

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001491.D
 Acq On : 04 Feb 2020 16:59
 Operator : SY/MD
 Sample : L1363-01
 Misc : 9.65G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-06-020320

Quant Time: Feb 05 06:55:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	178963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	278127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	96615	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	103565	57.48	ug/l	0.00
Spiked Amount			Recovery	=	114.96%	
35) Dibromofluoromethane	7.74	113	99890	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
50) Toluene-d8	10.19	98	383827	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.48	95	144312	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	

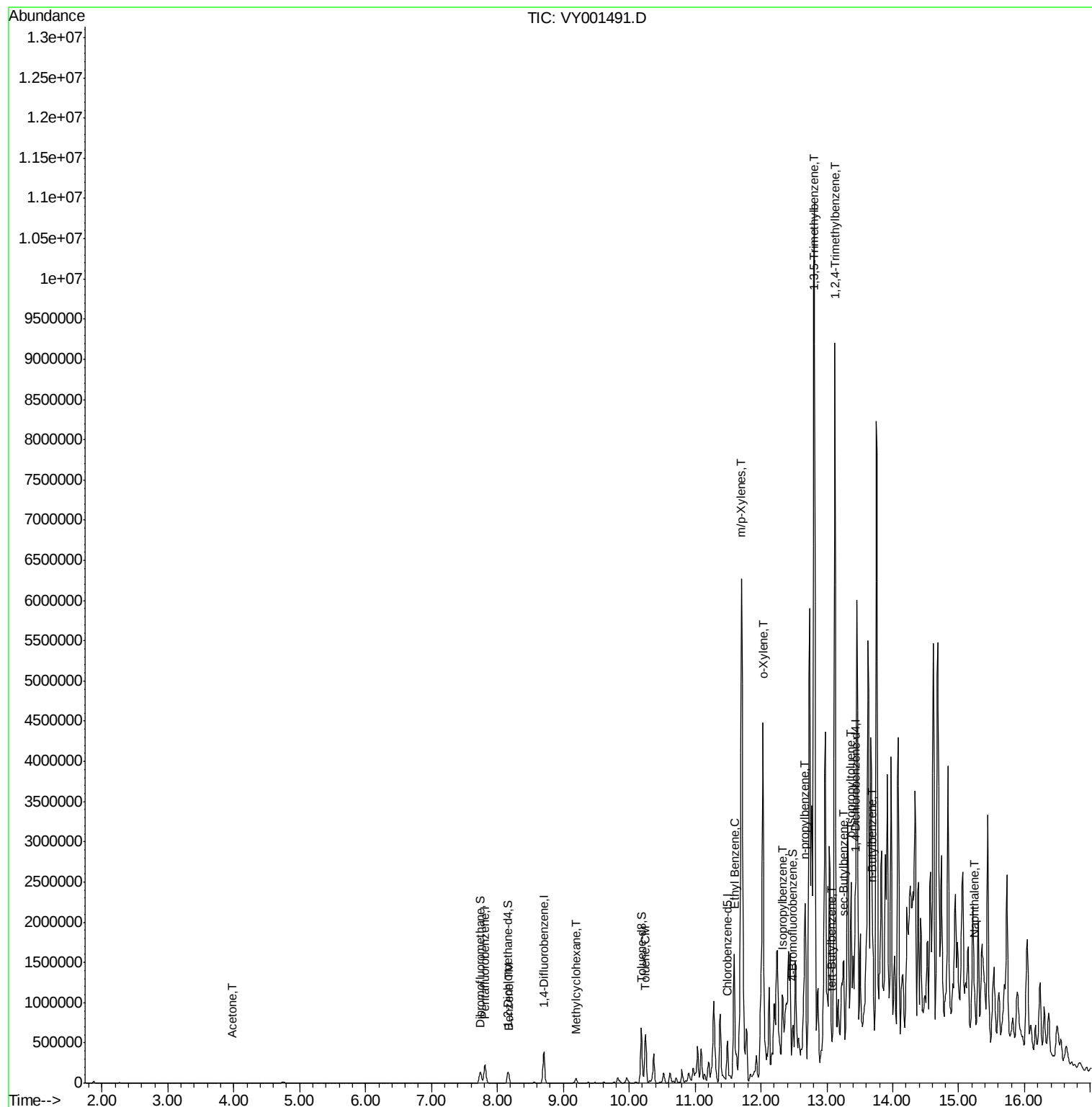
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.98	43	10074	19.328	ug/l	90
39) Methylcyclohexane	9.19	83	25060	6.336	ug/l	94
40) Benzene	8.18	78	8803	1.027	ug/l	99
52) Toluene	10.25	92	254275	46.770	ug/l	100
67) Ethyl Benzene	11.60	91	1084406	107.397	ug/l	99
68) m/p-Xylenes	11.70	106	1205904	318.135	ug/l	98
69) o-Xylene	12.03	106	1077793	301.569	ug/l	96
73) Isopropylbenzene	12.33	105	458520	62.226	ug/l	99
78) n-propylbenzene	12.67	91	1538321	174.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	2087361	336.364	ug/l	99
83) tert-Butylbenzene	13.08	119	25054	4.776	ug/l	86
84) 1,2,4-Trimethylbenzene	13.12	105	4900471	797.864	ug/l	100
85) sec-Butylbenzene	13.25	105	515958	69.960	ug/l	81
86) p-Isopropyltoluene	13.37	119	441310	67.904	ug/l	100
89) n-Butylbenzene	13.70	91	623790	97.278	ug/l #	77
95) Naphthalene	15.24	128	198668	45.294	ug/l #	90

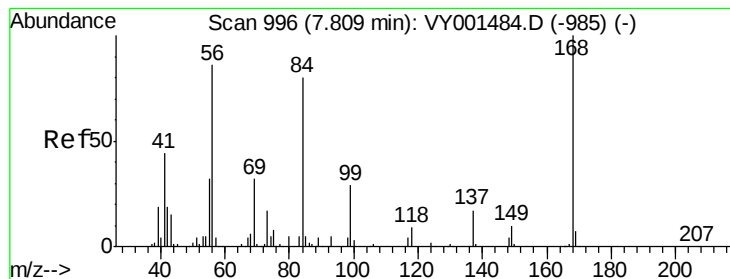
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

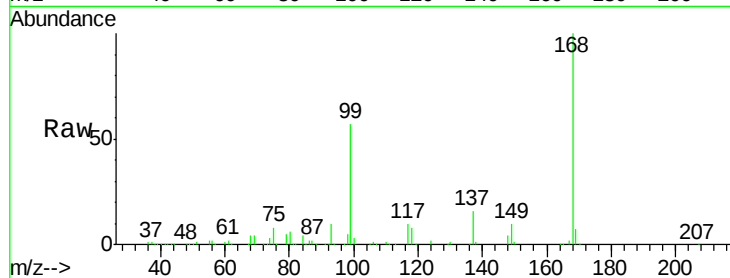
HR-06-020320

Tot Ion:168 Resp: 178963

Ion Ratio Lower Upper

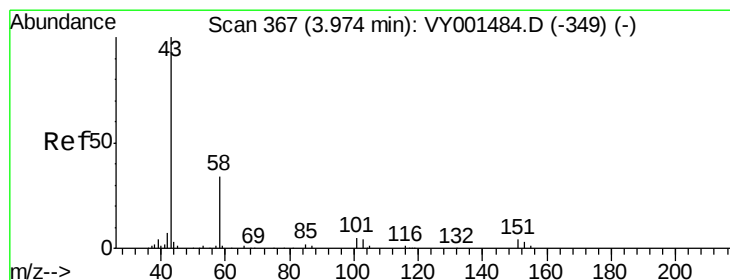
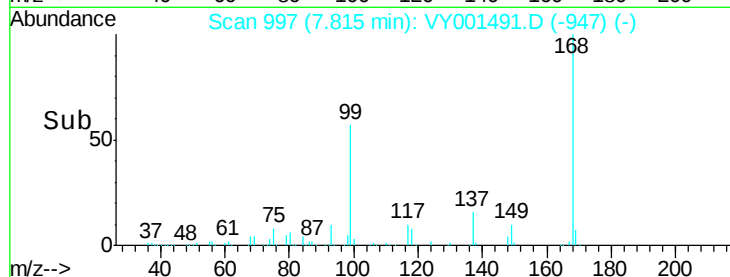
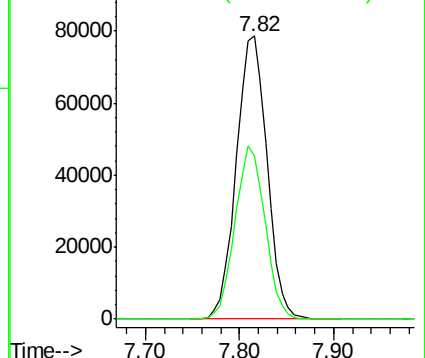
168 100

