

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000767.D
 Acq On : 21 Nov 2019 14:58
 Operator : SY/MD
 Sample : K5957-03RE
 Misc : 4.18G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-2-(12-14)RE

Quant Time: Nov 22 04:25:47 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

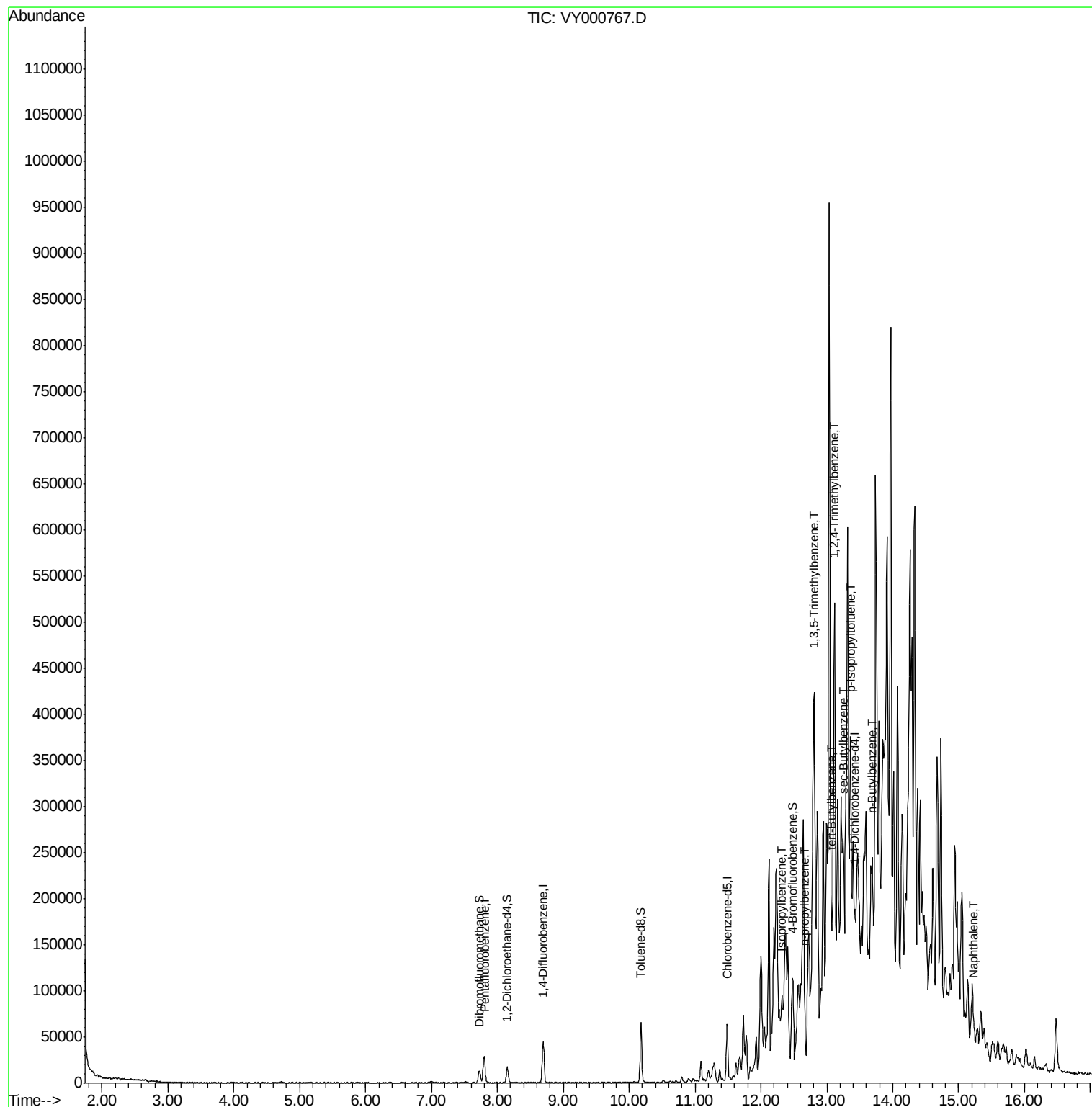
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	22117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	37958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	33568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	17412	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	13156	57.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.96%	
35) Dibromofluoromethane	7.72	113	9495	42.61	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.22%	
50) Toluene-d8	10.17	98	44304	52.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.47	95	18526	57.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.10%	
Target Compounds						
					Qvalue	
73) Isopropylbenzene	12.33	105	10095	7.845	ug/l	92
78) n-propylbenzene	12.67	91	21264	13.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	4061	3.789	ug/l	98
83) tert-Butylbenzene	13.07	119	8422	9.203	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	204804	191.921	ug/l	100
85) sec-Butylbenzene	13.25	105	35252	27.038	ug/l #	64
86) p-Isopropyltoluene	13.36	119	6156	5.298	ug/l	91
89) n-Butylbenzene	13.69	91	55408	48.345	ug/l #	79
95) Naphthalene	15.23	128	11060	14.109	ug/l #	87

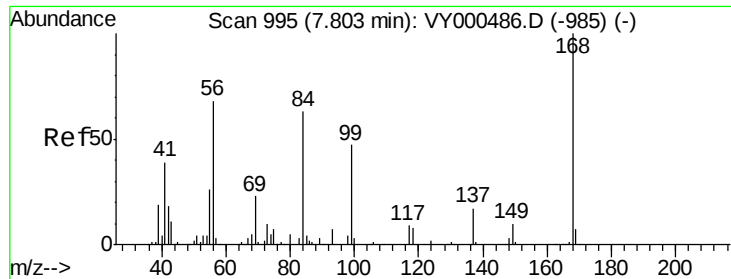
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
Data File : VY000767.D
Acq On : 21 Nov 2019 14:58
Operator : SY/MD
Sample : K5957-03RE
Misc : 4.18G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MW-2-(12-14)RE

Quant Time: Nov 22 04:25:47 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: VY000767.D

Acq: 21 Nov 2019 14:58

Instrument :

MSVOA_Y

ClientSampleId :

