

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011992.D
 Acq On : 19 Aug 2019 15:32
 Operator : SY/VA
 Sample : K4391-03
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E-CORNER

Quant Time: Aug 19 16:34:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167084	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	168251	54.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.62%	
35) Dibromofluoromethane	7.88	113	134940	53.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.40%	
50) Toluene-d8	10.32	98	622772	60.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.08%	
62) 4-Bromofluorobenzene	12.62	95	311586	84.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	169.90%	

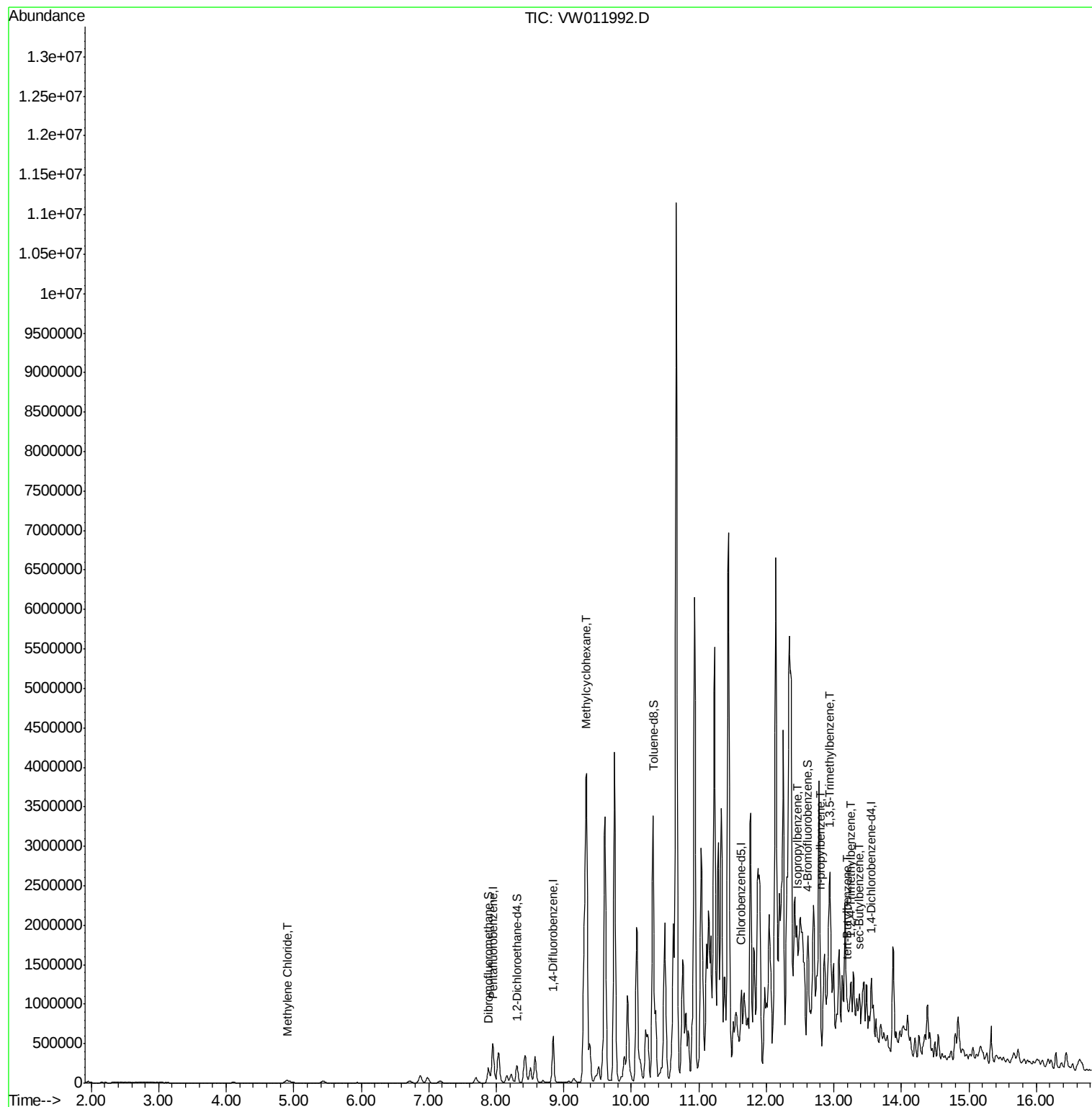
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.92	84	5271	1.565	ug/l #	81
39) Methylcyclohexane	9.34	83	1472860	287.216	ug/l	95
73) Isopropylbenzene	12.46	105	96824	7.768	ug/l	99
78) n-propylbenzene	12.80	91	85083	5.609	ug/l	91
80) 1,3,5-Trimethylbenzene	12.94	105	212287	20.317	ug/l	99
83) tert-Butylbenzene	13.21	119	56847	6.506	ug/l	92
84) 1,2,4-Trimethylbenzene	13.25	105	320361	30.437	ug/l	99
85) sec-Butylbenzene	13.38	105	164424	13.188	ug/l #	57