99 57.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001491.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001491.D (-947) (-)



#16

Acetone

Concen: 19.328 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001491.D

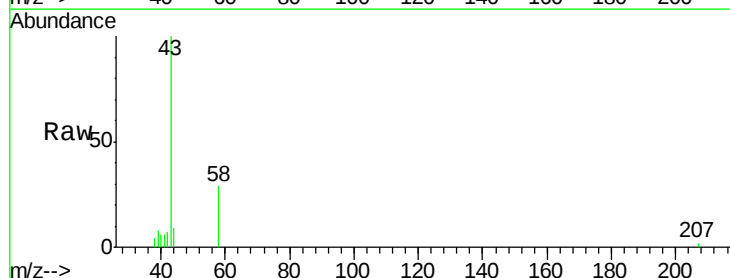
Acq: 04 Feb 2020 16:59

Tgt Ion: 43 Resp: 10074

Ion Ratio Lower Upper

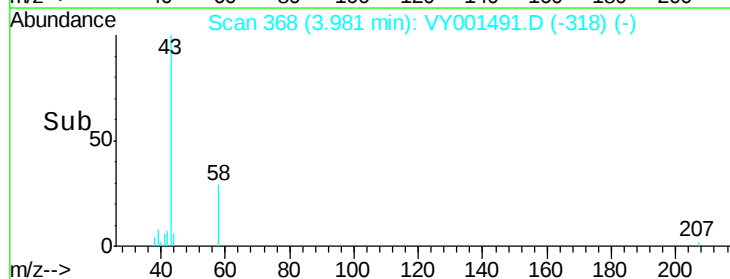
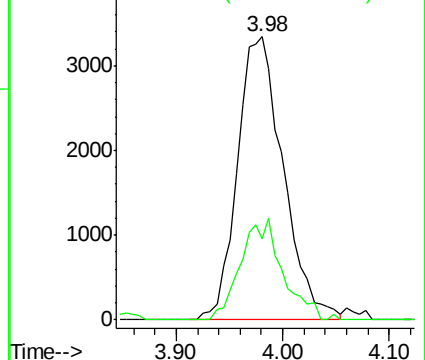
43 100

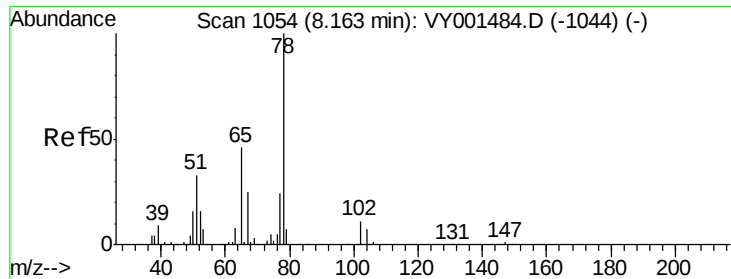
58 28.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001491.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001491.D (-318) (-)

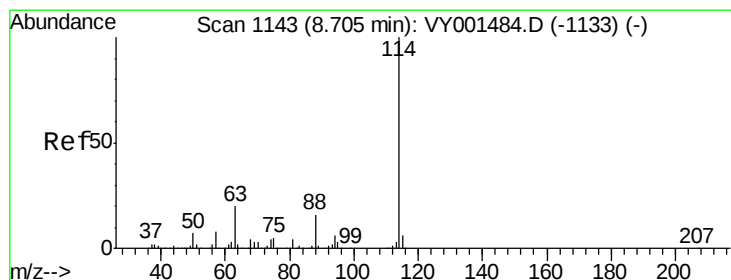
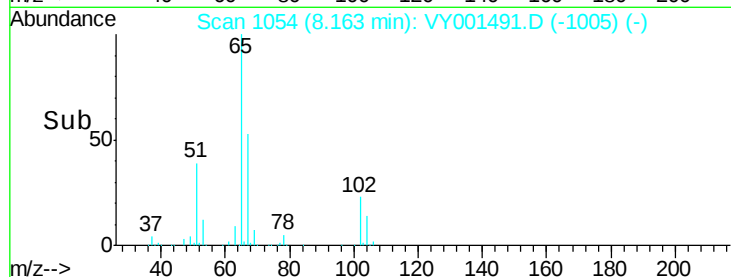
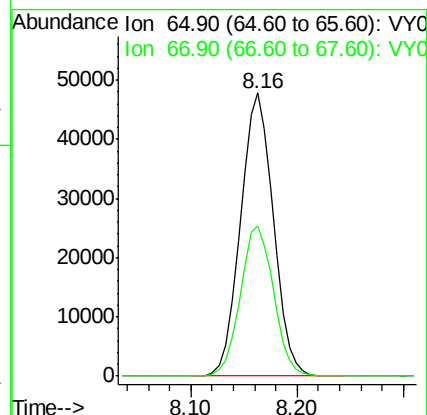
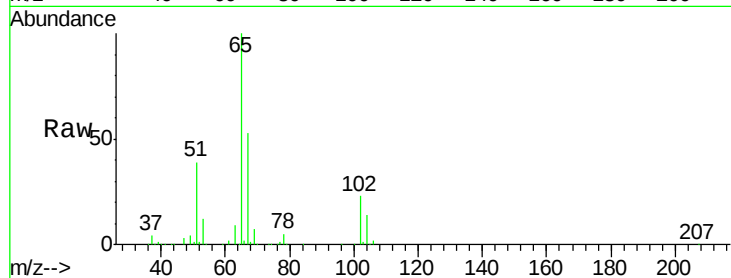




#33
 1,2-Dichloroethane-d4
 Concen: 57.476 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001491.D
 Acq: 04 Feb 2020 16:59

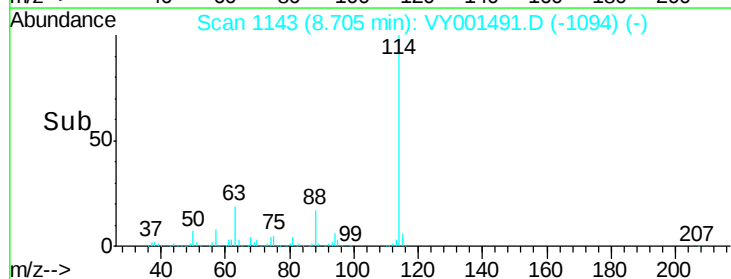
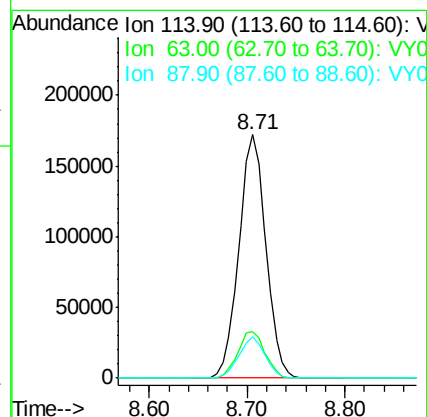
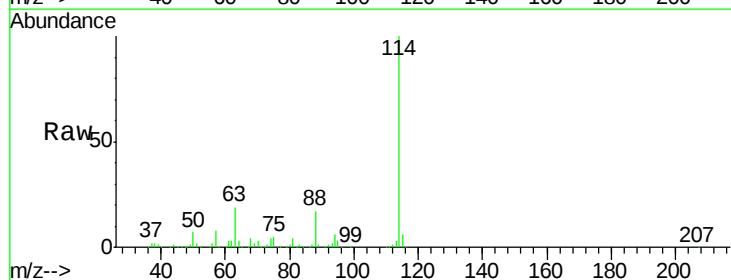
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-06-020320

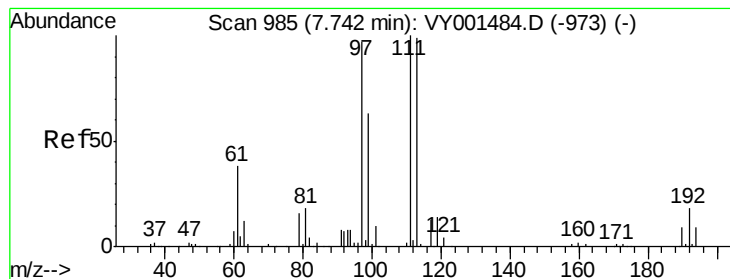
Tot Ion: 65 Resp: 103565
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001491.D
 Acq: 04 Feb 2020 16:59

Tgt Ion: 114 Resp: 328374
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.8
 88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.752 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

