

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
 Data File : VY007503.D
 Acq On : 15 Feb 2022 15:07
 Operator : SY/MD
 Sample : N1539-02
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 01:40:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.826	168	42084	50.000	ug/l	# 0.03
34) 1,4-Difluorobenzene	8.704	114	96631	50.000	ug/l	# 0.01
63) Chlorobenzene-d5	11.508	117	106406	50.000	ug/l	# 0.02
72) 1,4-Dichlorobenzene-d4	13.434	152	8178	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	30204	65.007	ug/l	0.02
Spiked Amount 50.000	Range 50 - 163		Recovery	= 130.020%		
35) Dibromofluoromethane	7.734	113	41446	68.013	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery	= 136.020%		
50) Toluene-d8	10.228	98	348389	150.524	ug/l	0.04
Spiked Amount 50.000	Range 49 - 140		Recovery	= 301.040%#		
62) 4-Bromofluorobenzene	12.496	95	105339	134.225	ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery	= 268.440%#		
Target Compounds						
						Qvalue
31) Cyclohexane	7.807	56	3851459	4687.407	ug/l #	62
39) Methylcyclohexane	9.210	83	5437340	4241.910	ug/l #	83
40) Benzene	8.179	78	147977	54.511	ug/l	93
52) Toluene	10.264	92	36507053m	20973.618	ug/l	
67) Ethyl Benzene	11.605	91	40711856m	9333.709	ug/l	
68) m/p-Xylenes	11.721	106	39464990m	23907.583	ug/l	
69) o-Xylene	12.057	106	27484214m	17596.019	ug/l	
73) Isopropylbenzene	12.349	105	5627819	7767.751	ug/l	99
78) n-propylbenzene	12.691	91	12611708	14465.865	ug/l	99
80) 1,3,5-Trimethylbenzene	12.831	105	10403351	17335.330	ug/l	99
84) 1,2,4-Trimethylbenzene	13.130	105	20334404m	34945.587	ug/l	
85) sec-Butylbenzene	13.264	105	612589	792.295	ug/l #	52
86) p-Isopropyltoluene	13.380	119	259130m	406.885	ug/l	
89) n-Butylbenzene	13.703	91	503235	830.924	ug/l #	61
95) Naphthalene	15.239	128	320593	921.411	ug/l	99

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

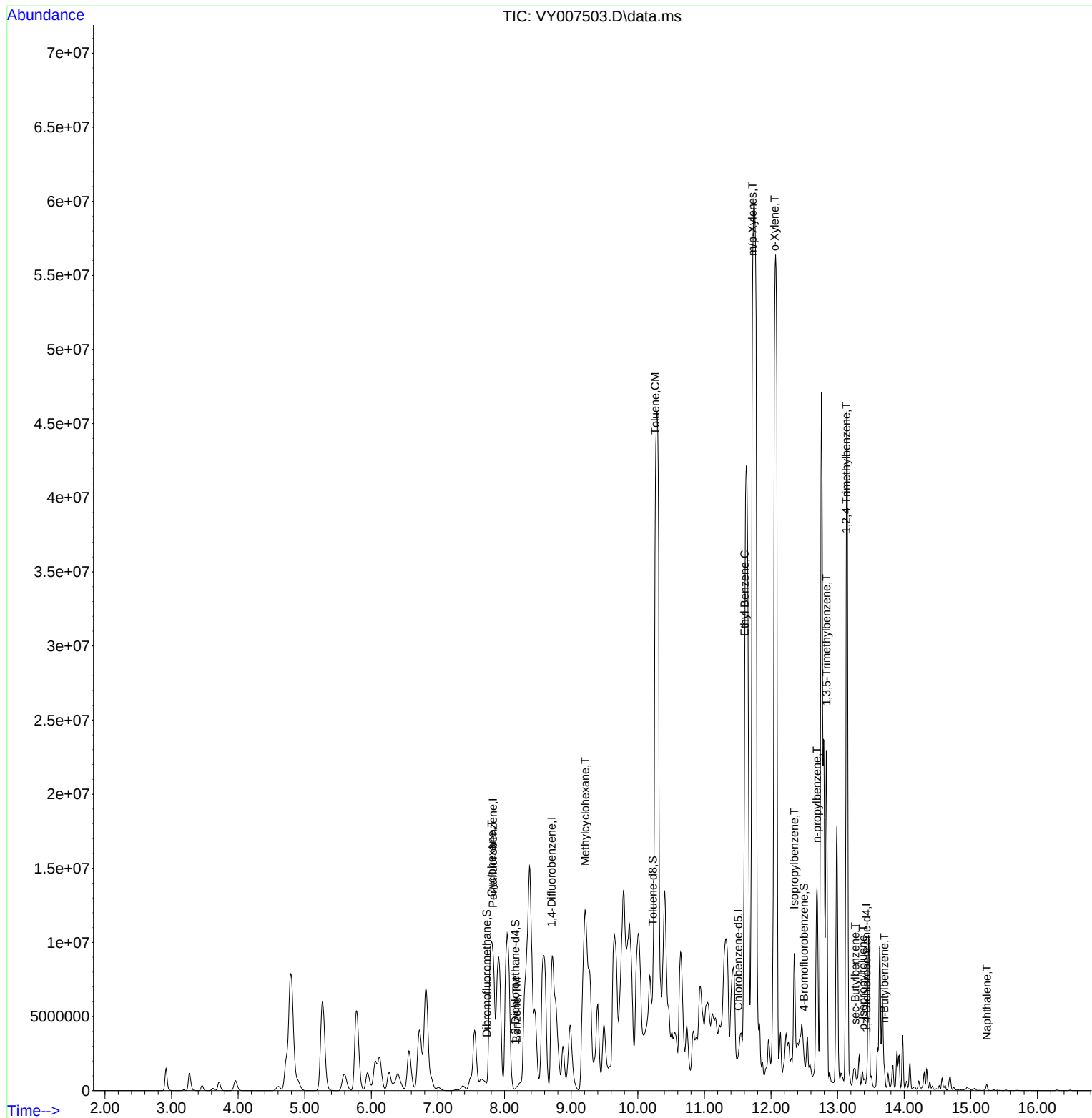
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
Data File : VY007503.D
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Operator : SY/MD
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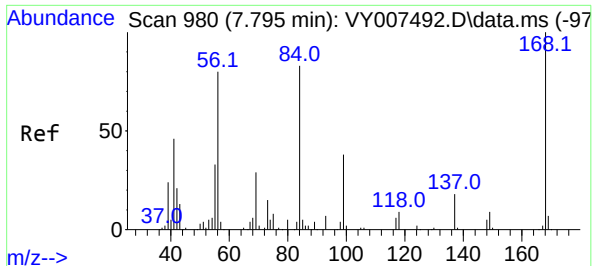
Instrument :
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Quant Title : SW846 8260
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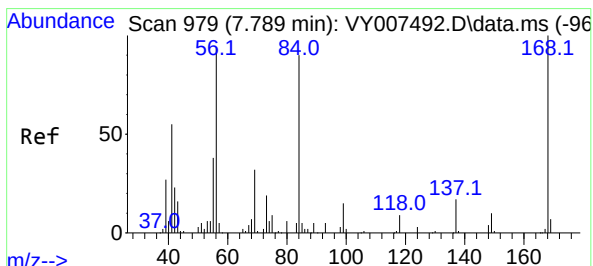
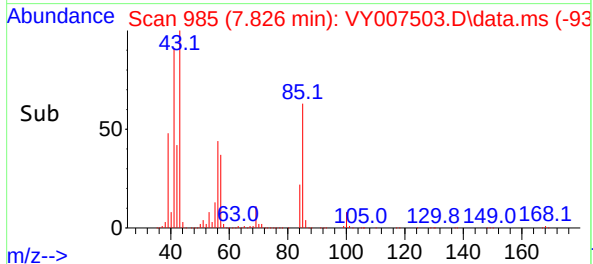
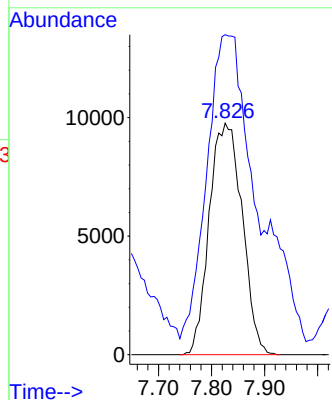
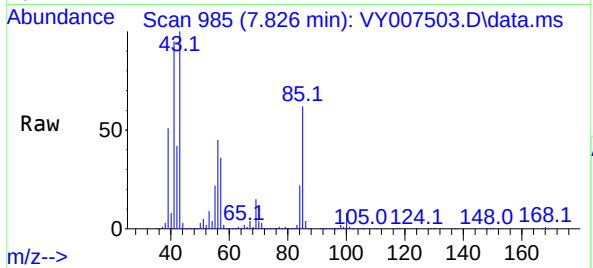
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.826 min Scan# 91
Delta R.T. 0.031 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
PE-2

