

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000758.D
 Acq On : 20 Nov 2019 17:38
 Operator : SY/MD
 Sample : K5951-01
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IRONBOUND-4FT

Quant Time: Nov 21 08:20:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	339067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	601496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	505111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	220122	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	171353	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	7.72	113	167972	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	10.18	98	685252	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.48	95	234211	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

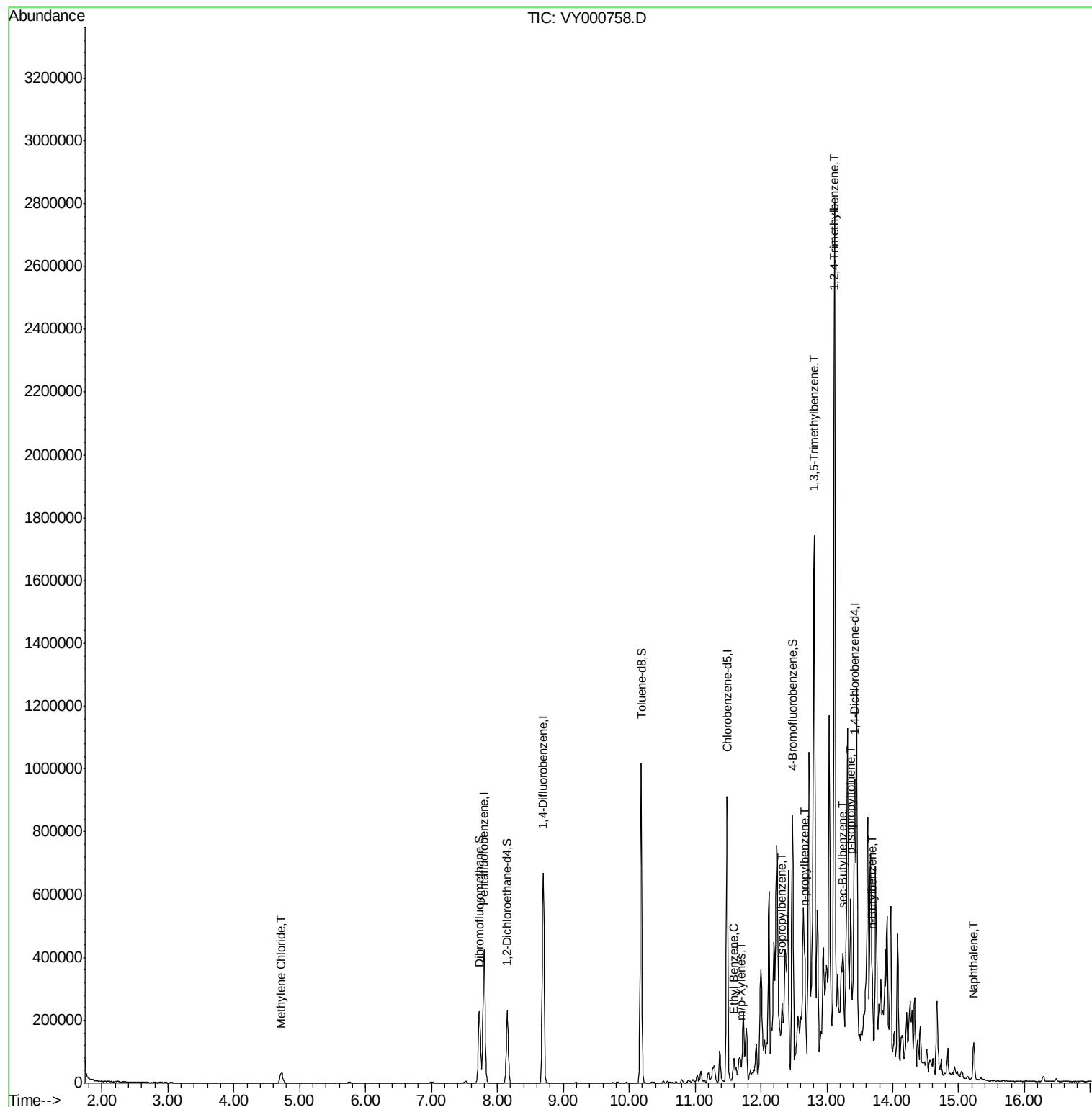
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.72	84	27024	6.521	ug/l	88
67) Ethyl Benzene	11.59	91	46759	2.481	ug/l	96
68) m/p-Xylenes	11.70	106	8705	1.193	ug/l	100
73) Isopropylbenzene	12.33	105	54551	3.353	ug/l	98
78) n-propylbenzene	12.67	91	229903	11.712	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	479440	35.385	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	1470031	108.967	ug/l	100
85) sec-Butylbenzene	13.25	105	102494	6.218	ug/l #	68
86) p-Isopropyltoluene	13.36	119	111923	7.619	ug/l	97
89) n-Butylbenzene	13.69	91	121583	8.392	ug/l #	81
95) Naphthalene	15.23	128	99457	10.036	ug/l	99

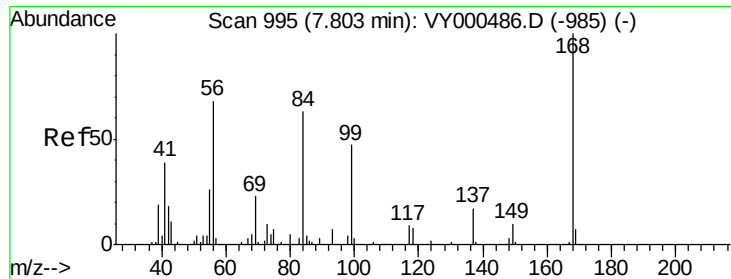
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
Data File : VY000758.D
Acq On : 20 Nov 2019 17:38
Operator : SY/MD
Sample : K5951-01
Misc : 6.23G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

Quant Time: Nov 21 08:20:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000758.D

