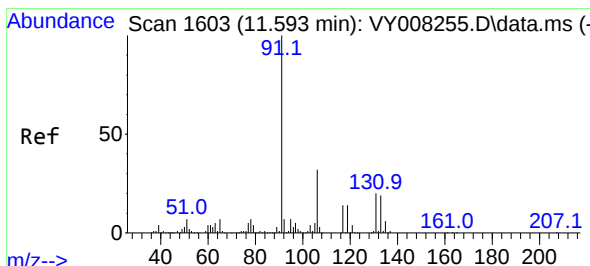
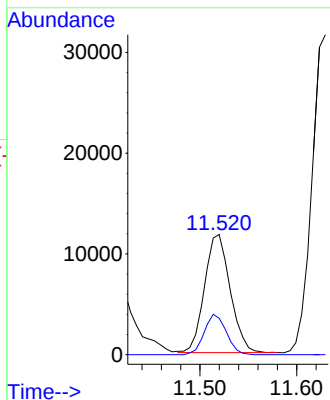
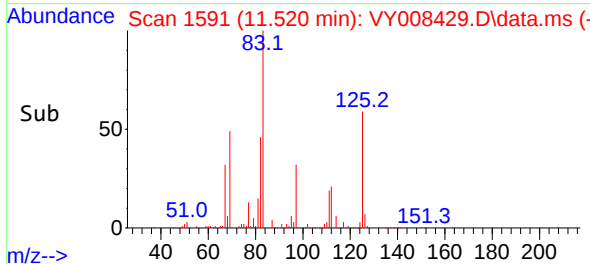
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



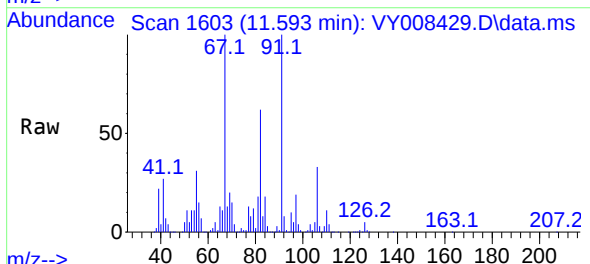
Tgt Ion: 112 Resp: 21600
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6

Manual Integrations
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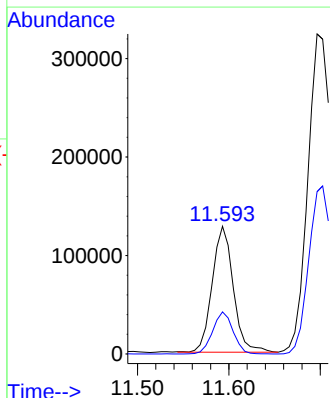
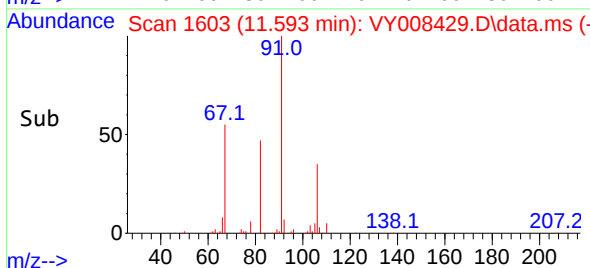
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

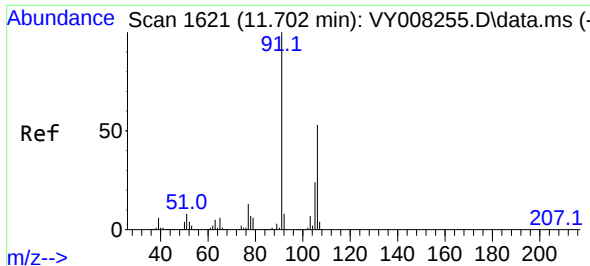


#67
Ethyl Benzene
Concen: 50.110 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