Tgt Ion:168 Resp: 42084
Ion Ratio Lower Upper
168 100
99 131.3 46.9 70.3

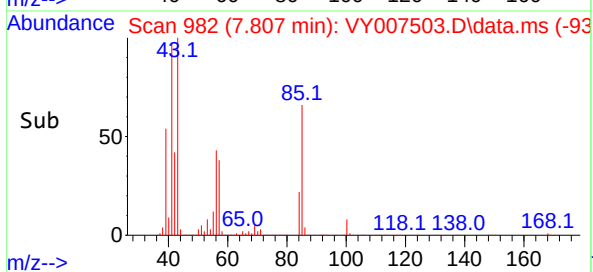
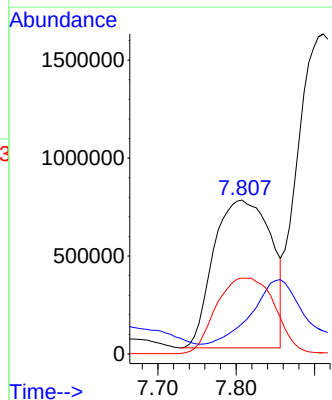
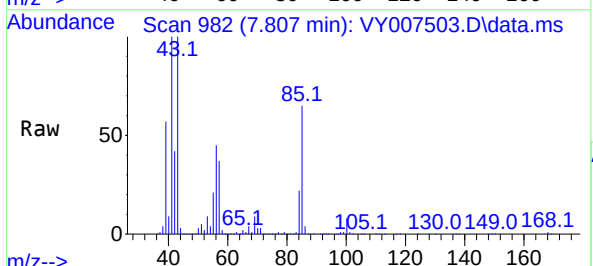
Manual Integrations
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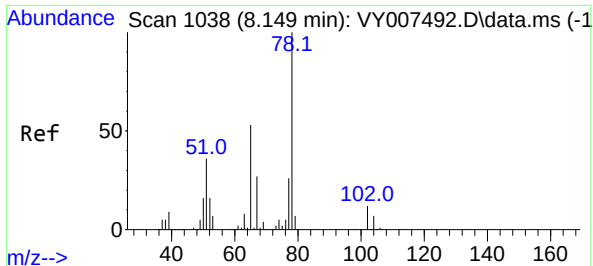
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022



#31
Cyclohexane
Concen: 4687.407 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.018 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

Tgt Ion: 56 Resp: 3851459
Ion Ratio Lower Upper
56 100
69 9.8 26.7 40.1#
84 51.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.007 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.018 min

Lab File: VY007503.D

Acq: 15 Feb 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

PE-2

Tgt Ion: 65 Resp: 30204

Ion Ratio Lower Upper

65 100

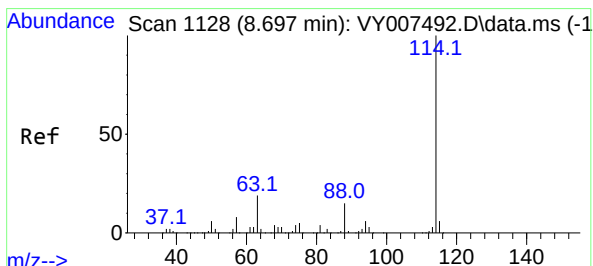
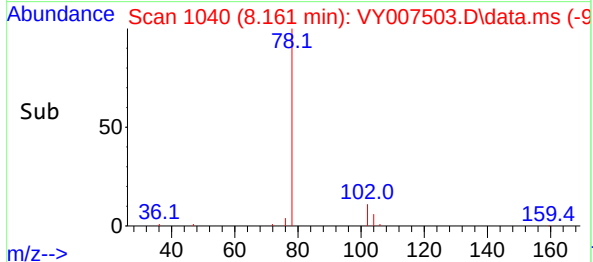
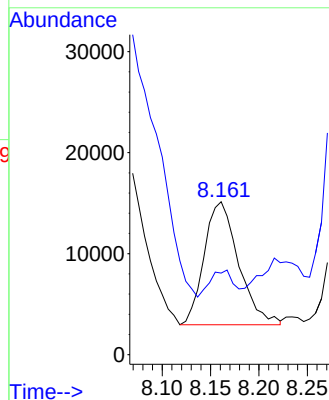
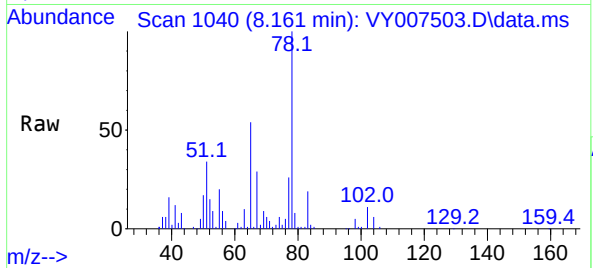
67 0.0 0.0 99.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.012 min

Lab File: VY007503.D

Acq: 15 Feb 2022 15:07

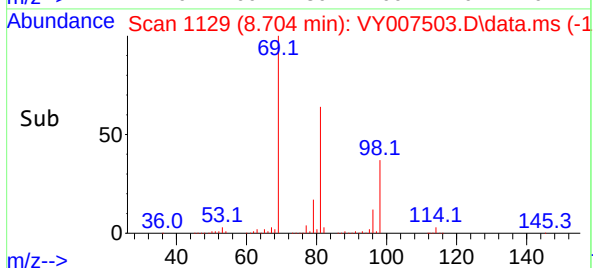
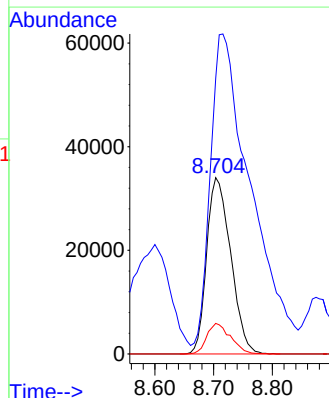
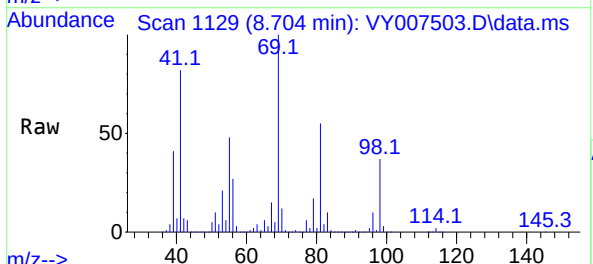
Tgt Ion:114 Resp: 96631

