

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051120\
 Data File : VY002656.D
 Acq On : 11 May 2020 12:22
 Operator : SY/MD
 Sample : L2564-01
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

Quant Time: May 12 06:25:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

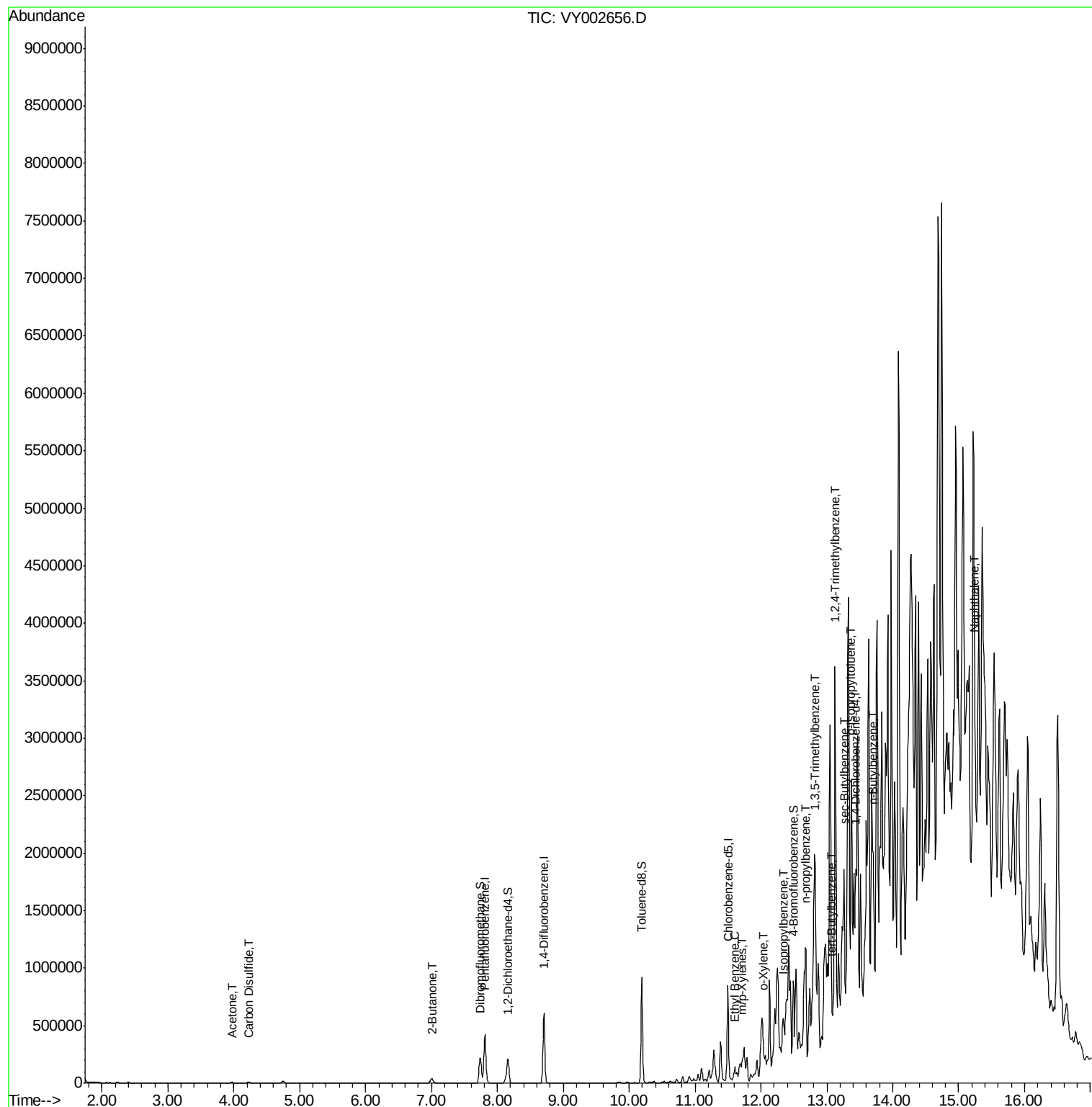
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	356278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	547868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	474643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	190095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	147331	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
35) Dibromofluoromethane	7.74	113	161751	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
50) Toluene-d8	10.19	98	633332	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.49	95	202803	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
Target Compounds						
					Qvalue	
16) Acetone	3.97	43	10078	16.301	ug/l	98
17) Carbon Disulfide	4.22	76	14501	1.572	ug/l	99
25) 2-Butanone	7.02	43	4227	4.177	ug/l #	86
67) Ethyl Benzene	11.60	91	65077	4.106	ug/l	97
68) m/p-Xylenes	11.71	106	10313	1.682	ug/l	93
69) o-Xylene	12.03	106	39124	6.814	ug/l	96
73) Isopropylbenzene	12.34	105	198087	16.078	ug/l	100
78) n-propylbenzene	12.68	91	725794	50.765	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	74885	7.333	ug/l	95
83) tert-Butylbenzene	13.08	119	27213	3.039	ug/l	91
84) 1,2,4-Trimethylbenzene	13.13	105	1679533	165.020	ug/l	99
85) sec-Butylbenzene	13.26	105	636592	51.233	ug/l	88
86) p-Isopropyltoluene	13.38	119	283707	24.368	ug/l	99
89) n-Butylbenzene	13.70	91	733252	69.183	ug/l #	75
95) Naphthalene	15.25	128	392608	57.026	ug/l #	83

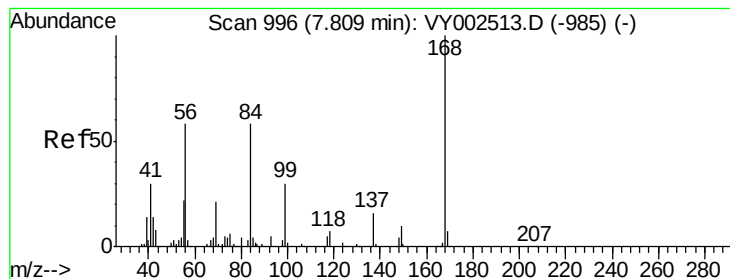
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY002656.D

Acq: 11 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

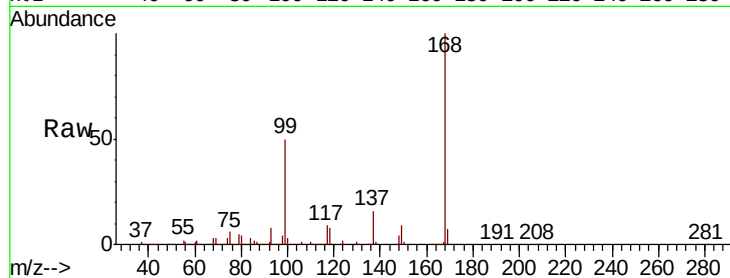
SW-1

Tot Ion:168 Resp: 356278

Ion Ratio Lower Upper

168 100

99 50.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.81

150000

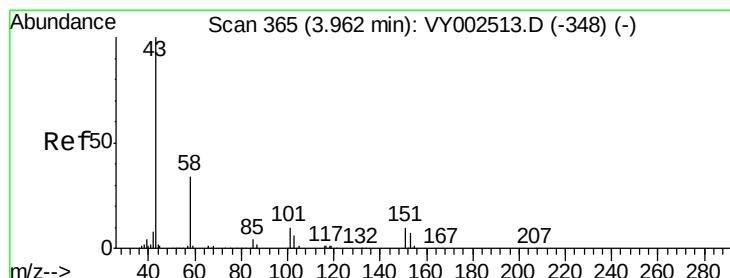
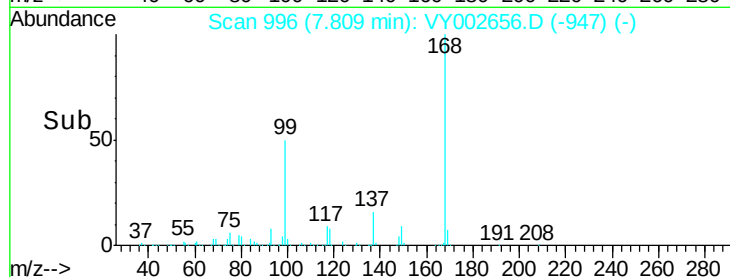
100000

