

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015551.D
 Acq On : 14 Sep 2023 22:11
 Operator : SY/MD
 Sample : 04409-12
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4(0-6)GRAB

Quant Time: Sep 15 04:07:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

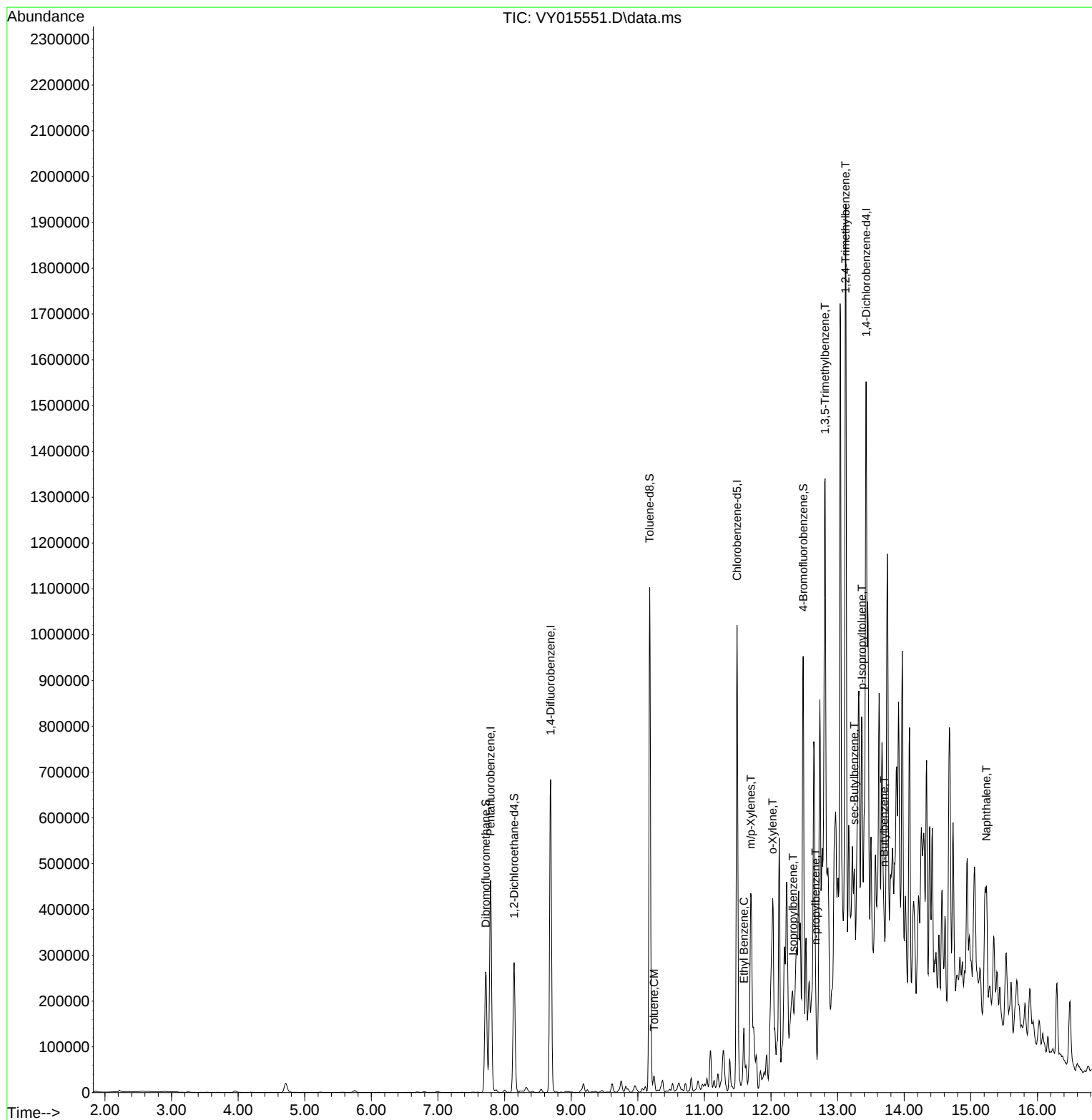
Internal Standards						
1) Pentafluorobenzene	7.789	168	352829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	598778	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	536753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	258090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	218088	57.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.320%
35) Dibromofluoromethane	7.715	113	185233	53.709	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.420%
50) Toluene-d8	10.178	98	689095	55.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.340%
62) 4-Bromofluorobenzene	12.483	95	248100	53.509	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.020%
Target Compounds						
						Qvalue
52) Toluene	10.245	92	15071	1.392	ug/l	95
67) Ethyl Benzene	11.593	91	85072	4.096	ug/l	97
68) m/p-Xylenes	11.696	106	115280	14.320	ug/l	97
69) o-Xylene	12.026	106	87783	11.410	ug/l	99
73) Isopropylbenzene	12.330	105	23918	1.234	ug/l	98
78) n-propylbenzene	12.672	91	90901	3.875	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	252694	15.584	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	868715	53.958	ug/l	98
85) sec-Butylbenzene	13.251	105	40840	1.928	ug/l #	70
86) p-Isopropyltoluene	13.367	119	58533	3.297	ug/l	97
89) n-Butylbenzene	13.696	91	34086	2.040	ug/l #	56
95) Naphthalene	15.232	128	178199	13.848	ug/l	99

