

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041922\
 Data File : VY008393.D
 Acq On : 19 Apr 2022 14:10
 Operator : KP/MD
 Sample : N2431-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 20 06:28:00 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)

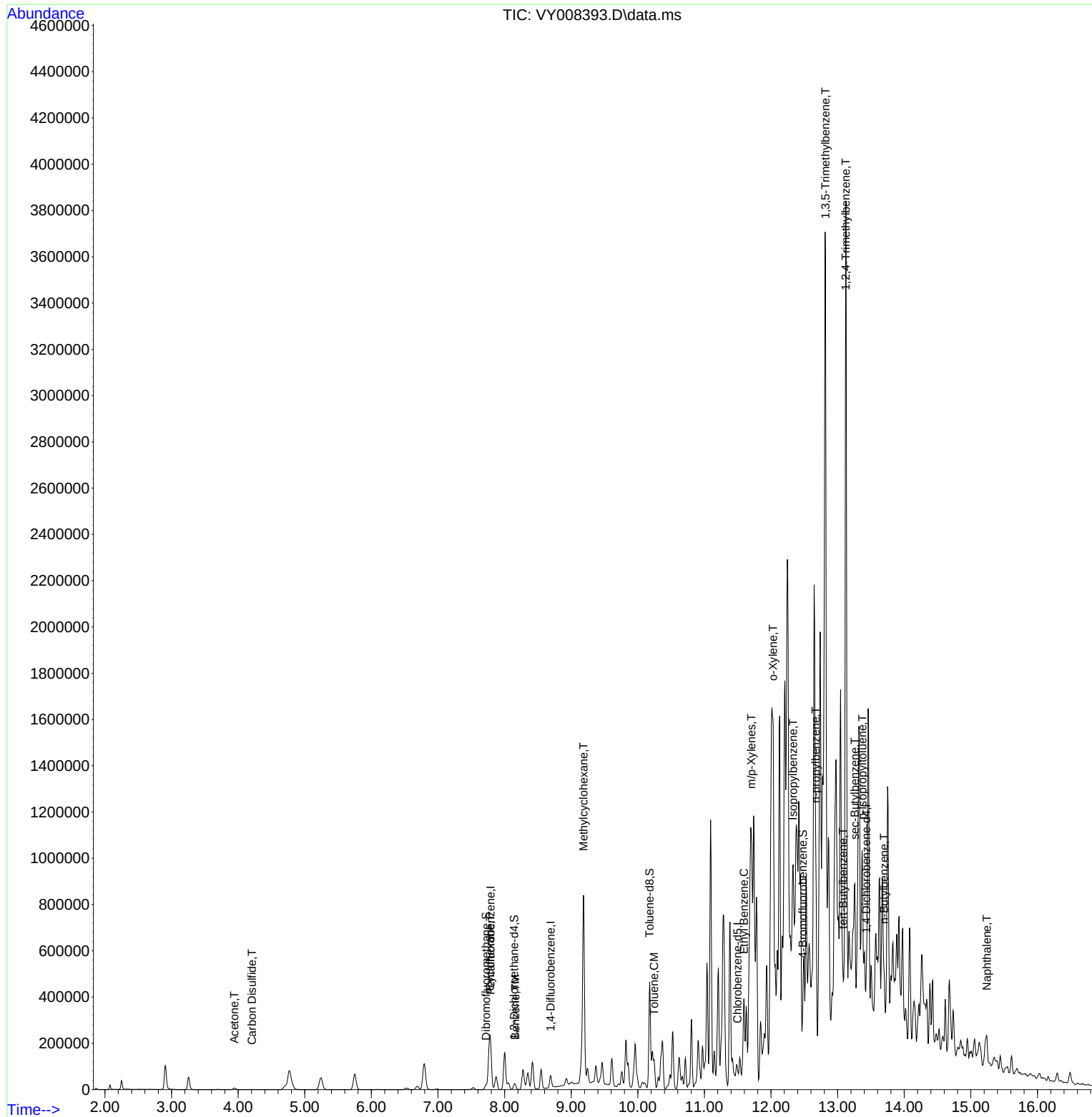
Internal Standards						
1) Pentafluorobenzene	7.789	168	28374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	43327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	25882	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	19123	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	12304	46.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.320%
35) Dibromofluoromethane	7.722	113	13685	54.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.380%
50) Toluene-d8	10.179	98	59701	69.720	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	139.440%
62) 4-Bromofluorobenzene	12.477	95	47006	145.947	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	291.900%#
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	6393	99.727	ug/l	97
17) Carbon Disulfide	4.204	76	2287	3.098	ug/l	97
31) Cyclohexane	7.783	56	106365	220.695	ug/l	87
39) Methylcyclohexane	9.185	83	357481	695.267	ug/l	86
40) Benzene	8.161	78	15882	13.346	ug/l	97
52) Toluene	10.246	92	47564	60.666	ug/l	94
67) Ethyl Benzene	11.593	91	205049	214.821	ug/l	98
68) m/p-Xylenes	11.703	106	230400	606.931	ug/l	92
69) o-Xylene	12.032	106	267625	726.478	ug/l	90
73) Isopropylbenzene	12.331	105	269833	189.788	ug/l	98
78) n-propylbenzene	12.672	91	501931	299.181	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	893031	766.004	ug/l	96
83) tert-Butylbenzene	13.081	119	16798	16.061	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	1775605	1538.992	ug/l	94
85) sec-Butylbenzene	13.257	105	212488	137.040	ug/l	# 67
86) p-Isopropyltoluene	13.373	119	192556	148.817	ug/l	97
89) n-Butylbenzene	13.696	91	101745	87.033	ug/l	# 78
95) Naphthalene	15.239	128	106193	136.537	ug/l	98

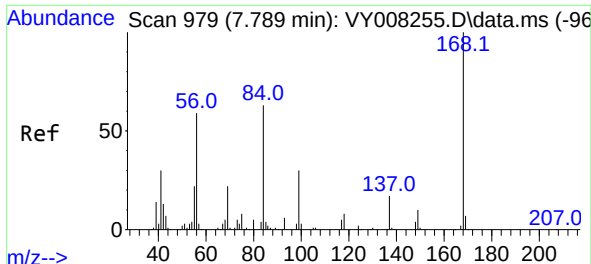
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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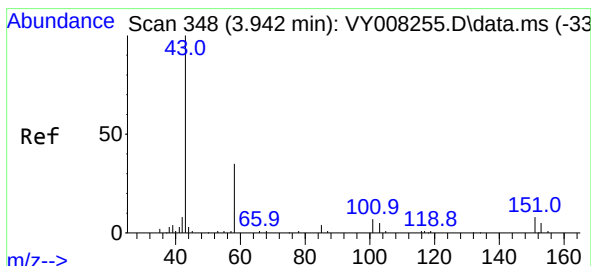
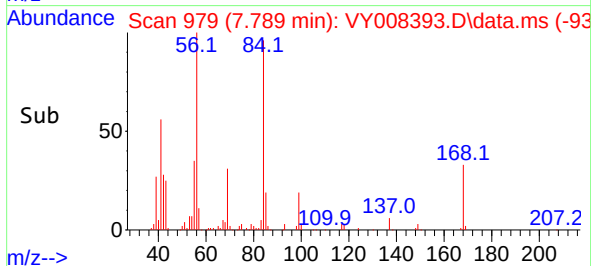
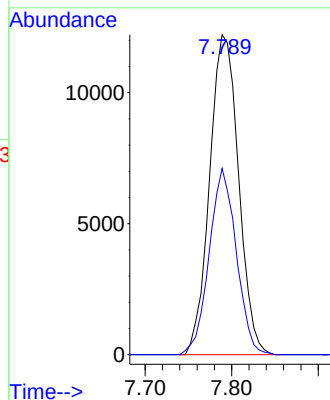
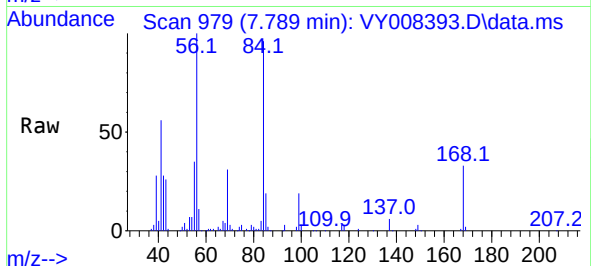




