

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042222\
 Data File : VY008458.D
 Acq On : 22 Apr 2022 12:40
 Operator : KP/MD
 Sample : N2452-01
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 23 01:51:23 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)

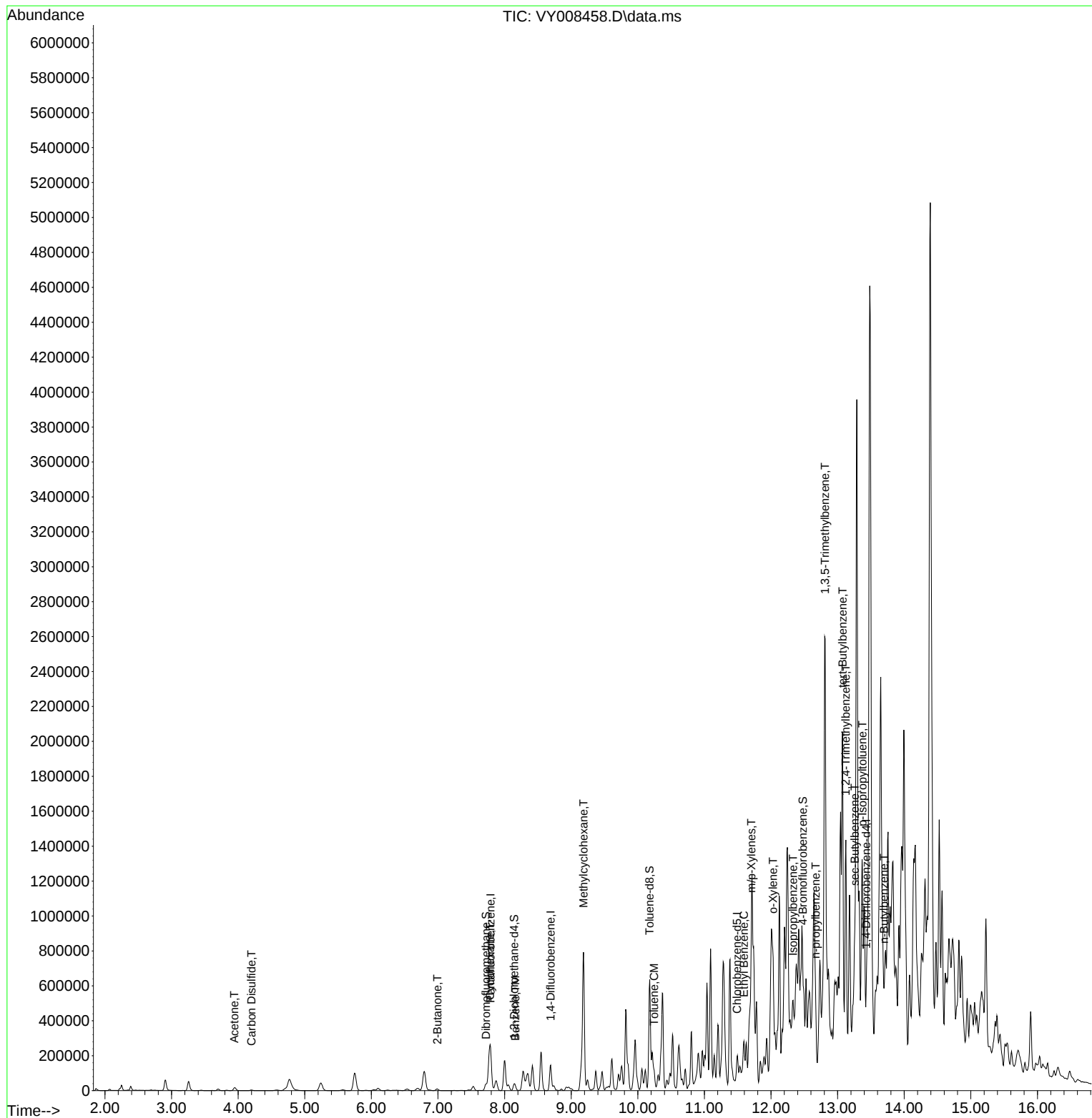
Internal Standards						
1) Pentafluorobenzene	7.789	168	55015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	86325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	54671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	17573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	24689	38.140	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.280%
35) Dibromofluoromethane	7.722	113	25840	46.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.760%
50) Toluene-d8	10.179	98	118290	53.136	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.280%
62) 4-Bromofluorobenzene	12.477	95	42392	56.508	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.020%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	27844	184.674	ug/l	94
17) Carbon Disulfide	4.198	76	7629	4.243	ug/l	99
25) 2-Butanone	6.990	43	14488	62.112	ug/l #	79
31) Cyclohexane	7.783	56	105629	99.260	ug/l	89
39) Methylcyclohexane	9.185	83	358511	315.951	ug/l #	86
40) Benzene	8.161	78	16554	6.403	ug/l	100
52) Toluene	10.246	92	42078	24.610	ug/l	98
67) Ethyl Benzene	11.593	91	114766	53.494	ug/l	98
68) m/p-Xylenes	11.703	106	89983	104.710	ug/l	93
69) o-Xylene	12.032	106	126891	153.374	ug/l	90
73) Isopropylbenzene	12.331	105	94611	71.009	ug/l	99
78) n-propylbenzene	12.672	91	142219	88.990	ug/l	95
80) 1,3,5-Trimethylbenzene	12.812	105	301406	272.536	ug/l	97
83) tert-Butylbenzene	13.075	119	21492	22.386	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	623408	568.120	ug/l	94
85) sec-Butylbenzene	13.258	105	76937	53.101	ug/l #	66
86) p-Isopropyltoluene	13.373	119	398330	328.276	ug/l	96
89) n-Butylbenzene	13.696	91	42860	38.917	ug/l #	77

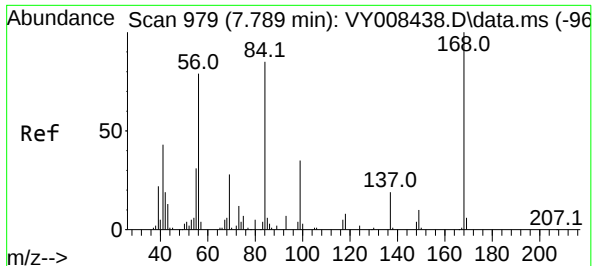
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042222\
Data File : VY008458.D
Acq On : 22 Apr 2022 12:40
Operator : KP/MD
Sample : N2452-01
Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Apr 23 01:51:23 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

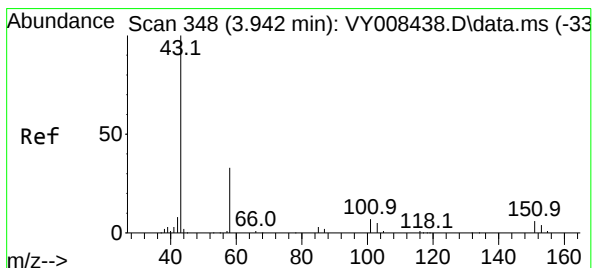
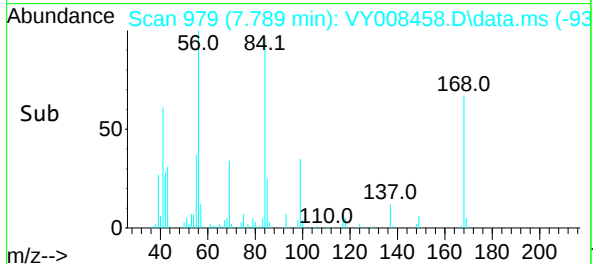
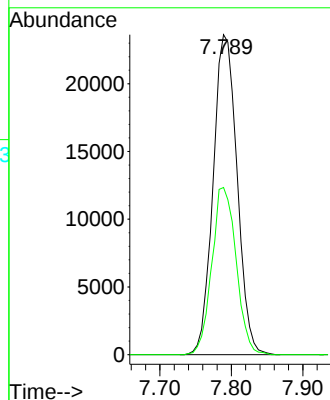
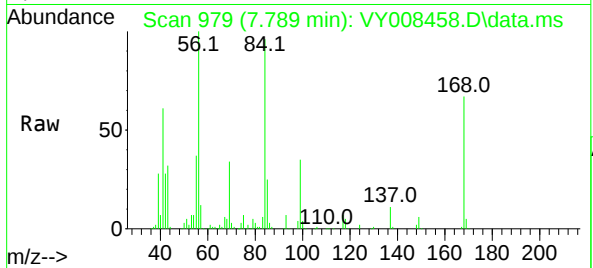




