

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042022\
 Data File : VY008421.D
 Acq On : 20 Apr 2022 16:18
 Operator : KP/MD
 Sample : N2431-01
 Misc : 6.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Apr 21 02:39:54 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)

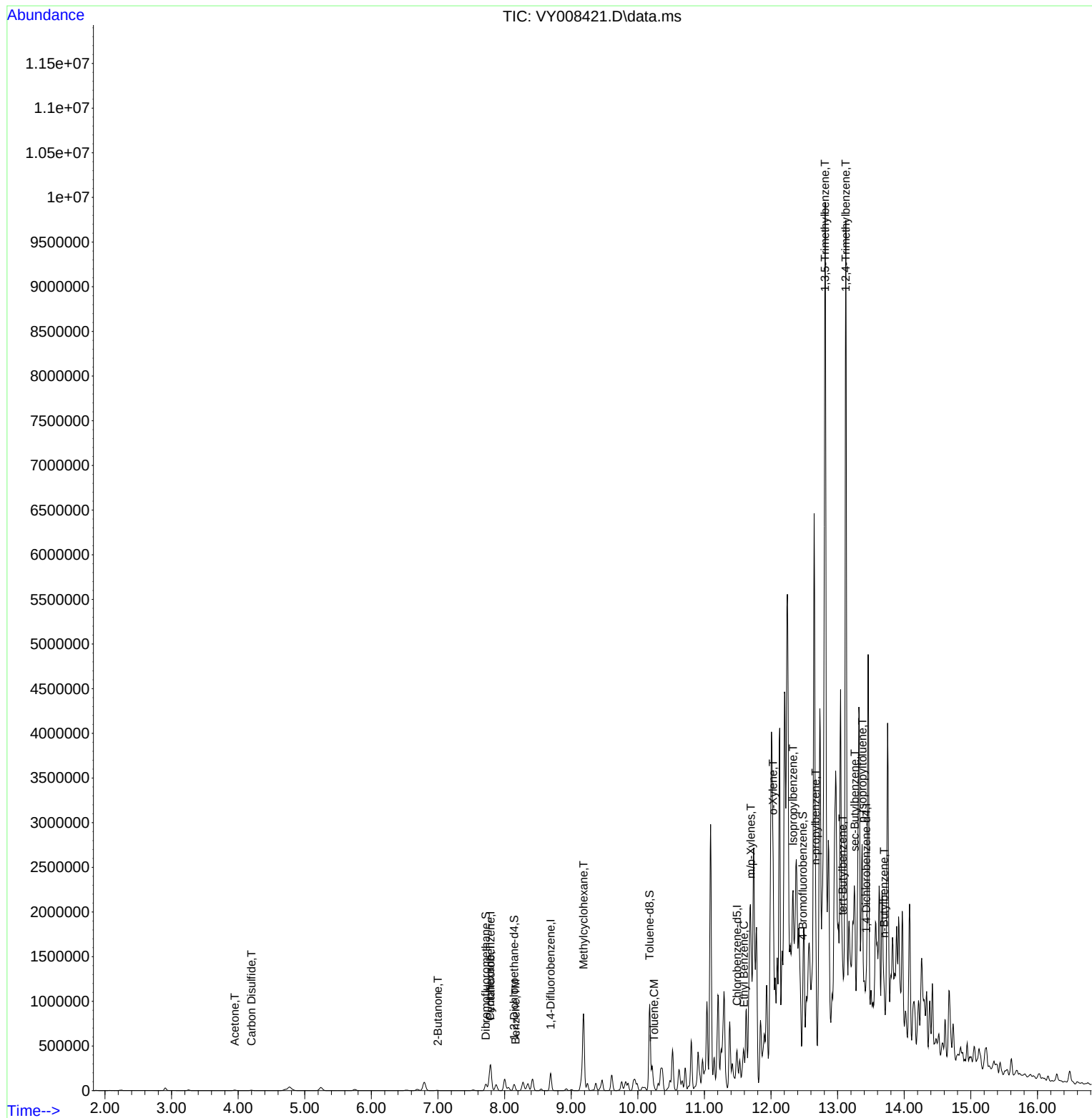
Internal Standards						
1) Pentafluorobenzene	7.789	168	93908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	165440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	178426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51905	58.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.680%	
35) Dibromofluoromethane	7.716	113	51031	53.405	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.179	98	247374	75.656	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 151.320%#	
62) 4-Bromofluorobenzene	12.477	95	172261	140.070	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 280.140%#	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	8629	40.671	ug/l	100
17) Carbon Disulfide	4.198	76	10666	4.365	ug/l	97
25) 2-Butanone	6.996	43	4055	12.223	ug/l #	90
31) Cyclohexane	7.783	56	98030	61.457	ug/l	90
39) Methylcyclohexane	9.185	83	389177	198.227	ug/l #	86
40) Benzene	8.167	78	5065	1.115	ug/l	98
52) Toluene	10.246	92	16573	5.536	ug/l	99
67) Ethyl Benzene	11.593	91	160471	24.387	ug/l	97
68) m/p-Xylenes	11.697	106	230004	87.889	ug/l	93
69) o-Xylene	12.032	106	361515	142.351	ug/l	91
73) Isopropylbenzene	12.331	105	494690	66.545	ug/l	98
78) n-propylbenzene	12.672	91	814100	92.806	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	1958228	321.245	ug/l	96
83) tert-Butylbenzene	13.075	119	52025	9.513	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	4242166	703.211	ug/l	92
85) sec-Butylbenzene	13.257	105	490699	60.525	ug/l #	65
86) p-Isopropyltoluene	13.373	119	640098	94.613	ug/l	96
89) n-Butylbenzene	13.696	91	182697	29.889	ug/l #	75

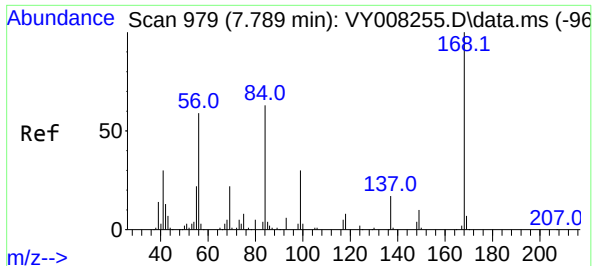
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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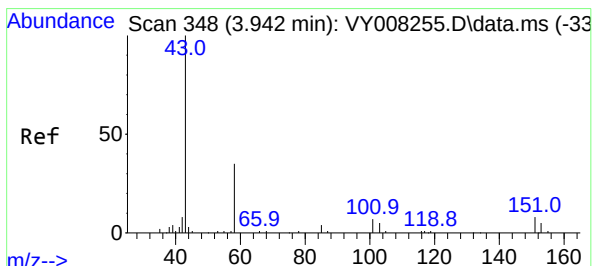
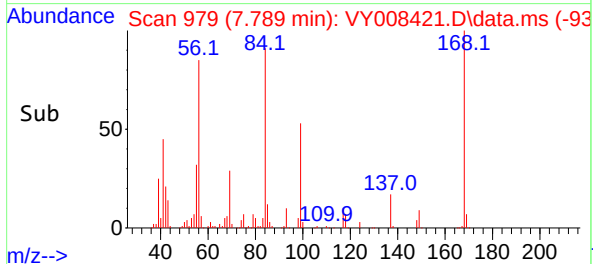
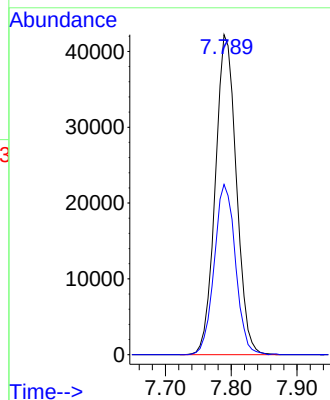
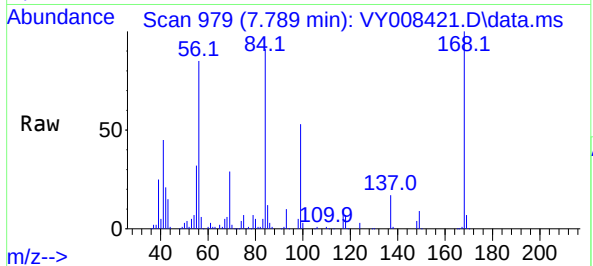