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

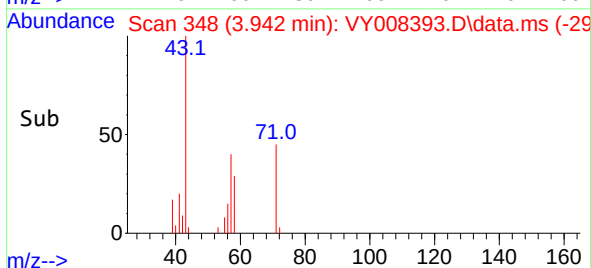
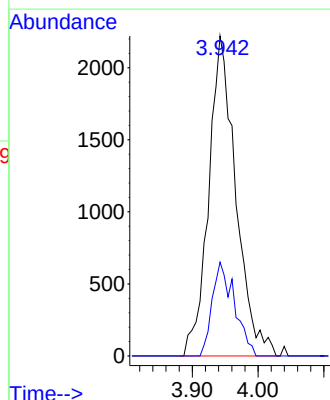
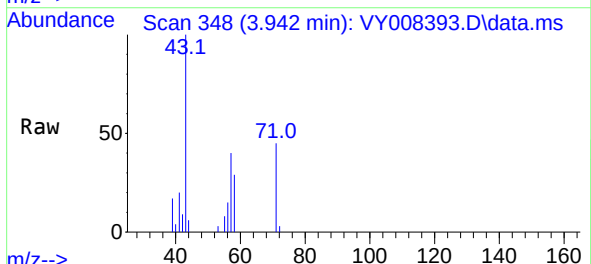
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

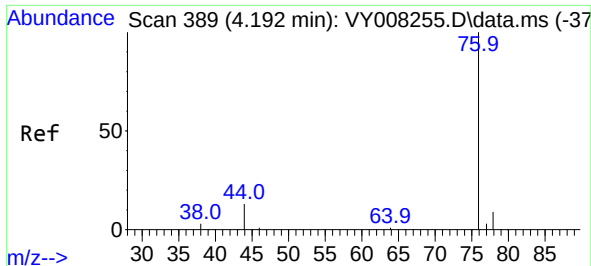
Tgt Ion:168 Resp: 28374
Ion Ratio Lower Upper
168 100
99 58.2 46.9 70.3



#16
Acetone
Concen: 99.727 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 43 Resp: 6393
Ion Ratio Lower Upper
43 100
58 29.3 22.0 33.0

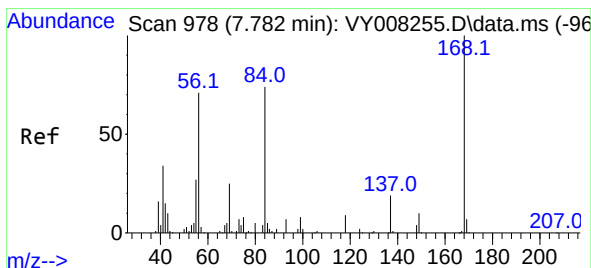
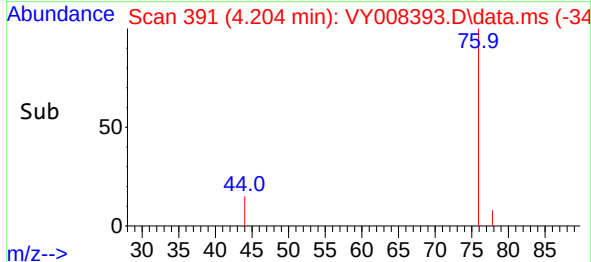
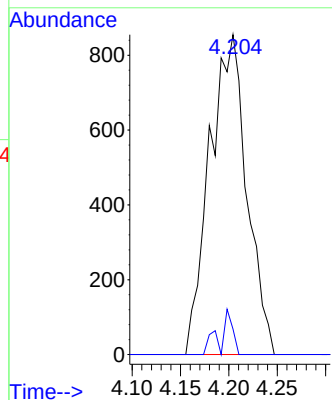
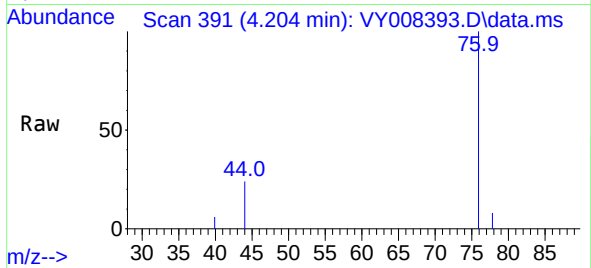




#17
Carbon Disulfide
Concen: 3.098 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

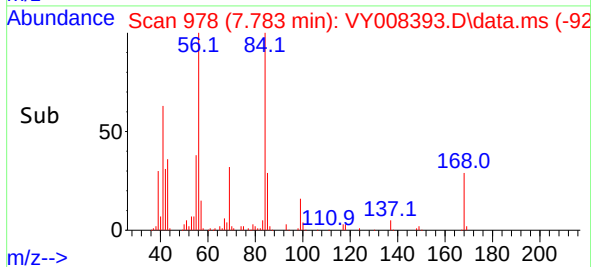
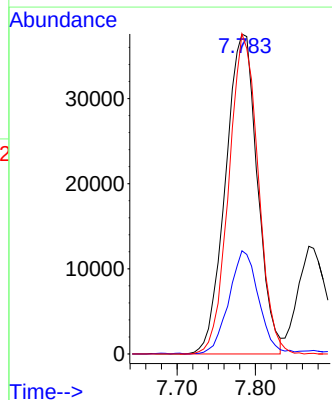
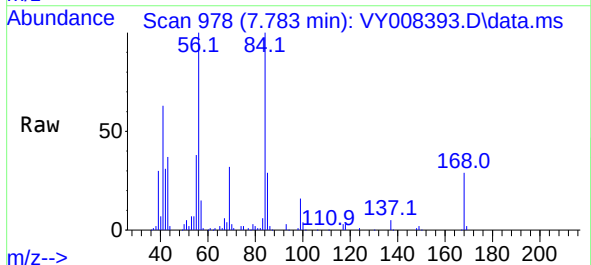
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

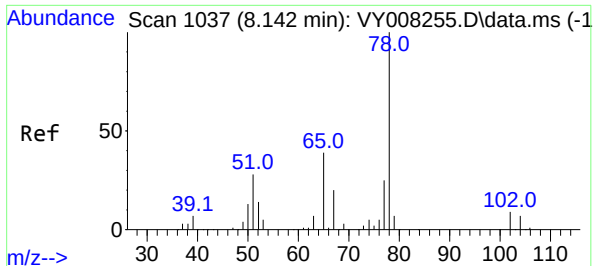
Tgt Ion: 76 Resp: 2287
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#31
Cyclohexane
Concen: 220.695 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 56 Resp: 106365
Ion Ratio Lower Upper
56 100
69 32.0 26.7 40.1
84 100.1 67.2 100.8