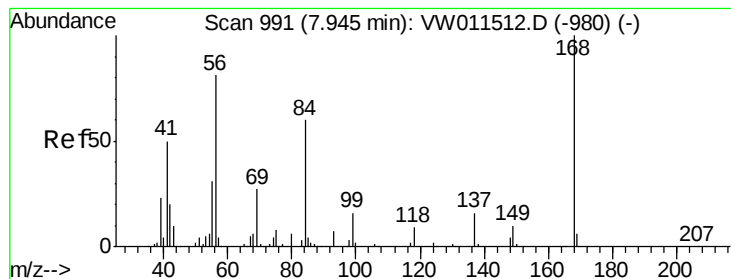
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

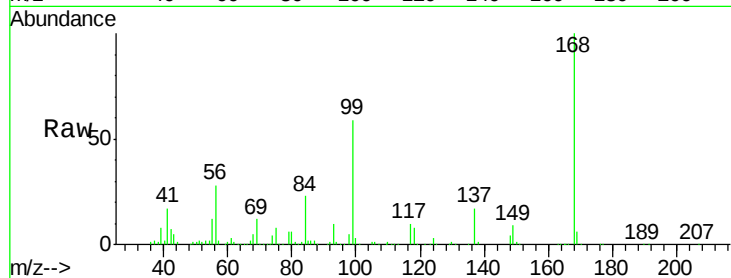
E-CORNER

Tot Ion:168 Resp: 267319

Ion Ratio Lower Upper

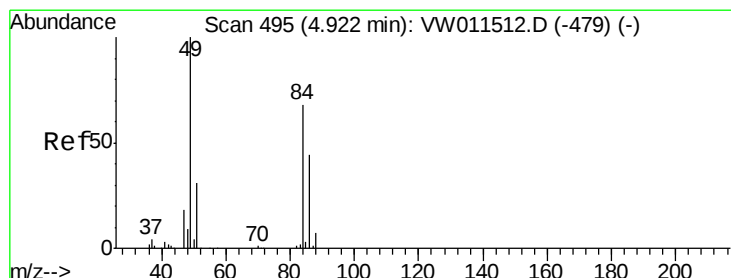
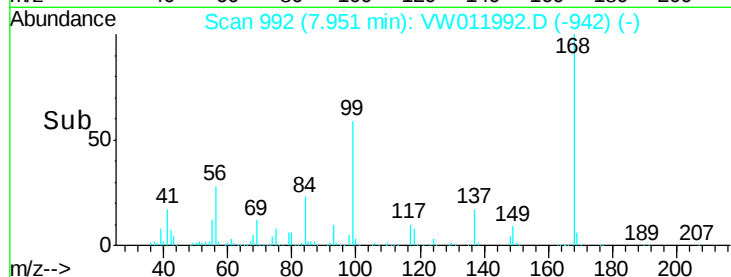
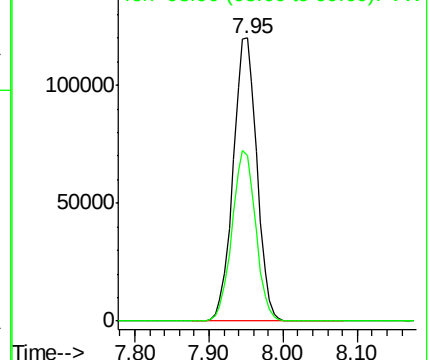
168 100