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

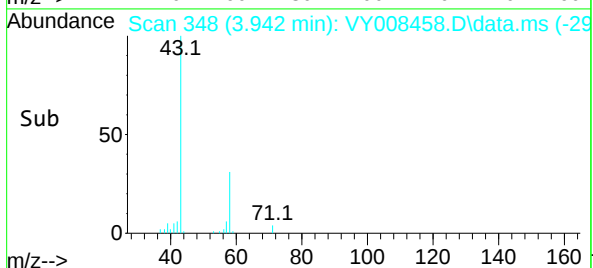
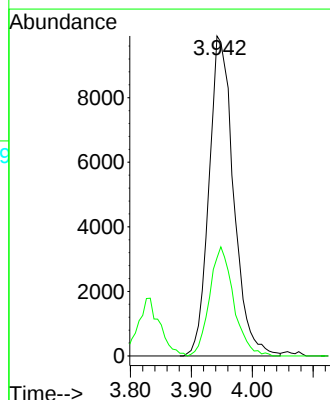
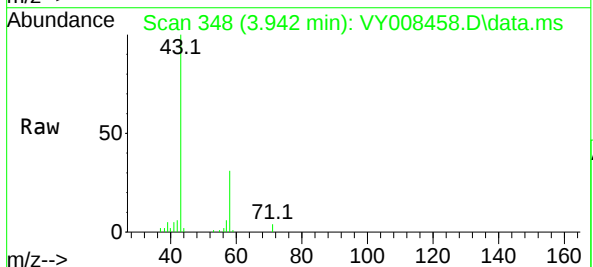
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

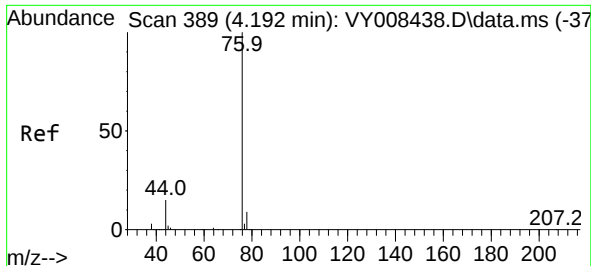
Tgt Ion:168 Resp: 55015
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#16
Acetone
Concen: 184.674 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion: 43 Resp: 27844
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0

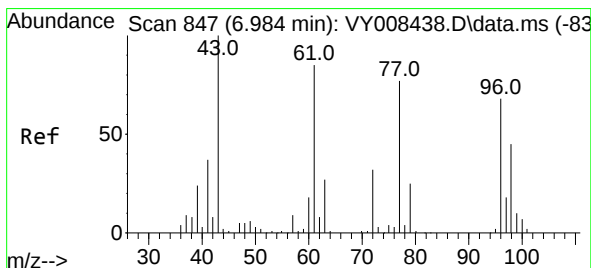
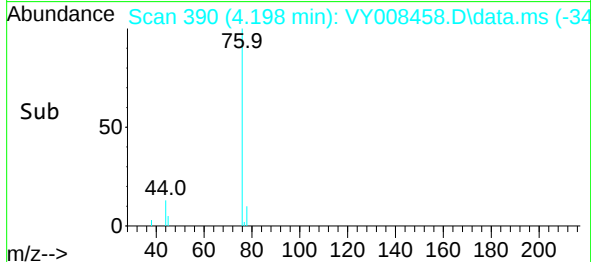
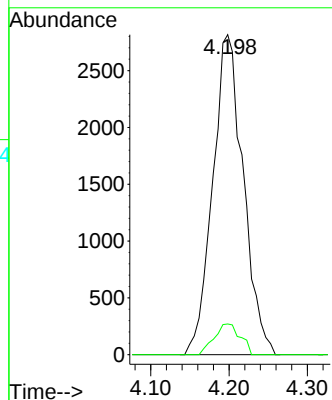
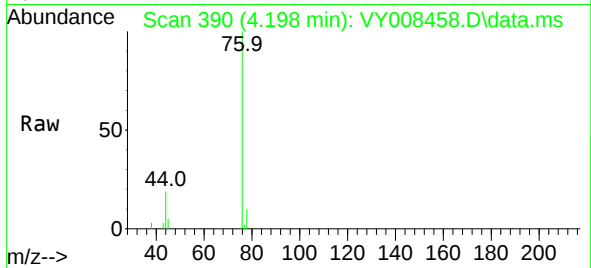




#17
Carbon Disulfide
Concen: 4.243 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

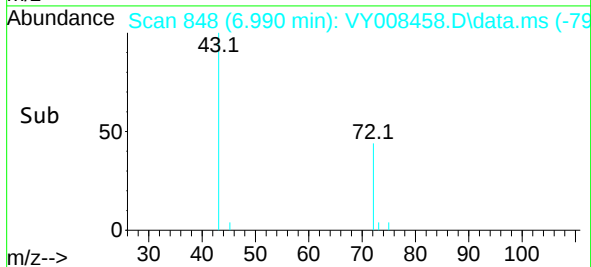
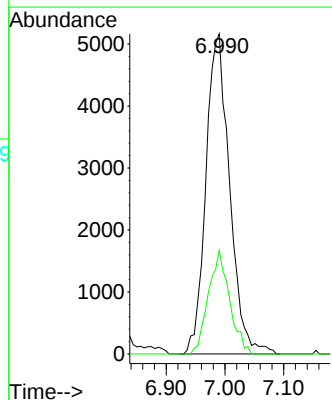
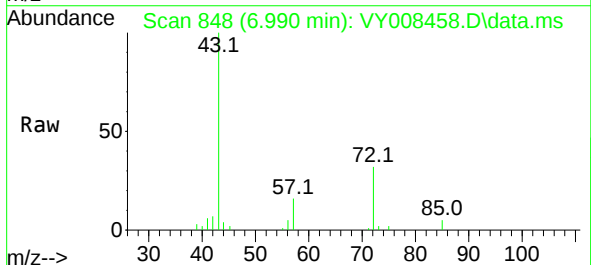
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

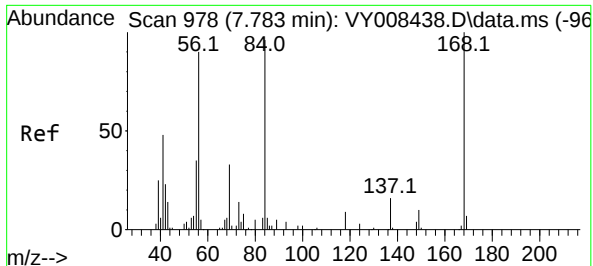
Tgt Ion: 76 Resp: 7629
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#25
2-Butanone
Concen: 62.112 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion: 43 Resp: 14488
Ion Ratio Lower Upper
43 100
72 32.3 17.7 26.5#