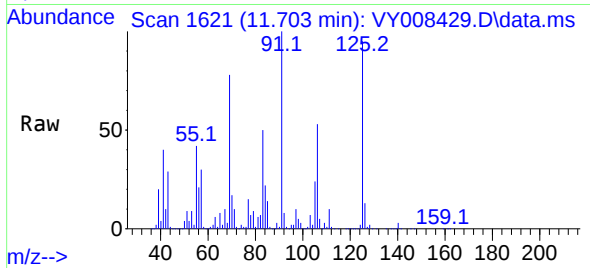
Tgt Ion: 91 Resp: 204358
Ion Ratio Lower Upper
91 100
106 33.5 24.5 36.7





#68
m/p-Xylenes
Concen: 192.180 ug/l
RT: 11.703 min Scan# 1169
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

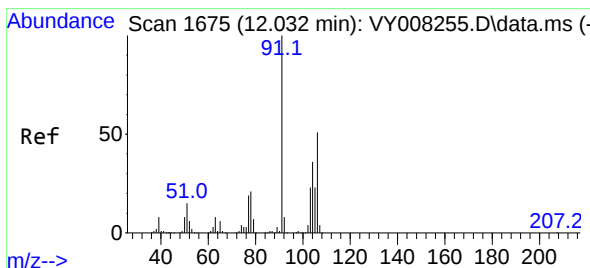
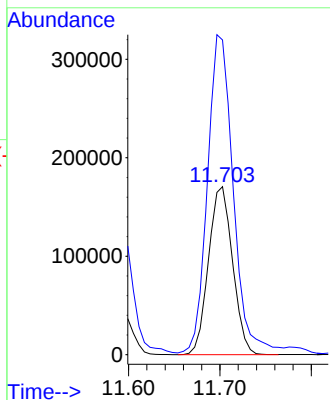
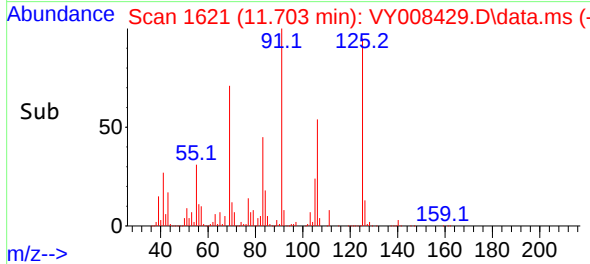
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



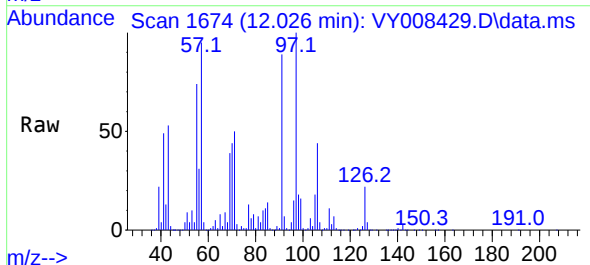
Tgt Ion:106 Resp: 31169
Ion Ratio Lower Upper
106 100
91 202.0 166.6 249.8

Manual Integrations
APPROVED

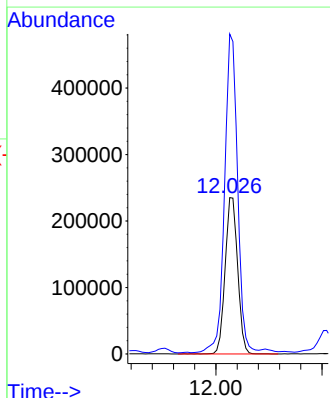
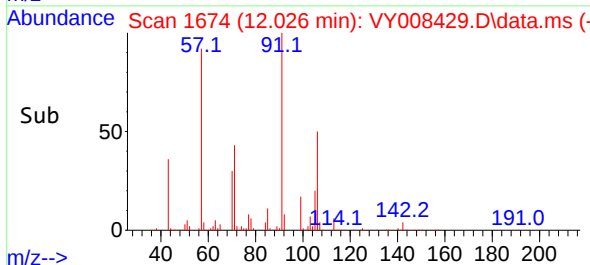
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