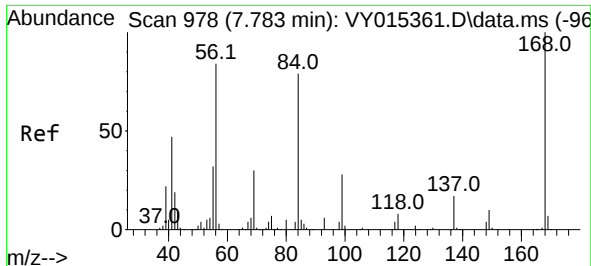
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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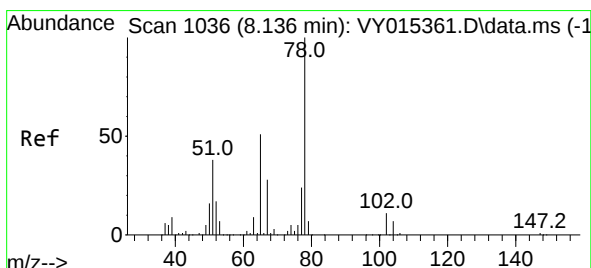
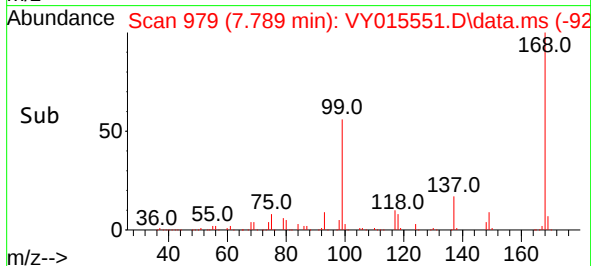
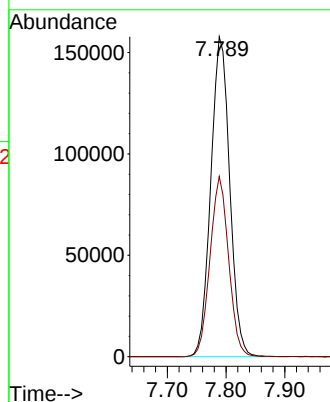
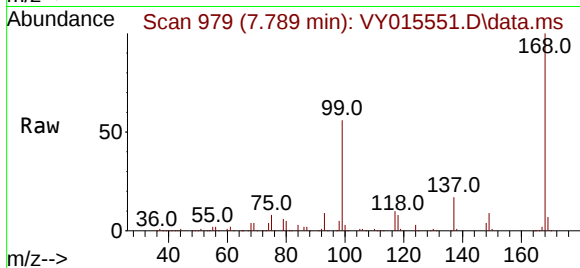




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

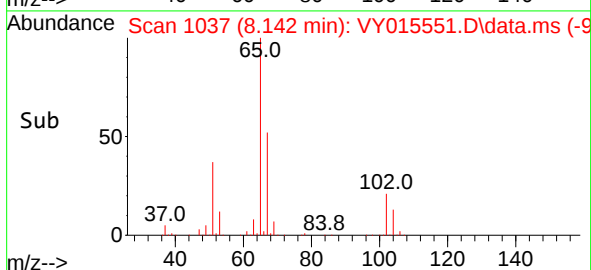
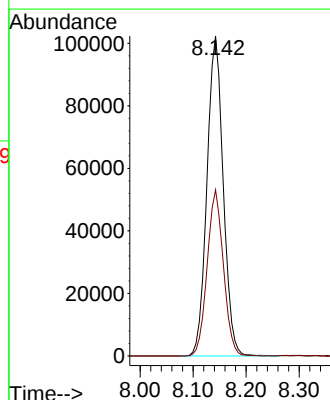
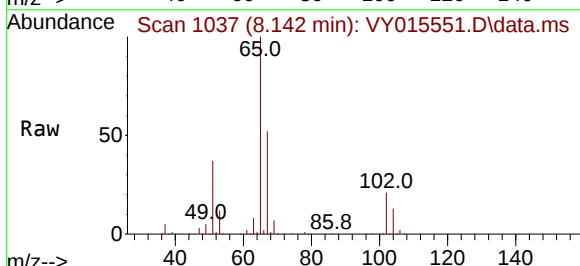
Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

Tgt Ion:168 Resp: 352829
Ion Ratio Lower Upper
168 100
99 56.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.661 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

Tgt Ion: 65 Resp: 218088
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Instrument :

MSVOA_Y

ClientSampleId :

WC-4(0-6)GRAB

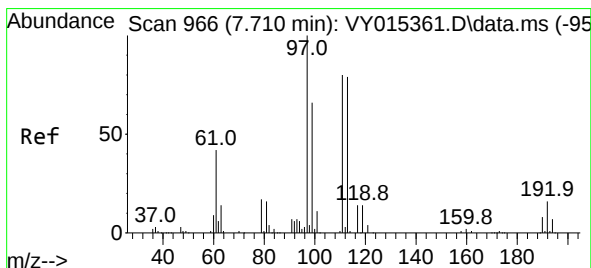
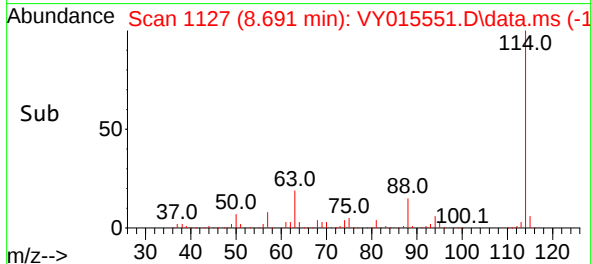
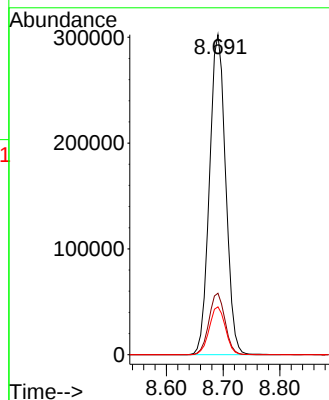
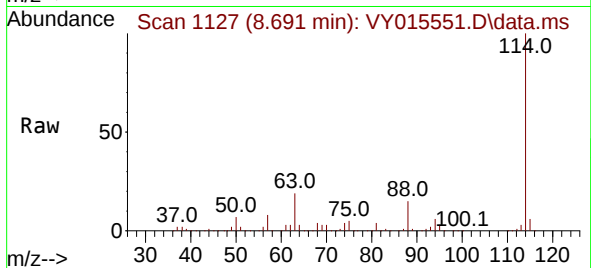
Tgt Ion:114 Resp: 598778

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.709 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

