

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042522\
 Data File : VY008480.D
 Acq On : 25 Apr 2022 14:30
 Operator : KP/MD
 Sample : N2468-03
 Misc : 5.53g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-15-1-6

Quant Time: Apr 26 01:56:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

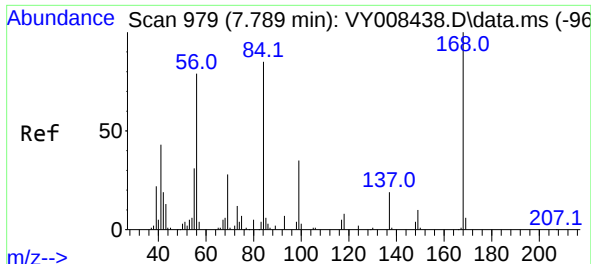
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	19814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	28136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	15283	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.398	152	12713	50.000	ug/l	#-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6078	26.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	52.140%
35) Dibromofluoromethane	7.716	113	8077	44.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.960%
50) Toluene-d8	10.179	98	65533	88.802	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	177.600%#
62) 4-Bromofluorobenzene	12.471	95	43749	178.924	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	357.840%#
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	8327	153.346	ug/l	91
17) Carbon Disulfide	4.198	76	2173	3.356	ug/l	98
25) 2-Butanone	6.990	43	3014	35.877	ug/l	95
31) Cyclohexane	7.783	56	45475	118.651	ug/l	87
39) Methylcyclohexane	9.185	83	291392	787.898	ug/l #	81
40) Benzene	8.155	78	1434	1.702	ug/l #	87
52) Toluene	10.246	92	3506	6.291	ug/l	93
67) Ethyl Benzene	11.593	91	16987	28.324	ug/l #	88
68) m/p-Xylenes	11.697	106	41776	173.902	ug/l	96
69) o-Xylene	12.026	106	43720	189.039	ug/l	98
73) Isopropylbenzene	12.331	105	119074	123.535	ug/l	97
78) n-propylbenzene	12.672	91	121412	105.013	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	152437	190.528	ug/l	97
83) tert-Butylbenzene	13.075	119	16081	23.153	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	282667	356.074	ug/l	92
85) sec-Butylbenzene	13.251	105	89367	85.259	ug/l #	65
86) p-Isopropyltoluene	13.367	119	25890	29.493	ug/l	93
89) n-Butylbenzene	13.696	91	21041	26.409	ug/l #	77

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration

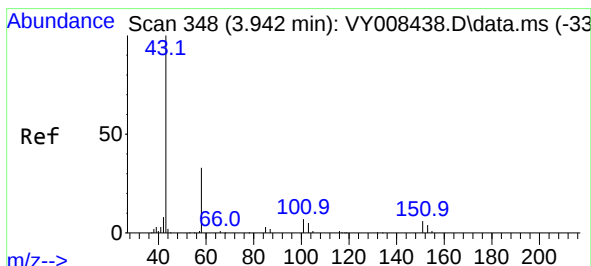
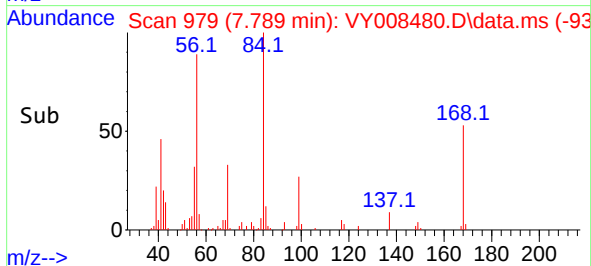
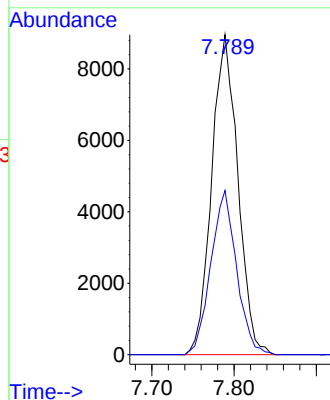
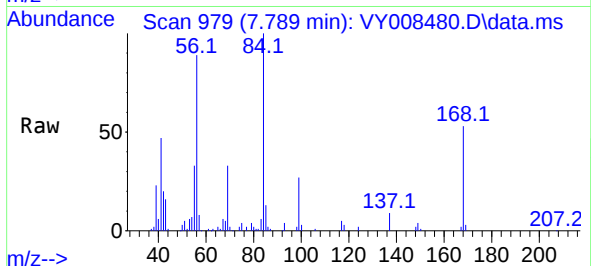




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

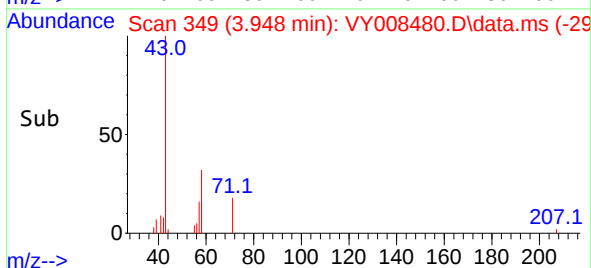
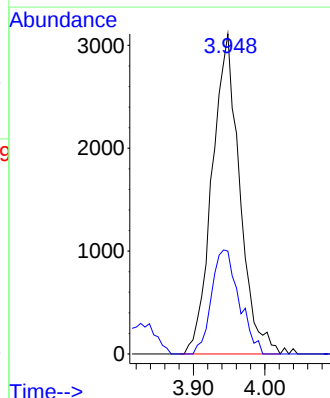
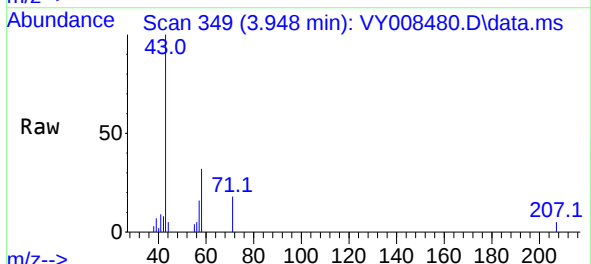
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

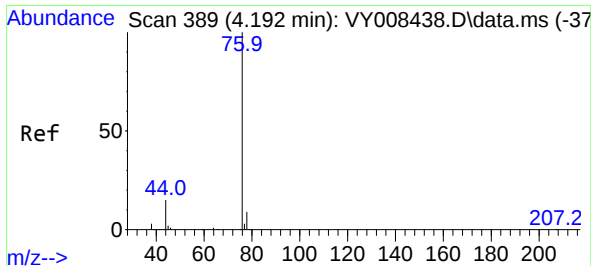
Tgt Ion:168 Resp: 19814
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#16
Acetone
Concen: 153.346 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 43 Resp: 8327
Ion Ratio Lower Upper
43 100
58 32.2 22.0 33.0

