

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011519\
 Data File : VW008298.D
 Acq On : 15 Jan 2019 22:43
 Operator : SY/VA
 Sample : K1012-11
 Misc : 5.32G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-011518-C

Quant Time: Jan 16 03:28:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

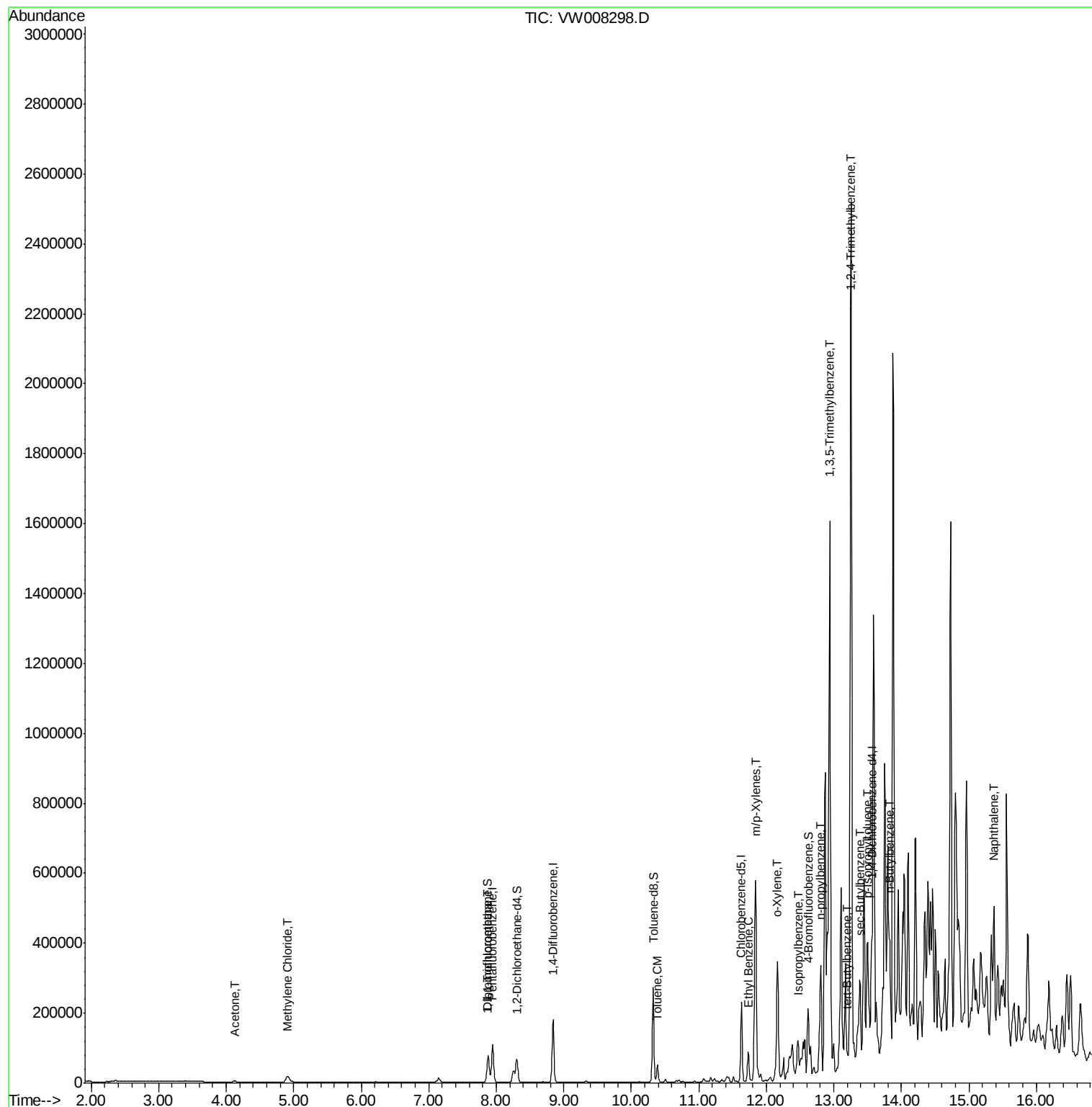
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	145245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47042	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	50570	59.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.74%	
35) Dibromofluoromethane	7.88	113	47191	55.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.42%	
50) Toluene-d8	10.32	98	177682	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.62	95	57586	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.38%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	7689	31.759	ug/l	95
20) Methylene Chloride	4.92	84	17230	17.413	ug/l	87
32) 1,1,1-Trichloroethane	7.87	97	10471	7.551	ug/l	99
52) Toluene	10.39	92	21360	8.242	ug/l	98
67) Ethyl Benzene	11.73	91	54680	11.370	ug/l	98
68) m/p-Xylenes	11.83	106	134589	73.320	ug/l	98
69) o-Xylene	12.17	106	90197	53.061	ug/l	98
73) Isopropylbenzene	12.47	105	60646	16.421	ug/l	100
78) n-propylbenzene	12.80	91	237117	52.399	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	307201	101.221	ug/l	96
83) tert-Butylbenzene	13.21	119	8232	3.066	ug/l	93
84) 1,2,4-Trimethylbenzene	13.26	105	1317443	420.884	ug/l	98
85) sec-Butylbenzene	13.39	105	137081	34.853	ug/l	82
86) p-Isopropyltoluene	13.50	119	128769	37.913	ug/l	98
89) n-Butylbenzene	13.83	91	172606m	51.889	ug/l	
95) Naphthalene	15.37	128	316832	183.705	ug/l	99

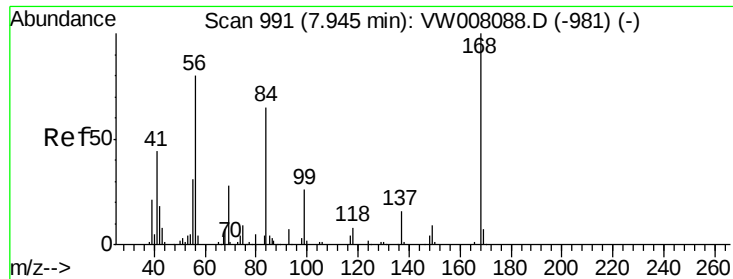
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

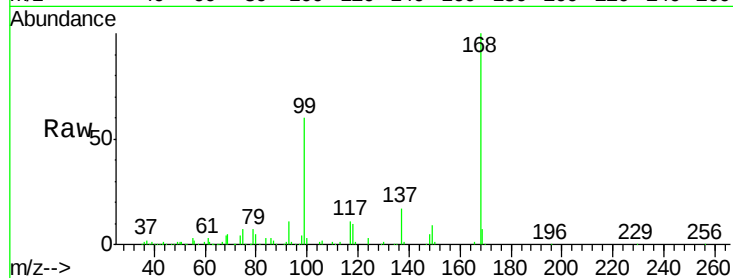
EO-01-011518-C

Tot Ion:168 Resp: 75783

Ion Ratio Lower Upper

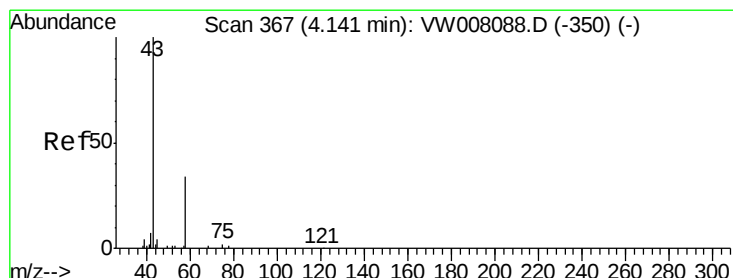
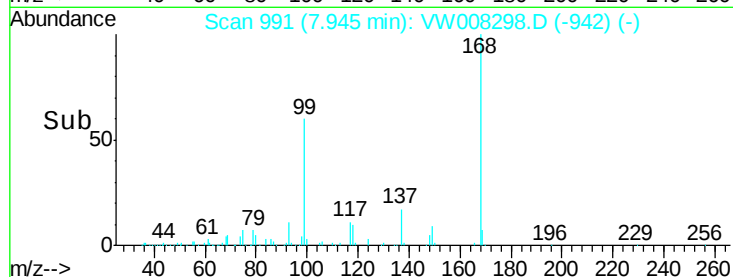
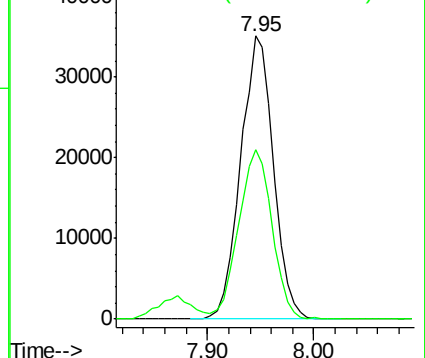
168 100