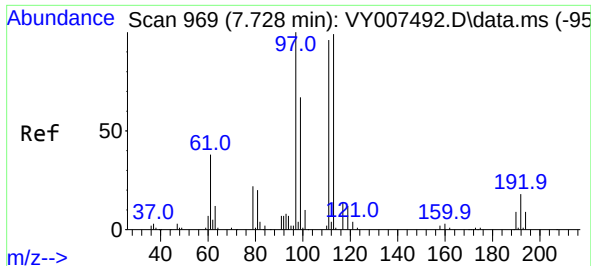
Ion Ratio Lower Upper

114 100

63 142.0 0.0 43.2#

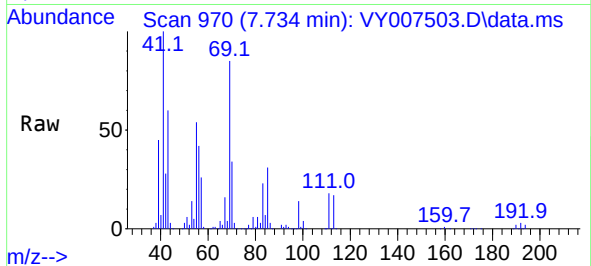
88 17.3 0.0 31.8





#35
Dibromofluoromethane
Concen: 68.013 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

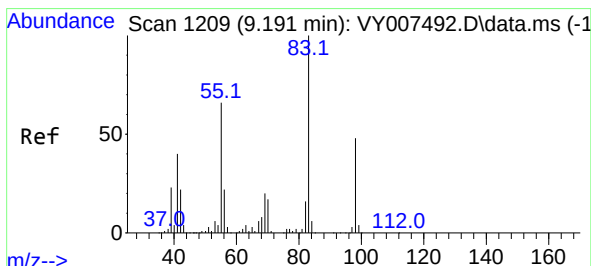
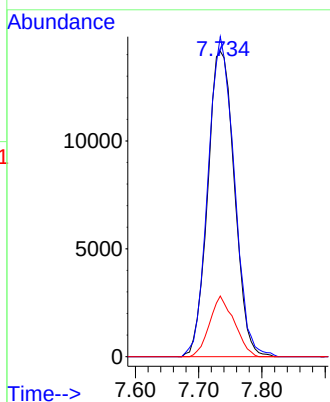
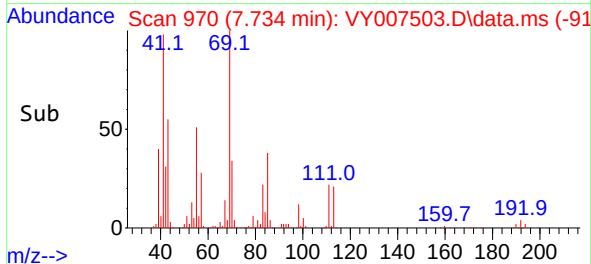
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



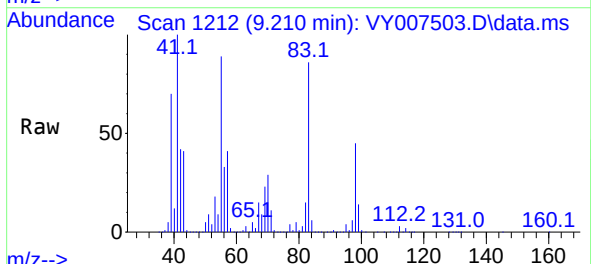
Tgt Ion:113 Resp: 41440
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.4 17.6 26.4

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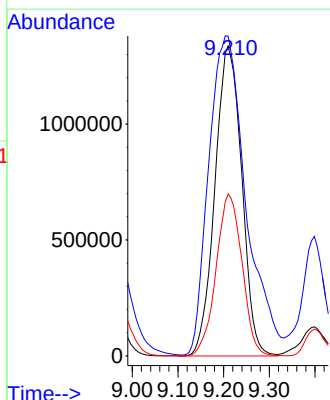
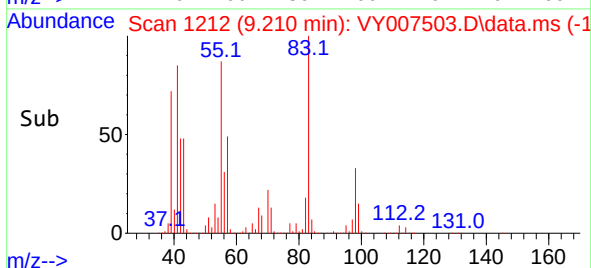
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

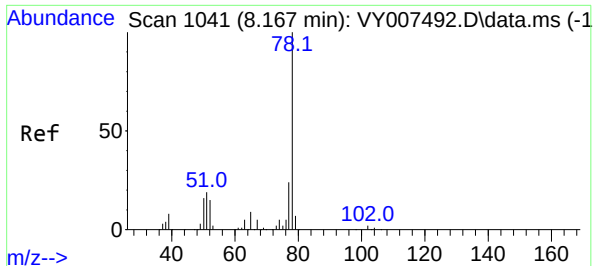


#39
Methylcyclohexane
Concen: 4241.910 ug/l
RT: 9.210 min Scan# 1212
Delta R.T. 0.025 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07



Tgt Ion: 83 Resp: 5437340
Ion Ratio Lower Upper
83 100
55 102.9 66.5 99.7#
98 52.3 37.9 56.9





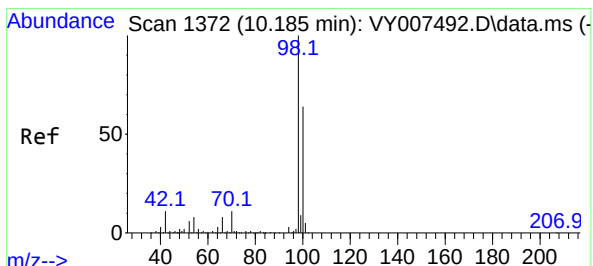
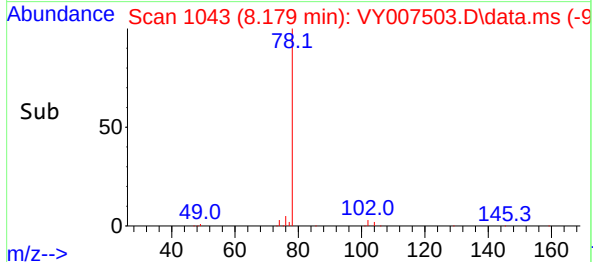
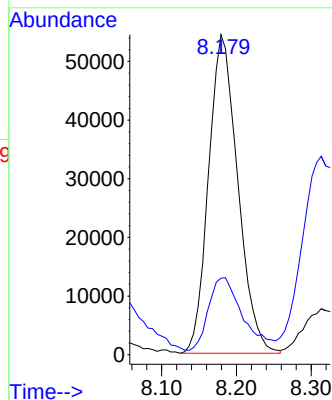
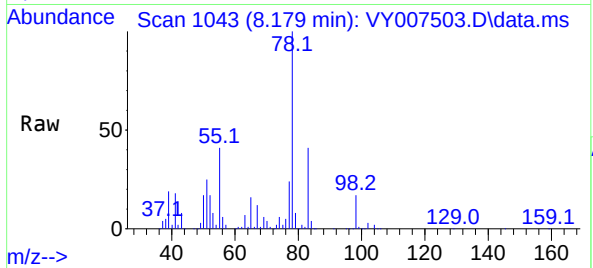
#40
Benzene
Concen: 54.511 ug/l
RT: 8.179 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
PE-2