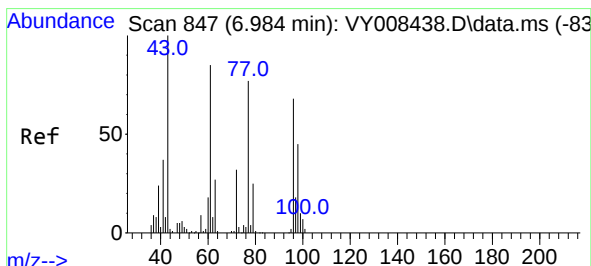
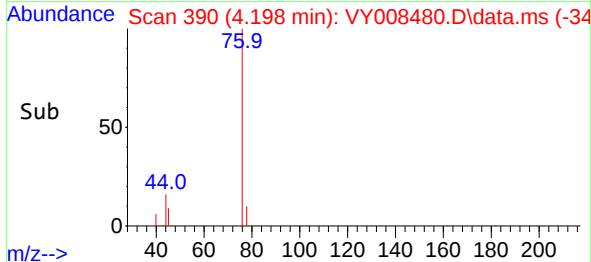
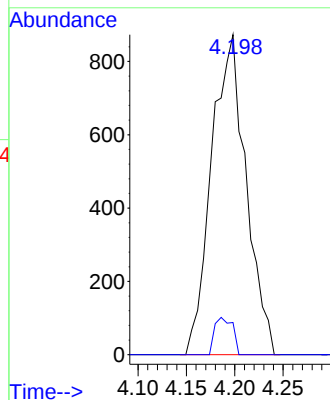
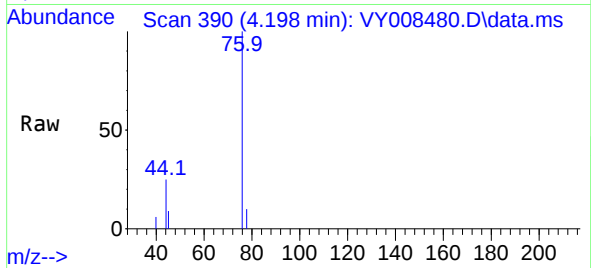




#17
Carbon Disulfide
Concen: 3.356 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

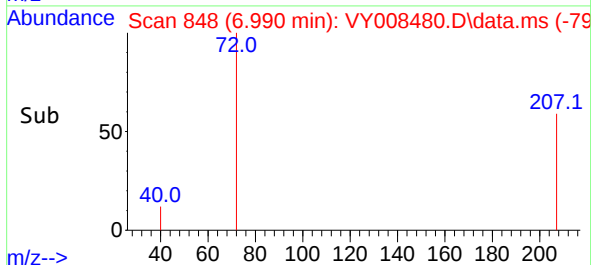
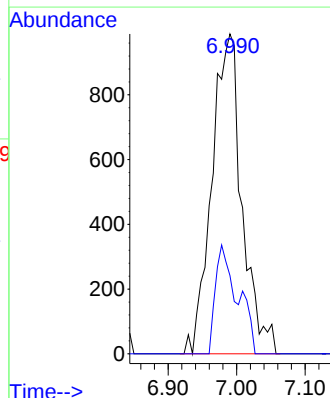
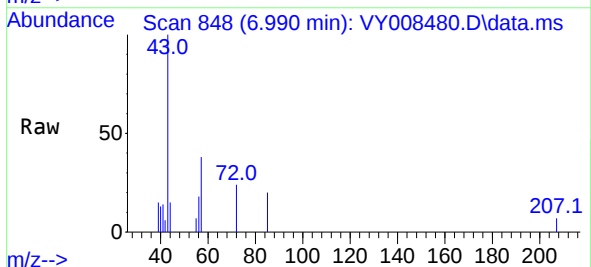
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

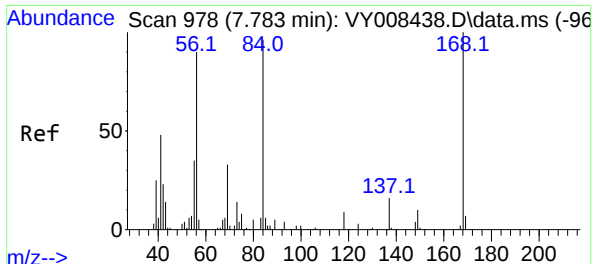
Tgt Ion: 76 Resp: 2173
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0



#25
2-Butanone
Concen: 35.877 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 43 Resp: 3014
Ion Ratio Lower Upper
43 100
72 24.5 17.7 26.5





#31

Cyclohexane

Concen: 118.651 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY008480.D

Acq: 25 Apr 2022 14:30

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-6

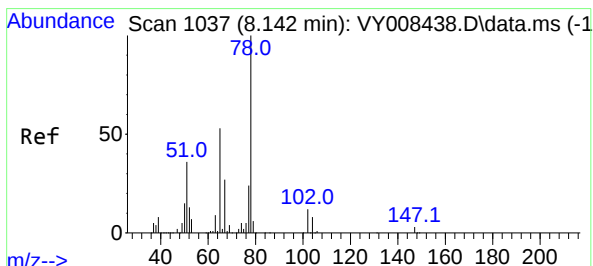
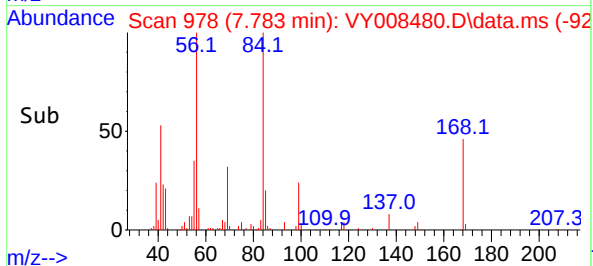
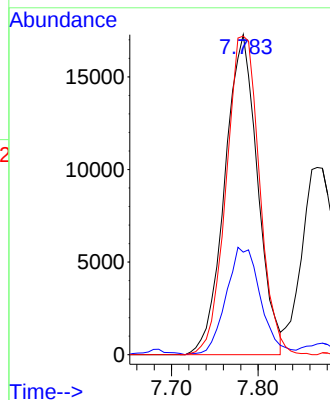
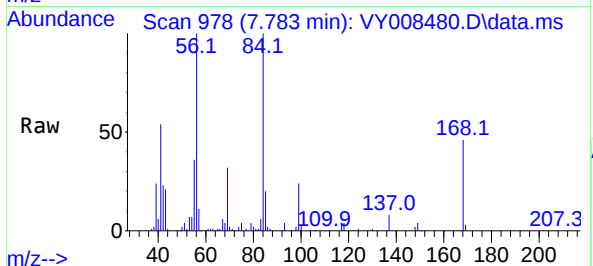
Tgt Ion: 56 Resp: 45475

Ion Ratio Lower Upper

56 100

69 31.6 26.7 40.1

84 99.5 67.2 100.8



#33

1,2-Dichloroethane-d4

Concen: 26.071 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008480.D

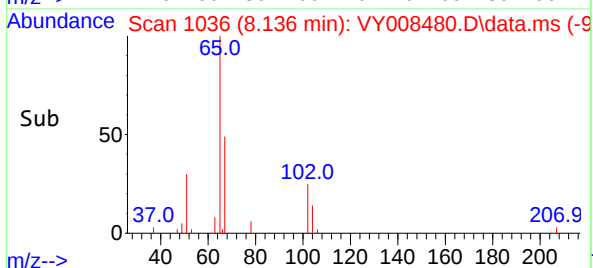
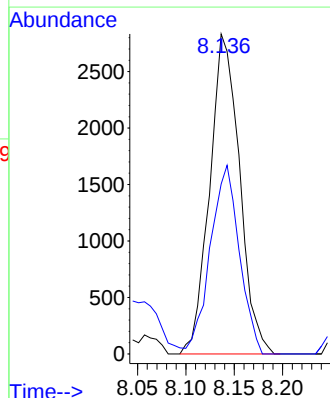
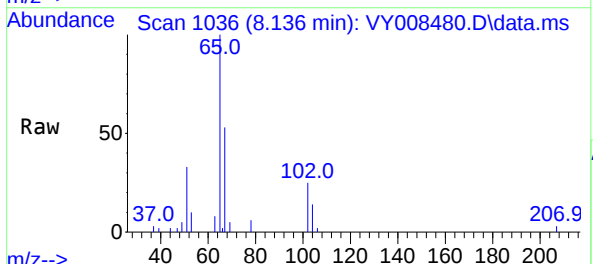
Acq: 25 Apr 2022 14:30