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

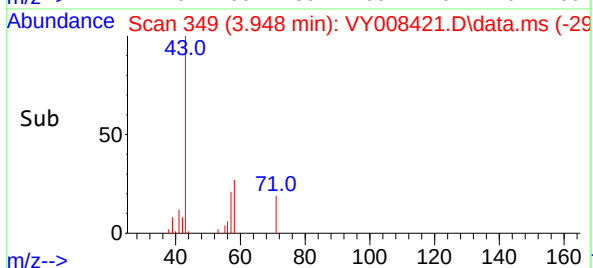
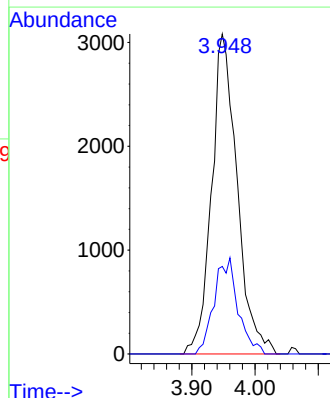
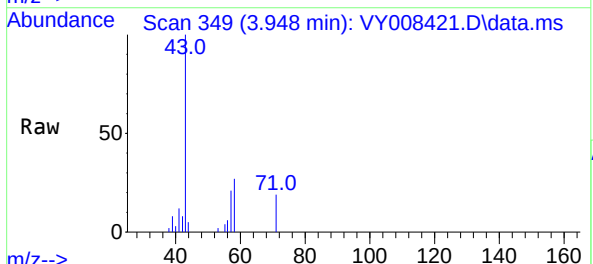
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

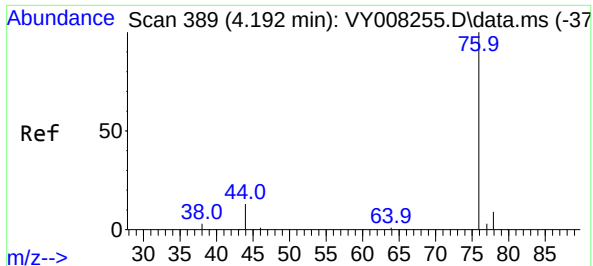
Tgt Ion:168 Resp: 93908
Ion Ratio Lower Upper
168 100
99 53.2 46.9 70.3



#16
Acetone
Concen: 40.671 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion: 43 Resp: 8629
Ion Ratio Lower Upper
43 100
58 27.4 22.0 33.0





#17

Carbon Disulfide

Concen: 4.365 ug/l

RT: 4.198 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY008421.D

Acq: 20 Apr 2022 16:18

Instrument :

MSVOA_Y

ClientSampleId :

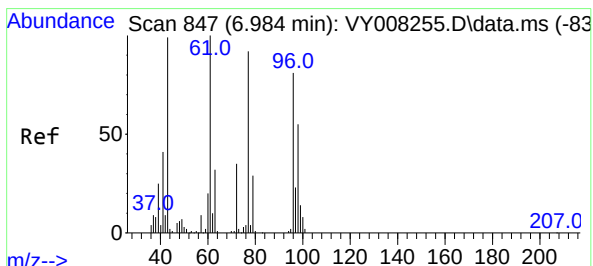
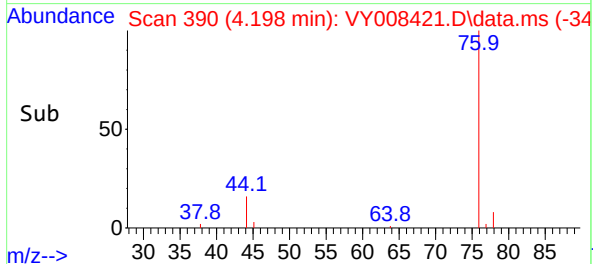
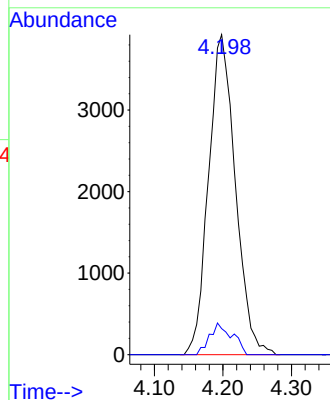
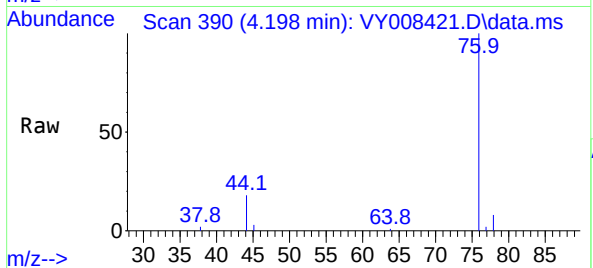
WC-15-1-1

Tgt Ion: 76 Resp: 10666

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0



#25

2-Butanone

Concen: 12.223 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY008421.D

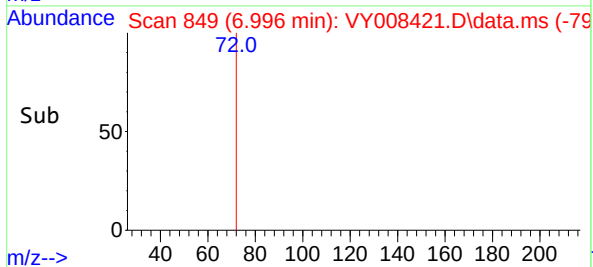
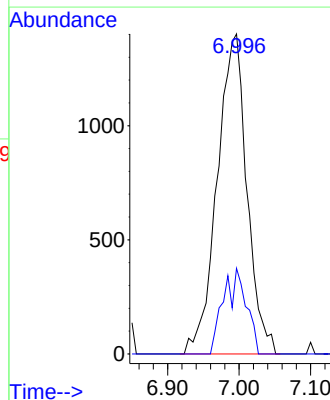
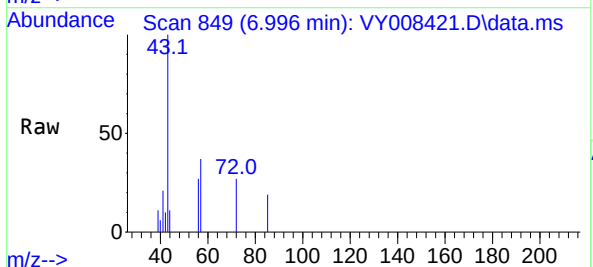
Acq: 20 Apr 2022 16:18