Tgt Ion: 78 Resp: 14797
Ion Ratio Lower Upper
78 100
77 21.8 20.4 30.6

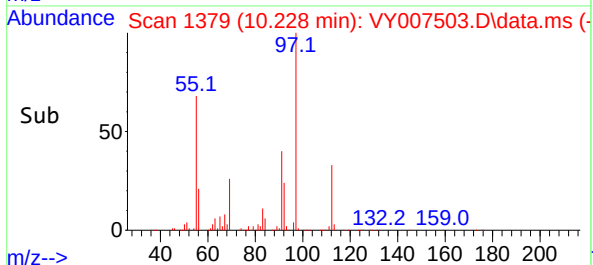
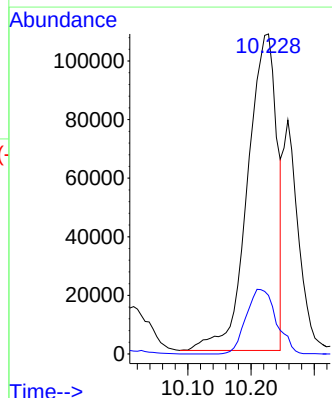
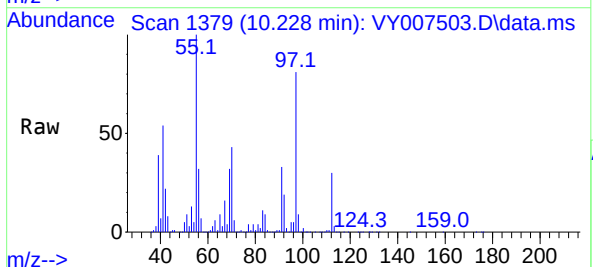
Manual Integrations
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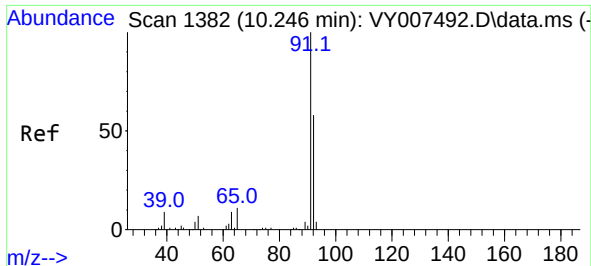
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022



#50
Toluene-d8
Concen: 150.524 ug/l
RT: 10.228 min Scan# 1379
Delta R.T. 0.043 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

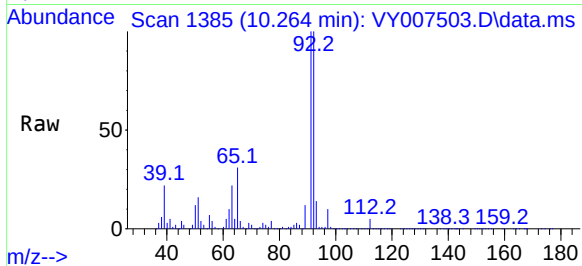
Tgt Ion: 98 Resp: 348389
Ion Ratio Lower Upper
98 100
100 21.1 50.2 75.2#





#52
Toluene
Concen: 20973.618 ug/l m
RT: 10.264 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

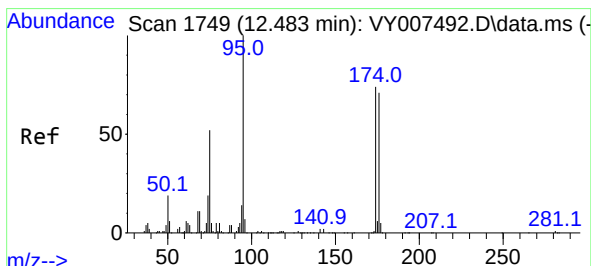
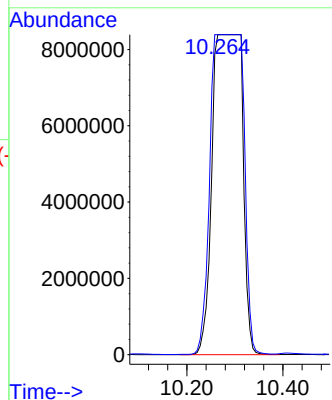
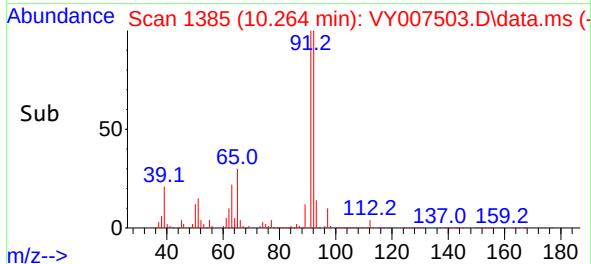
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



Tgt Ion: 92 Resp: 3650705
Ion Ratio Lower Upper
92 100
91 0.0 142.6 213.8

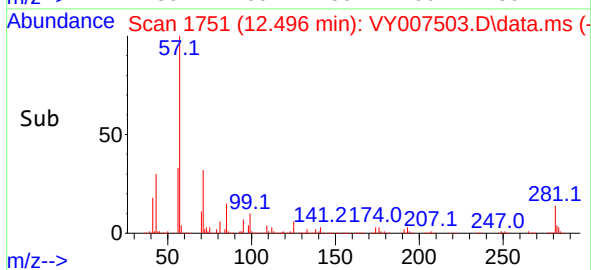
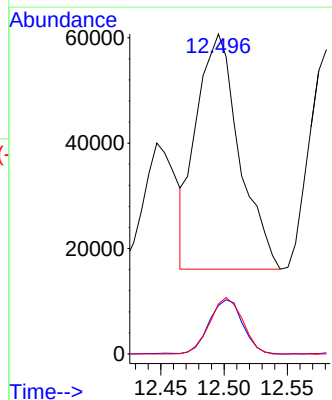
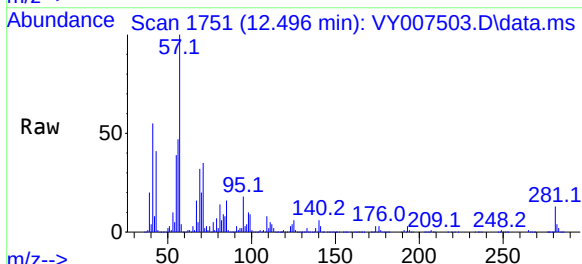
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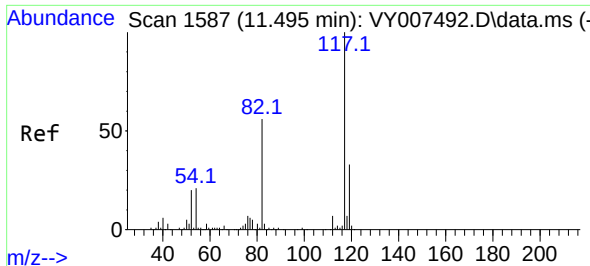
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022