Acq: 20 Nov 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

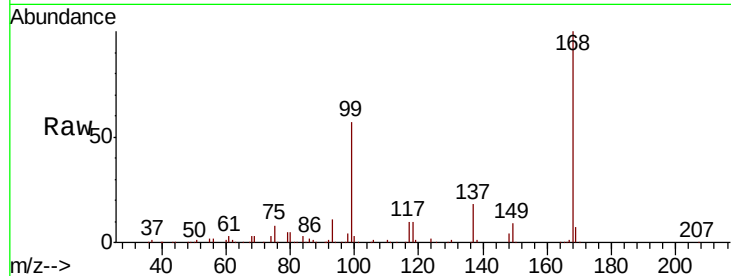
IRONBOUND-4FT

Tot Ion:168 Resp: 339067

Ion Ratio Lower Upper

168 100

99 56.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

150000

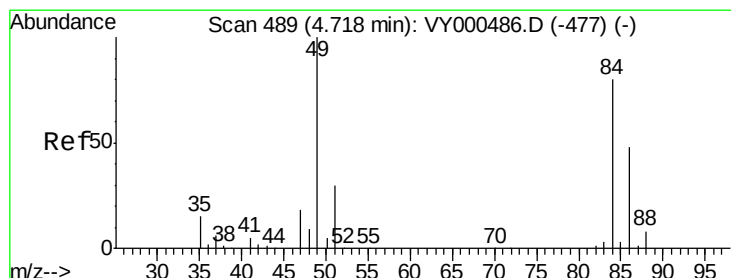
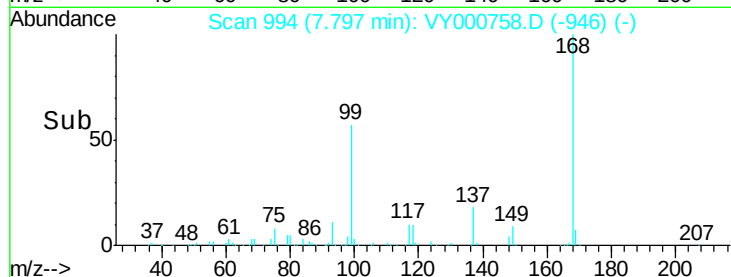
100000

50000

0

7.70 7.80 7.90

Time-->



#20

Methylene Chloride

Concen: 6.521 ug/l

RT: 4.72 min Scan# 489

Delta R.T. 0.00 min

Lab File: VY000758.D

Acq: 20 Nov 2019 17:38

Tgt Ion: 84 Resp: 27024

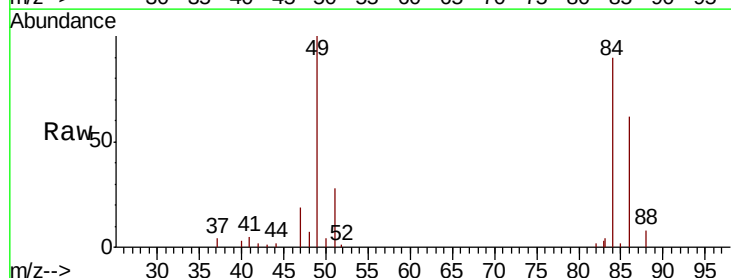
Ion Ratio Lower Upper

84 100

49 110.5 100.2 150.4

51 30.9 29.6 44.4

86 68.8 48.3 72.5



Abundance Ion 83.90 (83.60 to 84.60): VY000486.D (-477) (-)

Ion 48.90 (48.60 to 49.60): VY000486.D (-477) (-)

Ion 50.90 (50.60 to 51.60): VY000486.D (-477) (-)

Ion 85.90 (85.60 to 86.60): VY000486.D (-477) (-)

4.72

15000

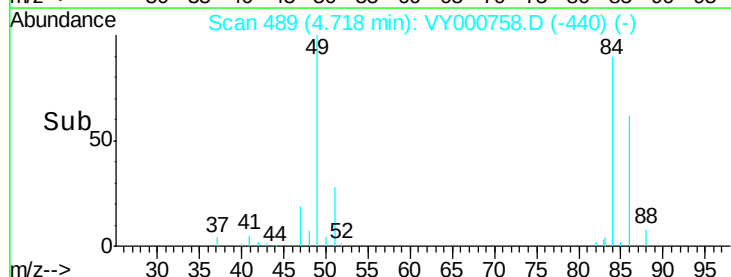
10000

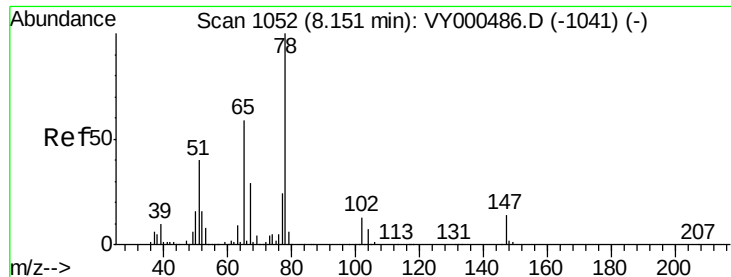
5000

0

4.60 4.70 4.80

Time-->

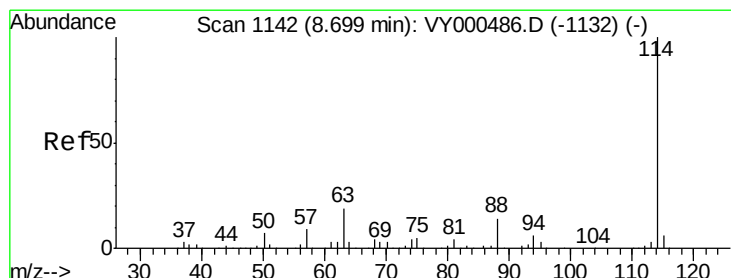
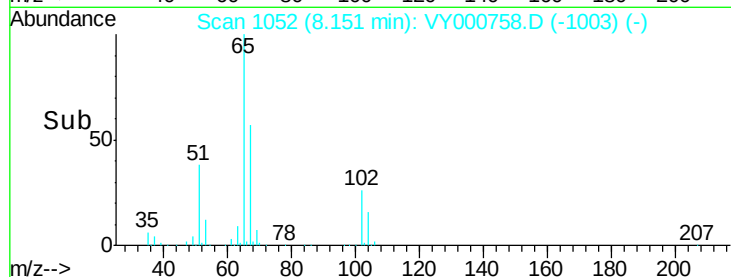
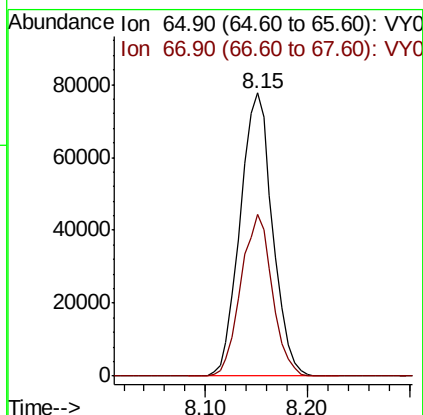
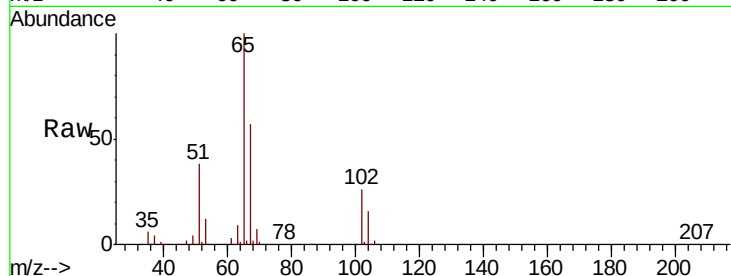




#33
 1,2-Dichloroethane-d4
 Concen: 48.834 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000758.D
 Acq: 20 Nov 2019 17:38