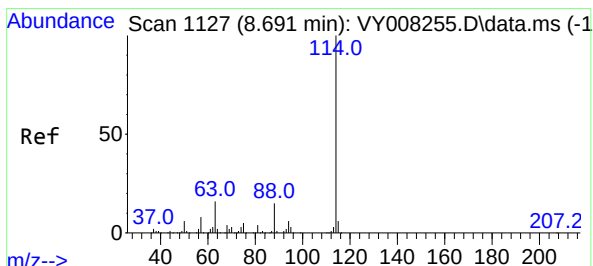
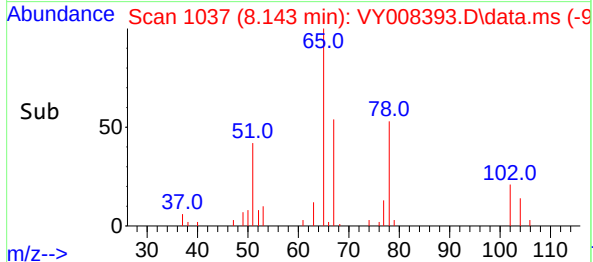
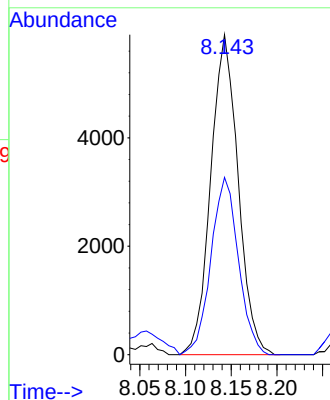
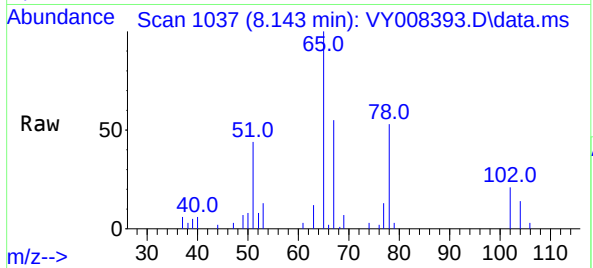




#33
1,2-Dichloroethane-d4
Concen: 46.165 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

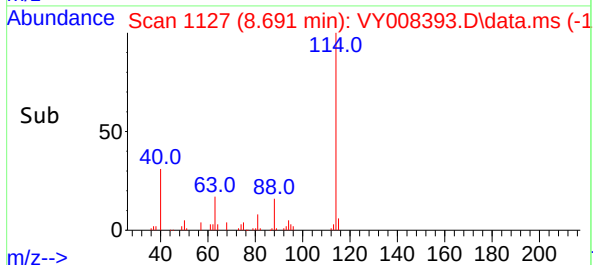
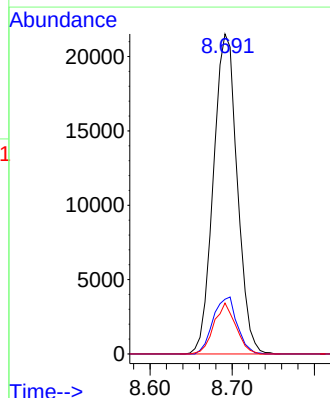
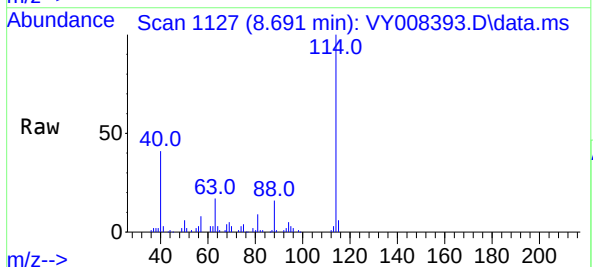
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

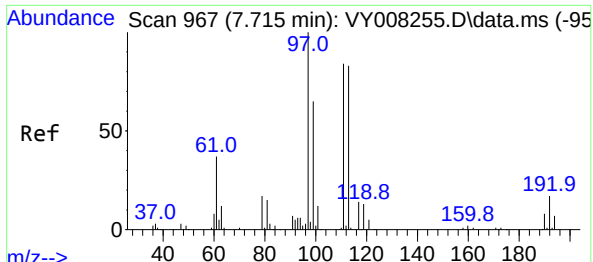
Tgt Ion: 65 Resp: 12304
Ion Ratio Lower Upper
65 100
67 55.5 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 114 Resp: 43327
Ion Ratio Lower Upper
114 100
63 17.1 0.0 43.2
88 15.9 0.0 31.8

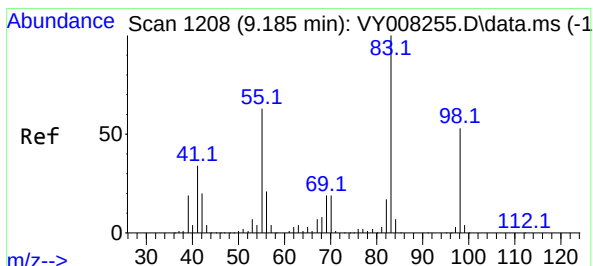
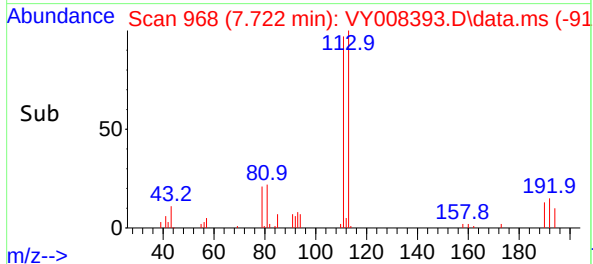
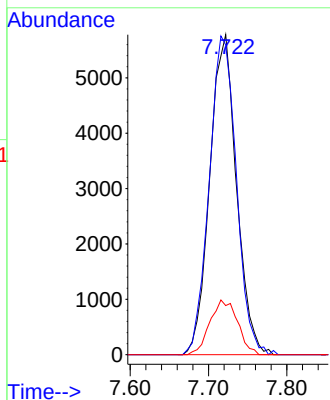
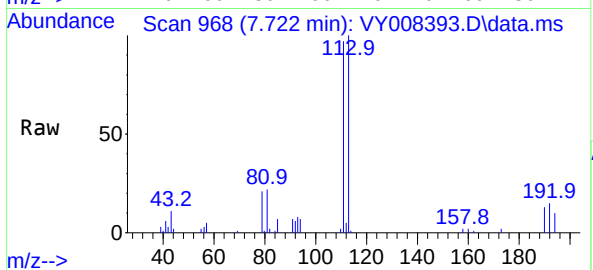




#35
Dibromofluoromethane
Concen: 54.685 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.007 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

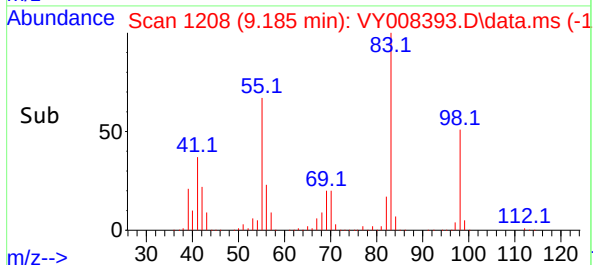
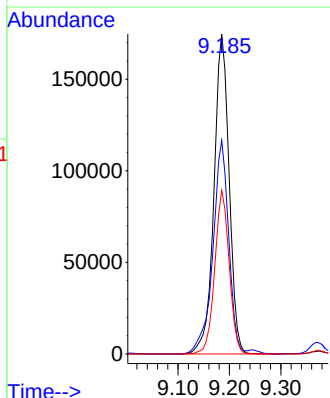
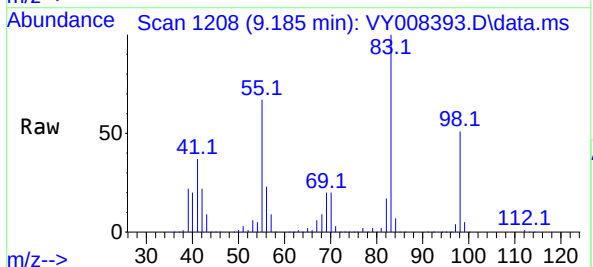
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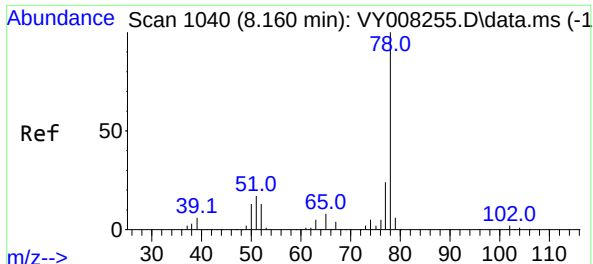
Tgt Ion:113 Resp: 13685
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 17.8 17.6 26.4