HR-06-020320

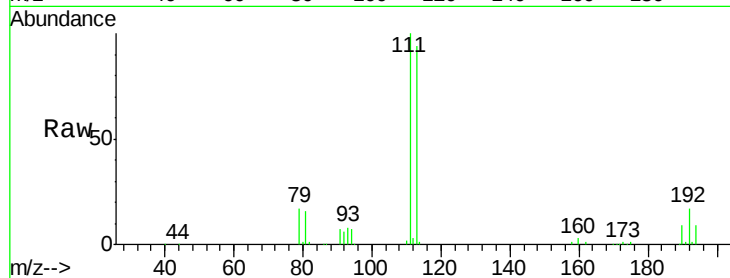
Tot Ion:113 Resp: 99890

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

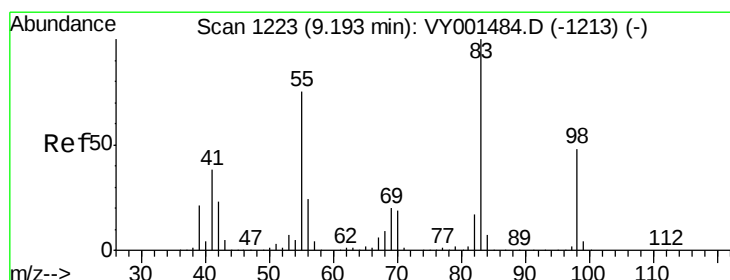
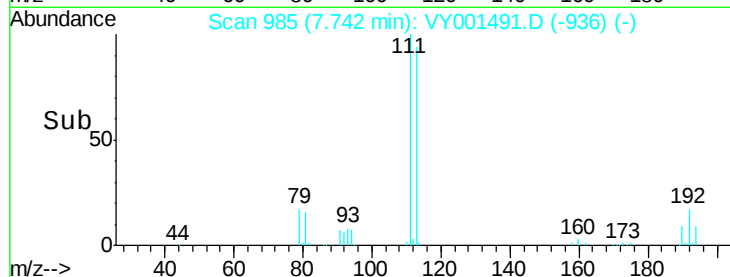
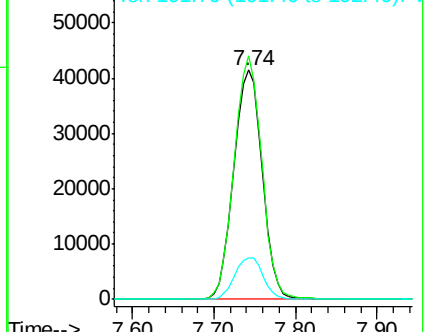
192 18.2 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 6.336 ug/l

RT: 9.19 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

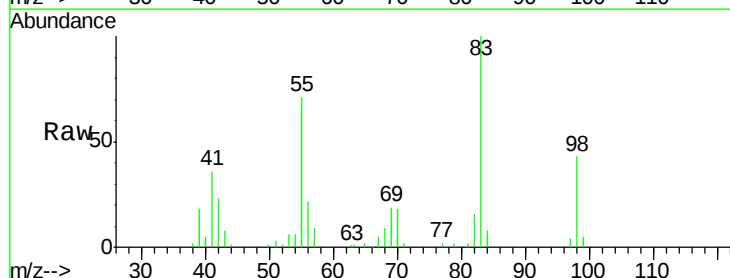
Tgt Ion: 83 Resp: 25060

Ion Ratio Lower Upper

83 100

55 70.9 59.8 89.6

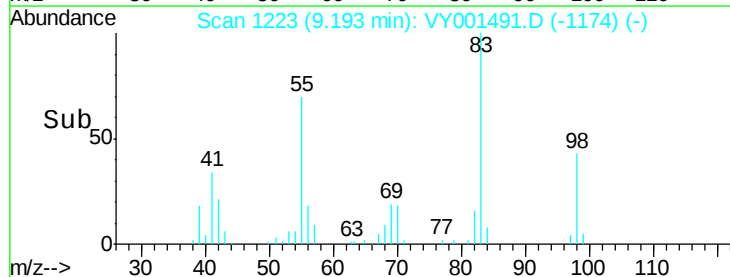
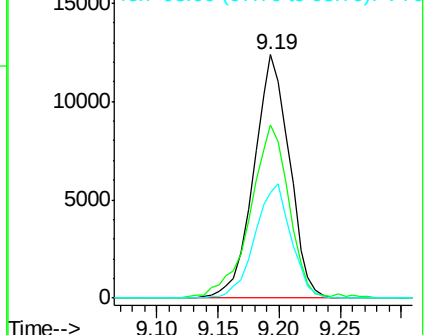
98 43.4 38.6 57.8

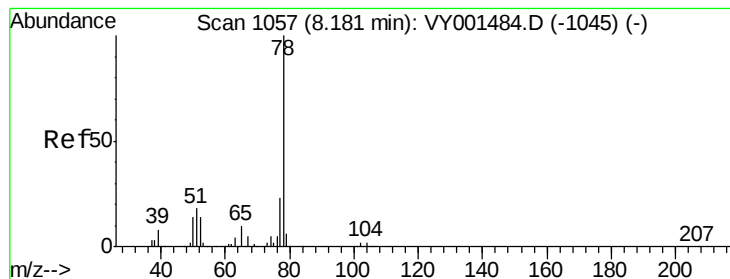


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#40

Benzene

Concen: 1.027 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

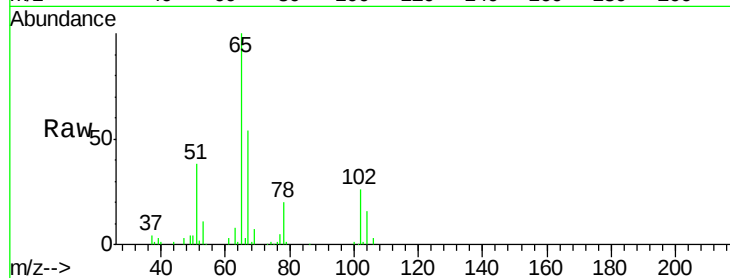
HR-06-020320

Tot Ion: 78 Resp: 8803

Ion Ratio Lower Upper

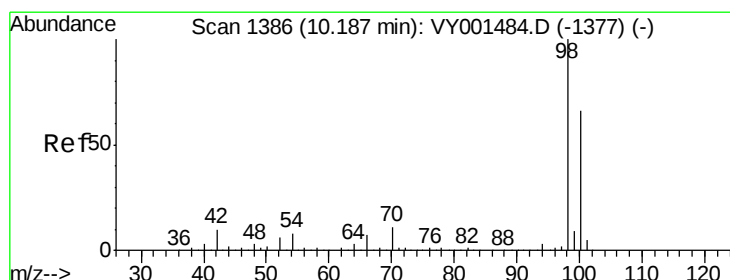
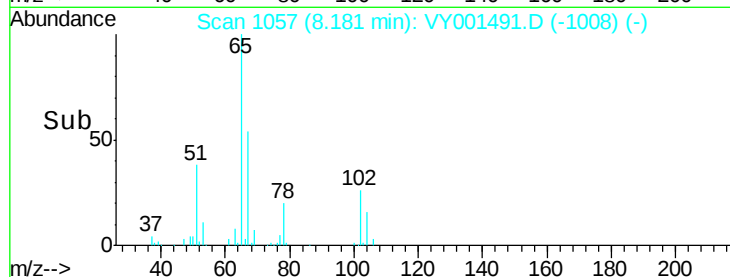
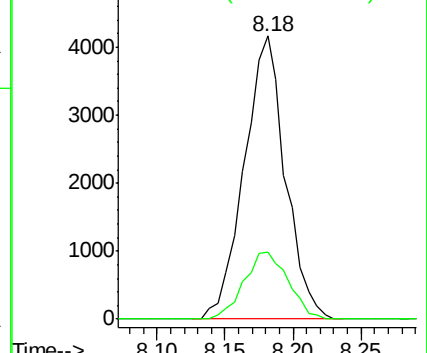
78 100