50000

0

7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 16.301 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002656.D

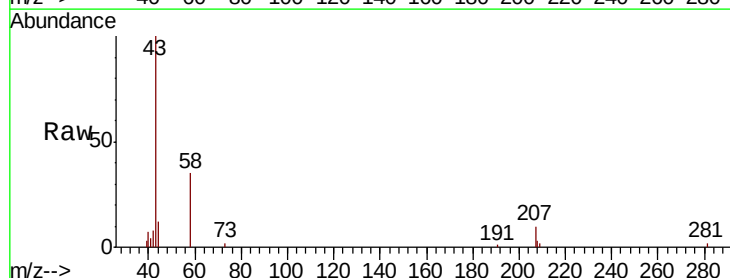
Acq: 11 May 2020 12:22

Tgt Ion: 43 Resp: 10078

Ion Ratio Lower Upper

43 100

58 34.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY002513.D (-348) (-)

3.97

4000

3000

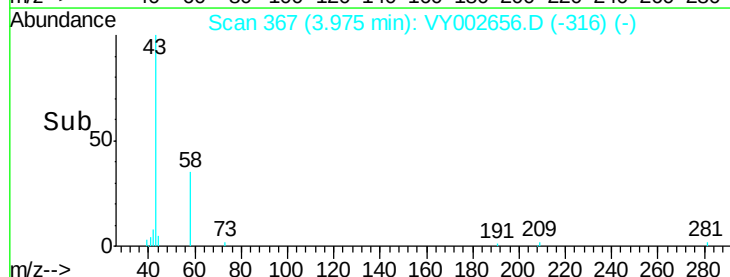
2000

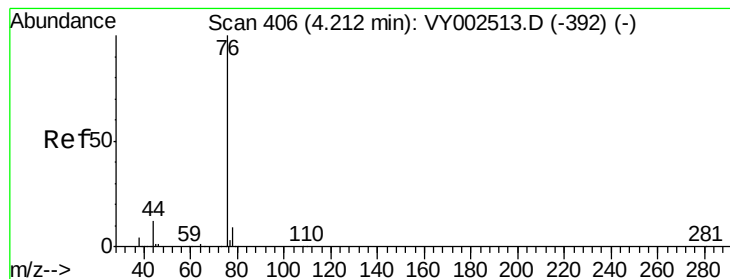
1000

0

3.90 4.00 4.10

Time-->





#17

Carbon Disulfide

Concen: 1.572 ug/l

RT: 4.22 min Scan# 408

Delta R.T. 0.01 min

Lab File: VY002656.D

Acq: 11 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

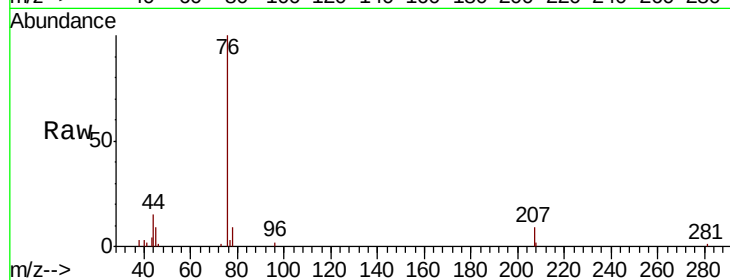
SW-1

Tot Ion: 76 Resp: 14501

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.22

6000

5000

4000

3000

2000

1000

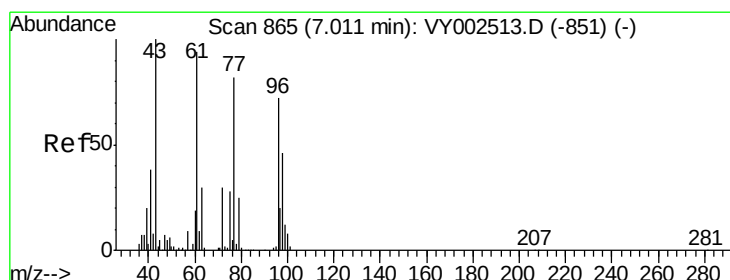
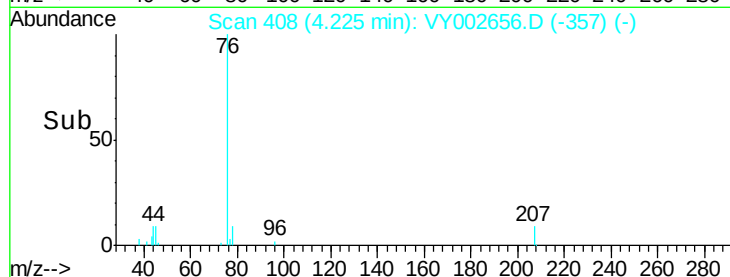
0