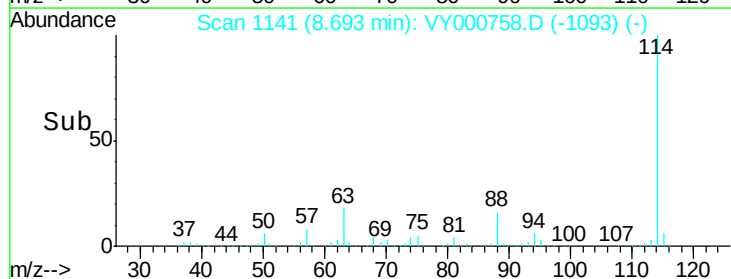
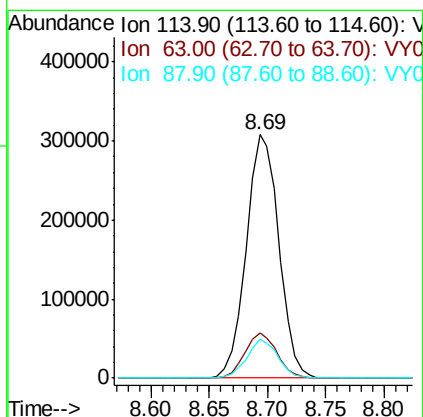
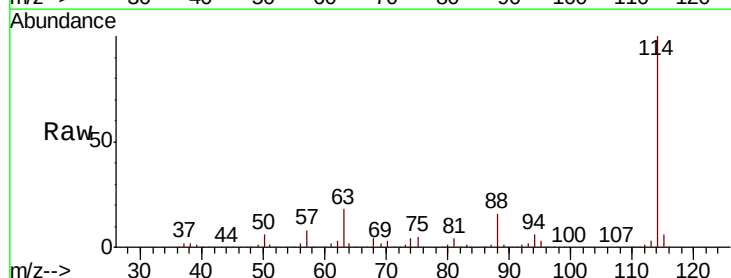
Instrument :
 MSVOA_Y
 ClientSampleId :
 IRONBOUND-4FT

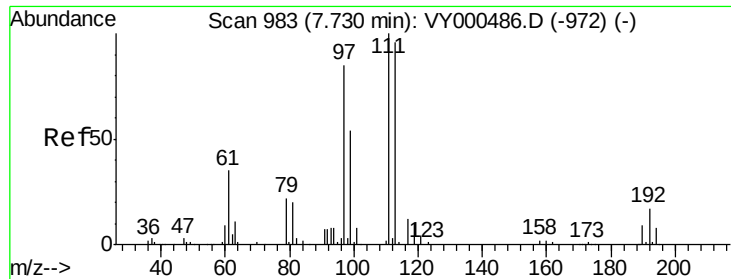
Tot Ion: 65 Resp: 171353
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000758.D
 Acq: 20 Nov 2019 17:38

Tgt Ion: 114 Resp: 601496
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.0
 88 15.8 0.0 28.6

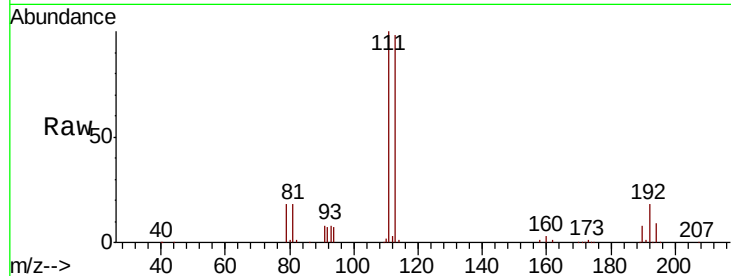




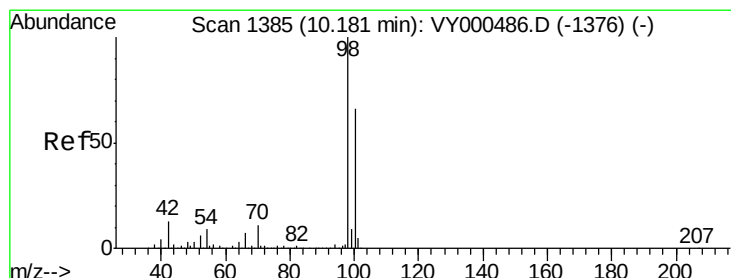
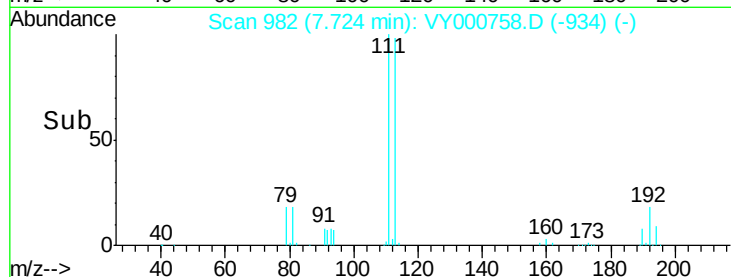
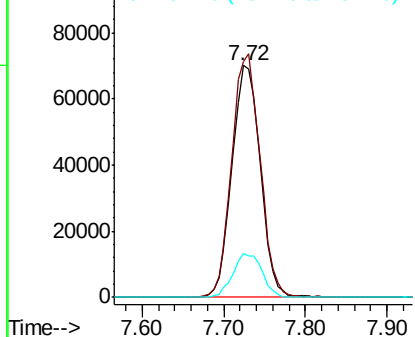
#35
Dibromofluoromethane
Concen: 47.568 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.7	122.5
192	19.4	15.0	22.4

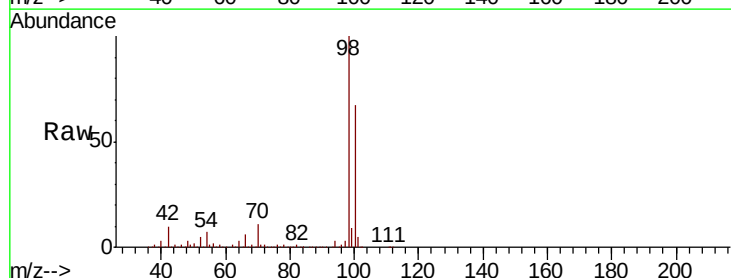


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

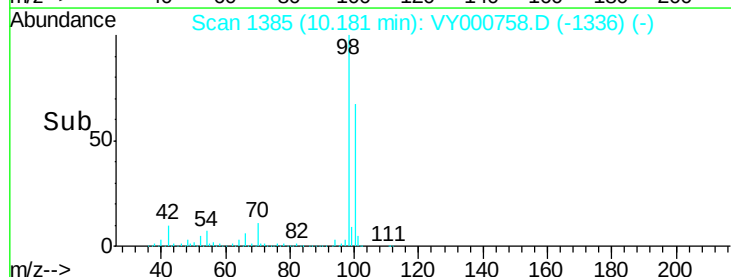
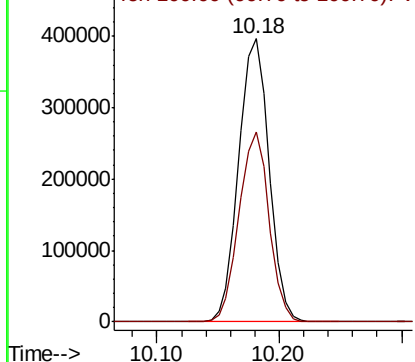