77 23.5 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#50

Toluene-d8

Concen: 53.576 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001491.D

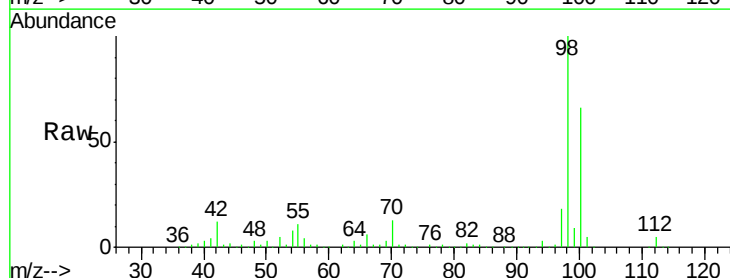
Acq: 04 Feb 2020 16:59

Tgt Ion: 98 Resp: 383827

Ion Ratio Lower Upper

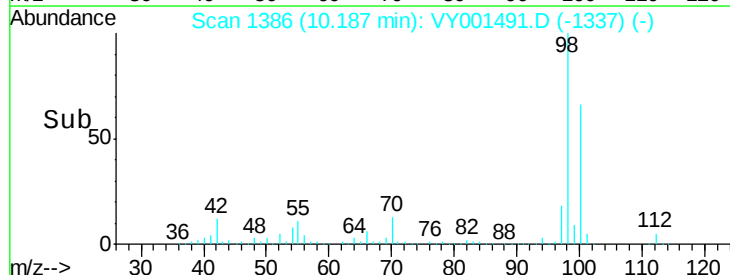
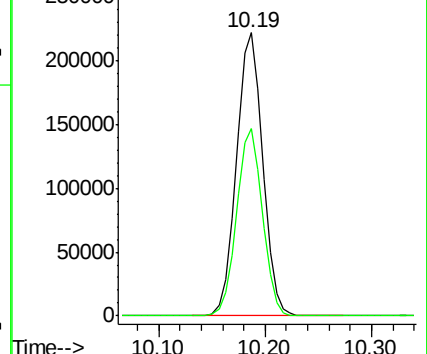
98 100

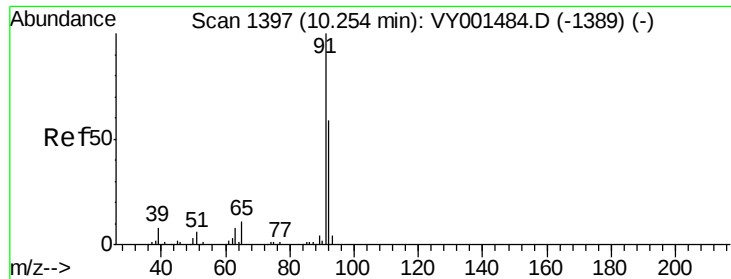
100 64.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 46.770 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

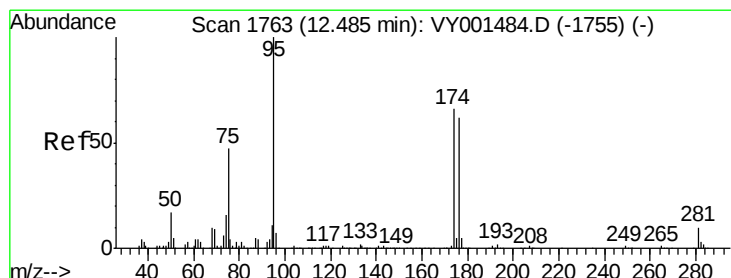
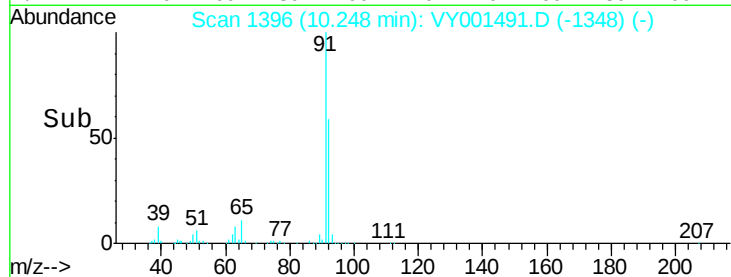
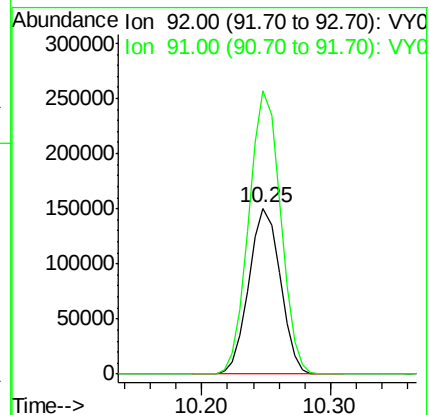
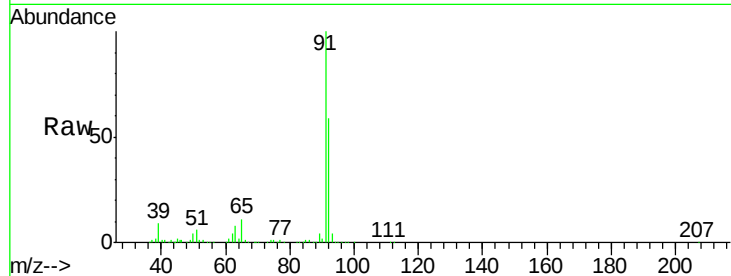
HR-06-020320

Tot Ion: 92 Resp: 254275

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8



#62

4-Bromofluorobenzene

Concen: 51.133 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

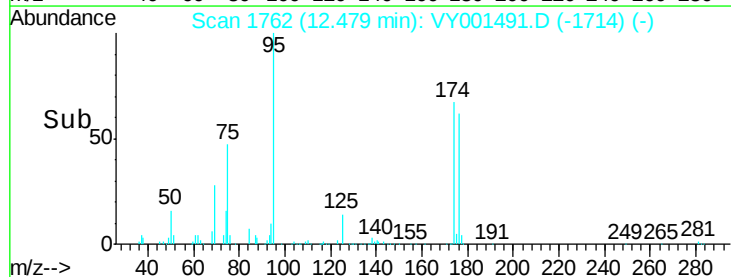
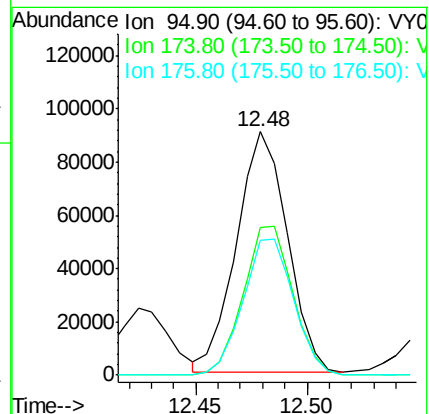
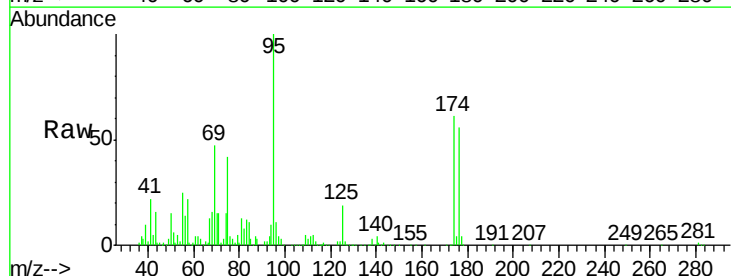
Tgt Ion: 95 Resp: 144312

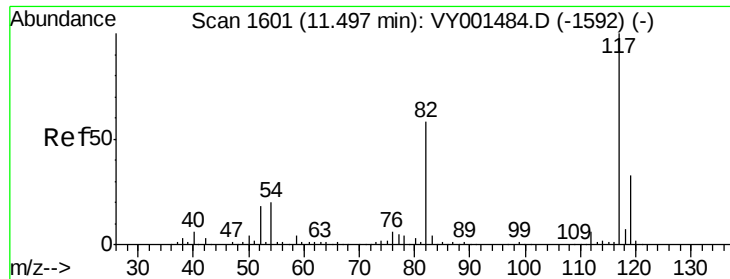
Ion Ratio Lower Upper

95 100

174 60.5 0.0 141.4

176 56.2 0.0 135.4

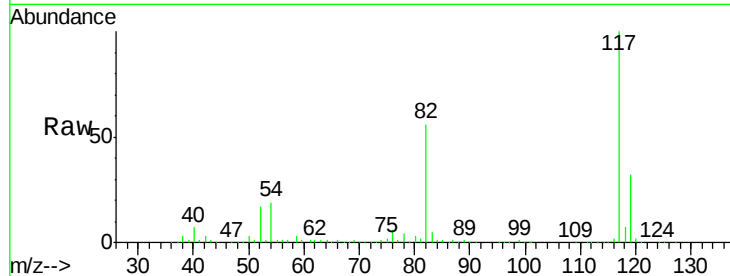




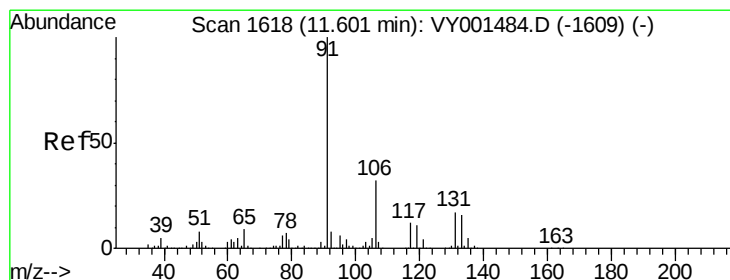
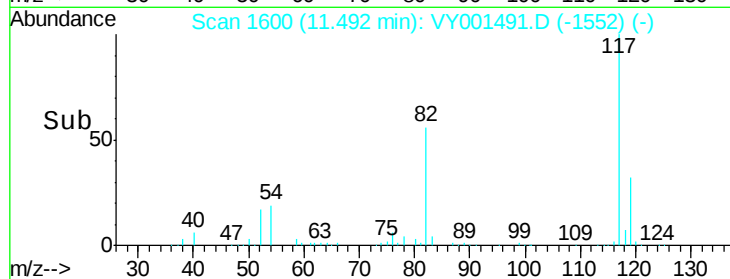
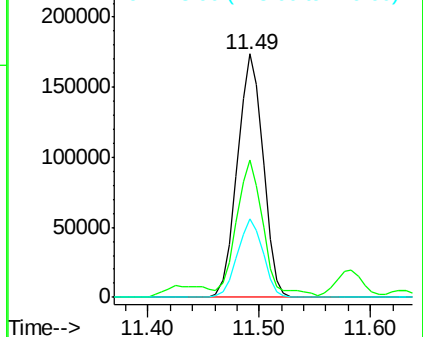
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-020320