Time-->

4.10

4.20

4.30



#25

2-Butanone

Concen: 4.177 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY002656.D

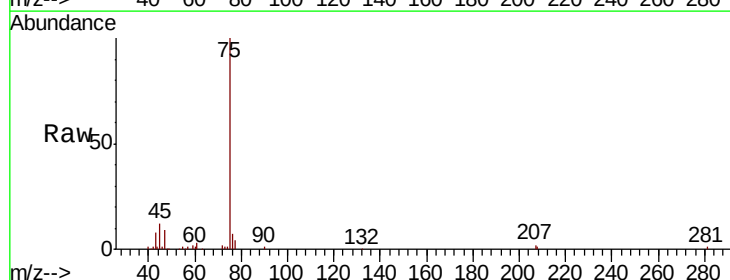
Acq: 11 May 2020 12:22

Tgt Ion: 43 Resp: 4227

Ion Ratio Lower Upper

43 100

72 22.4 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

7.02

1500

1000

500

0

Time-->

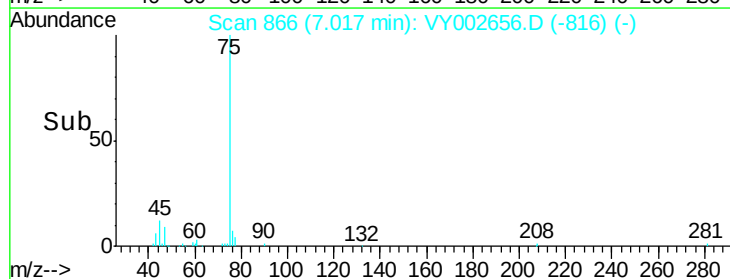
6.90

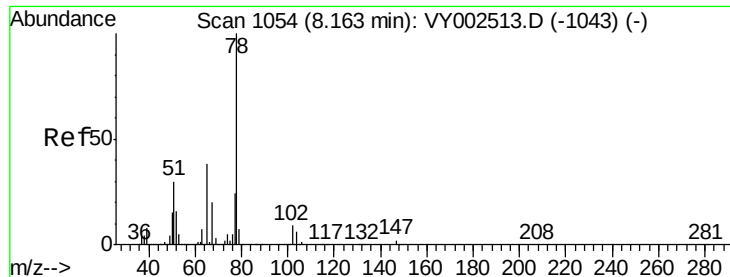
6.95

7.00

7.05

7.10

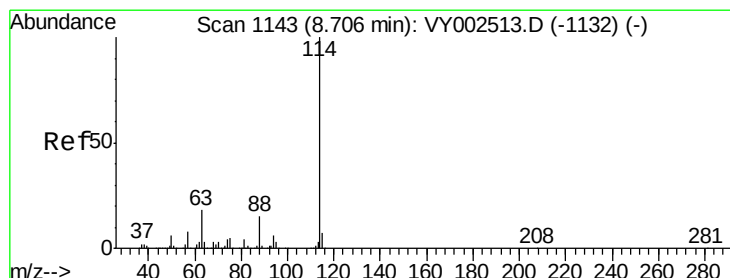
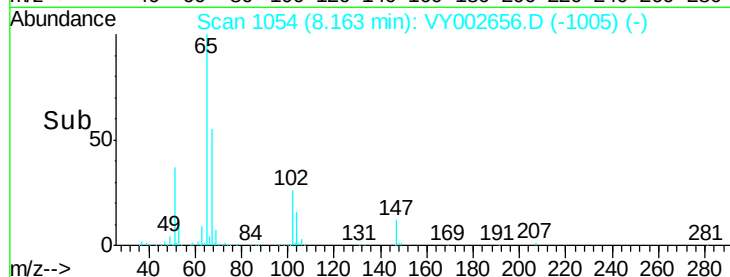
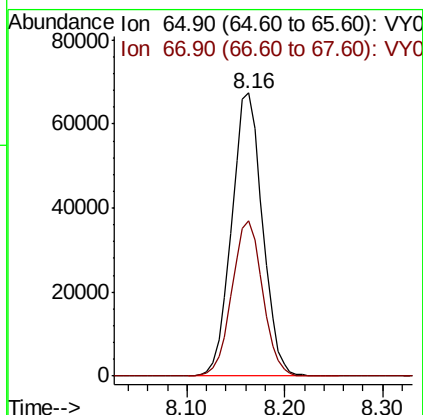
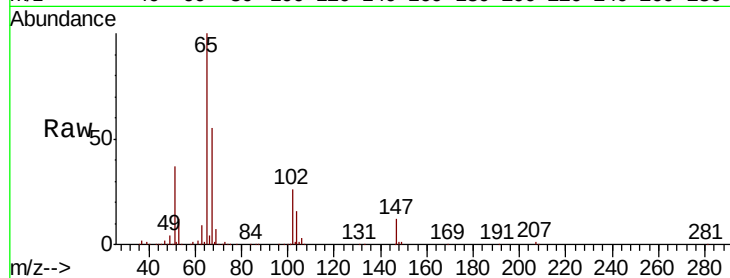




#33
 1,2-Dichloroethane-d4
 Concen: 49.182 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

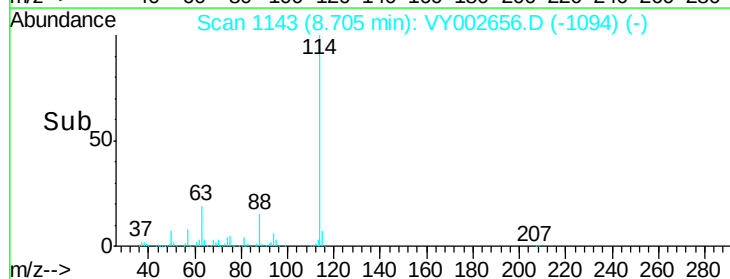
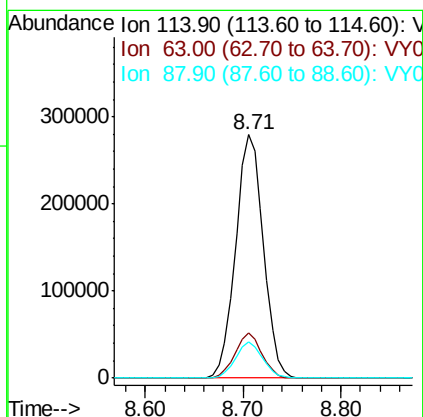
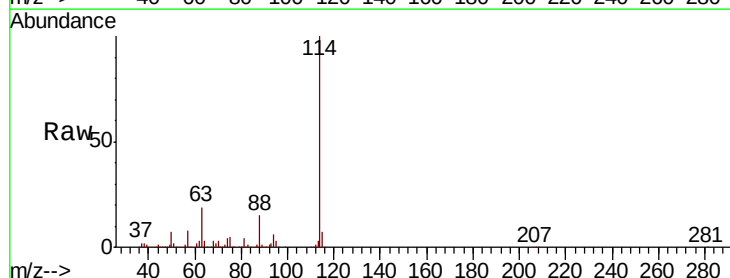
Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

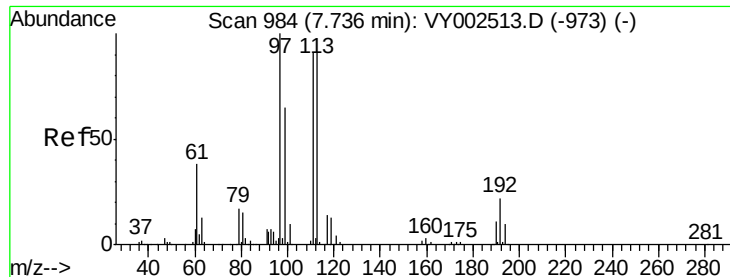
Tot Ion: 65 Resp: 147331
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

Tgt Ion: 114 Resp: 547868
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.4
 88 15.0 0.0 29.6

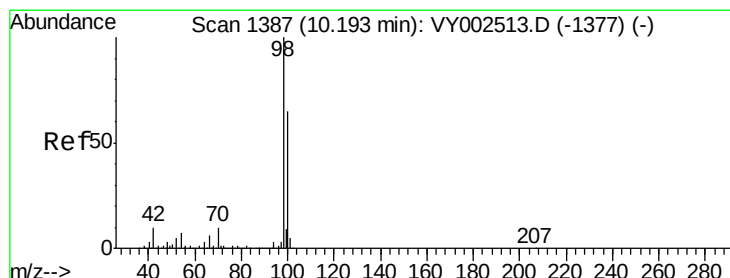
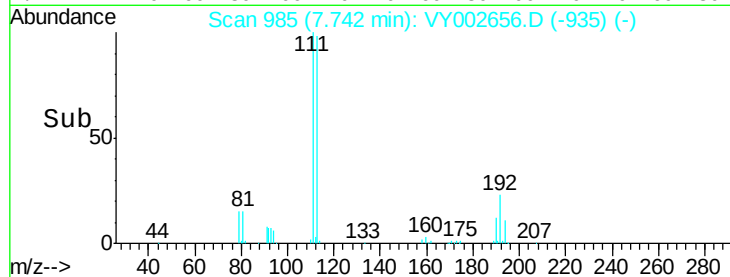
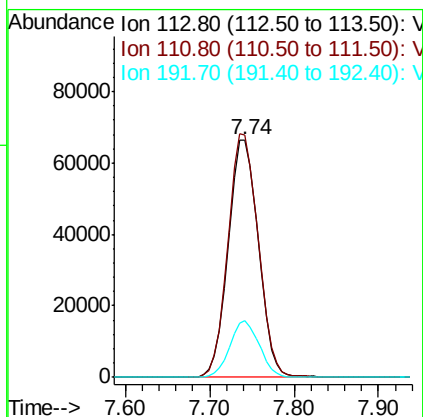
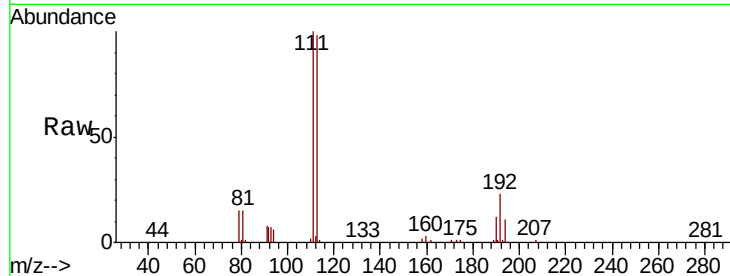




#35
 Dibromofluoromethane
 Concen: 51.624 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

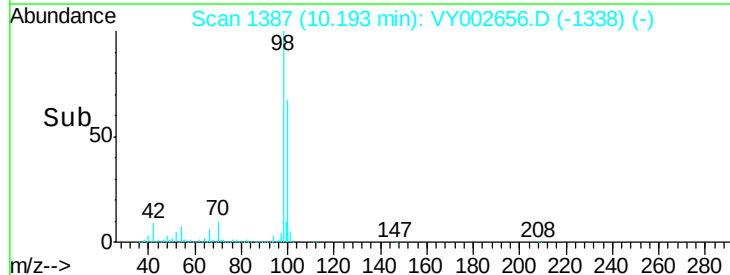
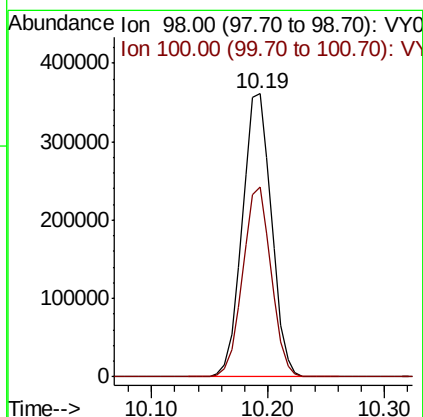
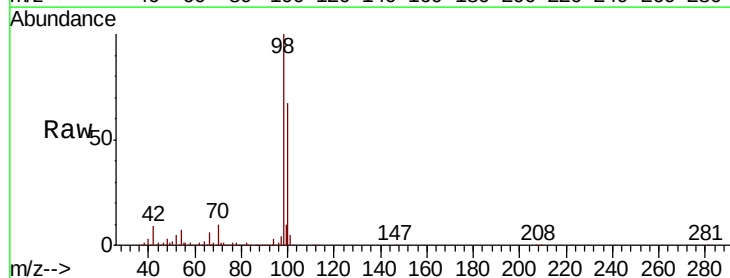
Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