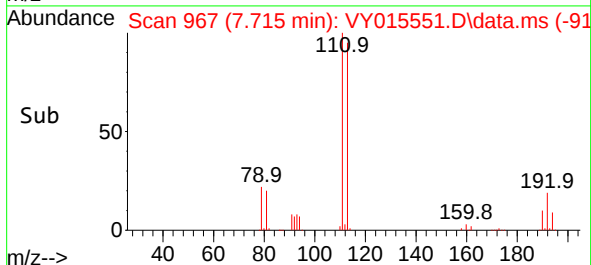
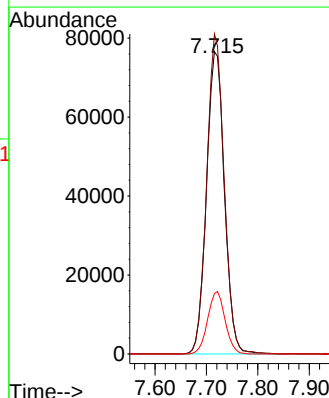
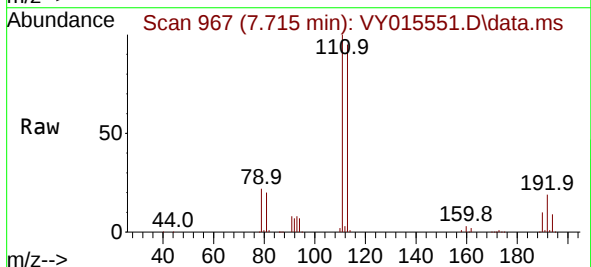
Tgt Ion:113 Resp: 185233

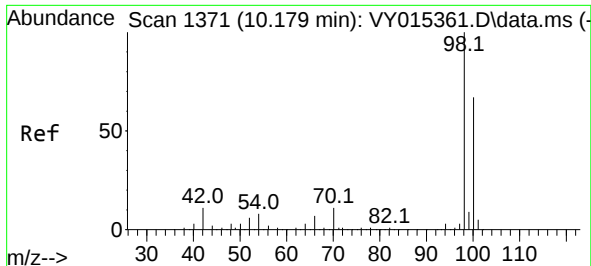
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 20.1 16.9 25.3

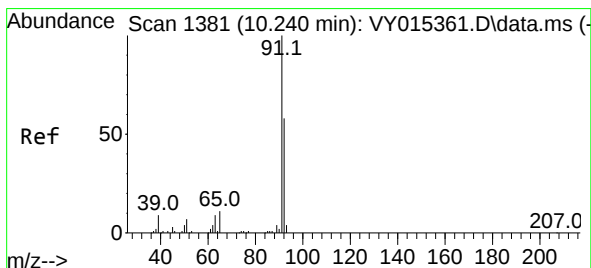
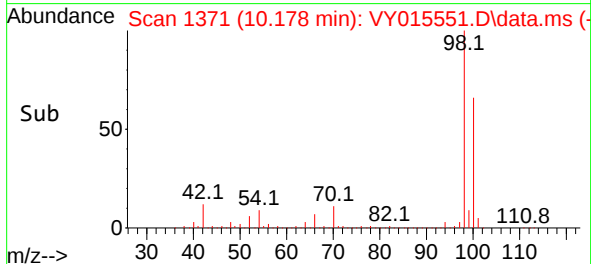
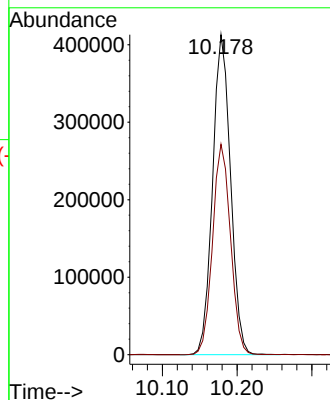
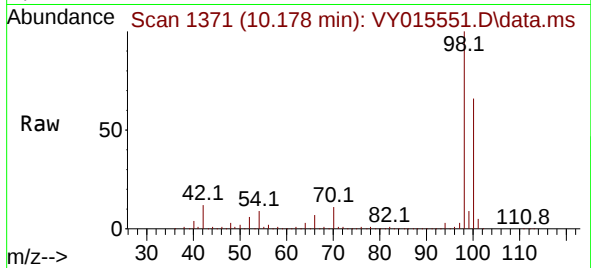




#50
Toluene-d8
Concen: 55.174 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

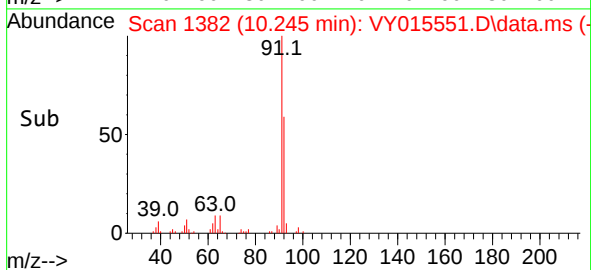
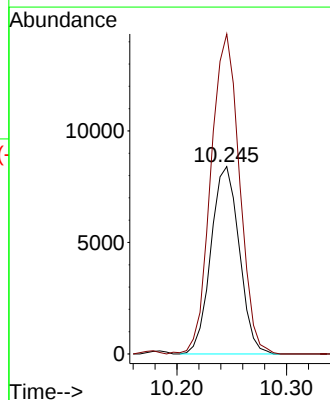
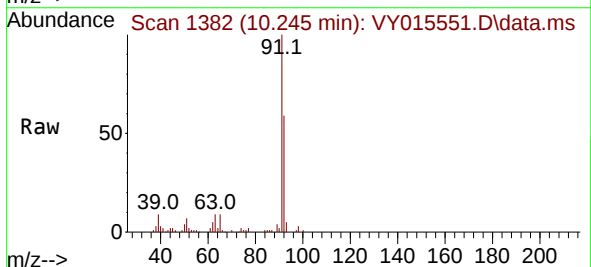
Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

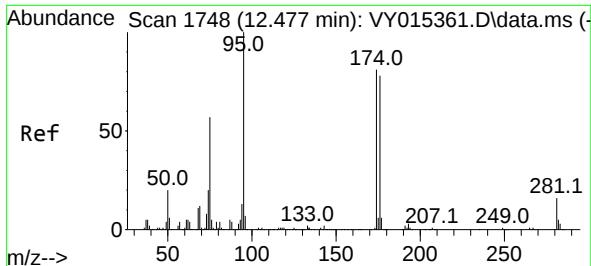
Tgt Ion: 98 Resp: 689095
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#52
Toluene
Concen: 1.392 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