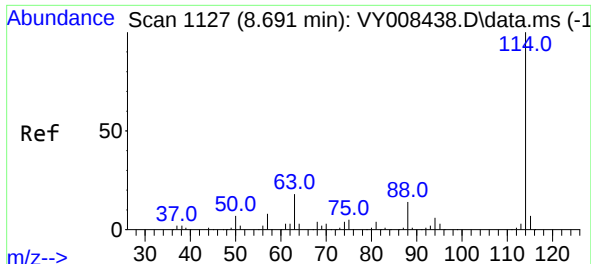
Tgt Ion: 65 Resp: 6078

Ion Ratio Lower Upper

65 100

67 57.3 0.0 99.4

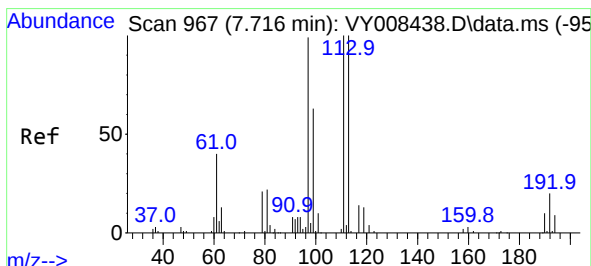
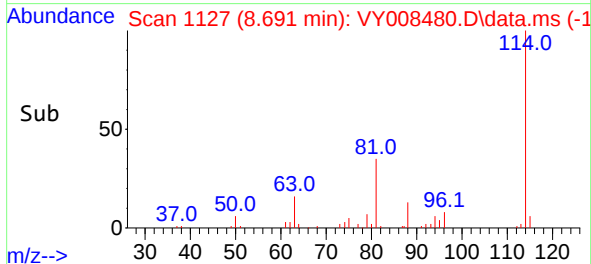
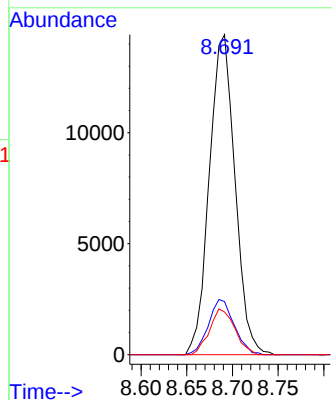
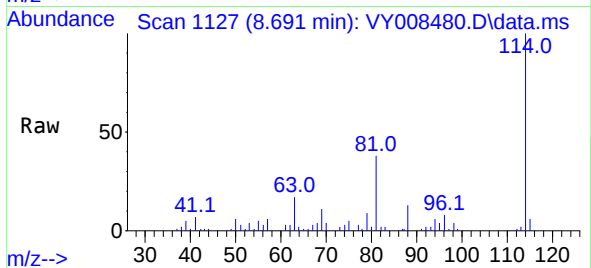




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

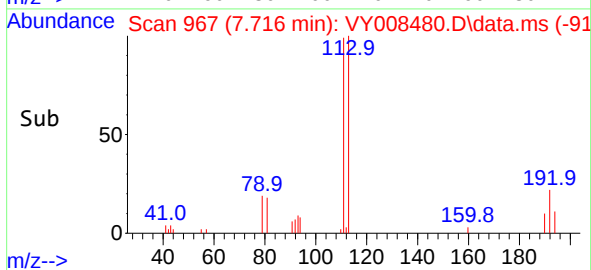
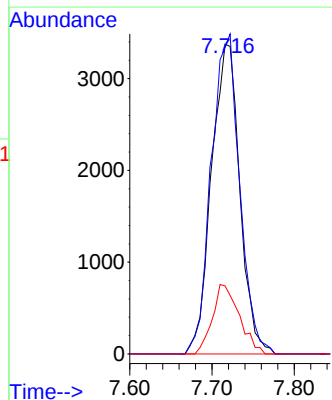
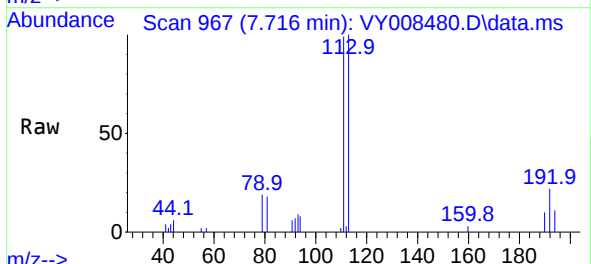
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

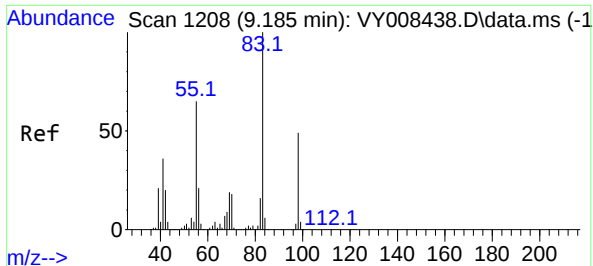
Tgt Ion:114	Resp:	28136
Ion Ratio	Lower	Upper
114	100	
63	16.6	0.0 43.2
88	13.4	0.0 31.8



#35
Dibromofluoromethane
Concen: 44.481 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:113	Resp:	8077
Ion Ratio	Lower	Upper
113	100	
111	103.4	82.6 124.0
192	21.2	17.6 26.4

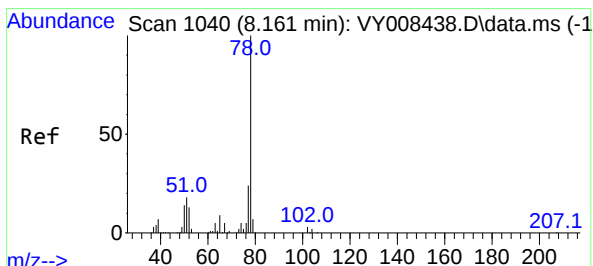
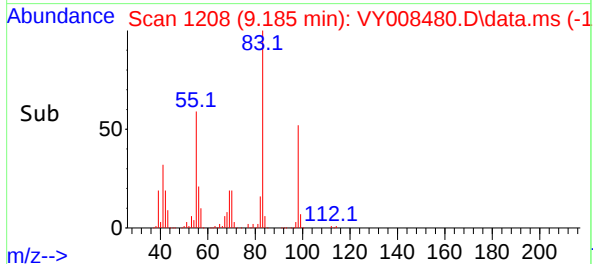
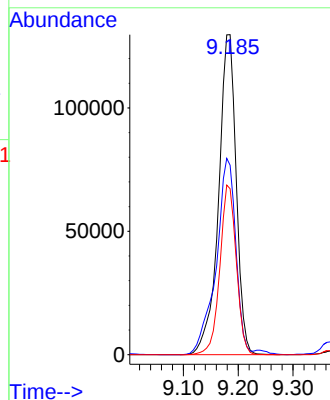
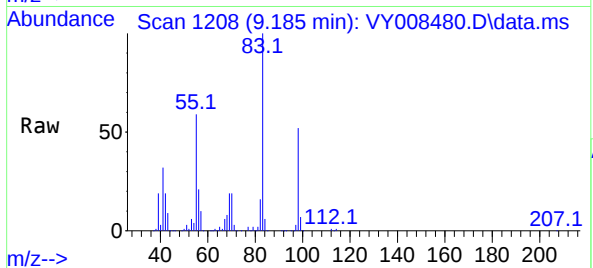