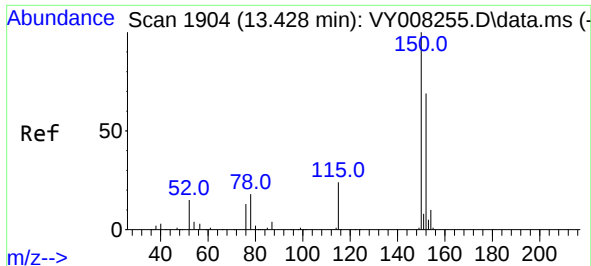


#69
o-Xylene
Concen: 244.003 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



Tgt Ion:106 Resp: 384045
Ion Ratio Lower Upper
106 100
91 211.4 110.3 331.0





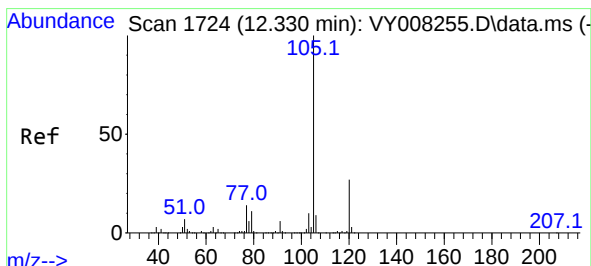
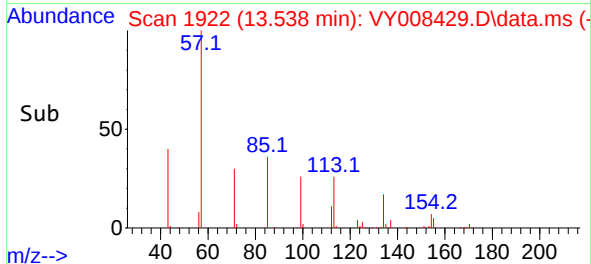
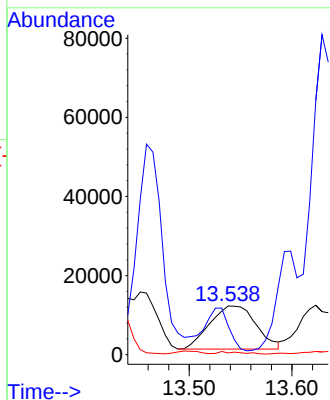
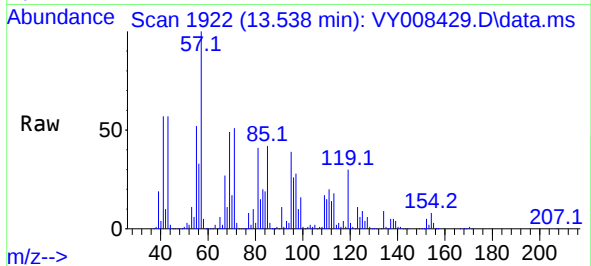
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.538 min Scan# 1904
Delta R.T. 0.110 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4

Tgt Ion:152 Resp: 34258
Ion Ratio Lower Upper
152 100
115 52.0 28.2 84.7
150 2.7 0.0 347.6

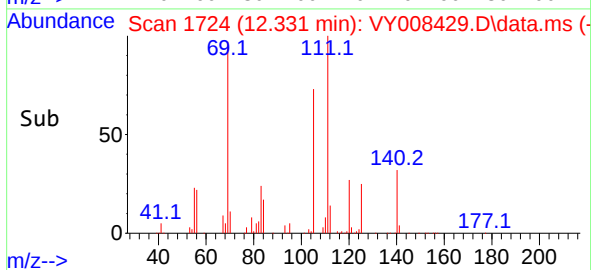
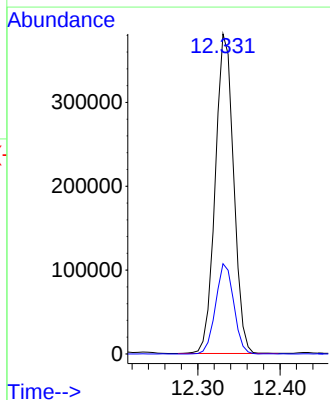
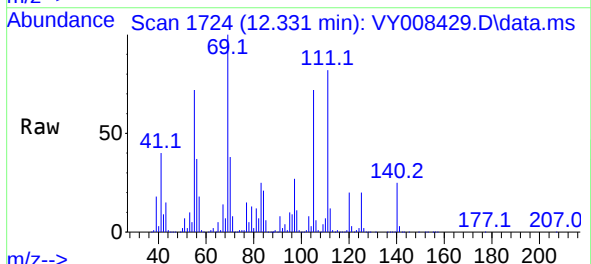
Manual Integrations
APPROVED