Tgt Ion: 92 Resp: 15071
Ion Ratio Lower Upper
92 100
91 172.7 143.8 215.6

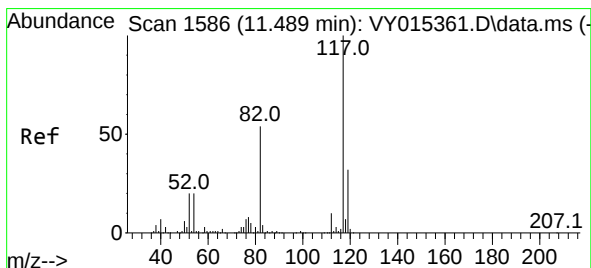
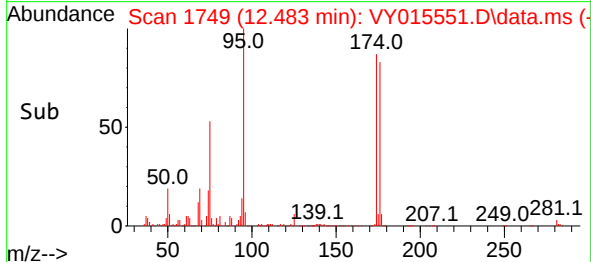
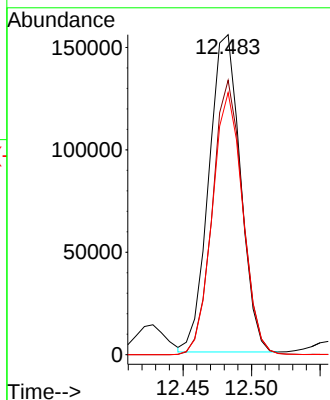
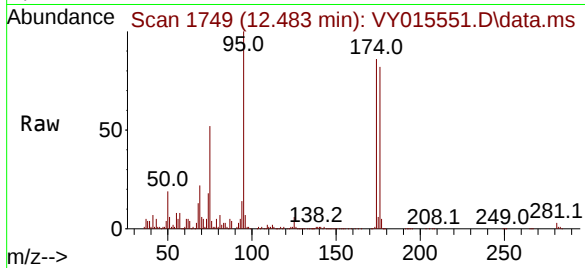




#62
4-Bromofluorobenzene
Concen: 53.509 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

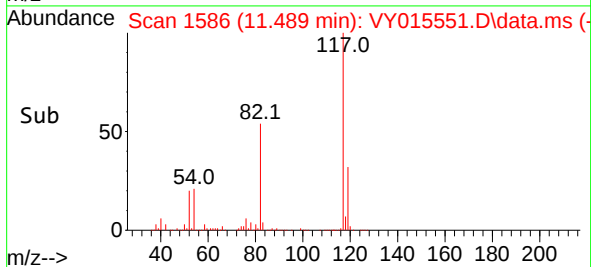
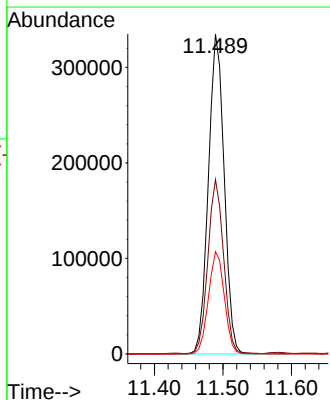
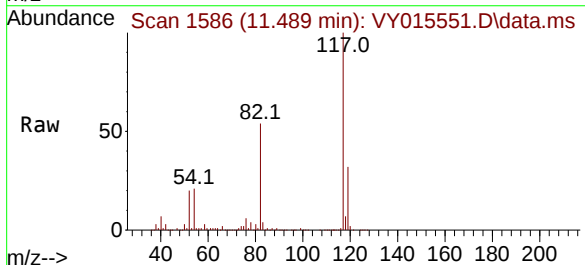
Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

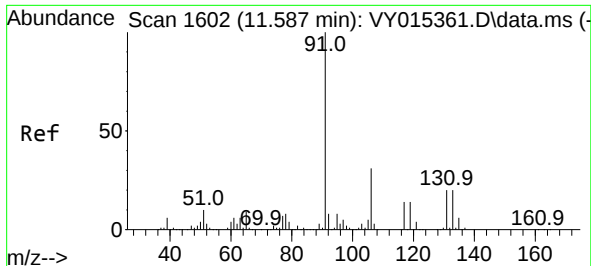
Tgt Ion: 95 Resp: 248100
Ion Ratio Lower Upper
95 100
174 82.8 0.0 178.2
176 79.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

Tgt Ion: 117 Resp: 536753
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 32.0 26.3 39.5





#67

Ethyl Benzene

Concen: 4.096 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Instrument :

MSVOA_Y

ClientSampleId :

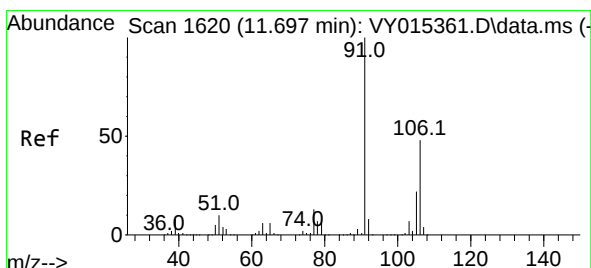
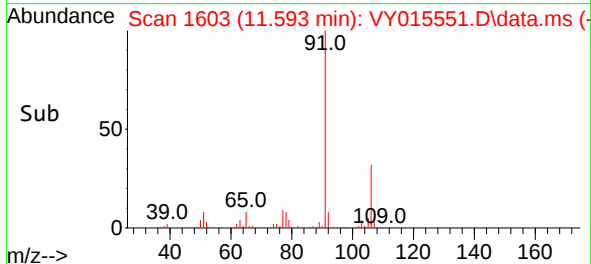
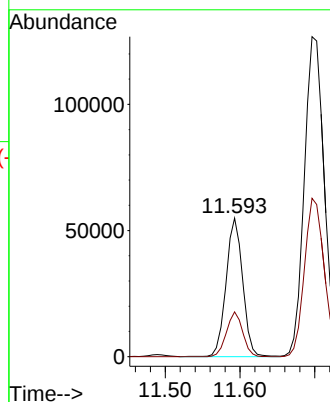
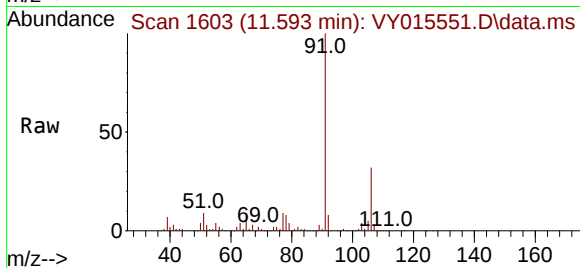
WC-4(0-6)GRAB