#62
4-Bromofluorobenzene
Concen: 134.225 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.013 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

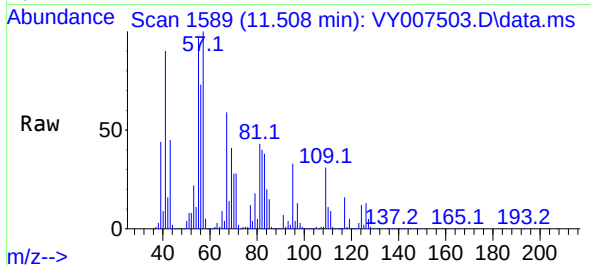
Tgt Ion: 95 Resp: 105339
Ion Ratio Lower Upper
95 100
174 18.3 0.0 177.0
176 18.4 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

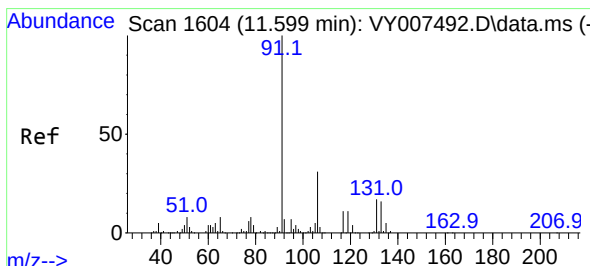
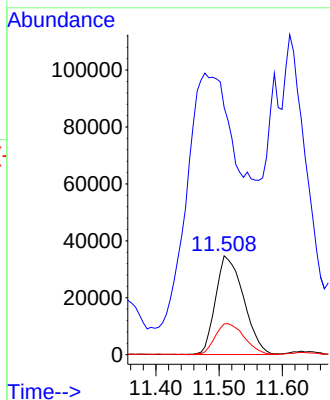
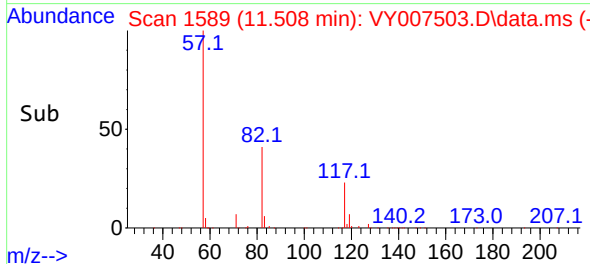
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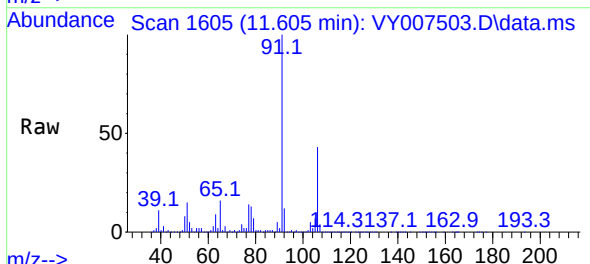
Tgt Ion:117 Resp: 106400
Ion Ratio Lower Upper
117 100
82 153.3 43.0 64.4
119 30.9 25.4 38.0

Manual Integrations
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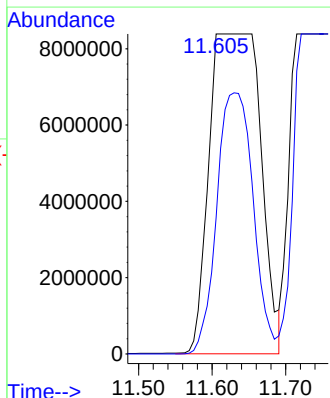
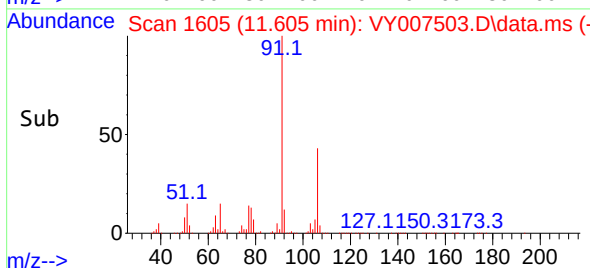
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

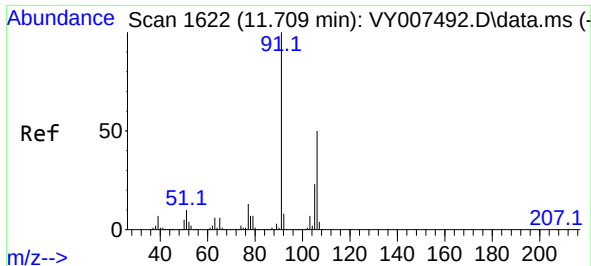


#67
Ethyl Benzene
Concen: 9333.709 ug/l m
RT: 11.605 min Scan# 1605
Delta R.T. 0.012 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07



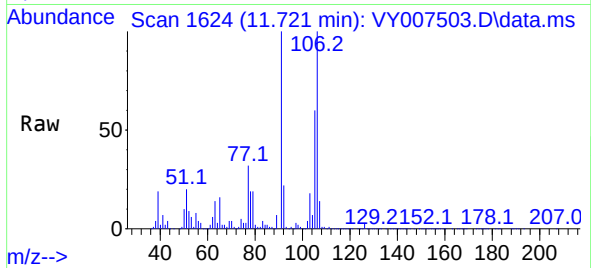
Tgt Ion: 91 Resp:40711856
Ion Ratio Lower Upper
91 100
106 42.6 24.5 36.7#





#68
m/p-Xylenes
Concen: 23907.583 ug/l m
RT: 11.721 min Scan# 1624
Delta R.T. 0.018 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

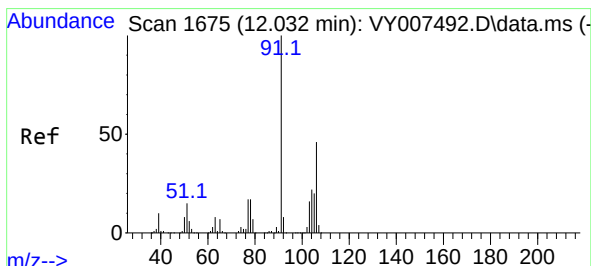
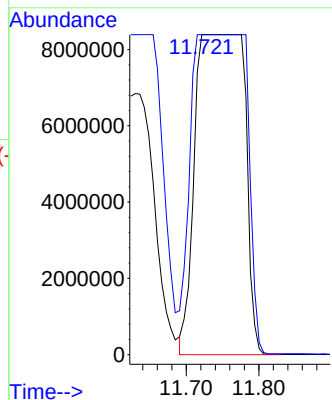
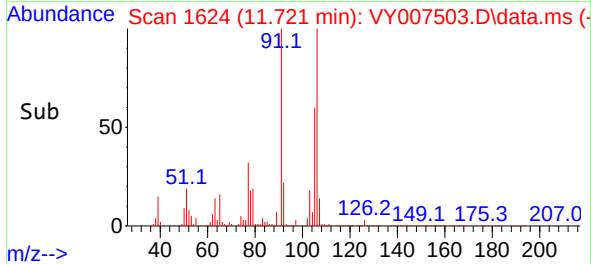
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