99 59.6 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 31.759 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW008298.D

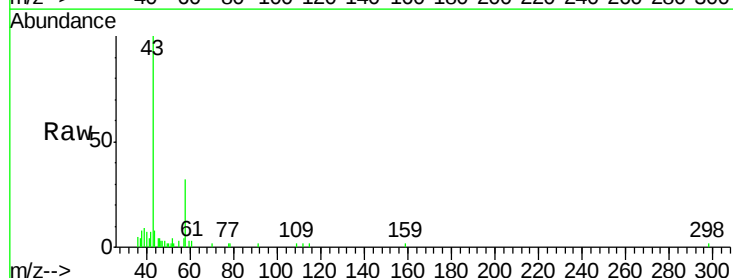
Acq: 15 Jan 2019 22:43

Tgt Ion: 43 Resp: 7689

Ion Ratio Lower Upper

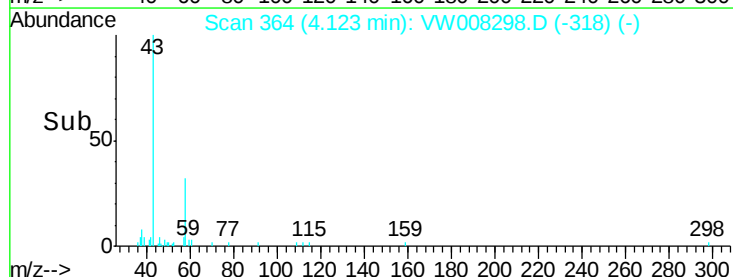
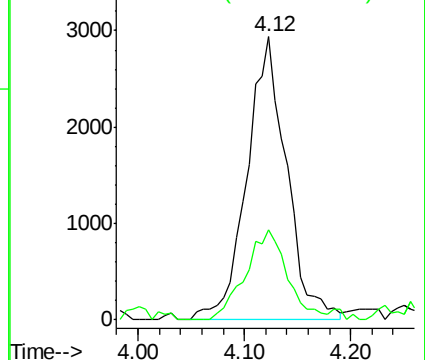
43 100

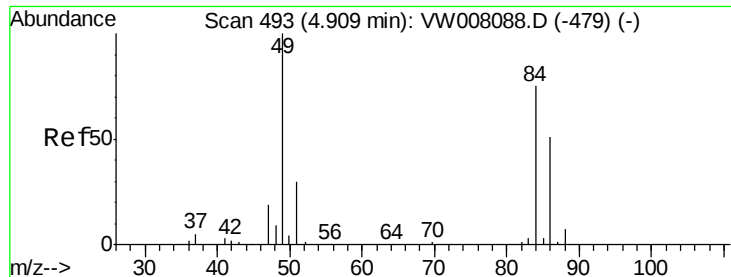
58 31.7 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

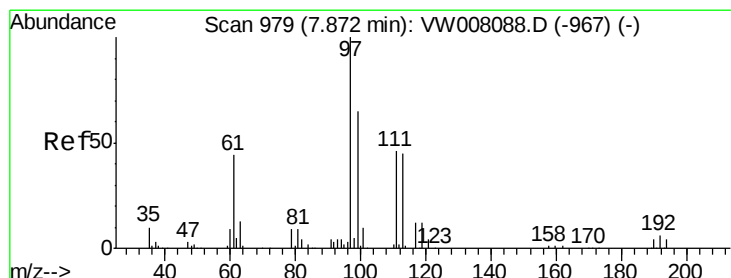
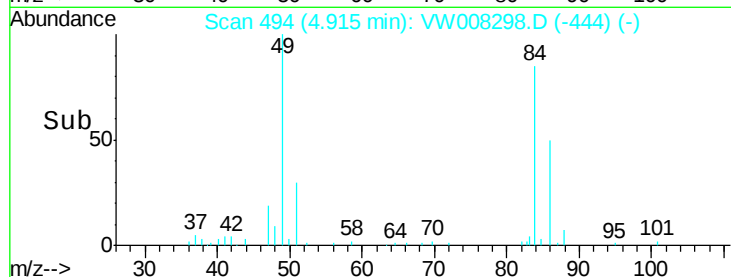
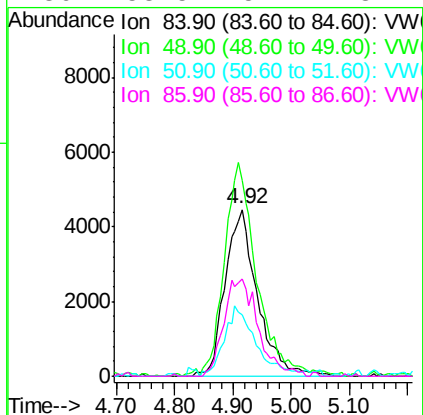
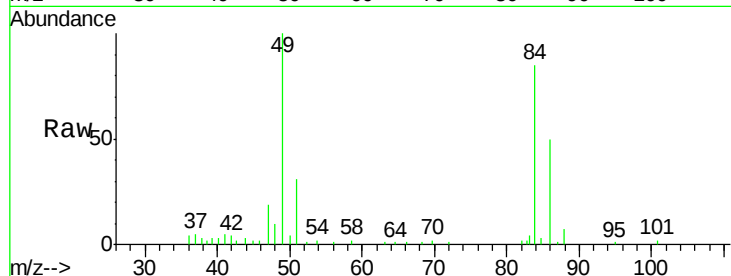




#20
Methylene Chloride
Concen: 17.413 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

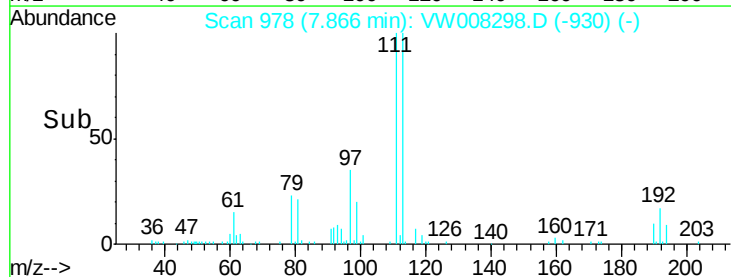
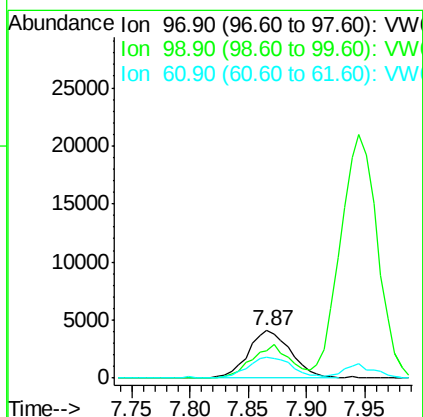
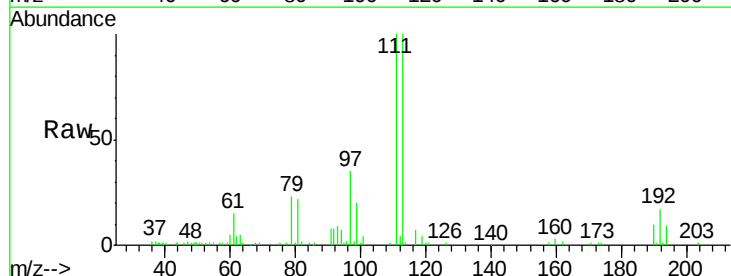
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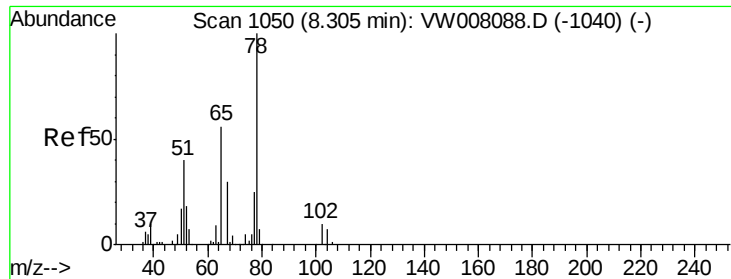
Tot Ion: 84 Resp: 17230
Ion Ratio Lower Upper
84 100
49 115.7 107.1 160.7
51 35.0 32.4 48.6
86 58.5 54.2 81.4



#32
1,1,1-Trichloroethane
Concen: 7.551 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

Tgt Ion: 97 Resp: 10471
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 45.7 35.6 53.4

