

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\
 Data File : VY003198.D
 Acq On : 14 Jul 2020 16:08
 Operator : SY/MD
 Sample : L3300-06
 Misc : 7.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-D2

Quant Time: Jul 15 05:56:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

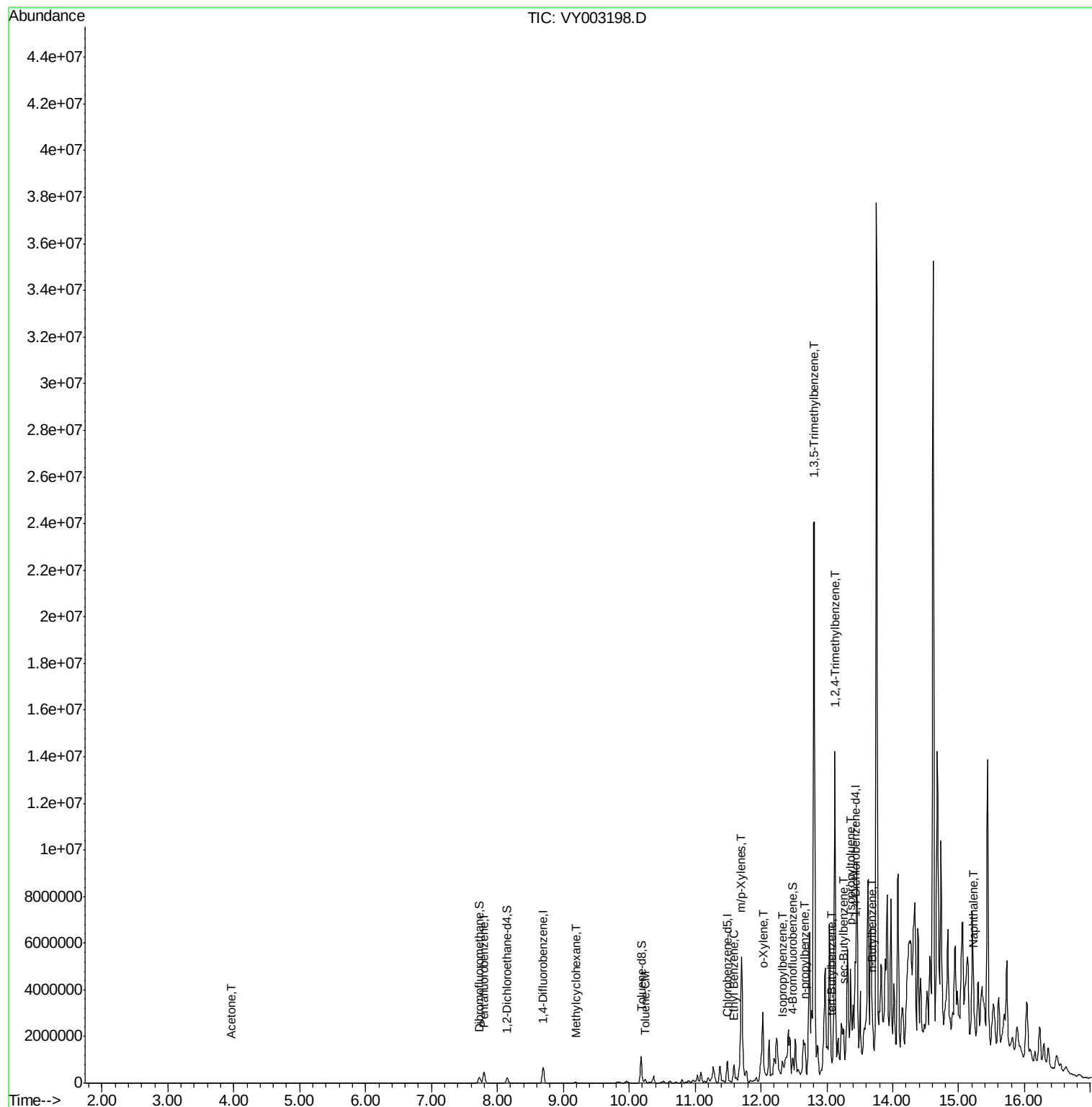
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	374677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	572271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	495762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	223060	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	185734	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	
35) Dibromofluoromethane	7.73	113	175241	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
50) Toluene-d8	10.18	98	691881	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
62) 4-Bromofluorobenzene	12.48	95	222812	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
Target Compounds						
					Qvalue	
16) Acetone	3.96	43	12611	17.853	ug/l	98
39) Methylcyclohexane	9.19	83	18959	2.910	ug/l	95
52) Toluene	10.24	92	63067	6.909	ug/l	99
67) Ethyl Benzene	11.59	91	470551	27.594	ug/l	97
68) m/p-Xylenes	11.70	106	840818	129.952	ug/l	99
69) o-Xylene	12.03	106	690975	114.313	ug/l	98
73) Isopropylbenzene	12.33	105	304823	21.444	ug/l	98
78) n-propylbenzene	12.67	91	947091	56.523	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	2168292	183.017	ug/l	100
83) tert-Butylbenzene	13.08	119	20968m	2.006	ug/l	
84) 1,2,4-Trimethylbenzene	13.12	105	6470849	542.834	ug/l	97
85) sec-Butylbenzene	13.25	105	581674	40.484	ug/l	85
86) p-Isopropyltoluene	13.37	119	562110	41.900	ug/l	99
89) n-Butylbenzene	13.70	91	634980	50.319	ug/l #	71
95) Naphthalene	15.23	128	223192	31.570	ug/l #	68

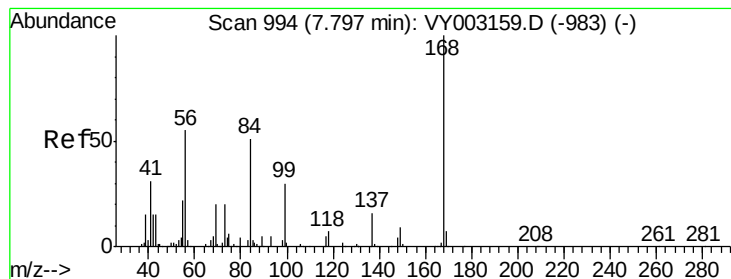
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

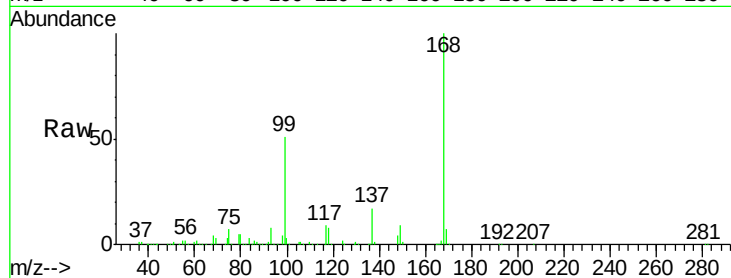
TP-8A-D2

Tot Ion:168 Resp: 374677

Ion Ratio Lower Upper

168 100

99 51.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003198.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003198.D (-945) (-)

7.80

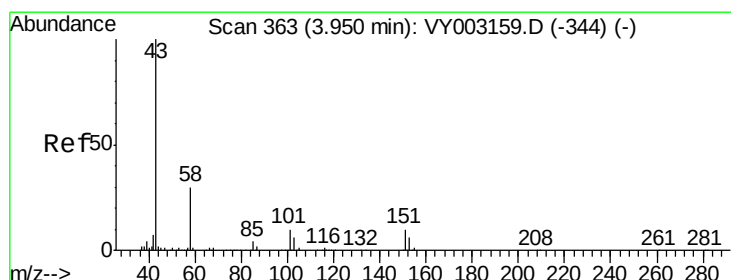
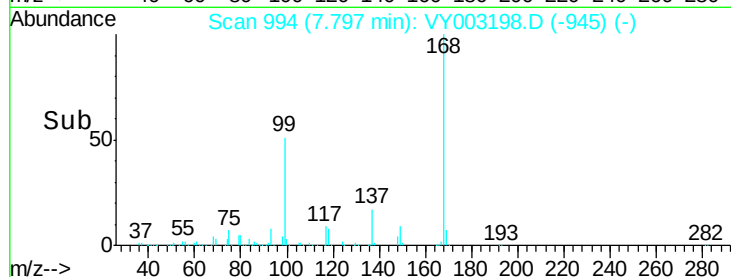
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 17.853 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003198.D