#31

Cyclohexane

Concen: 99.260 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-2

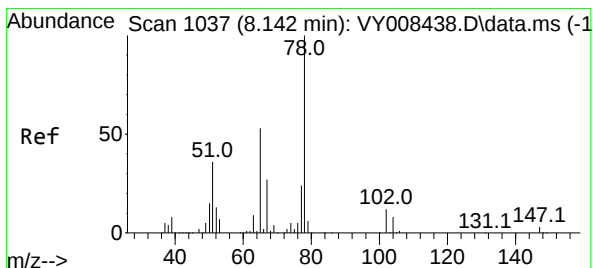
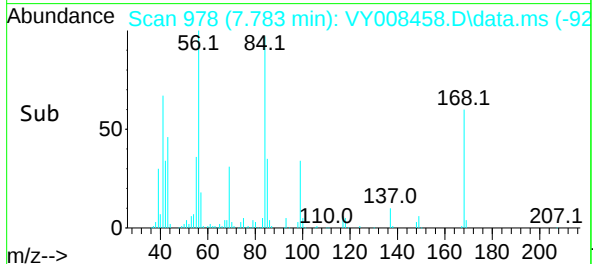
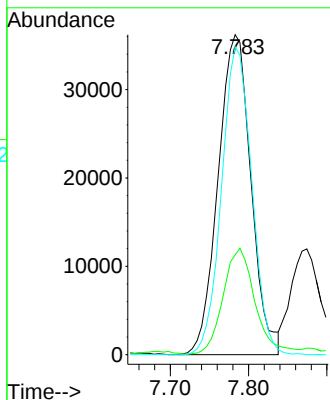
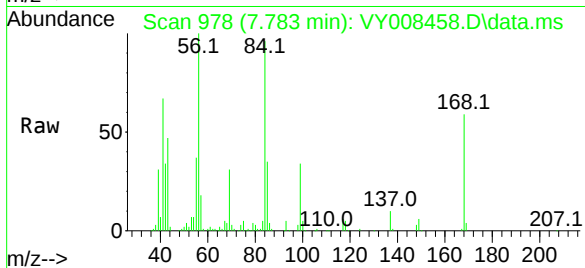
Tgt Ion: 56 Resp: 105629

Ion Ratio Lower Upper

56 100

69 30.8 26.7 40.1

84 96.2 67.2 100.8



#33

1,2-Dichloroethane-d4

Concen: 38.140 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008458.D

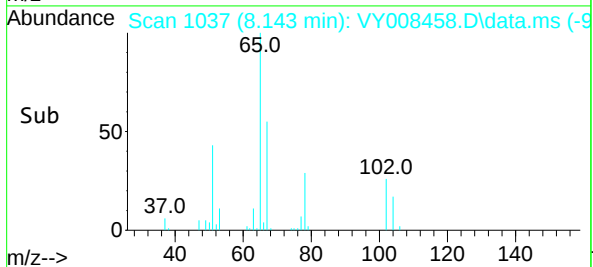
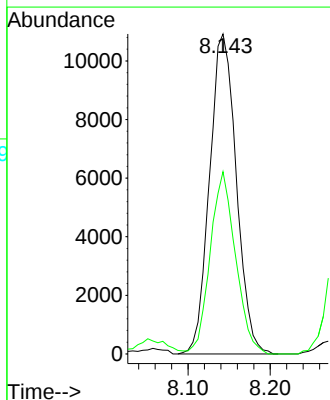
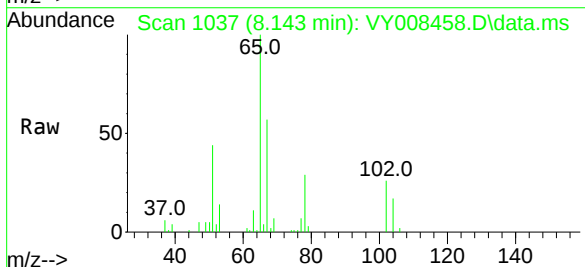
Acq: 22 Apr 2022 12:40

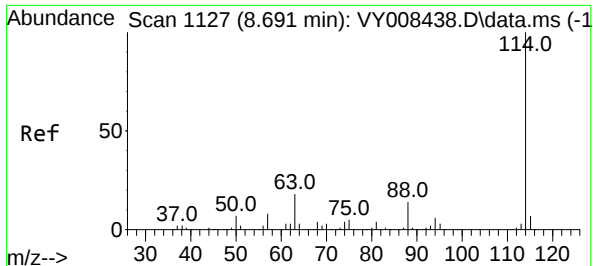
Tgt Ion: 65 Resp: 24689

Ion Ratio Lower Upper

65 100

67 53.9 0.0 99.4

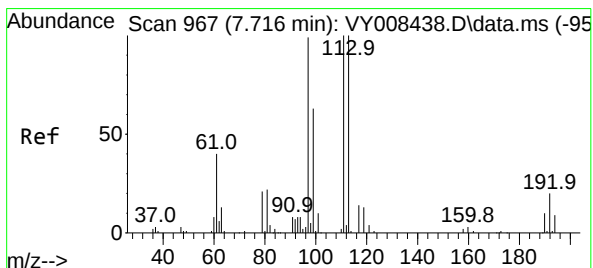
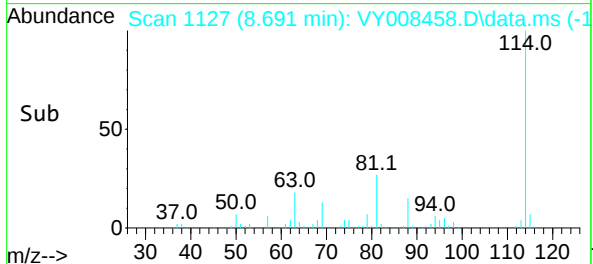
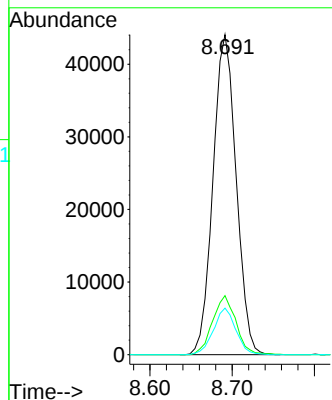
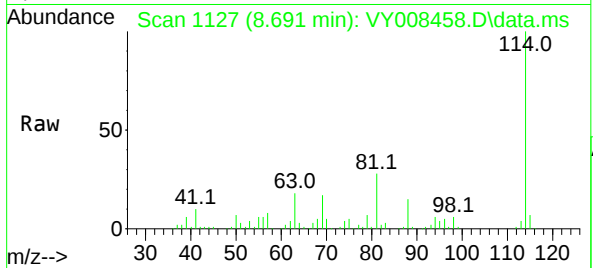




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

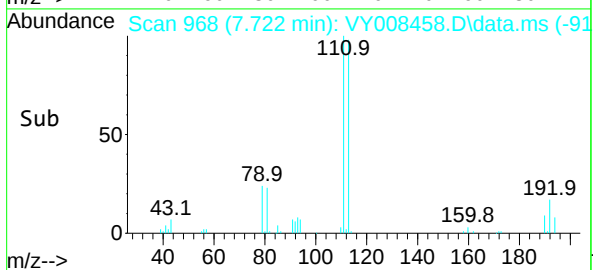
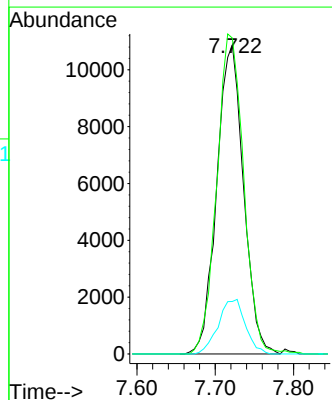
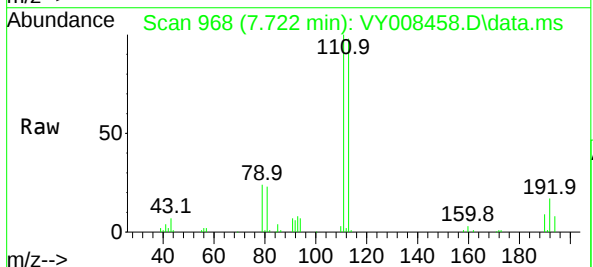
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