#39
Methylcyclohexane
Concen: 695.267 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 83 Resp: 357481
Ion Ratio Lower Upper
83 100
55 66.7 66.5 99.7
98 51.2 37.9 56.9

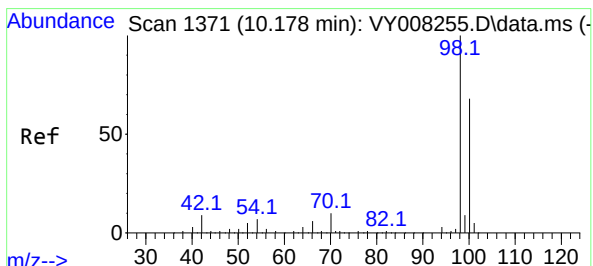
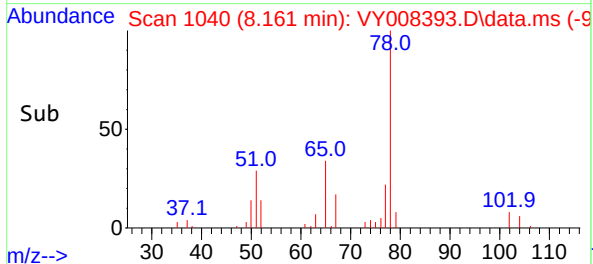
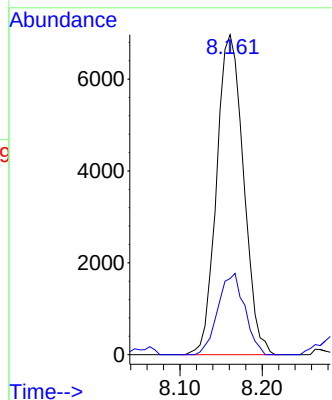
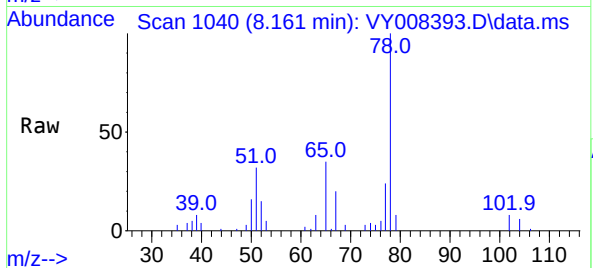




#40
Benzene
Concen: 13.346 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

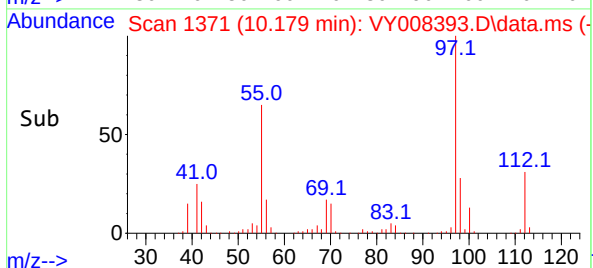
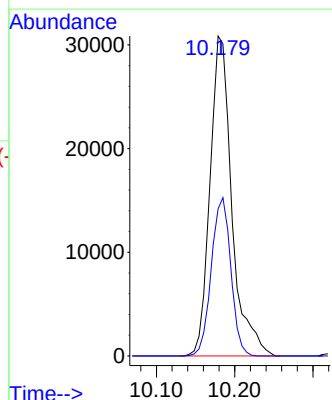
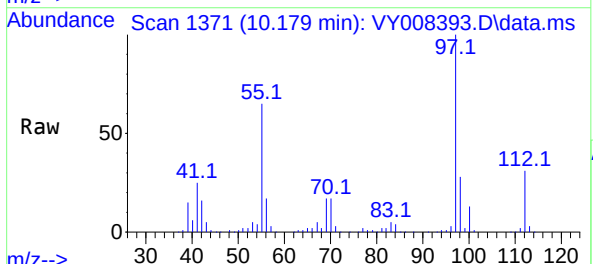
Instrument :
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ClientSampleId :
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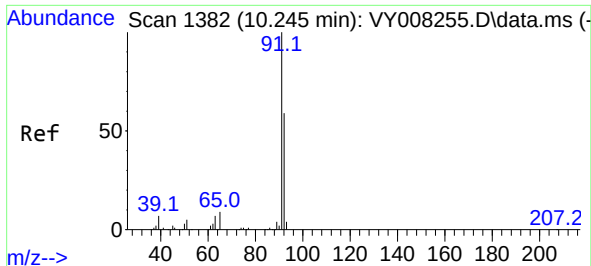
Tgt Ion: 78 Resp: 15882
Ion Ratio Lower Upper
78 100
77 23.8 20.4 30.6



#50
Toluene-d8
Concen: 69.720 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 98 Resp: 59701
Ion Ratio Lower Upper
98 100
100 44.1 50.2 75.2#

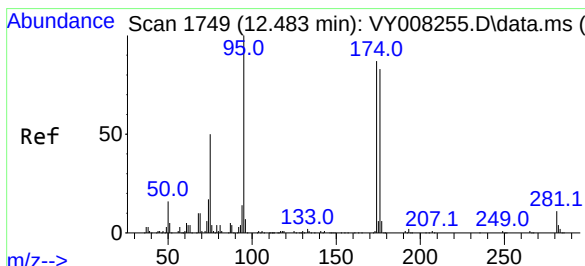
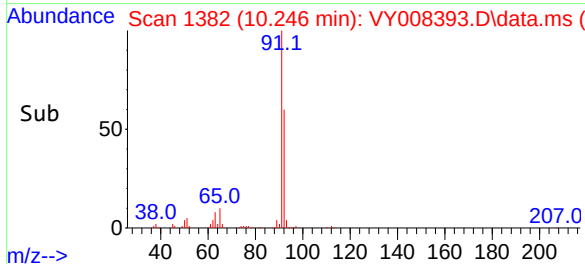
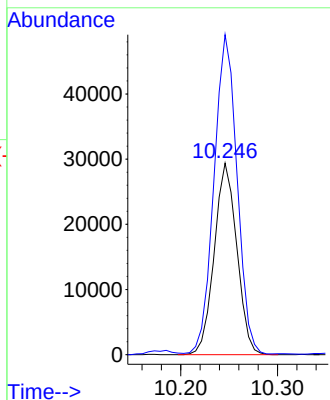
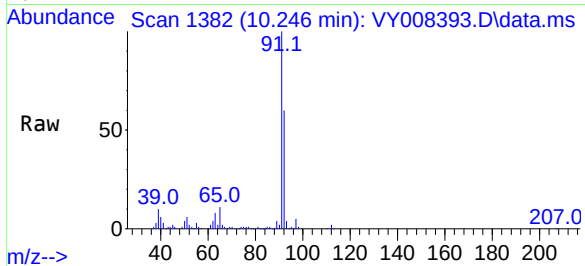