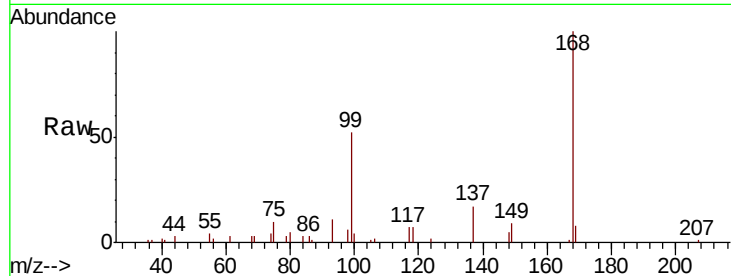
MW-2-(12-14)RE

Tot Ion:168 Resp: 22117

Ion Ratio Lower Upper

168 100

99 52.4 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

10000

8000

6000

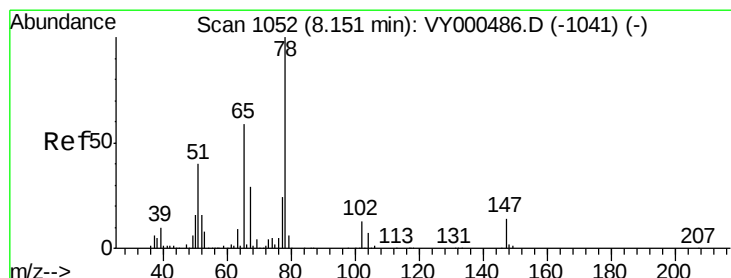
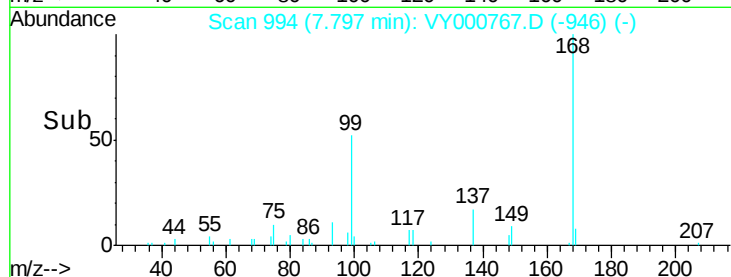
4000

2000

0

Time-->

7.70 7.75 7.80 7.85



#33

1,2-Dichloroethane-d4

Concen: 57.479 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY000767.D

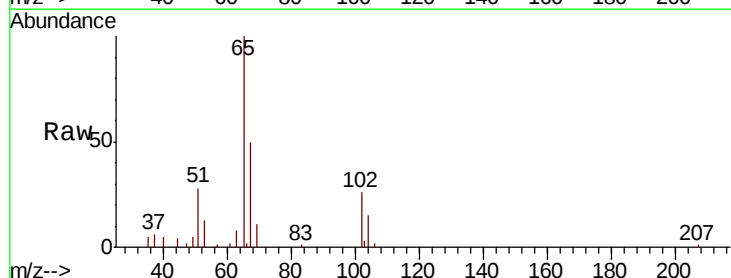
Acq: 21 Nov 2019 14:58

Tgt Ion: 65 Resp: 13156

Ion Ratio Lower Upper

65 100

67 55.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.14

6000

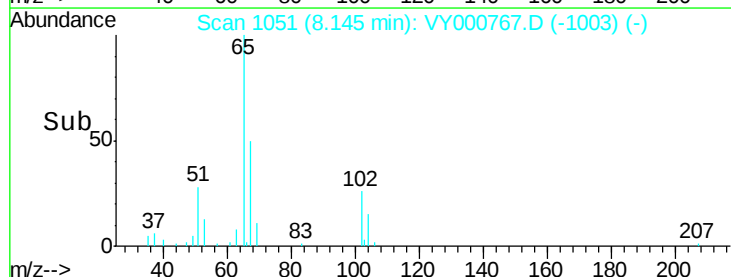
4000

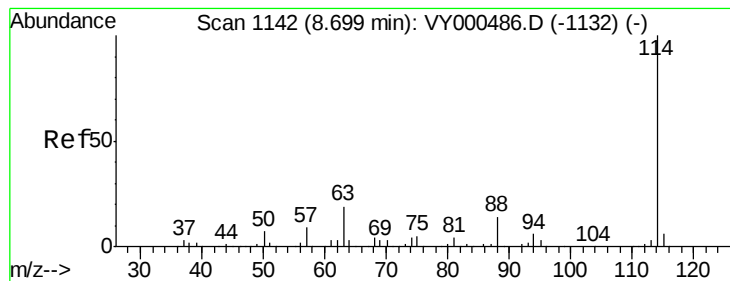
2000

0

Time-->

8.05 8.10 8.15 8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000767.D

Acq: 21 Nov 2019 14:58

Instrument :

MSVOA_Y

ClientSampleId :

