

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008402.D
 Acq On : 19 Apr 2022 17:40
 Operator : KP/MD
 Sample : N2431-05RE
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-2-1-GRRE

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 19 18:03:51 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	86058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	85336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	41295	51.085	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.160%			
35) Dibromofluoromethane	7.716	113	44228	53.536	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.080%			
50) Toluene-d8	10.179	98	155668	55.067	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.140%			
62) 4-Bromofluorobenzene	12.483	95	32304	30.382	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 60.760%			
Target Compounds					Qvalue	
16) Acetone	3.948	43	8320	42.792	ug/l	91
17) Carbon Disulfide	4.198	76	12065	5.388	ug/l	96
31) Cyclohexane	7.783	56	27160	18.580	ug/l #	80
39) Methylcyclohexane	9.179	83	55381m	32.627	ug/l	
40) Benzene	8.161	78	14718	3.747	ug/l	96
52) Toluene	10.246	92	29141	11.259	ug/l	96
67) Ethyl Benzene	11.593	91	39589	12.579	ug/l	96
68) m/p-Xylenes	11.697	106	60673	48.475	ug/l	92
69) o-Xylene	12.032	106	48220	39.700	ug/l	92
73) Isopropylbenzene	12.331	105	13960	10.061	ug/l	97
78) n-propylbenzene	12.672	91	22877	13.972	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	57699	50.712	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	188859	167.727	ug/l	98
85) sec-Butylbenzene	13.251	105	8805	5.819	ug/l	81
86) p-Isopropyltoluene	13.373	119	108638	86.030	ug/l	99
89) n-Butylbenzene	13.702	91	13300	11.657	ug/l #	77
95) Naphthalene	15.239	128	56575	74.534	ug/l #	95

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

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Supervised By :Mahesh Dadoda 04/20/2022

Abundance

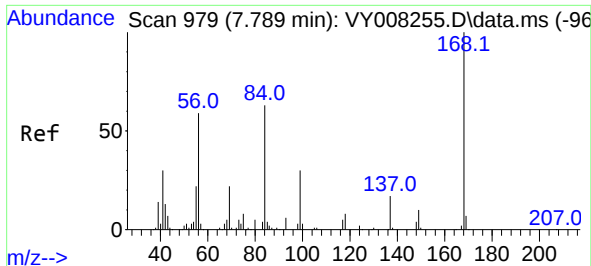
TIC: VY008402.D\data.ms

Time-->

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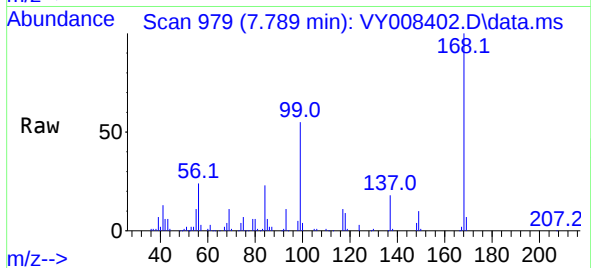
Acetone, T
Carbon Disulfide, T

Dibromofluoromethane, S
Chlorobenzene, I
Benzene, T
Chloroethane-d4, S
1,4-Difluorobenzene, I
Methylcyclohexane, T
Toluene-d8, S
Toluene, CM
Ethyl Benzene, C
Chlorobenzene-d5, I
o-Xylene, T
Isopropylbenzene, T
n-Propylbenzene, T
1,2,4-Trimethylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene-d4
Isopropyltoluene, T
n-Butylbenzene, T
Naphthalene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

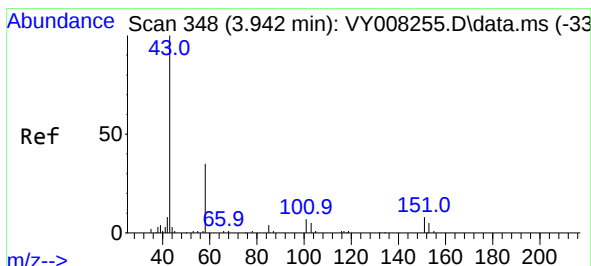
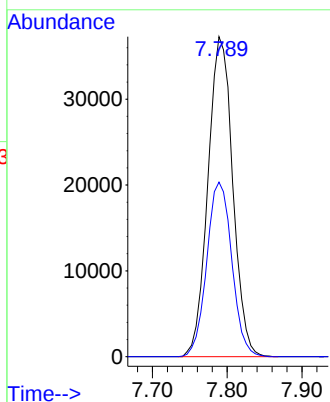
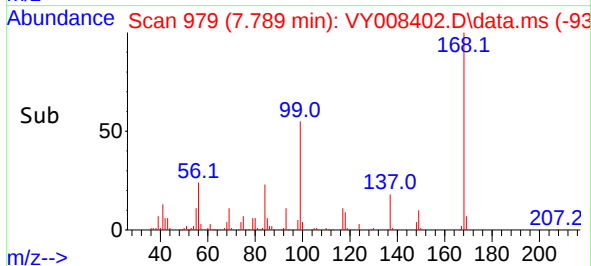
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



Tgt Ion:168 Resp: 86058
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3

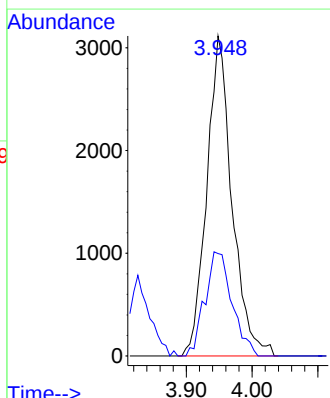
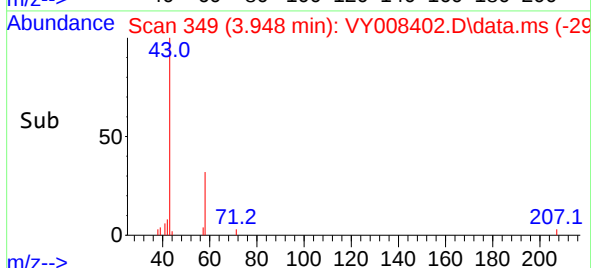
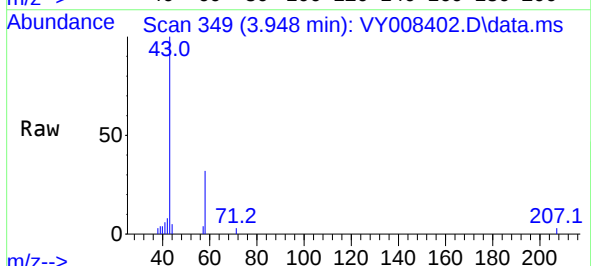
Manual Integrations
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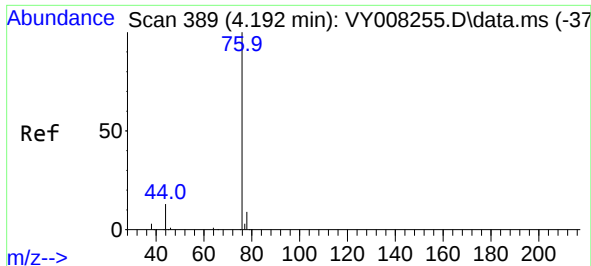
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#16
Acetone
Concen: 42.792 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