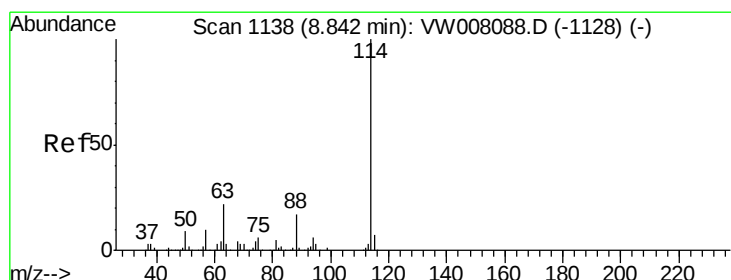
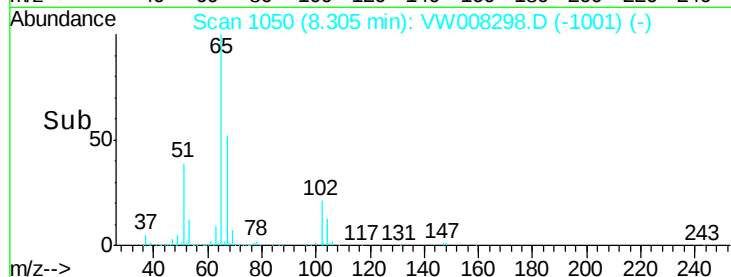
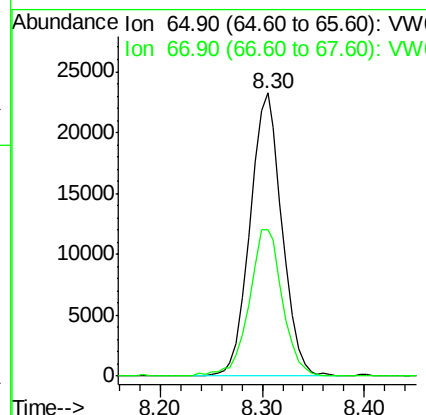
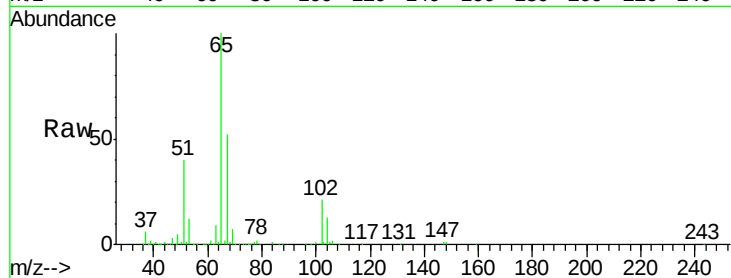




#33
 1,2-Dichloroethane-d4
 Concen: 59.373 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

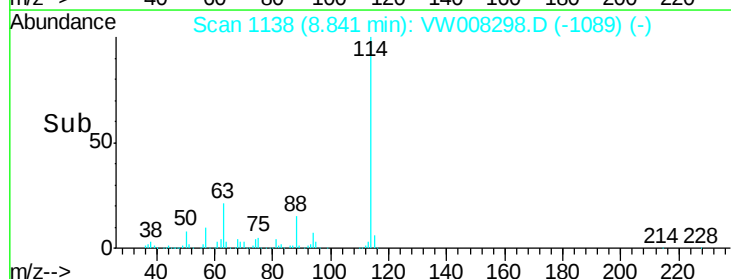
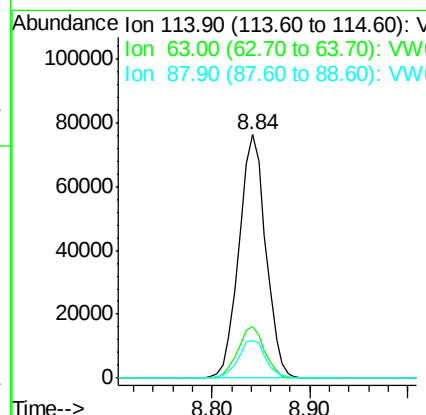
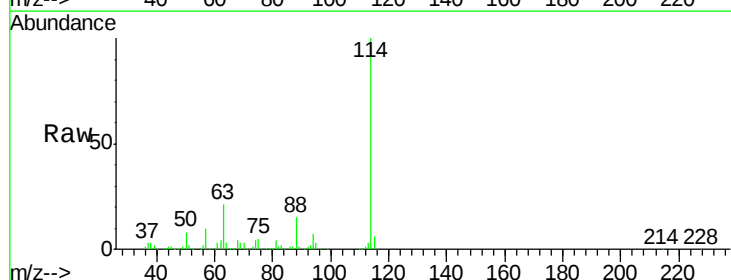
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 ClientSampleId :
 EO-01-011518-C

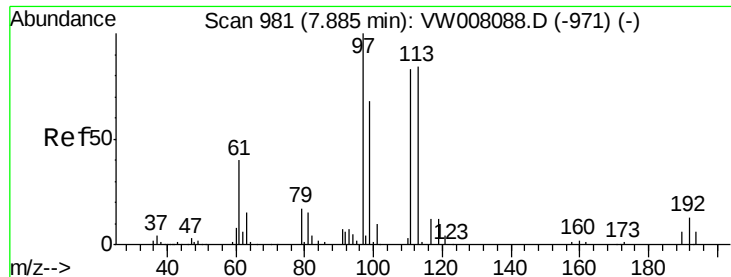
Tot Ion: 65 Resp: 50570
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

Tgt Ion: 114 Resp: 145245
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.4
 88 15.4 0.0 33.4

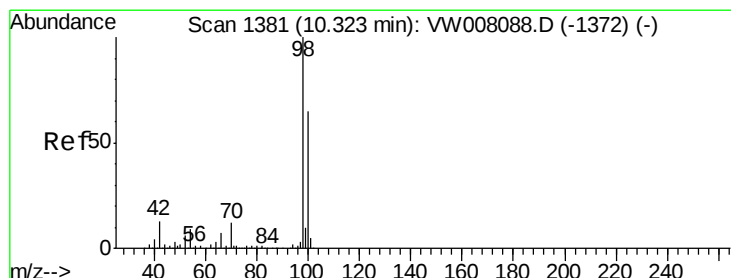
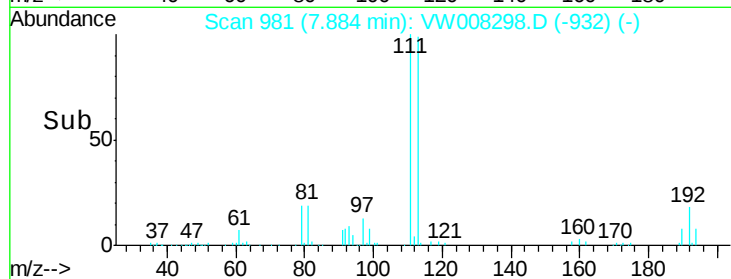
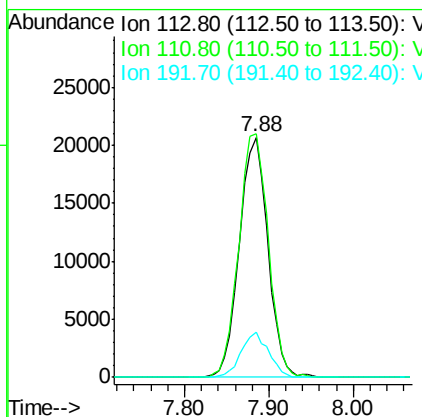
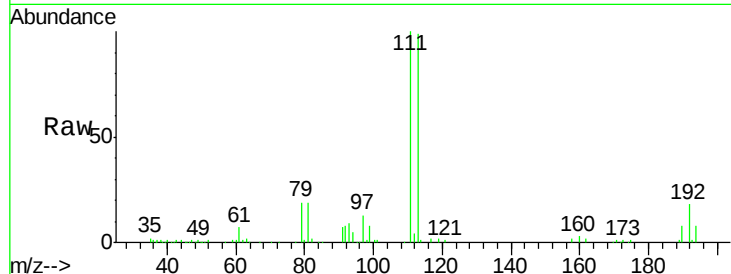




#35
 Dibromofluoromethane
 Concen: 55.707 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

