

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014732.D
 Acq On : 23 Jan 2020 18:47
 Operator : SY/VA
 Sample : L1243-09
 Misc : 6.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-01-6-7

Quant Time: Jan 24 06:19:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	472557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	803387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	529911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	138106	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	287204	69.51	ug/l	0.00
Spiked Amount			Recovery	=	139.02%	
35) Dibromofluoromethane	7.88	113	9015	1.96	ug/l	0.00
Spiked Amount			Recovery	=	3.92%	
50) Toluene-d8	10.32	98	781923	40.81	ug/l	0.00
Spiked Amount			Recovery	=	81.62%	
62) 4-Bromofluorobenzene	12.62	95	174965	26.92	ug/l	0.00
Spiked Amount			Recovery	=	53.84%	

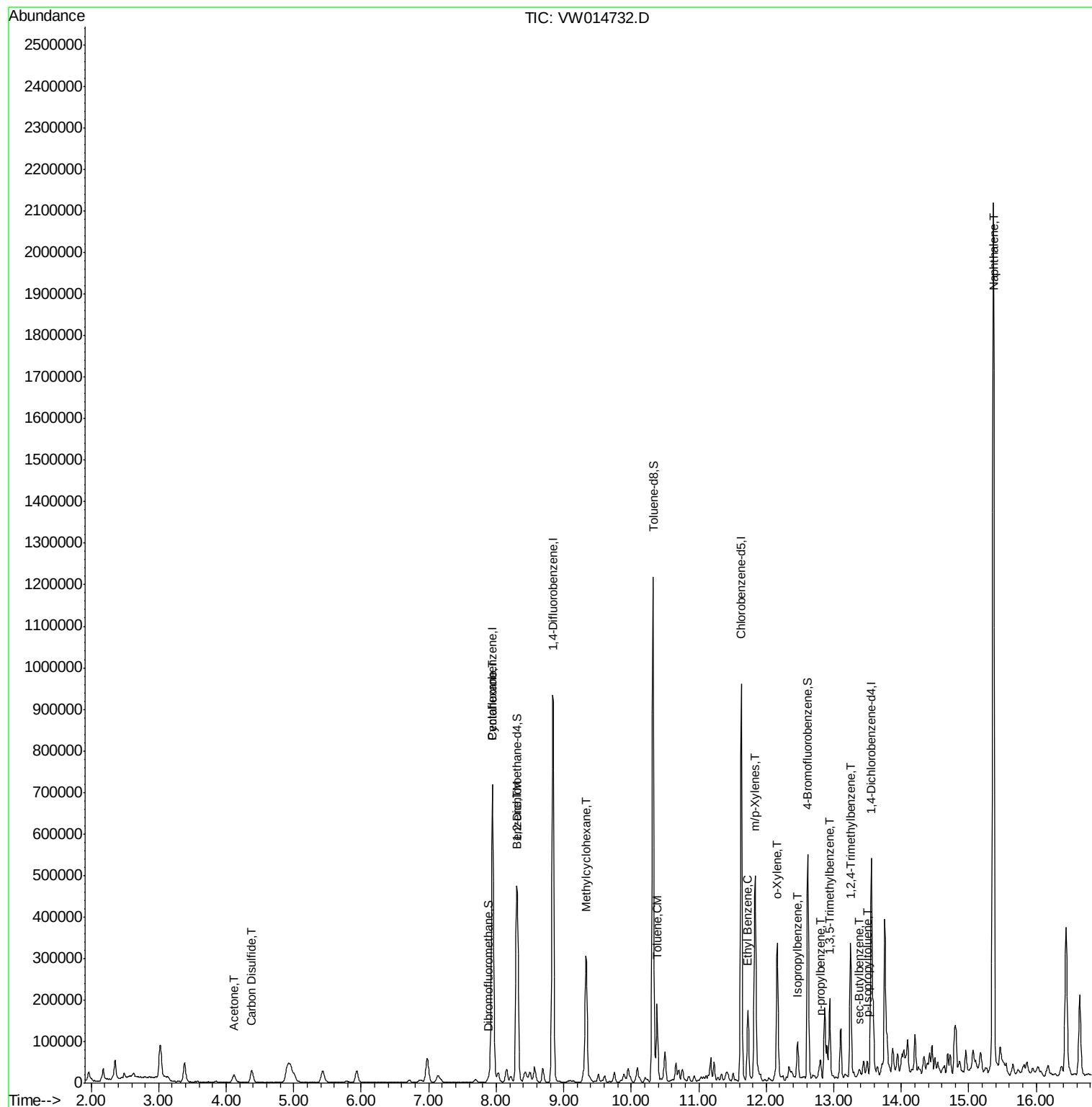
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	25937	22.232	ug/l #	85
17) Carbon Disulfide	4.38	76	62451	4.406	ug/l	99
31) Cyclohexane	7.95	56	76946	8.726	ug/l #	92
39) Methylcyclohexane	9.33	83	118634	11.936	ug/l	95
40) Benzene	8.32	78	204164	9.317	ug/l	99
52) Toluene	10.38	92	77186	5.599	ug/l	97
67) Ethyl Benzene	11.73	91	110015	5.623	ug/l	97
68) m/p-Xylenes	11.83	106	134998	18.029	ug/l	93
69) o-Xylene	12.16	106	86551	12.513	ug/l	96
73) Isopropylbenzene	12.46	105	42261	4.170	ug/l	100
78) n-propylbenzene	12.80	91	35876	3.011	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	83815	9.851	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	178615	21.095	ug/l	99
85) sec-Butylbenzene	13.38	105	10358	1.005	ug/l #	68
86) p-Isopropyltoluene	13.50	119	19736	2.100	ug/l	96
95) Naphthalene	15.36	128	1798523	388.216	ug/l	100

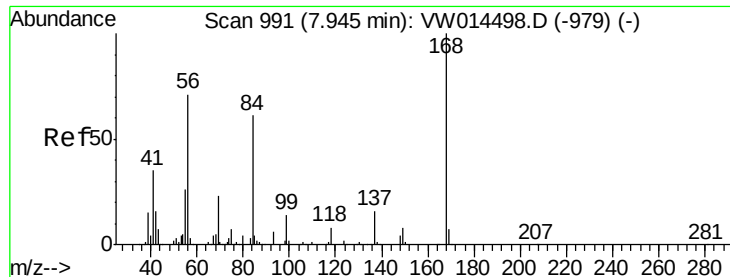
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

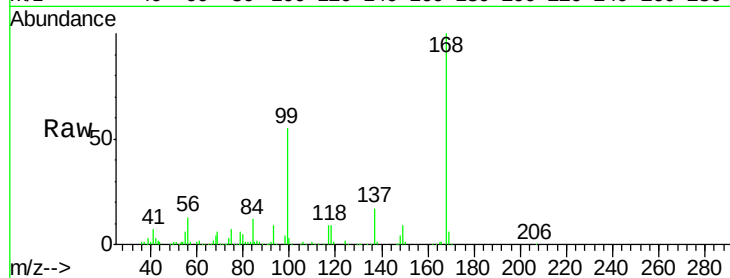
CTY-SB-01-6-7

Tot Ion:168 Resp: 472557

Ion Ratio Lower Upper

168 100

99 55.2 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

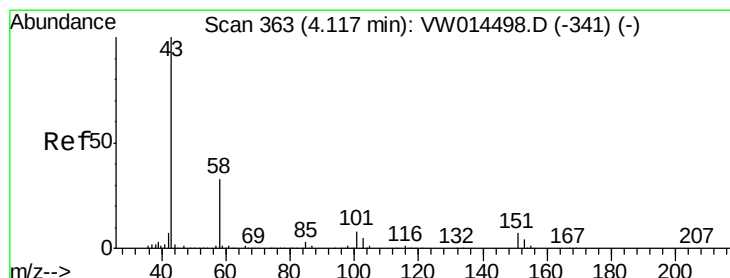
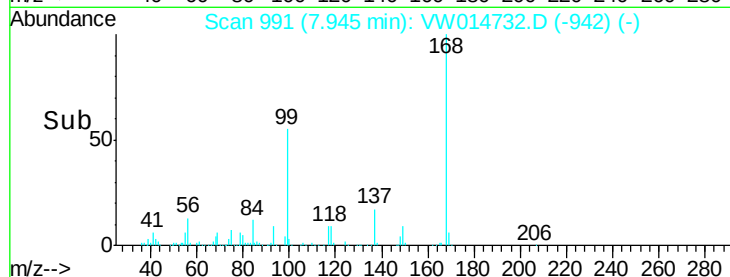
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 22.232 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014732.D