#39
Methylcyclohexane
Concen: 787.898 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

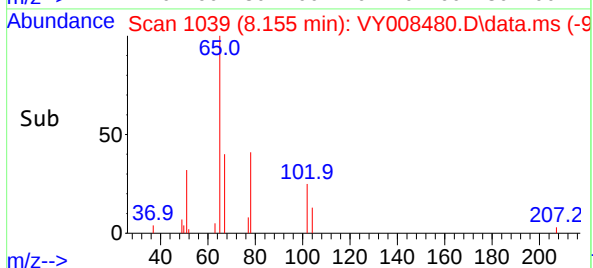
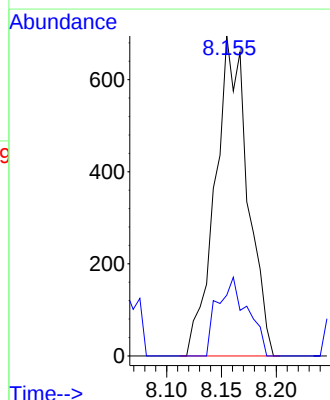
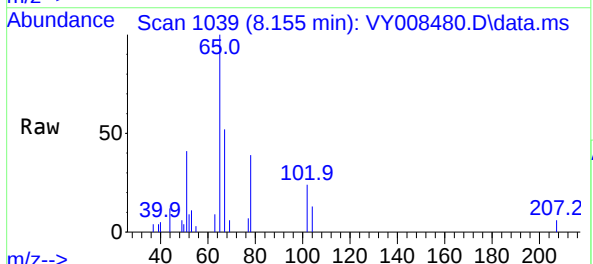
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

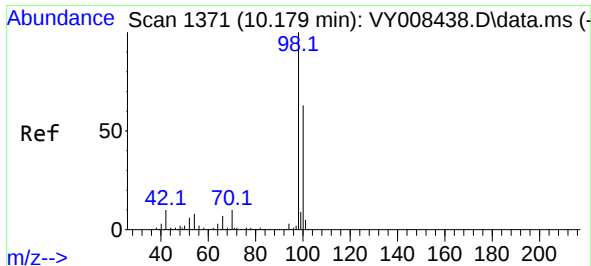
Tgt Ion: 83 Resp: 291392
Ion Ratio Lower Upper
83 100
55 59.2 66.5 99.7#
98 51.8 37.9 56.9



#40
Benzene
Concen: 1.702 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 78 Resp: 1434
Ion Ratio Lower Upper
78 100
77 19.0 20.4 30.6#

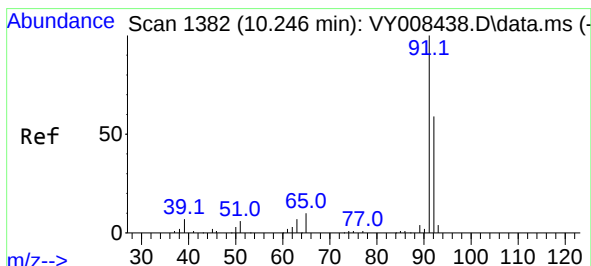
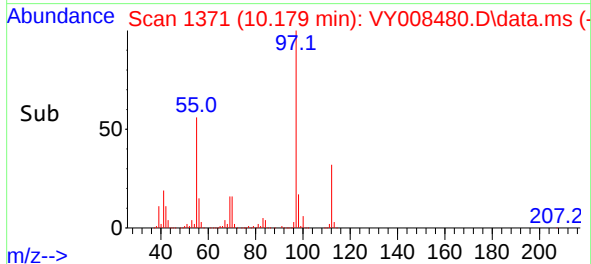
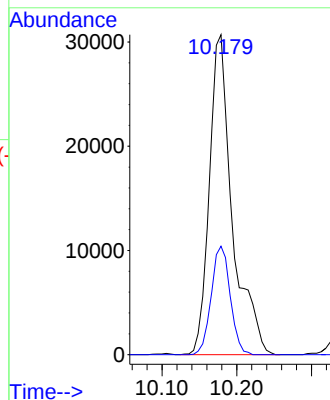
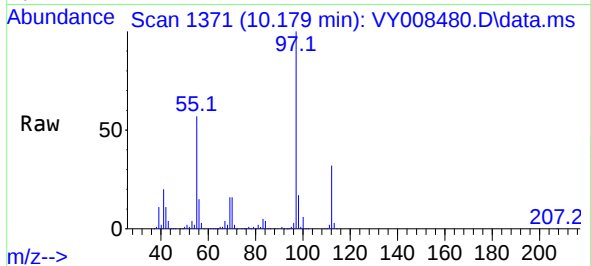




#50
Toluene-d8
Concen: 88.802 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

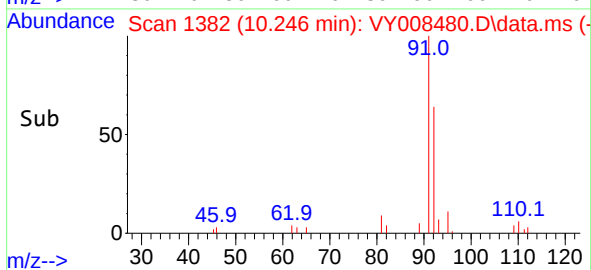
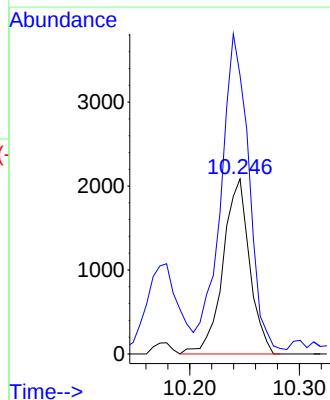
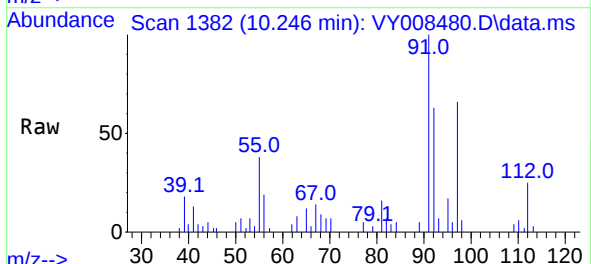
Instrument :
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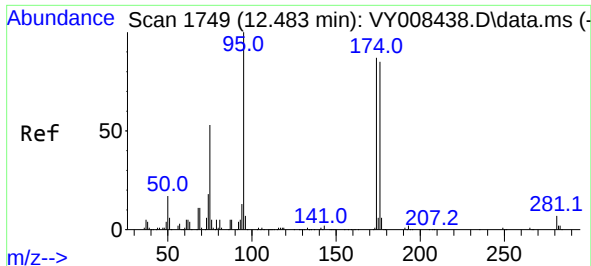
Tgt Ion: 98 Resp: 65533
Ion Ratio Lower Upper
98 100
100 28.0 50.2 75.2#



#52
Toluene
Concen: 6.291 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 92 Resp: 3506
Ion Ratio Lower Upper
92 100
91 187.8 142.6 213.8