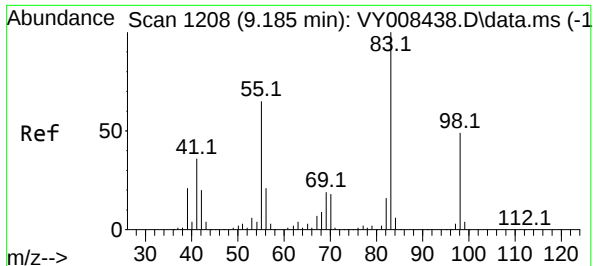
Tgt Ion:114 Resp: 86325
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.2
88 14.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.381 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion:113 Resp: 25840
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 17.8 17.6 26.4





#39

Methylcyclohexane

Concen: 315.951 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-2

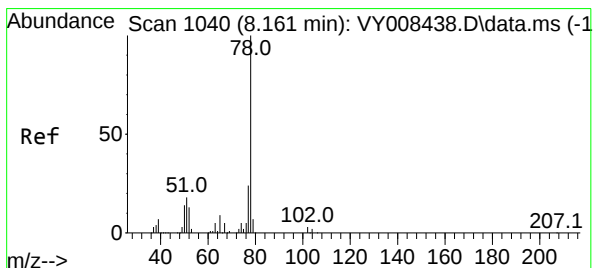
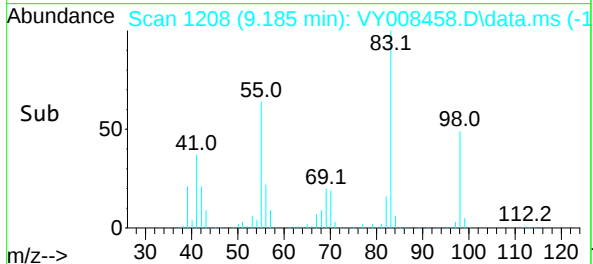
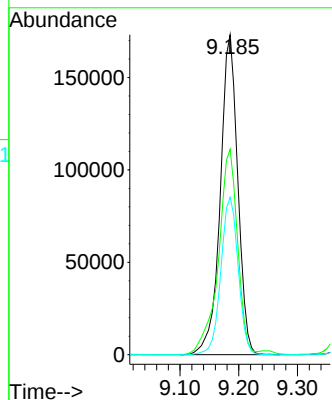
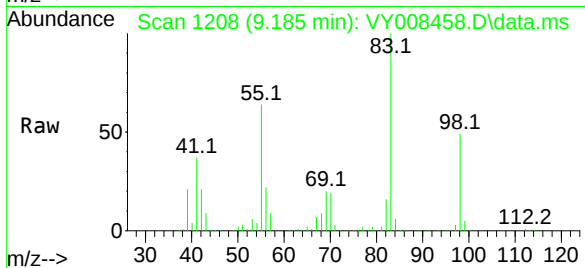
Tgt Ion: 83 Resp: 358511

Ion Ratio Lower Upper

83 100

55 64.1 66.5 99.7#

98 49.2 37.9 56.9



#40

Benzene

Concen: 6.403 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY008458.D

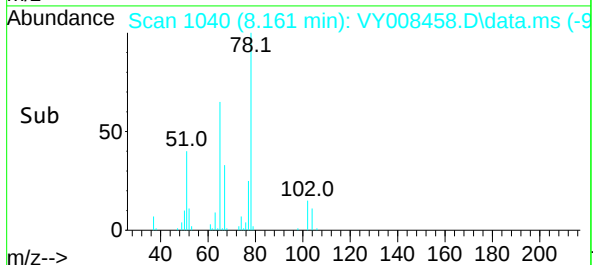
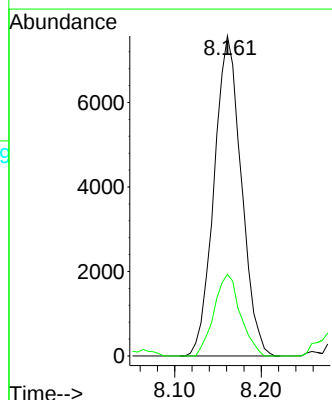
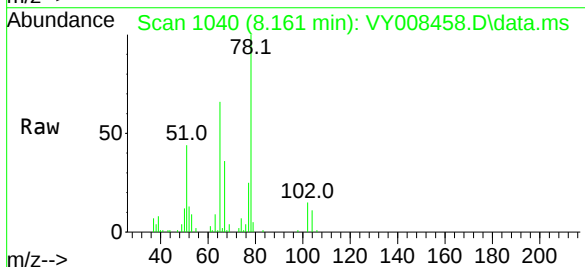
Acq: 22 Apr 2022 12:40

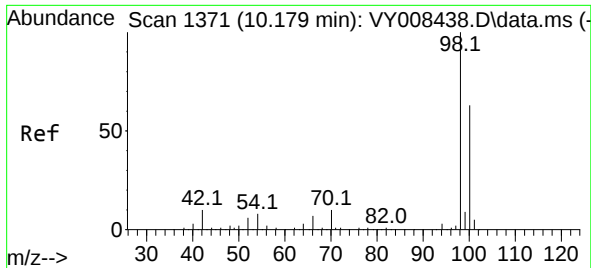
Tgt Ion: 78 Resp: 16554

Ion Ratio Lower Upper

78 100

77 25.5 20.4 30.6

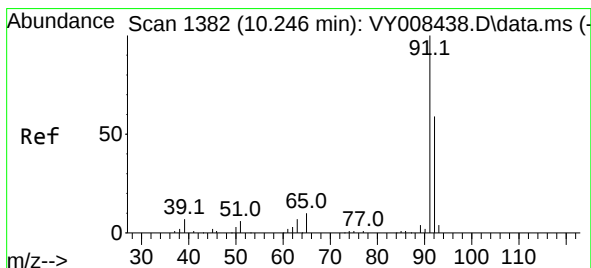
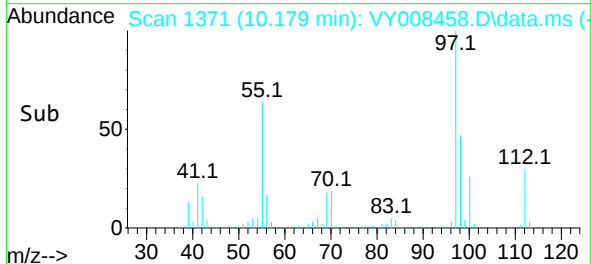
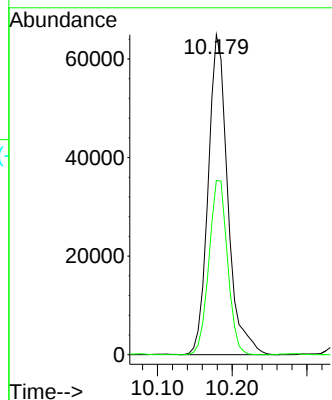
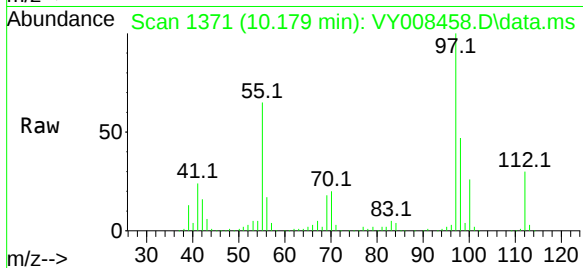




#50
Toluene-d8
Concen: 53.136 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