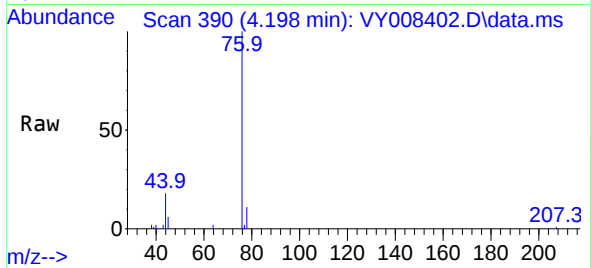
Tgt Ion: 43 Resp: 8320
Ion Ratio Lower Upper
43 100
58 32.0 22.0 33.0





#17
Carbon Disulfide
Concen: 5.388 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

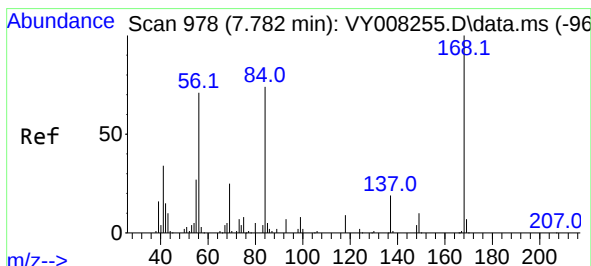
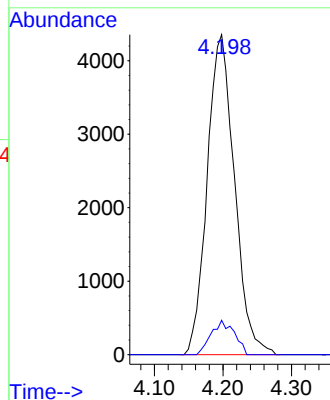
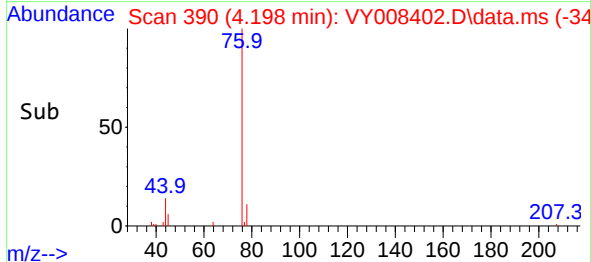
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



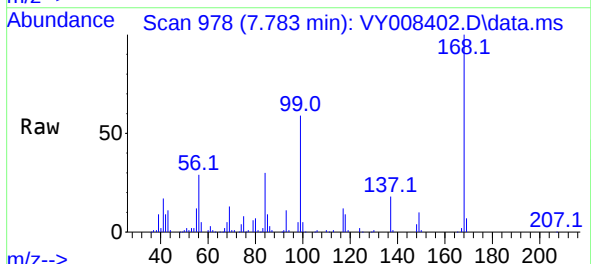
Tgt Ion: 76 Resp: 1206
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

Manual Integrations
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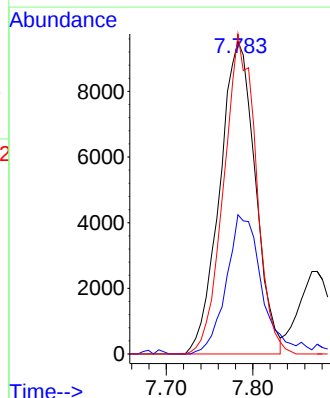
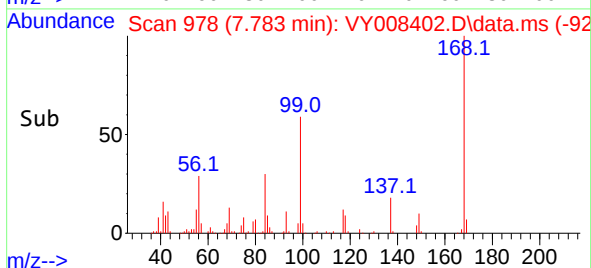
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

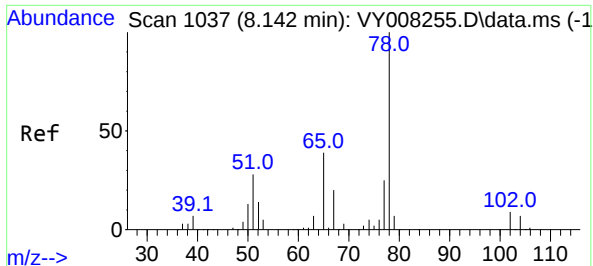


#31
Cyclohexane
Concen: 18.580 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40



Tgt Ion: 56 Resp: 27160
Ion Ratio Lower Upper
56 100
69 44.6 26.7 40.1#
84 102.4 67.2 100.8#





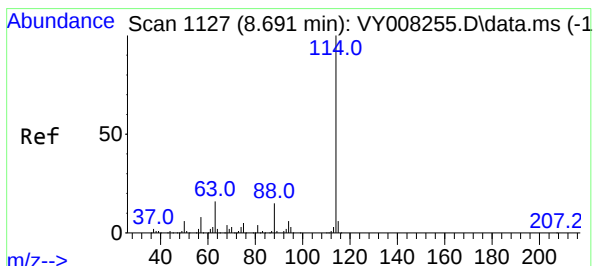
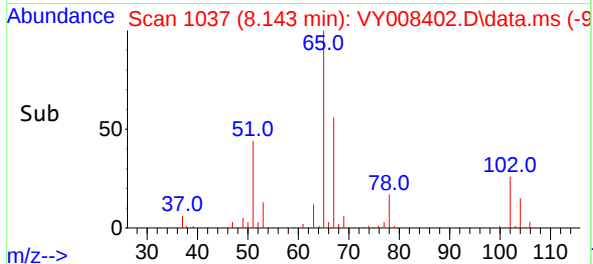
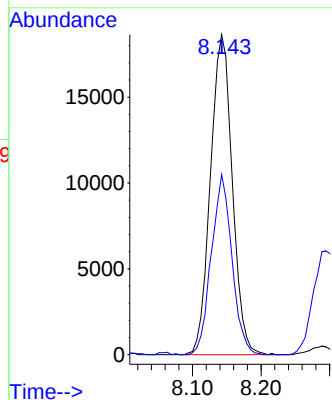
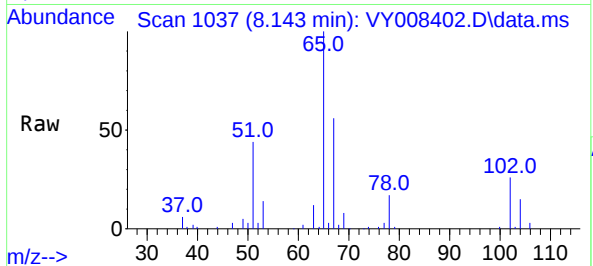
#33
1,2-Dichloroethane-d4
Concen: 51.085 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE