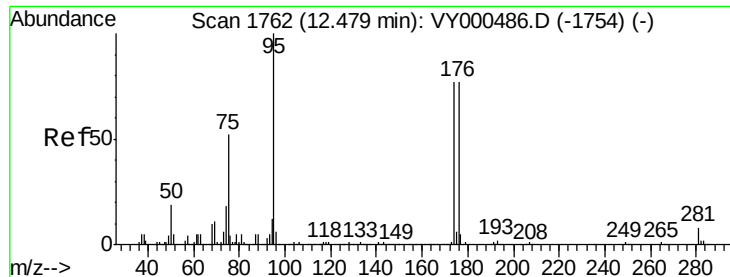
#50
Toluene-d8
Concen: 51.142 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

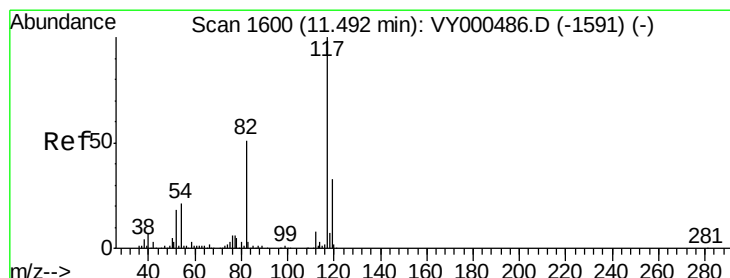
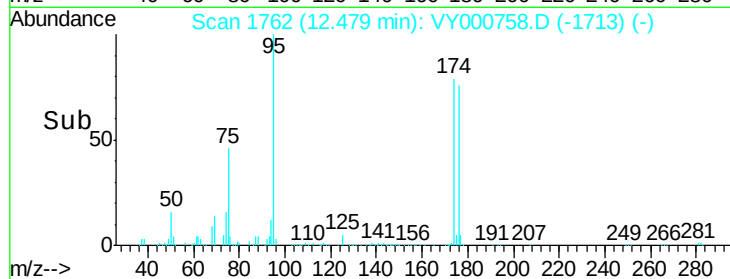
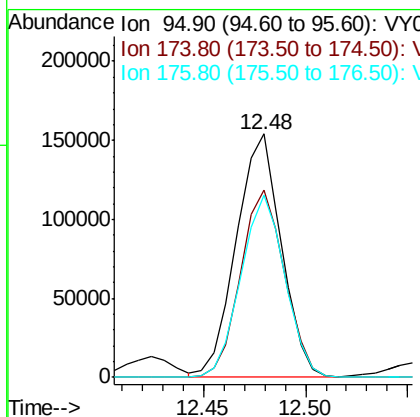
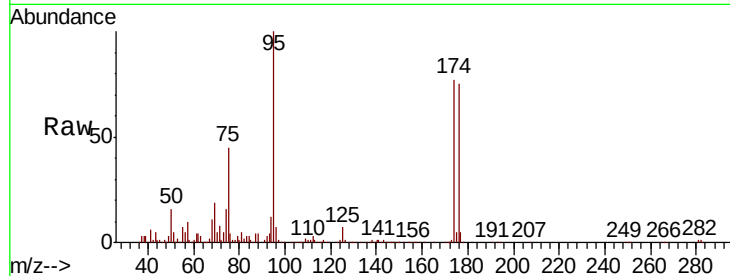




#62
4-Bromofluorobenzene
Concen: 45.916 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

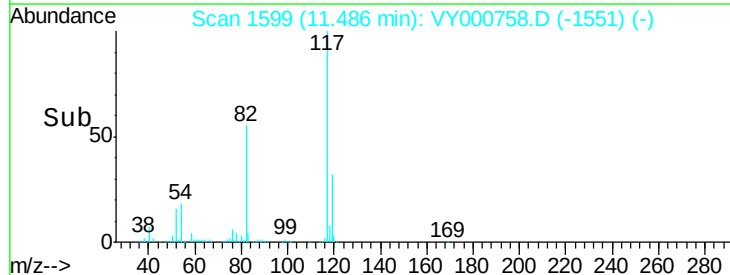
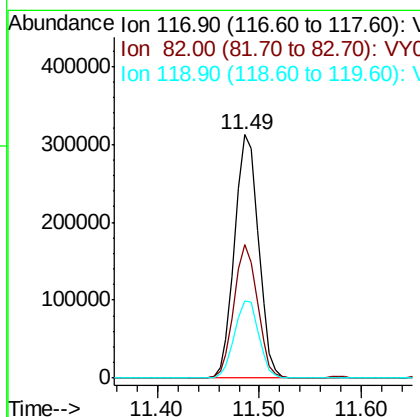
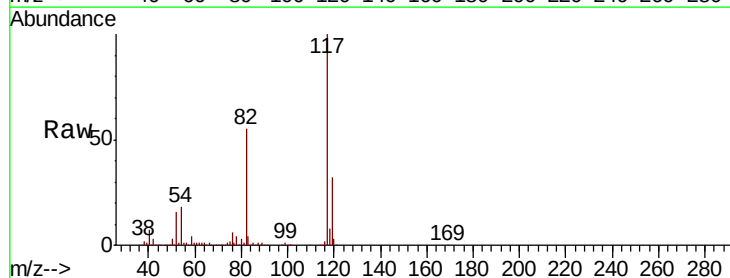
Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

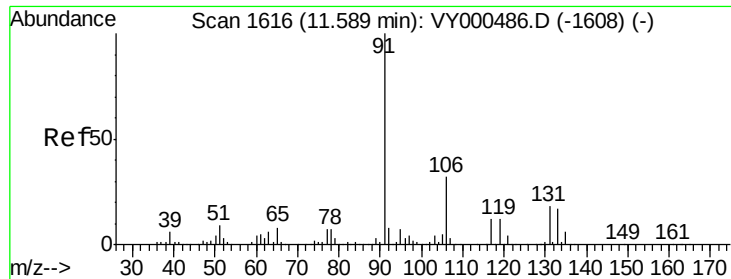
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	161.6
176	73.6	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	40.8	61.2
119	31.5	26.2	39.2