#52
Toluene
Concen: 60.666 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

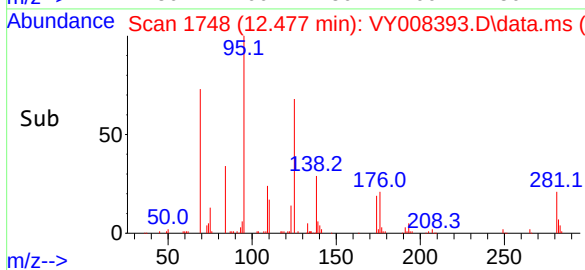
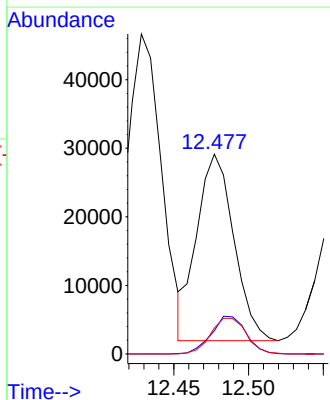
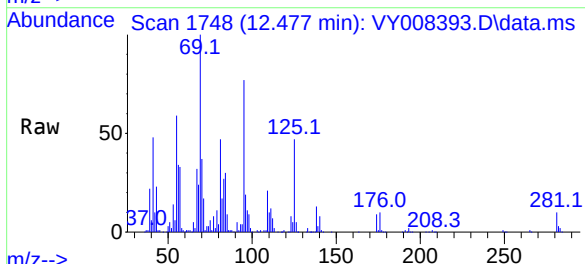
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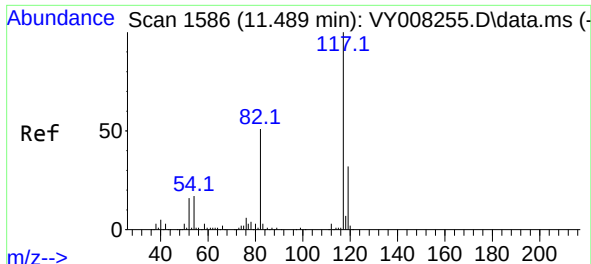
Tgt Ion: 92 Resp: 47564
Ion Ratio Lower Upper
92 100
91 170.1 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 145.947 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 95 Resp: 47006
Ion Ratio Lower Upper
95 100
174 18.9 0.0 177.0
176 18.5 0.0 175.8

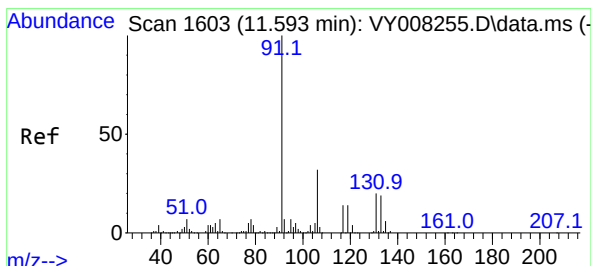
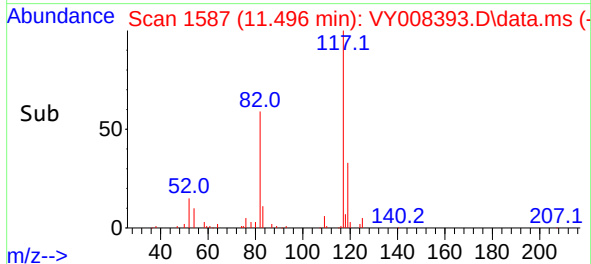
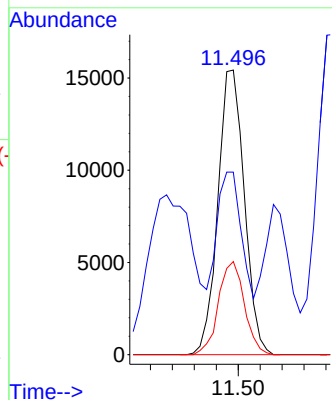
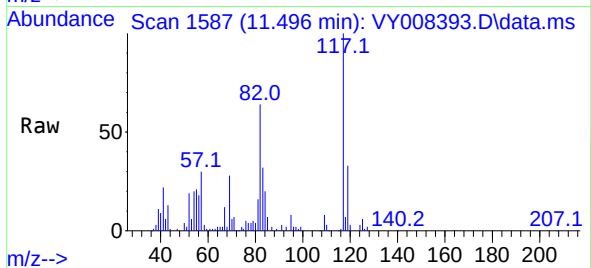




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.007 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

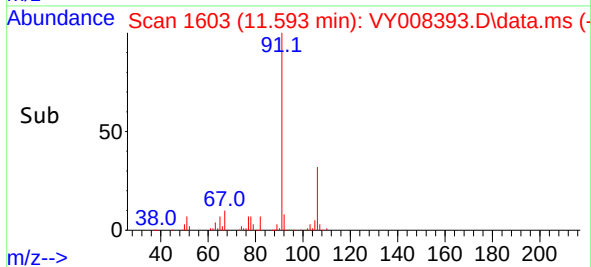
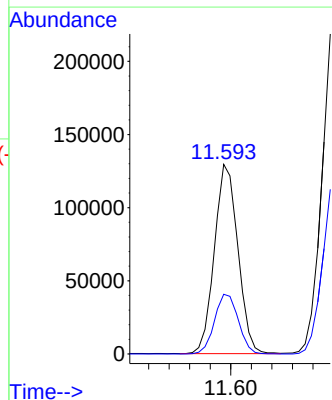
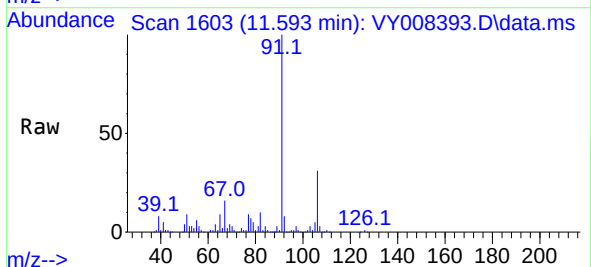
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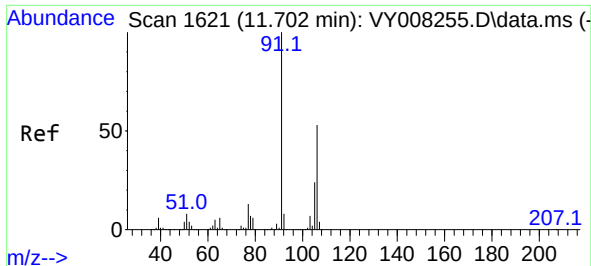
Tgt Ion:117 Resp: 25882
Ion Ratio Lower Upper
117 100
82 14.7 43.0 64.4#
119 32.7 25.4 38.0



#67
Ethyl Benzene
Concen: 214.821 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion: 91 Resp: 205049
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7

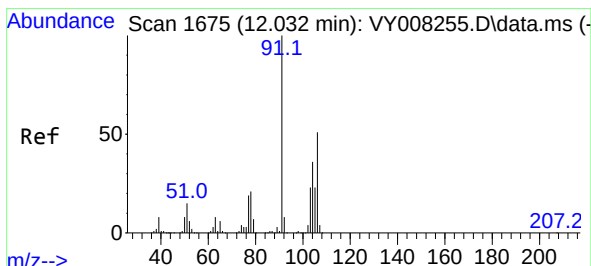
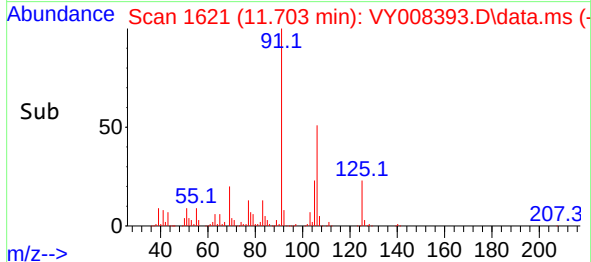
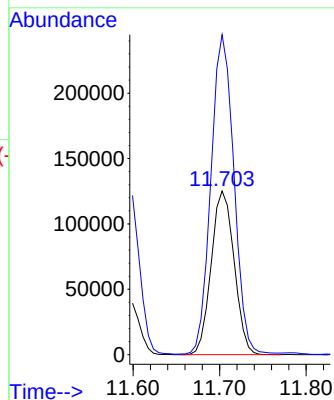
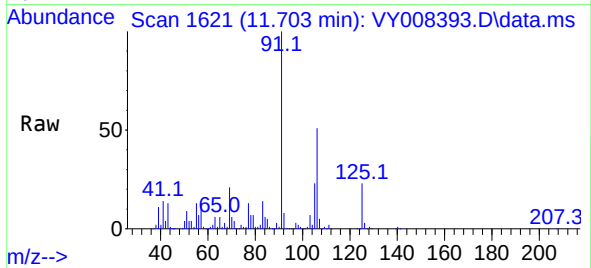