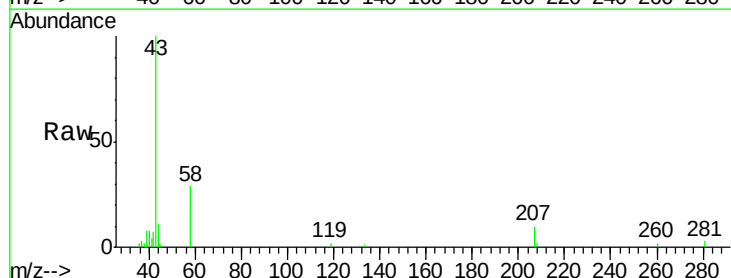
Acq: 14 Jul 2020 16:08

Tgt Ion: 43 Resp: 12611

Ion Ratio Lower Upper

43 100

58 28.7 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003198.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003198.D (-314) (-)

3.96

5000

4000

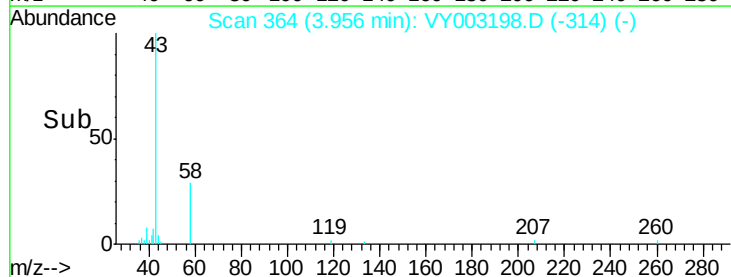
3000

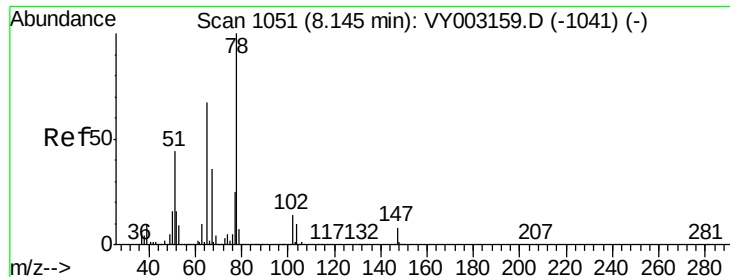
2000

1000

0

Time-->

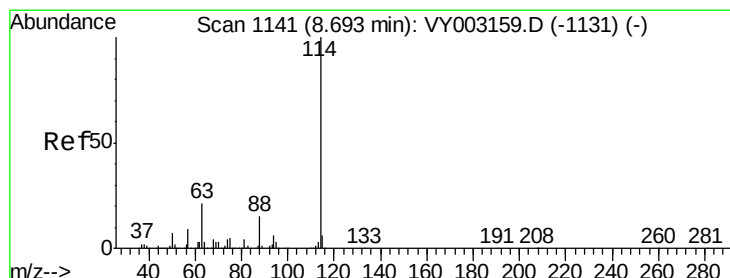
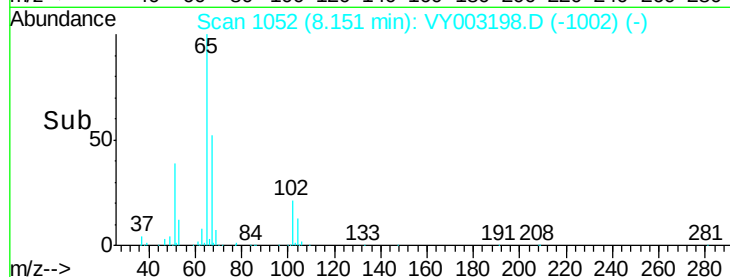
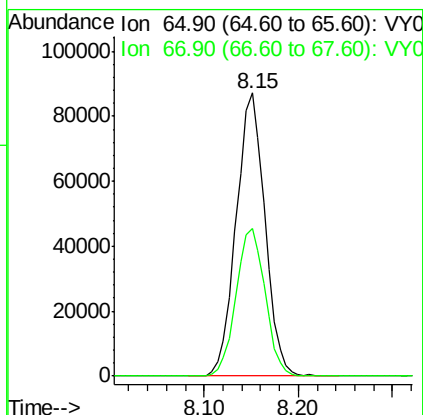
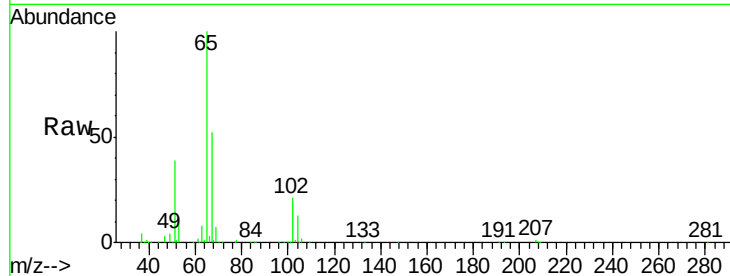




#33
 1,2-Dichloroethane-d4
 Concen: 58.732 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

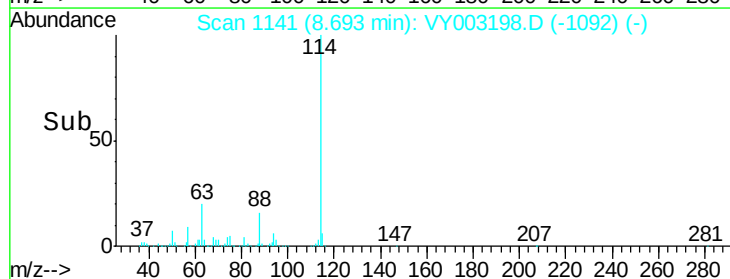
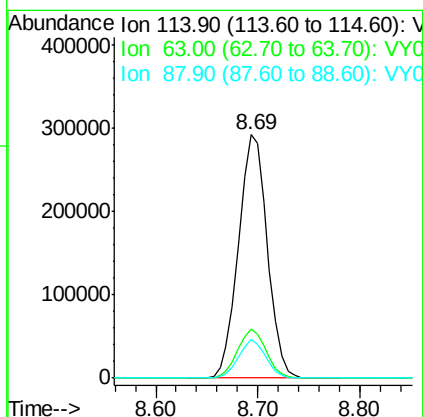
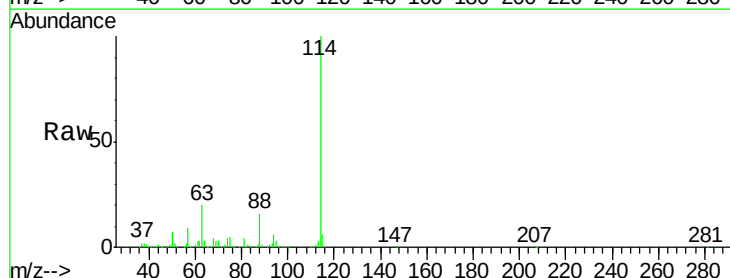
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-D2

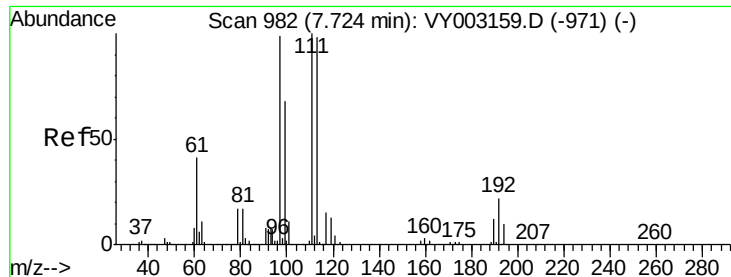
Tot Ion: 65 Resp: 185734
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

Tgt Ion: 114 Resp: 572271
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.2
 88 15.7 0.0 30.2