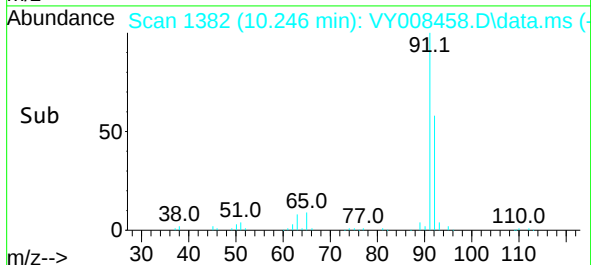
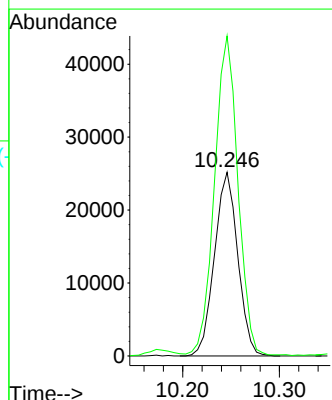
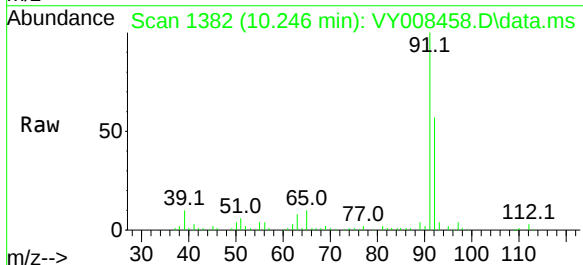
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

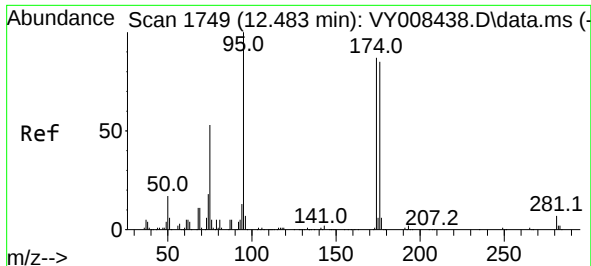
Tgt Ion: 98 Resp: 118290
Ion Ratio Lower Upper
98 100
100 51.7 50.2 75.2



#52
Toluene
Concen: 24.610 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion: 92 Resp: 42078
Ion Ratio Lower Upper
92 100
91 175.3 142.6 213.8





#62

4-Bromofluorobenzene

Concen: 56.508 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

WC-15-1-2

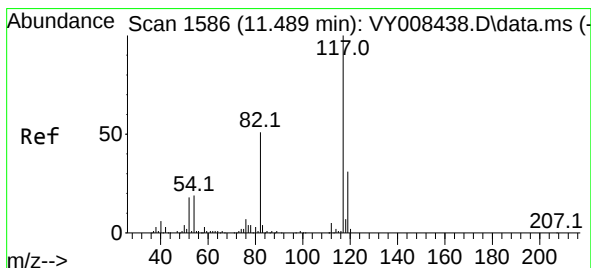
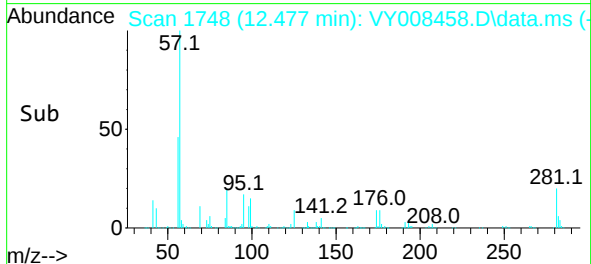
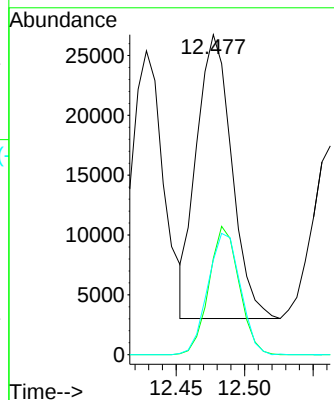
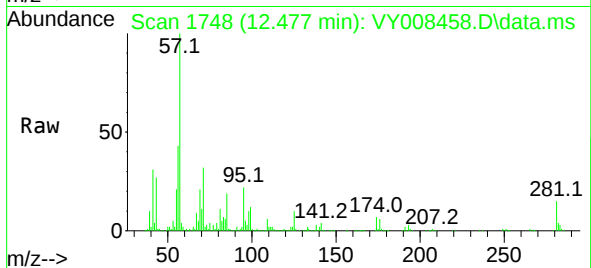
Tgt Ion: 95 Resp: 42392

Ion Ratio Lower Upper

95 100

174 38.7 0.0 177.0

176 39.5 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: VY008458.D

Acq: 22 Apr 2022 12:40

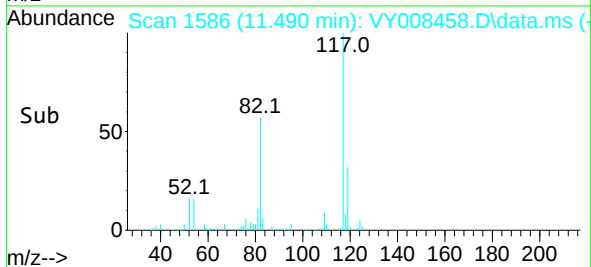
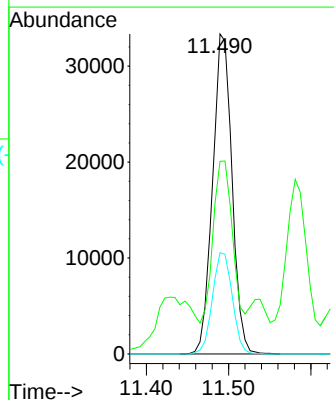
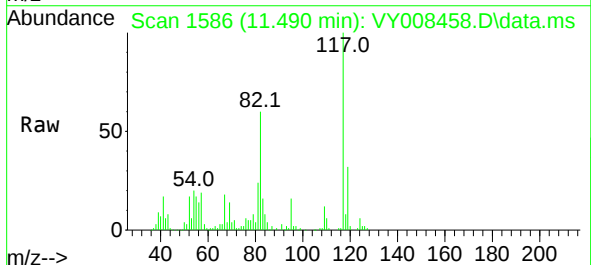
Tgt Ion: 117 Resp: 54671

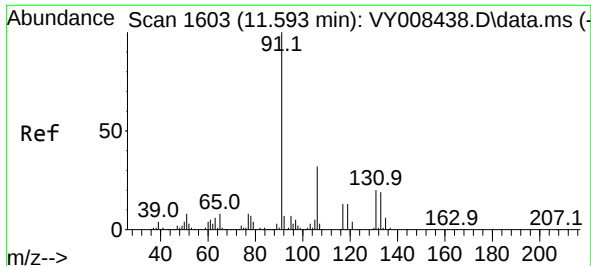
Ion Ratio Lower Upper

117 100

82 44.8 43.0 64.4

119 31.7 25.4 38.0

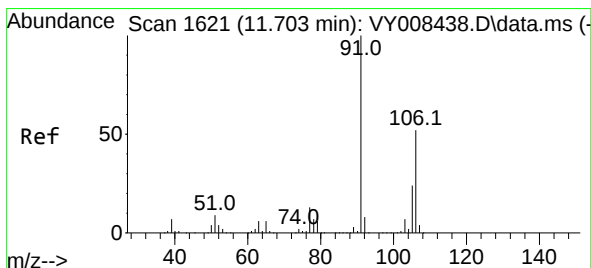
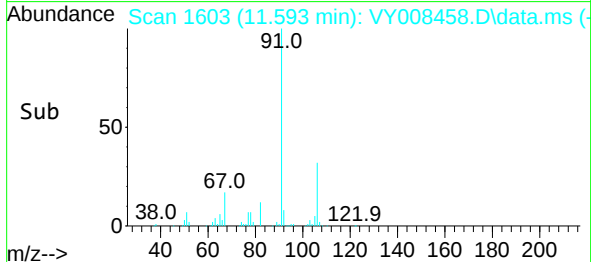
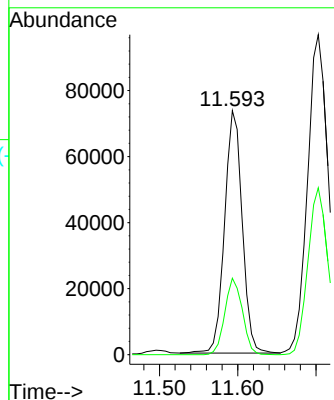
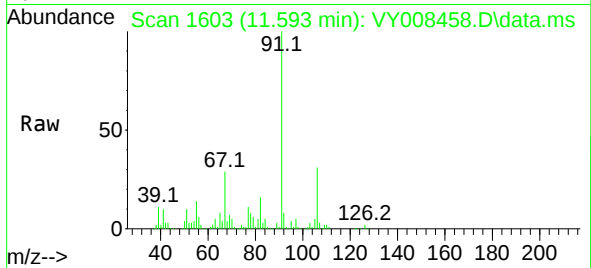