Tgt Ion:106 Resp:39464990
Ion Ratio Lower Upper
106 100
91 7.5 166.6 249.8

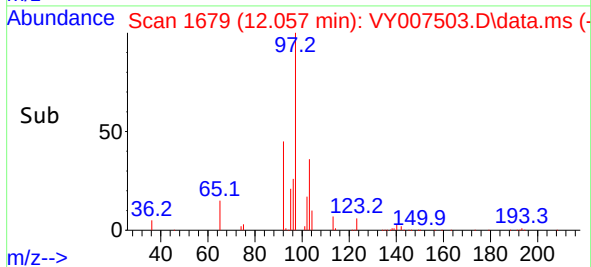
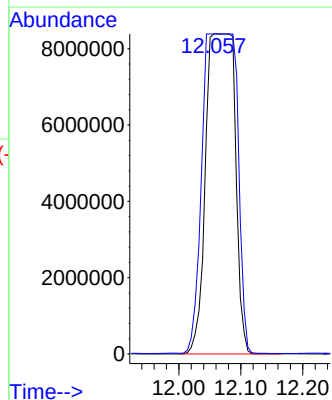
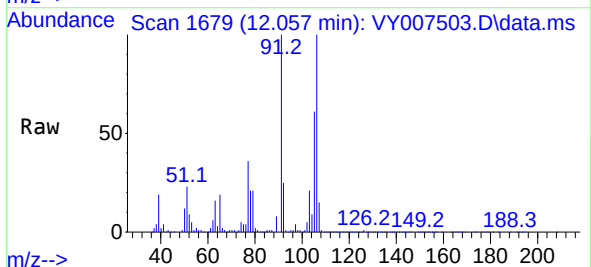
Manual Integrations
APPROVED

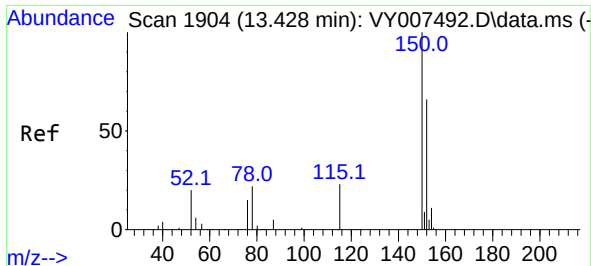
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022



#69
o-Xylene
Concen: 17596.019 ug/l m
RT: 12.057 min Scan# 1679
Delta R.T. 0.025 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

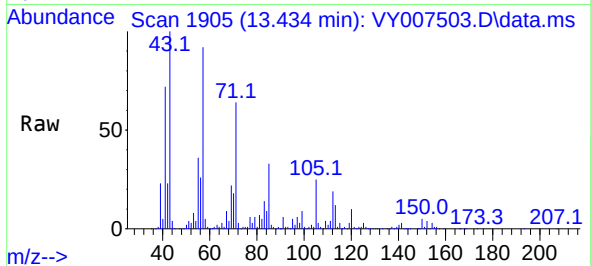
Tgt Ion:106 Resp:27484214
Ion Ratio Lower Upper
106 100
91 0.0 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.012 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

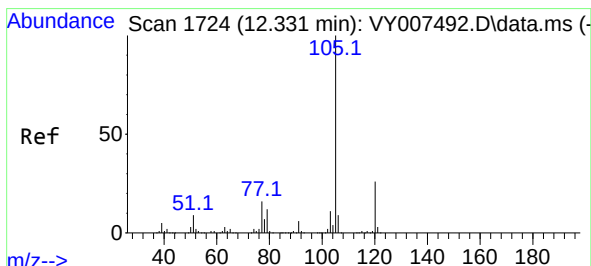
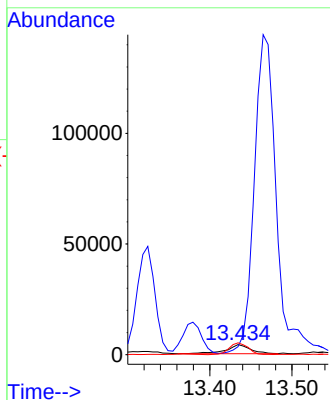
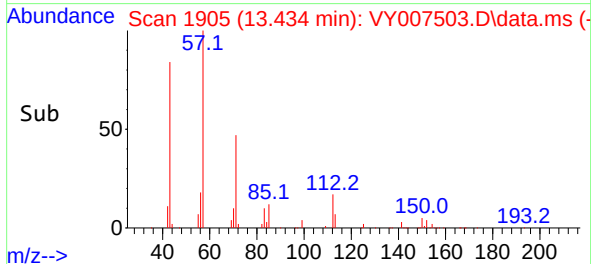
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



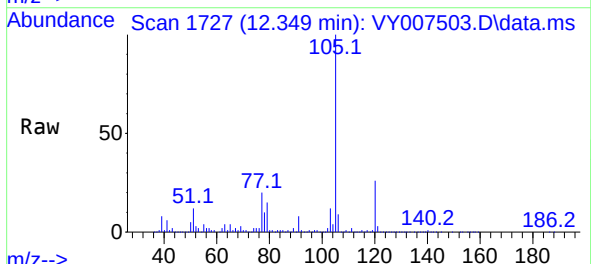
Tgt Ion:152 Resp: 8178
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 106.4 0.0 347.6

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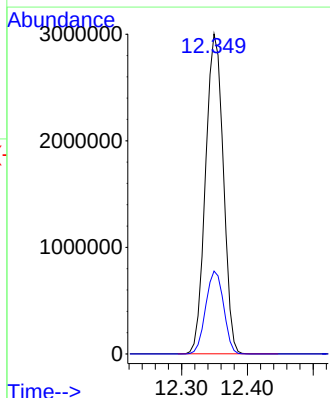
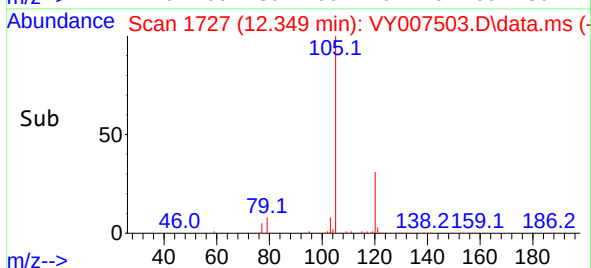
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

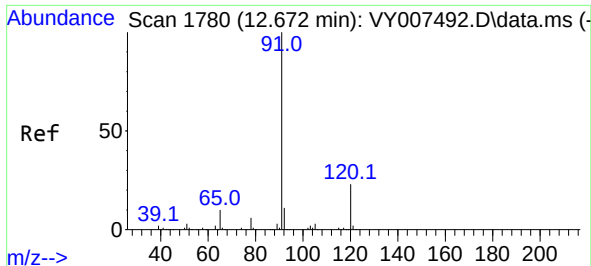


#73
Isopropylbenzene
Concen: 7767.751 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.018 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07