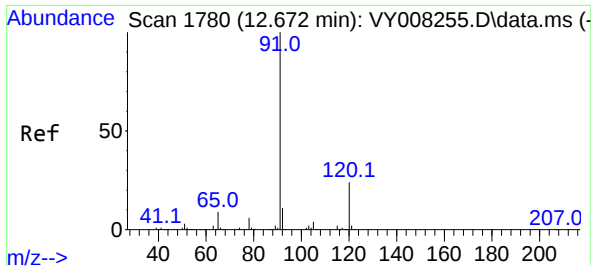
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#73
Isopropylbenzene
Concen: 232.103 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

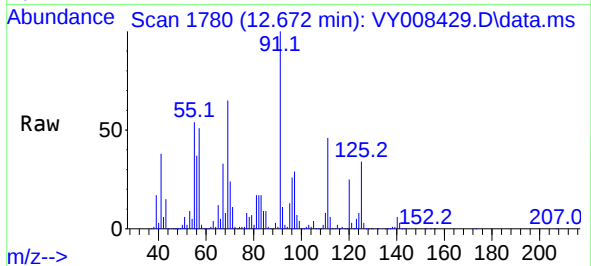
Tgt Ion:105 Resp: 591169
Ion Ratio Lower Upper
105 100
120 27.9 13.4 40.2





#78
n-propylbenzene
Concen: 239.767 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

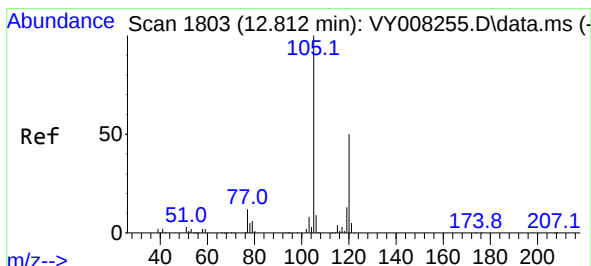
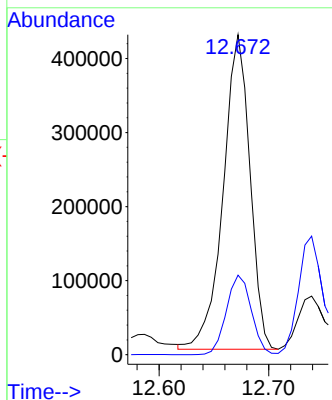
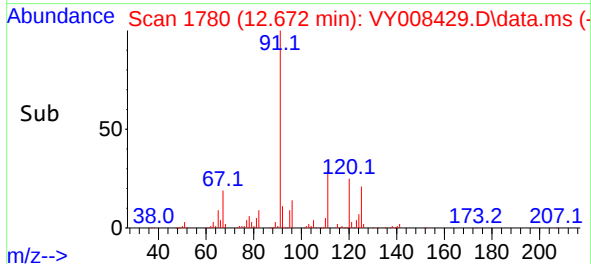
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



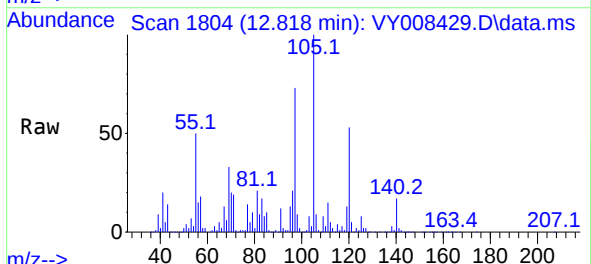
Tgt Ion: 91 Resp: 720618
Ion Ratio Lower Upper
91 100
120 23.5 11.3 33.9