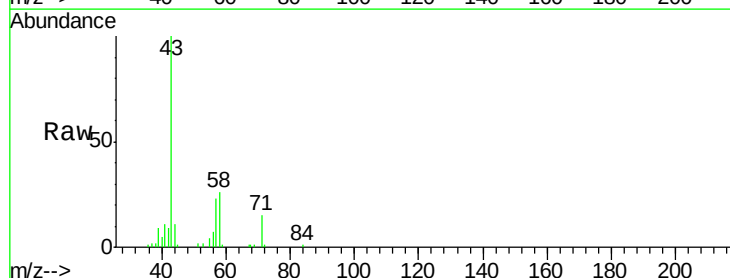
Acq: 23 Jan 2020 18:47

Tgt Ion: 43 Resp: 25937

Ion Ratio Lower Upper

43 100

58 24.6 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

10000

8000

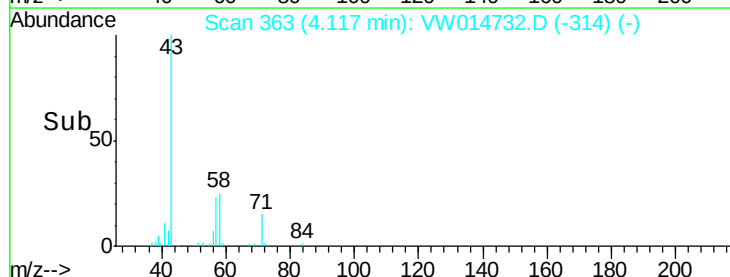
6000

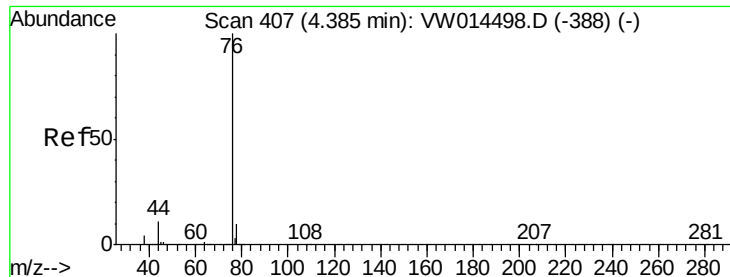
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 4.406 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

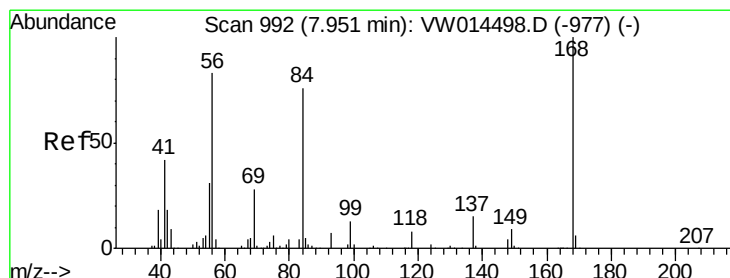
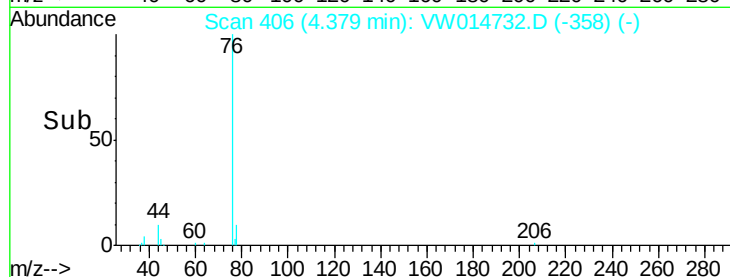
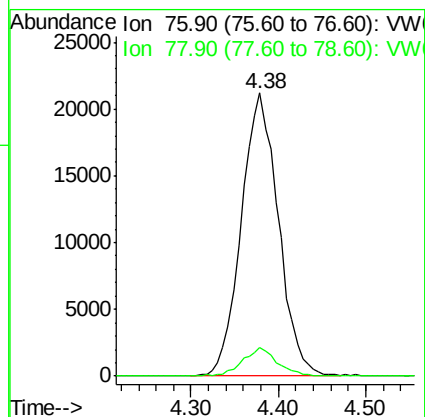
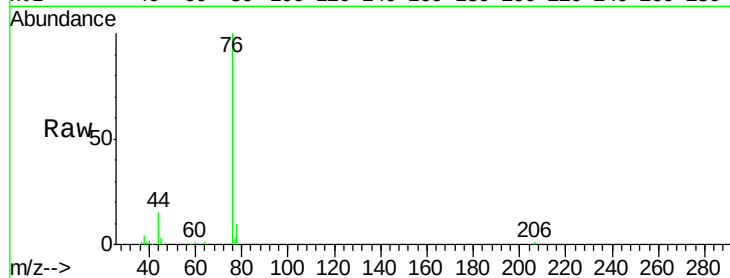
CTY-SB-01-6-7

Tot Ion: 76 Resp: 62451

Ion Ratio Lower Upper

76 100

78 10.1 7.8 11.6



#31

Cyclohexane

Concen: 8.726 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

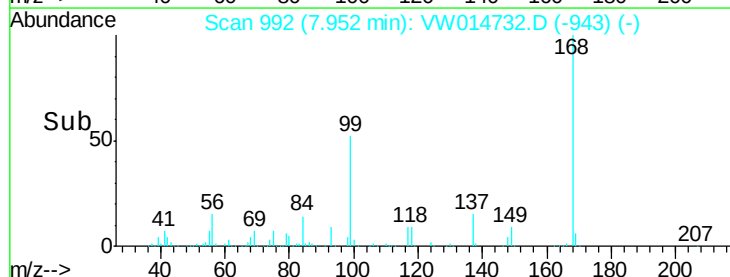
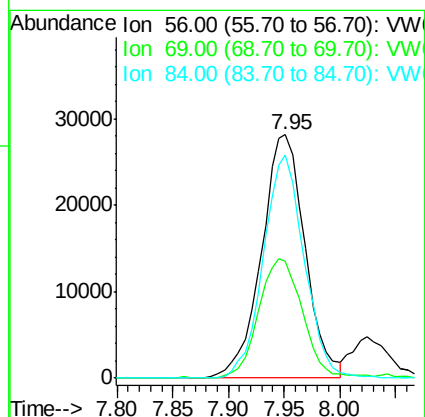
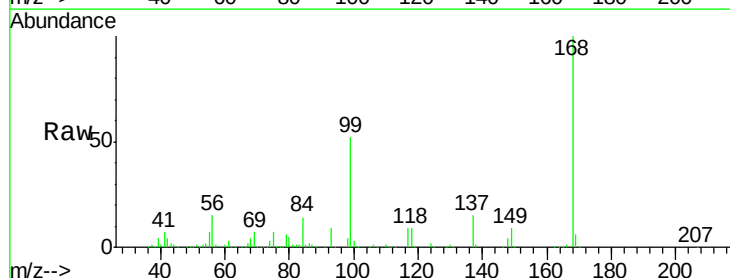
Tgt Ion: 56 Resp: 76946