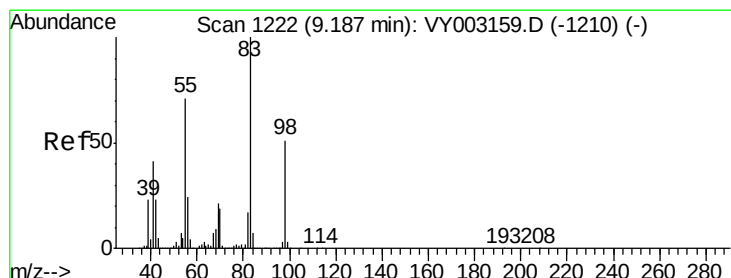
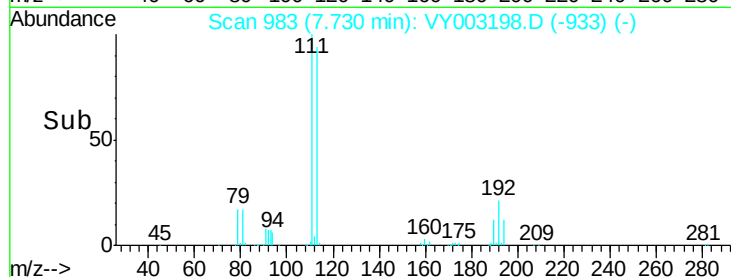
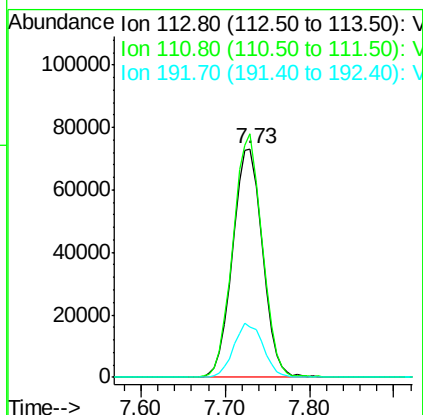
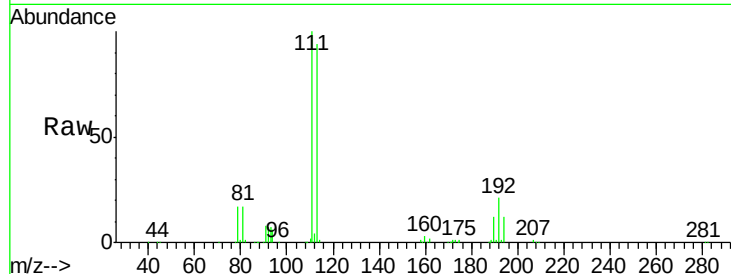




#35
 Dibromofluoromethane
 Concen: 53.212 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

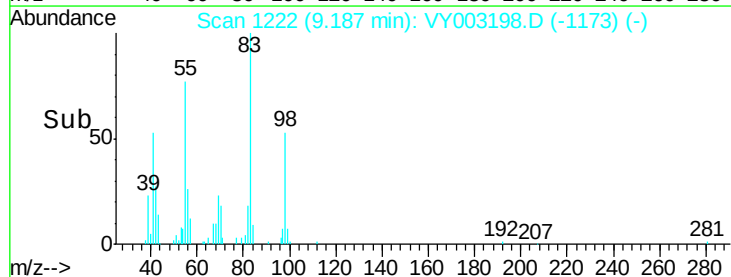
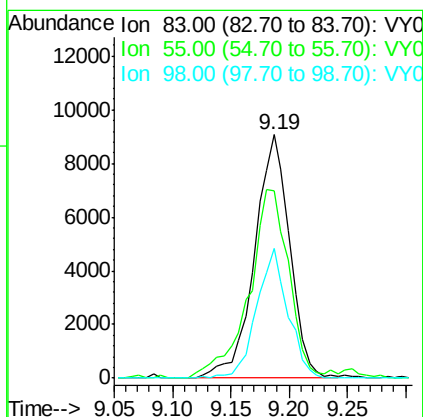
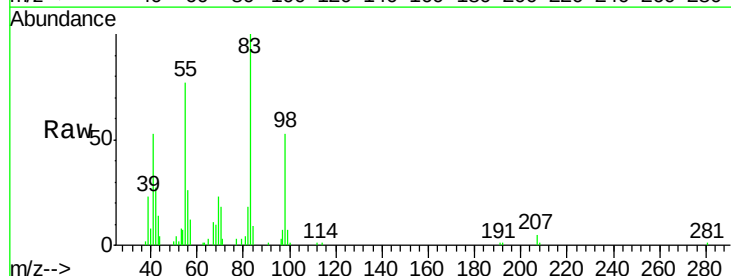
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-8A-D2

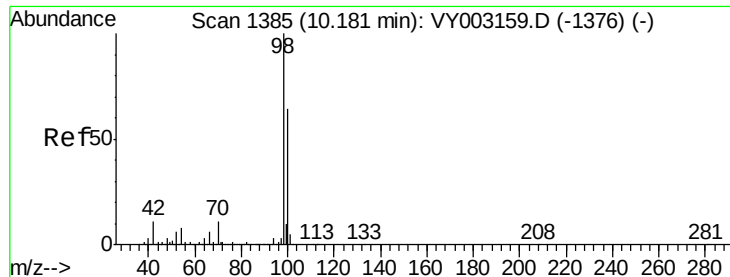
Tot Ion:113 Resp: 175241
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.1 123.1
 192 23.3 18.8 28.2



#39
 Methylcyclohexane
 Concen: 2.910 ug/l
 RT: 9.19 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

Tgt Ion: 83 Resp: 18959
 Ion Ratio Lower Upper
 83 100
 55 77.0 57.2 85.8
 98 53.4 41.0 61.6





#50

Toluene-d8

Concen: 56.508 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

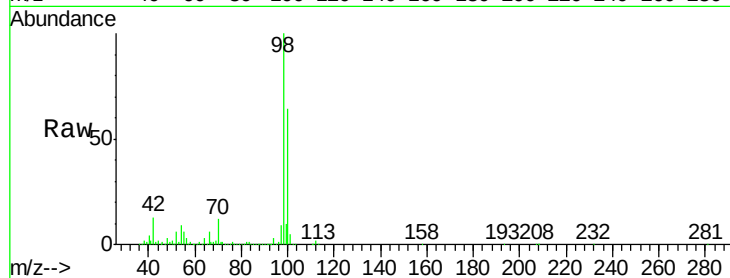
TP-8A-D2

Tot Ion: 98 Resp: 691881

Ion Ratio Lower Upper

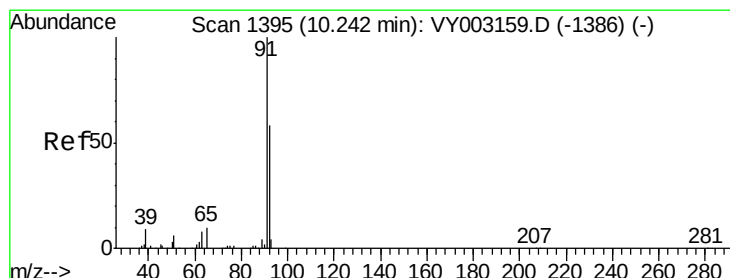
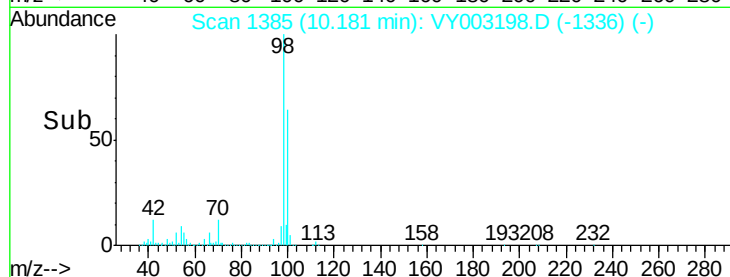
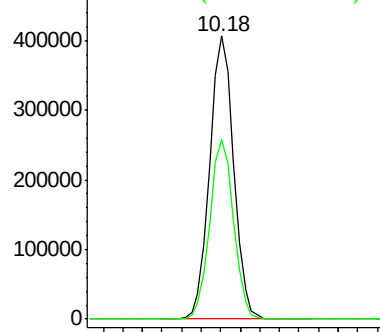
98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#52