MW-2-(12-14)RE

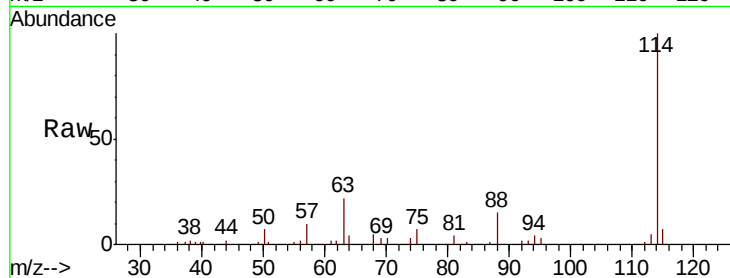
Tot Ion:114 Resp: 37958

Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.0

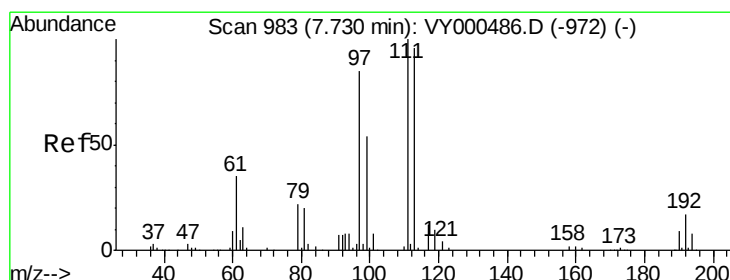
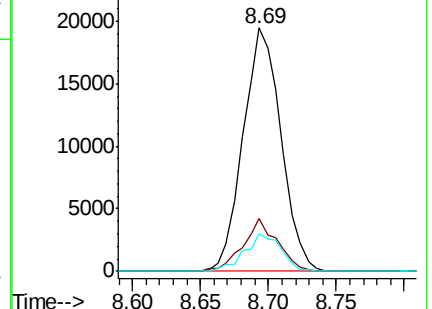
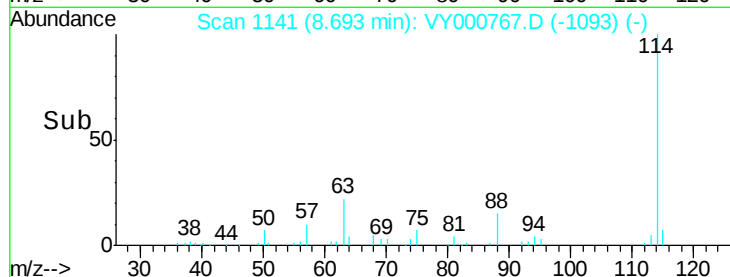
88 15.2 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 42.609 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY000767.D

Acq: 21 Nov 2019 14:58

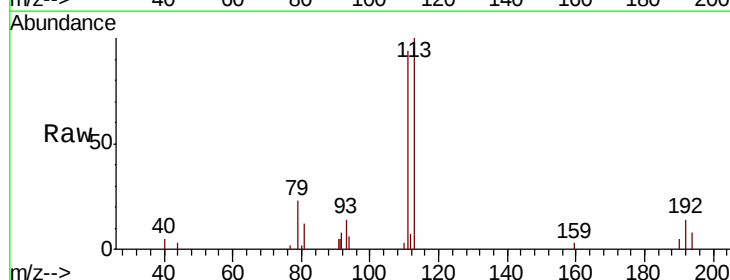
Tgt Ion:113 Resp: 9495

Ion Ratio Lower Upper

113 100

111 97.2 81.7 122.5

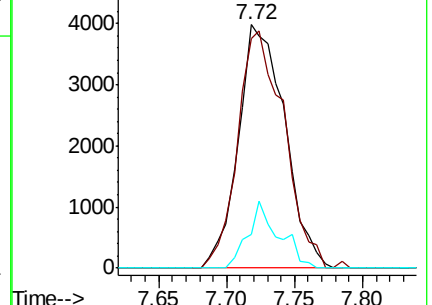
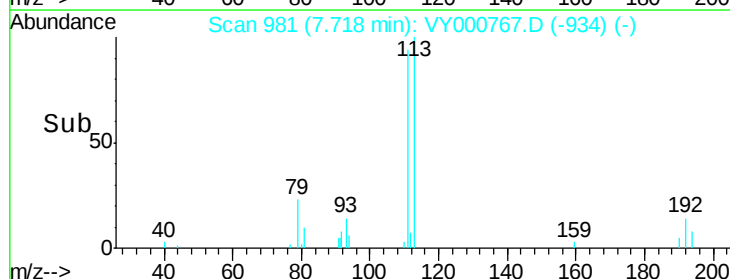
192 18.1 15.0 22.4

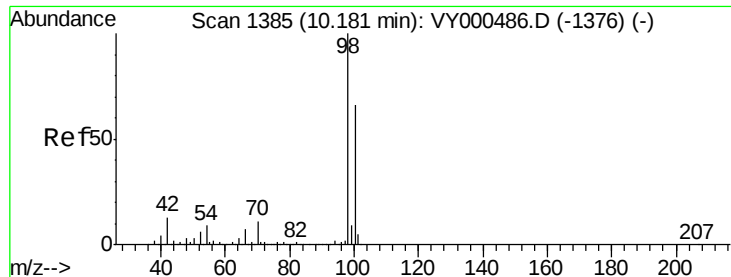


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.397 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000767.D

Acq: 21 Nov 2019 14:58

Instrument :

MSVOA_Y

ClientSampleId :

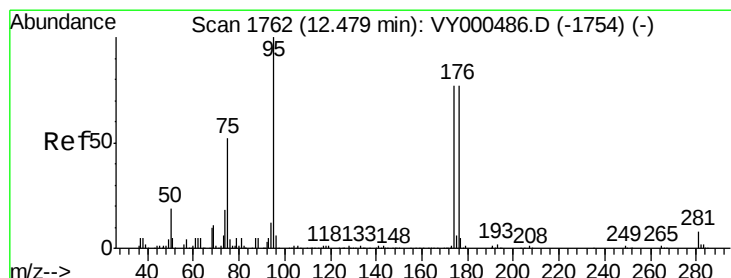
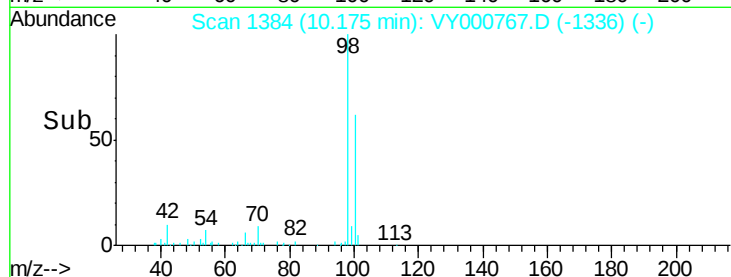
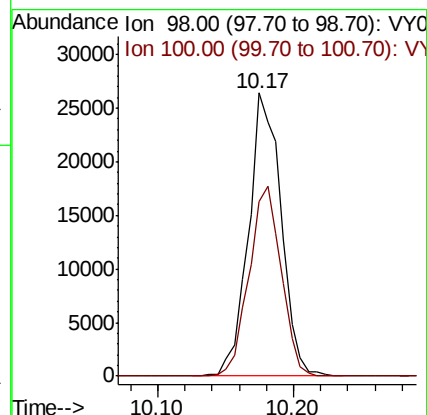
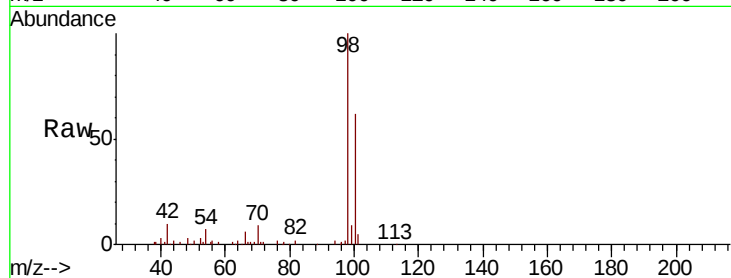
MW-2-(12-14)RE