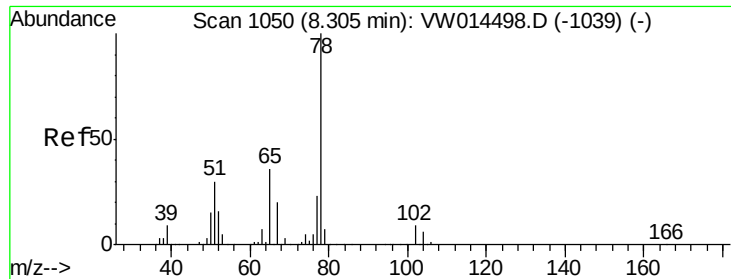
Ion Ratio Lower Upper

56 100

69 48.1 26.8 40.2#

84 91.5 71.8 107.6

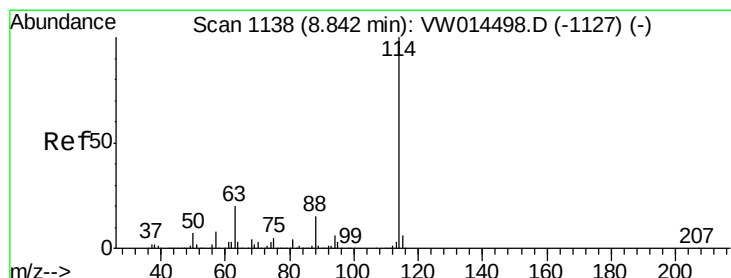
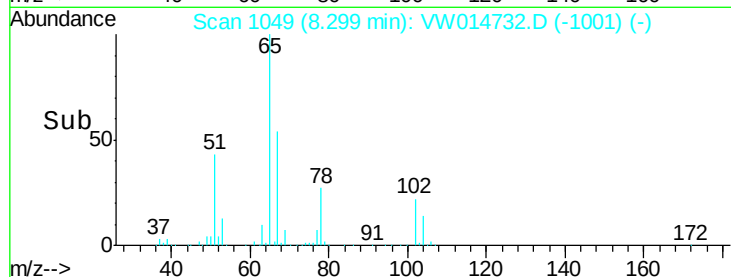
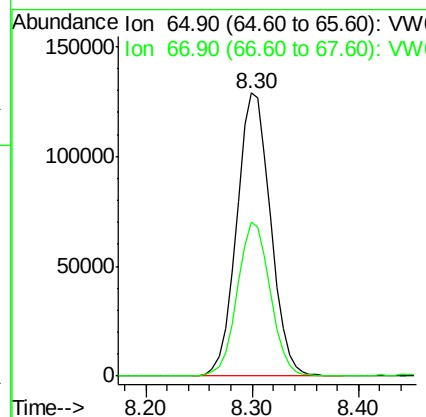
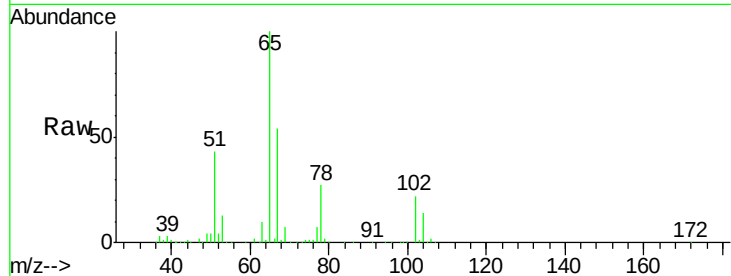




#33
 1,2-Dichloroethane-d4
 Concen: 69.513 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

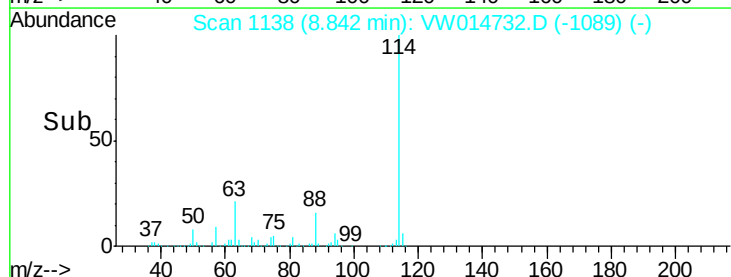
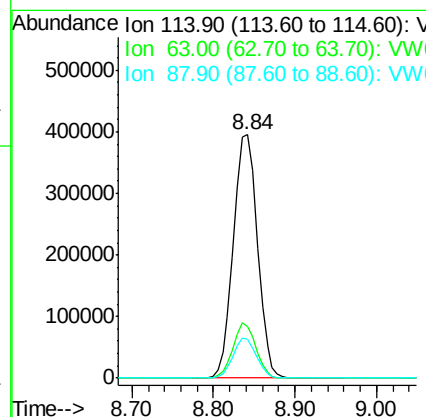
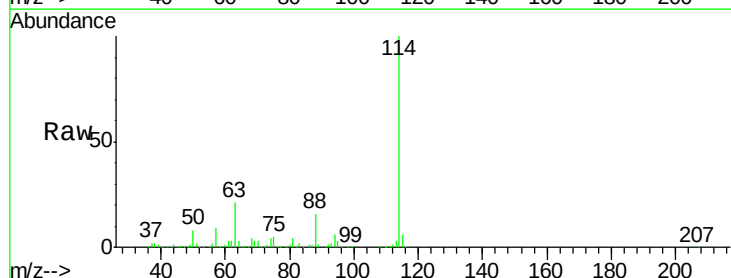
Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-01-6-7

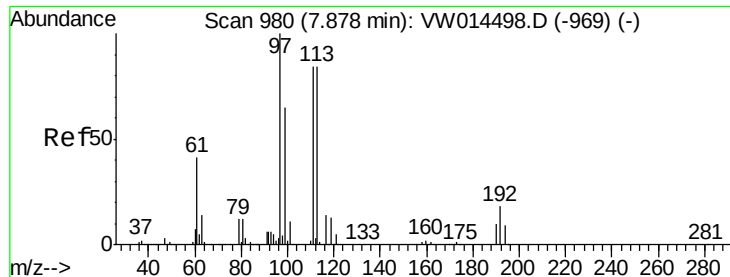
Tot Ion: 65 Resp: 287204
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Tgt Ion: 114 Resp: 803387
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.4
 88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 1.963 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

CTY-SB-01-6-7

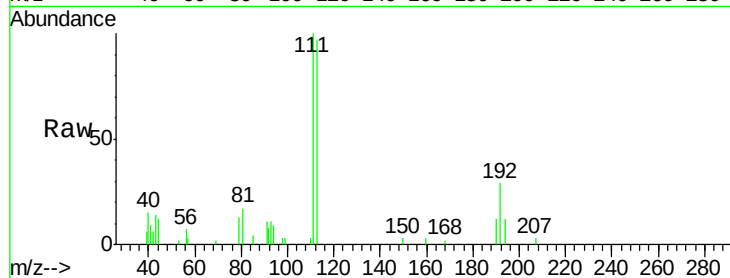
Tot Ion:113 Resp: 9015

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

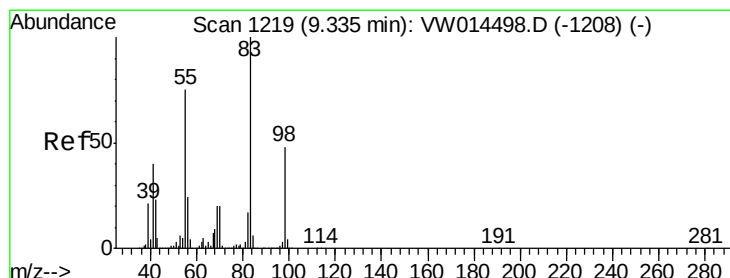
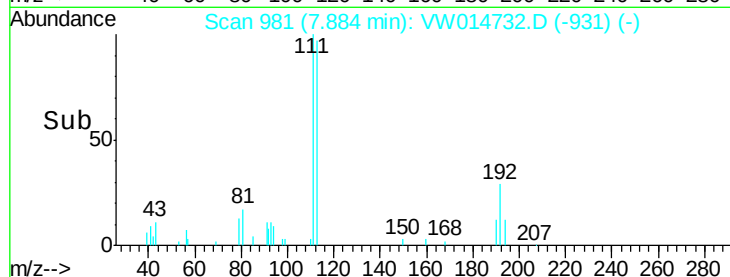
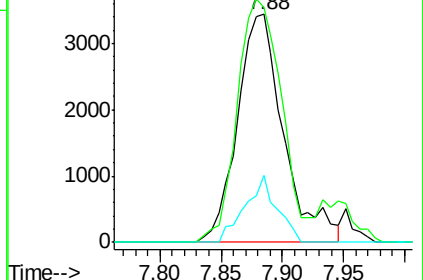
192 20.2 17.8 26.8



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: 11.936 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

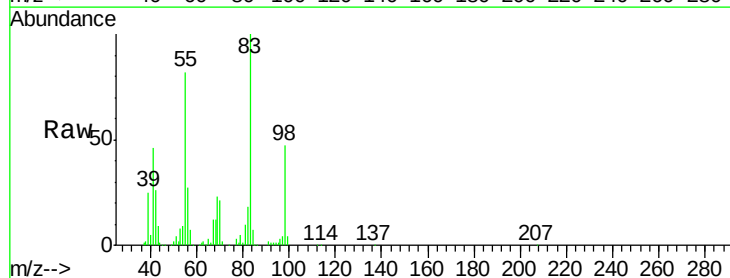
Tgt Ion: 83 Resp: 118634

Ion Ratio Lower Upper

83 100

55 81.8 60.1 90.1

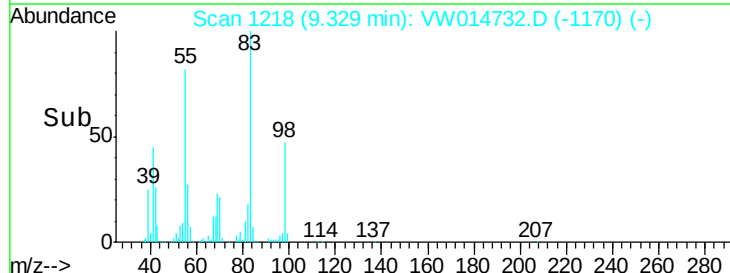
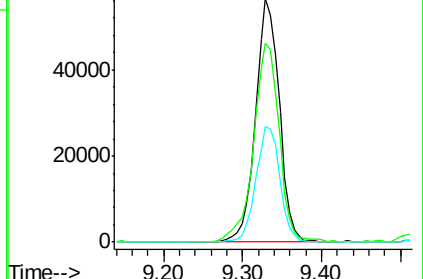
98 47.4 38.8 58.2