Tgt Ion: 91 Resp: 85072

Ion Ratio Lower Upper

91 100

106 32.3 24.6 36.8



#68

m/p-Xylenes

Concen: 14.320 ug/l

RT: 11.696 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY015551.D

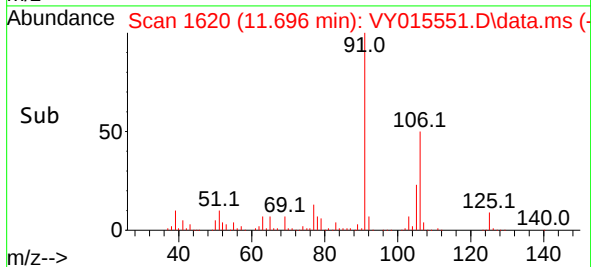
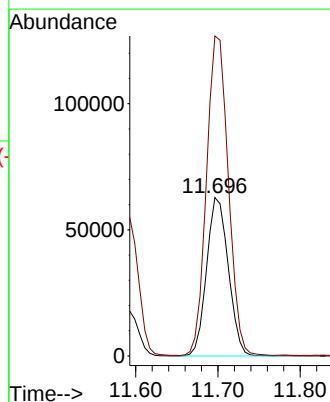
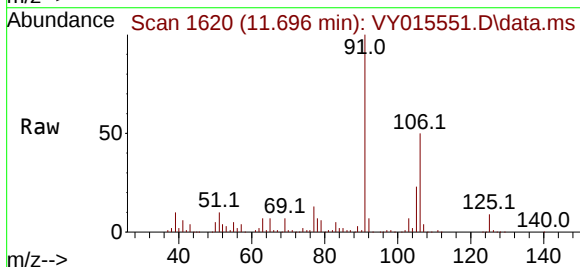
Acq: 14 Sep 2023 22:11

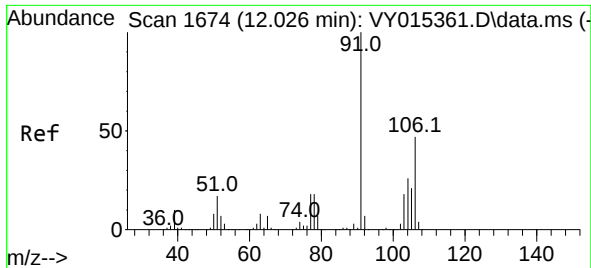
Tgt Ion: 106 Resp: 115280

Ion Ratio Lower Upper

106 100

91 202.6 166.1 249.1

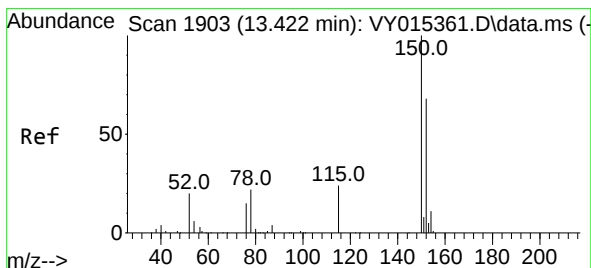
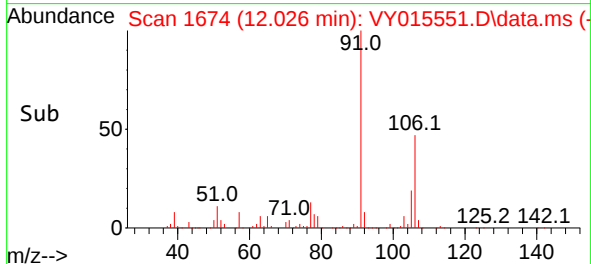
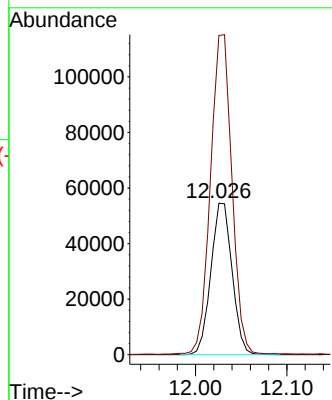
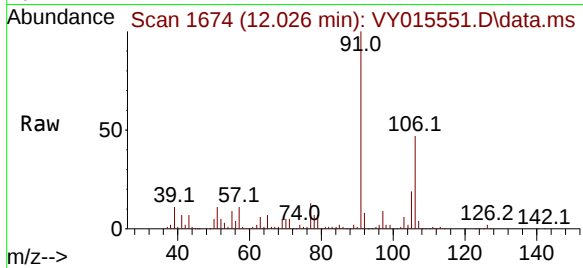




#69
o-Xylene
Concen: 11.410 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