Tot Ion:117 Resp: 278127
Ion Ratio Lower Upper
117 100
82 51.9 46.1 69.1
119 32.0 26.1 39.1

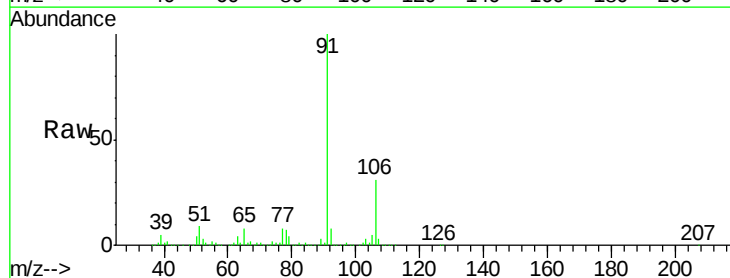


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

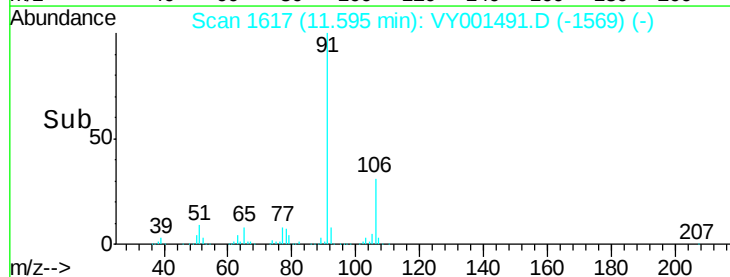
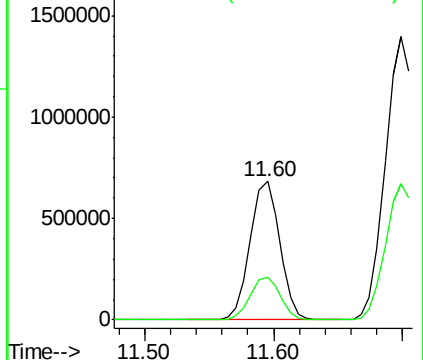


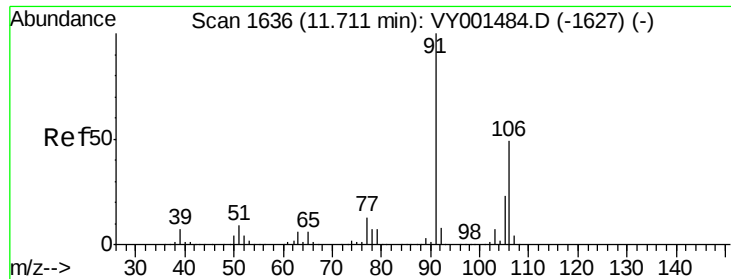
#67
Ethyl Benzene
Concen: 107.397 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Tgt Ion: 91 Resp: 1084406
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V

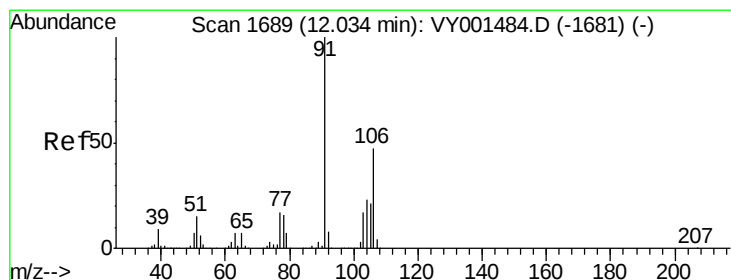
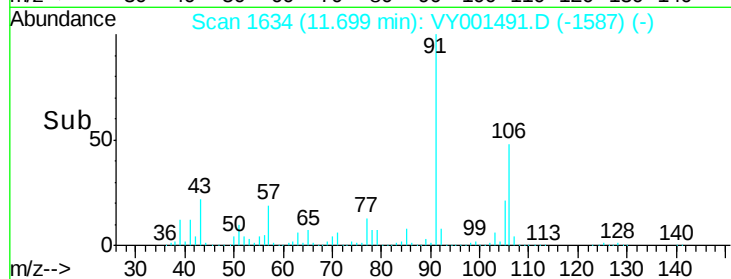
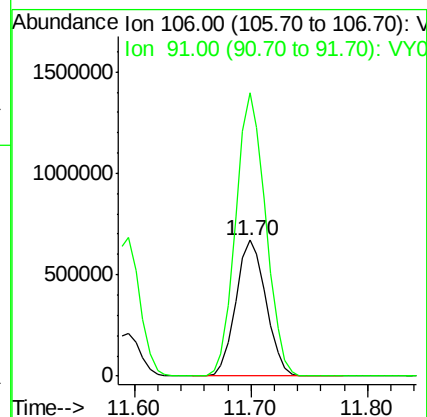
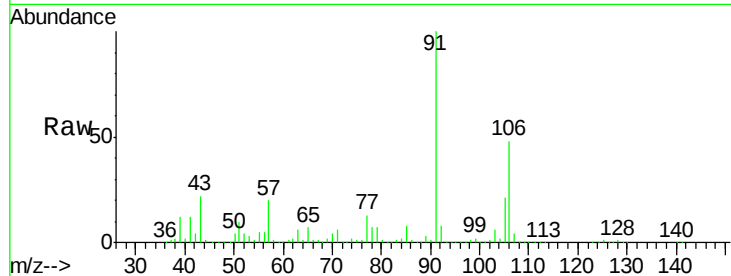




#68
m/p-Xylenes
Concen: 318.135 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

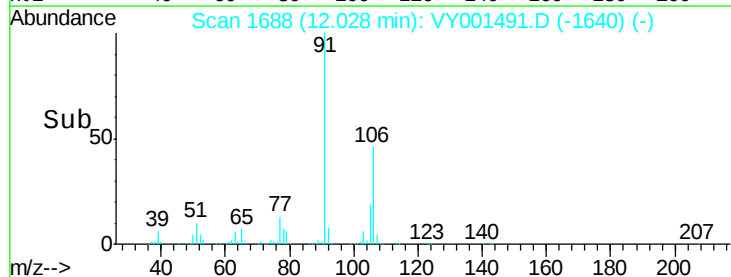
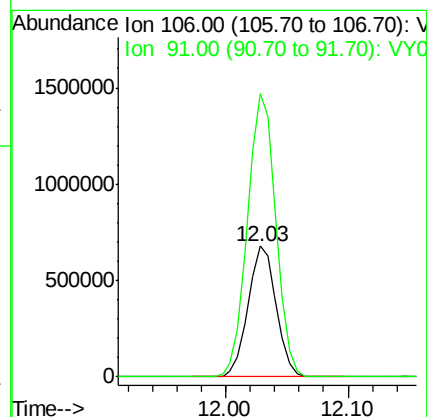
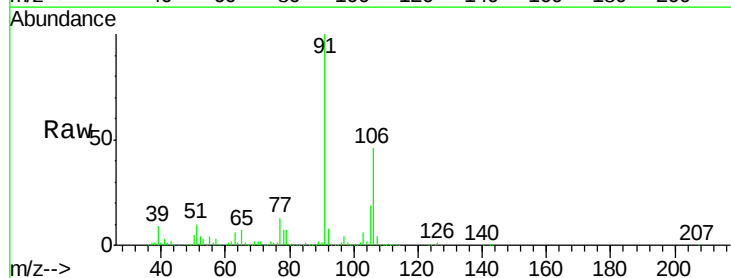
Instrument :
MSVOA_Y
ClientSampleId :
HR-06-020320