Manual Integrations
APPROVED

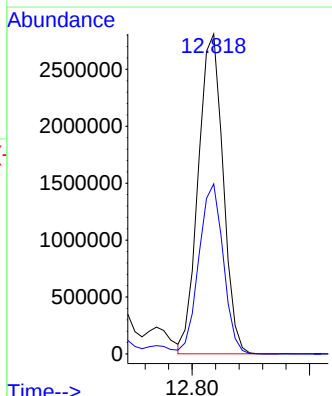
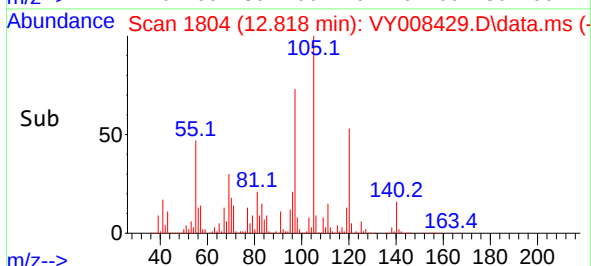
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

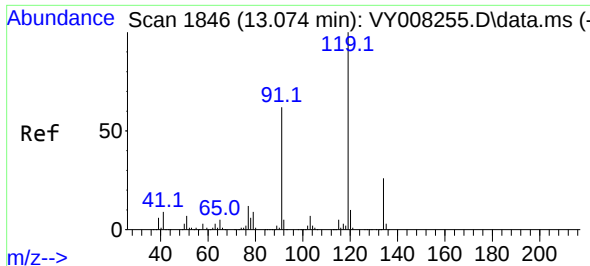


#80
1,3,5-Trimethylbenzene
Concen: 1970.225 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



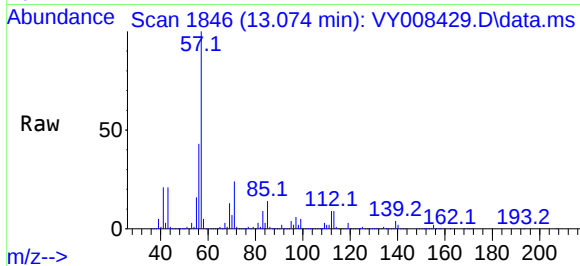
Tgt Ion:105 Resp: 4114879
Ion Ratio Lower Upper
105 100
120 52.3 24.4 73.4





#83
tert-Butylbenzene
Concen: 82.088 ug/l m
RT: 13.074 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25

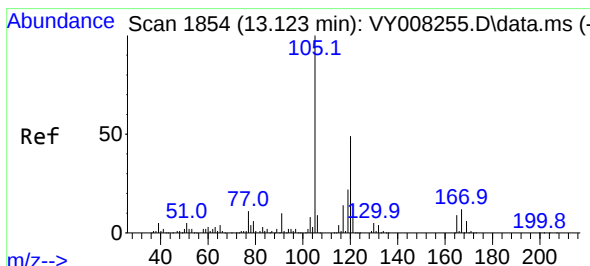
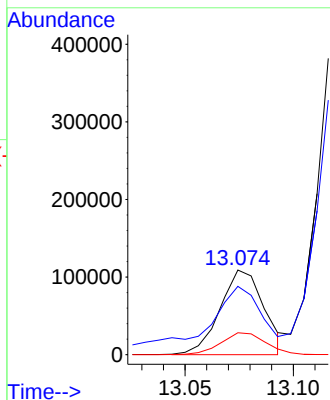
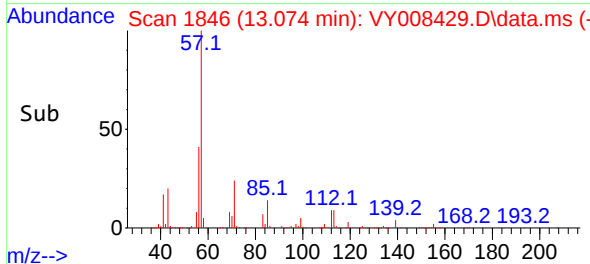
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-4