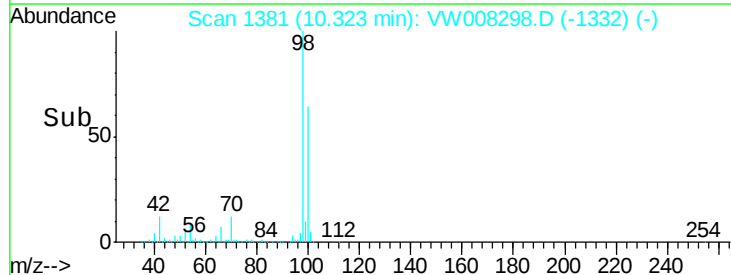
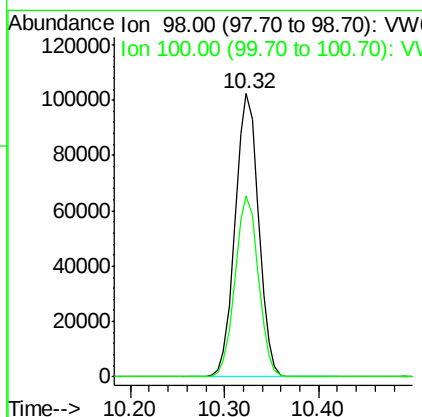
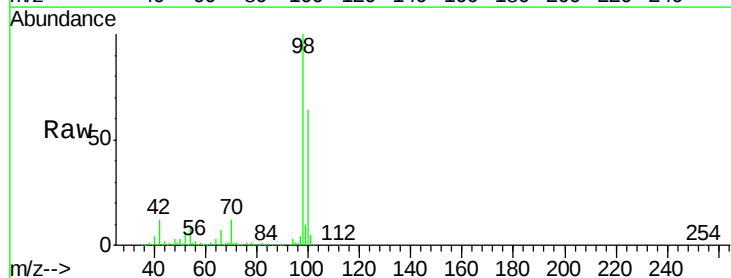
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-011518-C

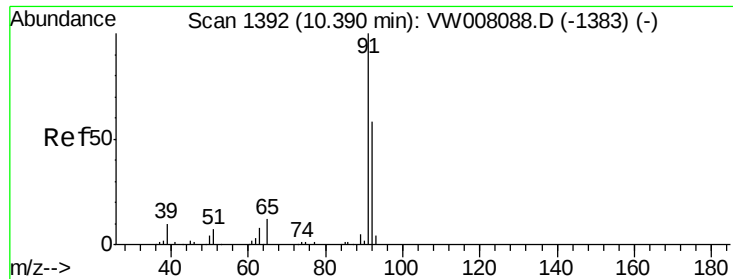
Tot Ion:113 Resp: 47191
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.8 122.8
 192 18.0 12.8 19.2



#50
 Toluene-d8
 Concen: 49.983 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

Tgt Ion: 98 Resp: 177682
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5





#52

Toluene

Concen: 8.242 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

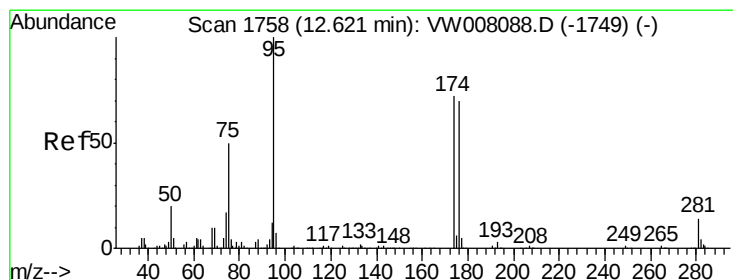
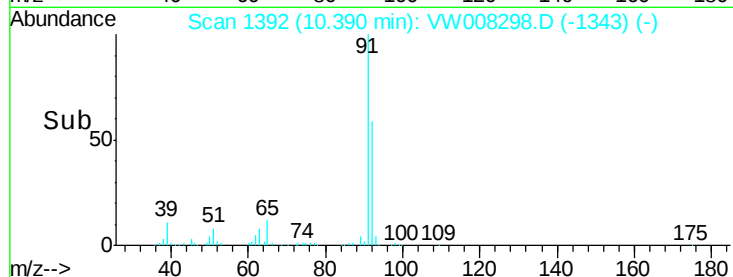
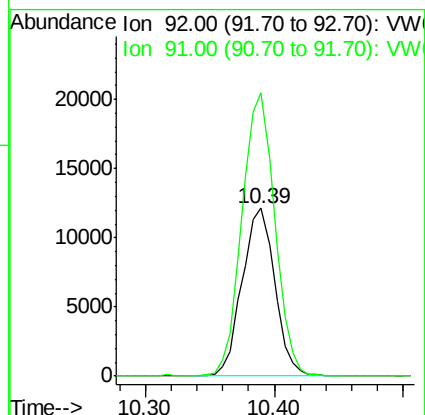
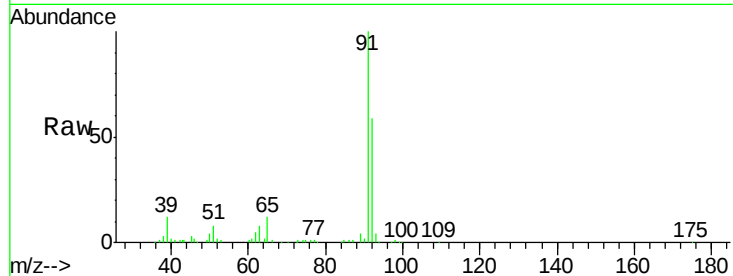
EO-01-011518-C

Tot Ion: 92 Resp: 21360

Ion Ratio Lower Upper

92 100

91 169.0 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 45.186 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

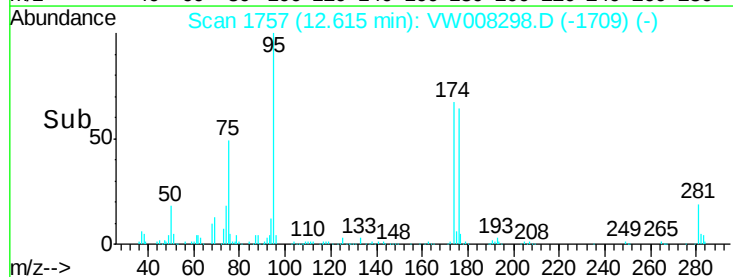
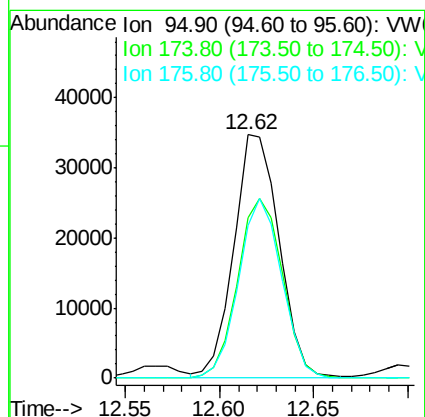
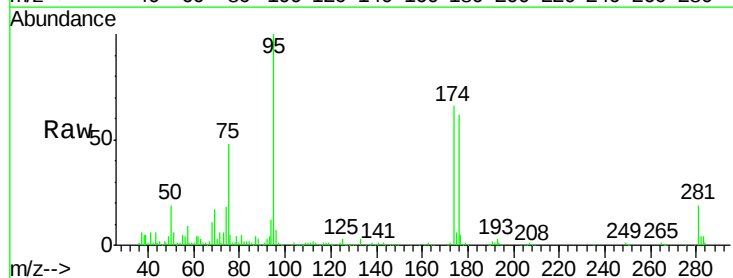
Tgt Ion: 95 Resp: 57586

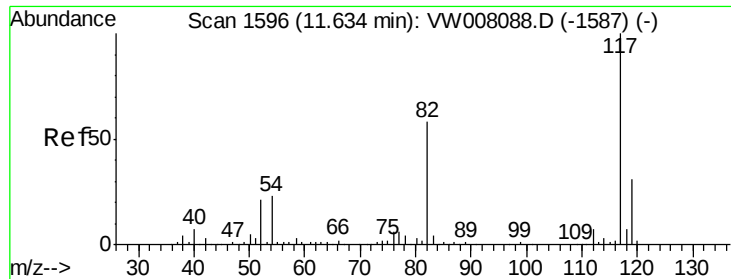
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.0

176 70.4 0.0 140.2

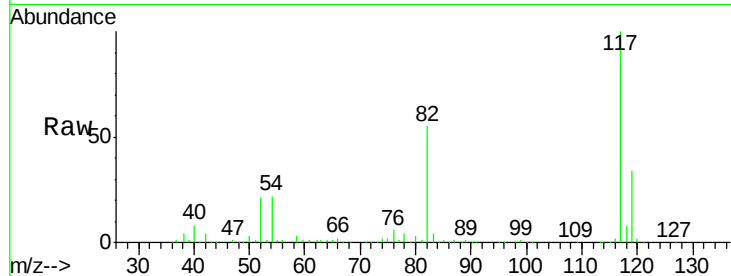




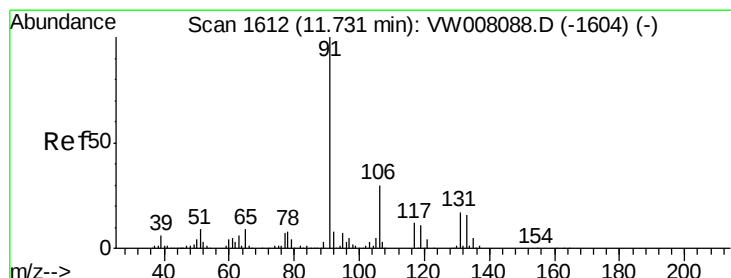
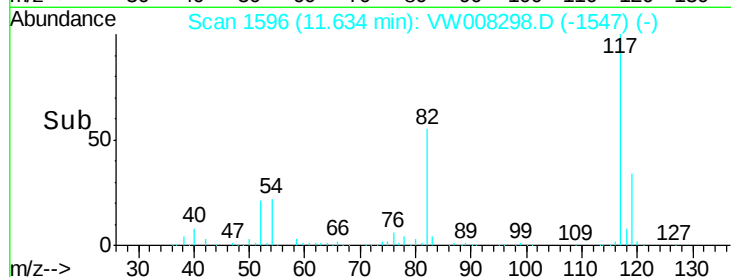
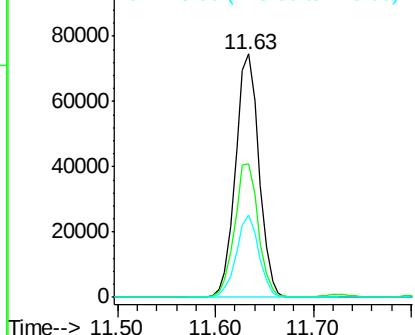
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