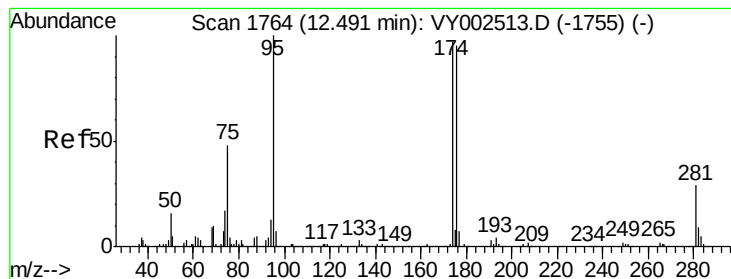
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	23.1	18.2	27.4



#50
 Toluene-d8
 Concen: 51.760 ug/l
 RT: 10.19 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#62

4-Bromofluorobenzene

Concen: 48.845 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002656.D

Acq: 11 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

SW-1

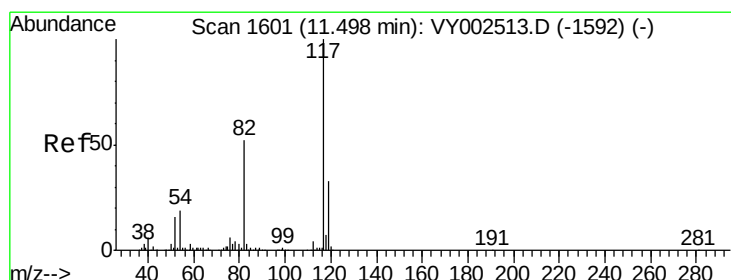
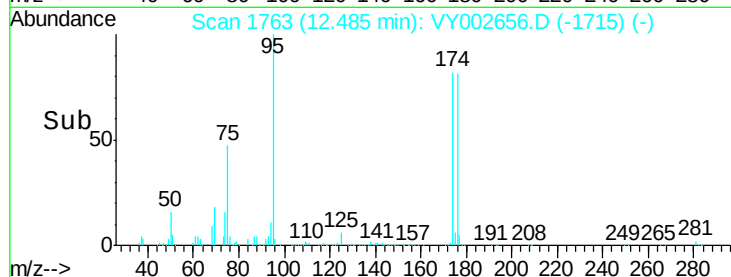
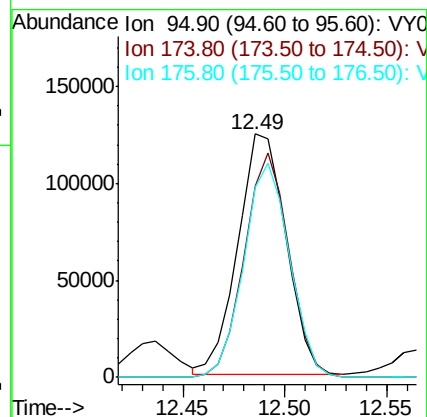
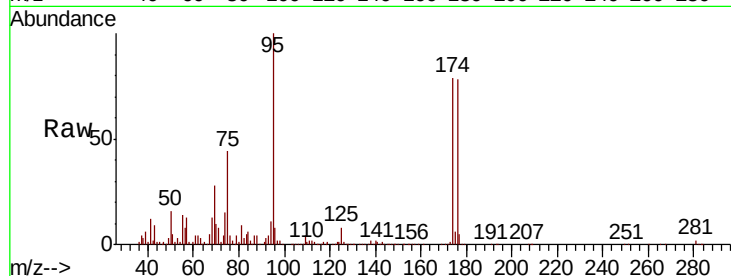
Tot Ion: 95 Resp: 202803

Ion Ratio Lower Upper

95 100

174 87.3 0.0 188.8

176 85.1 0.0 183.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VY002656.D

Acq: 11 May 2020 12:22

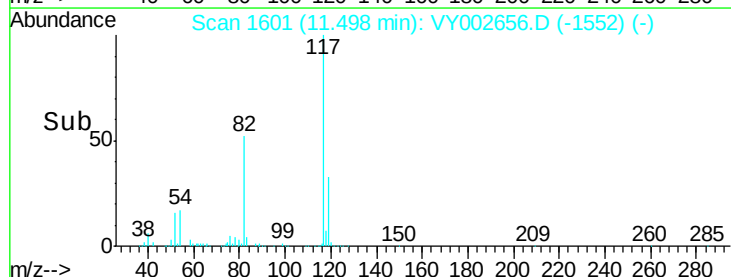
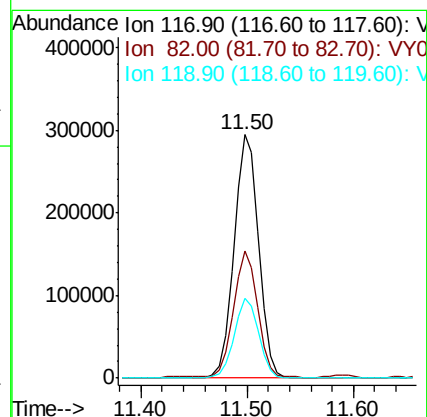
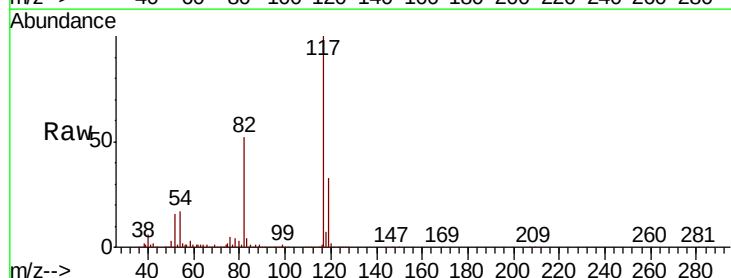
Tgt Ion: 117 Resp: 474643