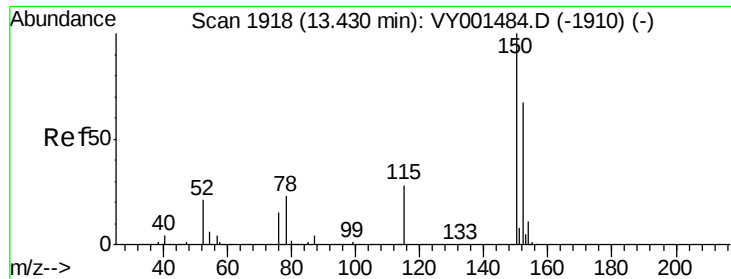
Tot Ion:106 Resp: 1205904
Ion Ratio Lower Upper
106 100
91 207.1 163.6 245.4



#69
o-Xylene
Concen: 301.569 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Tgt Ion:106 Resp: 1077793
Ion Ratio Lower Upper
106 100
91 218.9 106.0 318.0



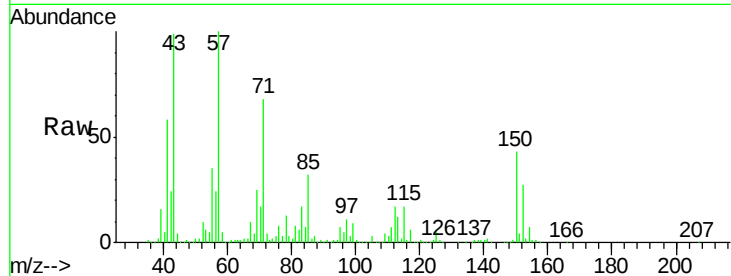


#72

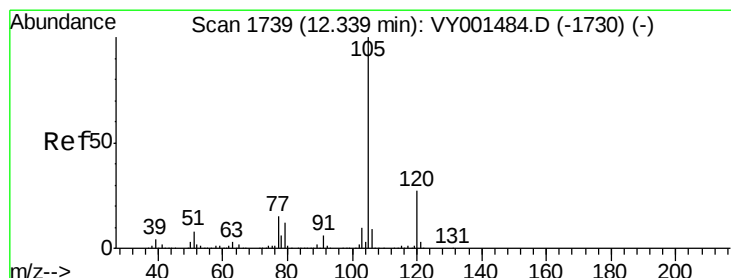
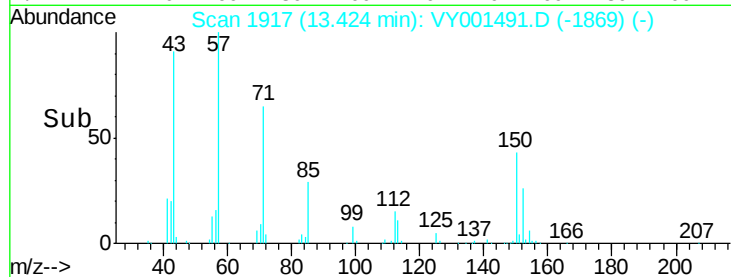
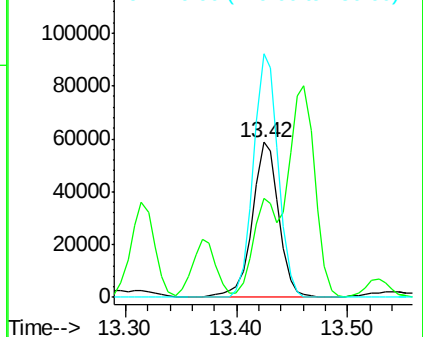
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-020320

Tot Ion:152 Resp: 96615
Ion Ratio Lower Upper
152 100
115 52.9 31.4 94.3
150 147.0 0.0 346.8



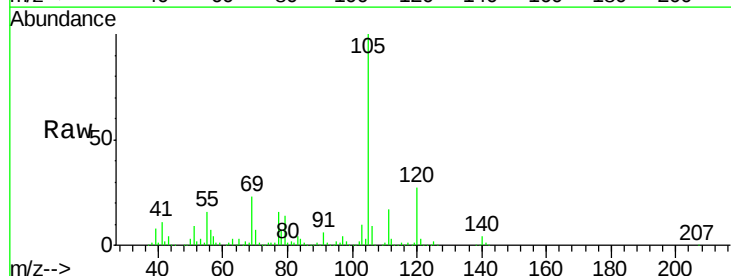
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



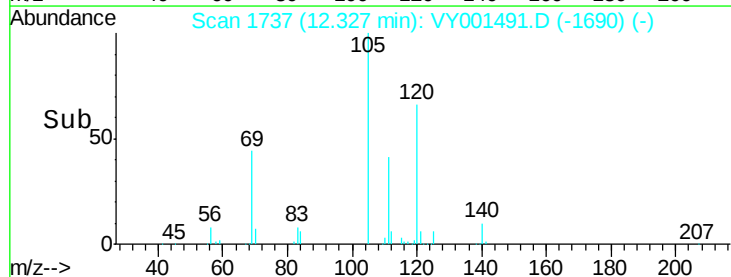
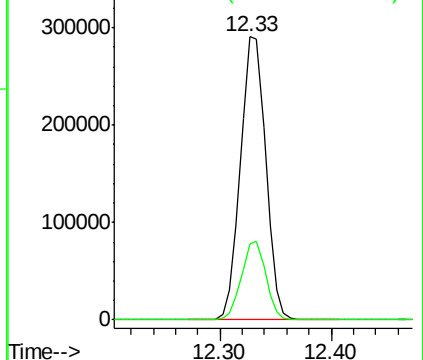
#73

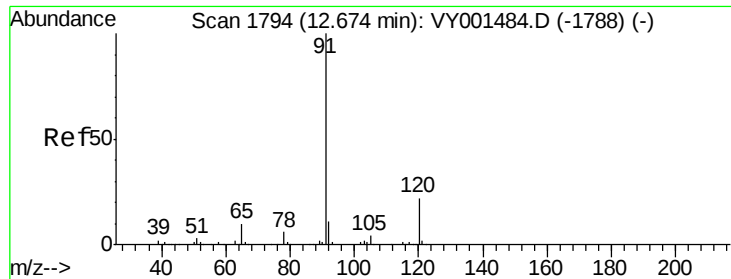
Isopropylbenzene
Concen: 62.226 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Tgt Ion:105 Resp: 458520
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 174.383 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

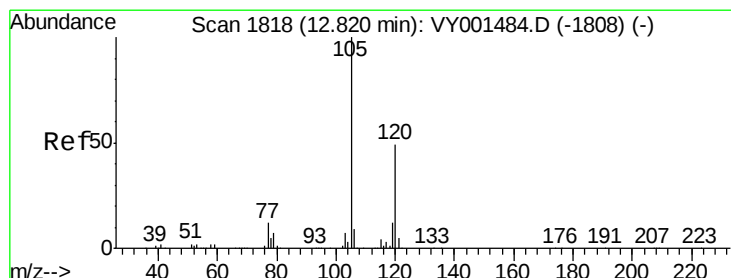
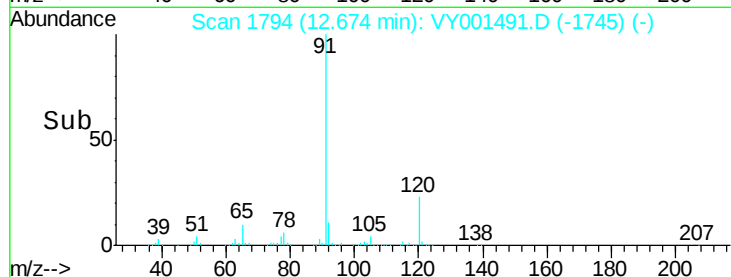
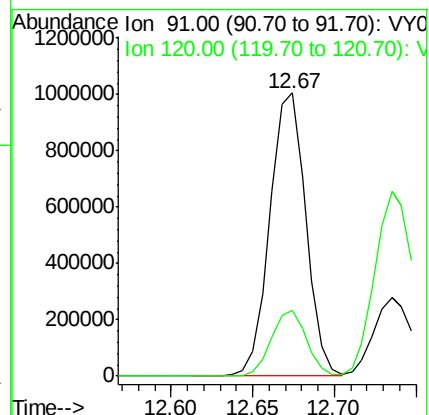
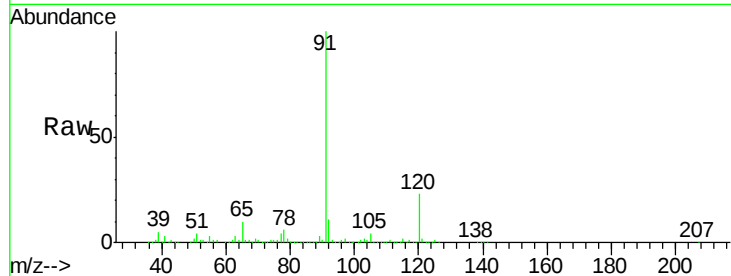
HR-06-020320