Toluene

Concen: 6.909 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY003198.D

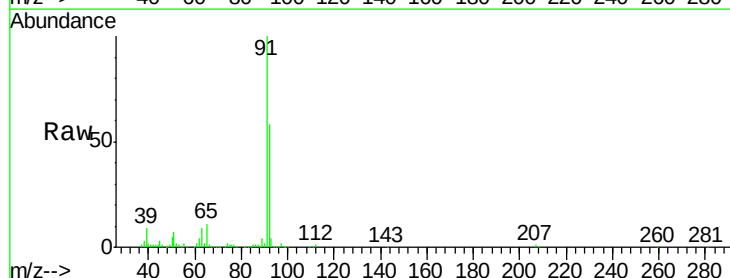
Acq: 14 Jul 2020 16:08

Tgt Ion: 92 Resp: 63067

Ion Ratio Lower Upper

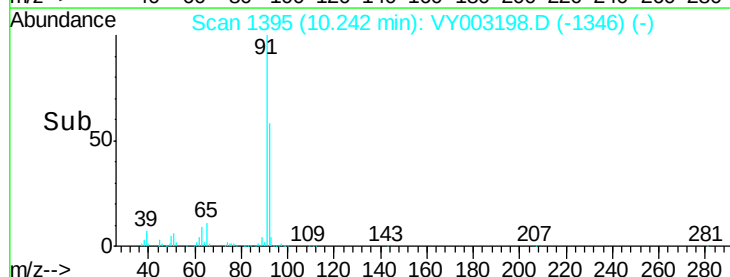
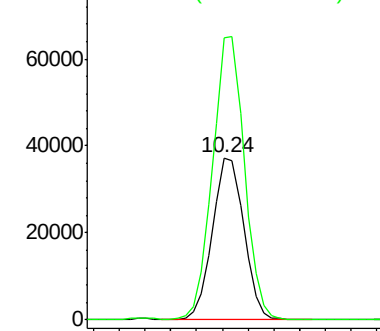
92 100

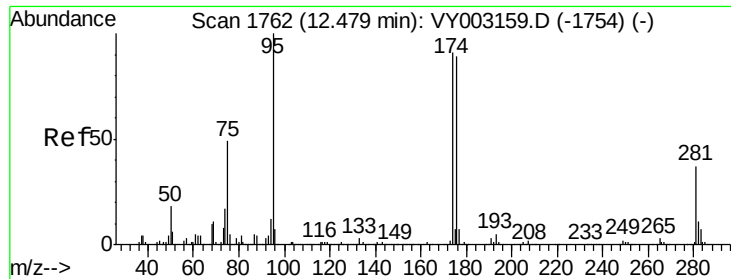
91 176.6 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

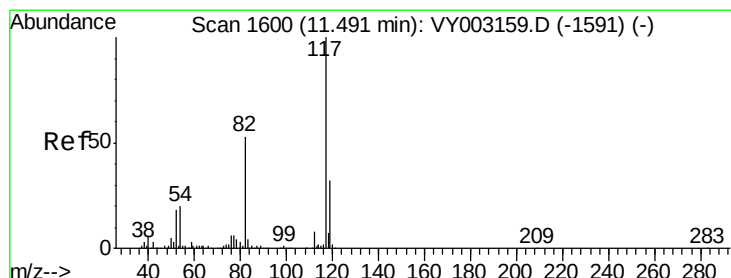
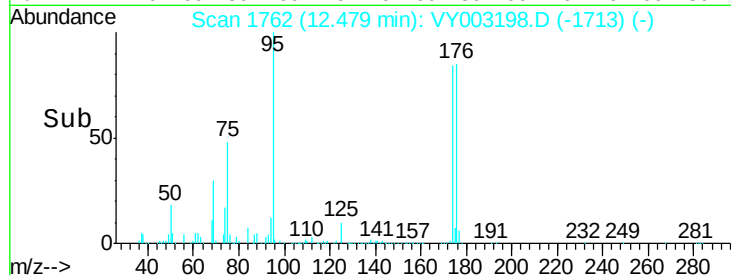
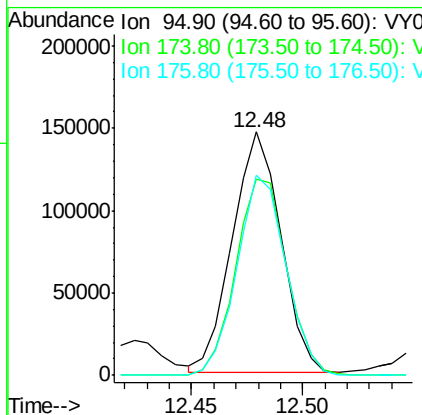
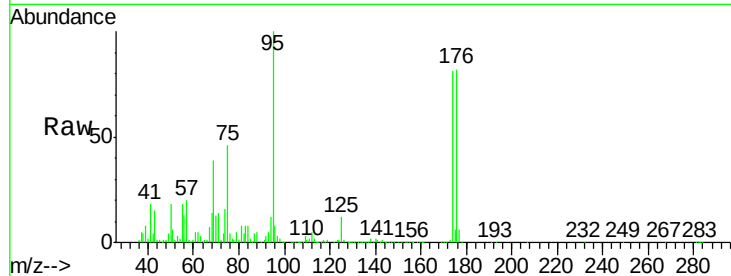




#62
4-Bromofluorobenzene
Concen: 50.373 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

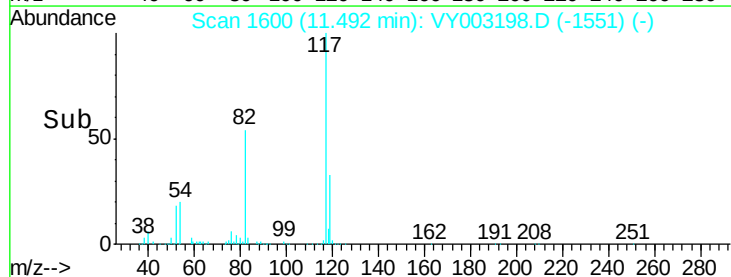
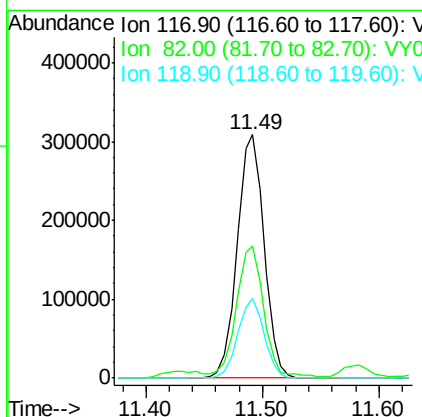
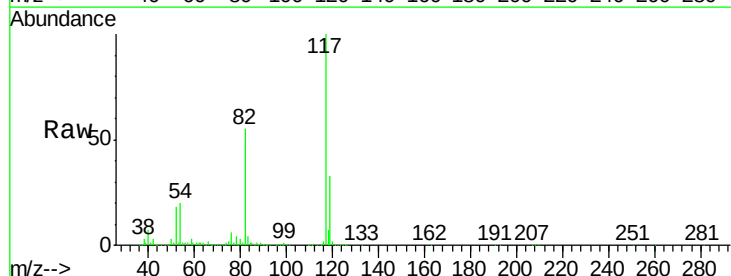
Instrument :
MSVOA_Y
ClientSampleId :
TP-8A-D2

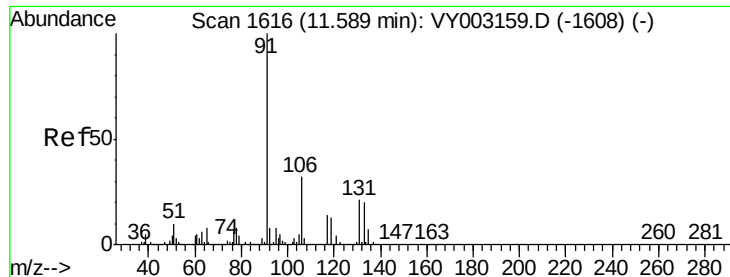
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	190.6
176	83.5	0.0	186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.0	63.0
119	32.9	25.5	38.3





#67

Ethyl Benzene

Concen: 27.594 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

Instrument :

MSVOA_Y

ClientSampled :