Tgt Ion: 65 Resp: 41295
Ion Ratio Lower Upper
65 100
67 53.1 0.0 99.4

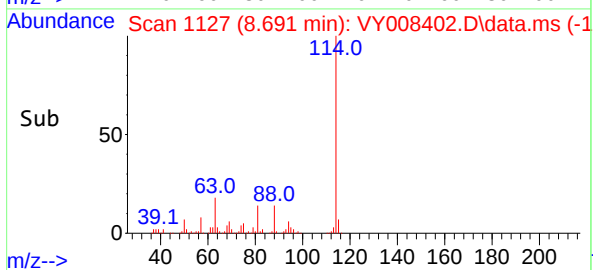
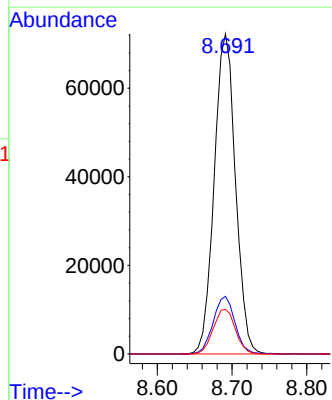
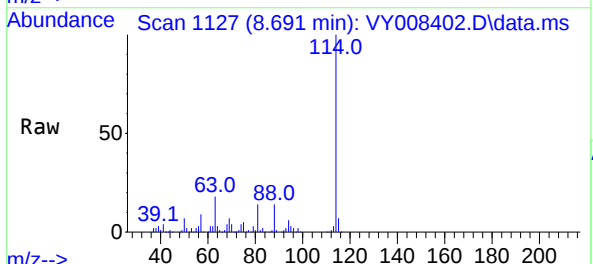
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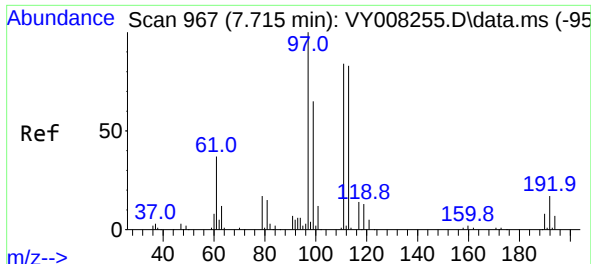
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

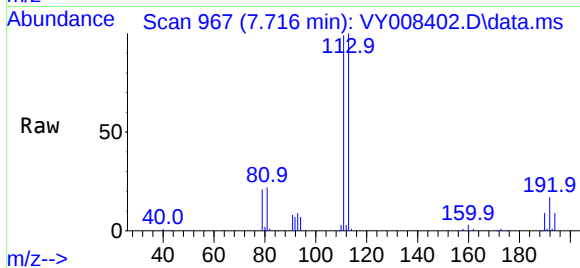
Tgt Ion:114 Resp: 143033
Ion Ratio Lower Upper
114 100
63 18.0 0.0 43.2
88 13.9 0.0 31.8





#35
Dibromofluoromethane
Concen: 53.536 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

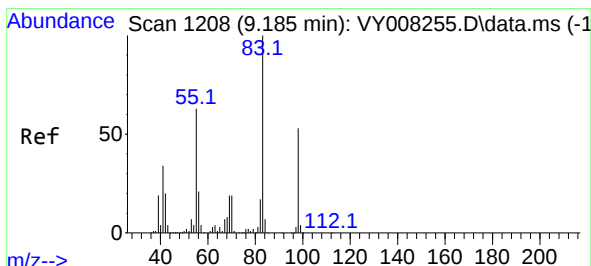
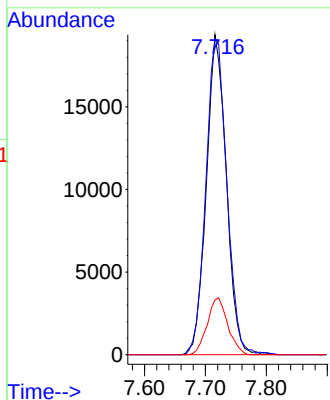
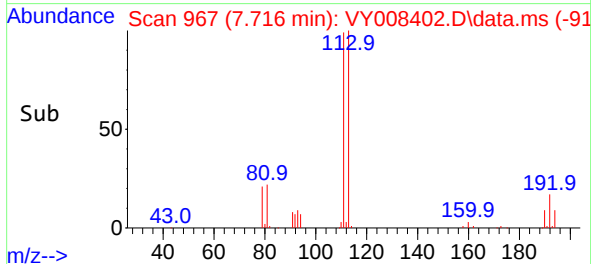
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



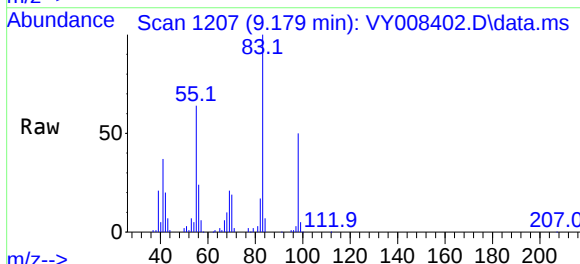
Tgt Ion: 113 Resp: 44228
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 18.1 17.6 26.4

Manual Integrations
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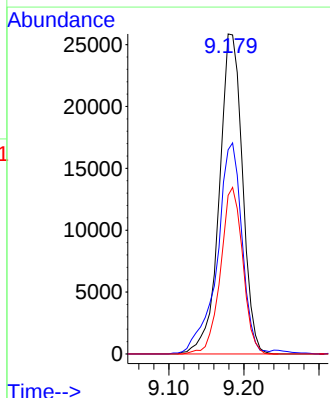
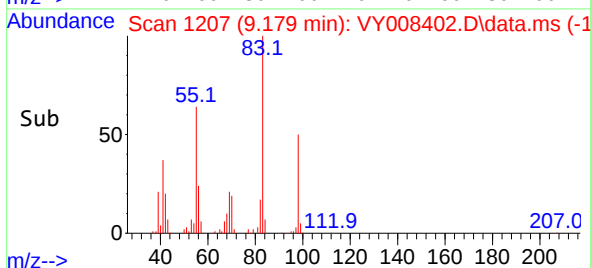
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

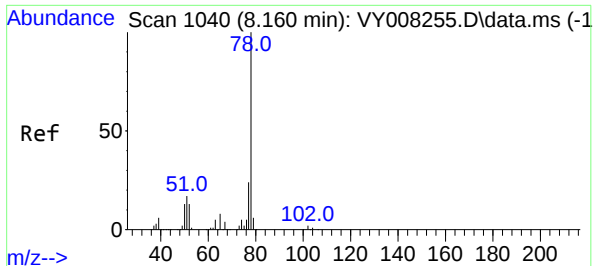


#39
Methylcyclohexane
Concen: 32.627 ug/l m
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40



Tgt Ion: 83 Resp: 55381
Ion Ratio Lower Upper
83 100
55 63.8 66.5 99.7#
98 49.6 37.9 56.9