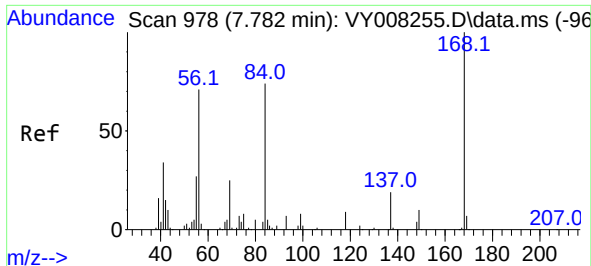
Tgt Ion: 43 Resp: 4055

Ion Ratio Lower Upper

43 100

72 26.7 17.7 26.5#

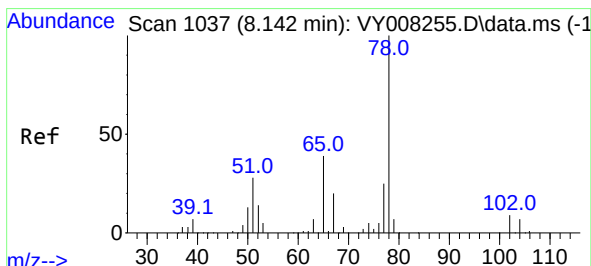
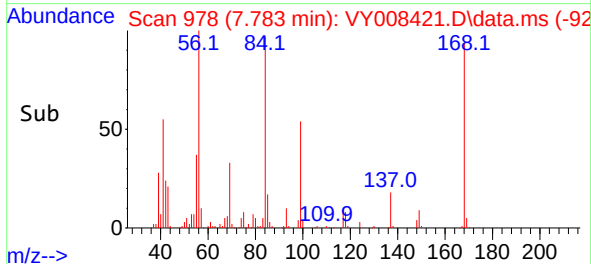
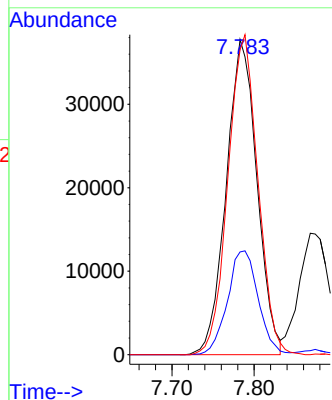
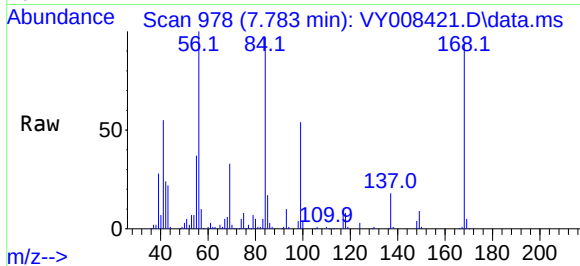




#31
Cyclohexane
Concen: 61.457 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

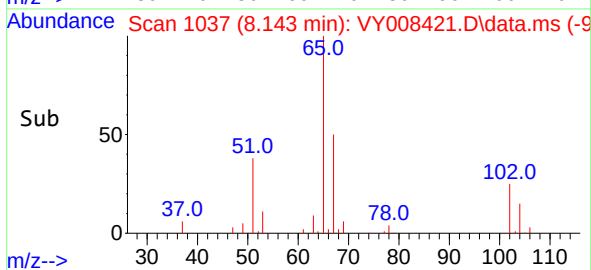
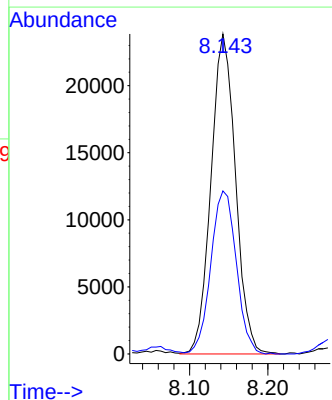
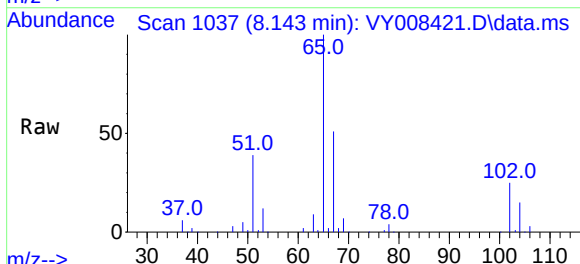
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

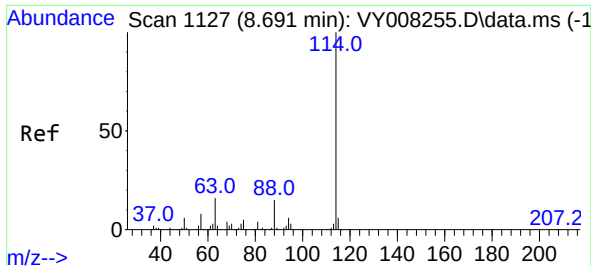
Tgt Ion: 56 Resp: 98030
Ion Ratio Lower Upper
56 100
69 32.6 26.7 40.1
84 96.6 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 58.843 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion: 65 Resp: 51905
Ion Ratio Lower Upper
65 100
67 52.9 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: VY008421.D

Acq: 20 Apr 2022 16:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-1

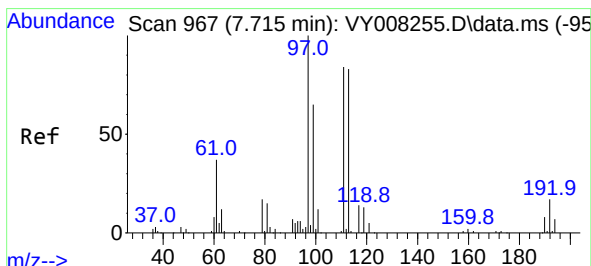
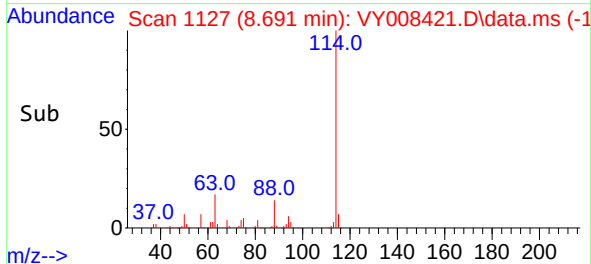
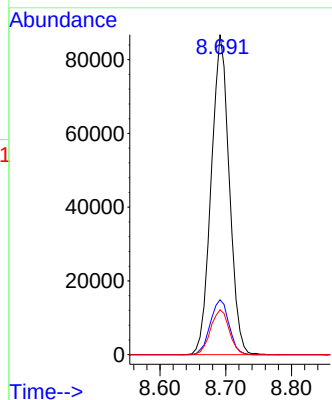
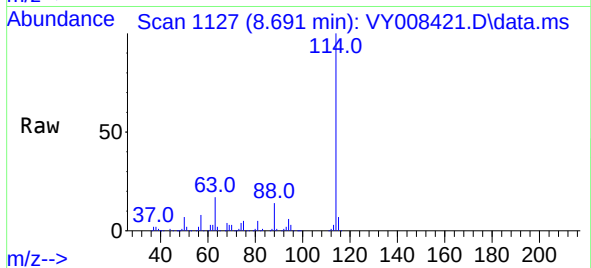
Tgt Ion:114 Resp: 165440

Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.405 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008421.D

Acq: 20 Apr 2022 16:18

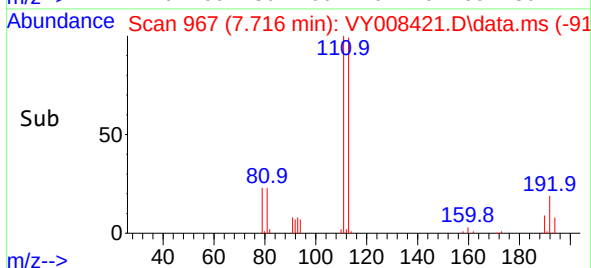
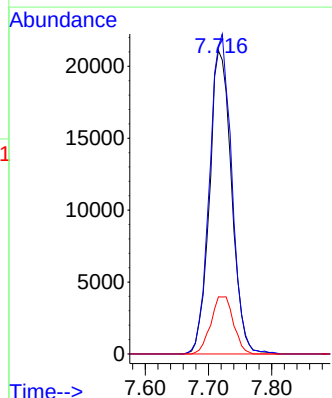
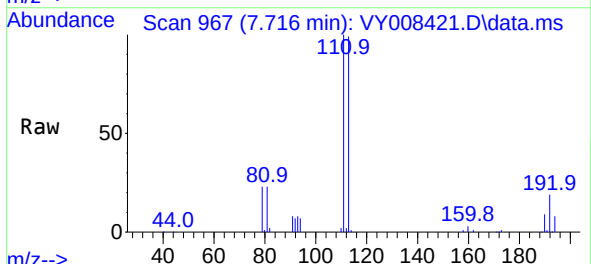
Tgt Ion:113 Resp: 51031