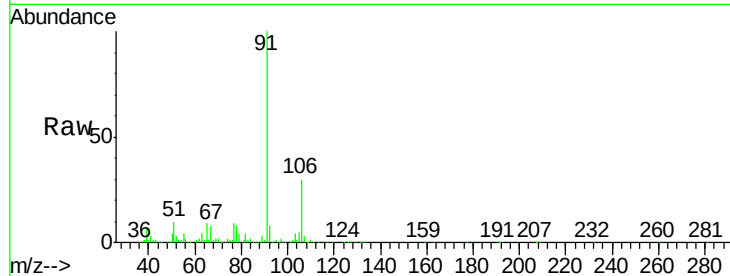
TP-8A-D2

Tot Ion: 91 Resp: 470551

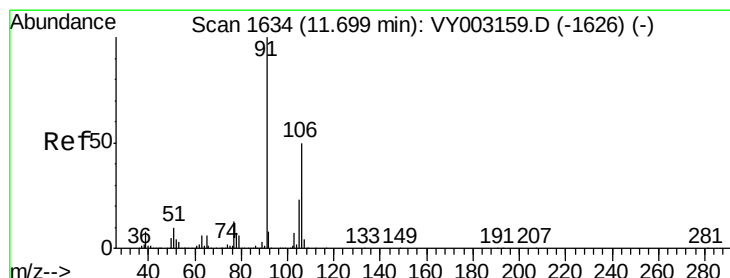
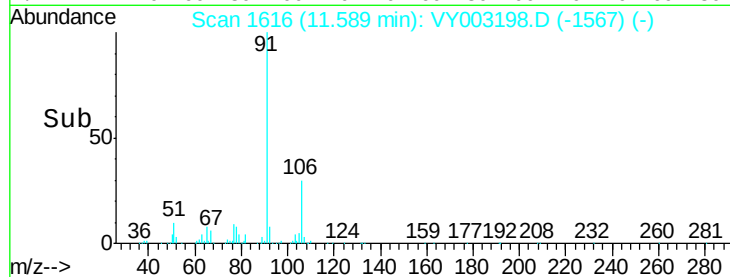
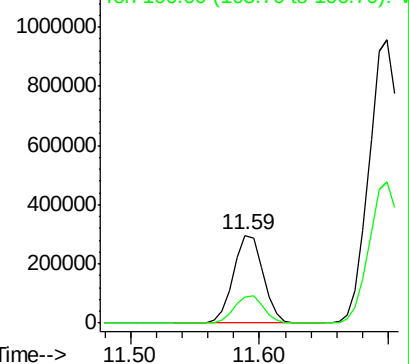
Ion Ratio Lower Upper

91 100

106 30.0 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VY003159.D (-1608) (-)



#68

m/p-Xylenes

Concen: 129.952 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003198.D

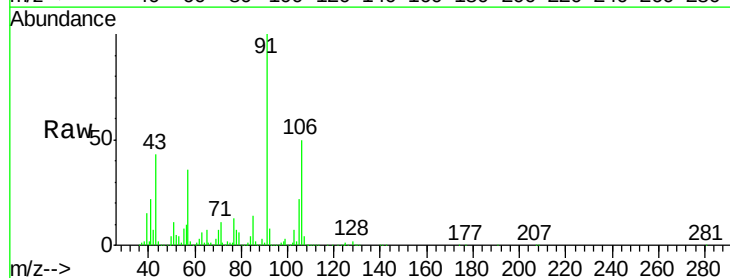
Acq: 14 Jul 2020 16:08

Tgt Ion: 106 Resp: 840818

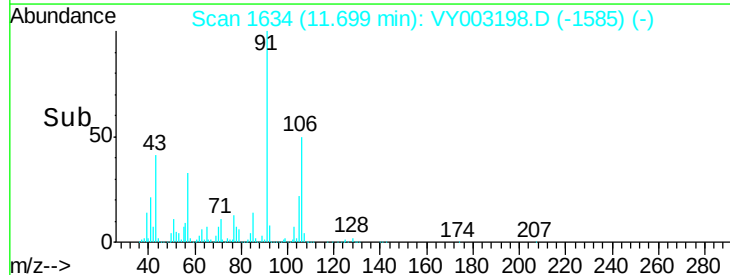
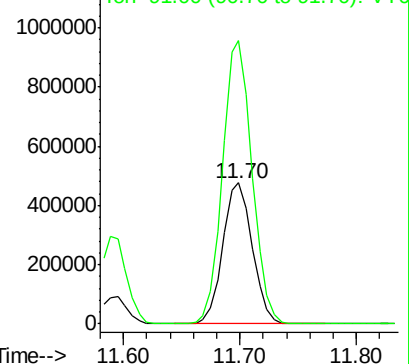
Ion Ratio Lower Upper

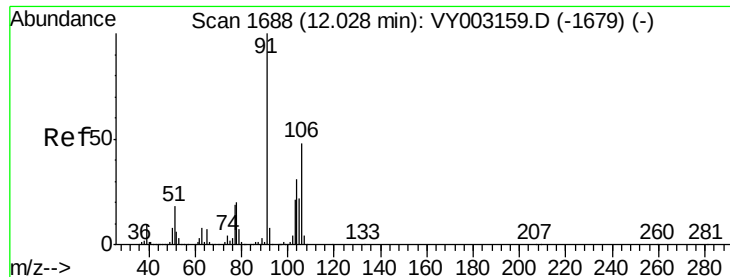
106 100

91 200.0 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): VY003159.D (-1626) (-)

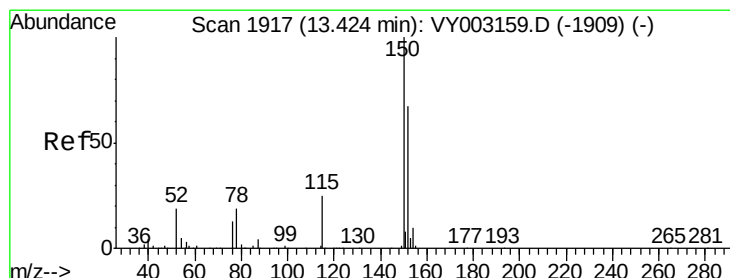
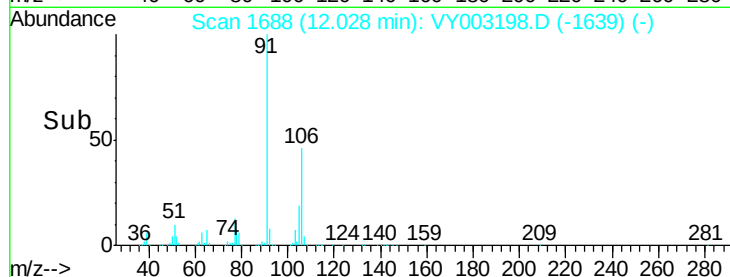
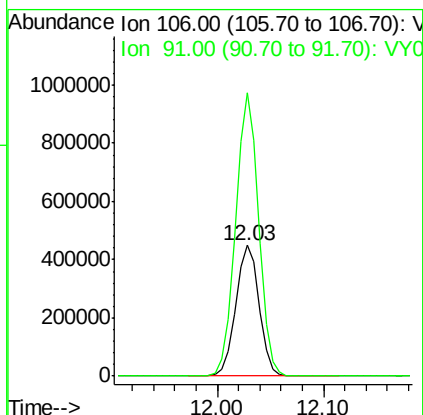
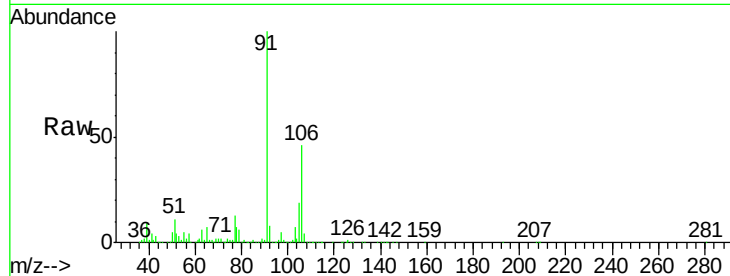




#69
o-Xylene
Concen: 114.313 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