Tot Ion: 98 Resp: 44304

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 57.553 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000767.D

Acq: 21 Nov 2019 14:58

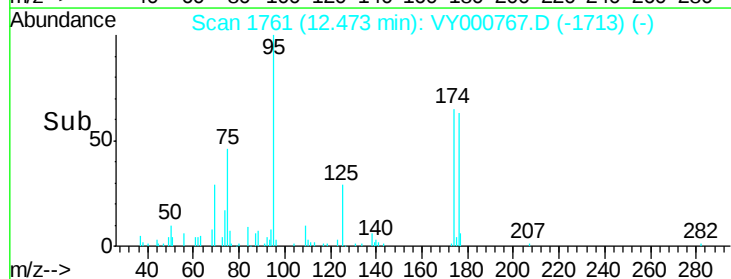
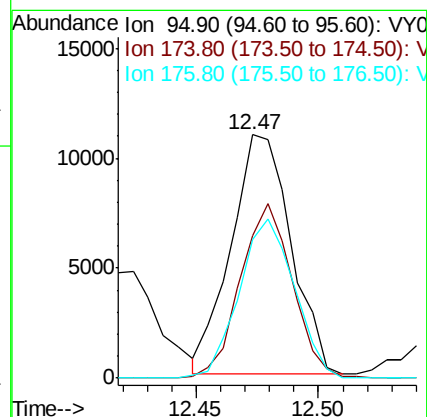
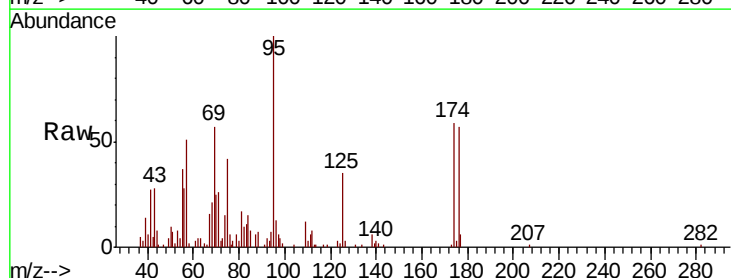
Tgt Ion: 95 Resp: 18526

Ion Ratio Lower Upper

95 100

174 63.2 0.0 161.6

176 61.1 0.0 157.8

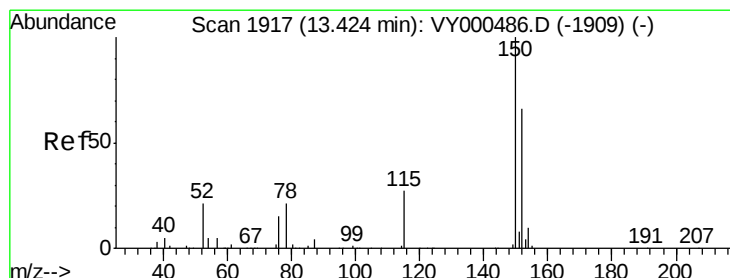
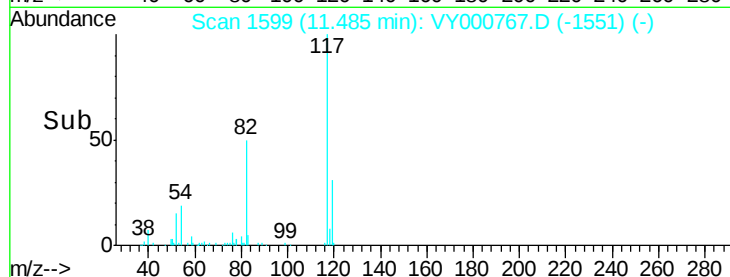
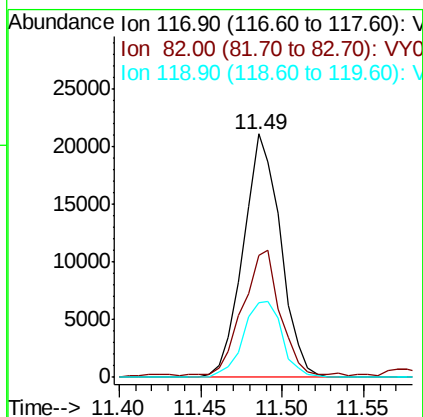
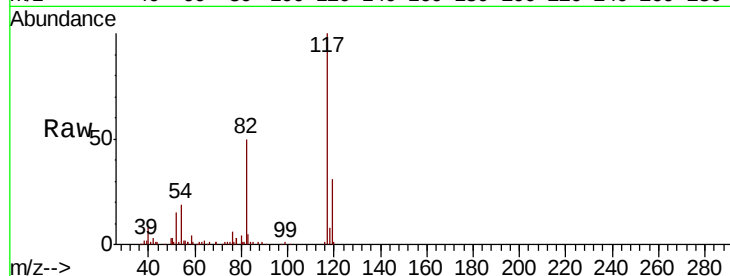




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000767.D
Acq: 21 Nov 2019 14:58