Tot Ion: 91 Resp: 1538321

Ion Ratio Lower Upper

91 100

120 22.9 11.4 34.2



#80

1,3,5-Trimethylbenzene

Concen: 336.364 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001491.D

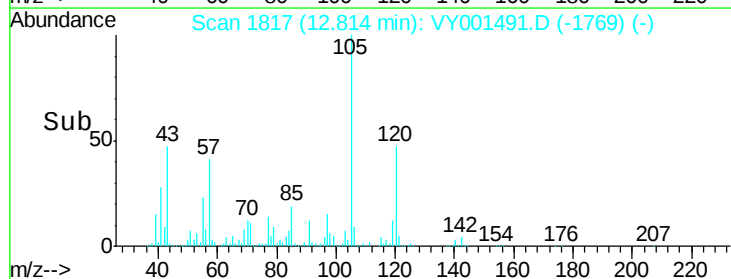
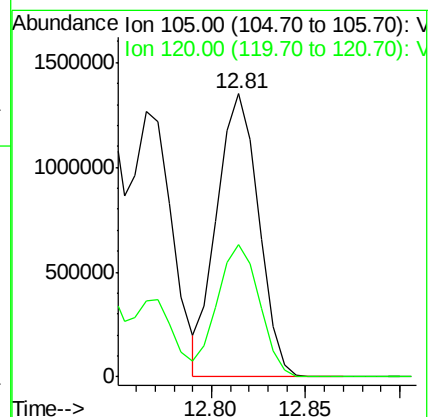
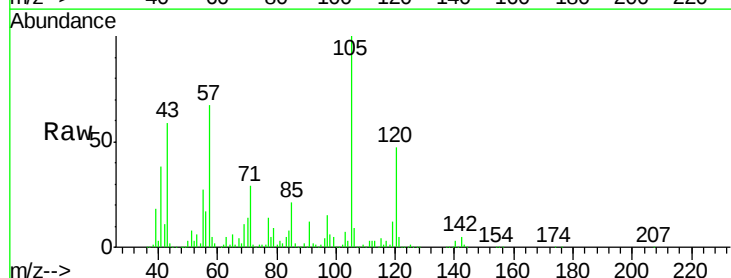
Acq: 04 Feb 2020 16:59

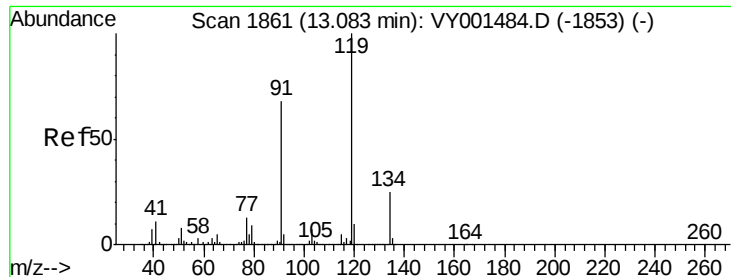
Tgt Ion: 105 Resp: 2087361

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2

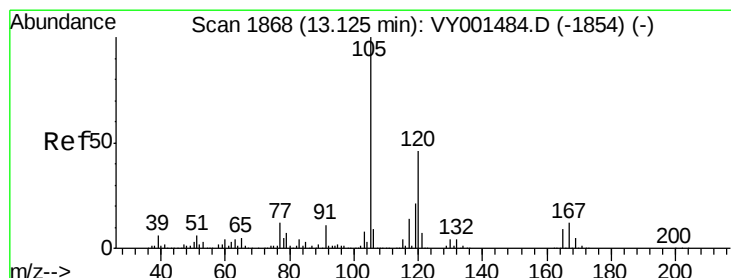
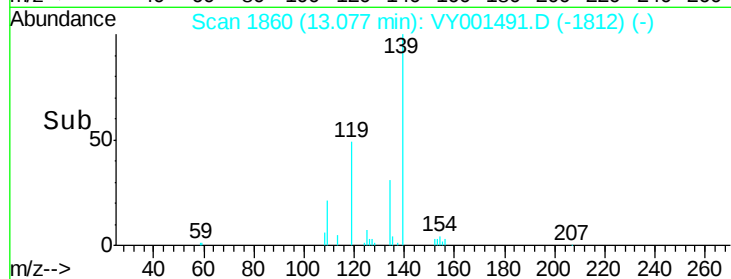
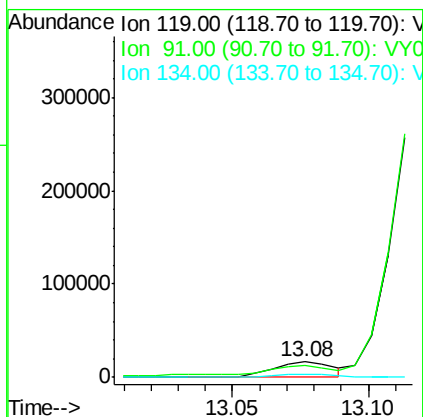
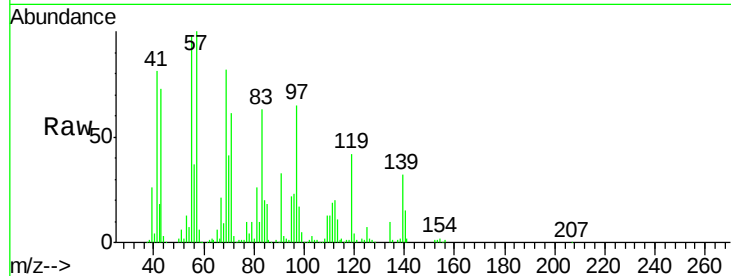




#83
 tert-Butylbenzene
 Concen: 4.776 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY001491.D
 Acq: 04 Feb 2020 16:59

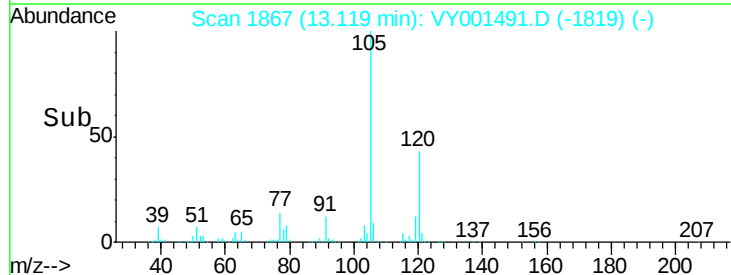
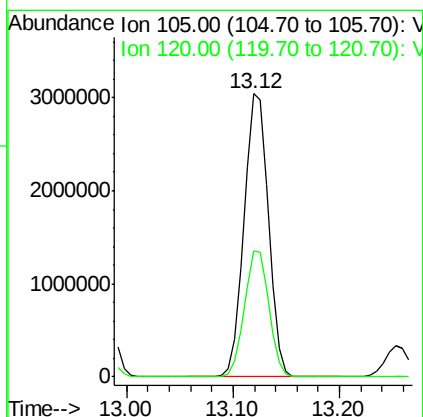
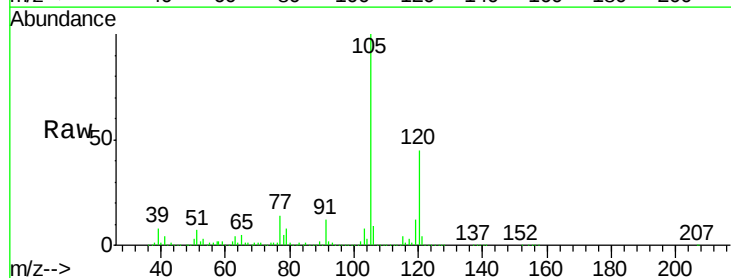
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-06-020320

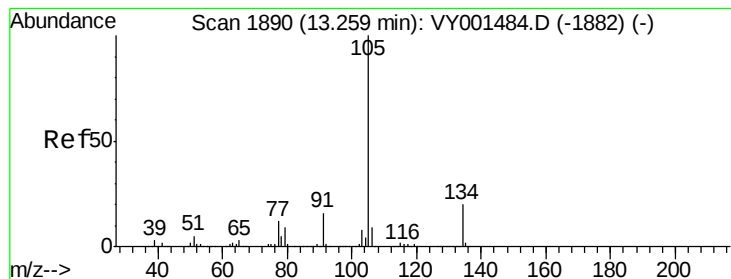
Tot Ion:119 Resp: 25054
 Ion Ratio Lower Upper
 119 100
 91 80.6 33.1 99.3
 134 24.3 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 797.864 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY001491.D
 Acq: 04 Feb 2020 16:59

Tgt Ion:105 Resp: 4900471
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 69.960 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

Instrument :

MSVOA_Y

ClientSampleId :