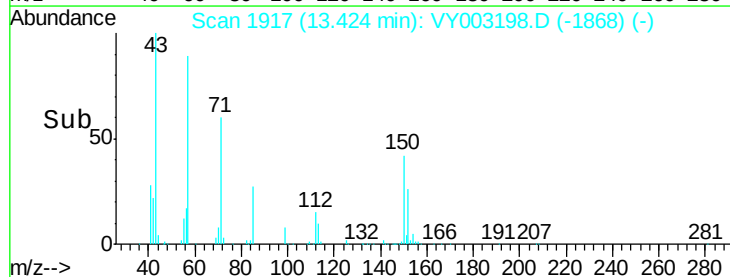
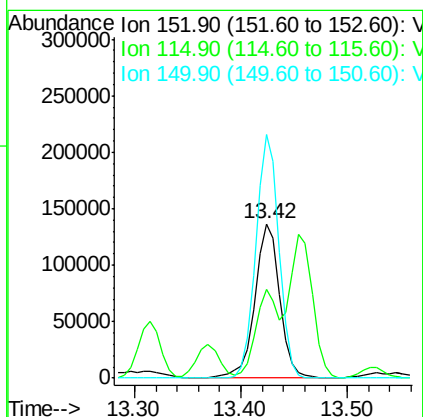
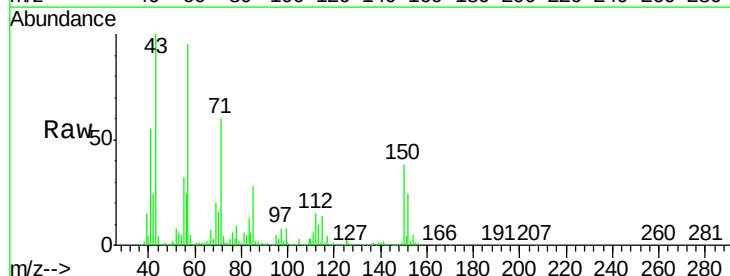
Instrument :
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ClientSampled :
TP-8A-D2

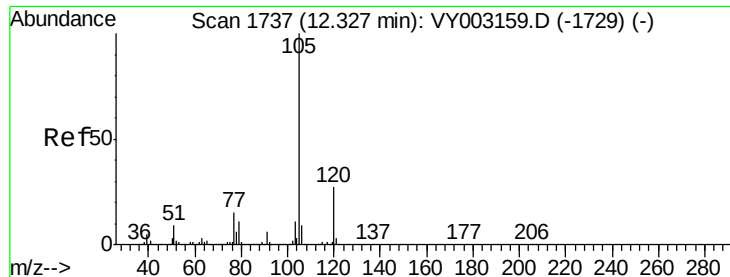
Tot Ion:106 Resp: 690975
Ion Ratio Lower Upper
106 100
91 213.5 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

Tgt Ion:152 Resp: 223060
Ion Ratio Lower Upper
152 100
115 49.0 26.9 80.7
150 146.3 0.0 338.0





#73

Isopropylbenzene

Concen: 21.444 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

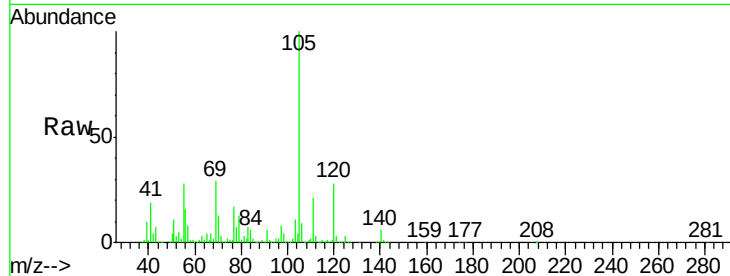
TP-8A-D2

Tot Ion:105 Resp: 304823

Ion Ratio Lower Upper

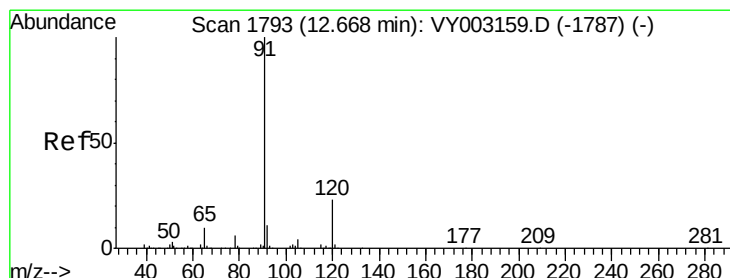
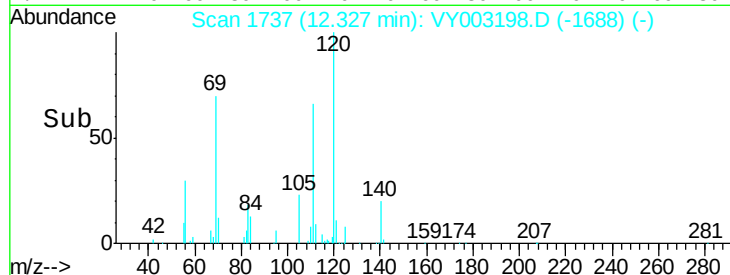
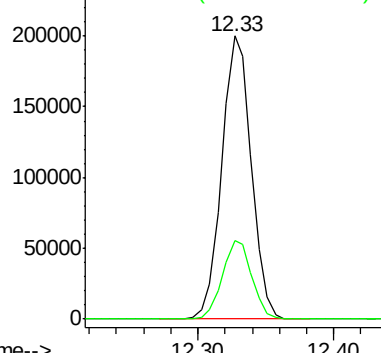
105 100

120 27.6 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 56.523 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY003198.D

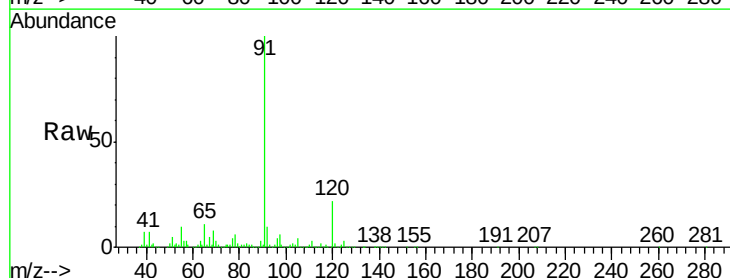
Acq: 14 Jul 2020 16:08

Tgt Ion: 91 Resp: 947091

Ion Ratio Lower Upper

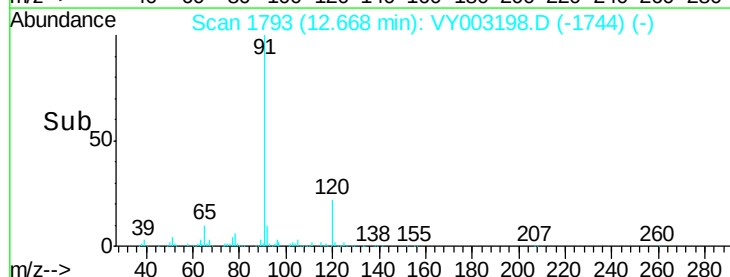
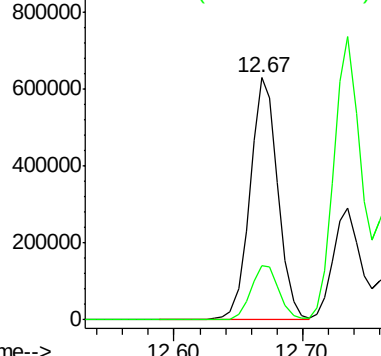
91 100

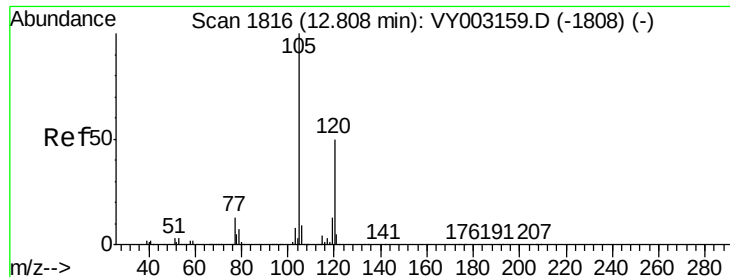
120 22.7 11.7 35.1



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: 183.017 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

Instrument :

MSVOA_Y

ClientSampleId :