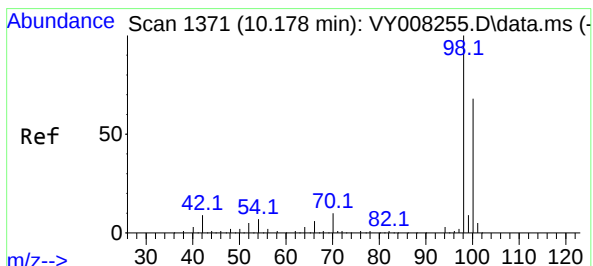
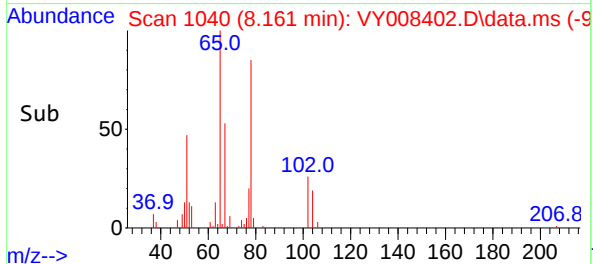
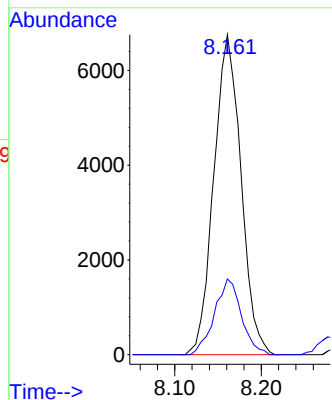
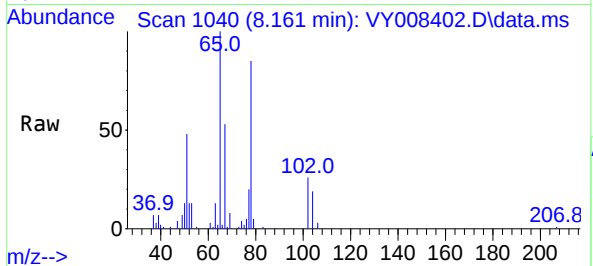
#40
Benzene
Concen: 3.747 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE

Tgt Ion: 78 Resp: 14718
Ion Ratio Lower Upper
78 100
77 23.7 20.4 30.6

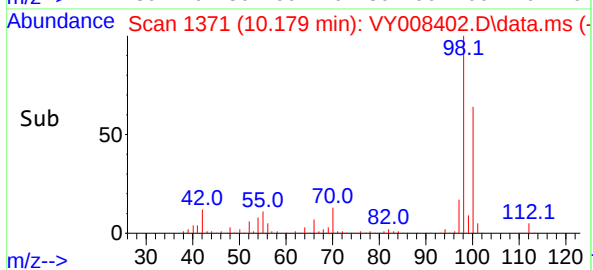
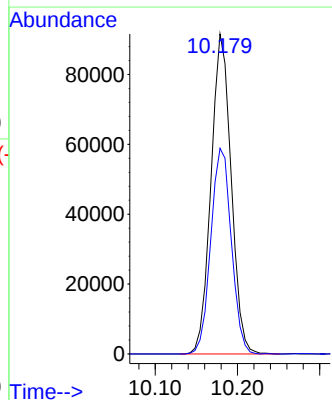
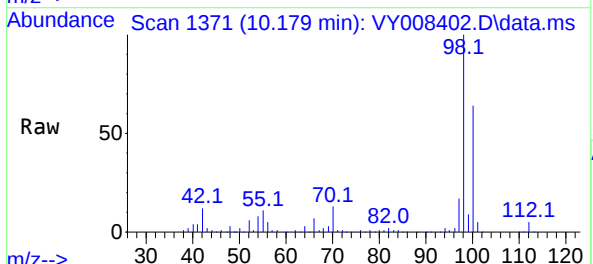
Manual Integrations
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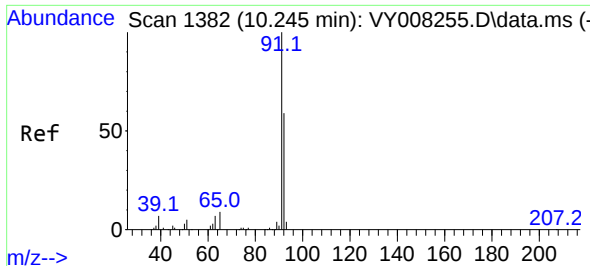
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#50
Toluene-d8
Concen: 55.067 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

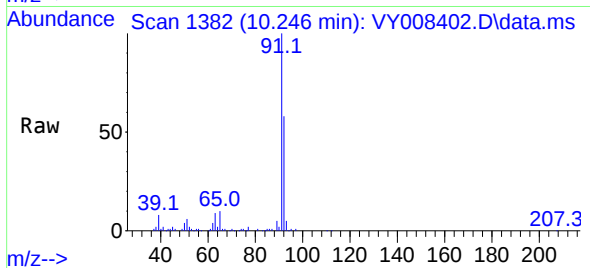
Tgt Ion: 98 Resp: 155668
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2





#52
Toluene
Concen: 11.259 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

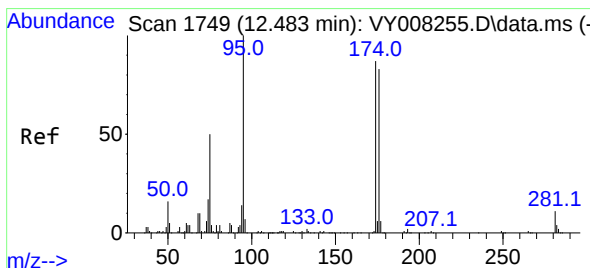
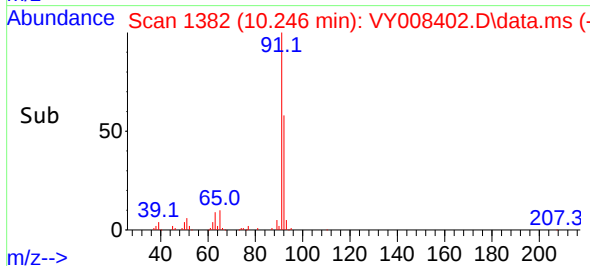
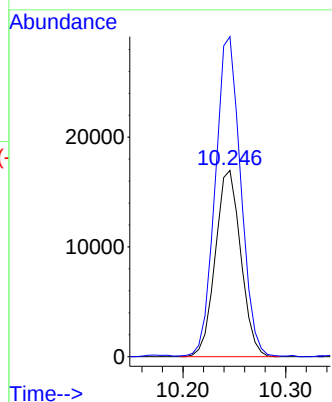
Instrument :
MSVOA_Y
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WC-15-2-1-GRRE



Tgt Ion: 92 Resp: 2914
Ion Ratio Lower Upper
92 100
91 172.7 142.6 213.8

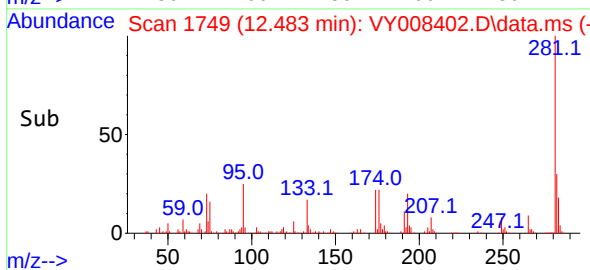
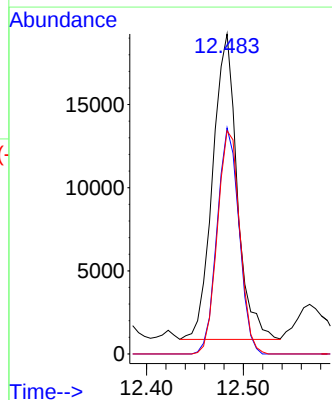
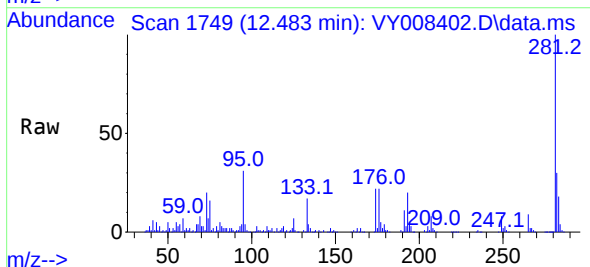
Manual Integrations
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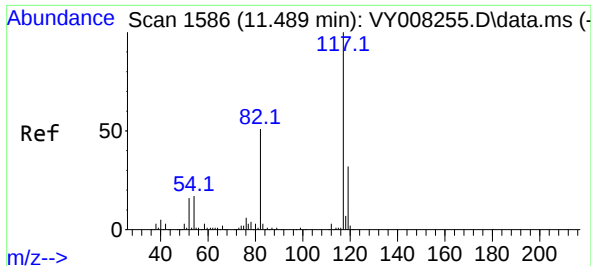
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#62
4-Bromofluorobenzene
Concen: 30.382 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Tgt Ion: 95 Resp: 32304
Ion Ratio Lower Upper
95 100
174 66.1 0.0 177.0
176 66.7 0.0 175.8