#67
Ethyl Benzene
Concen: 53.494 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

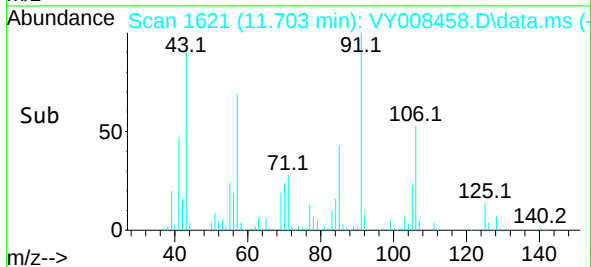
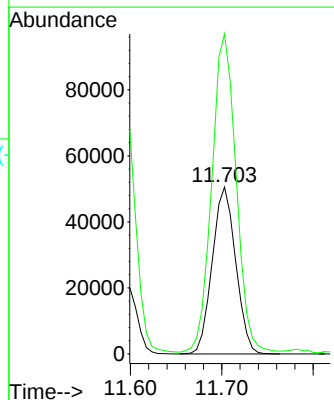
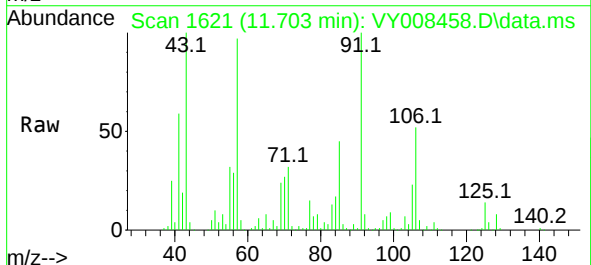
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

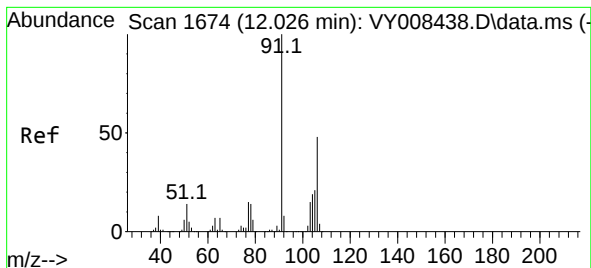
Tgt Ion: 91 Resp: 114766
Ion Ratio Lower Upper
91 100
106 31.5 24.5 36.7



#68
m/p-Xylenes
Concen: 104.710 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion:106 Resp: 89983
Ion Ratio Lower Upper
106 100
91 197.3 166.6 249.8





#69

o-Xylene

Concen: 153.374 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

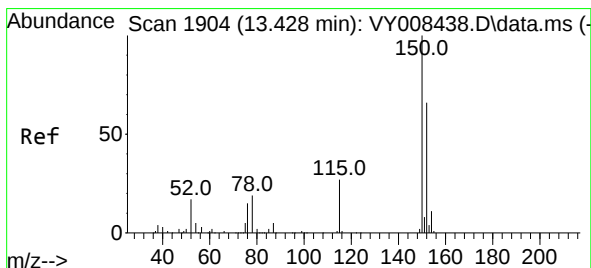
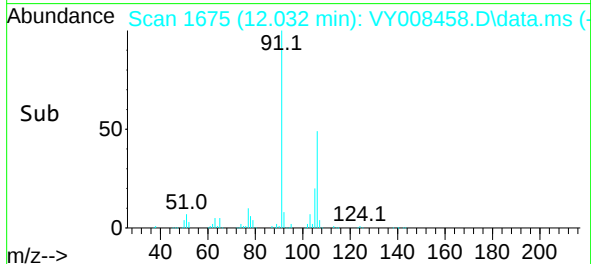
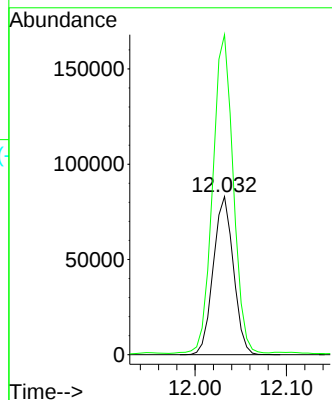
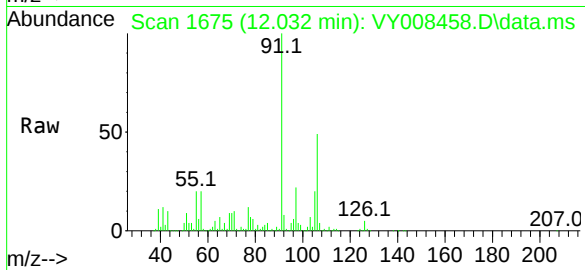
WC-15-1-2

Tgt Ion:106 Resp: 126891

Ion Ratio Lower Upper

106 100

91 205.1 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

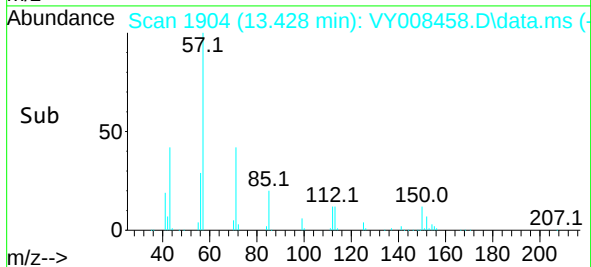
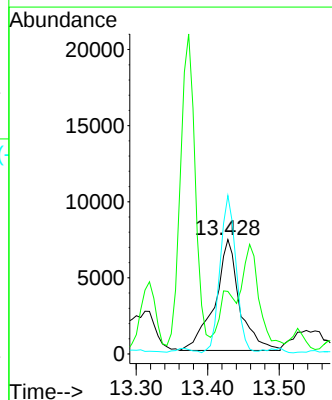
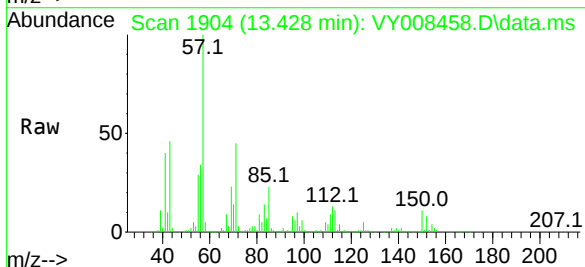
Tgt Ion:152 Resp: 17573