Instrument :
MSVOA_W
ClientSampleId :
EO-01-011518-C

Tot Ion:117 Resp: 124064
Ion Ratio Lower Upper
117 100
82 54.4 46.4 69.6
119 33.8 24.7 37.1

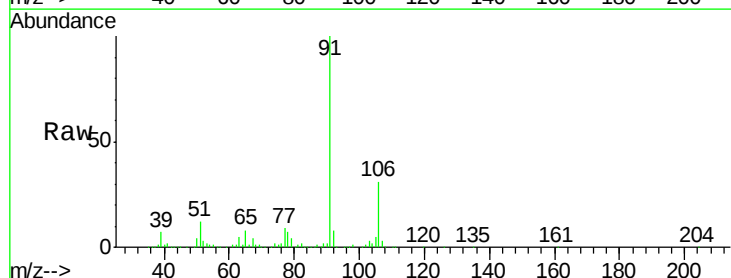


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

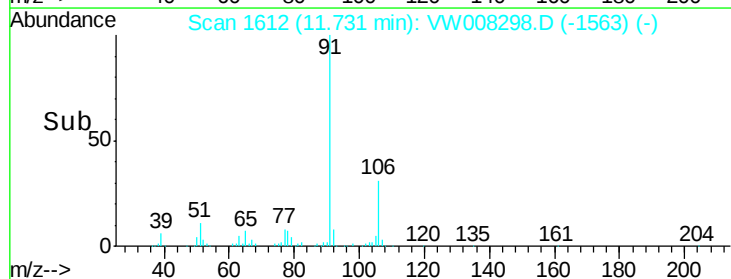
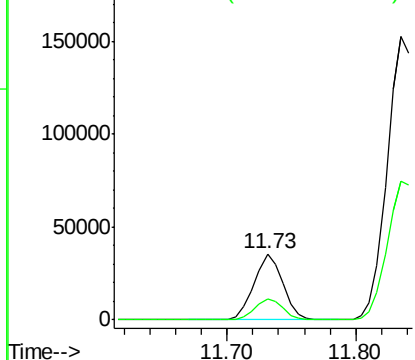


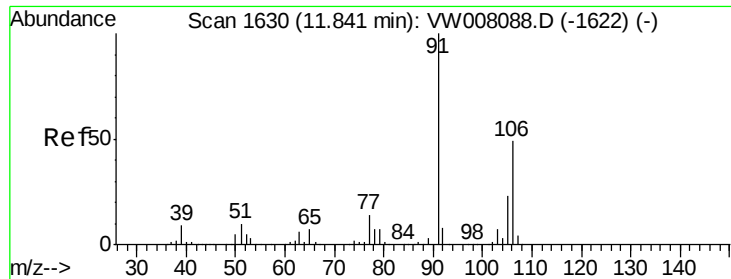
#67
Ethyl Benzene
Concen: 11.370 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

Tgt Ion: 91 Resp: 54680
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 106.00 (105.70 to 106.70): V

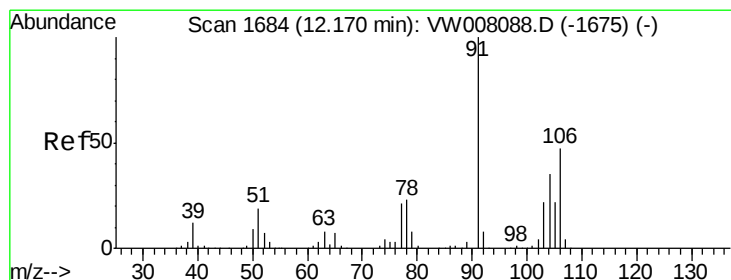
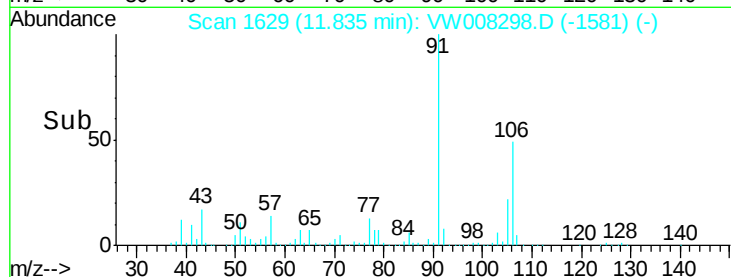
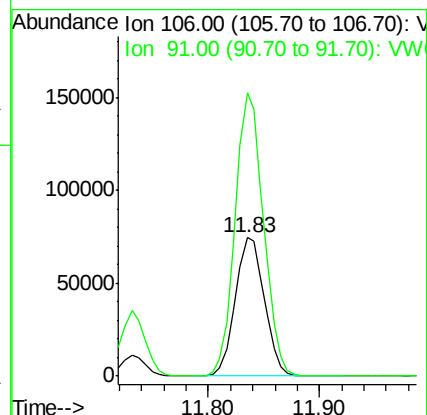
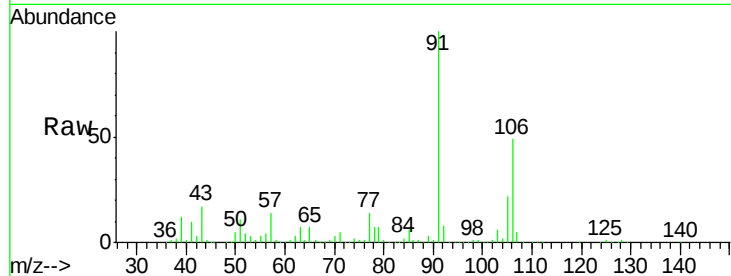




#68
m/p-Xylenes
Concen: 73.320 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

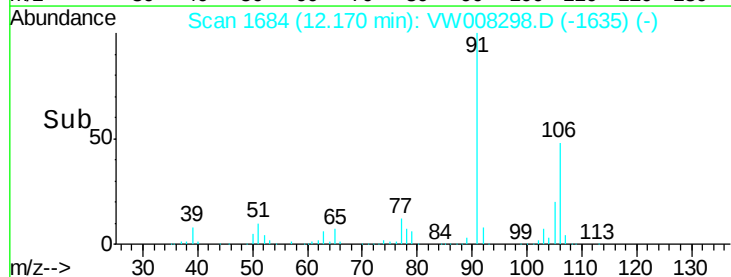
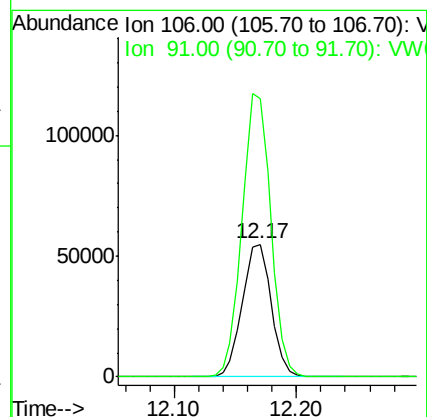
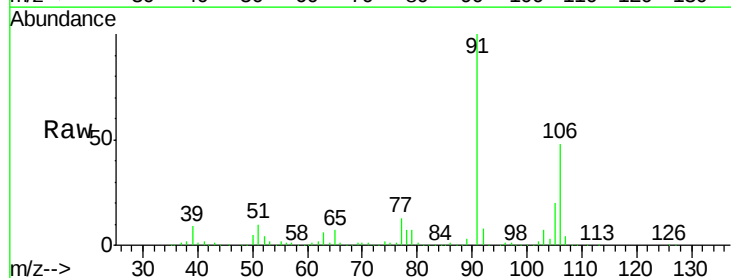
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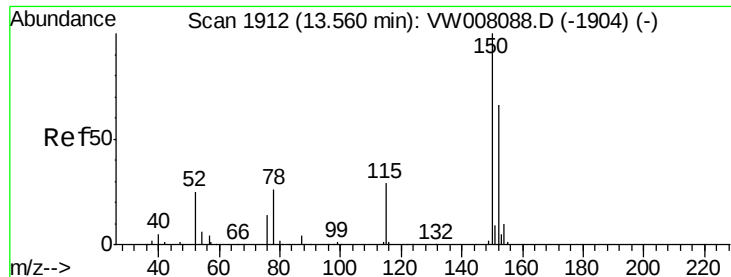
Tot Ion:106 Resp: 134589
Ion Ratio Lower Upper
106 100
91 199.6 162.4 243.6