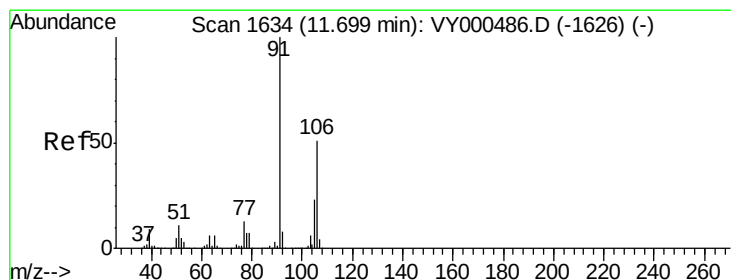
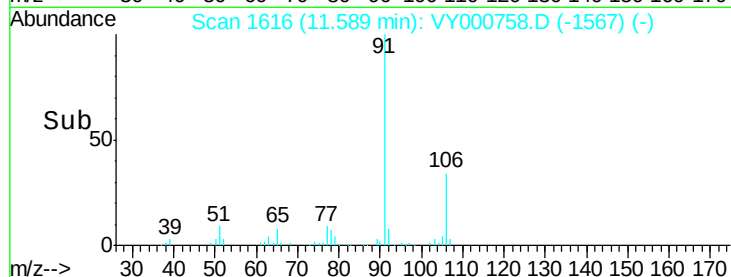
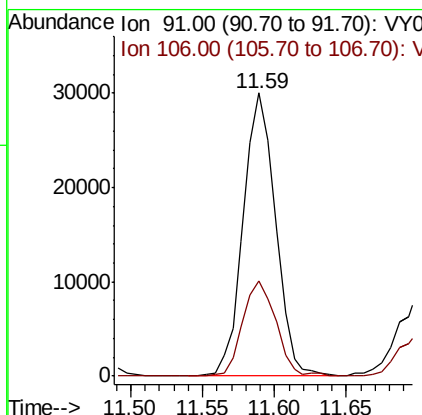
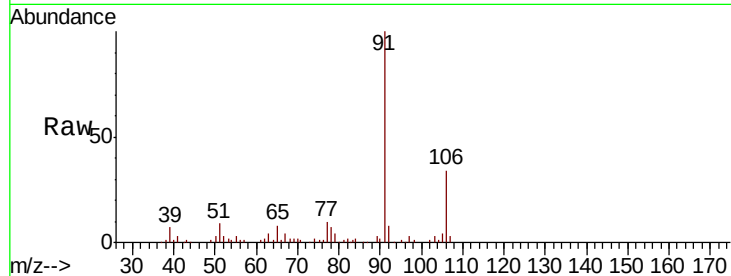




#67
Ethyl Benzene
Concen: 2.481 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

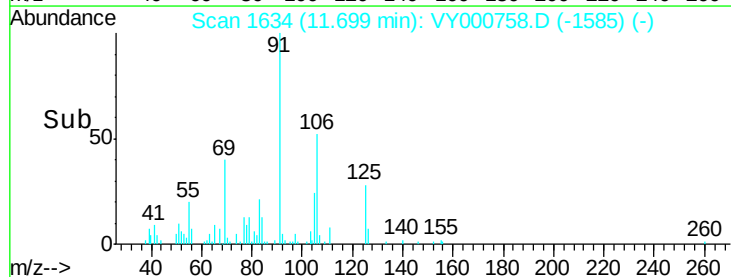
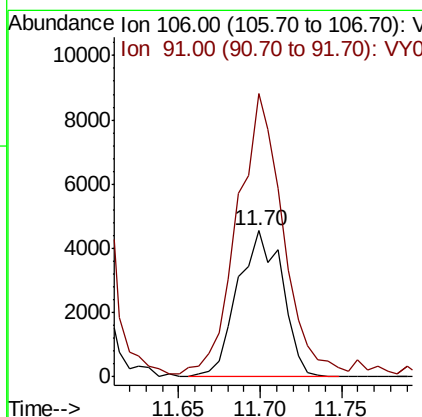
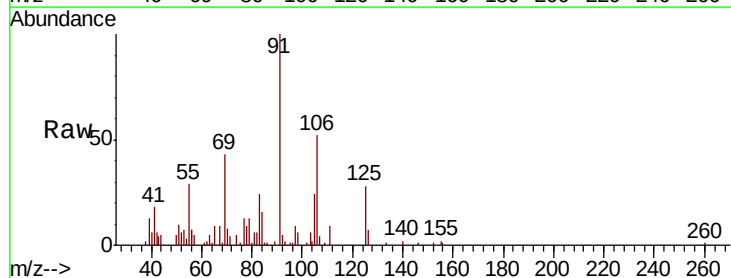
Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

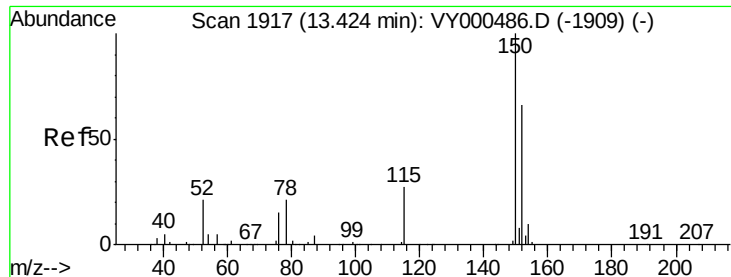
Tot Ion: 91 Resp: 46759
Ion Ratio Lower Upper
91 100
106 33.8 25.4 38.0



#68
m/p-Xylenes
Concen: 1.193 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Tgt Ion: 106 Resp: 8705
Ion Ratio Lower Upper
106 100
91 194.7 155.9 233.9



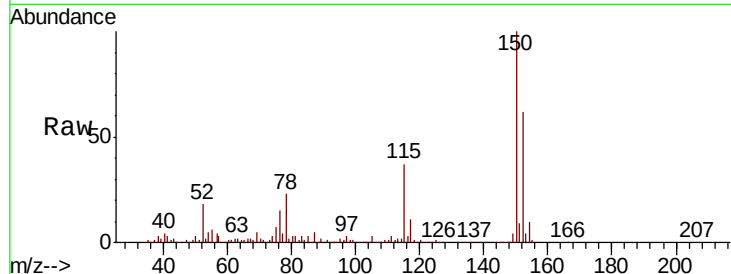


#72

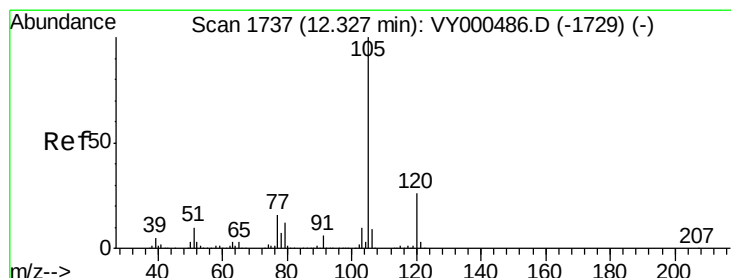
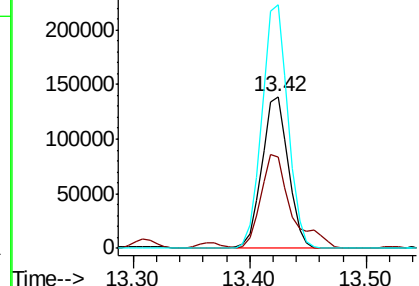
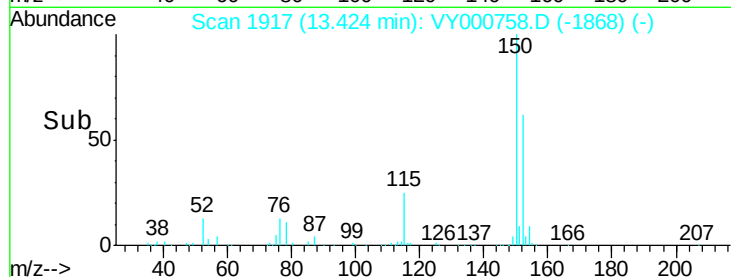
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.2	29.1	87.4
150	156.6	0.0	348.8