#68
m/p-Xylenes
Concen: 606.931 ug/l
RT: 11.703 min Scan# 1
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

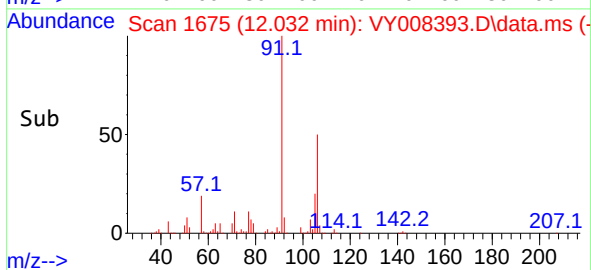
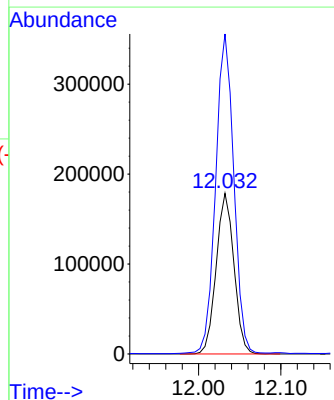
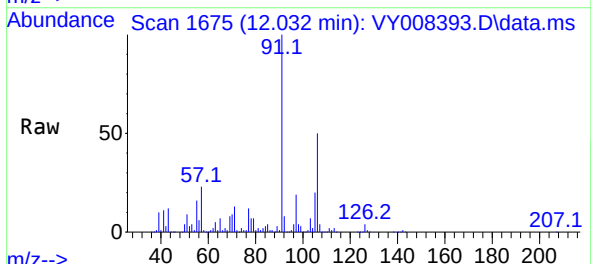
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

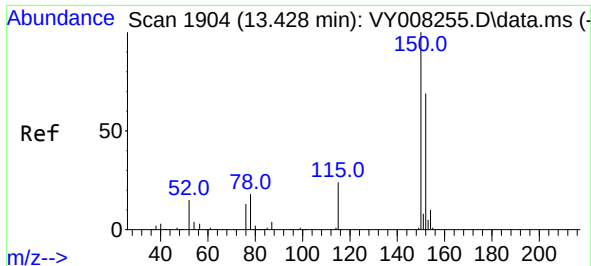
Tgt Ion:106 Resp: 230400
Ion Ratio Lower Upper
106 100
91 195.2 166.6 249.8



#69
o-Xylene
Concen: 726.478 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion:106 Resp: 267625
Ion Ratio Lower Upper
106 100
91 203.9 110.3 331.0

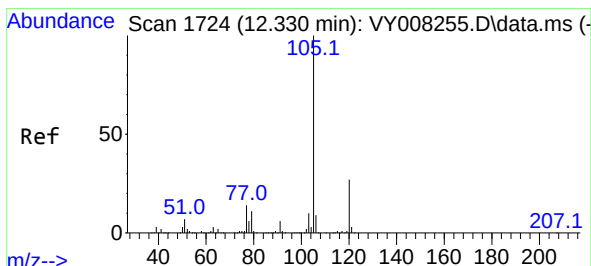
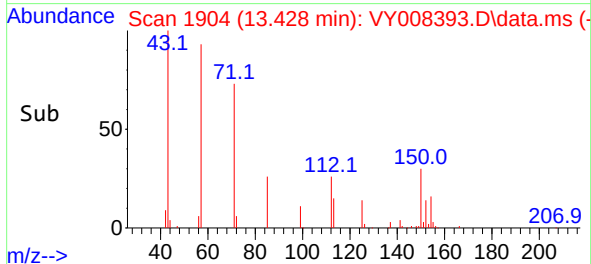
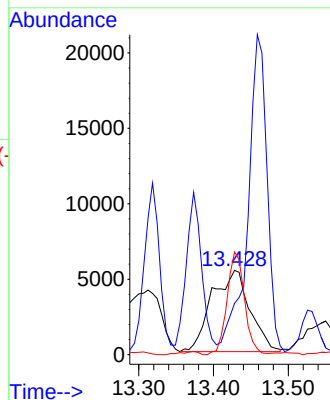
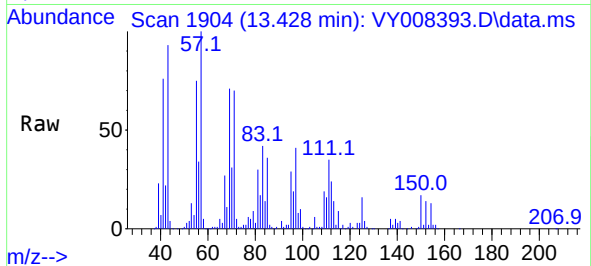




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

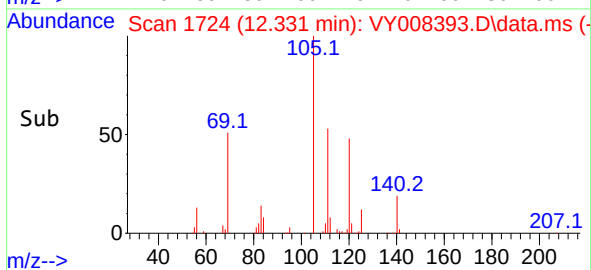
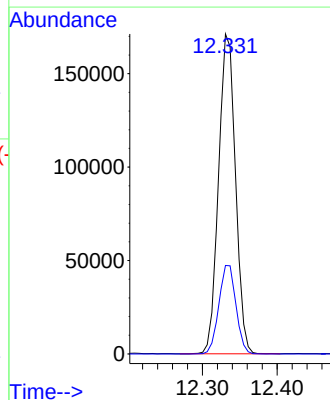
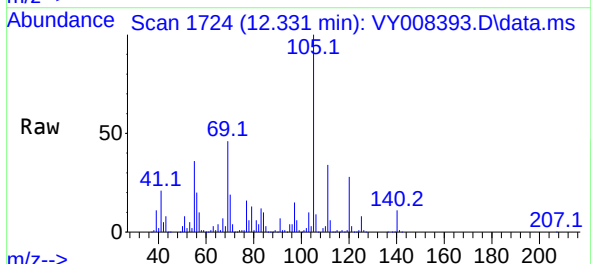
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

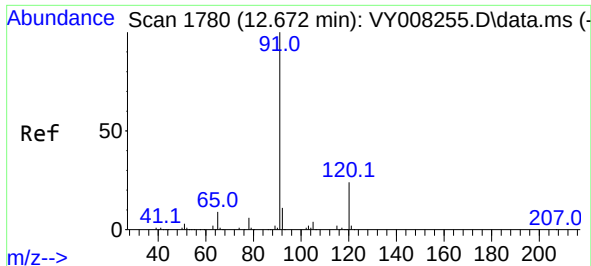
Tgt Ion:152 Resp: 19123
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 58.1 0.0 347.6



#73
Isopropylbenzene
Concen: 189.788 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion:105 Resp: 269833
Ion Ratio Lower Upper
105 100
120 28.0 13.4 40.2