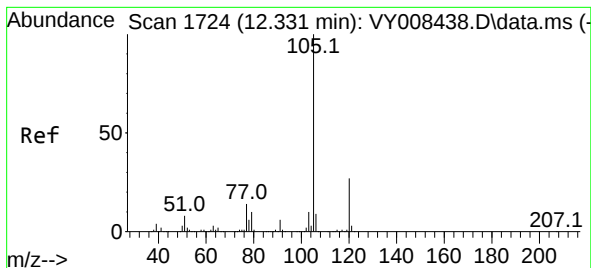
Ion Ratio Lower Upper

152 100

115 33.1 28.2 84.7

150 92.3 0.0 347.6





#73

Isopropylbenzene

Concen: 71.009 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008458.D

Acq: 22 Apr 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

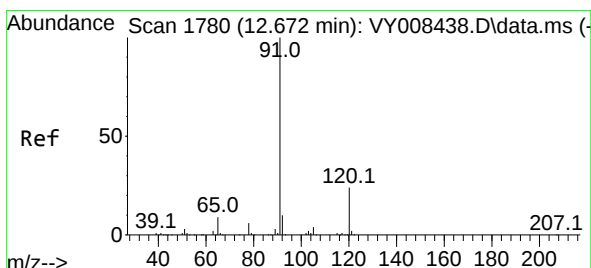
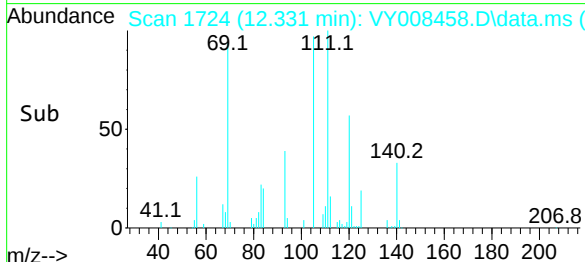
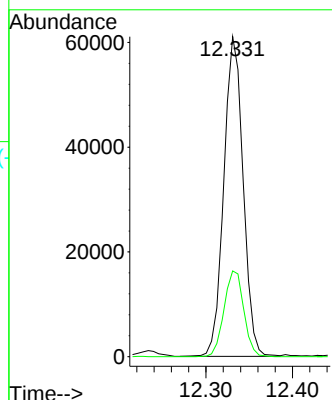
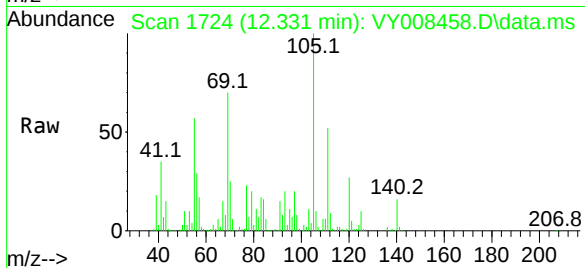
WC-15-1-2

Tgt Ion:105 Resp: 94611

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.2



#78

n-propylbenzene

Concen: 88.990 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY008458.D

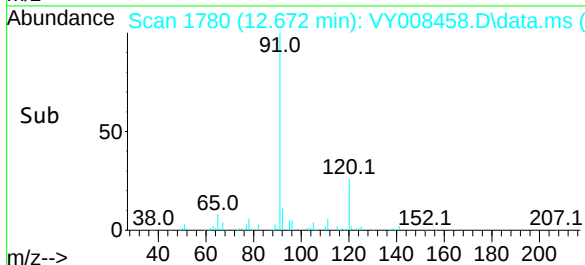
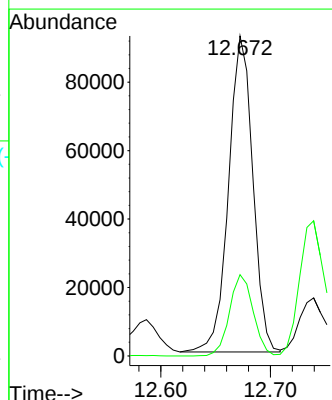
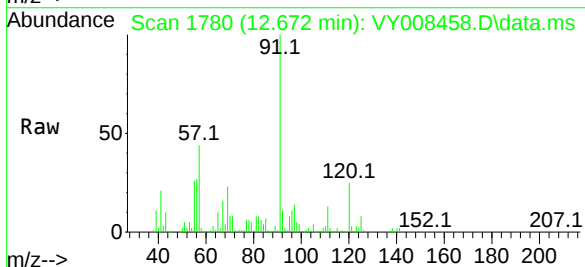
Acq: 22 Apr 2022 12:40

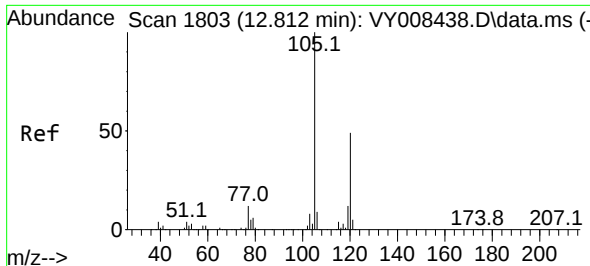
Tgt Ion: 91 Resp: 142219

Ion Ratio Lower Upper

91 100

120 25.0 11.3 33.9

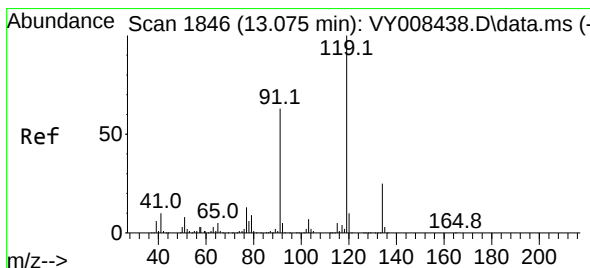
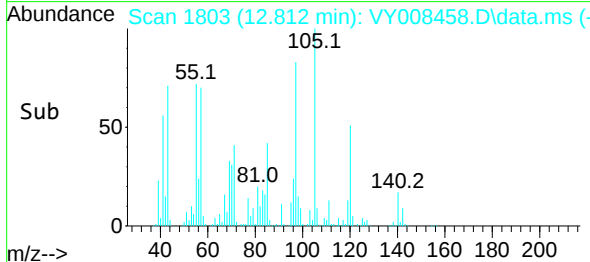
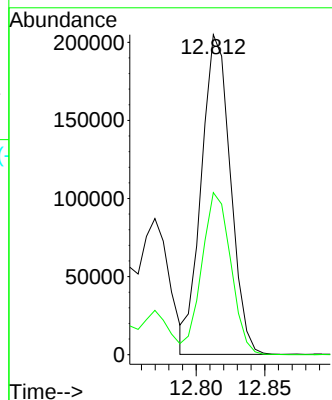
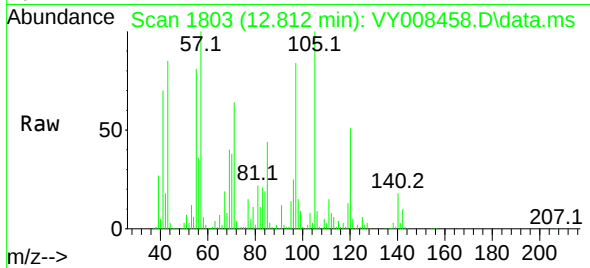




#80
1,3,5-Trimethylbenzene
Concen: 272.536 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

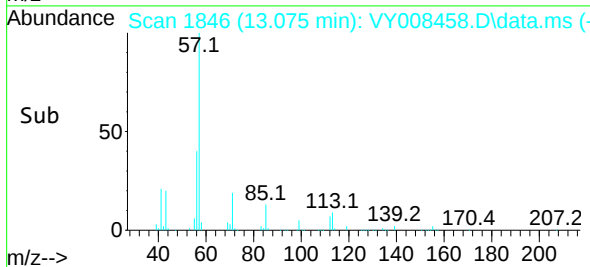
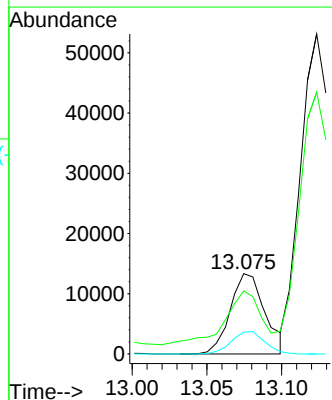
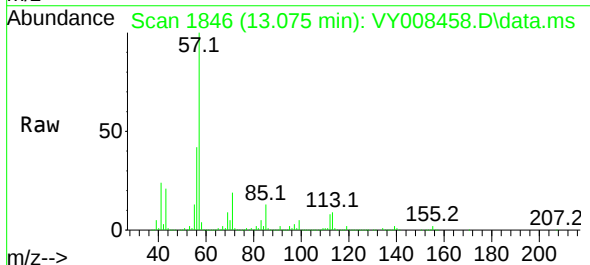
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