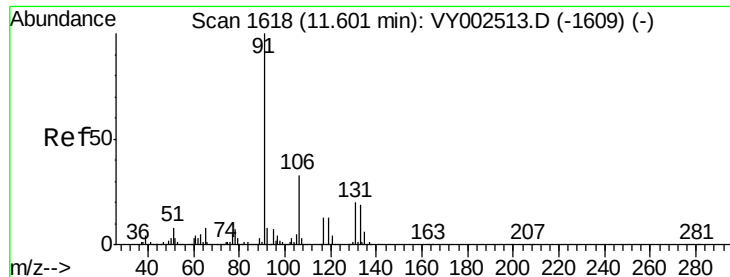
Ion Ratio Lower Upper

117 100

82 51.3 41.3 61.9

119 32.8 26.0 39.0

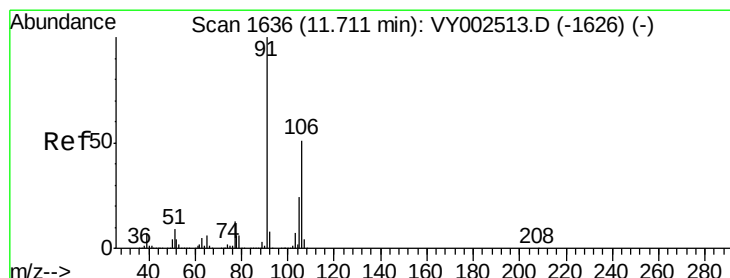
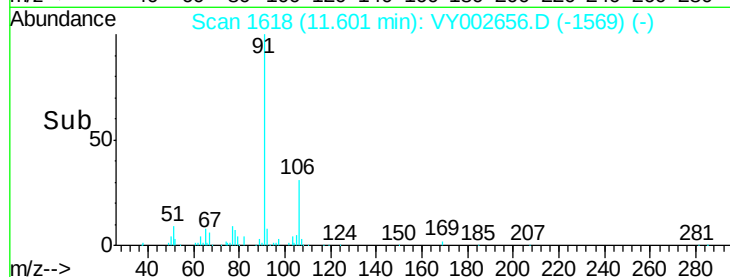
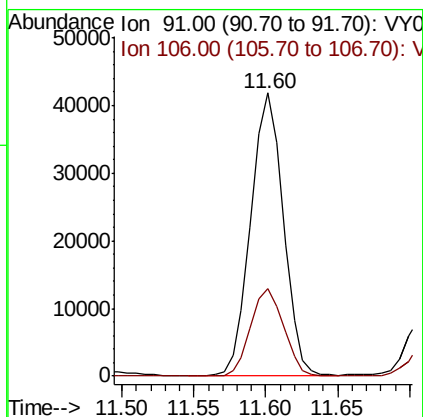
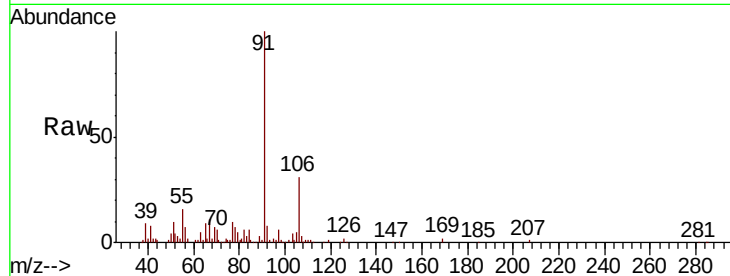




#67
Ethyl Benzene
Concen: 4.106 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002656.D
Acq: 11 May 2020 12:22

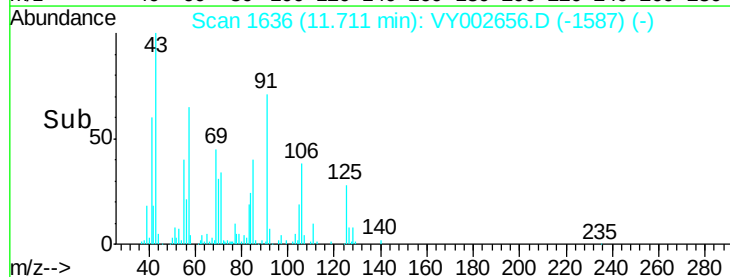
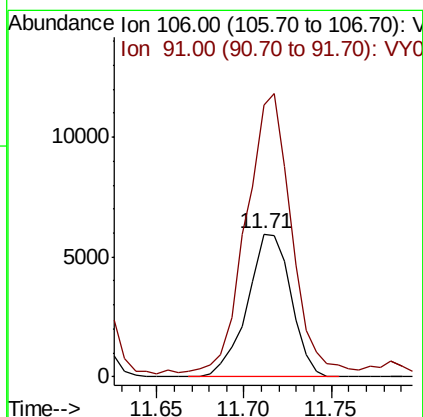
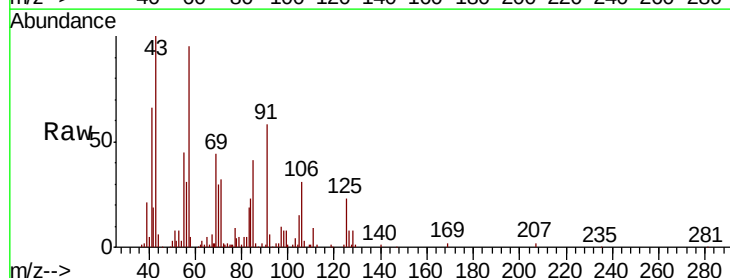
Instrument :
MSVOA_Y
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SW-1

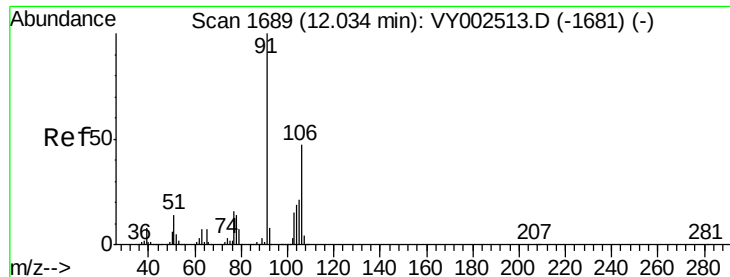
Tot Ion: 91 Resp: 65077
Ion Ratio Lower Upper
91 100
106 31.1 26.1 39.1



#68
m/p-Xylenes
Concen: 1.682 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY002656.D
Acq: 11 May 2020 12:22

Tgt Ion: 106 Resp: 10313
Ion Ratio Lower Upper
106 100
91 204.0 155.2 232.8

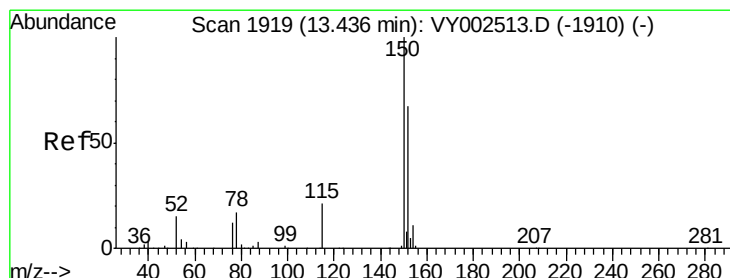
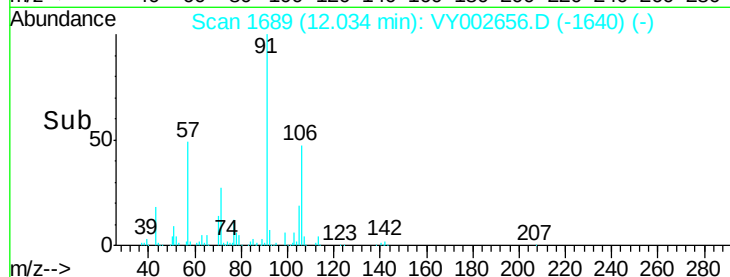
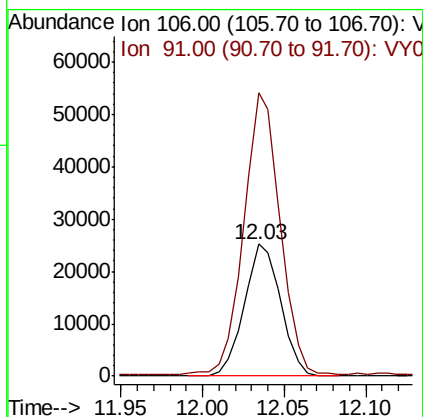
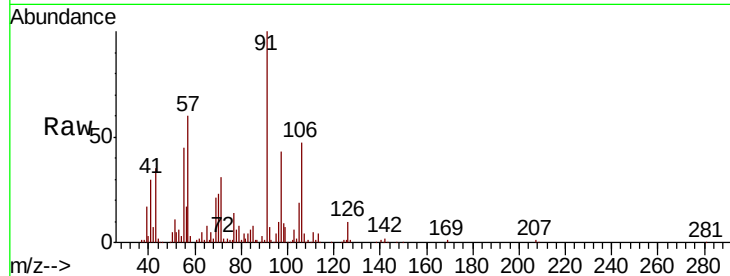




#69
o-Xylene
Concen: 6.814 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY002656.D
Acq: 11 May 2020 12:22