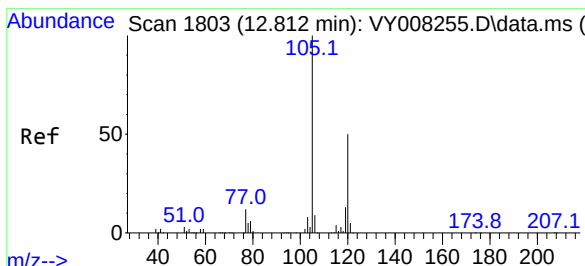
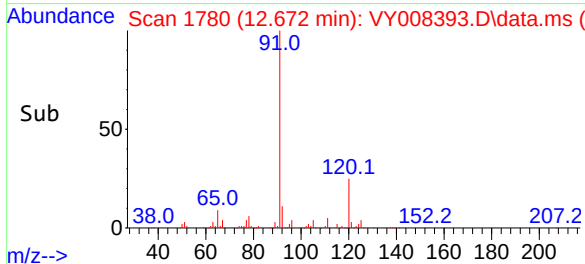
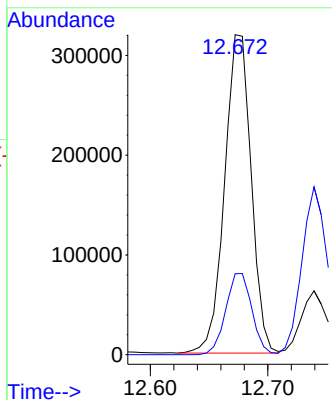
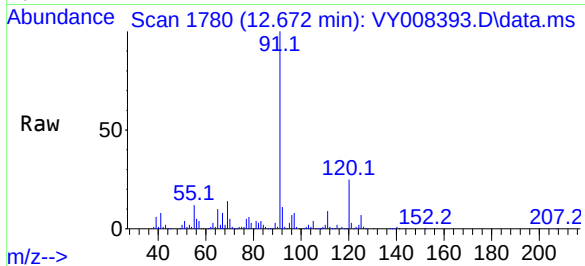




#78
n-propylbenzene
Concen: 299.181 ug/l
RT: 12.672 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

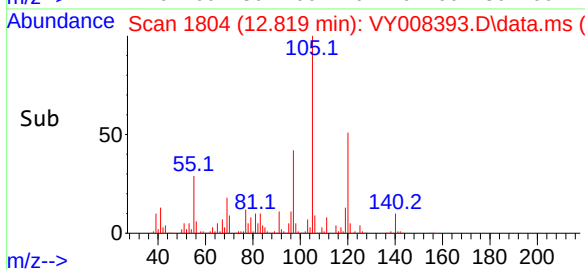
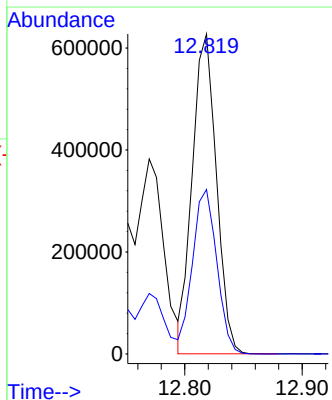
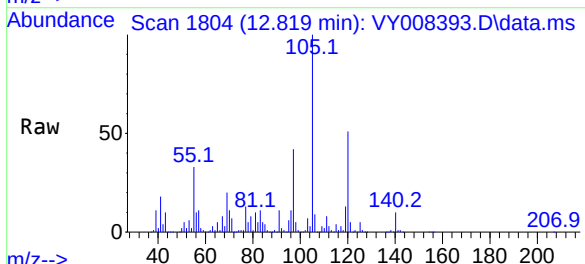
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

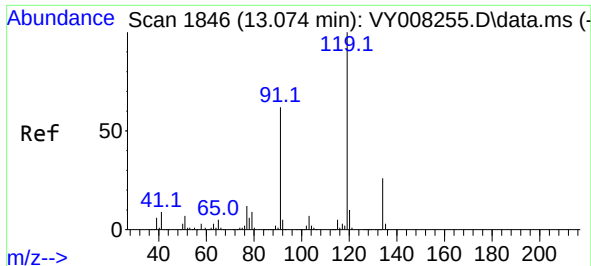
Tgt Ion: 91 Resp: 501931
Ion Ratio Lower Upper
91 100
120 25.1 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 766.004 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion:105 Resp: 893031
Ion Ratio Lower Upper
105 100
120 51.9 24.4 73.4

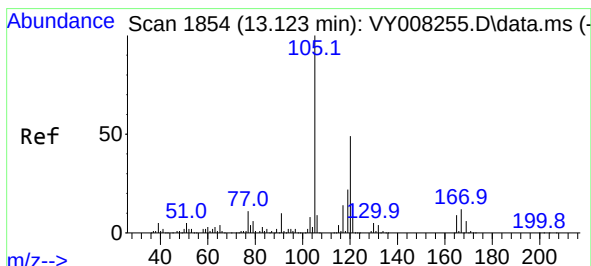
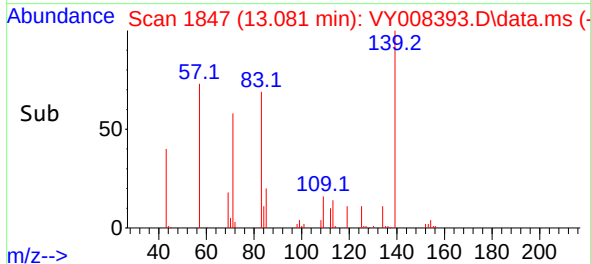
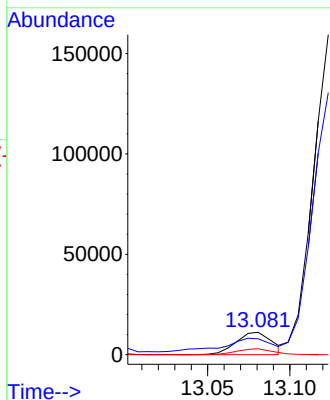
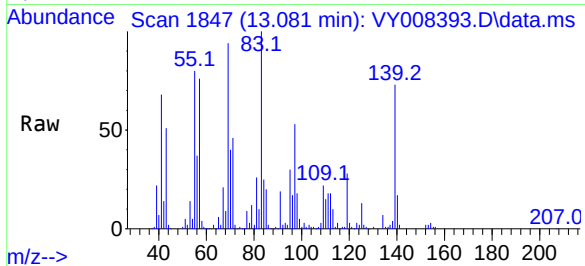




#83
tert-Butylbenzene
Concen: 16.061 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.007 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

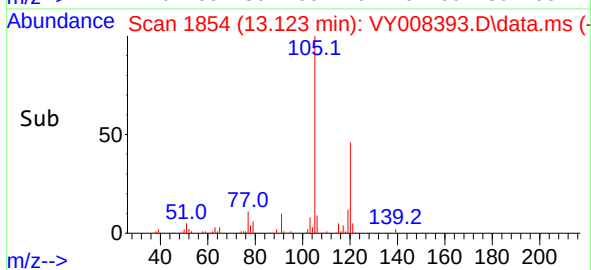
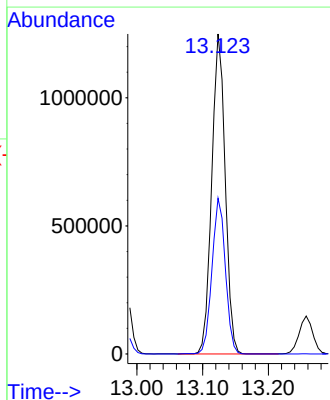
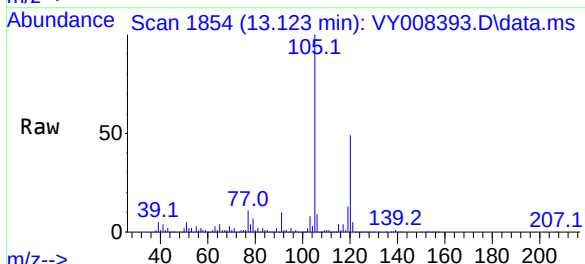
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1-GR