99 58.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 1.565 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

Tgt Ion: 84 Resp: 5271

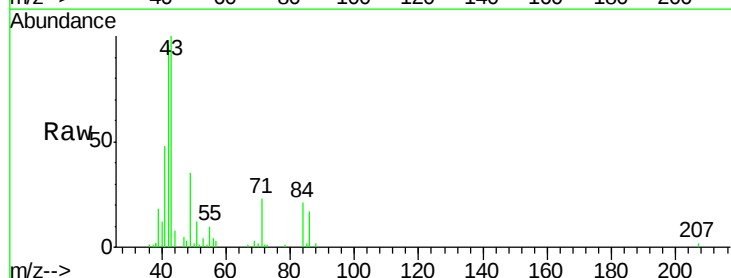
Ion Ratio Lower Upper

84 100

49 171.7 117.8 176.6

51 58.0 37.0 55.4#

86 80.5 51.8 77.8#

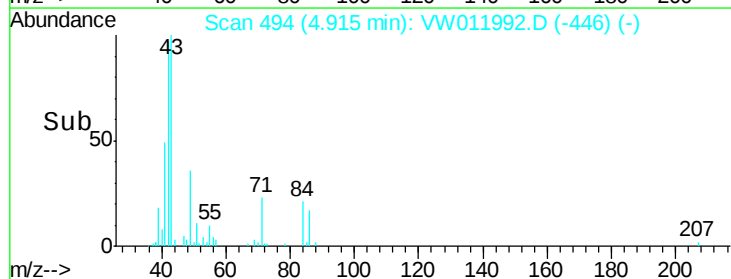
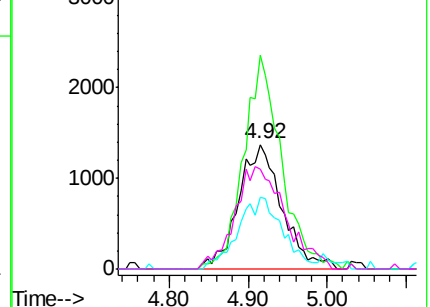


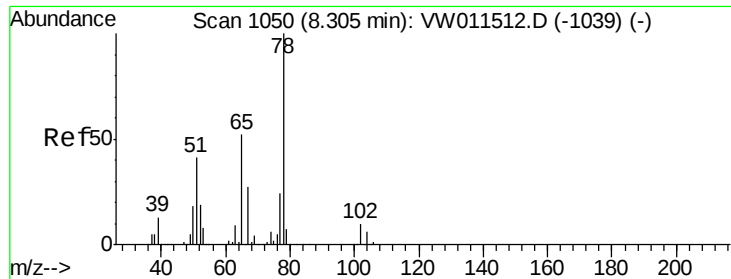
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