Tgt Ion:105 Resp: 5627819
Ion Ratio Lower Upper
105 100
120 26.2 13.4 40.2





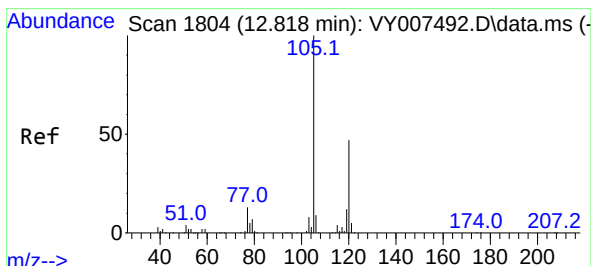
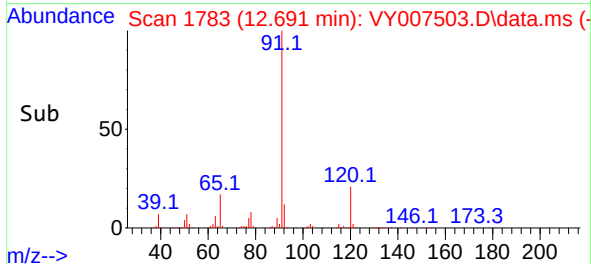
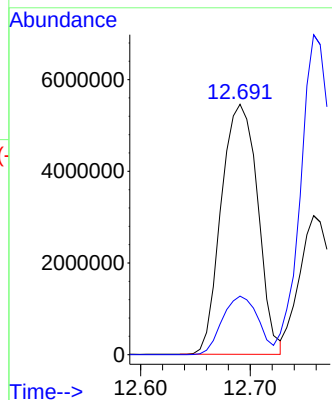
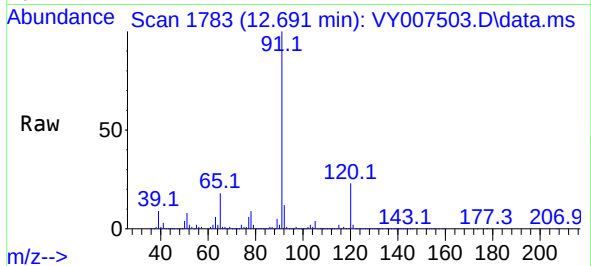
#78
n-propylbenzene
Concen: 14465.865 ug/l
RT: 12.691 min Scan# 1783
Delta R.T. 0.019 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
PE-2

Tgt Ion: 91 Resp:12611708
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.9

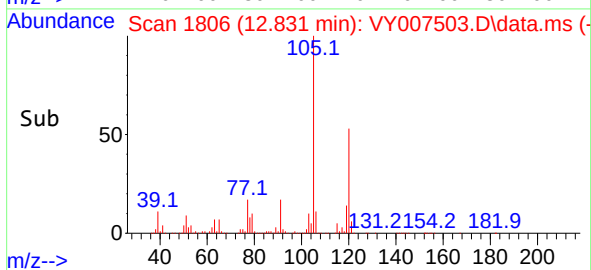
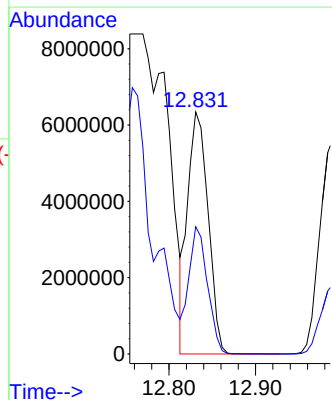
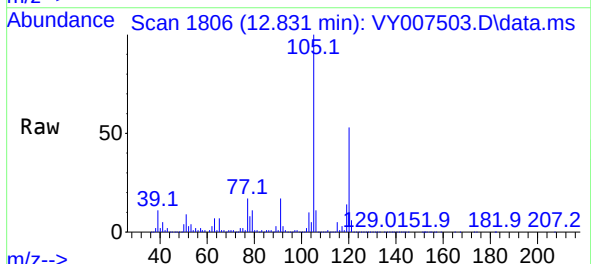
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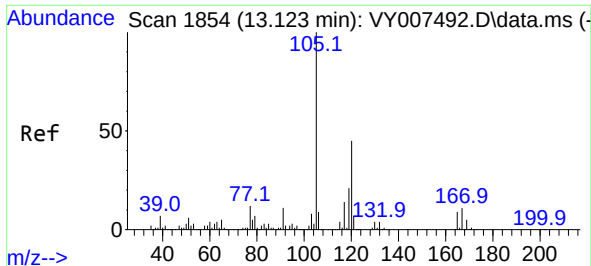
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022



#80
1,3,5-Trimethylbenzene
Concen: 17335.330 ug/l
RT: 12.831 min Scan# 1806
Delta R.T. 0.019 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

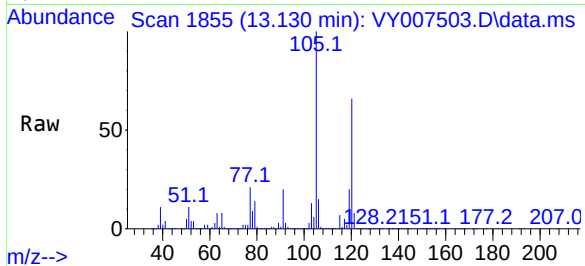
Tgt Ion:105 Resp:10403351
Ion Ratio Lower Upper
105 100
120 48.5 24.4 73.4





#84
1,2,4-Trimethylbenzene
Concen: 34945.587 ug/l m
RT: 13.130 min Scan# 1855
Delta R.T. 0.013 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

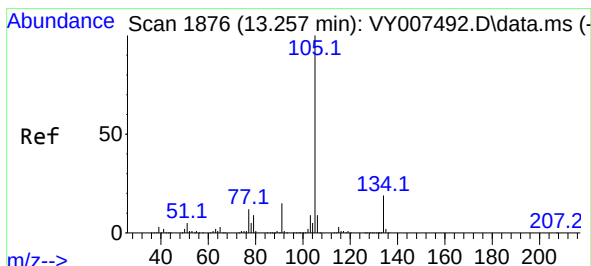
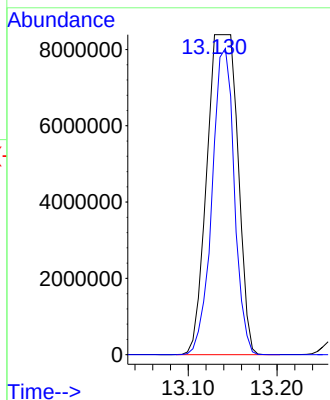
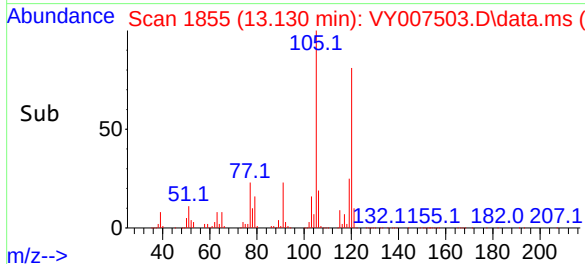
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



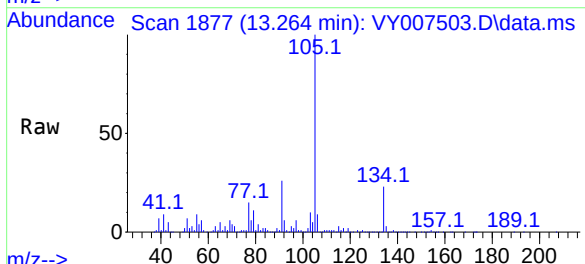
Tgt Ion:105 Resp:2033440
Ion Ratio Lower Upper
105 100
120 16.5 22.3 66.9