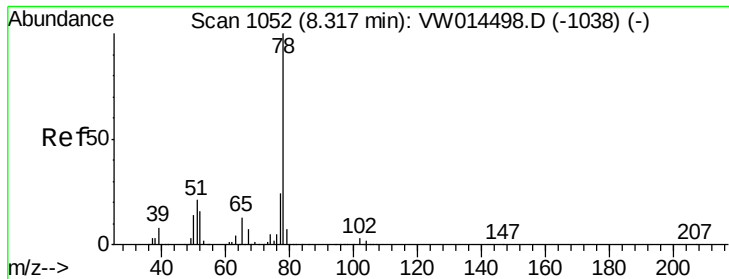


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 9.317 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

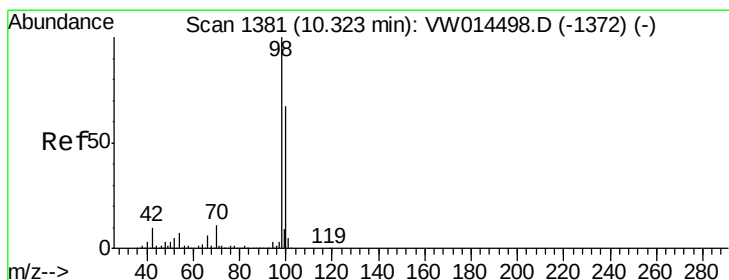
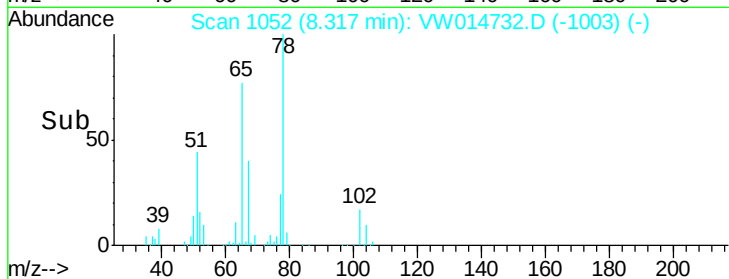
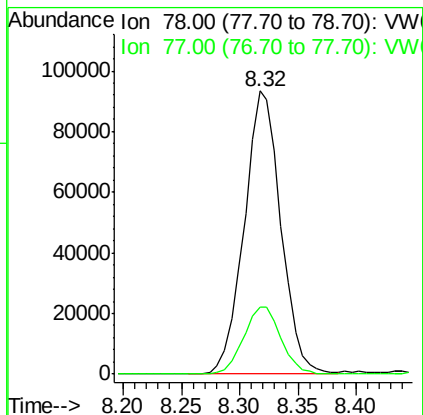
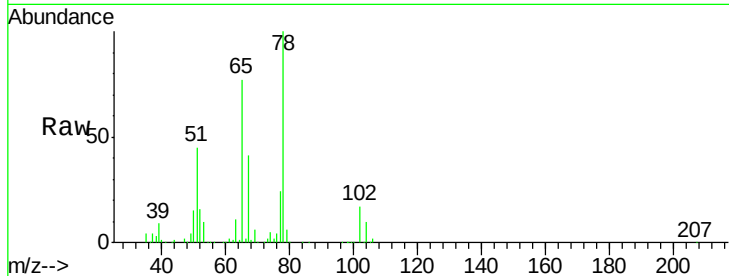
CTY-SB-01-6-7

Tot Ion: 78 Resp: 204164

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9



#50

Toluene-d8

Concen: 40.807 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014732.D

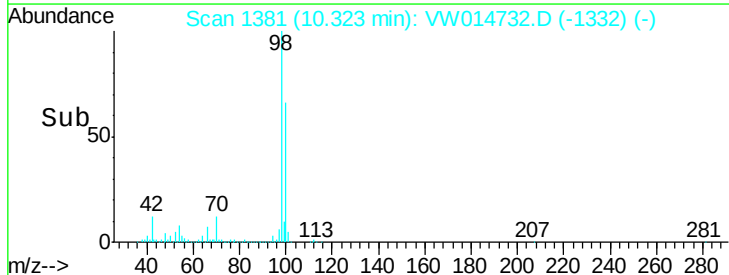
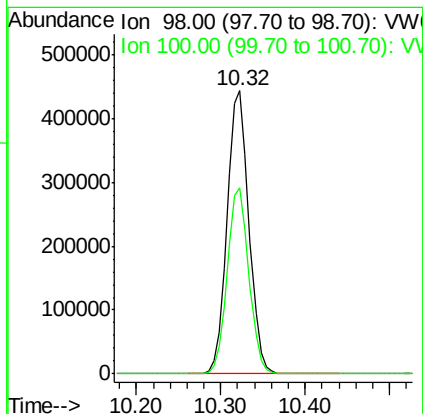
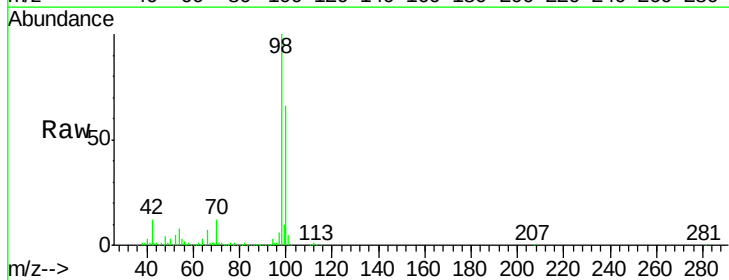
Acq: 23 Jan 2020 18:47

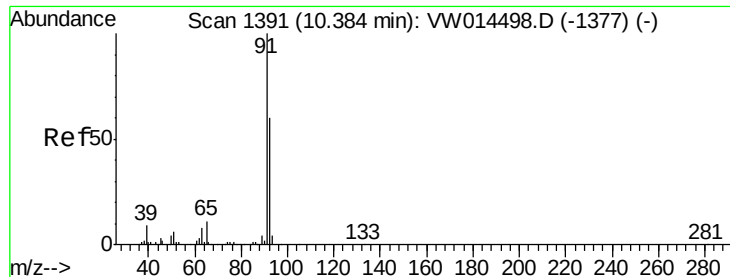
Tgt Ion: 98 Resp: 781923

Ion Ratio Lower Upper

98 100

100 65.0 53.8 80.6





#52

Toluene

Concen: 5.599 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

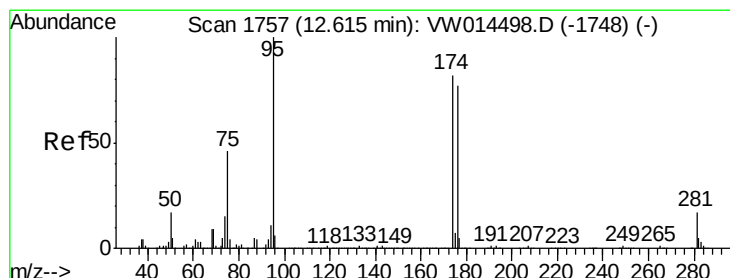
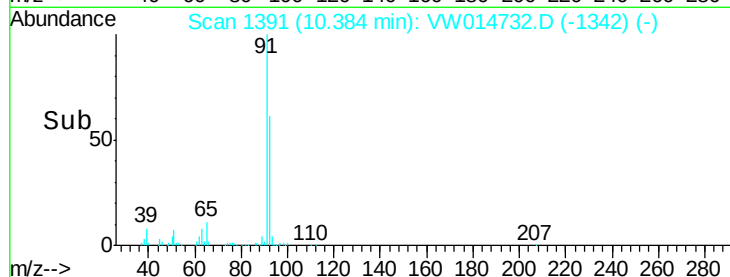
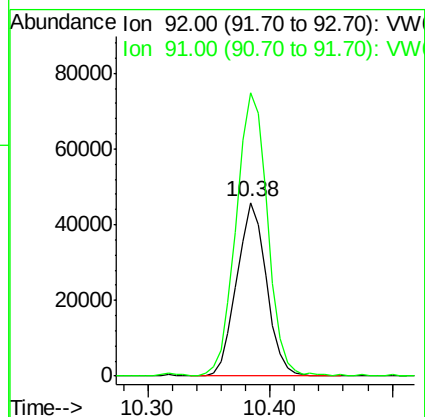
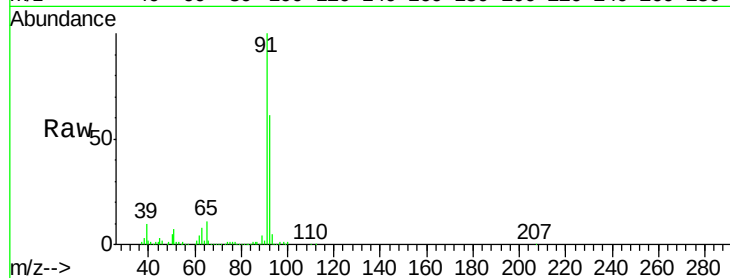
CTY-SB-01-6-7