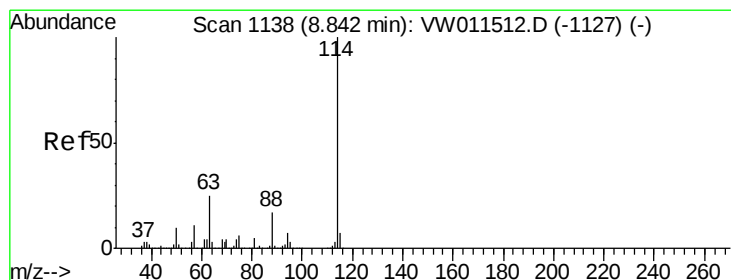
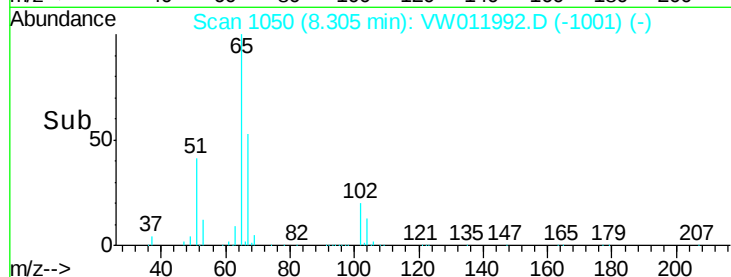
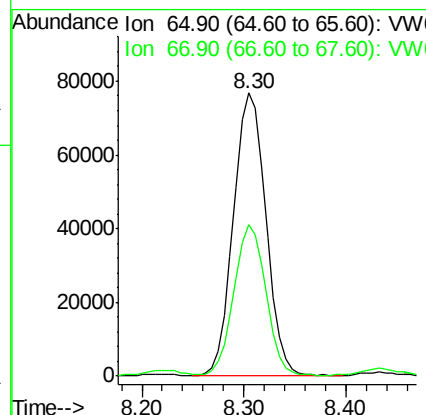
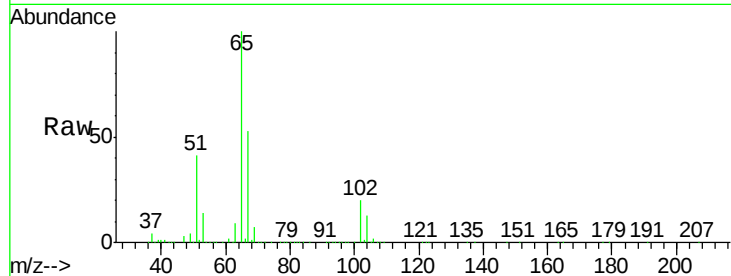




#33
 1,2-Dichloroethane-d4
 Concen: 54.813 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011992.D
 Acq: 19 Aug 2019 15:32

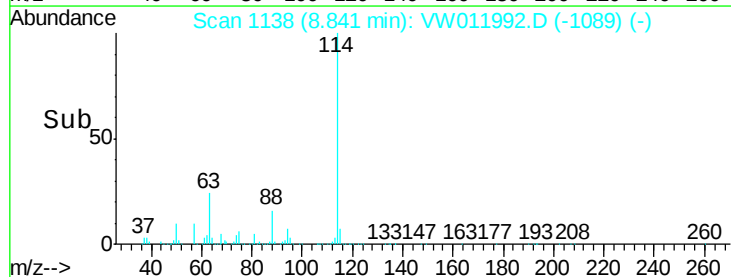
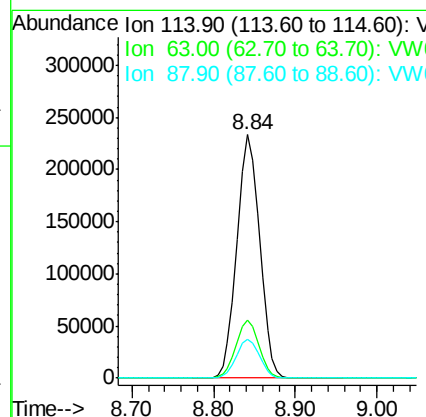
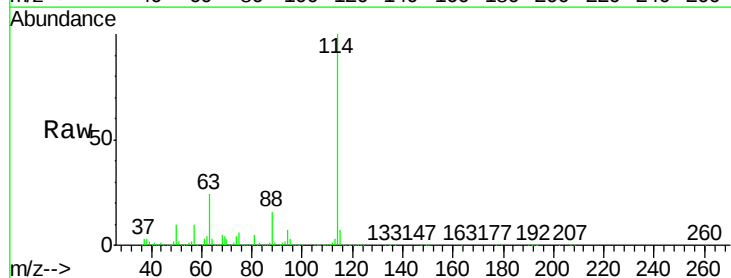
Instrument :
 MSVOA_W
 ClientSampleId :
 E-CORNER