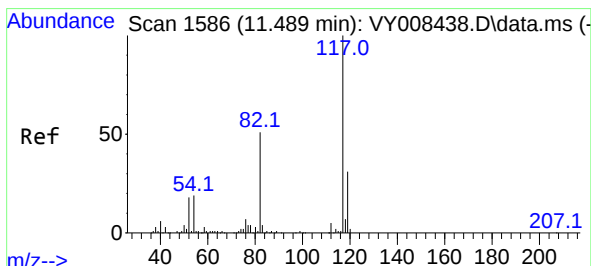
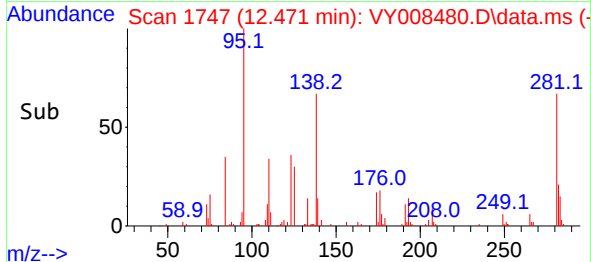
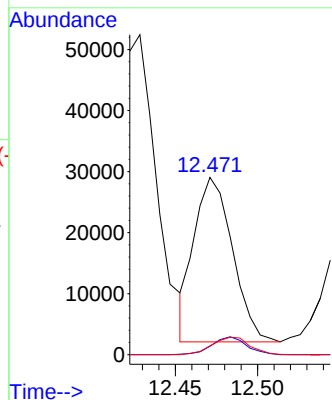
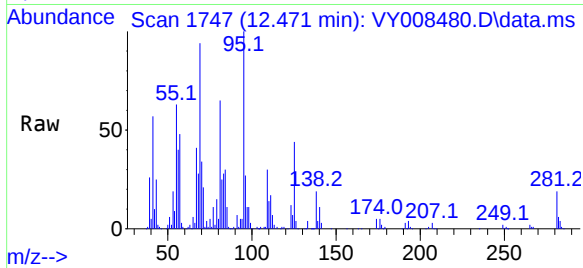




#62
4-Bromofluorobenzene
Concen: 178.924 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.012 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

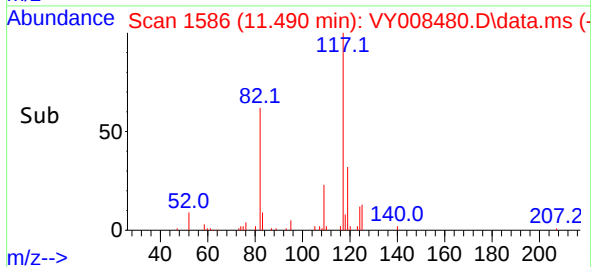
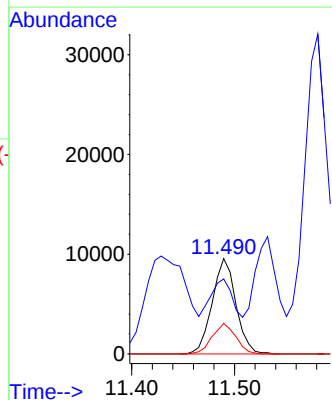
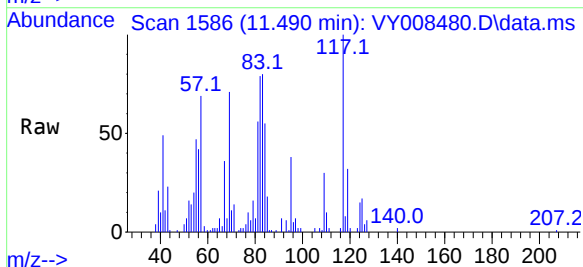
Instrument :
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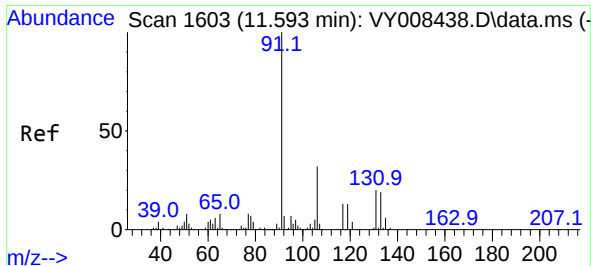
Tgt Ion: 95 Resp: 43749
Ion Ratio Lower Upper
95 100
174 9.7 0.0 177.0
176 10.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 117 Resp: 15283
Ion Ratio Lower Upper
117 100
82 23.2 43.0 64.4#
119 32.1 25.4 38.0

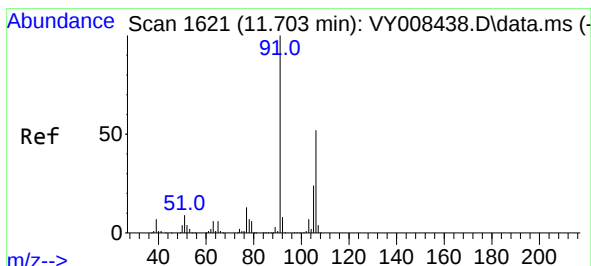
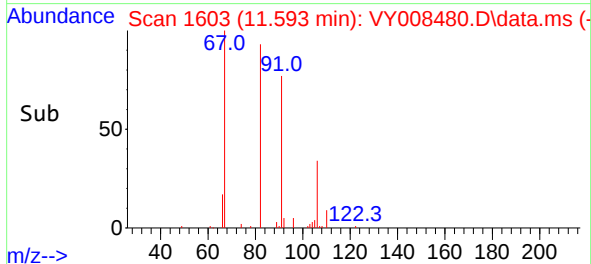
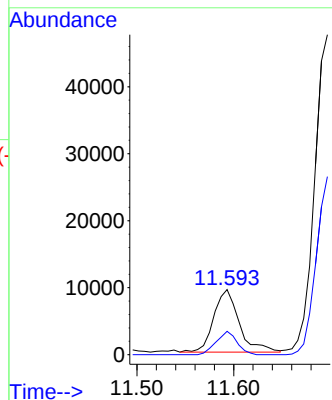
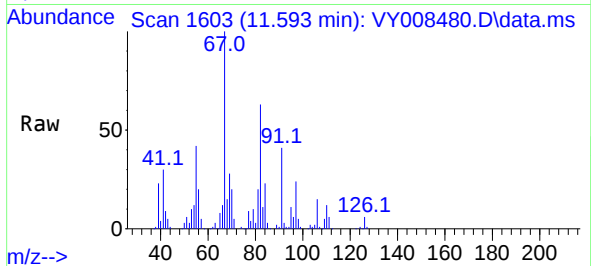




#67
Ethyl Benzene
Concen: 28.324 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