#69
o-Xylene
Concen: 53.061 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

Tgt Ion:106 Resp: 90197
Ion Ratio Lower Upper
106 100
91 211.8 107.8 323.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

EO-01-011518-C

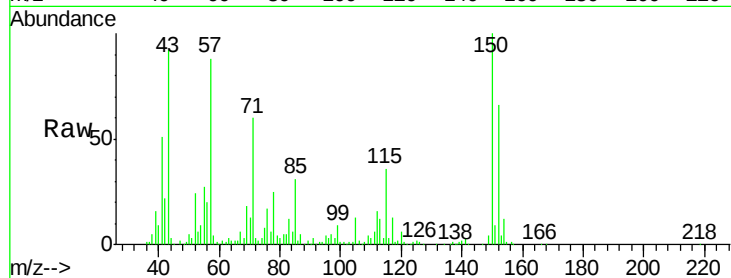
Tot Ion:152 Resp: 47042

Ion Ratio Lower Upper

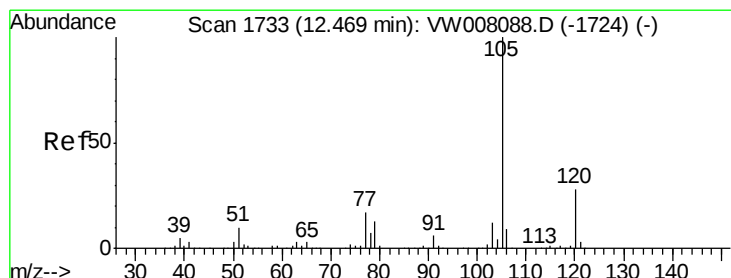
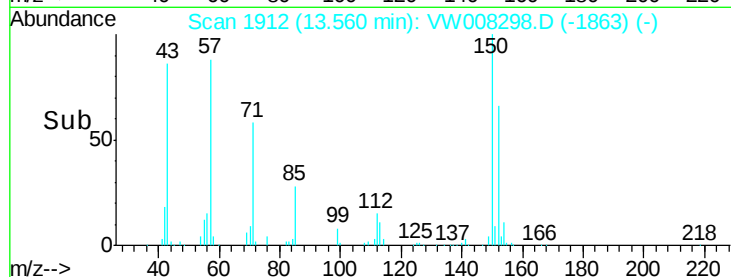
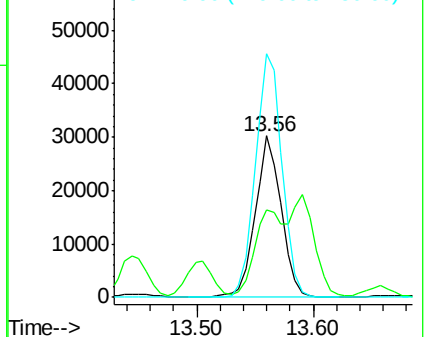
152 100

115 63.2 30.8 92.4

150 153.9 0.0 350.2



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: 16.421 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008298.D

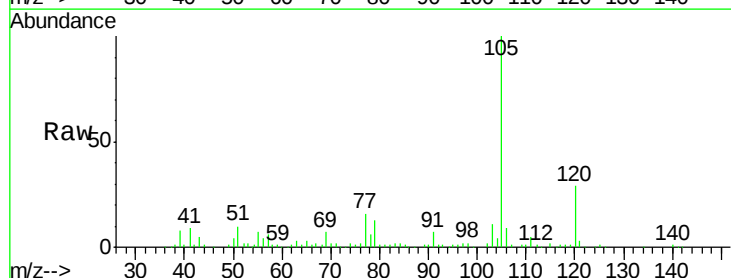
Acq: 15 Jan 2019 22:43

Tgt Ion:105 Resp: 60646

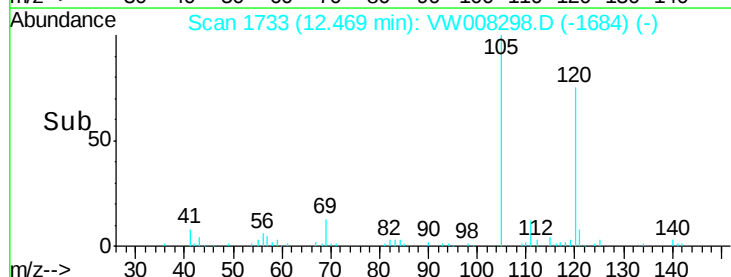
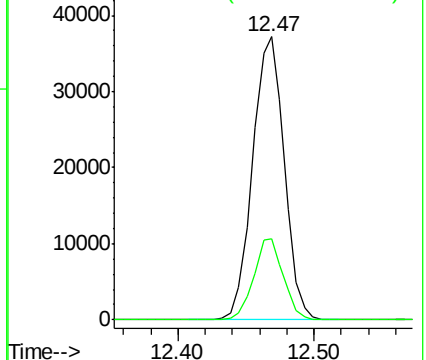
Ion Ratio Lower Upper

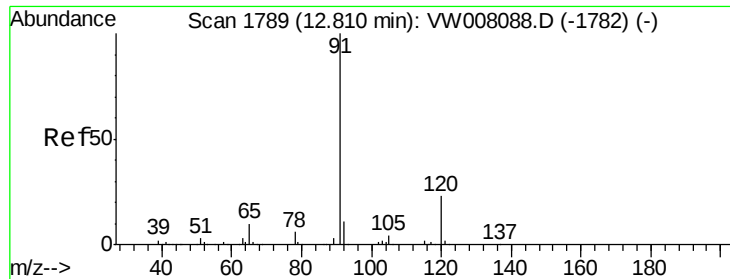
105 100

120 27.0 13.6 40.8



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

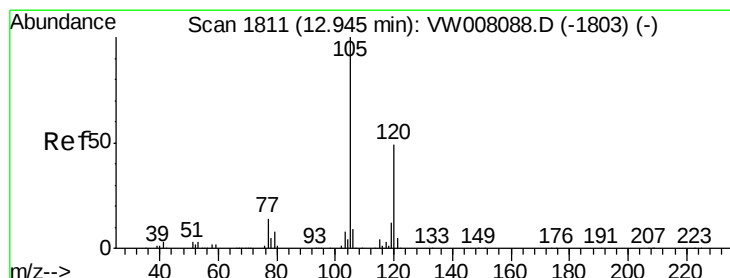
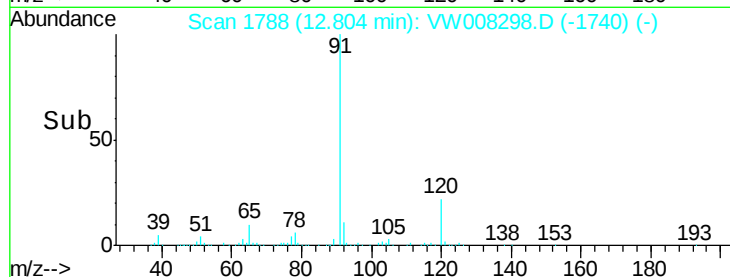
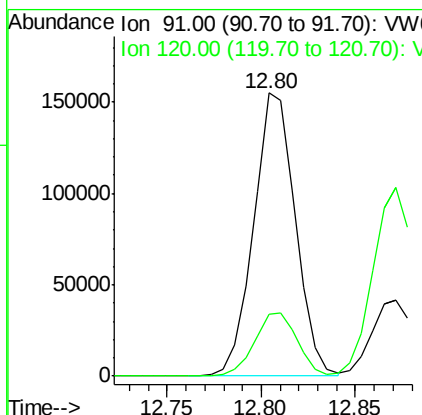
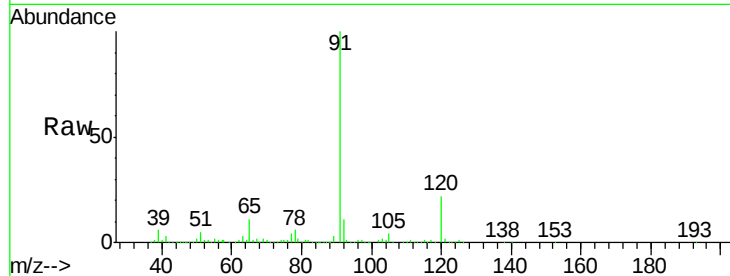