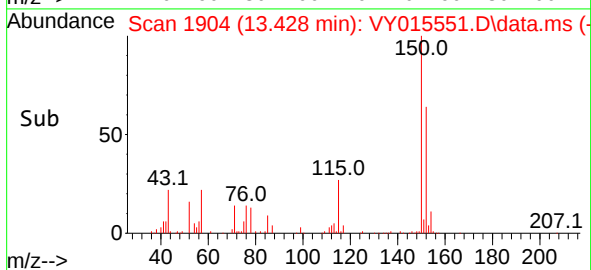
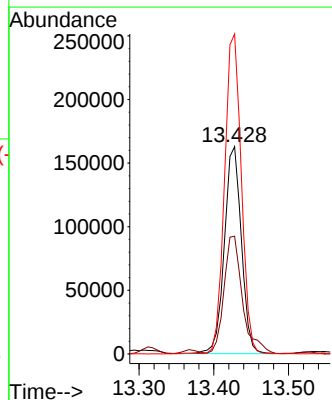
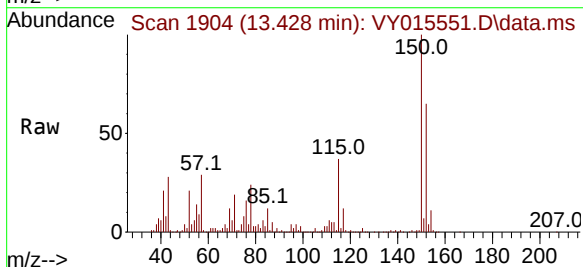
Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

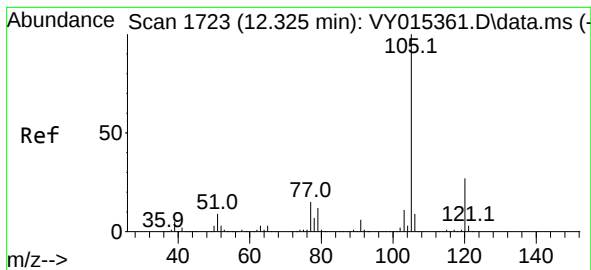
Tgt Ion:106 Resp: 87783
Ion Ratio Lower Upper
106 100
91 213.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

Tgt Ion:152 Resp: 258090
Ion Ratio Lower Upper
152 100
115 61.7 28.8 86.5
150 151.4 0.0 348.8





#73

Isopropylbenzene

Concen: 1.234 ug/l

RT: 12.330 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Instrument :

MSVOA_Y

ClientSampleId :

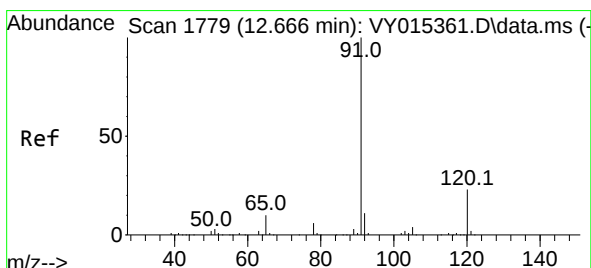
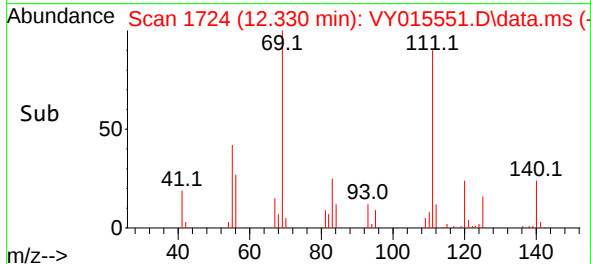
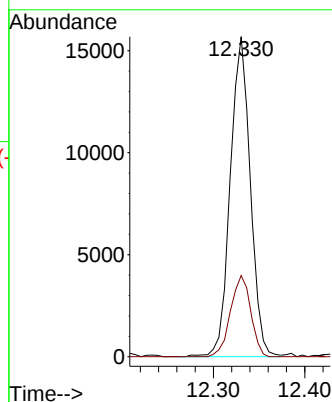
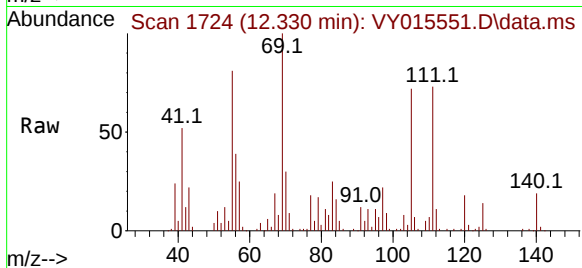
WC-4(0-6)GRAB

Tgt Ion:105 Resp: 23918

Ion Ratio Lower Upper

105 100

120 25.5 13.3 39.9



#78

n-propylbenzene

Concen: 3.875 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY015551.D

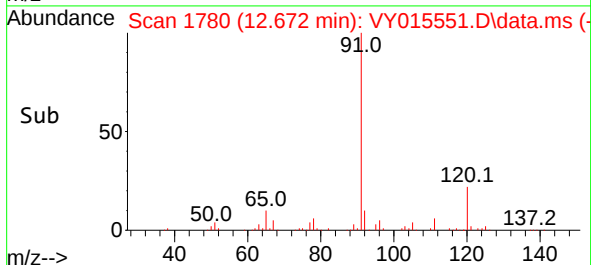
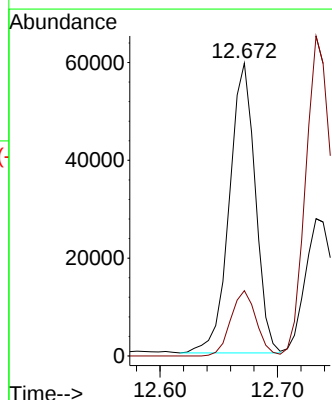
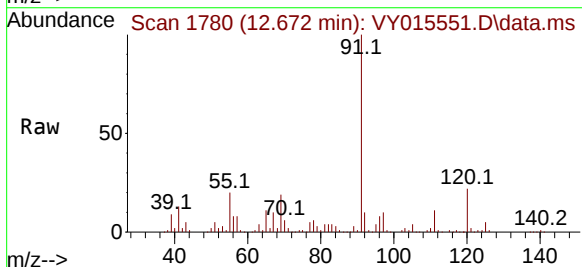
Acq: 14 Sep 2023 22:11