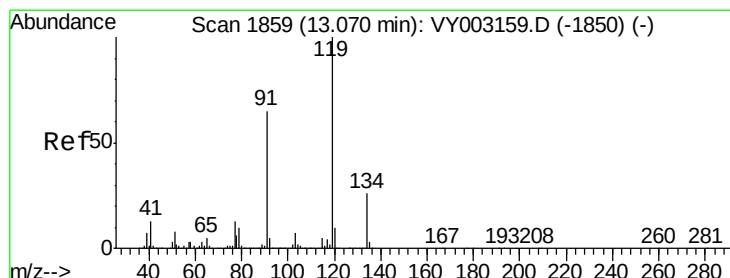
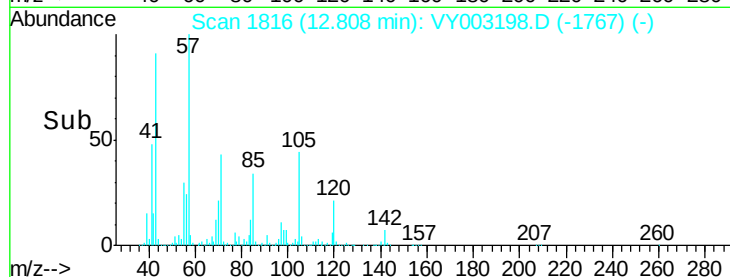
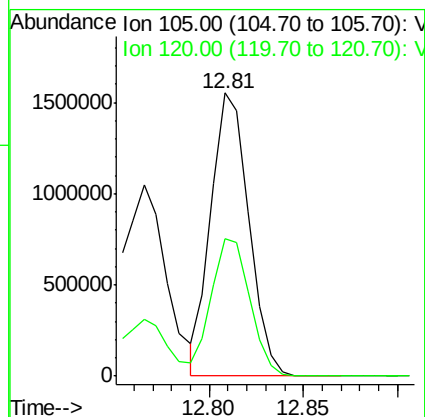
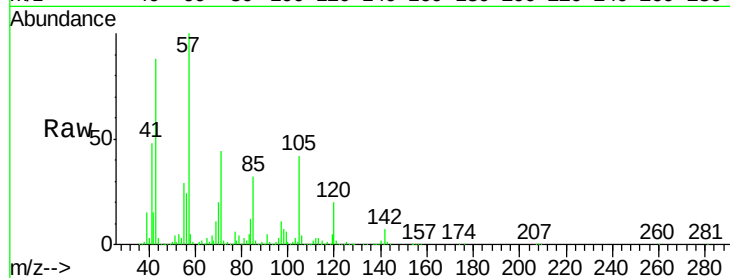
TP-8A-D2

Tot Ion:105 Resp: 2168292

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



#83

tert-Butylbenzene

Concen: 2.006 ug/l m

RT: 13.08 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VY003198.D

Acq: 14 Jul 2020 16:08

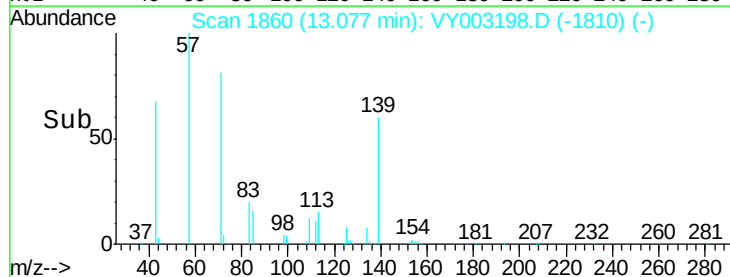
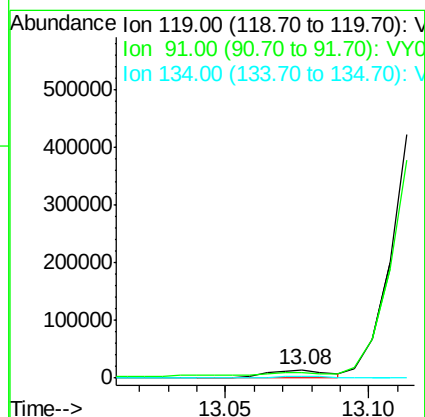
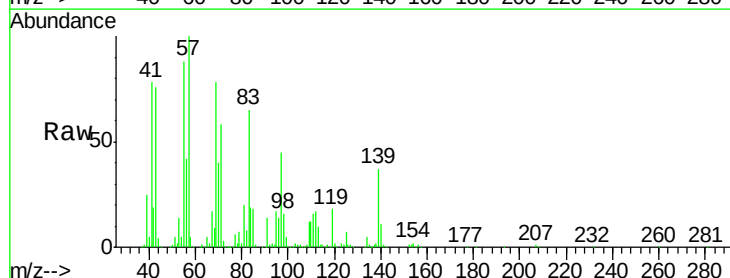
Tgt Ion:119 Resp: 20968

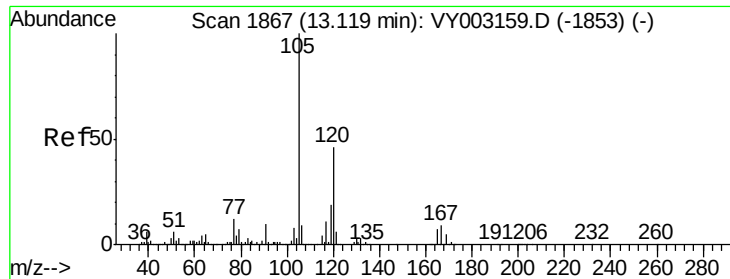
Ion Ratio Lower Upper

119 100

91 3280.2 30.8 92.4#

134 0.0 13.2 39.6#

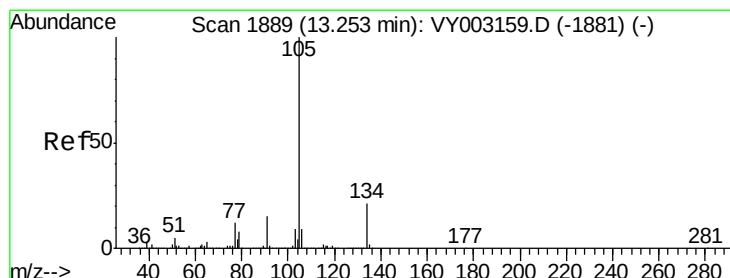
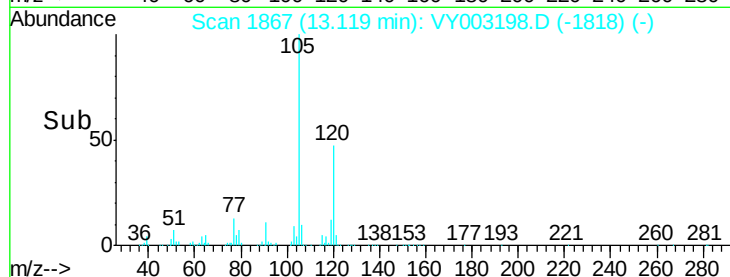
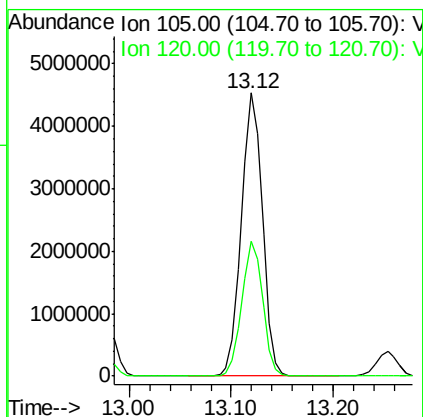
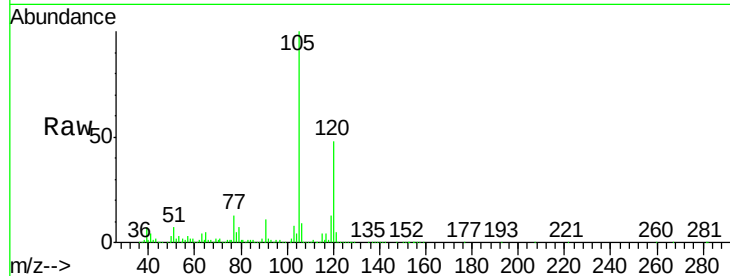




#84
 1,2,4-Trimethylbenzene
 Concen: 542.834 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