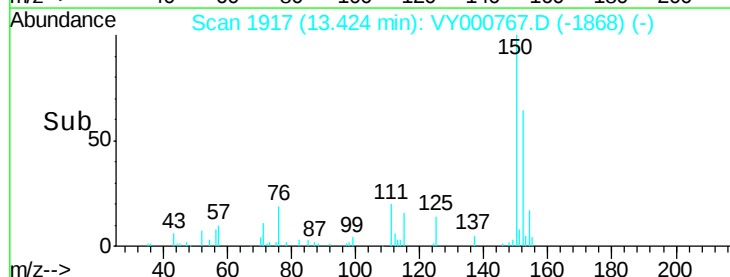
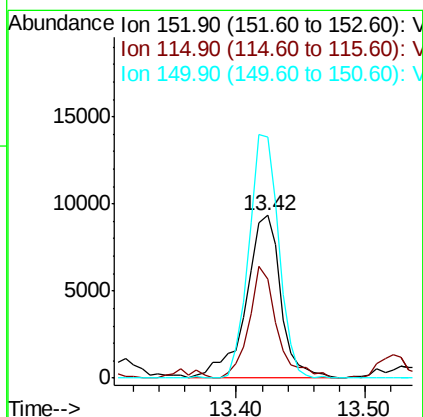
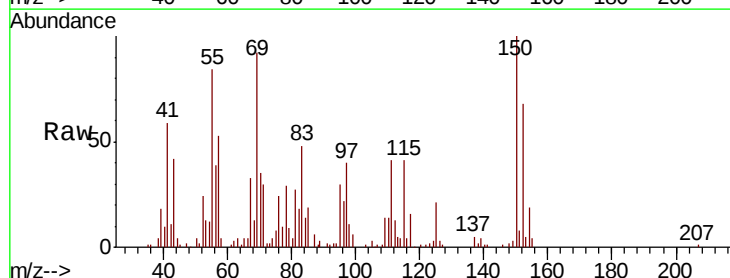
Instrument :
MSVOA_Y
ClientSampleId :
MW-2-(12-14)RE

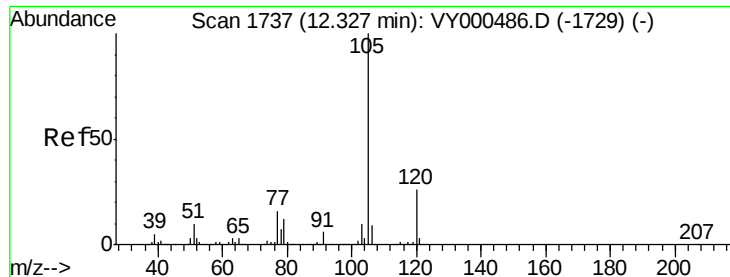
Tot Ion:117 Resp: 33568
Ion Ratio Lower Upper
117 100
82 49.1 40.8 61.2
119 30.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000767.D
Acq: 21 Nov 2019 14:58

Tgt Ion:152 Resp: 17412
Ion Ratio Lower Upper
152 100
115 54.7 29.1 87.4
150 127.2 0.0 348.8





#73

Isopropylbenzene

Concen: 7.845 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000767.D

Acq: 21 Nov 2019 14:58

Instrument :

MSVOA_Y

ClientSampleId :

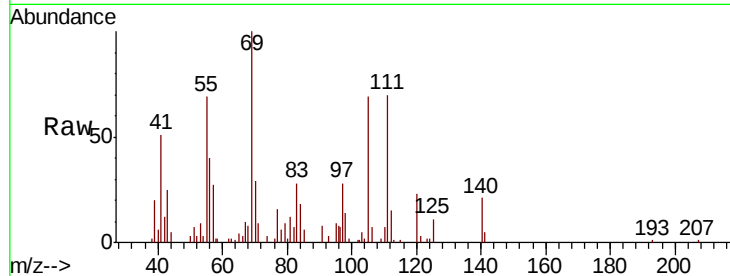
MW-2-(12-14)RE

Tot Ion:105 Resp: 10095

Ion Ratio Lower Upper

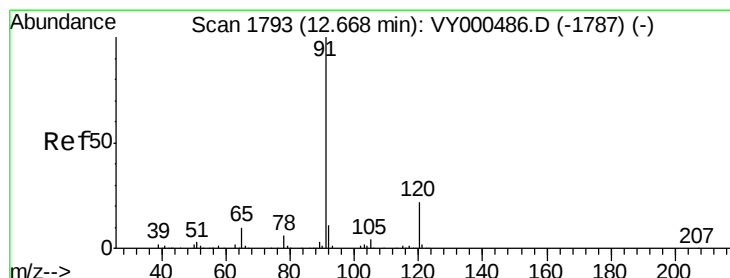
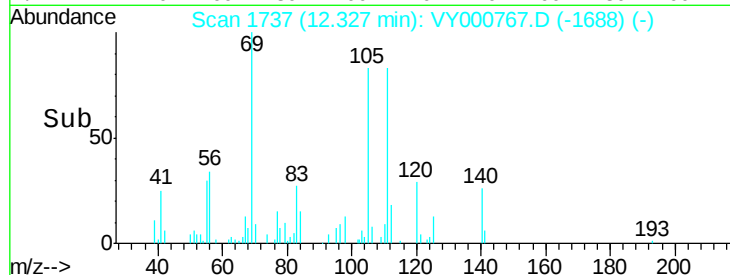
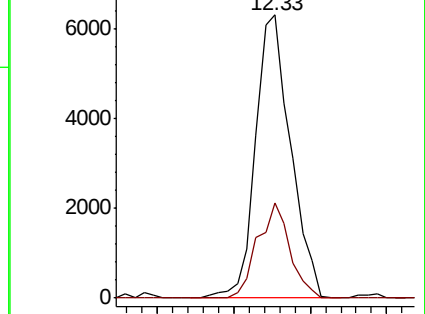
105 100

120 30.9 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: 13.695 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000767.D

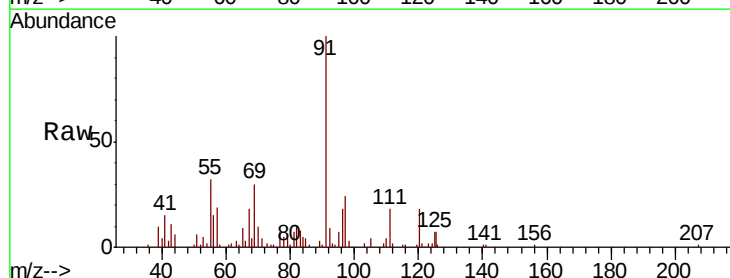
Acq: 21 Nov 2019 14:58

Tgt Ion: 91 Resp: 21264

Ion Ratio Lower Upper

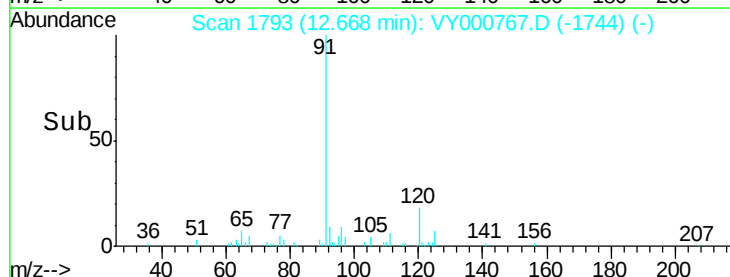
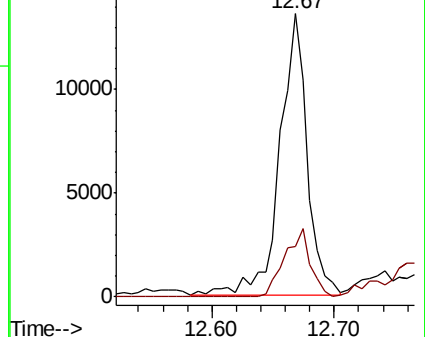
91 100