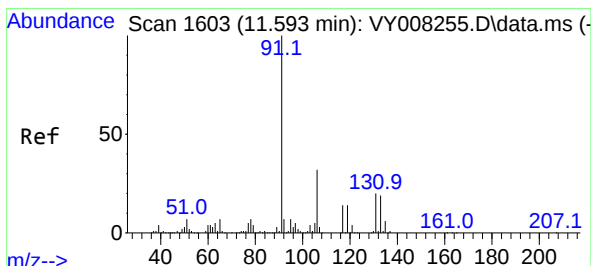
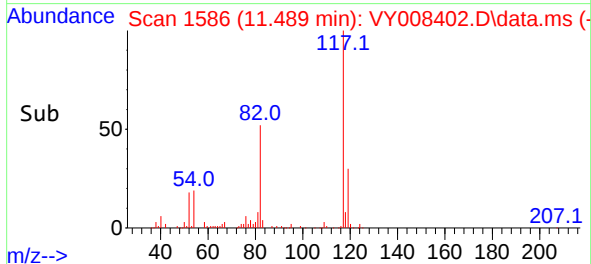
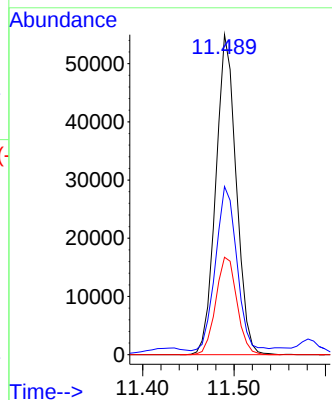
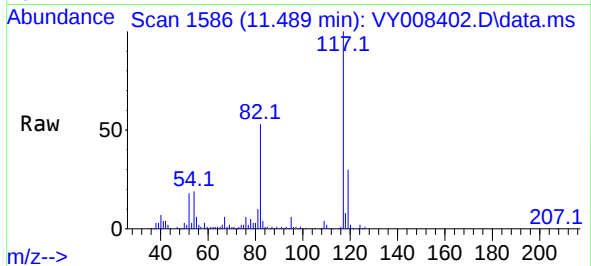
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Instrument :
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Tgt Ion: 117 Resp: 85330
Ion Ratio Lower Upper
117 100
82 50.9 43.0 64.4
119 30.4 25.4 38.0

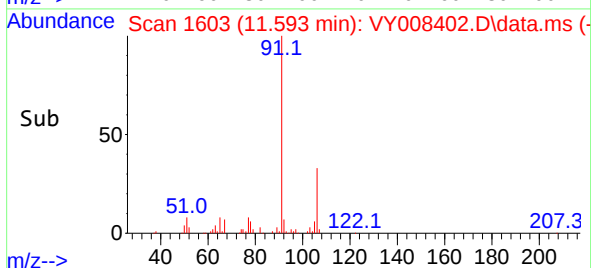
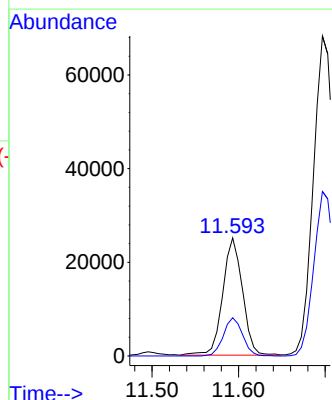
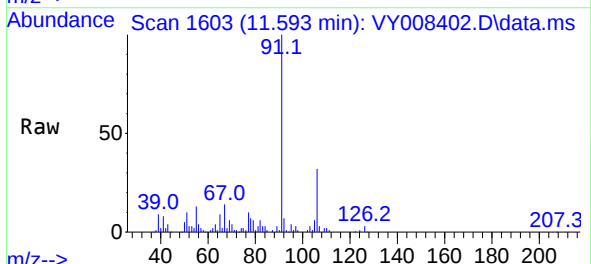
Manual Integrations
APPROVED

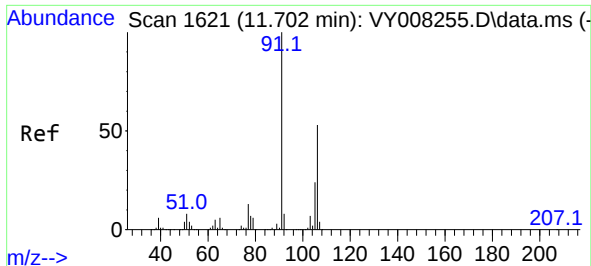
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#67
Ethyl Benzene
Concen: 12.579 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

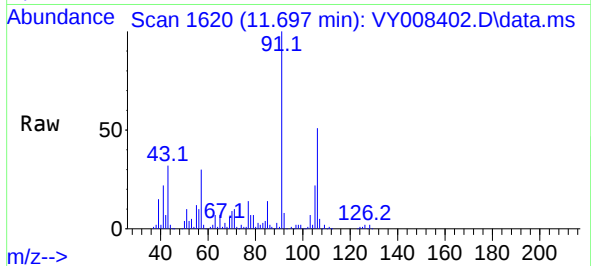
Tgt Ion: 91 Resp: 39589
Ion Ratio Lower Upper
91 100
106 32.6 24.5 36.7





#68
m/p-Xylenes
Concen: 48.475 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.005 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

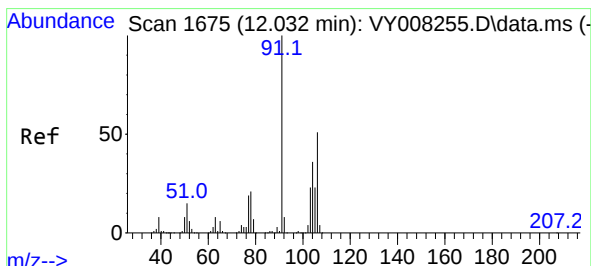
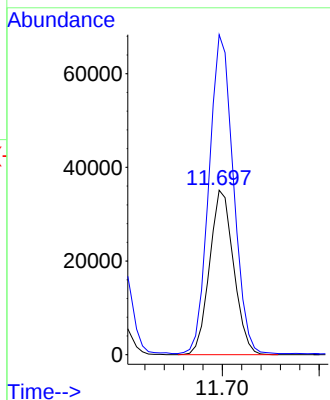
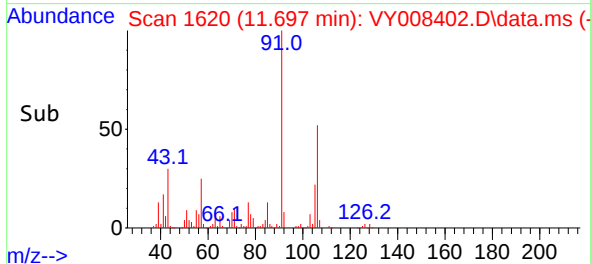
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