Tot Ion: 92 Resp: 77186

Ion Ratio Lower Upper

92 100

91 171.2 134.1 201.1



#62

4-Bromofluorobenzene

Concen: 26.920 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

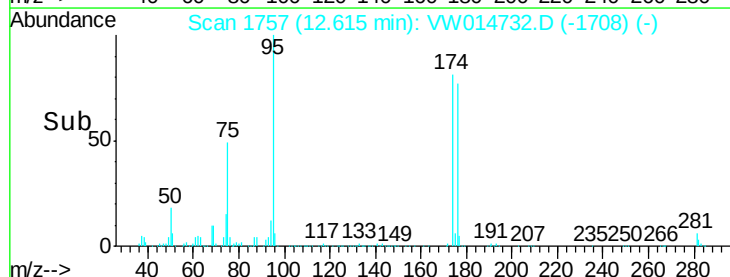
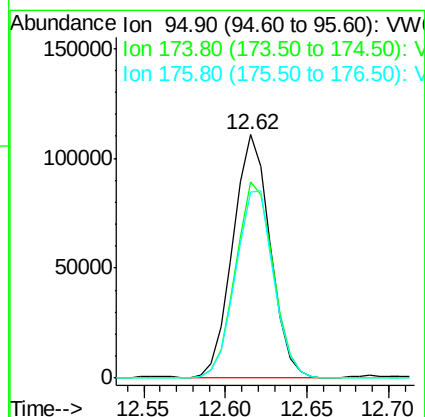
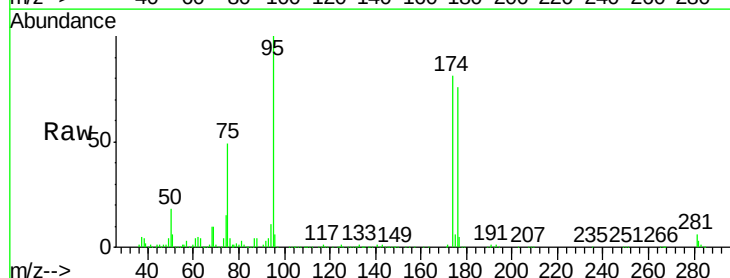
Tgt Ion: 95 Resp: 174965

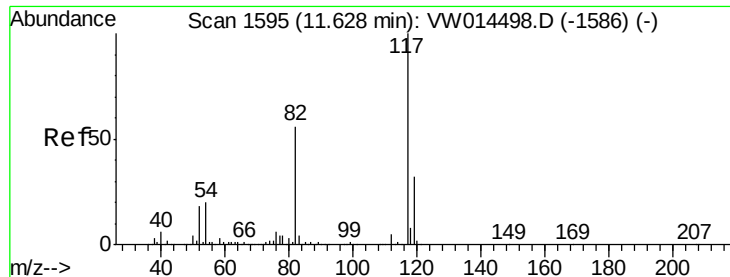
Ion Ratio Lower Upper

95 100

174 82.9 0.0 168.6

176 79.5 0.0 162.0

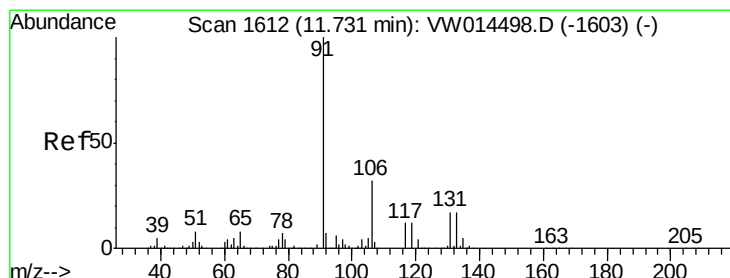
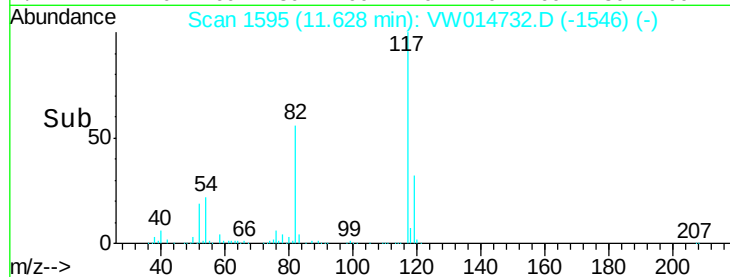
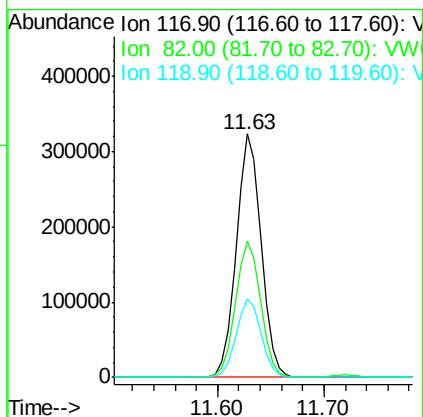
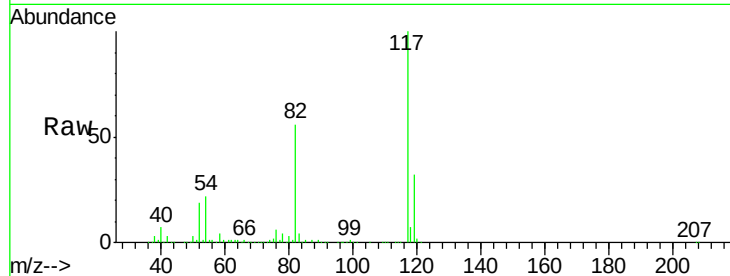




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014732.D
Acq: 23 Jan 2020 18:47

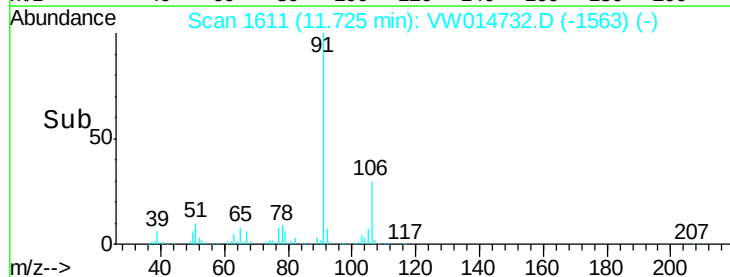
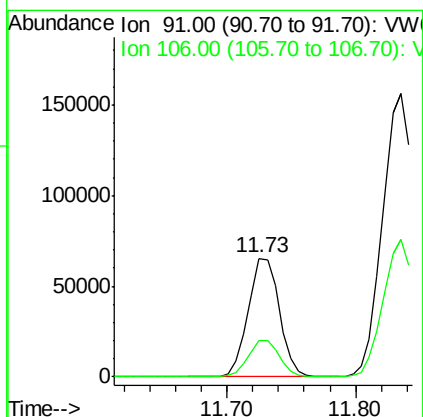
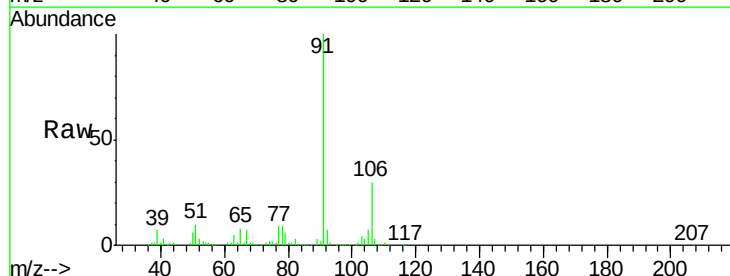
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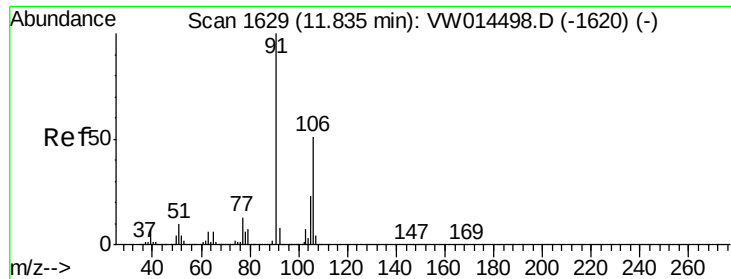
Tot Ion:117 Resp: 529911
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 5.623 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014732.D
Acq: 23 Jan 2020 18:47