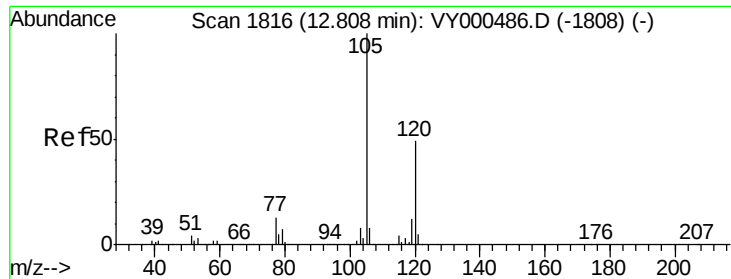
120 22.7 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

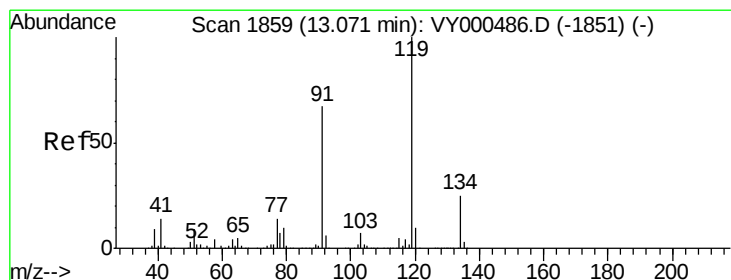
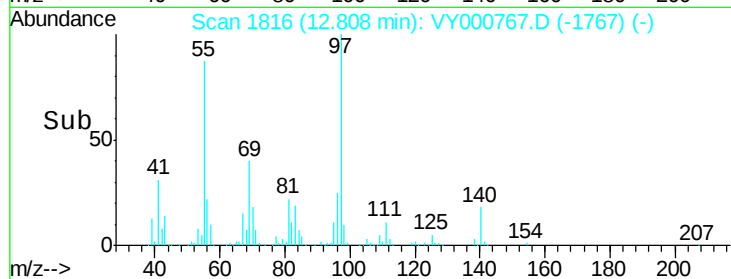
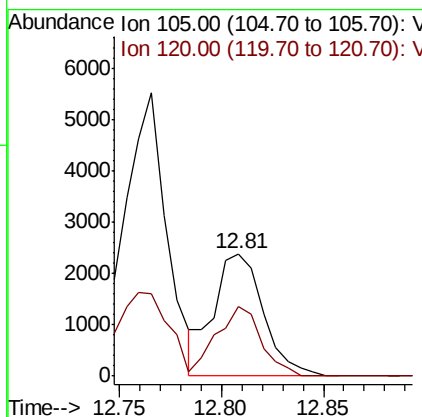
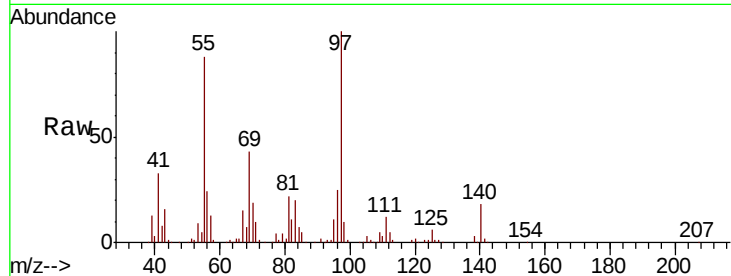




#80
 1,3,5-Trimethylbenzene
 Concen: 3.789 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

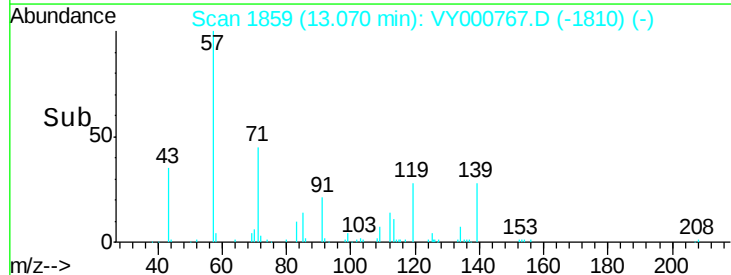
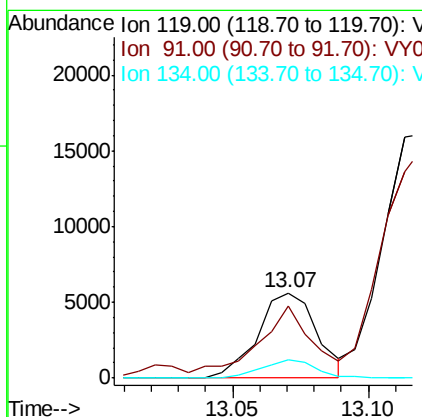
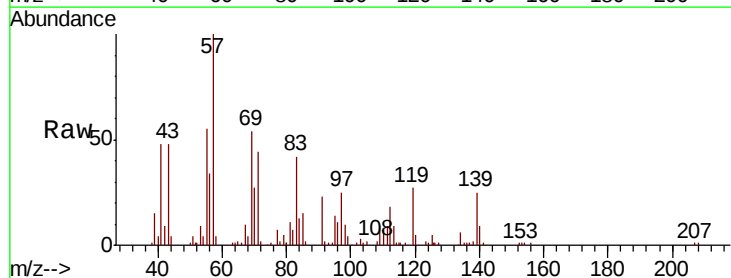
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-2-(12-14)RE