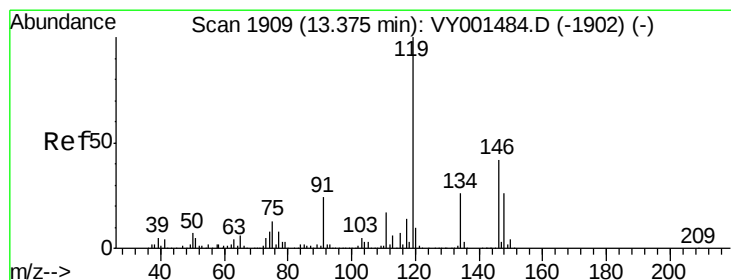
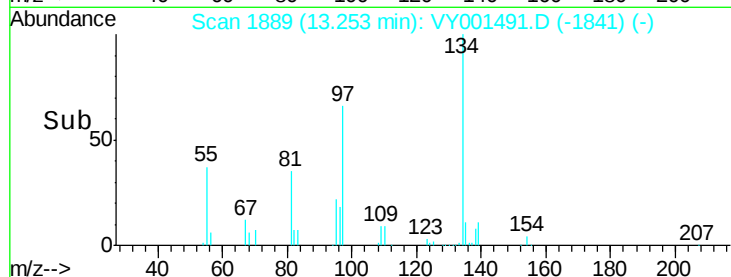
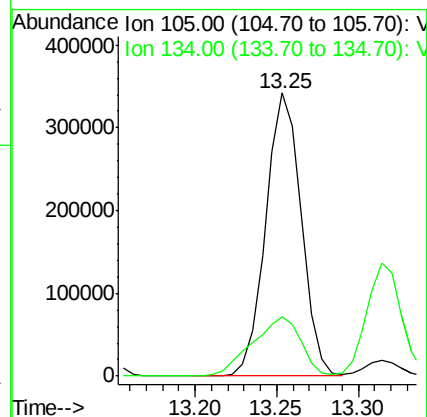
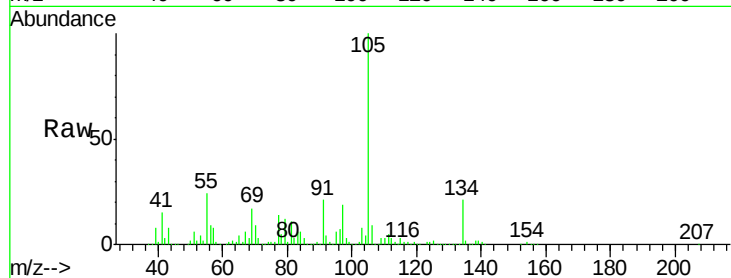
HR-06-020320

Tot Ion:105 Resp: 515958

Ion Ratio Lower Upper

105 100

134 28.8 10.0 29.8



#86

p-Isopropyltoluene

Concen: 67.904 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001491.D

Acq: 04 Feb 2020 16:59

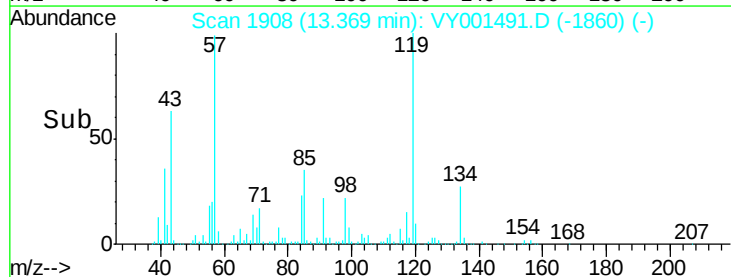
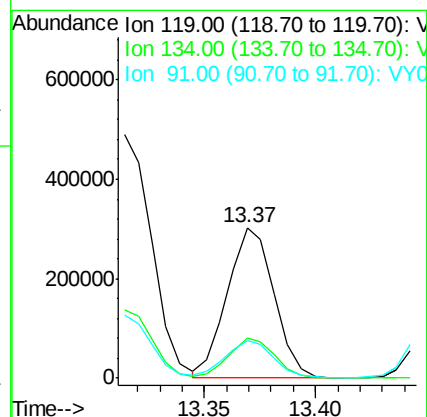
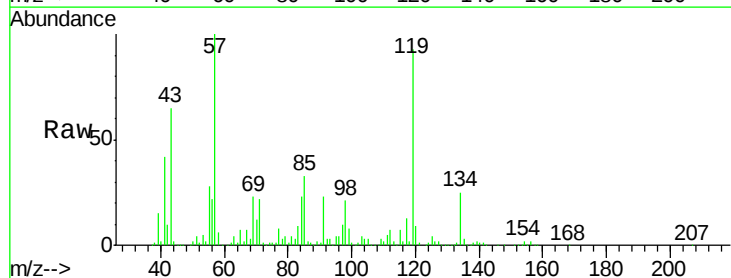
Tgt Ion:119 Resp: 441310

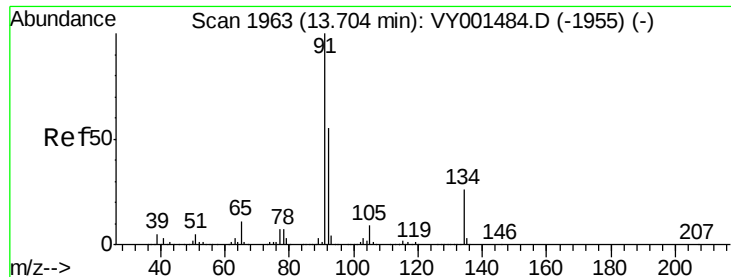
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.3 12.2 36.6

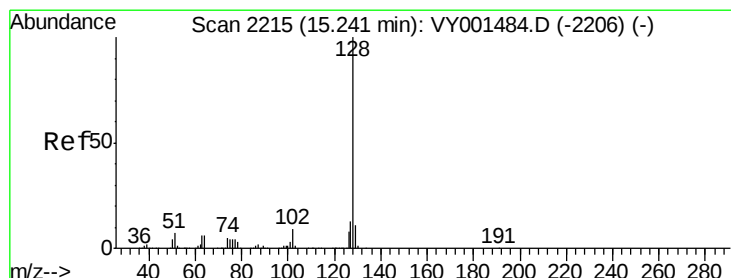
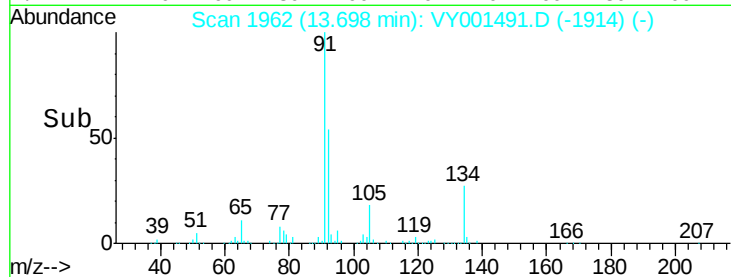
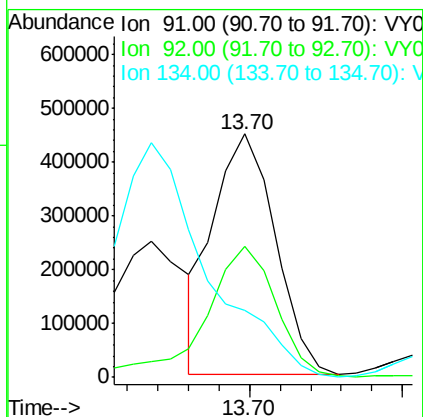
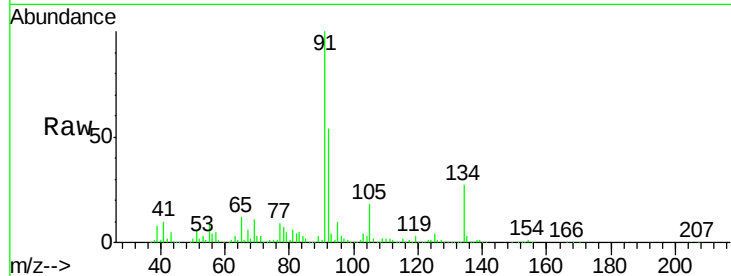




#89
n-Butylbenzene
Concen: 97.278 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Instrument :
MSVOA_Y
ClientSampleId :
HR-06-020320

Tot Ion: 91 Resp: 623790
Ion Ratio Lower Upper
91 100
92 62.0 27.3 81.9
134 0.0 13.0 38.9#



#95
Naphthalene
Concen: 45.294 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001491.D
Acq: 04 Feb 2020 16:59

Tgt Ion: 128 Resp: 198668
Ion Ratio Lower Upper
128 100
127 18.7 10.1 15.1#
129 10.0 8.9 13.3