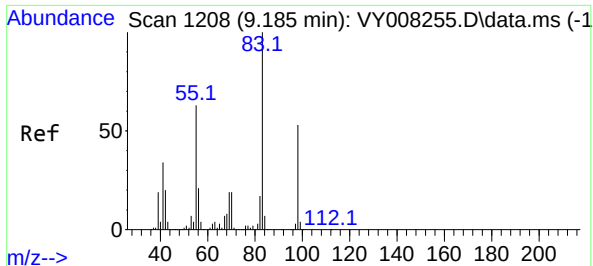
Ion Ratio Lower Upper

113 100

111 105.7 82.6 124.0

192 19.3 17.6 26.4





#39

Methylcyclohexane

Concen: 198.227 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008421.D

Acq: 20 Apr 2022 16:18

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-1

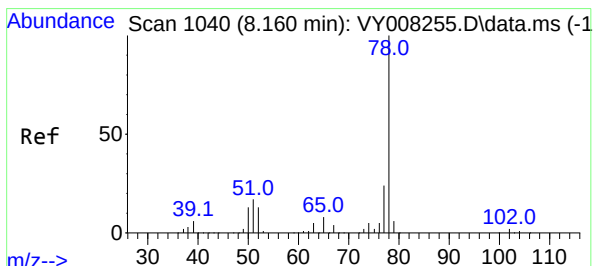
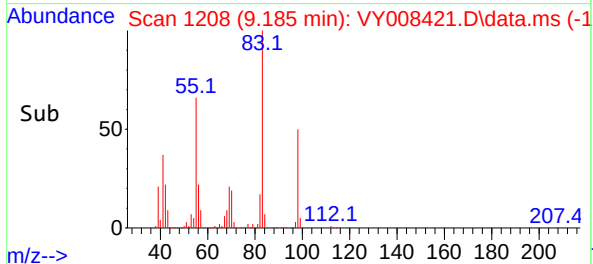
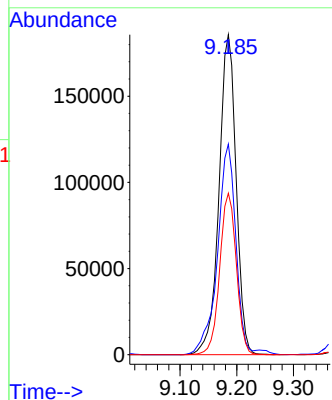
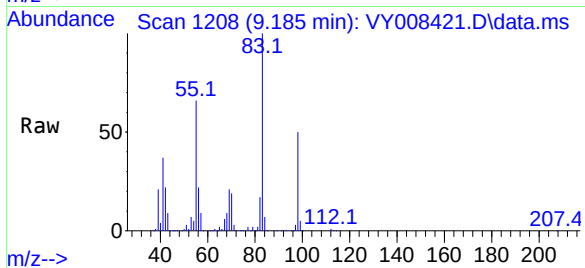
Tgt Ion: 83 Resp: 389177

Ion Ratio Lower Upper

83 100

55 65.8 66.5 99.7#

98 50.5 37.9 56.9



#40

Benzene

Concen: 1.115 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.007 min

Lab File: VY008421.D

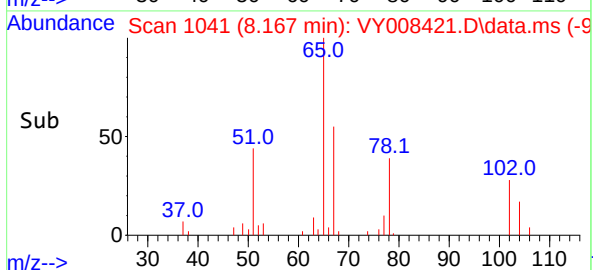
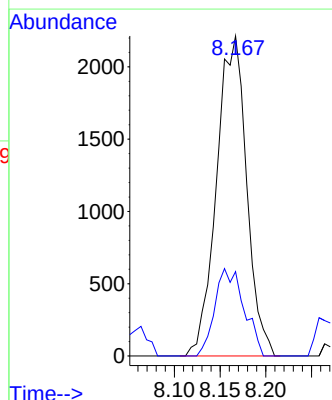
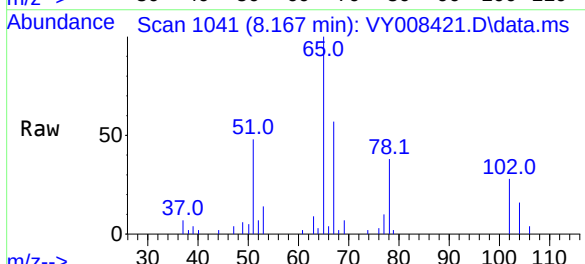
Acq: 20 Apr 2022 16:18

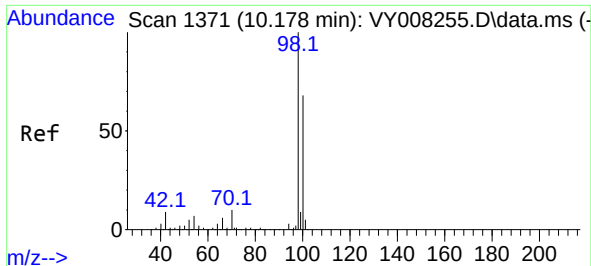
Tgt Ion: 78 Resp: 5065

Ion Ratio Lower Upper

78 100

77 26.4 20.4 30.6

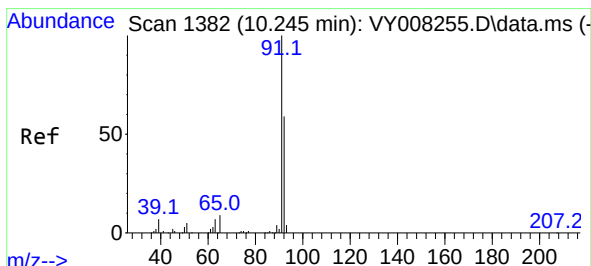
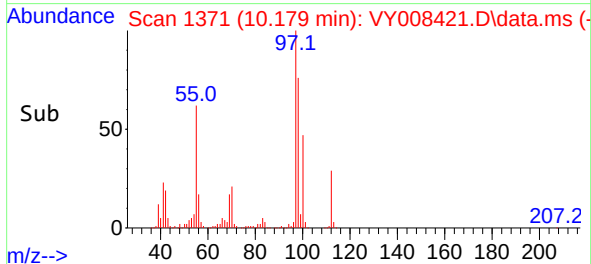
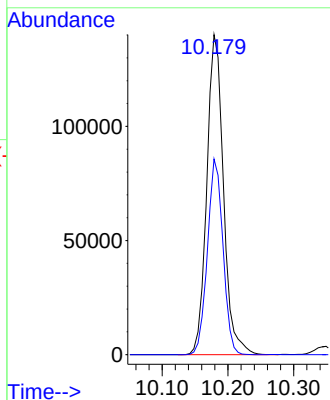
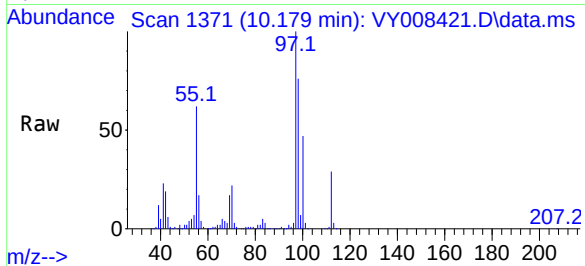




#50
Toluene-d8
Concen: 75.656 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