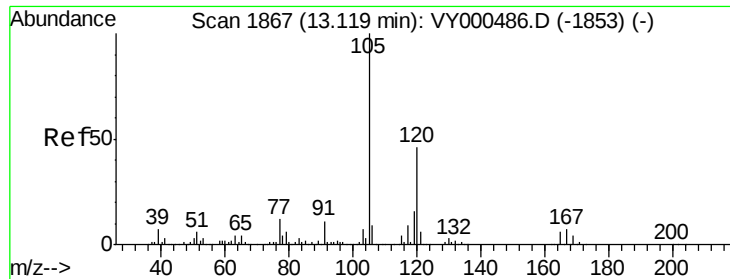
Tot Ion:105 Resp: 4061
 Ion Ratio Lower Upper
 105 100
 120 51.2 24.9 74.8



#83
 tert-Butylbenzene
 Concen: 9.203 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

Tgt Ion:119 Resp: 8422
 Ion Ratio Lower Upper
 119 100
 91 66.6 32.1 96.3
 134 19.8 13.2 39.5

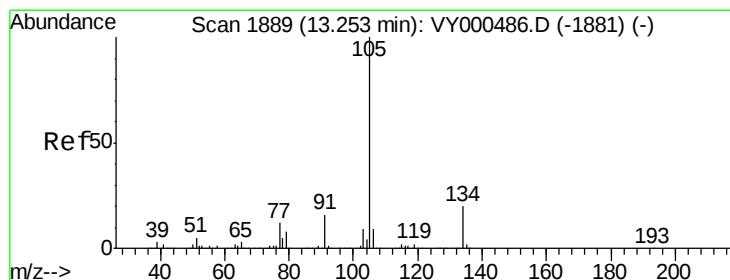
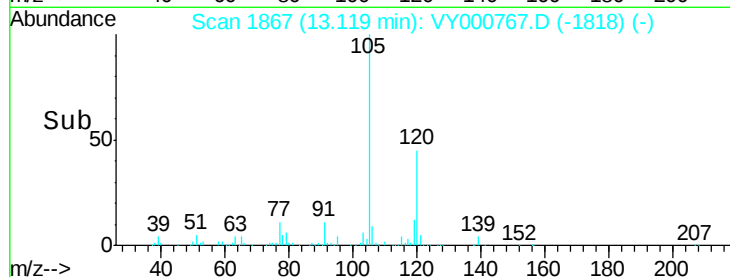
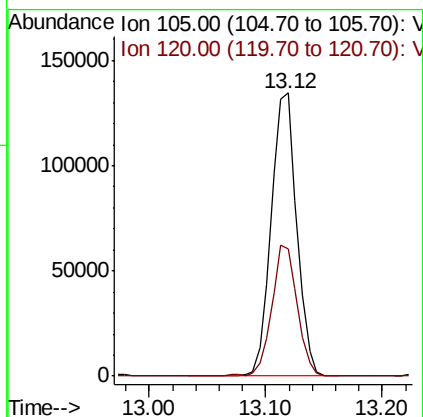
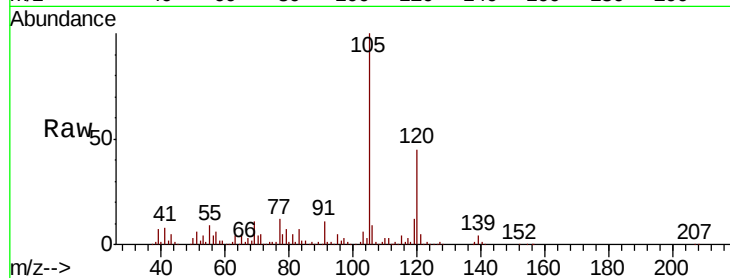




#84
 1,2,4-Trimethylbenzene
 Concen: 191.921 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

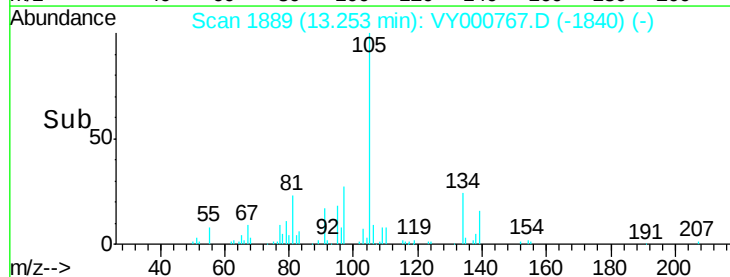
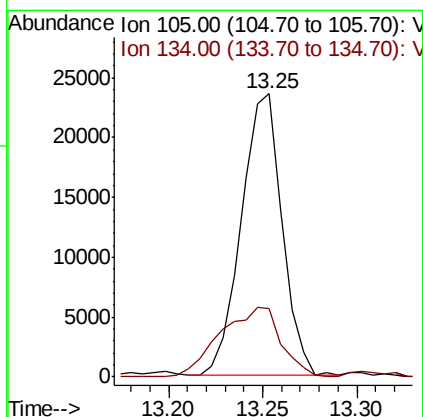
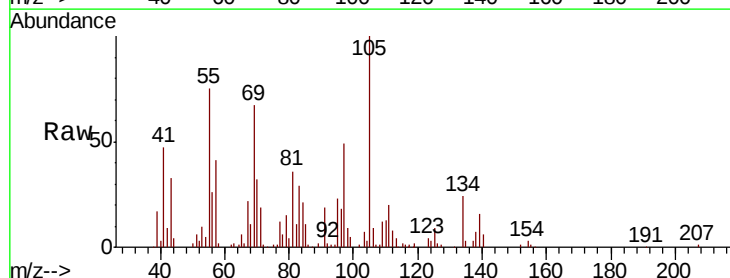
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-2-(12-14)RE

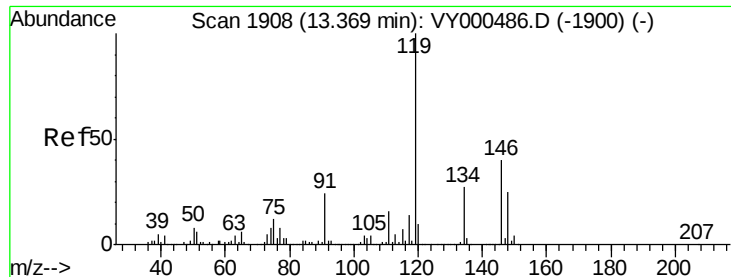
Tot Ion:105 Resp: 204804
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 27.038 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