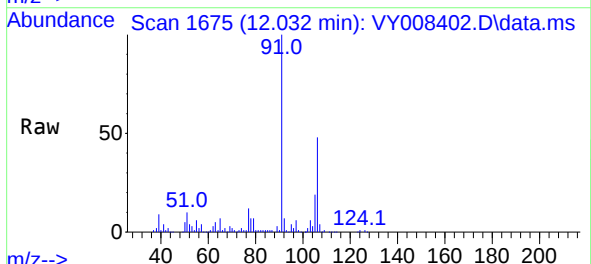
Tgt Ion:106 Resp: 6067
Ion Ratio Lower Upper
106 100
91 195.9 166.6 249.8

Manual Integrations
APPROVED

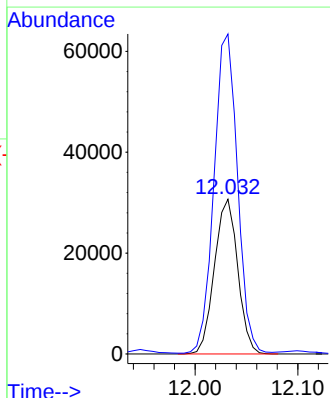
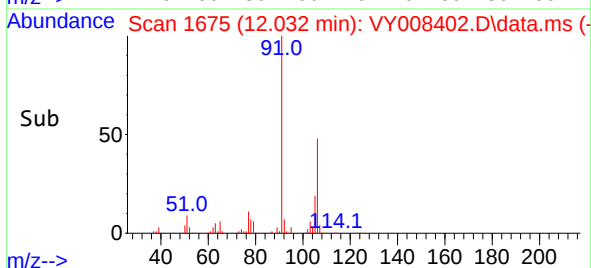
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

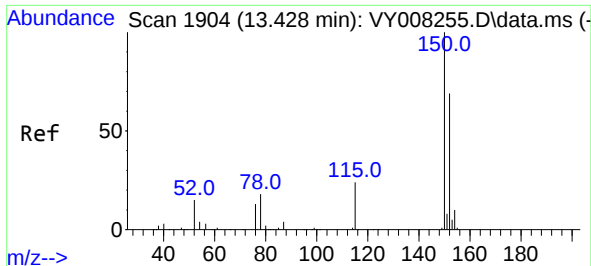


#69
o-Xylene
Concen: 39.700 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40



Tgt Ion:106 Resp: 48220
Ion Ratio Lower Upper
106 100
91 207.6 110.3 331.0





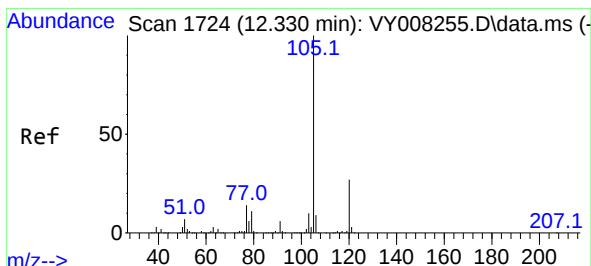
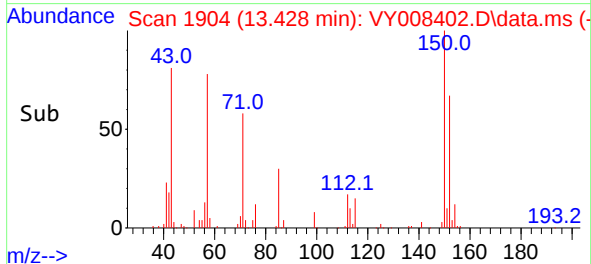
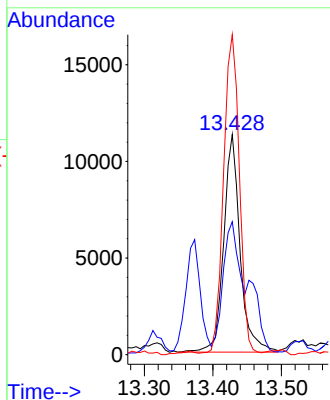
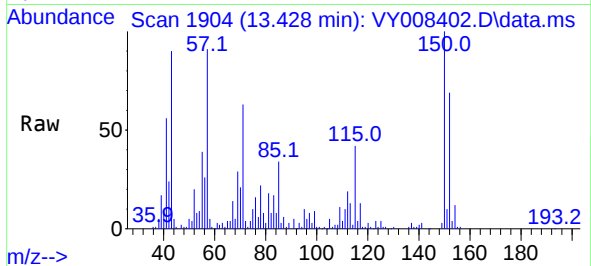
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE

Tgt Ion:152 Resp: 1866
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 140.5 0.0 347.6

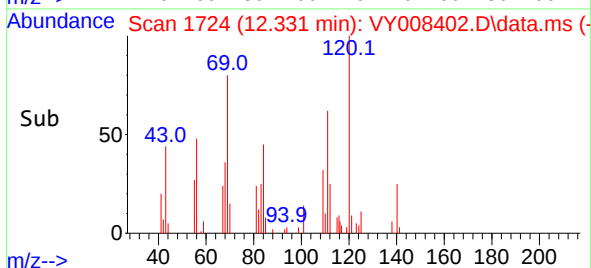
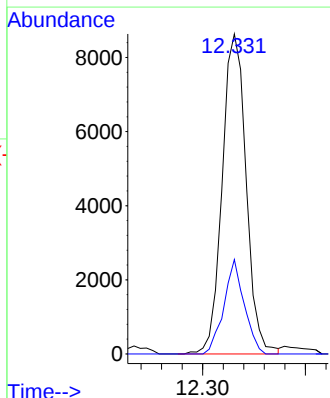
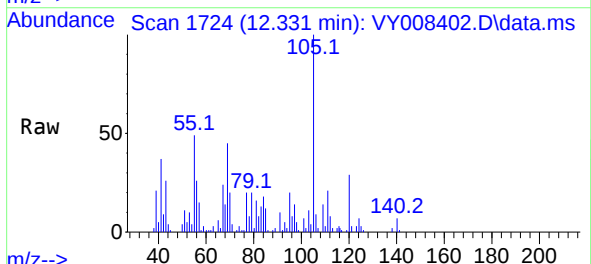
Manual Integrations
APPROVED

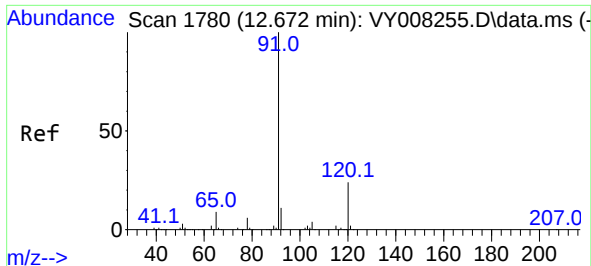
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#73
Isopropylbenzene
Concen: 10.061 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