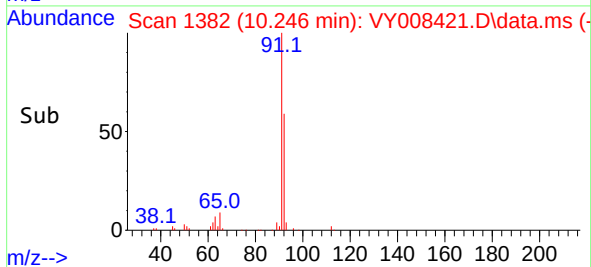
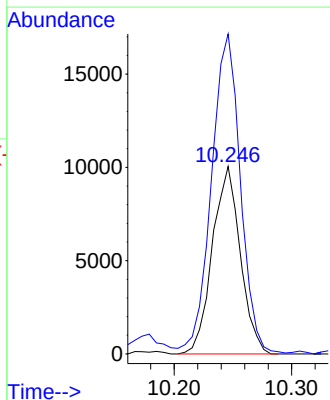
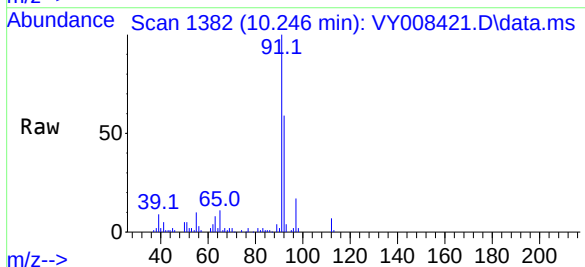
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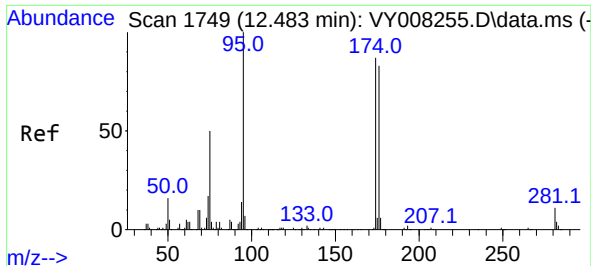
Tgt Ion: 98 Resp: 247374
Ion Ratio Lower Upper
98 100
100 56.9 50.2 75.2



#52
Toluene
Concen: 5.536 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion: 92 Resp: 16573
Ion Ratio Lower Upper
92 100
91 177.5 142.6 213.8

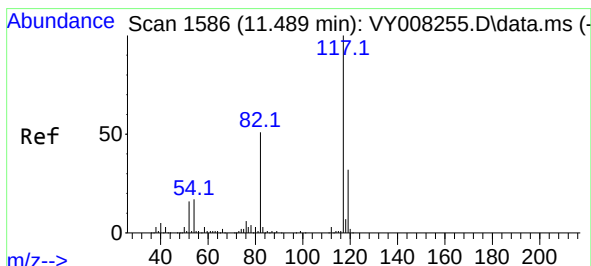
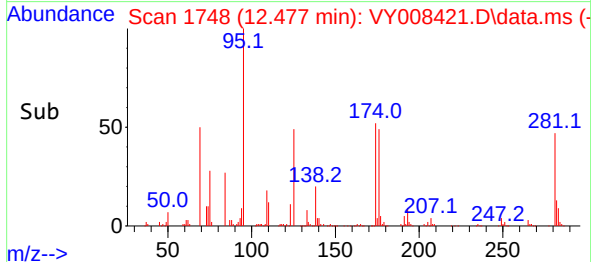
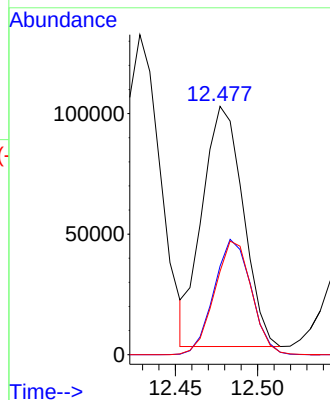
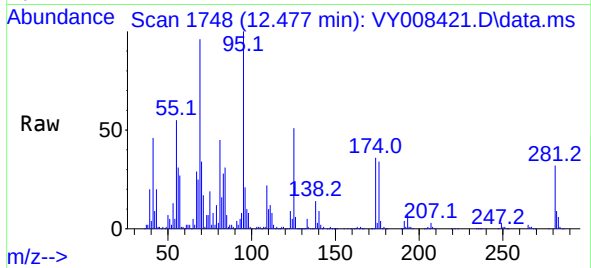




#62
4-Bromofluorobenzene
Concen: 140.070 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

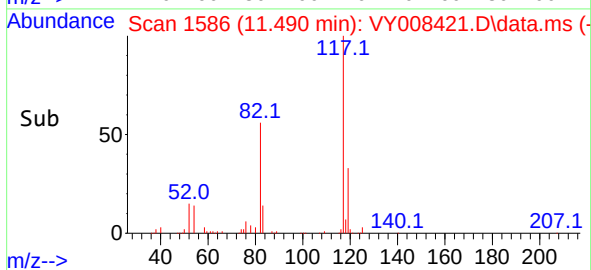
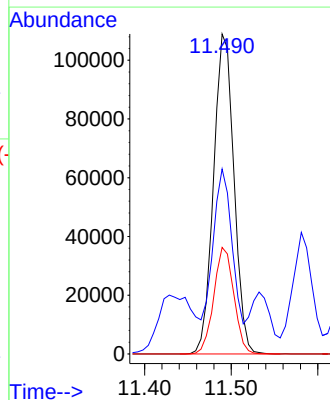
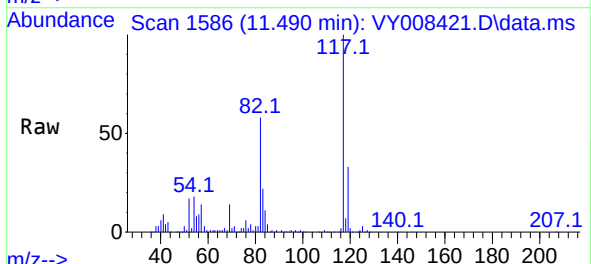
Instrument :
MSVOA_Y
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WC-15-1-1

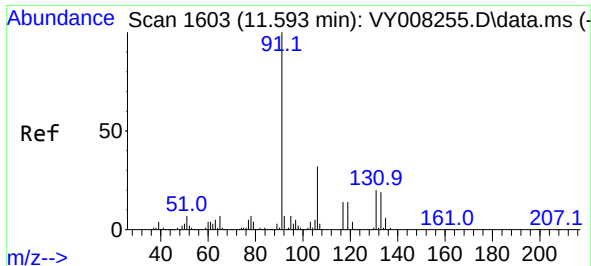
Tgt Ion: 95 Resp: 172261
Ion Ratio Lower Upper
95 100
174 43.6 0.0 177.0
176 42.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion: 117 Resp: 178426
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 33.3 25.4 38.0





#67

Ethyl Benzene

Concen: 24.387 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008421.D

Acq: 20 Apr 2022 16:18

Instrument :

MSVOA_Y

ClientSampleId :

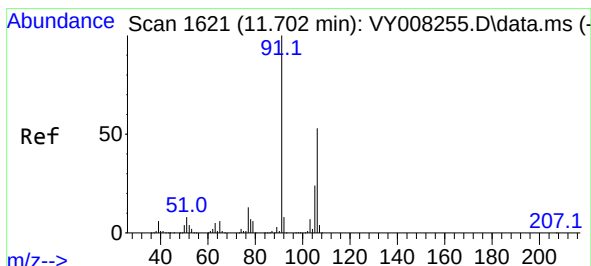
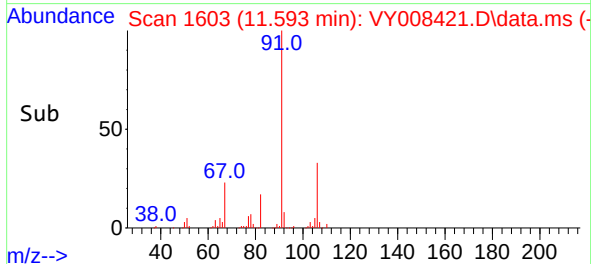
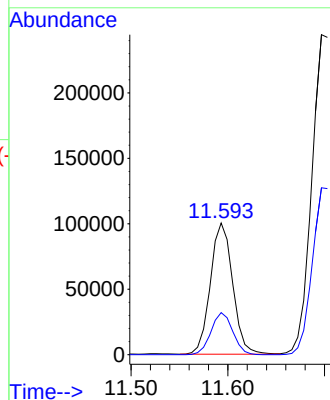
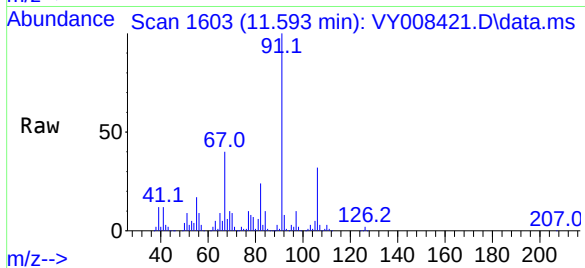
WC-15-1-1