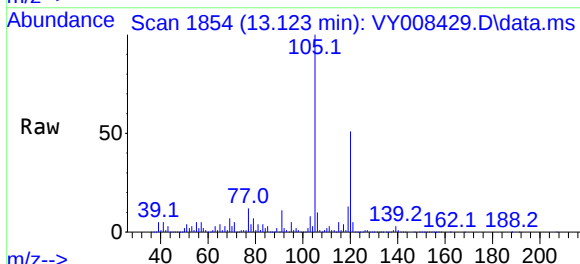
Tgt Ion:119 Resp: 153804
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.4
134 0.0 13.3 39.9

Manual Integrations
APPROVED

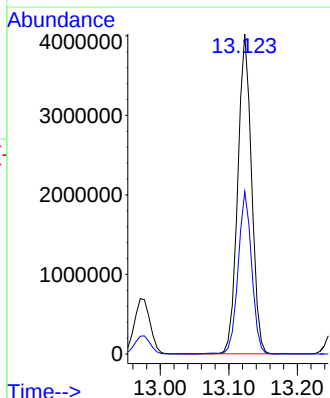
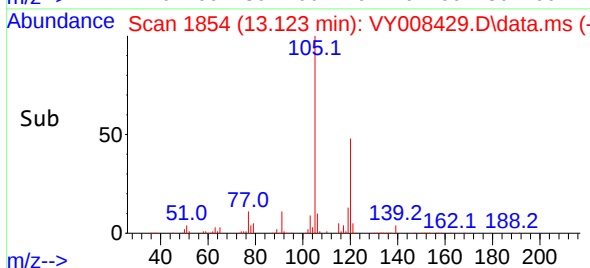
Reviewed By :Krupa Patel 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

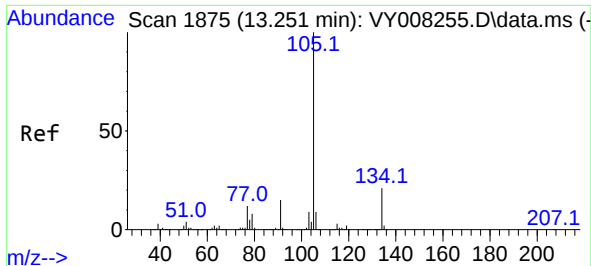


#84
1,2,4-Trimethylbenzene
Concen: 2719.926 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008429.D
Acq: 20 Apr 2022 19:25



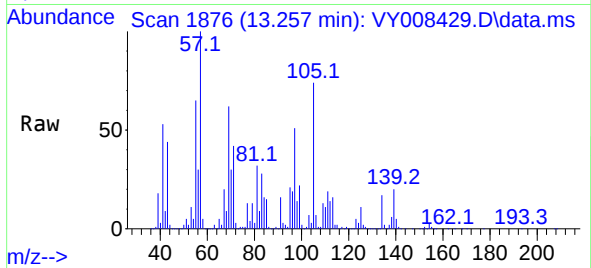
Tgt Ion:105 Resp: 5621768
Ion Ratio Lower Upper
105 100
120 49.9 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 229.100 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY008429.D
 Acq: 20 Apr 2022 19:25

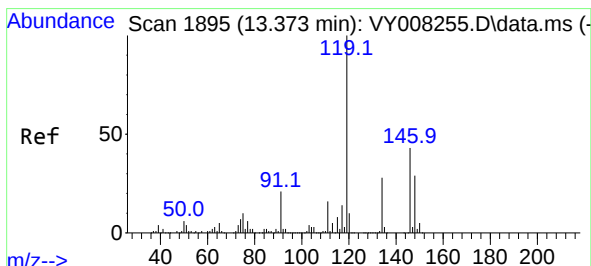
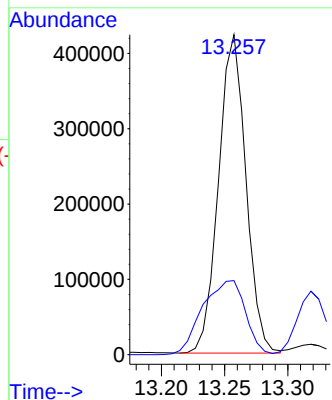
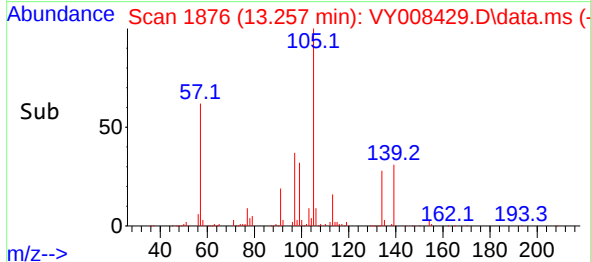
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-4