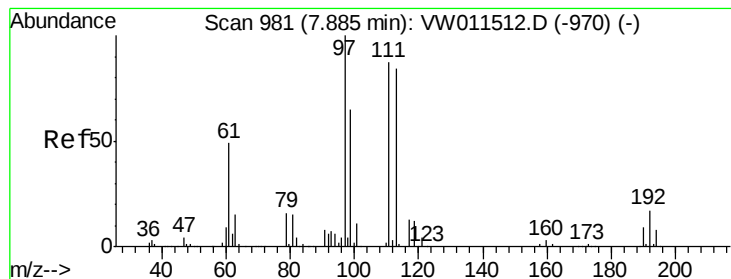
Tot Ion: 65 Resp: 168251
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011992.D
 Acq: 19 Aug 2019 15:32

Tgt Ion: 114 Resp: 447880
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.703 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

E-CORNER

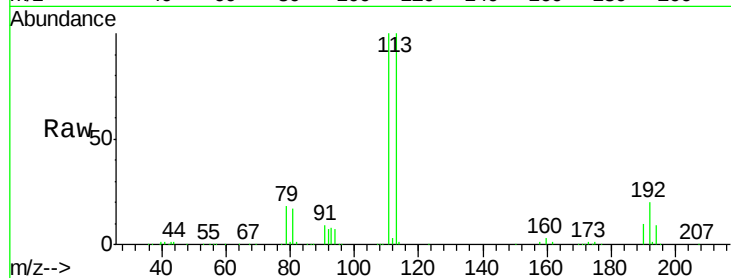
Tot Ion:113 Resp: 134940

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

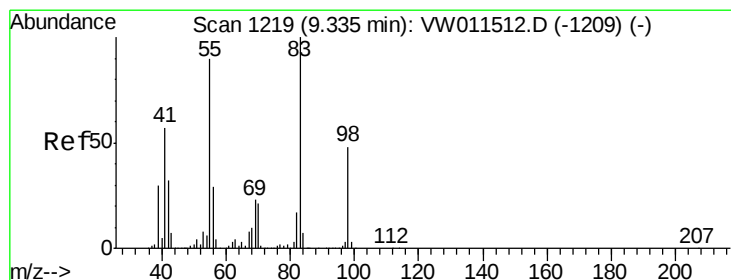
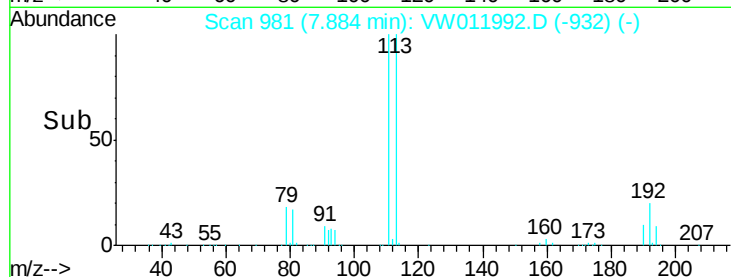
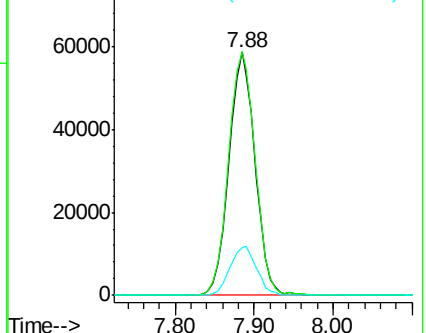
192 20.7 16.1 24.1



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: 287.216 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