Tgt Ion: 91 Resp: 160471

Ion Ratio Lower Upper

91 100

106 32.1 24.5 36.7



#68

m/p-Xylenes

Concen: 87.889 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.005 min

Lab File: VY008421.D

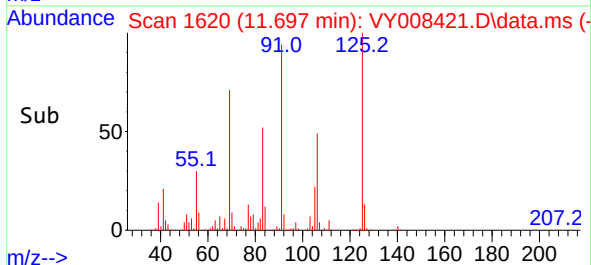
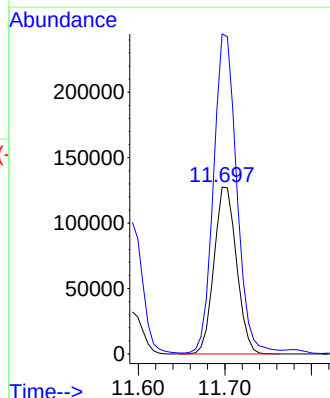
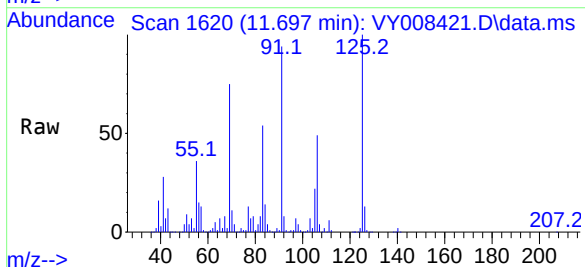
Acq: 20 Apr 2022 16:18

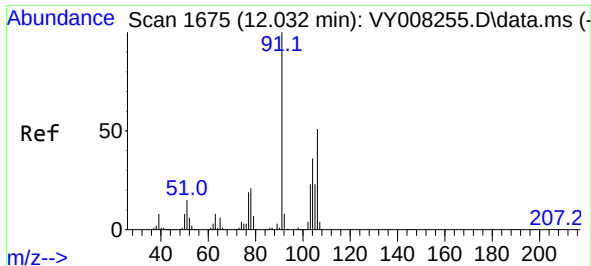
Tgt Ion:106 Resp: 230004

Ion Ratio Lower Upper

106 100

91 196.7 166.6 249.8

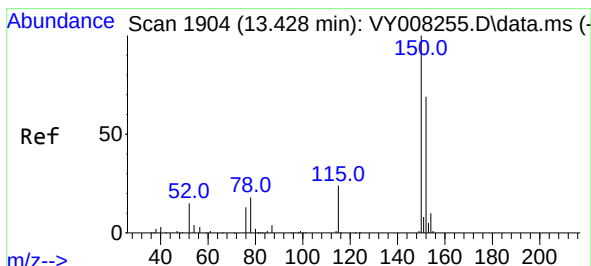
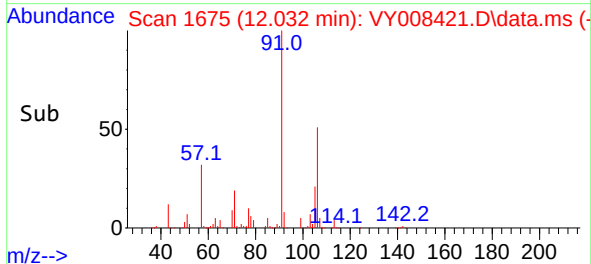
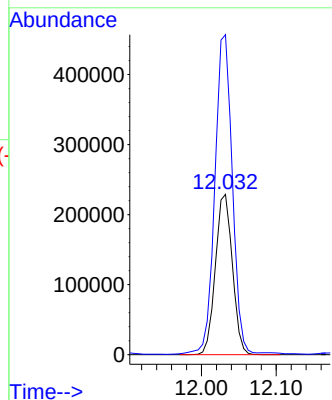
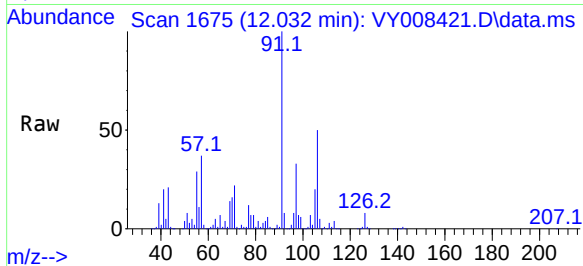




#69
o-Xylene
Concen: 142.351 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

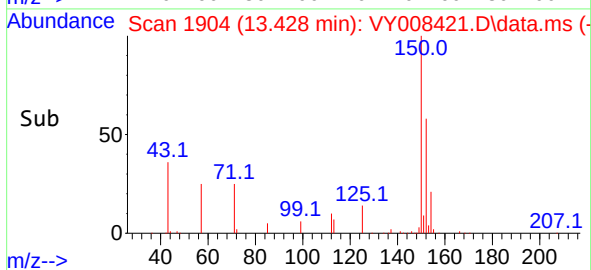
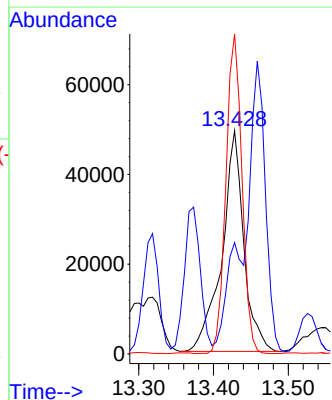
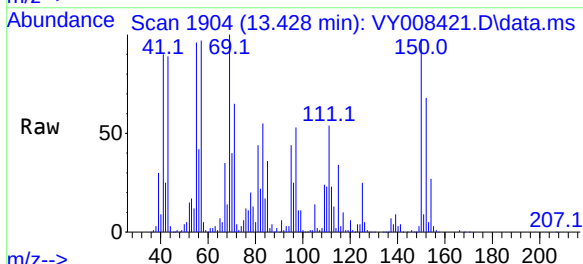
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

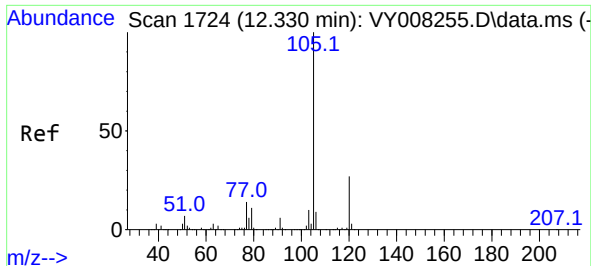
Tgt Ion:106 Resp: 361515
Ion Ratio Lower Upper
106 100
91 205.6 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion:152 Resp: 99988
Ion Ratio Lower Upper
152 100
115 35.7 28.2 84.7
150 106.4 0.0 347.6