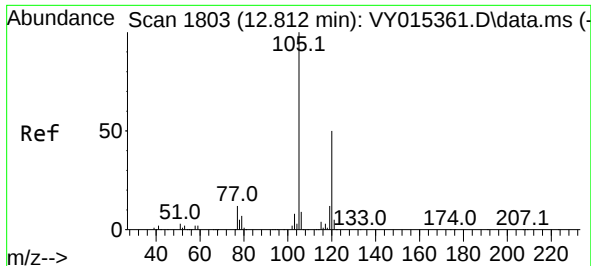
Tgt Ion: 91 Resp: 90901

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4

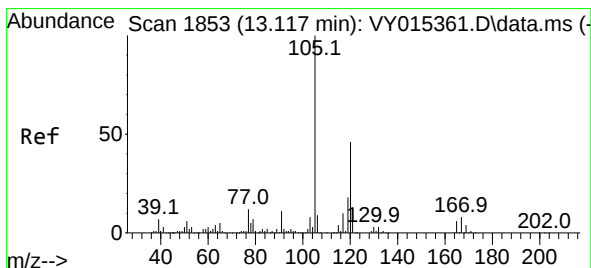
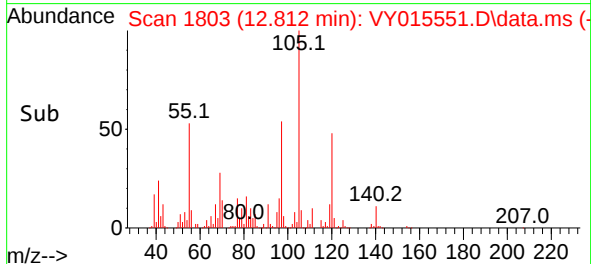
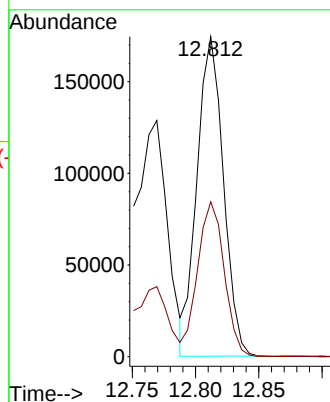
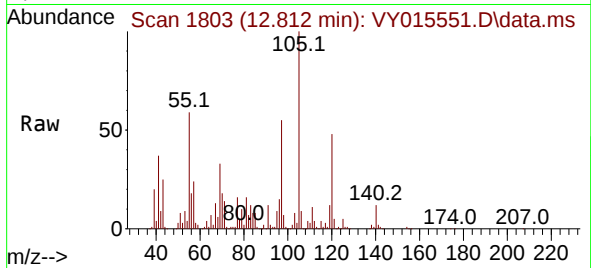




#80
1,3,5-Trimethylbenzene
Concen: 15.584 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

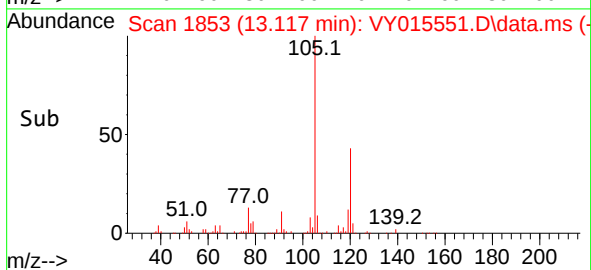
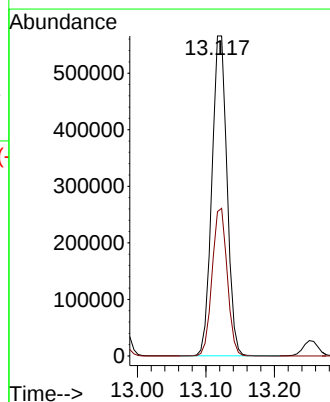
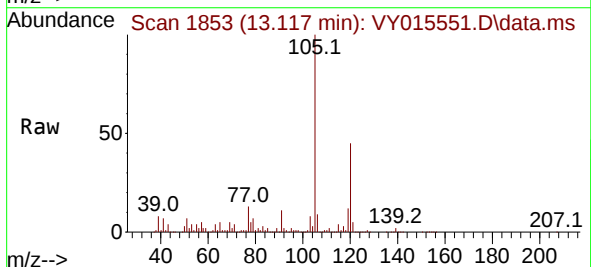
Instrument :
MSVOA_Y
ClientSampleId :
WC-4(0-6)GRAB

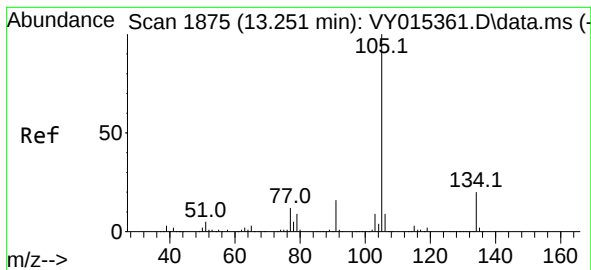
Tgt Ion:105 Resp: 252694
Ion Ratio Lower Upper
105 100
120 49.2 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 53.958 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015551.D
Acq: 14 Sep 2023 22:11

Tgt Ion:105 Resp: 868715
Ion Ratio Lower Upper
105 100
120 46.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.928 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Instrument :

MSVOA_Y

ClientSampleId :