Tgt Ion: 91 Resp: 110015
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3

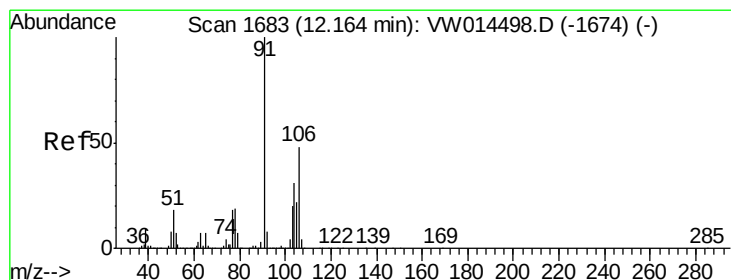
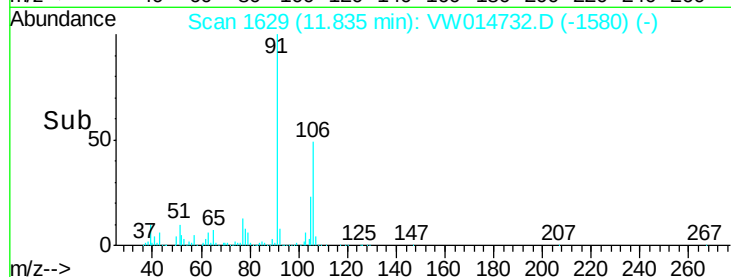
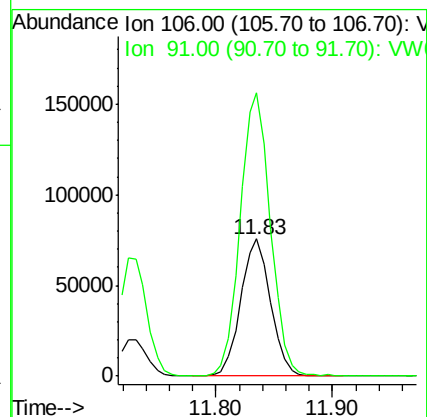
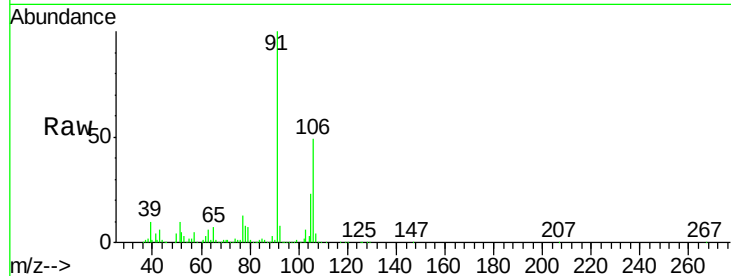




#68
m/p-Xylenes
Concen: 18.029 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014732.D
Acq: 23 Jan 2020 18:47

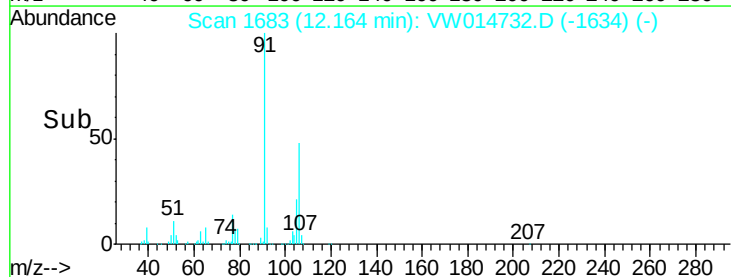
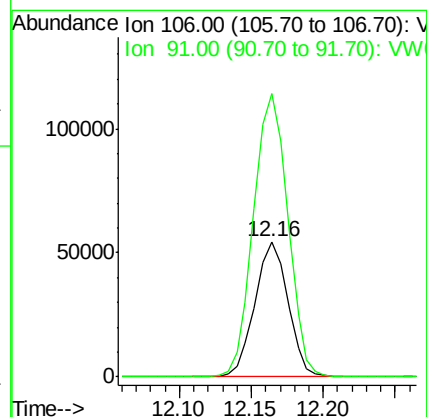
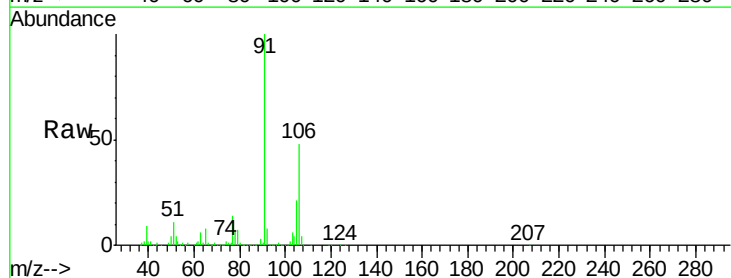
Instrument :
MSVOA_W
ClientSampleId :
CTY-SB-01-6-7

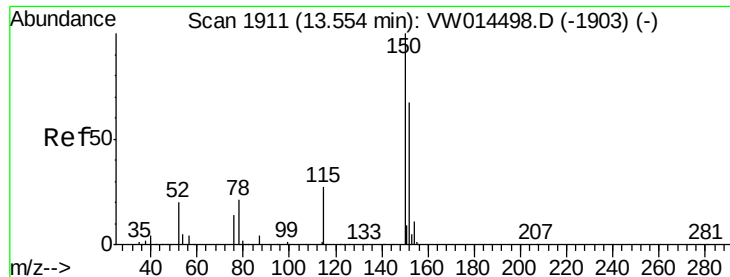
Tot Ion:106 Resp: 134998
Ion Ratio Lower Upper
106 100
91 209.0 159.0 238.6



#69
o-Xylene
Concen: 12.513 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014732.D
Acq: 23 Jan 2020 18:47

Tgt Ion:106 Resp: 86551
Ion Ratio Lower Upper
106 100
91 216.9 105.2 315.6

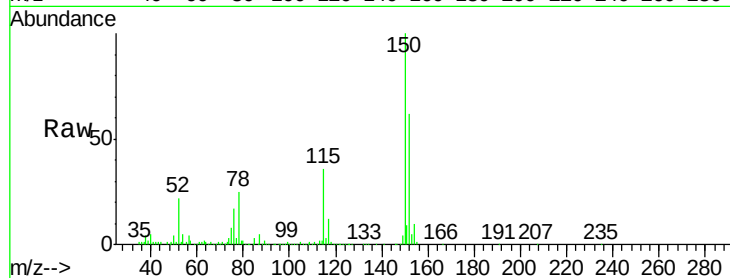




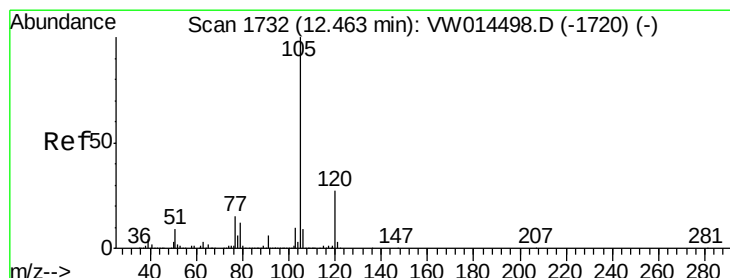
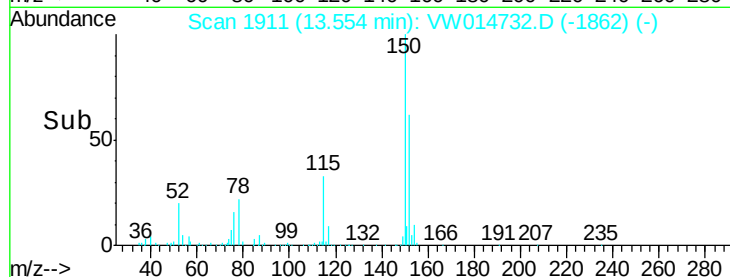
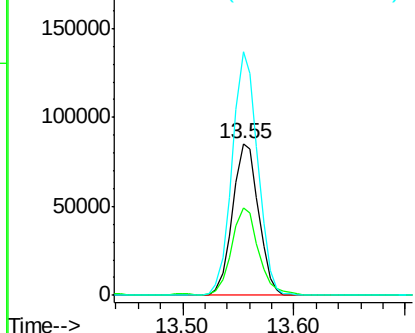
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-01-6-7