#78
n-propylbenzene
Concen: 52.399 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.01 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

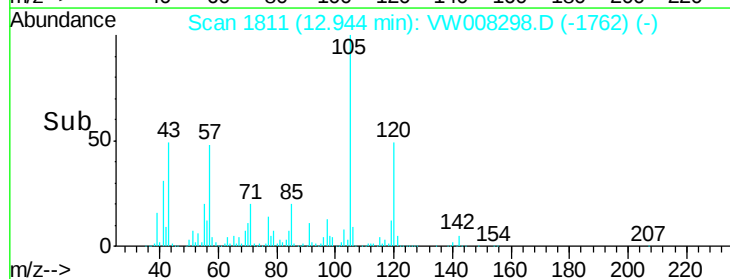
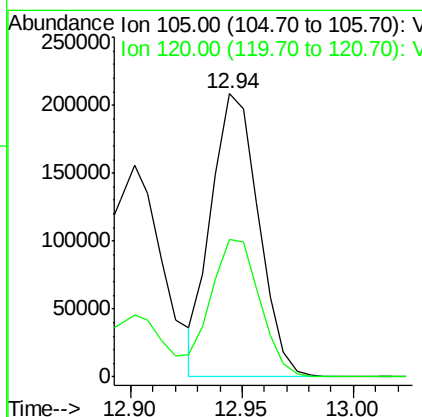
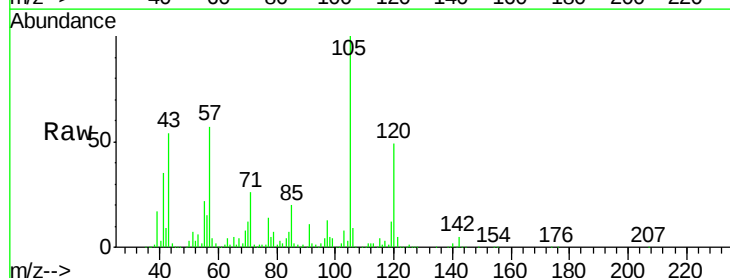
Instrument :
MSVOA_W
ClientSampleId :
EO-01-011518-C

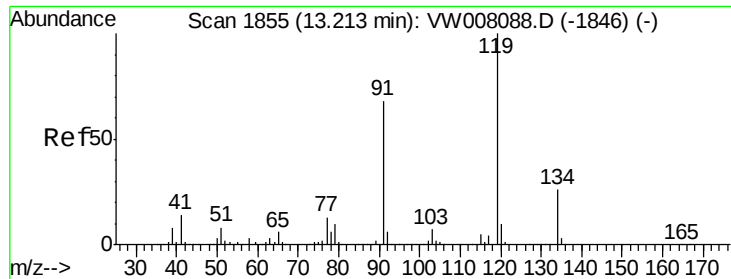
Tot Ion: 91 Resp: 237117
Ion Ratio Lower Upper
91 100
120 23.0 11.3 33.8



#80
1,3,5-Trimethylbenzene
Concen: 101.221 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008298.D
Acq: 15 Jan 2019 22:43

Tgt Ion: 105 Resp: 307201
Ion Ratio Lower Upper
105 100
120 51.8 24.7 74.1

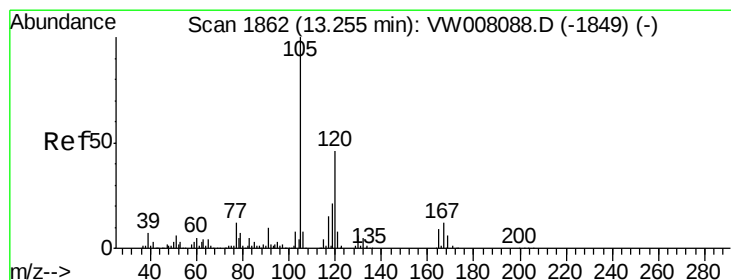
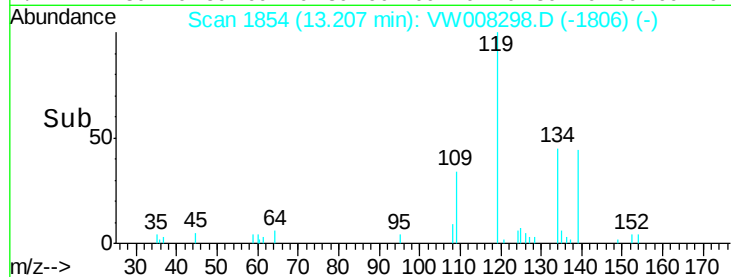
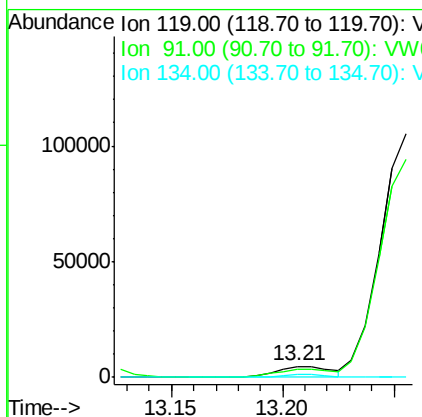
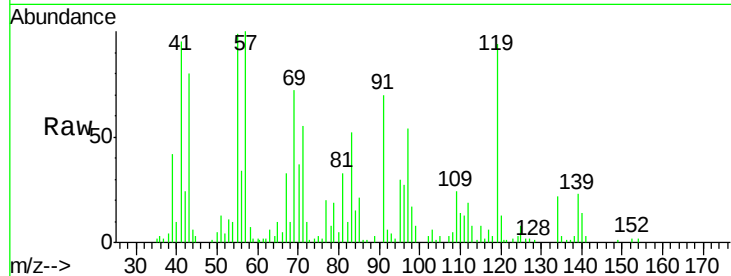




#83
 tert-Butylbenzene
 Concen: 3.066 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

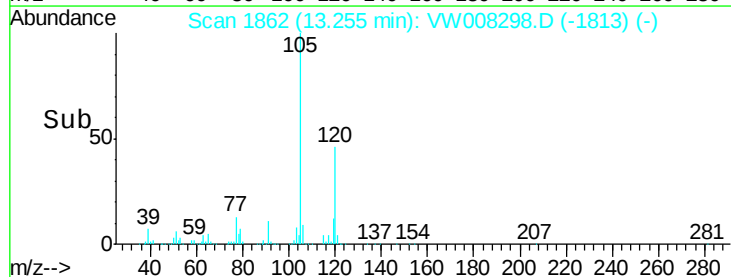
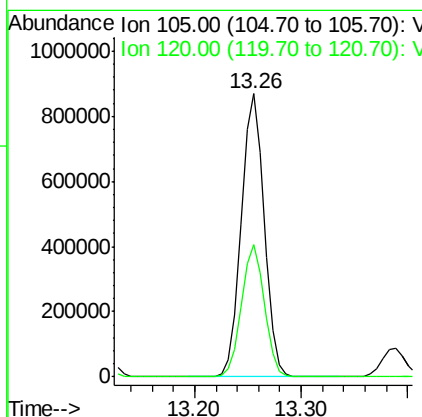
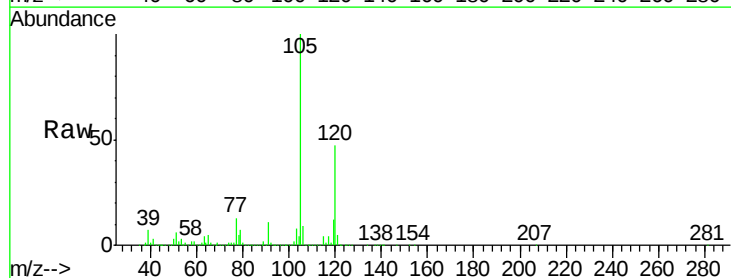
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-011518-C

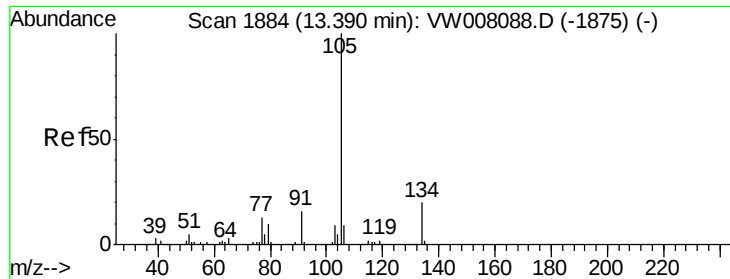
Tot Ion:119 Resp: 8232
 Ion Ratio Lower Upper
 119 100
 91 74.8 33.9 101.6
 134 25.7 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 420.884 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008298.D
 Acq: 15 Jan 2019 22:43