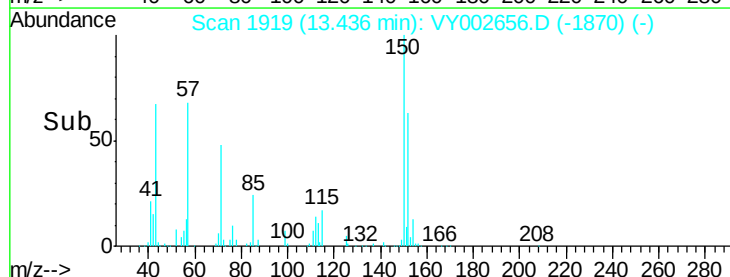
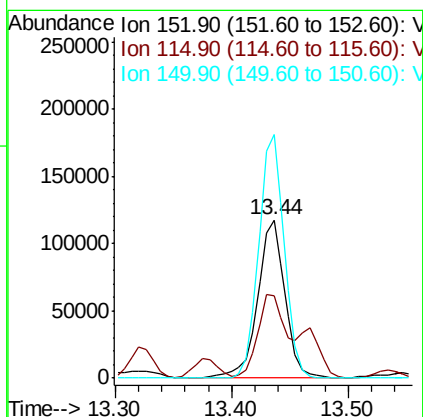
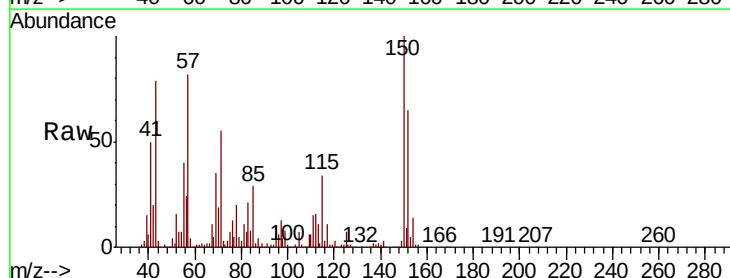
Instrument :
MSVOA_Y
ClientSampleId :
SW-1

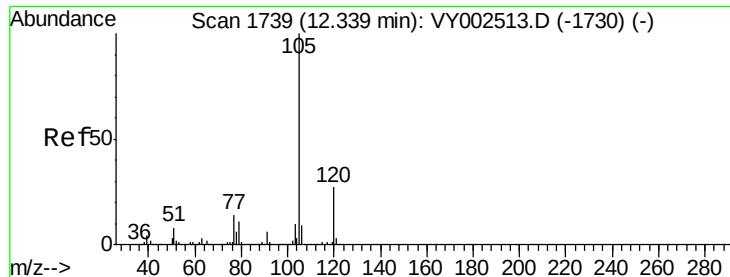
Tot Ion:106 Resp: 39124
Ion Ratio Lower Upper
106 100
91 213.6 103.8 311.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY002656.D
Acq: 11 May 2020 12:22

Tgt Ion:152 Resp: 190095
Ion Ratio Lower Upper
152 100
115 53.8 27.5 82.4
150 144.8 0.0 346.4





#73

Isopropylbenzene

Concen: 16.078 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VY002656.D

Acq: 11 May 2020 12:22

Instrument :

MSVOA_Y

ClientSampleId :

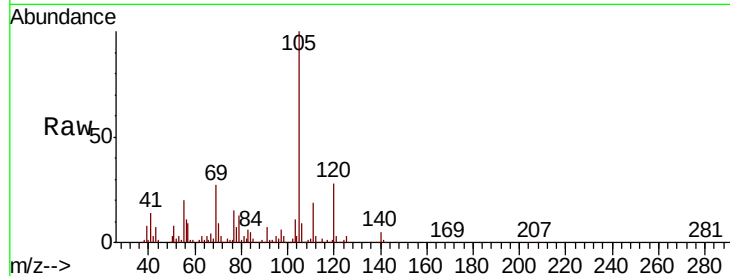
SW-1

Tot Ion:105 Resp: 198087

Ion Ratio Lower Upper

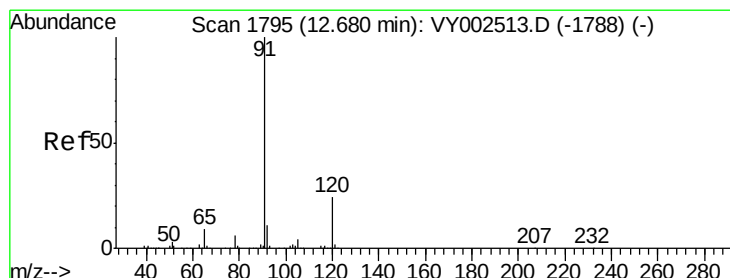
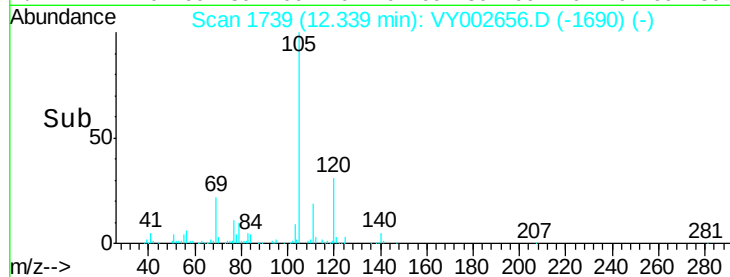
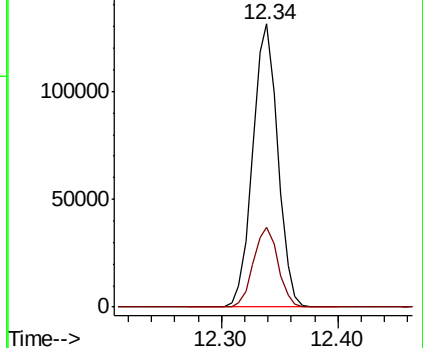
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 50.765 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002656.D

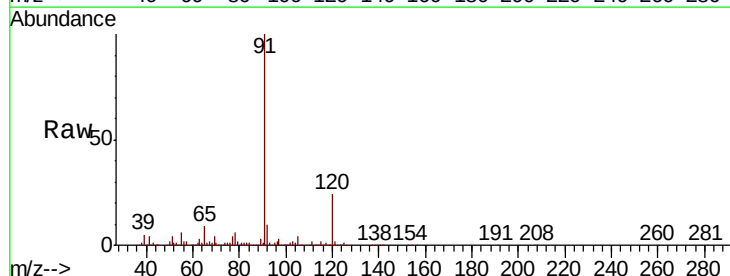
Acq: 11 May 2020 12:22

Tgt Ion: 91 Resp: 725794

Ion Ratio Lower Upper

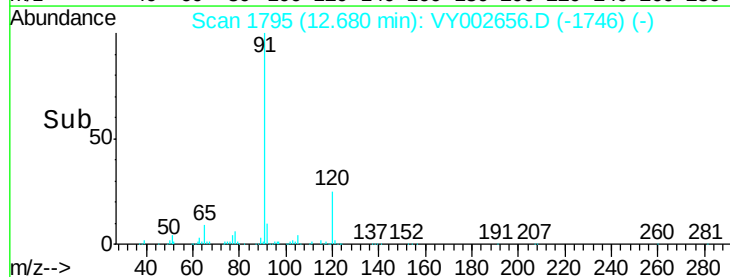
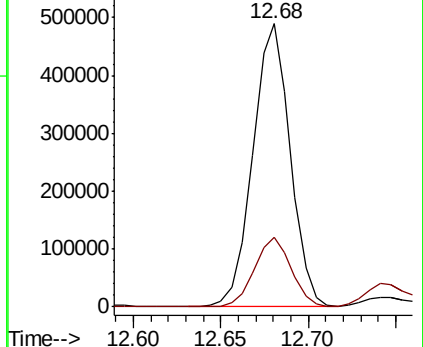
91 100

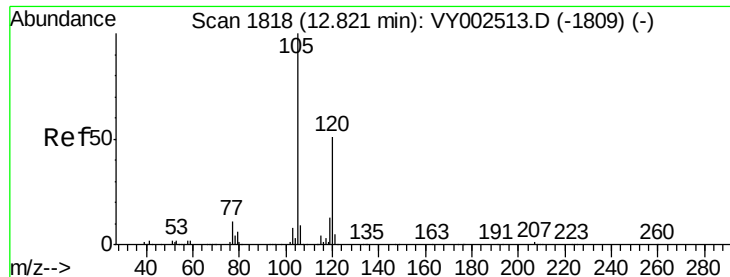
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