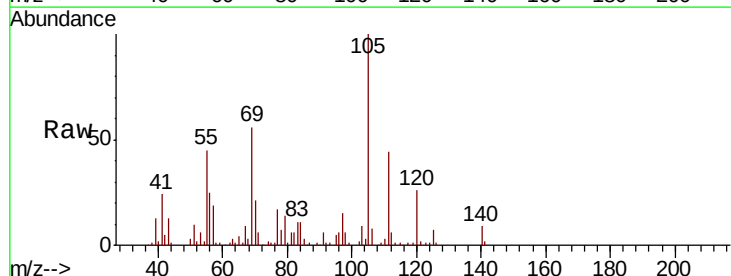
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



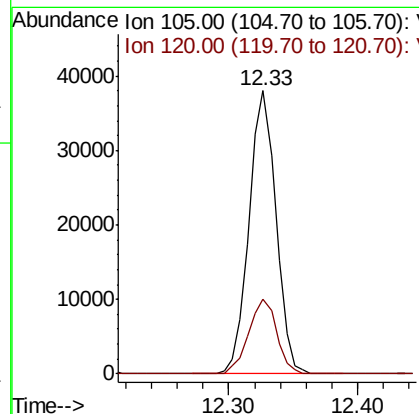
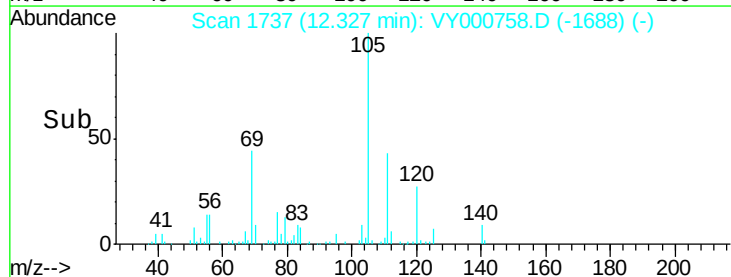
#73

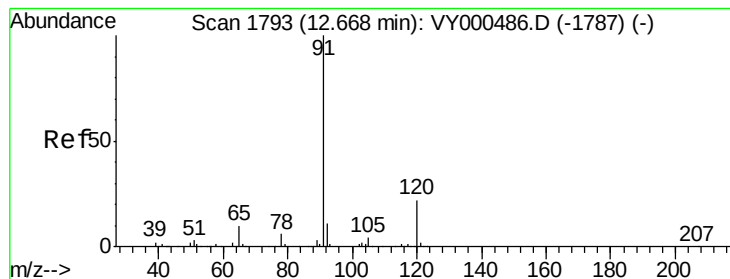
Isopropylbenzene
Concen: 3.353 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.5	40.4



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





#78

n-propylbenzene

Concen: 11.712 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000758.D

Acq: 20 Nov 2019 17:38

Instrument :

MSVOA_Y

ClientSampleId :

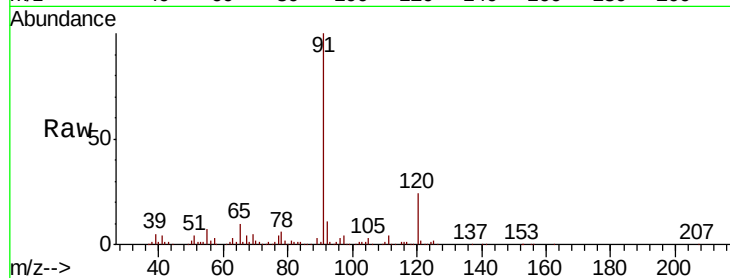
IRONBOUND-4FT

Tot Ion: 91 Resp: 229903

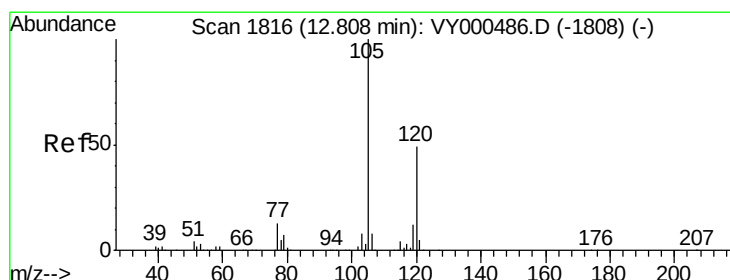
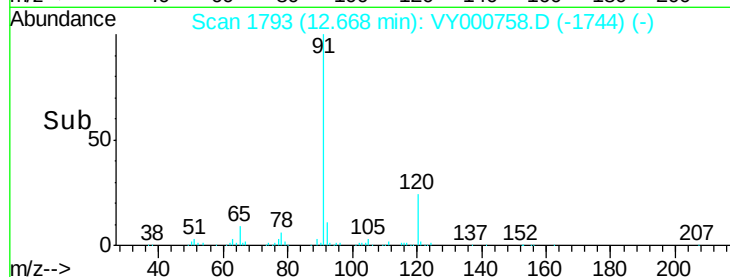
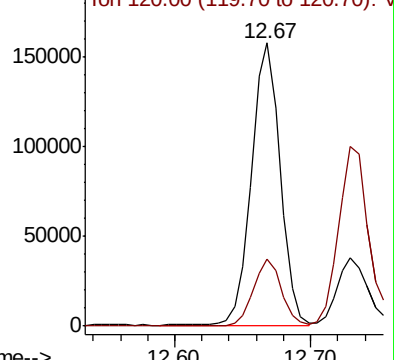
Ion Ratio Lower Upper

91 100

120 23.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY000758.D (-1744) (-)