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	27.7	83.1
150	157.3	0.0	343.4

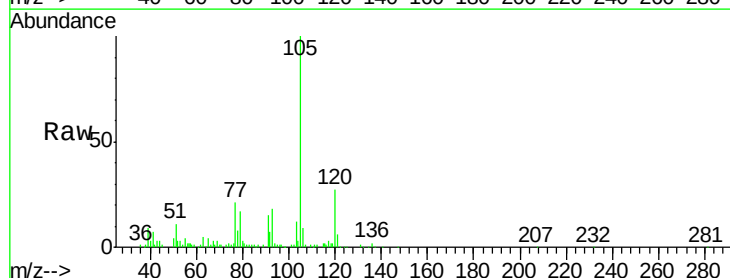


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

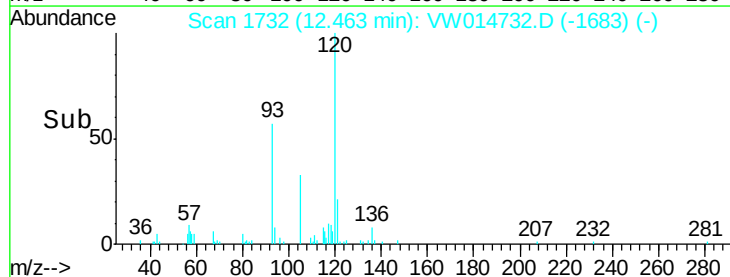
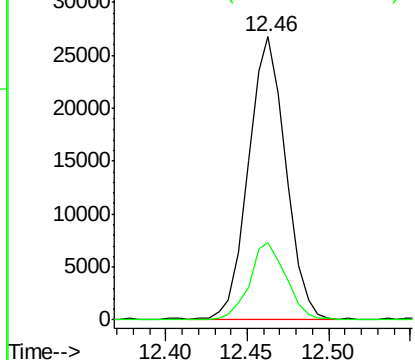


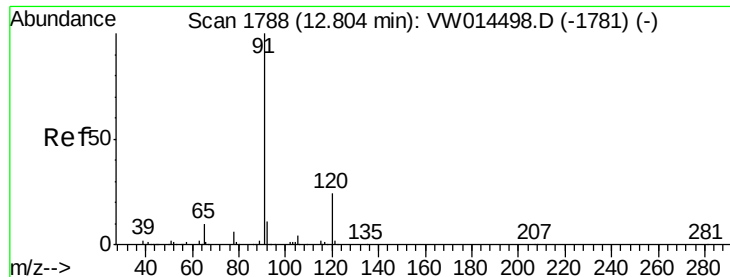
#73
 Isopropylbenzene
 Concen: 4.170 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1



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





#78

n-propylbenzene

Concen: 3.011 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014732.D

Acq: 23 Jan 2020 18:47

Instrument :

MSVOA_W

ClientSampleId :

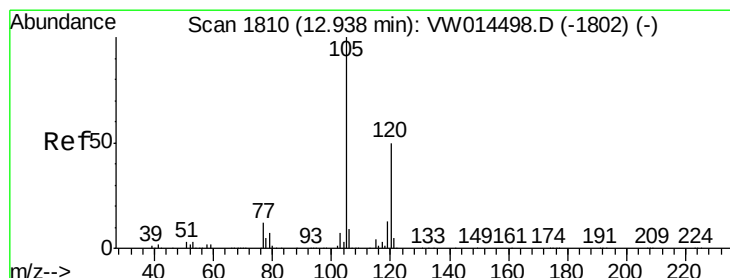
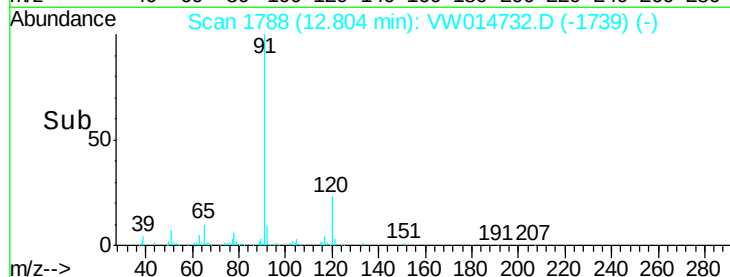
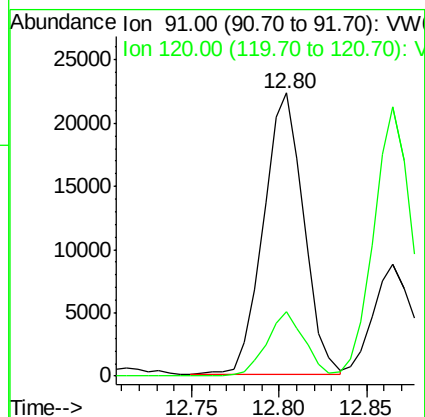
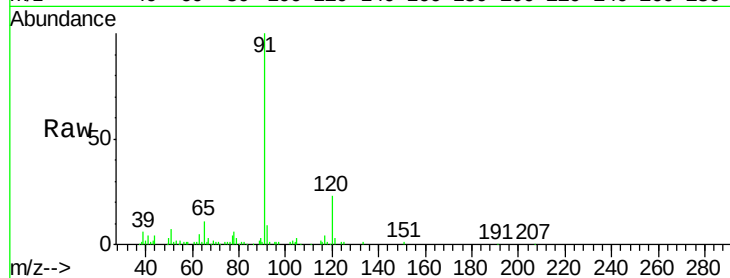
CTY-SB-01-6-7

Tot Ion: 91 Resp: 35876

Ion Ratio Lower Upper

91 100

120 21.4 11.7 35.1



#80

1,3,5-Trimethylbenzene

Concen: 9.851 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014732.D

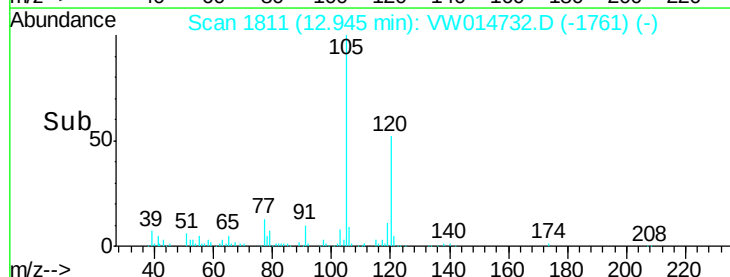
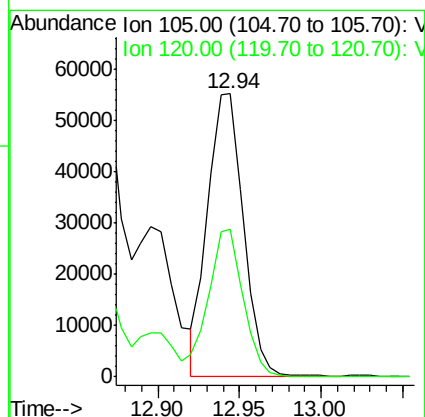
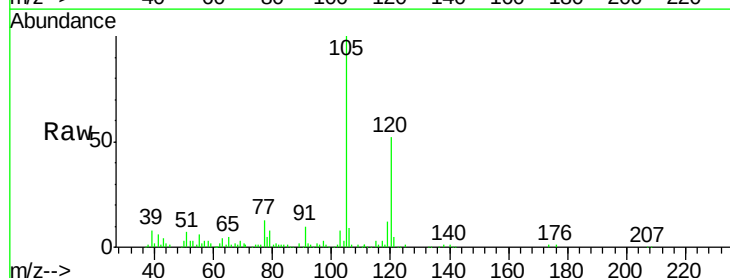
Acq: 23 Jan 2020 18:47