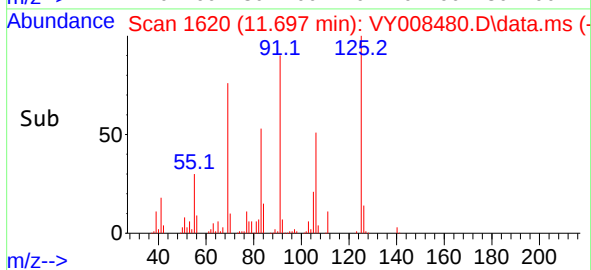
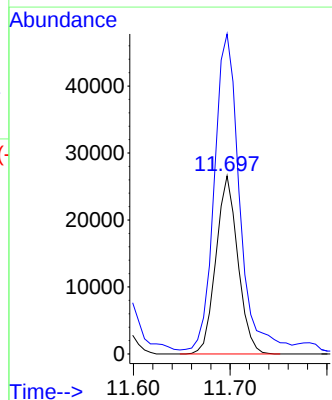
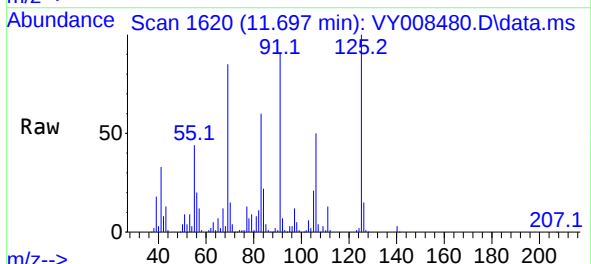
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

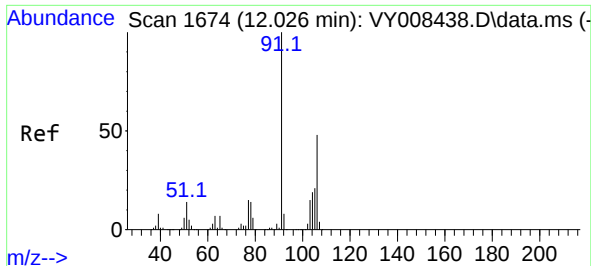
Tgt Ion: 91 Resp: 16987
Ion Ratio Lower Upper
91 100
106 37.3 24.5 36.7#



#68
m/p-Xylenes
Concen: 173.902 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:106 Resp: 41776
Ion Ratio Lower Upper
106 100
91 201.4 166.6 249.8

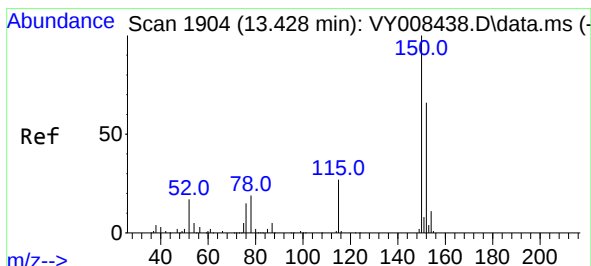
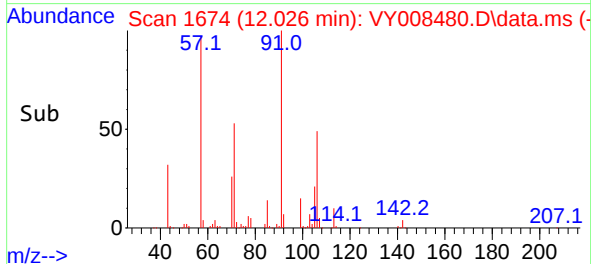
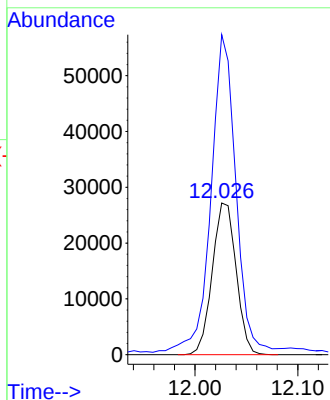
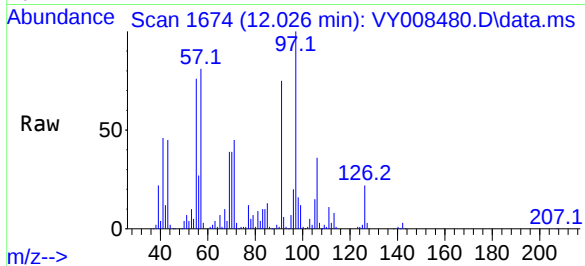




#69
o-Xylene
Concen: 189.039 ug/l
RT: 12.026 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

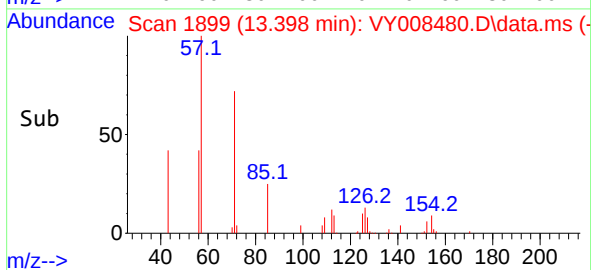
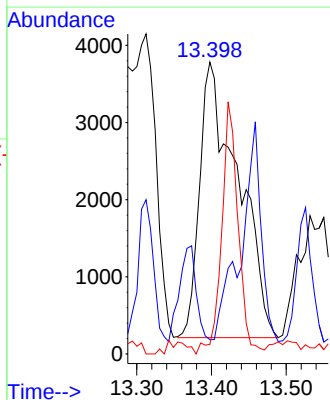
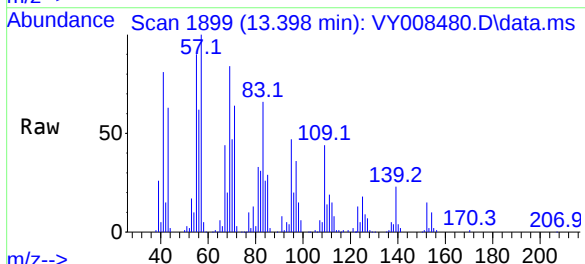
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

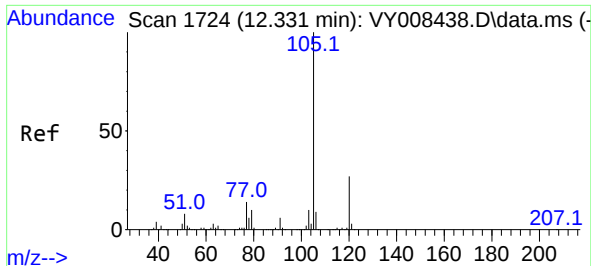
Tgt Ion:106 Resp: 43720
Ion Ratio Lower Upper
106 100
91 216.9 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.398 min Scan# 1899
Delta R.T. -0.030 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:152 Resp: 12713
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 0.0 0.0 347.6

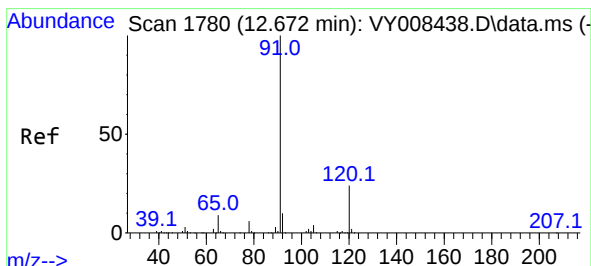
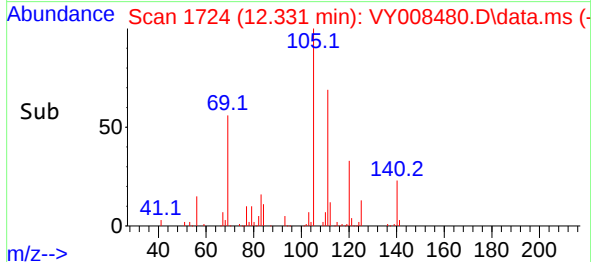
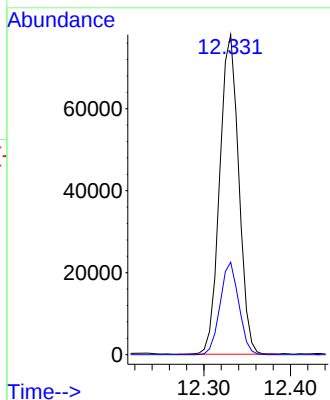
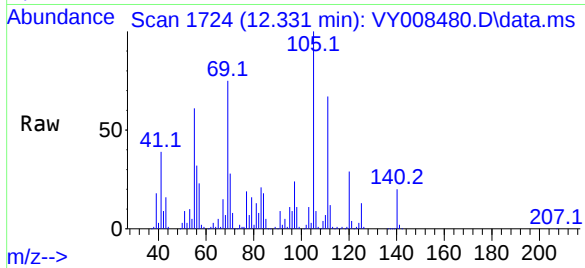