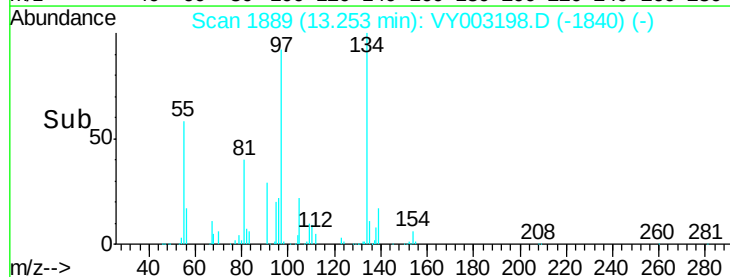
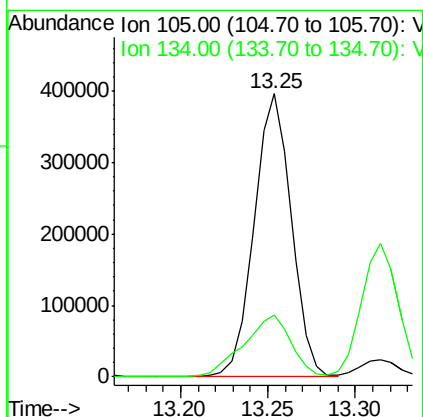
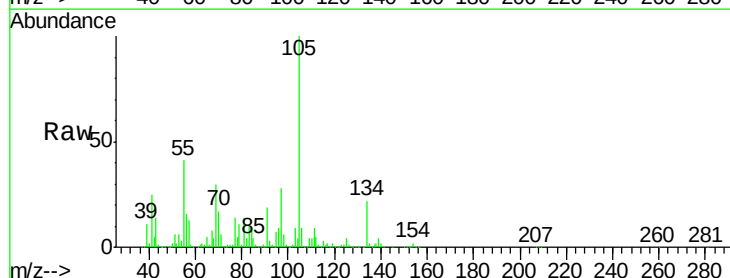
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-8A-D2

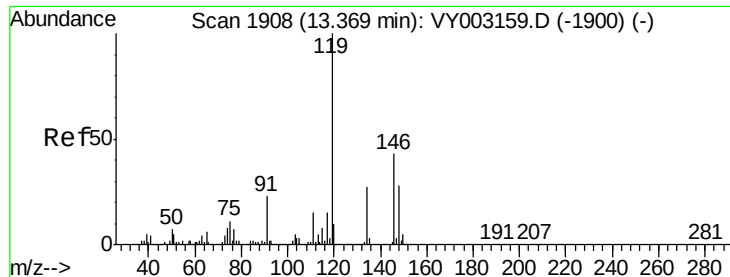
Tot Ion:105 Resp: 6470849
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 40.484 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY003198.D
 Acq: 14 Jul 2020 16:08

Tgt Ion:105 Resp: 581674
 Ion Ratio Lower Upper
 105 100
 134 28.1 10.4 31.4

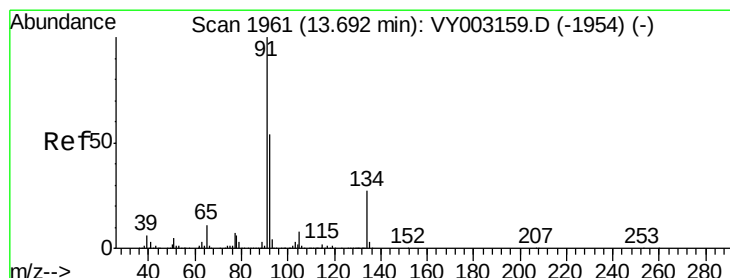
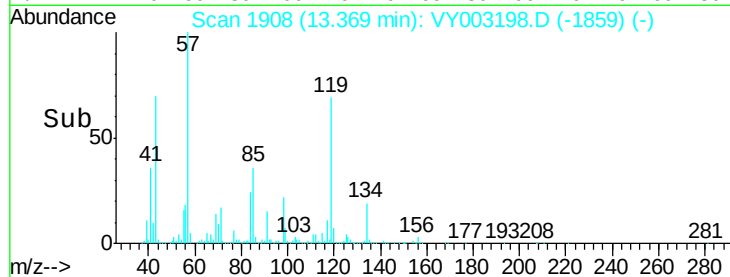
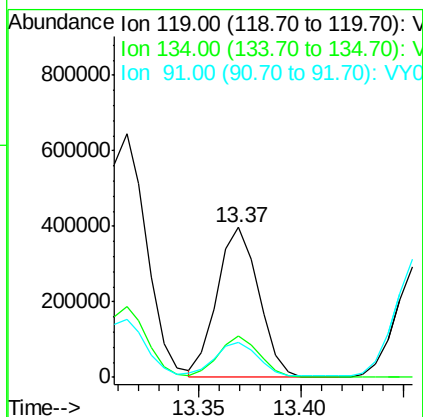
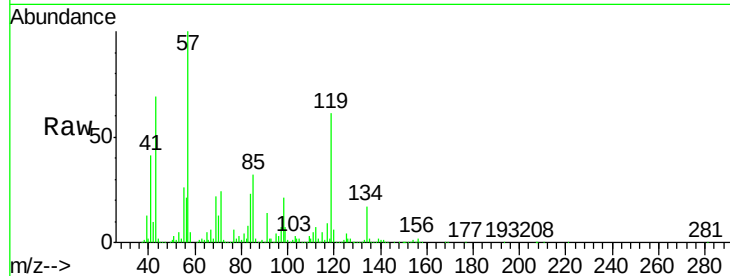




#86
p-Isopropyltoluene
Concen: 41.900 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

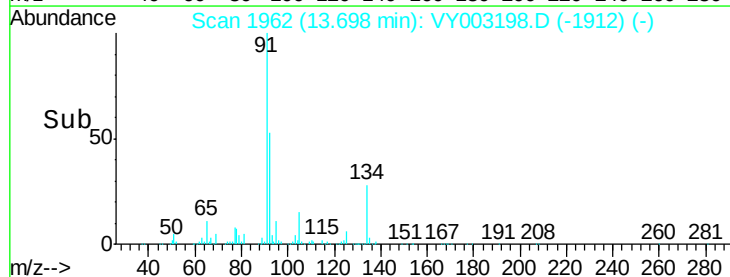
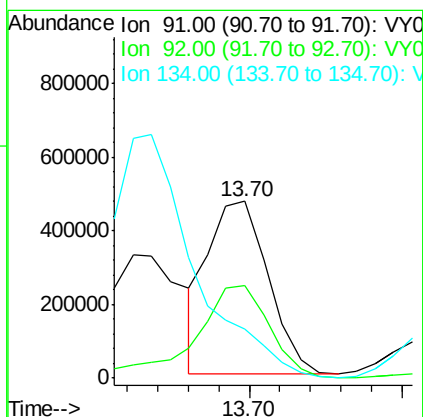
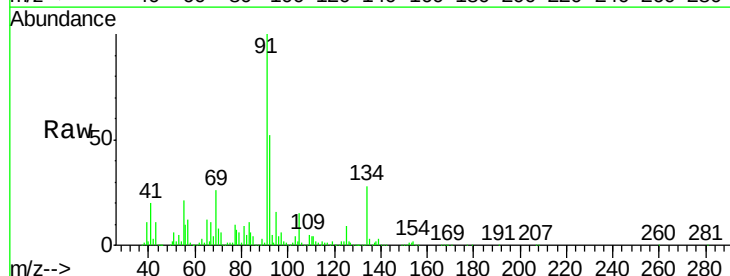
Instrument :
MSVOA_Y
ClientSampled :
TP-8A-D2

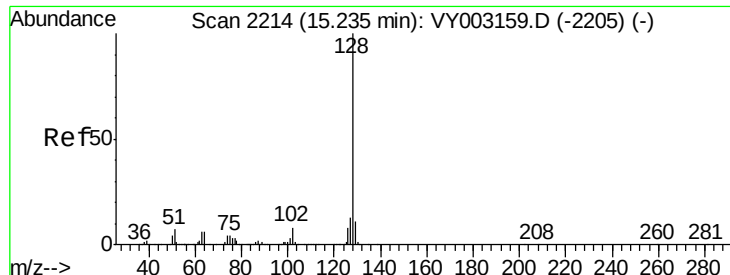
Tot Ion:119 Resp: 562110
Ion Ratio Lower Upper
119 100
134 27.2 13.4 40.2
91 23.2 11.2 33.6



#89
n-Butylbenzene
Concen: 50.319 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

Tgt Ion: 91 Resp: 634980
Ion Ratio Lower Upper
91 100
92 66.4 26.9 80.7
134 0.0 13.6 40.7#





#95
Naphthalene
Concen: 31.570 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY003198.D
Acq: 14 Jul 2020 16:08

Instrument :
MSVOA_Y
ClientSampleId :
TP-8A-D2

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	0.0	10.9	16.3	
129	0.0	9.0	13.6	