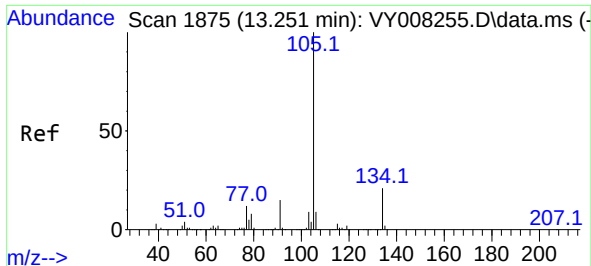
Tgt Ion:119 Resp: 16798
Ion Ratio Lower Upper
119 100
91 77.6 34.8 104.4
134 26.9 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 1538.992 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion:105 Resp: 1775605
Ion Ratio Lower Upper
105 100
120 48.6 22.3 66.9

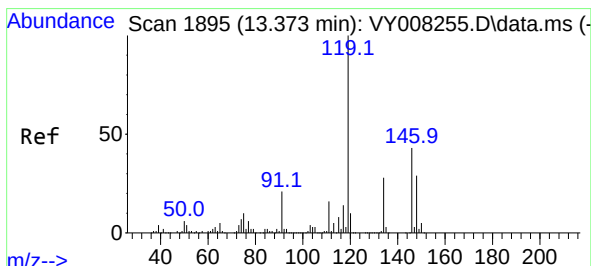
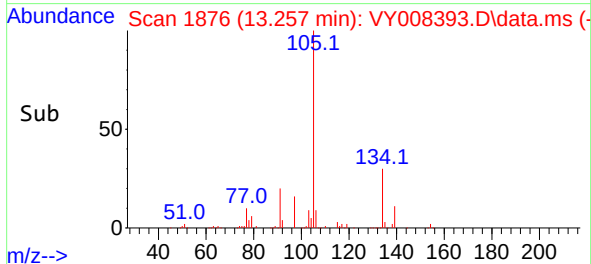
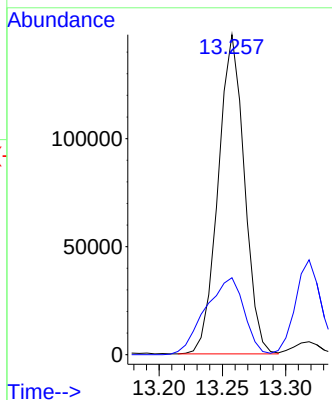
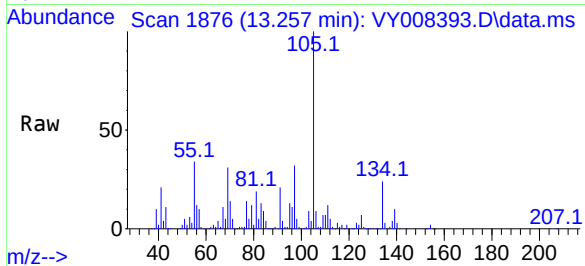




#85
 sec-Butylbenzene
 Concen: 137.040 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY008393.D
 Acq: 19 Apr 2022 14:10

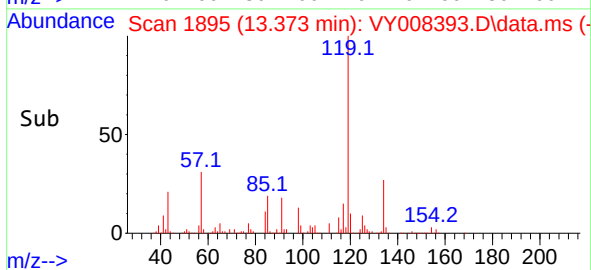
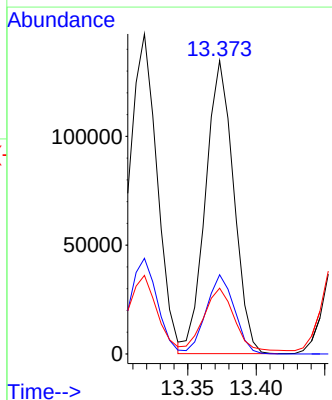
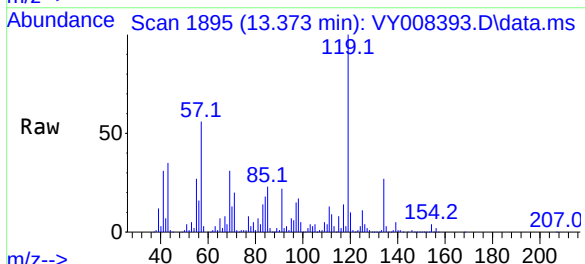
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-1-GR

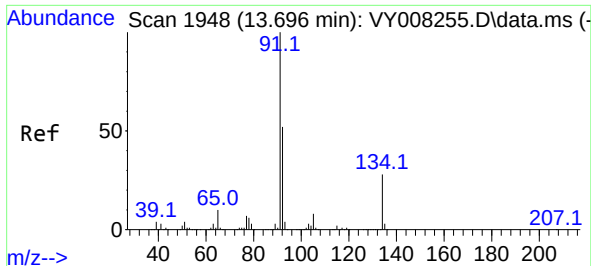
Tgt Ion:105 Resp: 212488
 Ion Ratio Lower Upper
 105 100
 134 35.7 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 148.817 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY008393.D
 Acq: 19 Apr 2022 14:10

Tgt Ion:119 Resp: 192556
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.2 39.5
 91 22.4 12.4 37.2

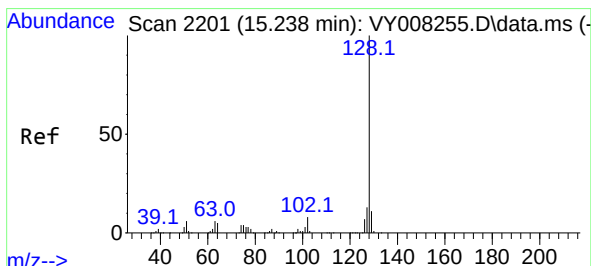
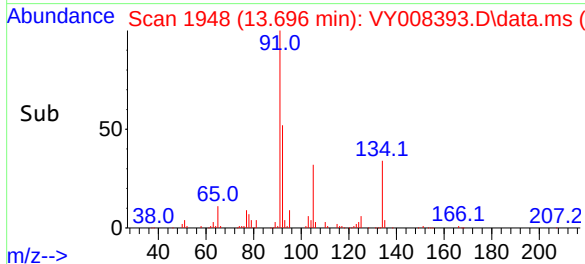
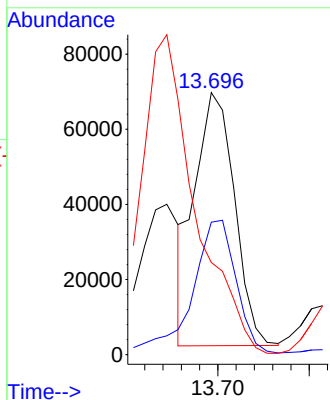
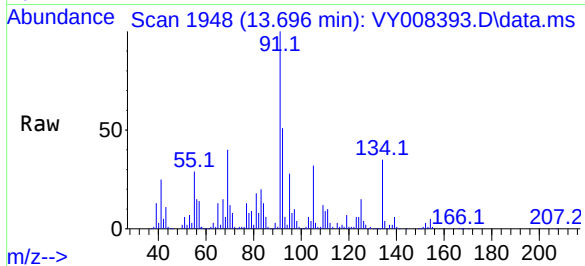




#89
n-Butylbenzene
Concen: 87.033 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

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

Tgt Ion: 91 Resp: 101745
Ion Ratio Lower Upper
91 100
92 58.4 26.3 78.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 136.537 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.001 min
Lab File: VY008393.D
Acq: 19 Apr 2022 14:10

Tgt Ion:128 Resp: 106193
Ion Ratio Lower Upper
128 100
127 14.2 11.0 16.4
129 11.7 8.4 12.6