#73
Isopropylbenzene
Concen: 123.535 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

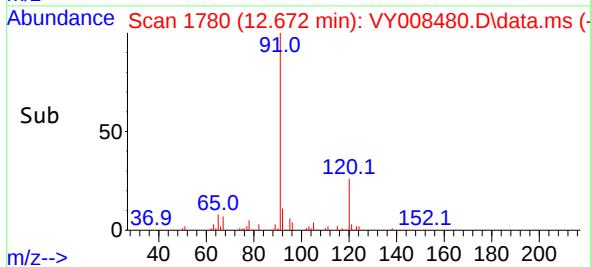
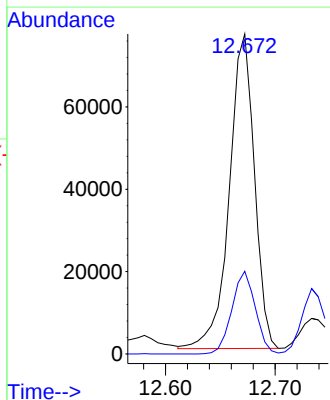
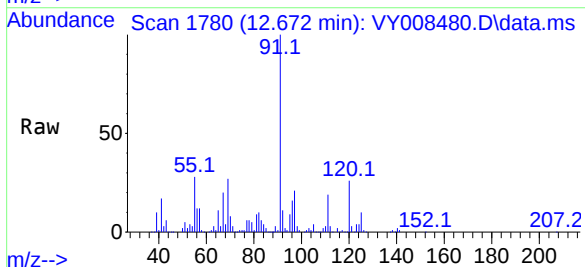
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

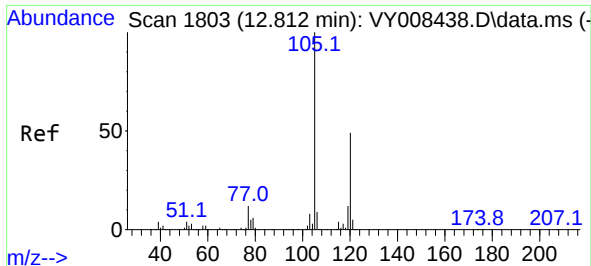
Tgt Ion:105 Resp: 119074
Ion Ratio Lower Upper
105 100
120 28.3 13.4 40.2



#78
n-propylbenzene
Concen: 105.013 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion: 91 Resp: 121412
Ion Ratio Lower Upper
91 100
120 24.6 11.3 33.9

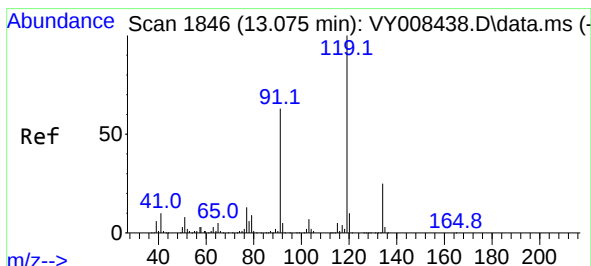
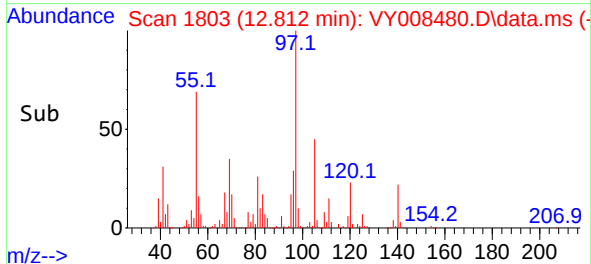
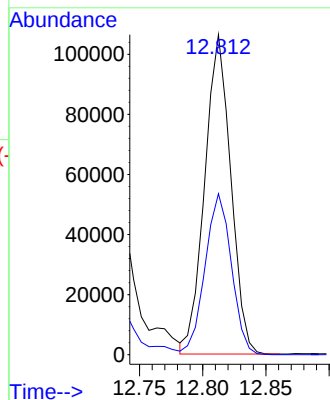
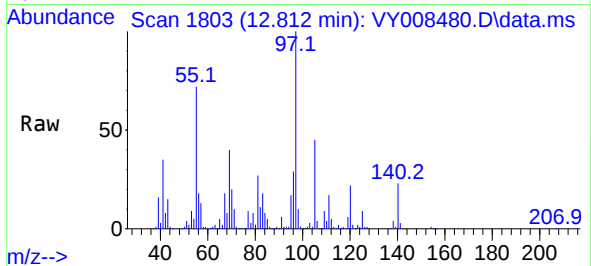




#80
1,3,5-Trimethylbenzene
Concen: 190.528 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

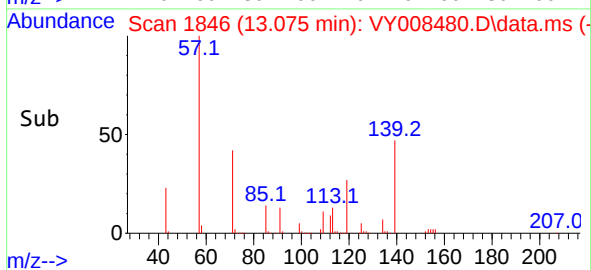
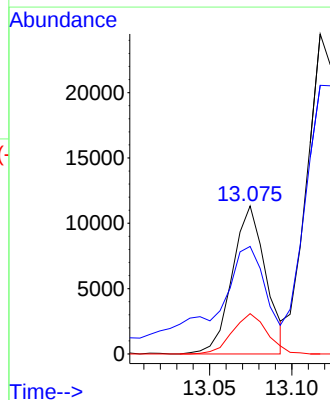
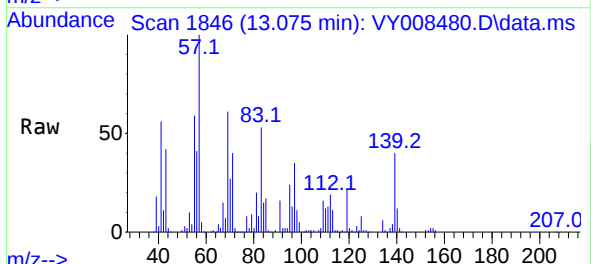
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

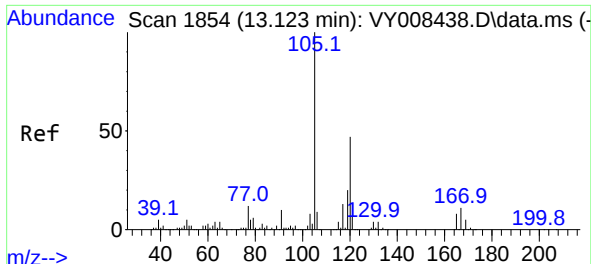
Tgt Ion:105 Resp: 152437
Ion Ratio Lower Upper
105 100
120 50.9 24.4 73.4