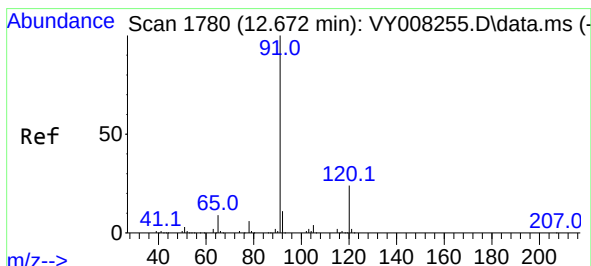
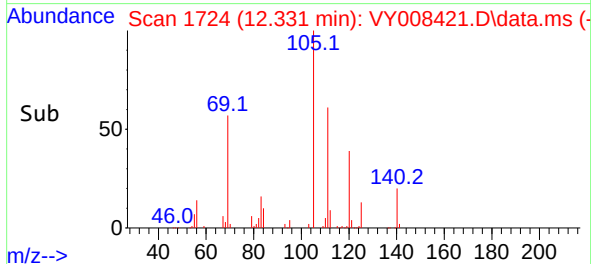
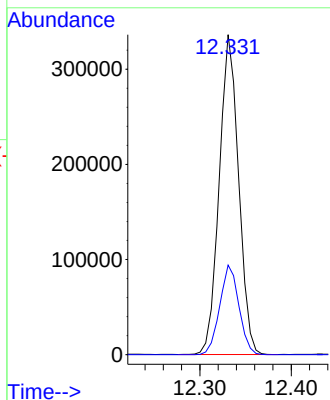
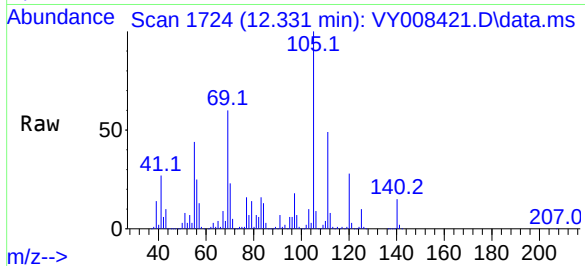




#73
Isopropylbenzene
Concen: 66.545 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

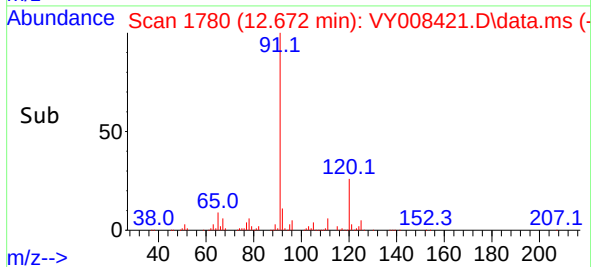
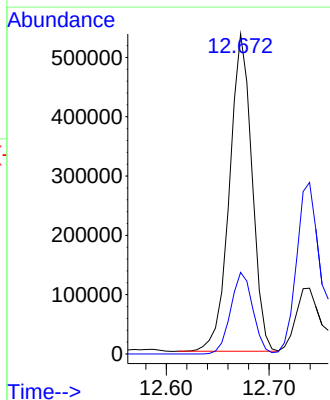
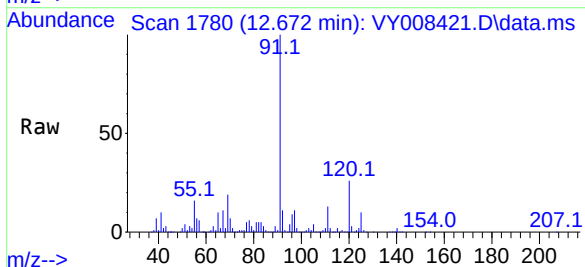
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

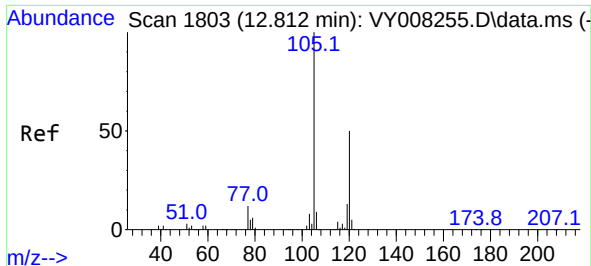
Tgt Ion:105 Resp: 494690
Ion Ratio Lower Upper
105 100
120 27.8 13.4 40.2



#78
n-propylbenzene
Concen: 92.806 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion: 91 Resp: 814100
Ion Ratio Lower Upper
91 100
120 25.2 11.3 33.9

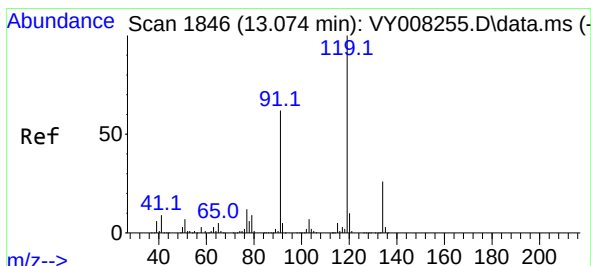
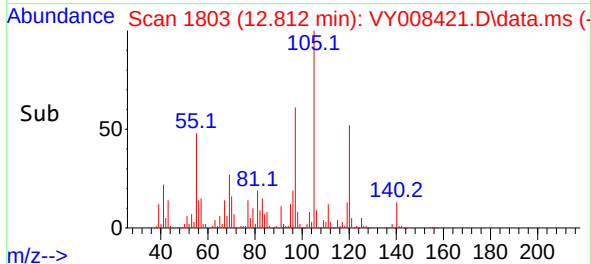
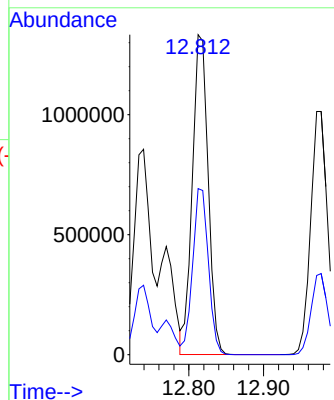
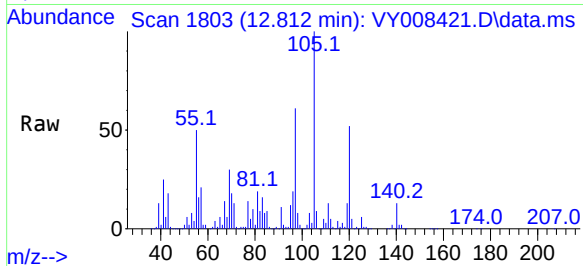




#80
1,3,5-Trimethylbenzene
Concen: 321.245 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

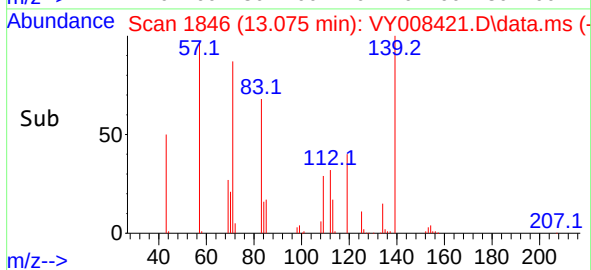
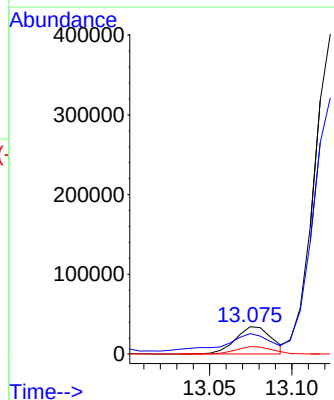
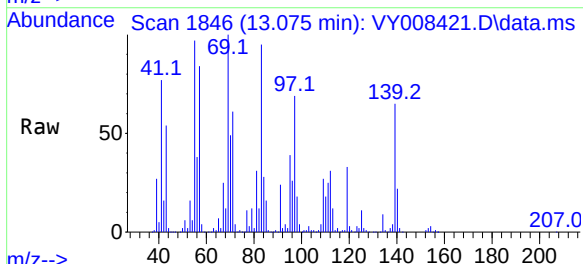
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