Tgt Ion:105 Resp: 1317443
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.7 68.1





#85

sec-Butylbenzene

Concen: 34.853 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

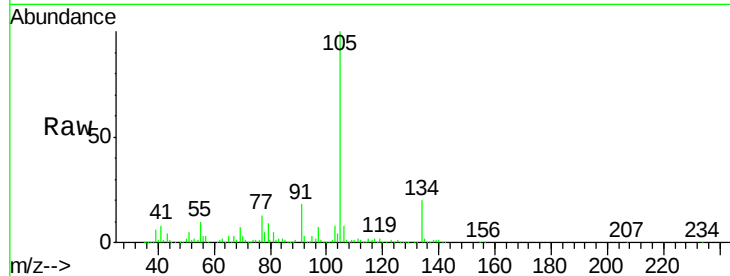
EO-01-011518-C

Tot Ion:105 Resp: 137081

Ion Ratio Lower Upper

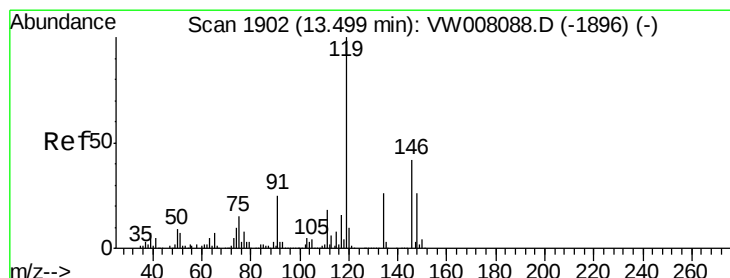
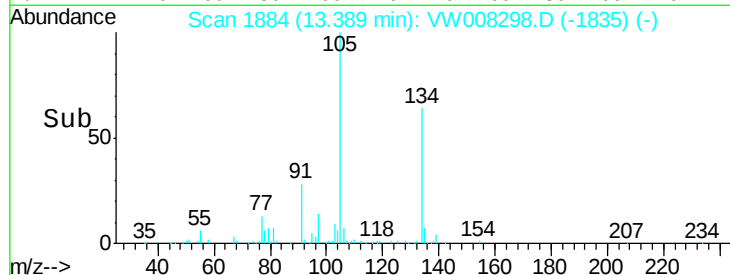
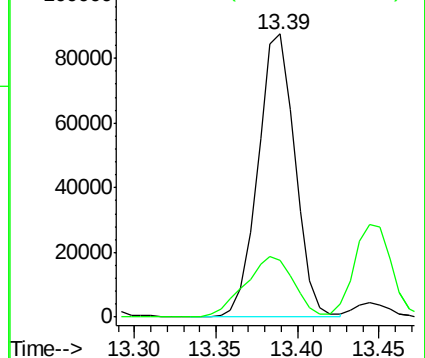
105 100

134 28.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 37.913 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

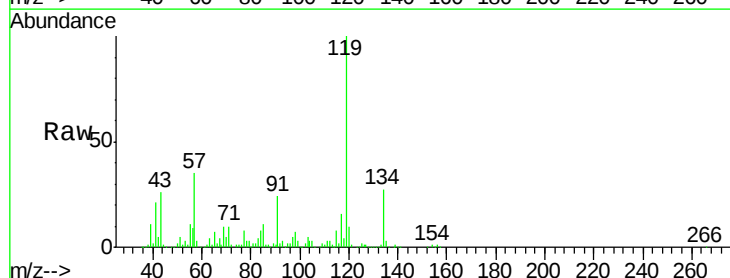
Tgt Ion:119 Resp: 128769

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

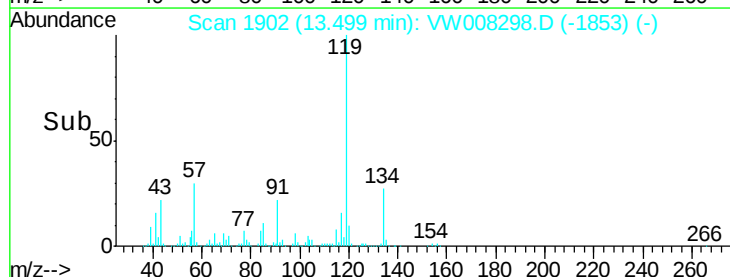
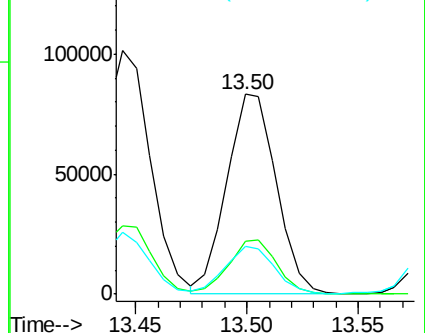
91 22.9 12.3 36.9

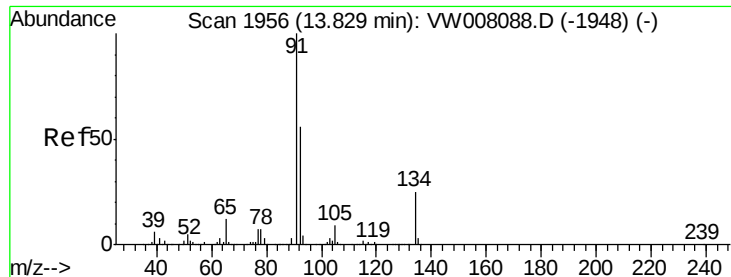


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 51.889 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Instrument :

MSVOA_W

ClientSampleId :

EO-01-011518-C

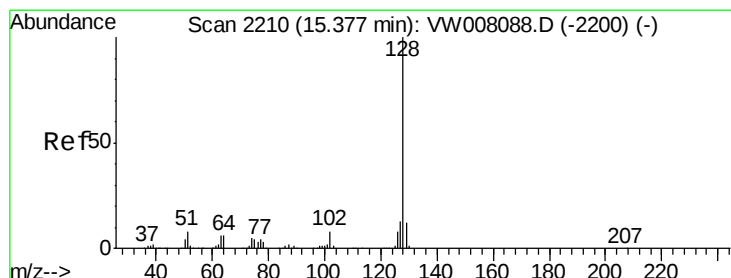
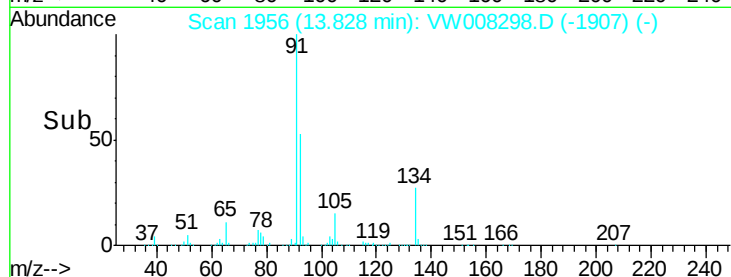
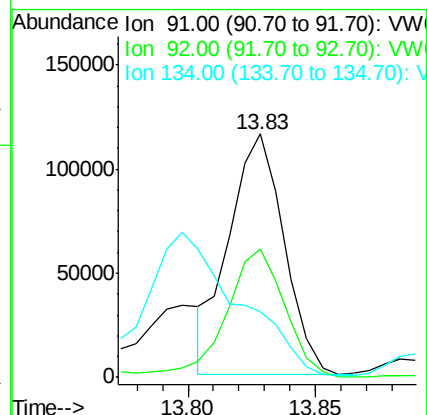
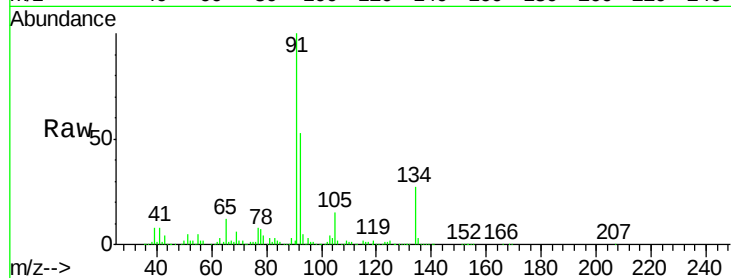
Tot Ion: 91 Resp: 172606

Ion Ratio Lower Upper

91 100

92 57.1 27.4 82.2

134 0.0 12.6 37.8#



#95

Naphthalene

Concen: 183.705 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008298.D

Acq: 15 Jan 2019 22:43

Tgt Ion: 128 Resp: 316832

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.4

129 11.2 9.0 13.6