#80

1,3,5-Trimethylbenzene

Concen: 35.385 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000758.D

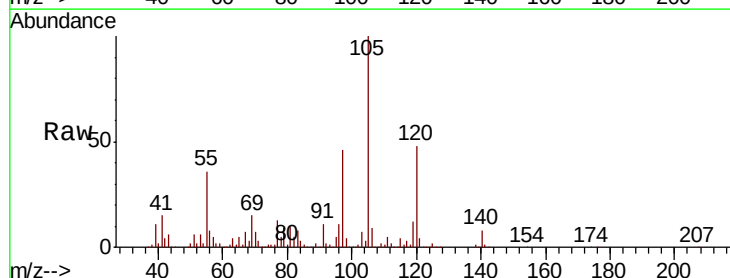
Acq: 20 Nov 2019 17:38

Tgt Ion: 105 Resp: 479440

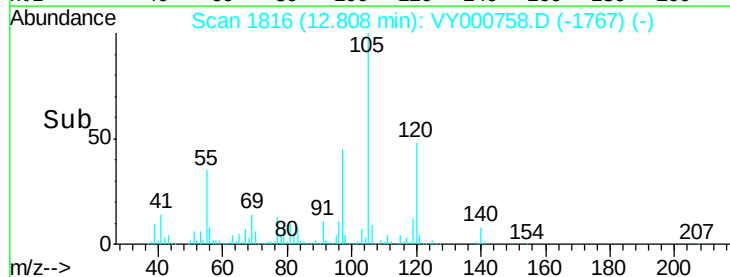
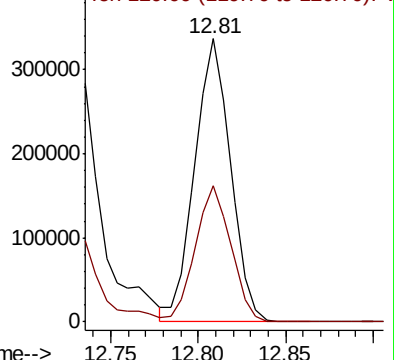
Ion Ratio Lower Upper

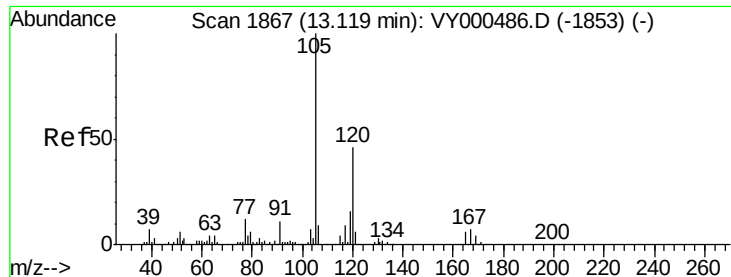
105 100

120 48.0 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000758.D (-1767) (-)

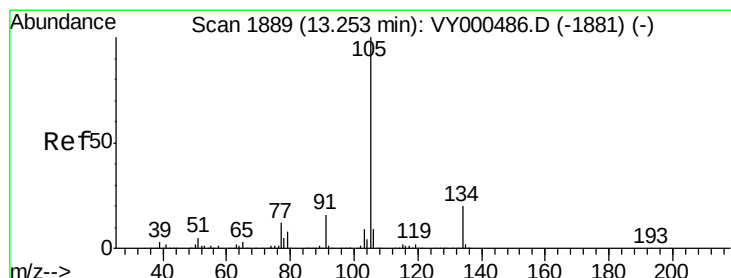
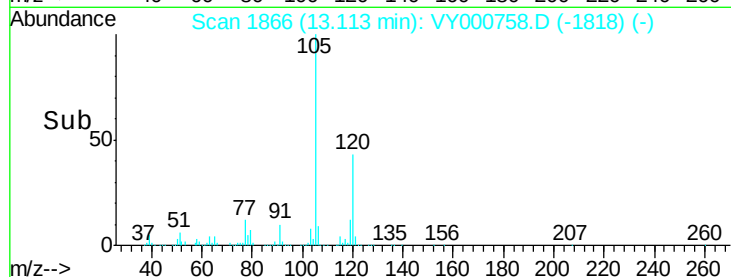
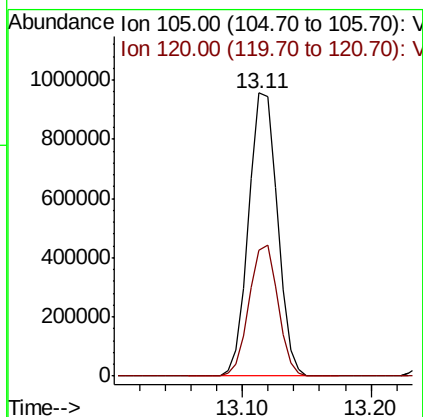
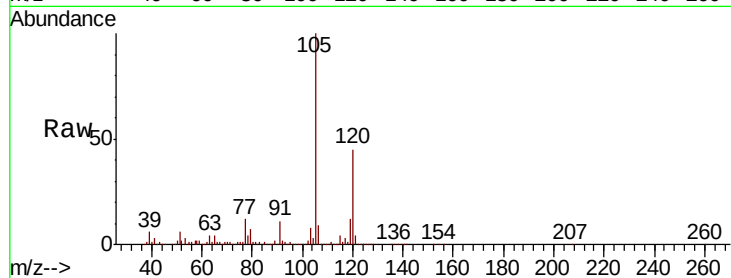




#84
 1,2,4-Trimethylbenzene
 Concen: 108.967 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000758.D
 Acq: 20 Nov 2019 17:38

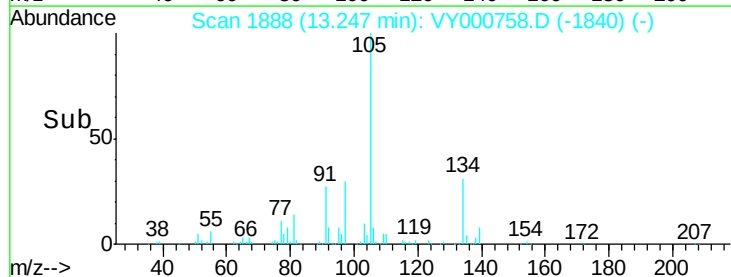
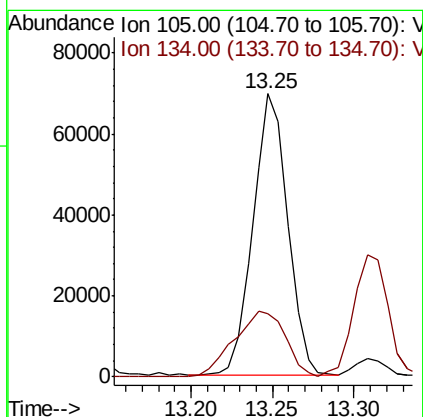
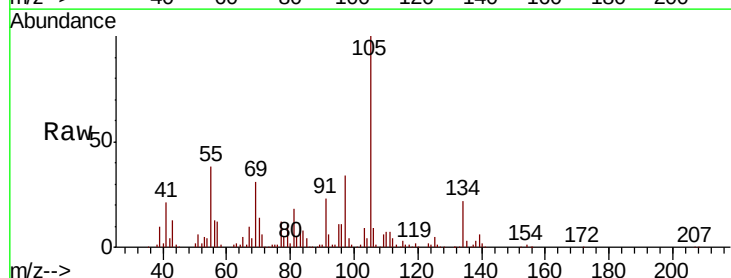
Instrument :
 MSVOA_Y
 ClientSampleId :
 IRONBOUND-4FT

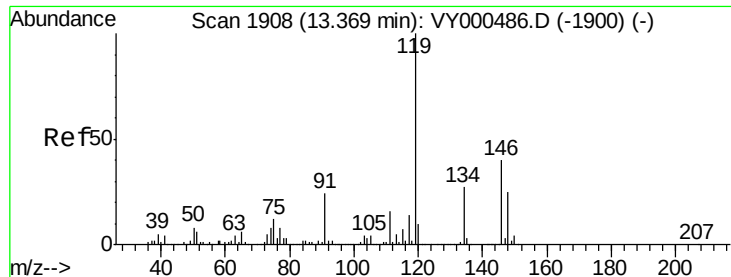
Tot Ion:105 Resp: 1470031
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 6.218 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000758.D
 Acq: 20 Nov 2019 17:38