Tgt Ion:105 Resp: 35252
 Ion Ratio Lower Upper
 105 100
 134 36.9 10.1 30.1#

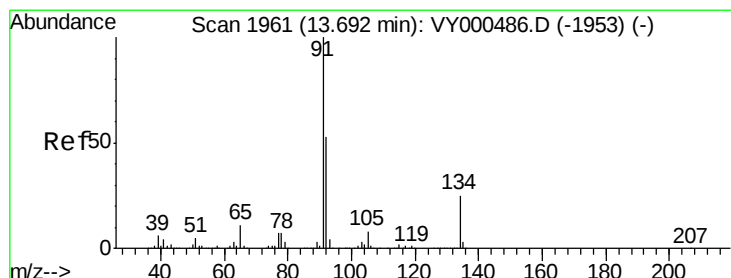
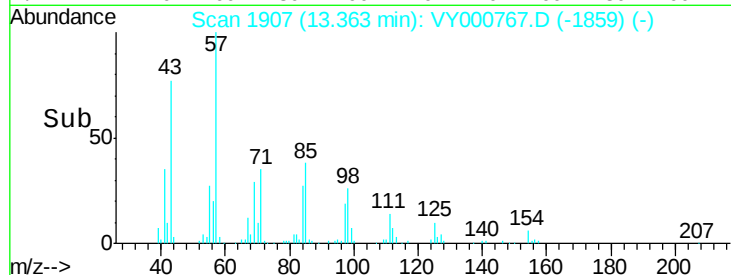
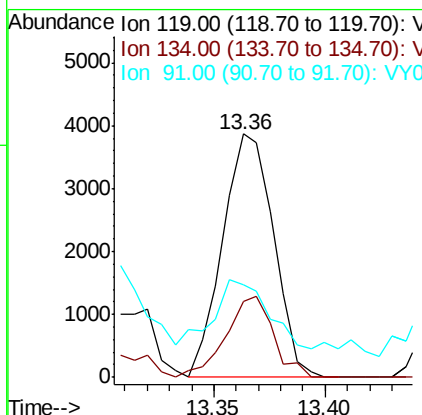
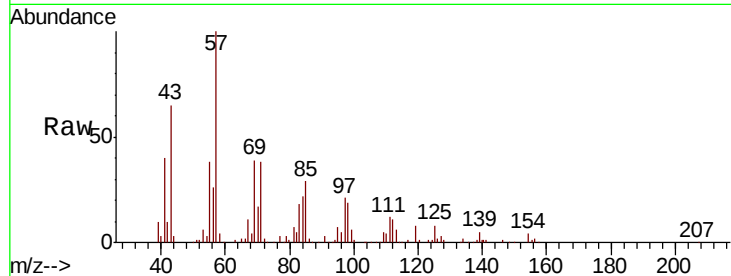




#86
 p-Isopropyltoluene
 Concen: 5.298 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

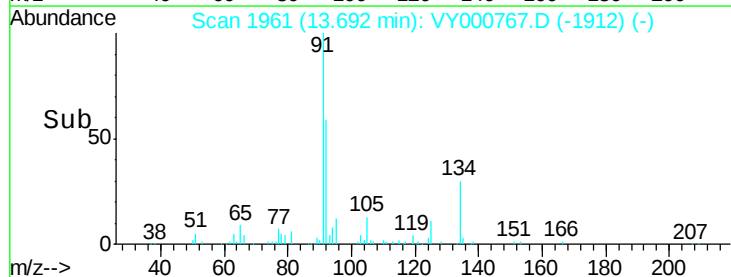
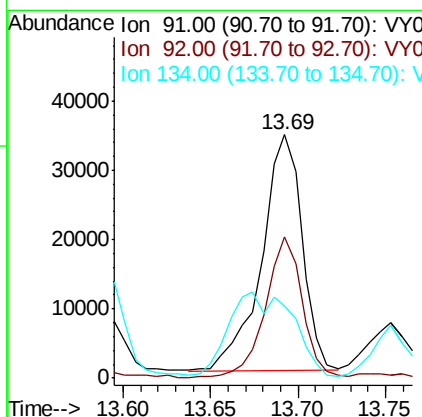
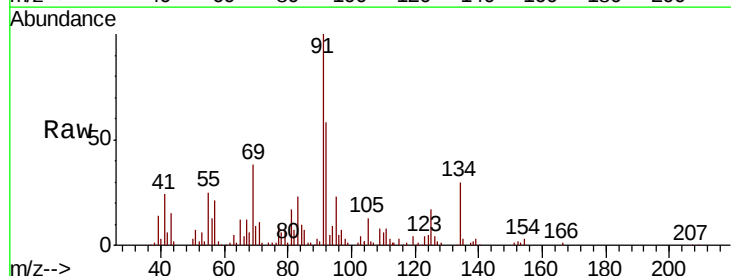
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-2-(12-14)RE

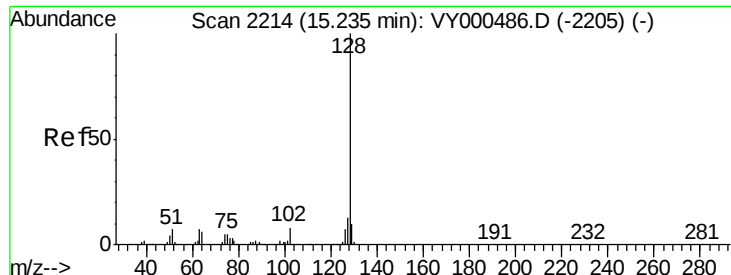
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.8	13.6	40.8
91	29.3	12.0	36.1



#89
 n-Butylbenzene
 Concen: 48.345 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VY000767.D
 Acq: 21 Nov 2019 14:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.3
134	58.0	12.9	38.7#





#95
Naphthalene
Concen: 14.109 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000767.D
Acq: 21 Nov 2019 14:58

Instrument :
MSVOA_Y
ClientSampleId :
MW-2-(12-14)RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.9	9.8	14.6#
129	10.1	8.7	13.1