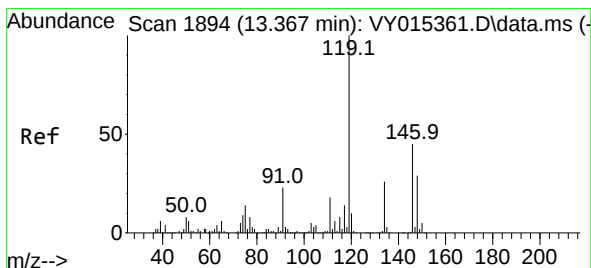
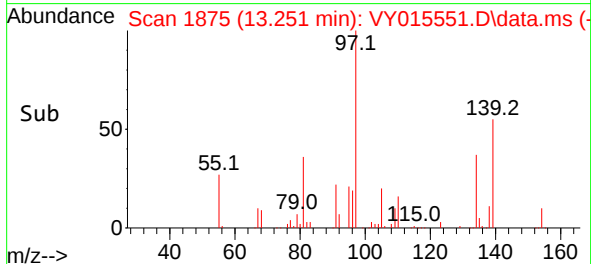
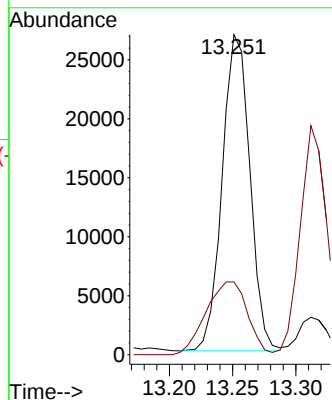
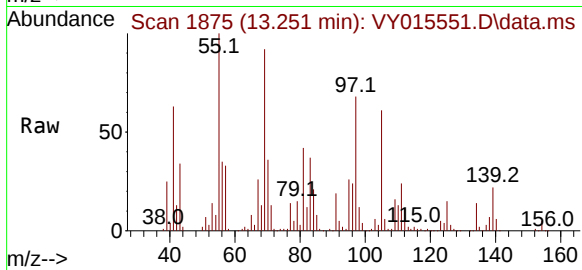
WC-4(0-6)GRAB

Tgt Ion:105 Resp: 40840

Ion Ratio Lower Upper

105 100

134 34.4 10.2 30.6#



#86

p-Isopropyltoluene

Concen: 3.297 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

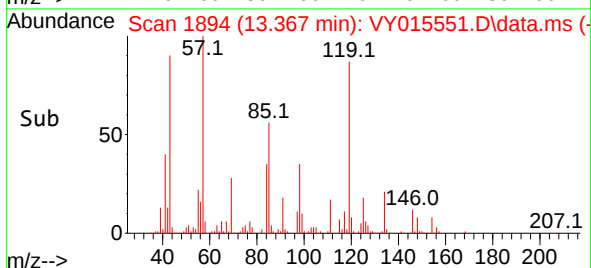
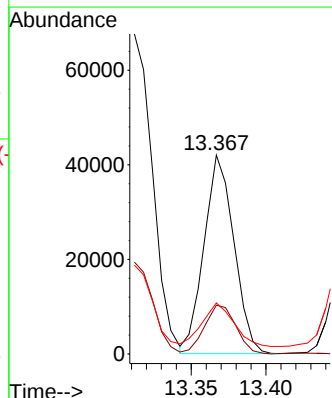
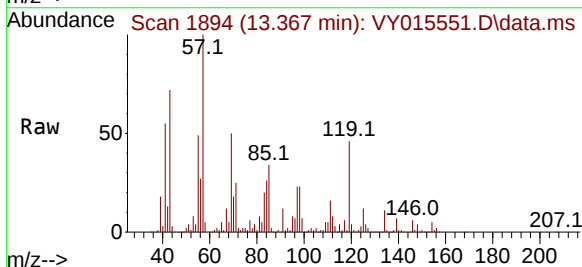
Tgt Ion:119 Resp: 58533

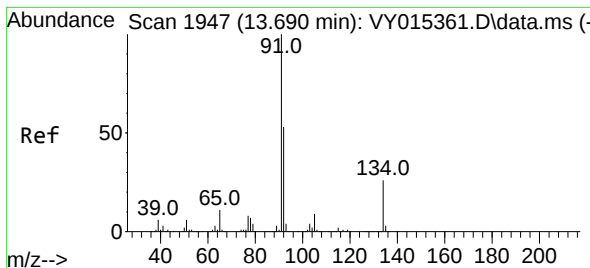
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

91 22.9 12.4 37.4





#89

n-Butylbenzene

Concen: 2.040 ug/l

RT: 13.696 min Scan# 1947

Delta R.T. -0.000 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Instrument :

MSVOA_Y

ClientSampleId :

WC-4(0-6)GRAB

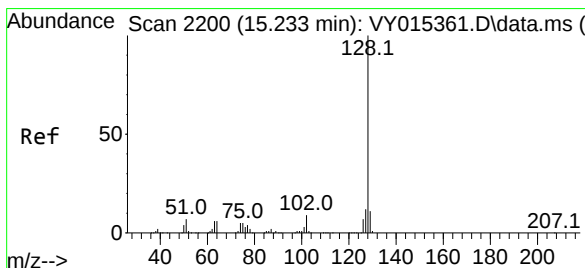
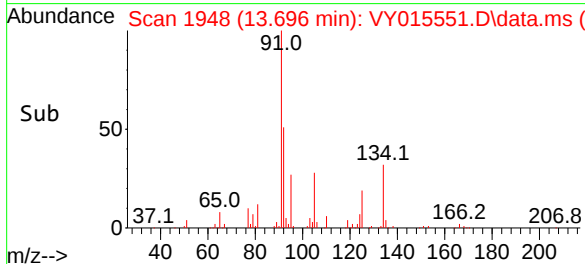
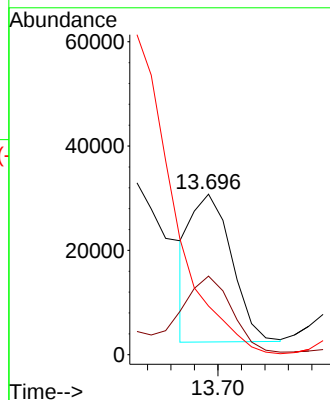
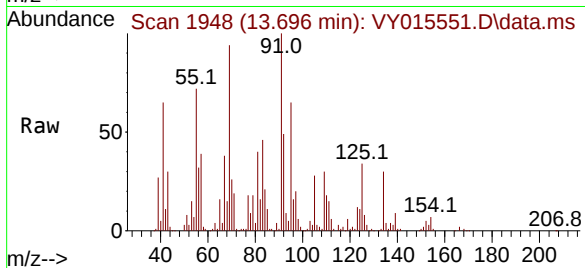
Tgt Ion: 91 Resp: 34086

Ion Ratio Lower Upper

91 100

92 78.9 25.4 76.0#

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 13.848 ug/l

RT: 15.232 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY015551.D

Acq: 14 Sep 2023 22:11

Tgt Ion:128 Resp: 178199

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

129 11.5 8.6 13.0