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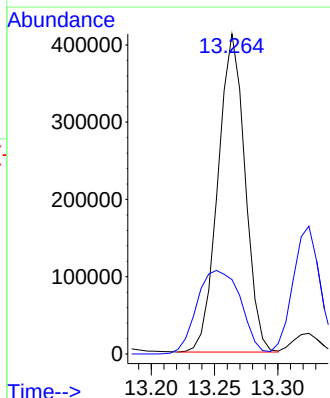
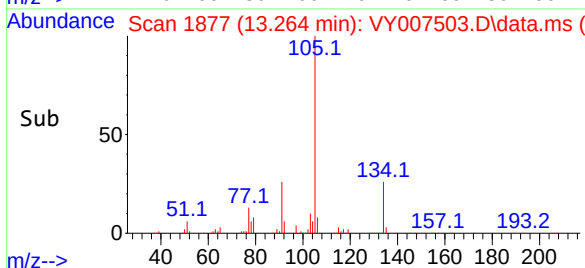
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

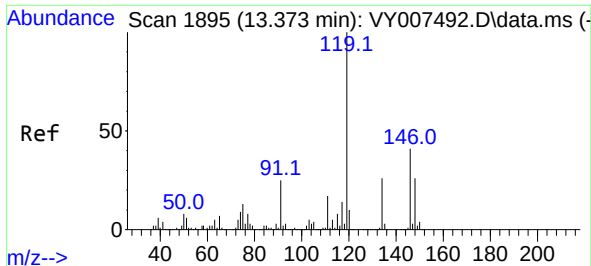


#85
sec-Butylbenzene
Concen: 792.295 ug/l
RT: 13.264 min Scan# 1877
Delta R.T. 0.013 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07



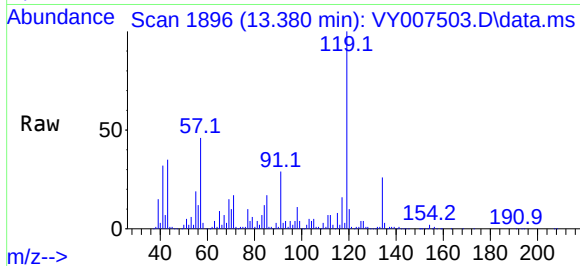
Tgt Ion:105 Resp: 612589
Ion Ratio Lower Upper
105 100
134 42.6 10.2 30.4





#86
p-Isopropyltoluene
Concen: 406.885 ug/l m
RT: 13.380 min Scan# 1895
Delta R.T. 0.013 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

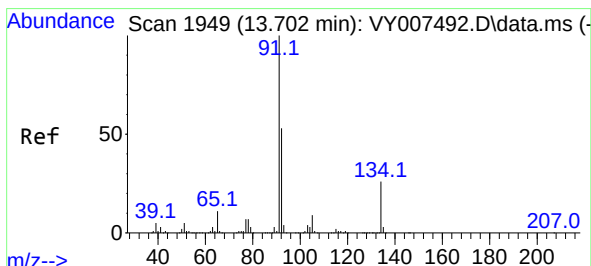
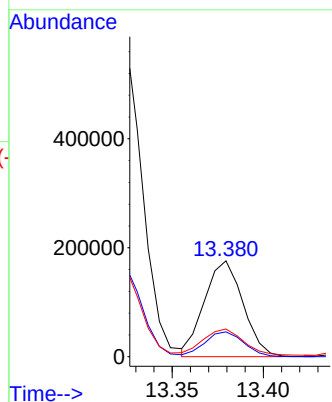
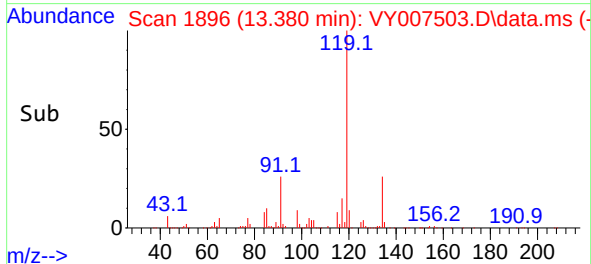
Instrument :
MSVOA_Y
ClientSampleId :
PE-2



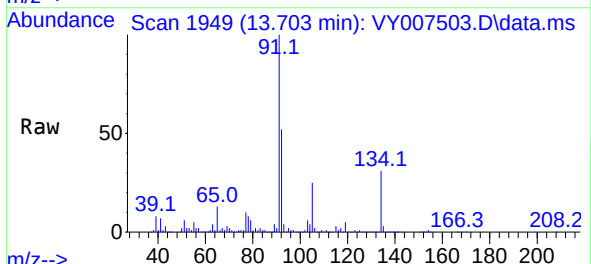
Tgt Ion:119 Resp: 259130
Ion Ratio Lower Upper
119 100
134 95.4 13.2 39.5
91 87.6 12.4 37.2

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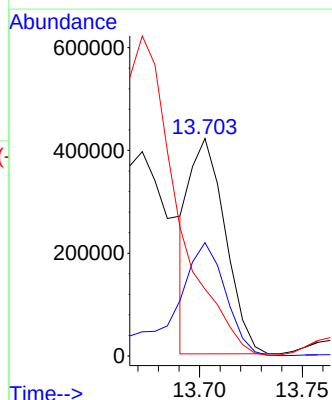
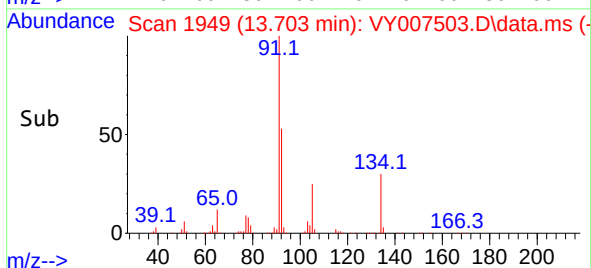
Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

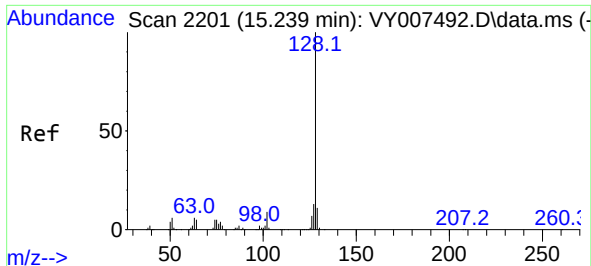


#89
n-Butylbenzene
Concen: 830.924 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07



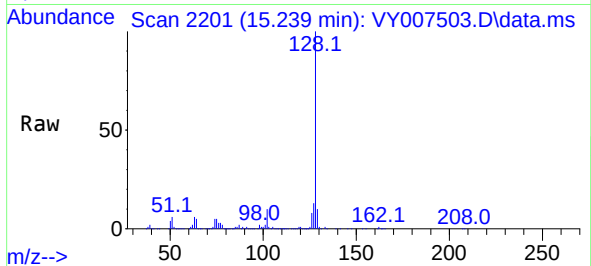
Tgt Ion: 91 Resp: 503235
Ion Ratio Lower Upper
91 100
92 75.7 26.3 78.9
134 0.0 13.0 38.9





#95
Naphthalene
Concen: 921.411 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY007503.D
Acq: 15 Feb 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
PE-2



Tgt Ion:128 Resp: 32059
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.4
129 10.7 8.4 12.6

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Reviewed By :John Carlone 02/16/2022
Supervised By :Mahesh Dadoda 02/21/2022