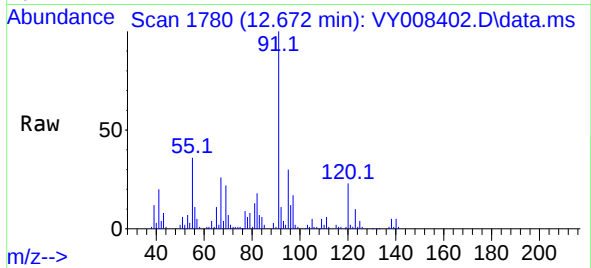
Tgt Ion:105 Resp: 13960
Ion Ratio Lower Upper
105 100
120 25.1 13.4 40.2





#78
n-propylbenzene
Concen: 13.972 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

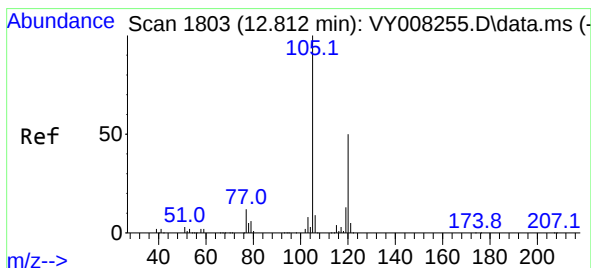
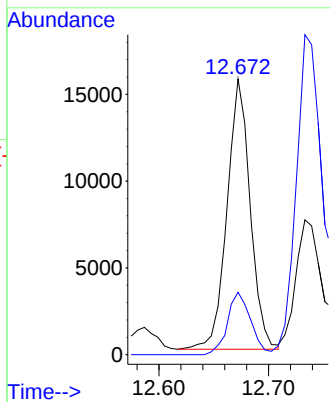
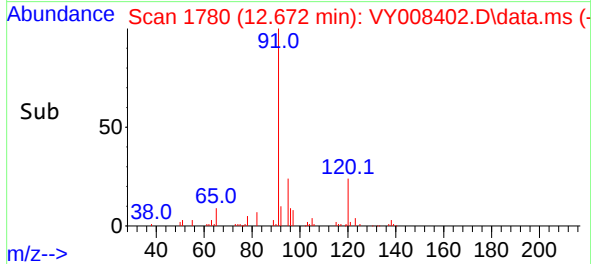
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



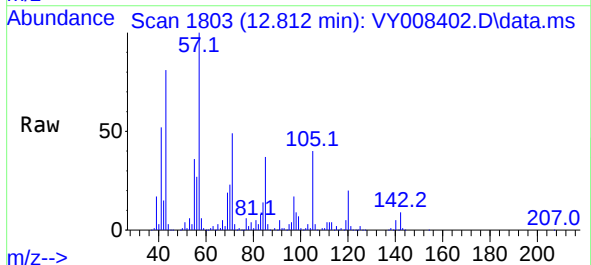
Tgt Ion: 91 Resp: 2287
Ion Ratio Lower Upper
91 100
120 23.1 11.3 33.9

Manual Integrations
APPROVED

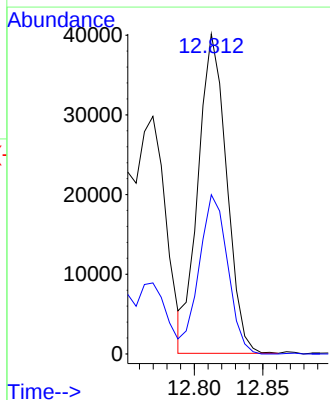
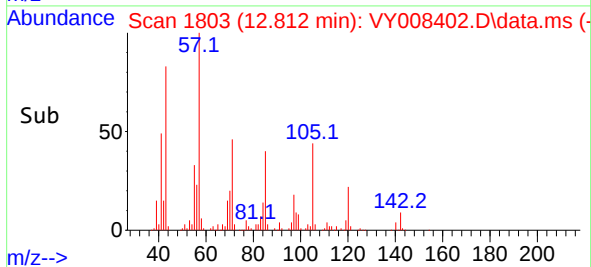
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

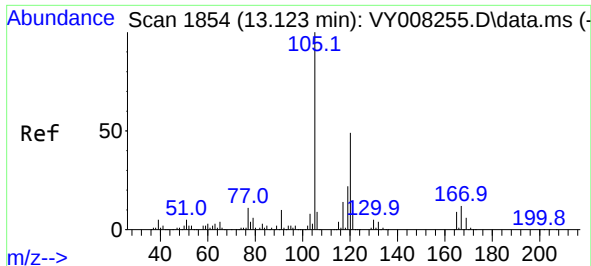


#80
1,3,5-Trimethylbenzene
Concen: 50.712 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40



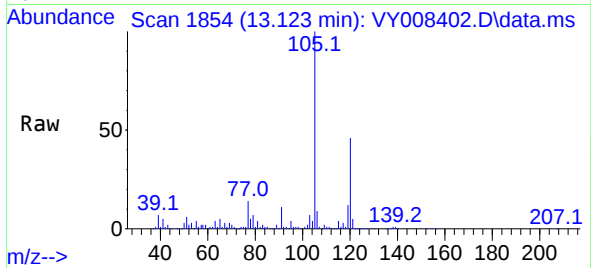
Tgt Ion:105 Resp: 57699
Ion Ratio Lower Upper
105 100
120 50.2 24.4 73.4





#84
1,2,4-Trimethylbenzene
Concen: 167.727 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

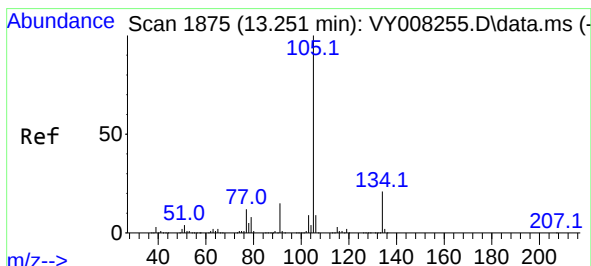
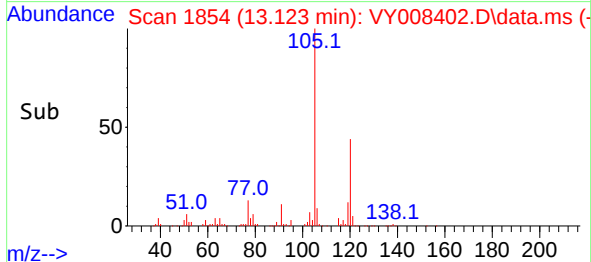
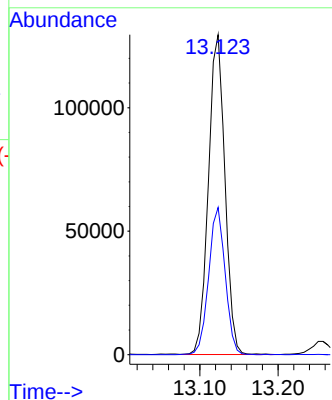
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