Tgt Ion:105 Resp: 102494
 Ion Ratio Lower Upper
 105 100
 134 34.7 10.1 30.1#

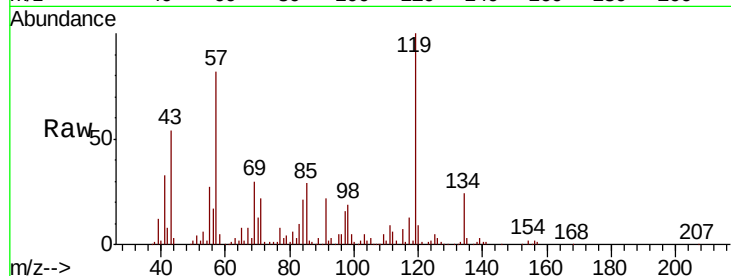




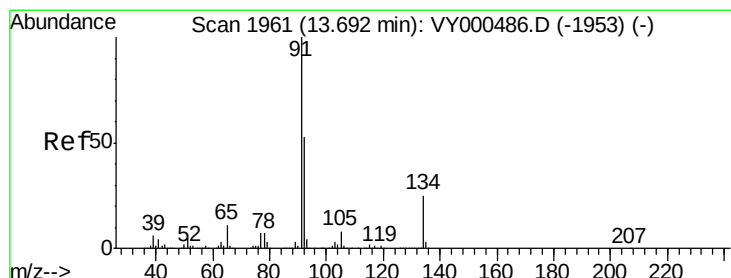
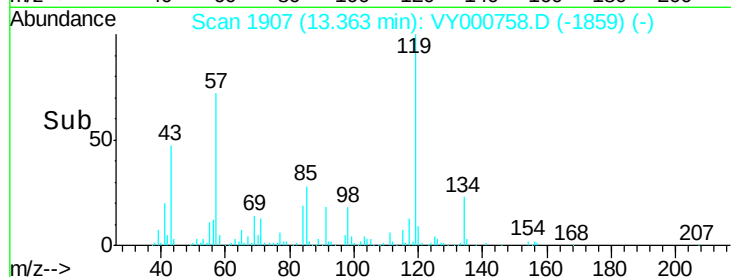
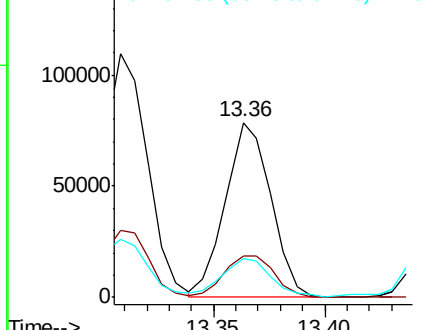
#86
p-Isopropyltoluene
Concen: 7.619 ug/l
RT: 13.36 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.6	40.8
91	22.5	12.0	36.1

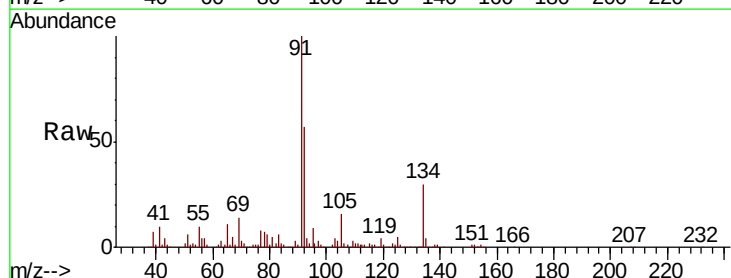


Abundance Ion 119.00 (118.70 to 119.70): VY000486.D (-1900) (-)

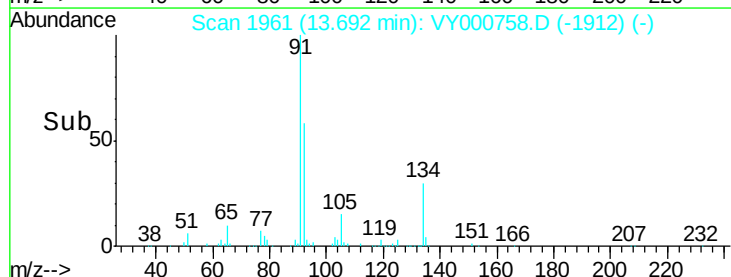
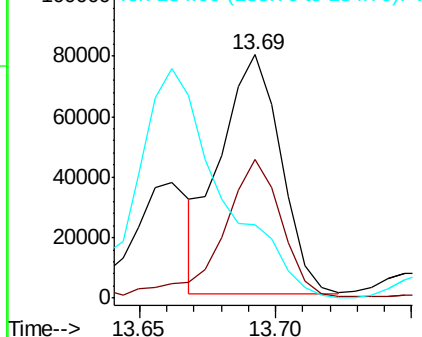


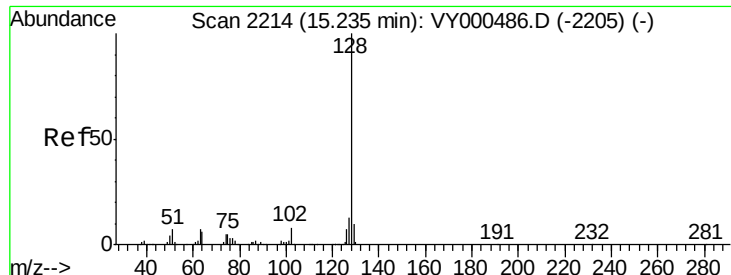
#89
n-Butylbenzene
Concen: 8.392 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	26.8	80.3
134	0.0	12.9	38.7



Abundance Ion 91.00 (90.70 to 91.70): VY000486.D (-1953) (-)

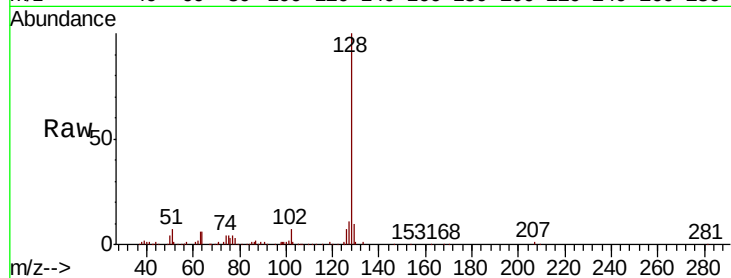




#95
Naphthalene
Concen: 10.036 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.01 min
Lab File: VY000758.D
Acq: 20 Nov 2019 17:38

Instrument :
MSVOA_Y
ClientSampleId :
IRONBOUND-4FT

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.8	14.6
129	11.4	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