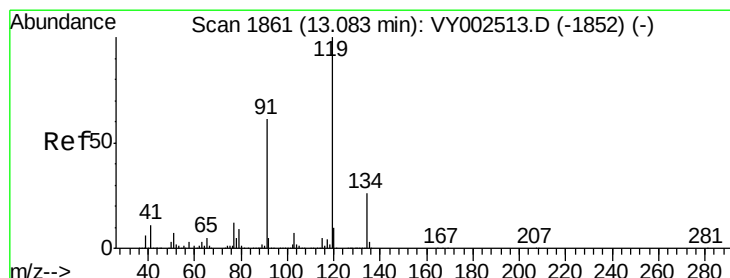
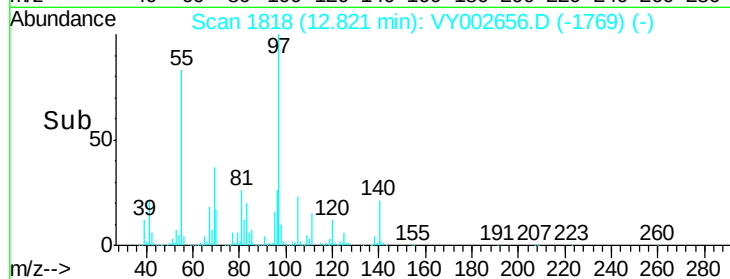
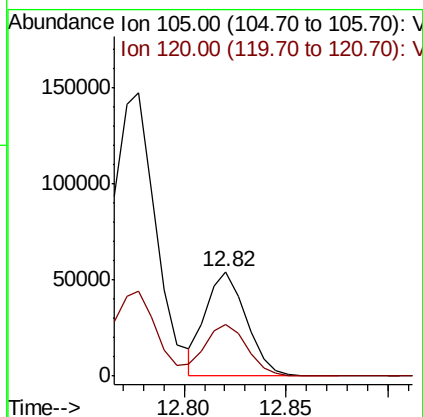
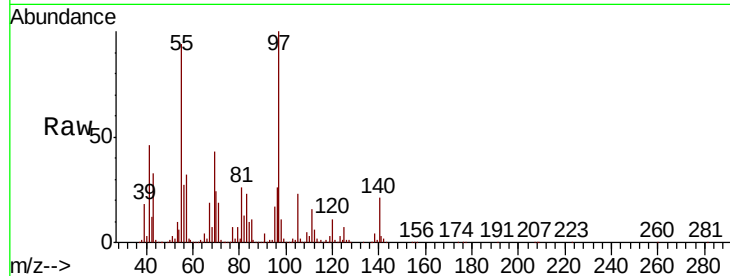




#80
 1,3,5-Trimethylbenzene
 Concen: 7.333 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

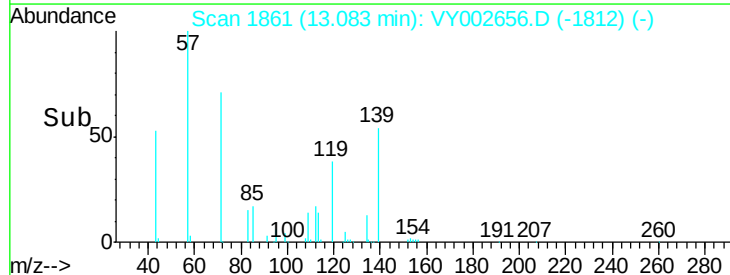
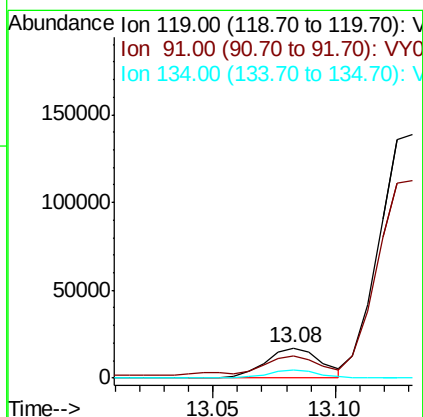
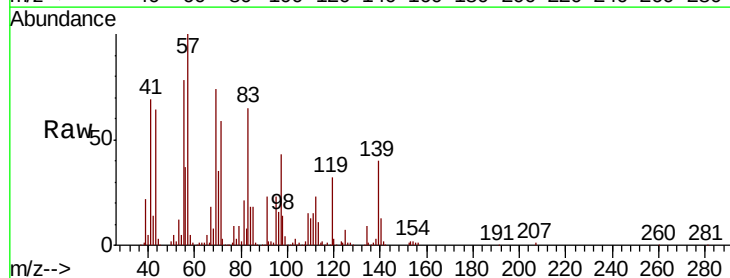
Instrument :
 MSVOA_Y
 ClientSampled :
 SW-1

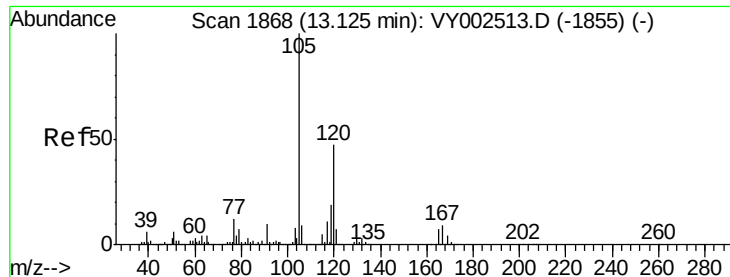
Tot Ion:105 Resp: 74885
 Ion Ratio Lower Upper
 105 100
 120 53.8 25.3 75.9



#83
 tert-Butylbenzene
 Concen: 3.039 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

Tgt Ion:119 Resp: 27213
 Ion Ratio Lower Upper
 119 100
 91 70.2 30.6 91.6
 134 25.9 13.5 40.4

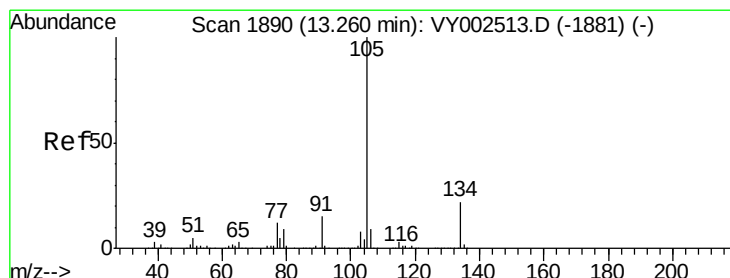
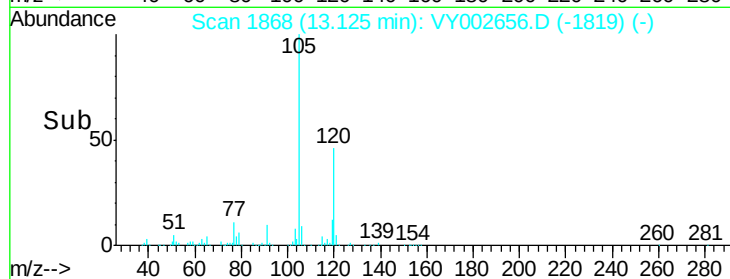
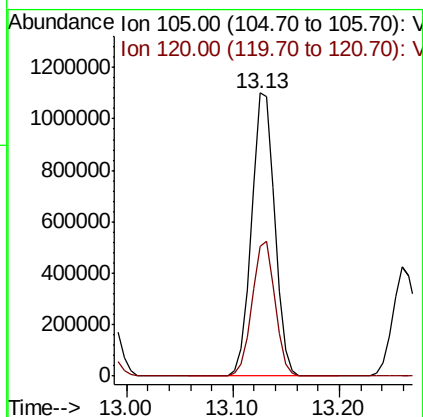
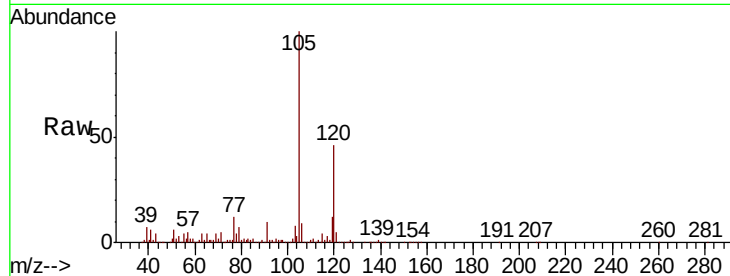




#84
 1,2,4-Trimethylbenzene
 Concen: 165.020 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