Tgt Ion:105 Resp: 18885
Ion Ratio Lower Upper
105 100
120 46.1 22.3 66.9

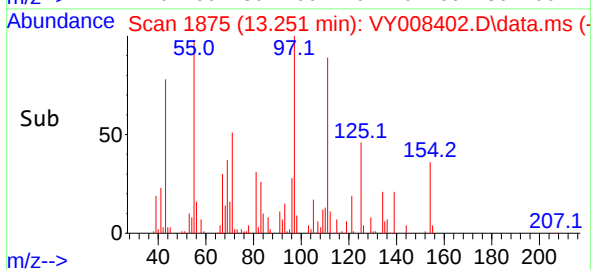
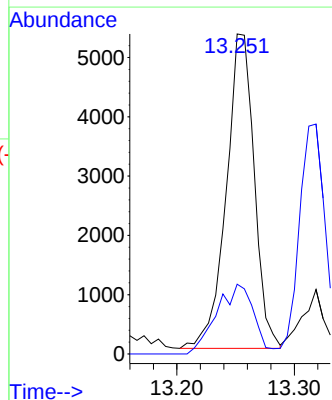
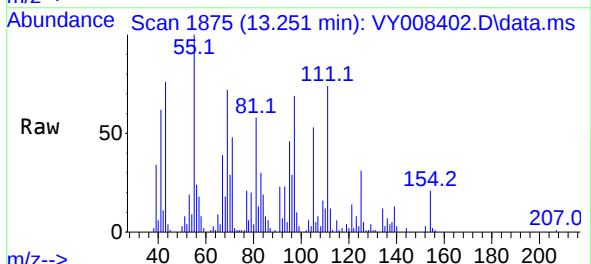
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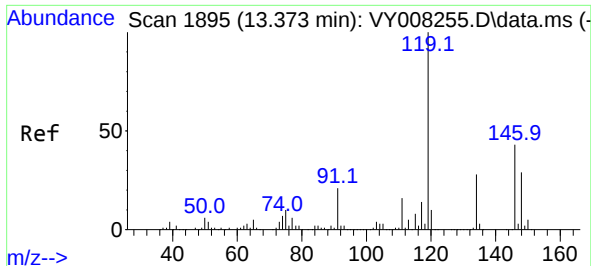
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022



#85
sec-Butylbenzene
Concen: 5.819 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

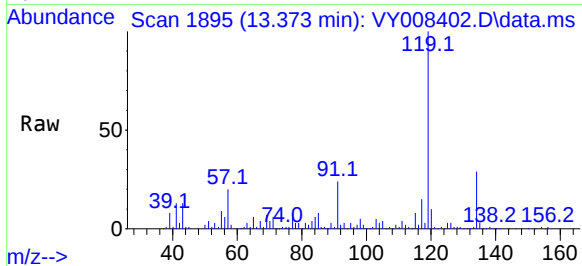
Tgt Ion:105 Resp: 8805
Ion Ratio Lower Upper
105 100
134 29.2 10.2 30.4





#86
p-Isopropyltoluene
Concen: 86.030 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

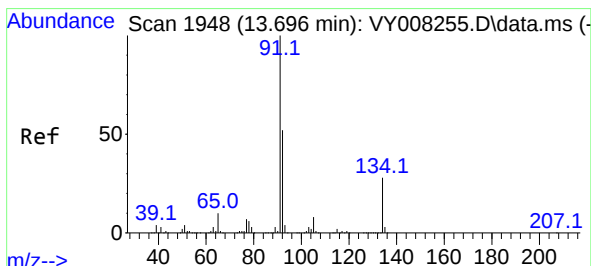
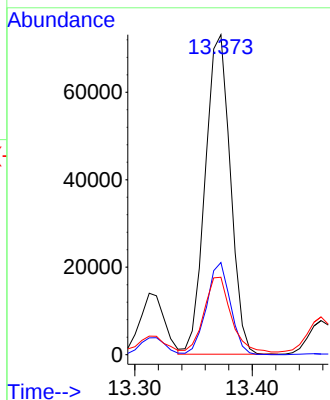
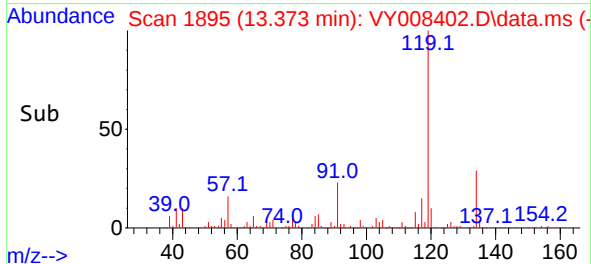
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



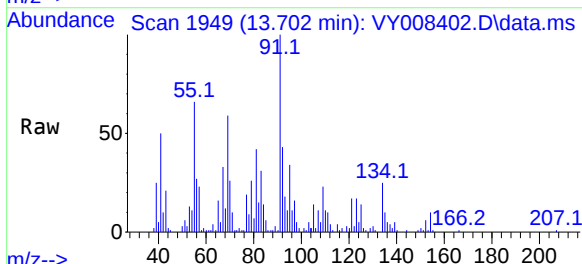
Tgt Ion: 119 Resp: 108638
Ion Ratio Lower Upper
119 100
134 27.4 13.2 39.5
91 24.6 12.4 37.2

Manual Integrations
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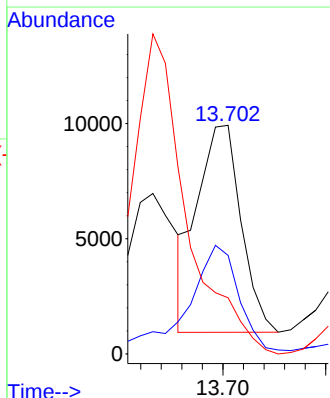
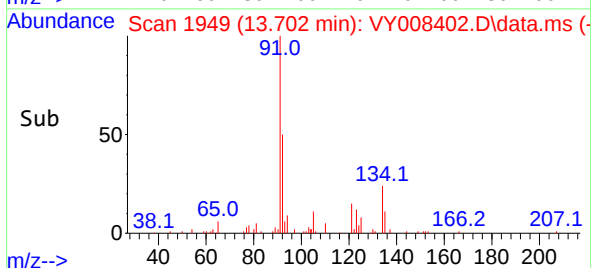
Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

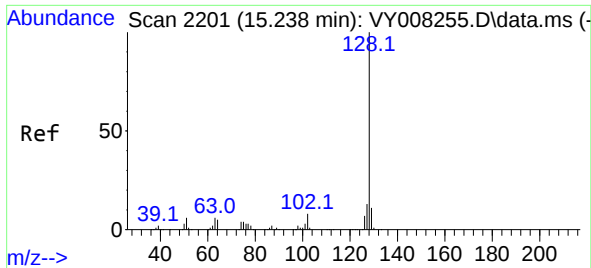


#89
n-Butylbenzene
Concen: 11.657 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40



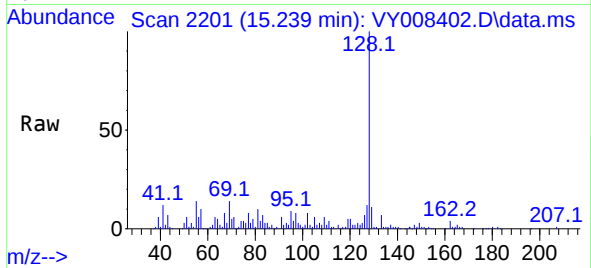
Tgt Ion: 91 Resp: 13300
Ion Ratio Lower Upper
91 100
92 59.1 26.3 78.9
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 74.534 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.001 min
Lab File: VY008402.D
Acq: 19 Apr 2022 17:40

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-2-1-GRRE



Tgt Ion:	128	Resp:	5657
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.0	16.4
129	13.7	8.4	12.6

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/20/2022
Supervised By :Mahesh Dadoda 04/20/2022