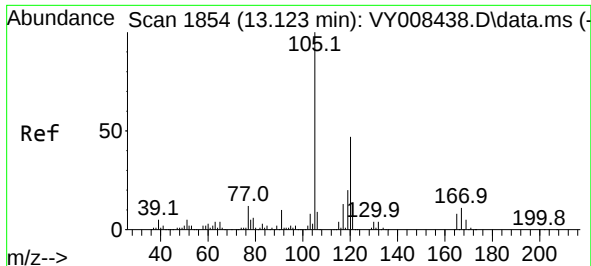
Tgt Ion:105 Resp: 301406
Ion Ratio Lower Upper
105 100
120 50.9 24.4 73.4



#83
tert-Butylbenzene
Concen: 22.386 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion:119 Resp: 21492
Ion Ratio Lower Upper
119 100
91 68.0 34.8 104.4
134 26.8 13.3 39.9

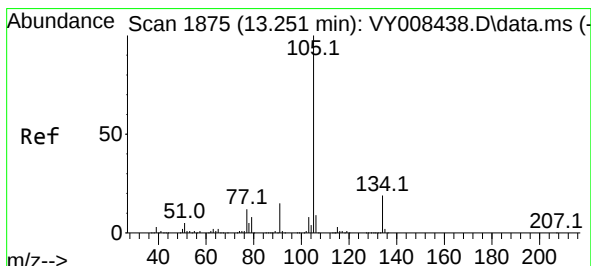
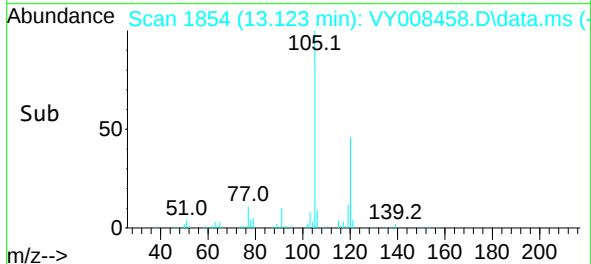
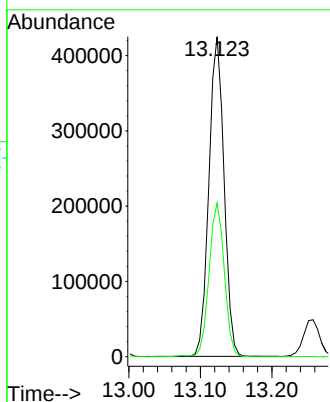
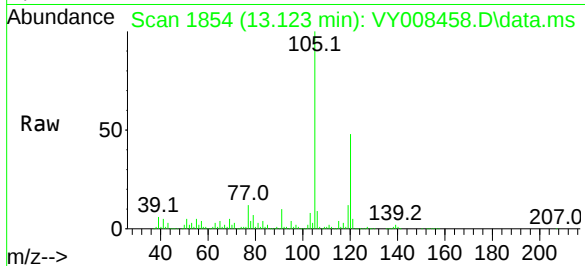




#84
1,2,4-Trimethylbenzene
Concen: 568.120 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

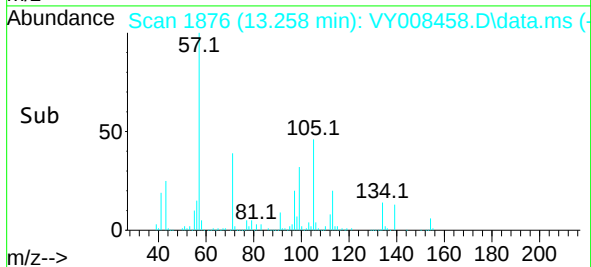
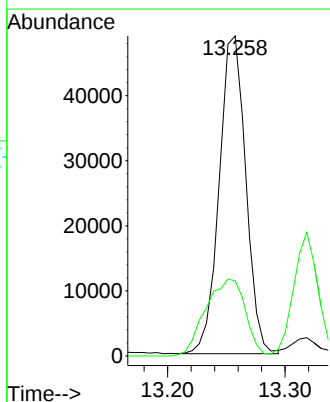
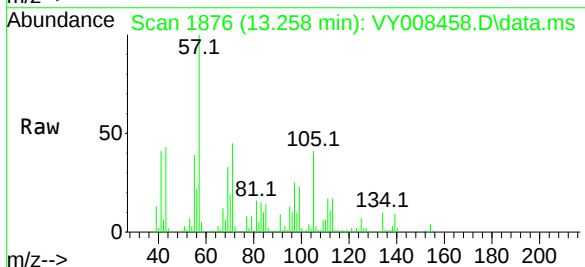
Instrument :
MSVOA_Y
ClientSampleId :
WC-15-1-2

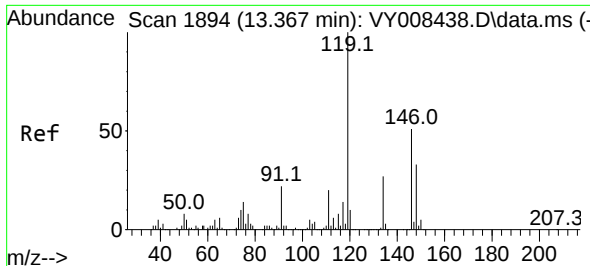
Tgt Ion:105 Resp: 623408
Ion Ratio Lower Upper
105 100
120 48.5 22.3 66.9



#85
sec-Butylbenzene
Concen: 53.101 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.007 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion:105 Resp: 76937
Ion Ratio Lower Upper
105 100
134 36.1 10.2 30.4#

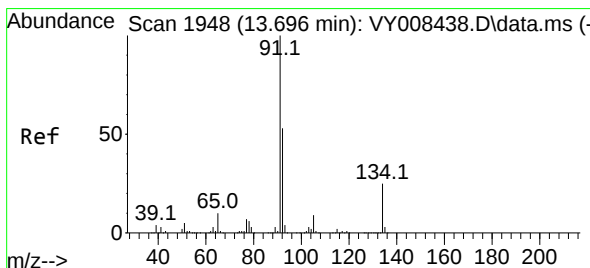
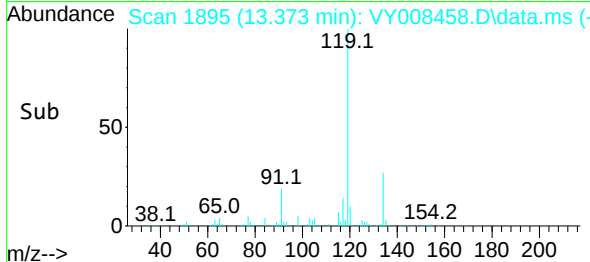
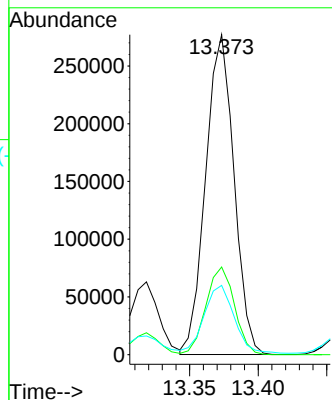
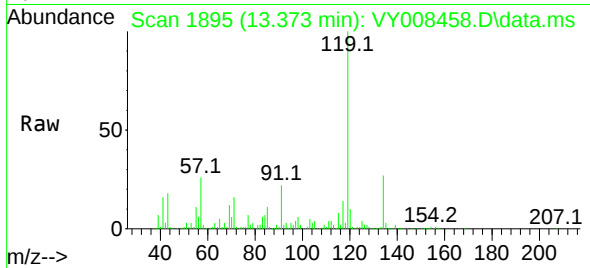




#86
p-Isopropyltoluene
Concen: 328.276 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

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

Tgt Ion:119 Resp: 398330
Ion Ratio Lower Upper
119 100
134 27.6 13.2 39.5
91 22.2 12.4 37.2



#89
n-Butylbenzene
Concen: 38.917 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008458.D
Acq: 22 Apr 2022 12:40

Tgt Ion: 91 Resp: 42860
Ion Ratio Lower Upper
91 100
92 59.0 26.3 78.9
134 0.0 13.0 38.9#