#83
tert-Butylbenzene
Concen: 23.153 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:119 Resp: 16081
Ion Ratio Lower Upper
119 100
91 80.5 34.8 104.4
134 28.1 13.3 39.9

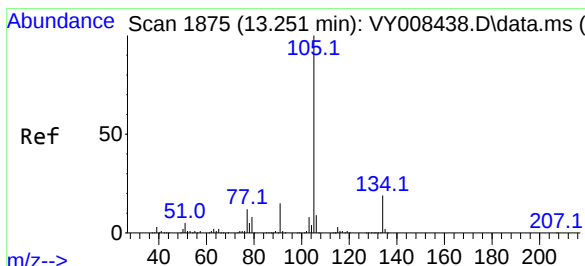
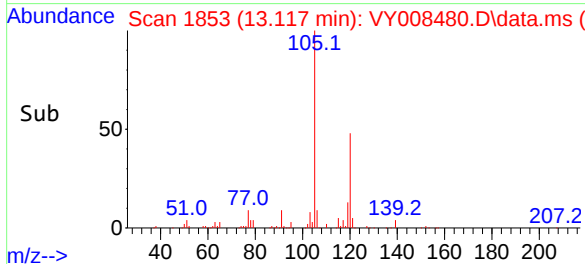
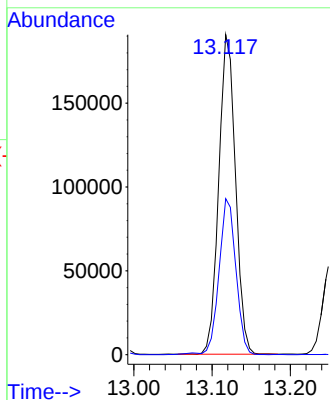
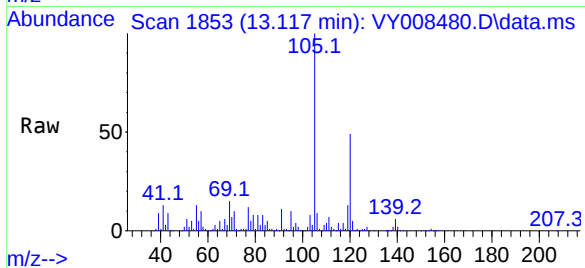




#84
1,2,4-Trimethylbenzene
Concen: 356.074 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

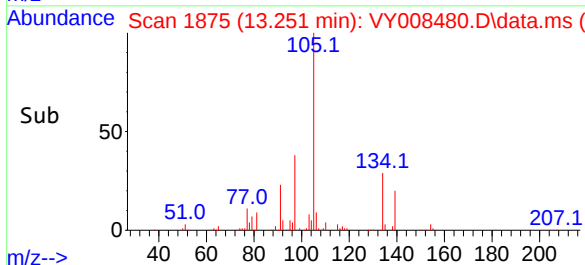
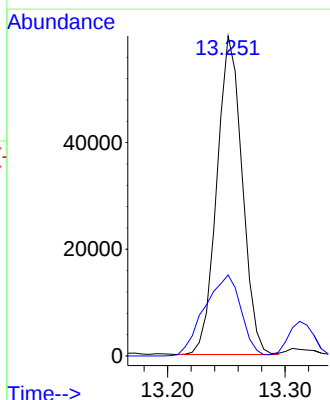
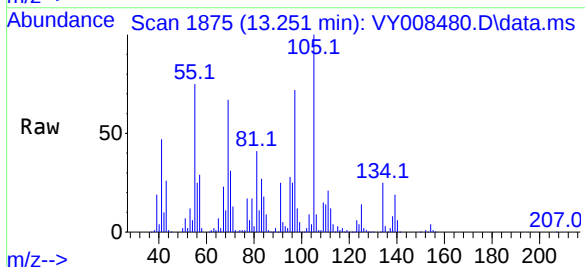
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

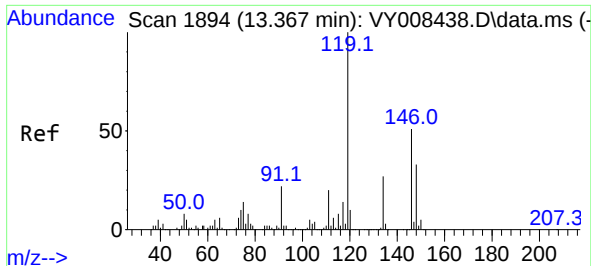
Tgt Ion:105 Resp: 282667
Ion Ratio Lower Upper
105 100
120 49.5 22.3 66.9



#85
sec-Butylbenzene
Concen: 85.259 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:105 Resp: 89367
Ion Ratio Lower Upper
105 100
134 36.4 10.2 30.4#

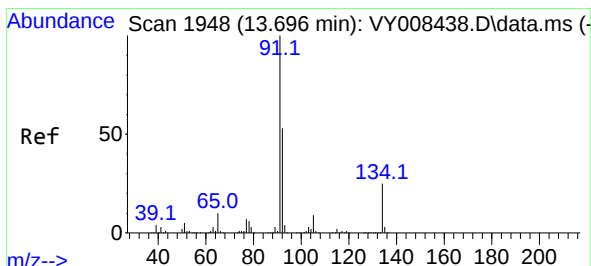
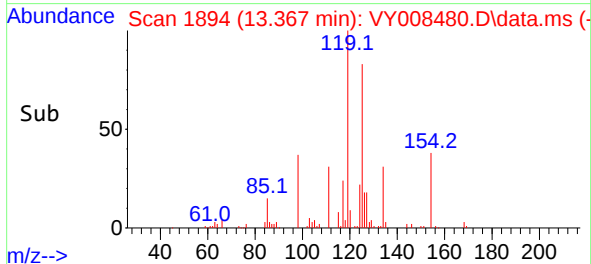
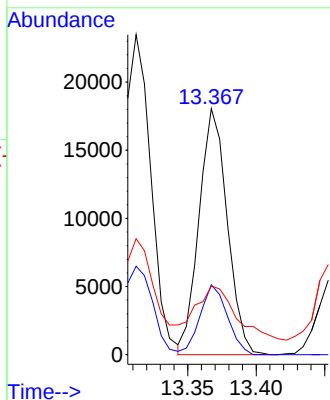
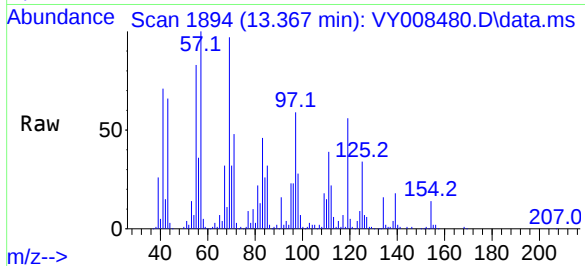




#86
p-Isopropyltoluene
Concen: 29.493 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-6

Tgt Ion:	119	Resp:	25890
Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.2	39.5
91	31.0	12.4	37.2



#89
n-Butylbenzene
Concen: 26.409 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008480.D
Acq: 25 Apr 2022 14:30

Tgt Ion:	91	Resp:	21041
Ion	Ratio	Lower	Upper
91	100		
92	59.1	26.3	78.9
134	0.0	13.0	38.9#