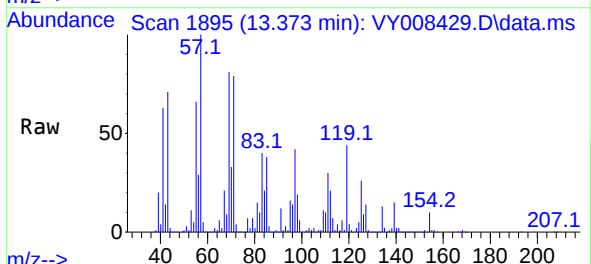
Tgt Ion:105 Resp: 63638
 Ion Ratio Lower Upper
 105 100
 134 36.4 10.2 30.4

Manual Integrations
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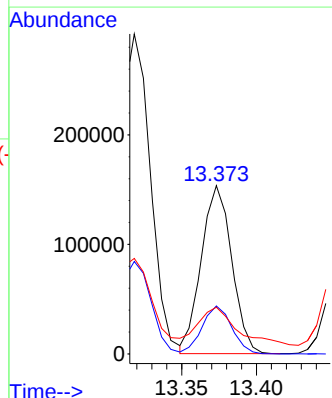
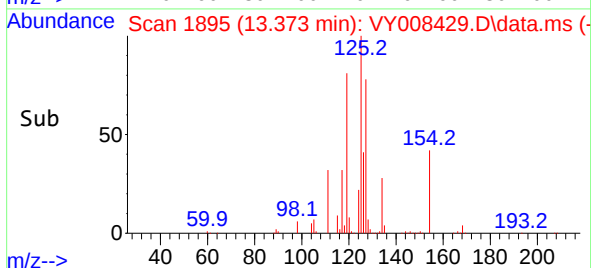
Reviewed By :Krupa Patel 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

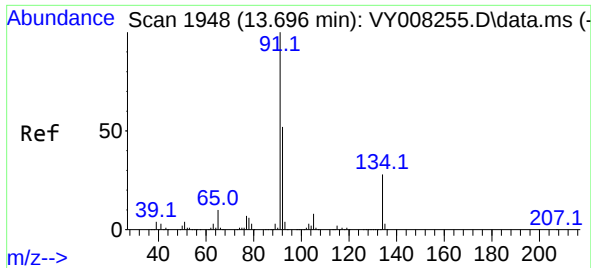


#86
 p-Isopropyltoluene
 Concen: 93.858 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY008429.D
 Acq: 20 Apr 2022 19:25



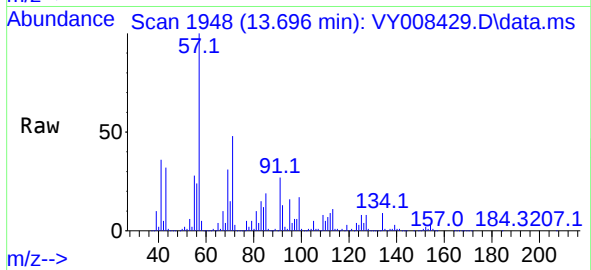
Tgt Ion:119 Resp: 217561
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.2 39.5
 91 28.2 12.4 37.2





#89
 n-Butylbenzene
 Concen: 96.117 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. 0.000 min
 Lab File: VY008429.D
 Acq: 20 Apr 2022 19:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-4



Tgt Ion: 91 Resp: 20129

Ion	Ratio	Lower	Upper
91	100		
92	74.3	26.3	78.9
134	0.0	13.0	38.9

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022