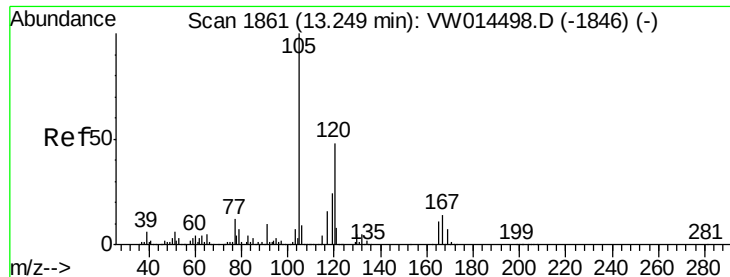
Tgt Ion: 105 Resp: 83815

Ion Ratio Lower Upper

105 100

120 52.1 25.2 75.6

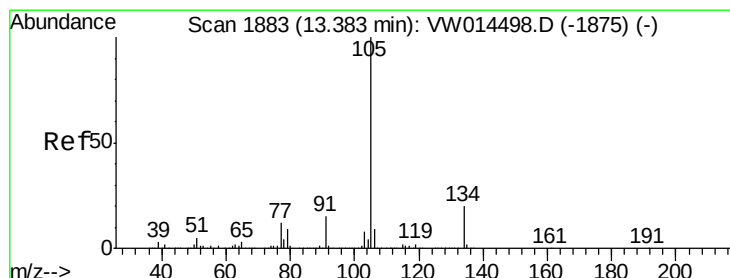
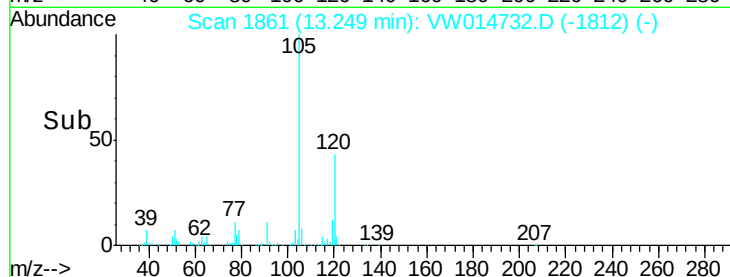
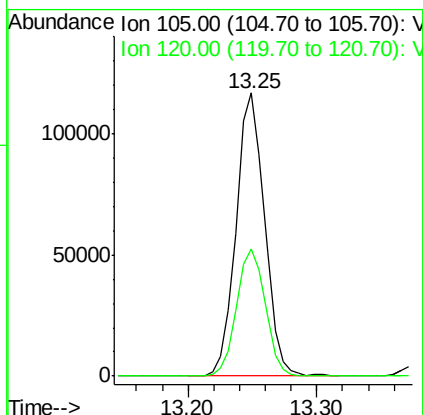
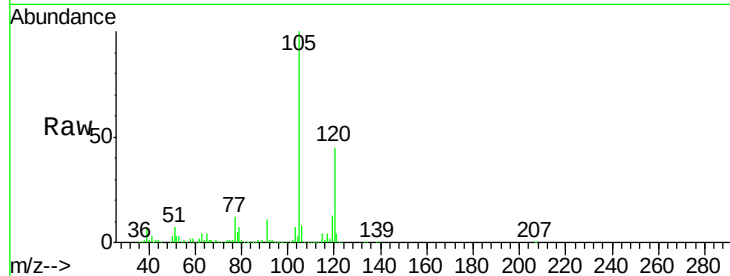




#84
 1,2,4-Trimethylbenzene
 Concen: 21.095 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

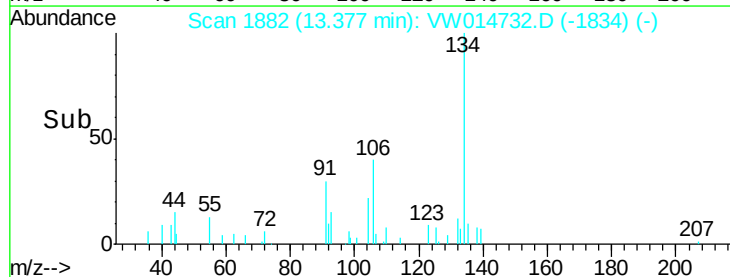
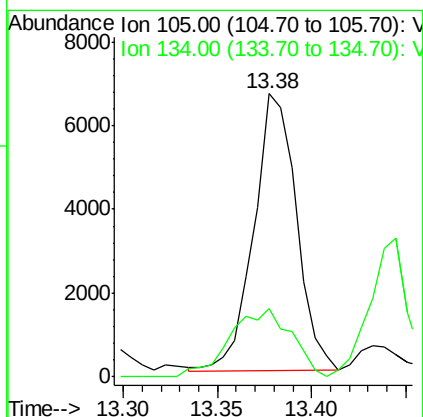
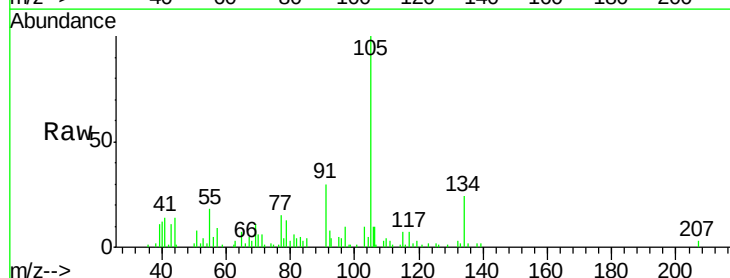
Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-01-6-7

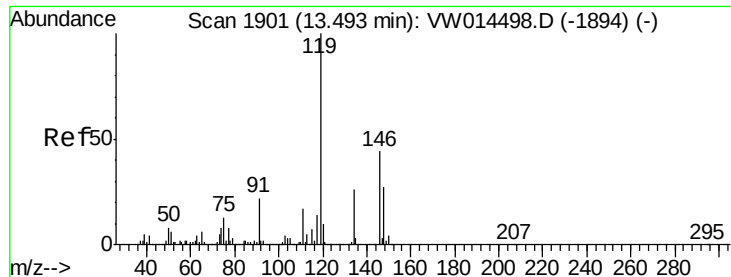
Tot Ion:105 Resp: 178615
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.4 70.0



#85
 sec-Butylbenzene
 Concen: 1.005 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Tgt Ion:105 Resp: 10358
 Ion Ratio Lower Upper
 105 100
 134 35.2 10.2 30.6#

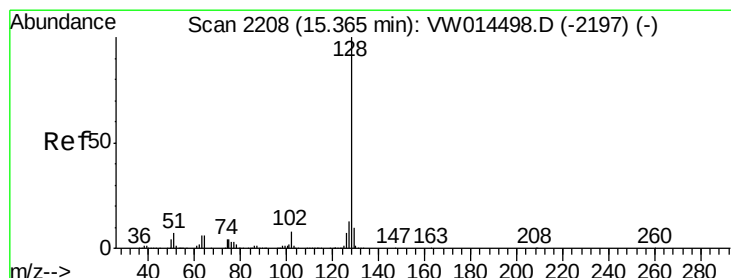
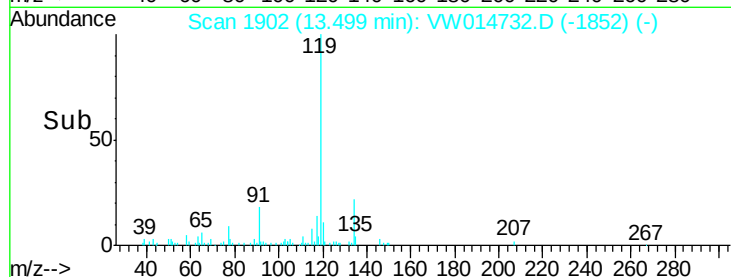
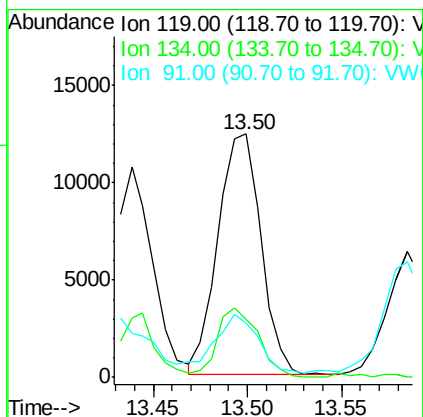
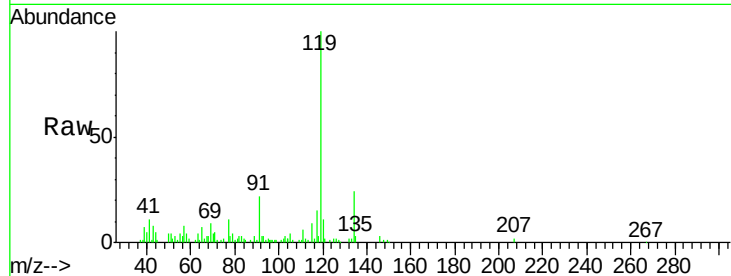




#86
 p-Isopropyltoluene
 Concen: 2.100 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Instrument :
 MSVOA_W
 ClientSampleId :
 CTY-SB-01-6-7

Tot Ion:119 Resp: 19736
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.2 39.5
 91 24.7 11.1 33.3



#95
 Naphthalene
 Concen: 388.216 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014732.D
 Acq: 23 Jan 2020 18:47

Tgt Ion:128 Resp: 1798523
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.9 8.7 13.1