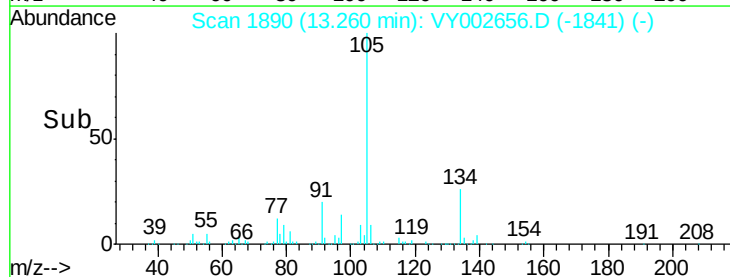
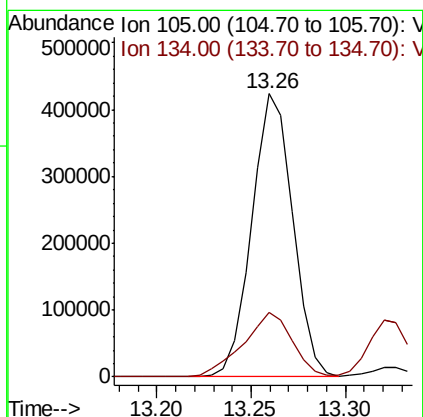
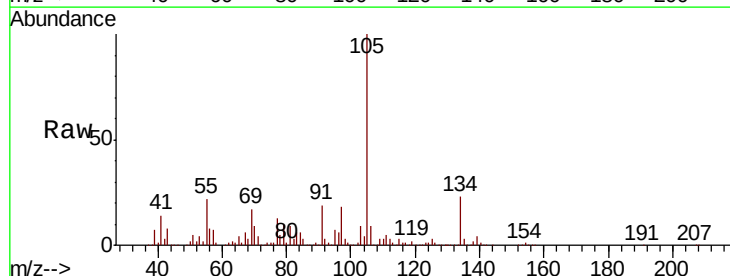
Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

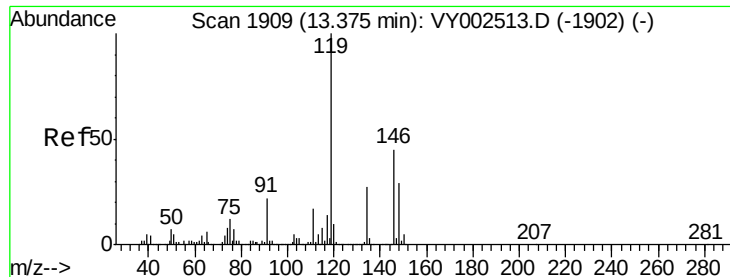
Tot Ion:105 Resp: 1679533
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.3



#85
 sec-Butylbenzene
 Concen: 51.233 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

Tgt Ion:105 Resp: 636592
 Ion Ratio Lower Upper
 105 100
 134 27.4 10.8 32.3

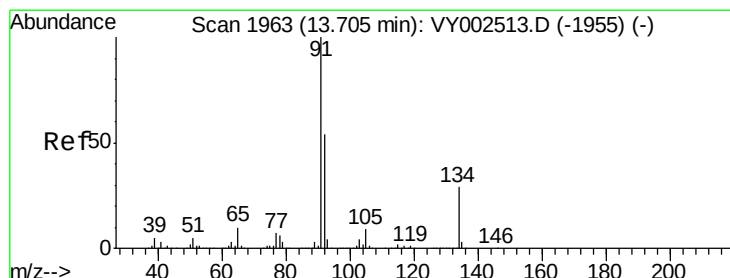
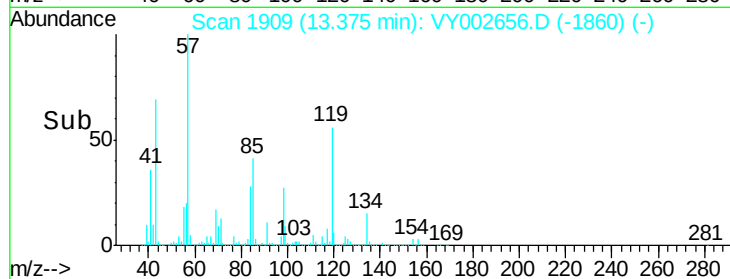
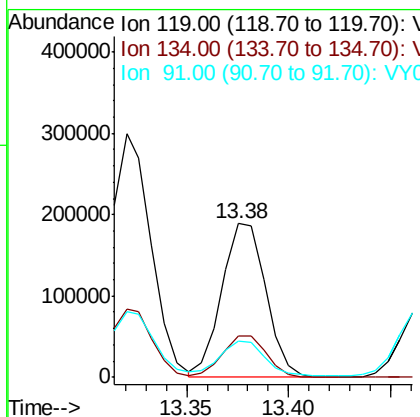
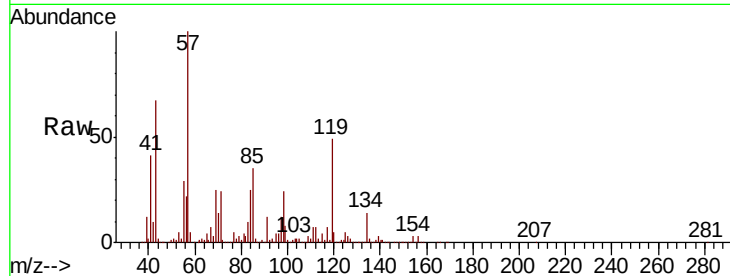




#86
 p-Isopropyltoluene
 Concen: 24.368 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

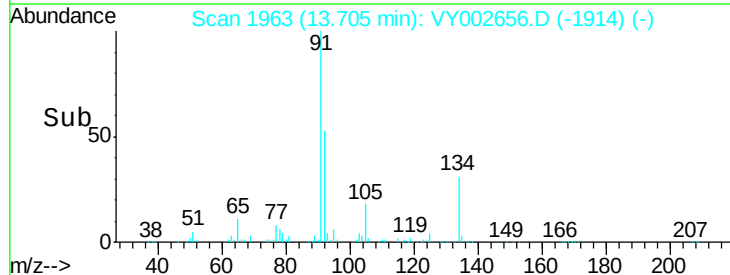
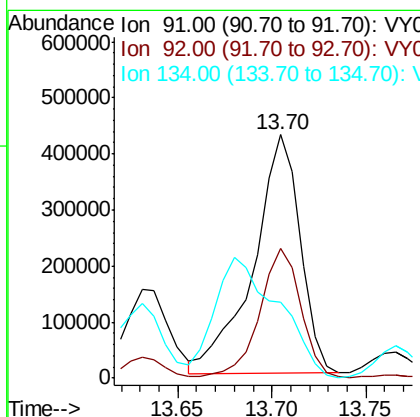
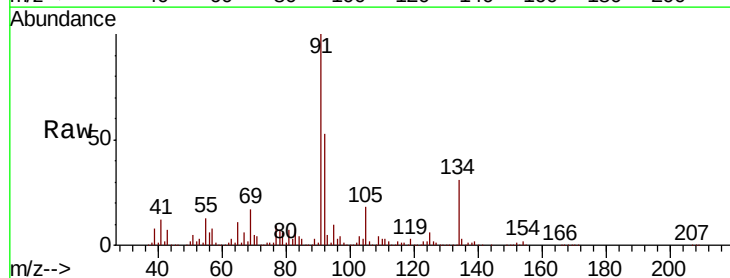
Instrument :
 MSVOA_Y
 ClientSampleId :
 SW-1

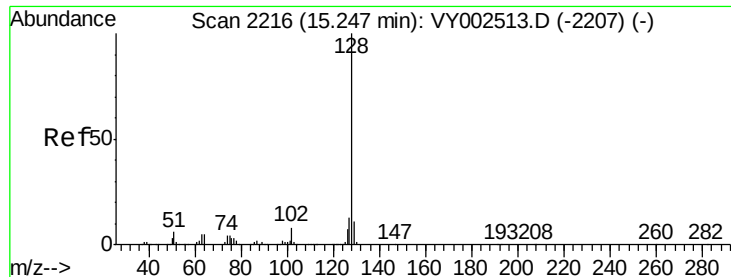
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	22.6	10.9	32.9



#89
 n-Butylbenzene
 Concen: 69.183 ug/l
 RT: 13.70 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VY002656.D
 Acq: 11 May 2020 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	47.4	27.1	81.3
134	0.0	14.4	43.0





#95
Naphthalene
Concen: 57.026 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002656.D
Acq: 11 May 2020 12:22

Instrument :
MSVOA_Y
ClientSampleId :
SW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.0	10.5	15.7#
129	17.3	8.8	13.2#