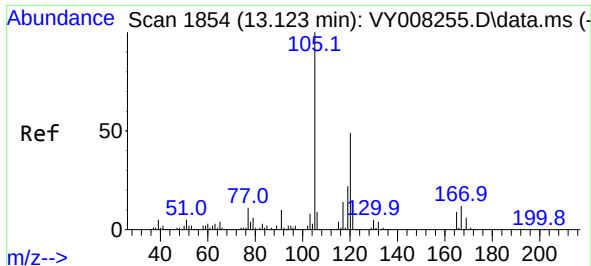
Tgt Ion:105 Resp: 1958228
Ion Ratio Lower Upper
105 100
120 51.7 24.4 73.4



#83
tert-Butylbenzene
Concen: 9.513 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.001 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion:119 Resp: 52025
Ion Ratio Lower Upper
119 100
91 75.5 34.8 104.4
134 27.0 13.3 39.9

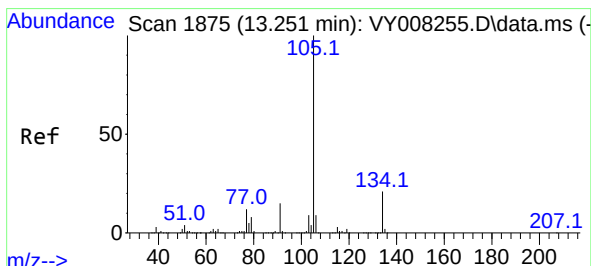
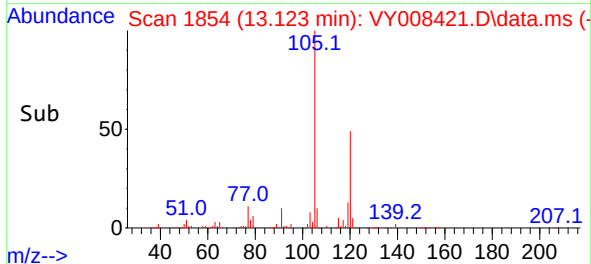
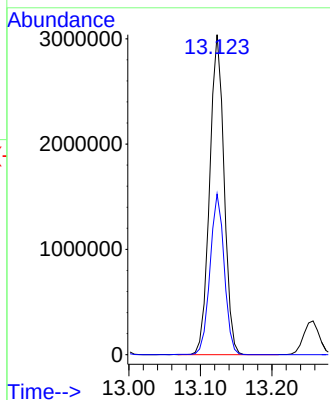
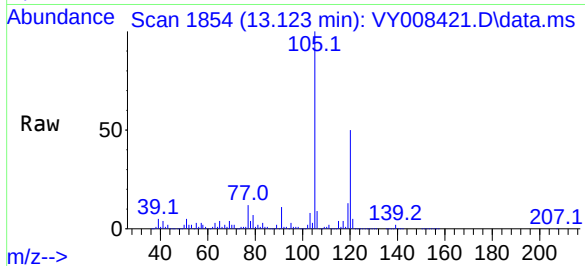




#84
1,2,4-Trimethylbenzene
Concen: 703.211 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

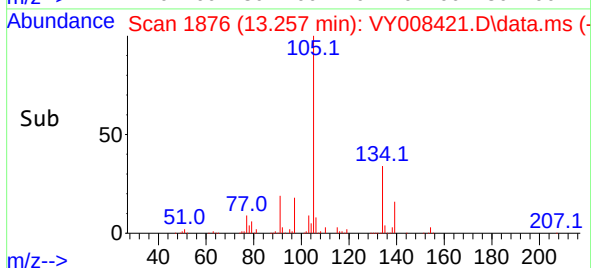
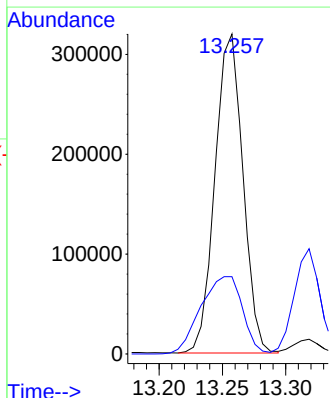
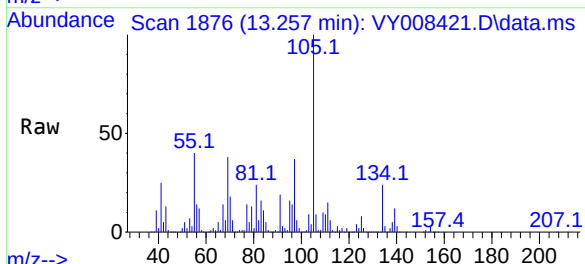
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-1

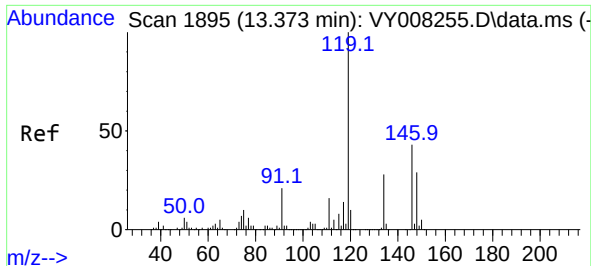
Tgt Ion:105 Resp: 4242166
Ion Ratio Lower Upper
105 100
120 49.6 22.3 66.9



#85
sec-Butylbenzene
Concen: 60.525 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion:105 Resp: 490699
Ion Ratio Lower Upper
105 100
134 36.3 10.2 30.4#

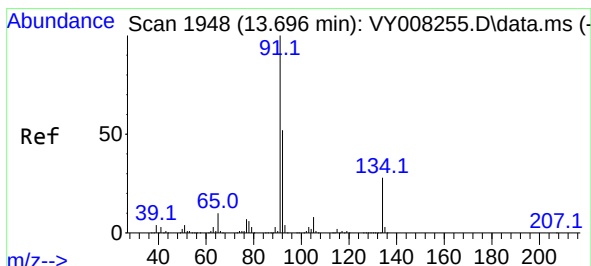
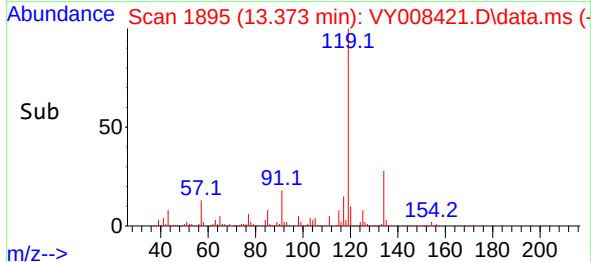
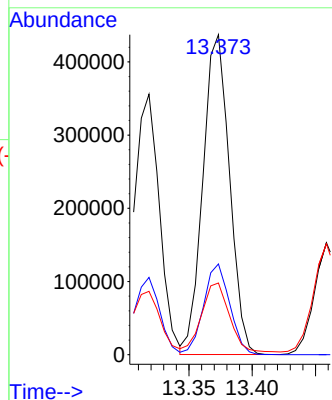
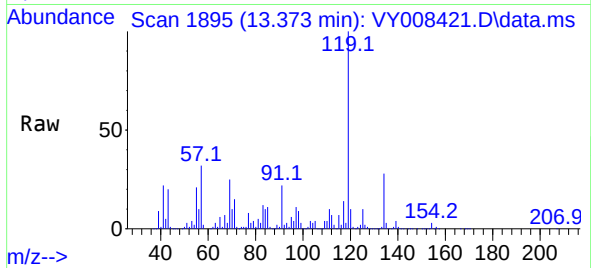




#86
p-Isopropyltoluene
Concen: 94.613 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

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

Tgt Ion:	119	Resp:	640098
Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.2	39.5
91	22.1	12.4	37.2



#89
n-Butylbenzene
Concen: 29.889 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008421.D
Acq: 20 Apr 2022 16:18

Tgt Ion:	91	Resp:	182697
Ion	Ratio	Lower	Upper
91	100		
92	61.1	26.3	78.9
134	0.0	13.0	38.9