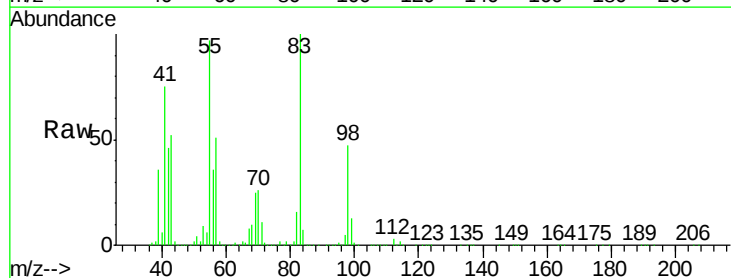
Tgt Ion: 83 Resp: 1472860

Ion Ratio Lower Upper

83 100

55 97.1 72.1 108.1

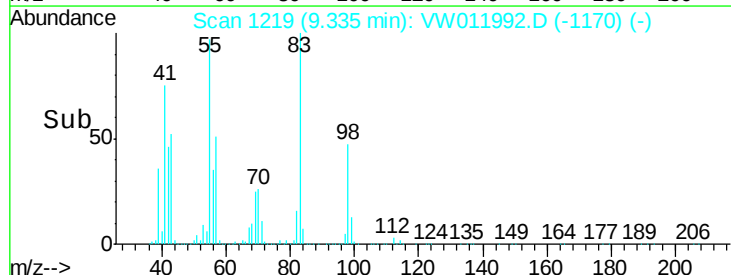
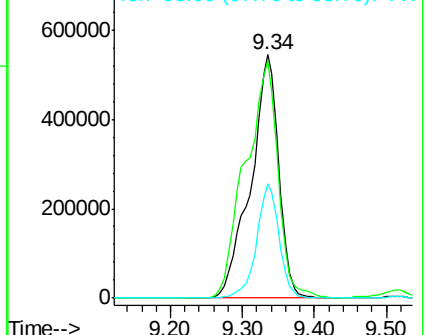
98 47.2 38.6 57.8

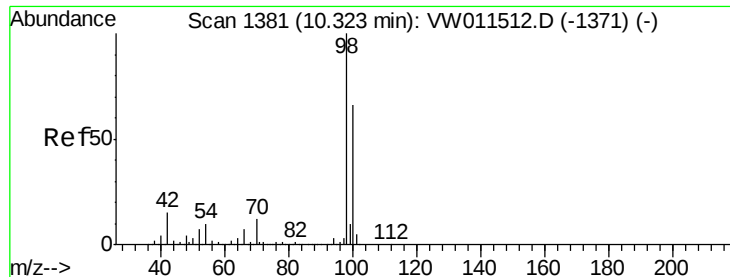


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 60.536 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

Instrument :

MSVOA_W

ClientSampleId :

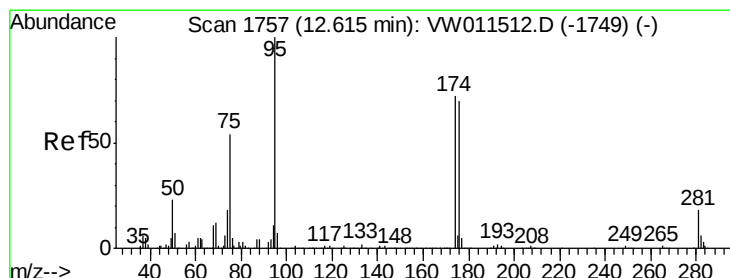
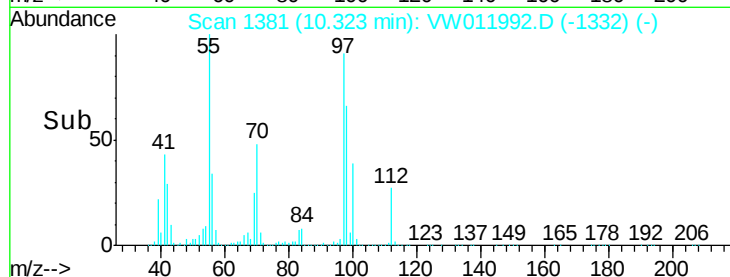
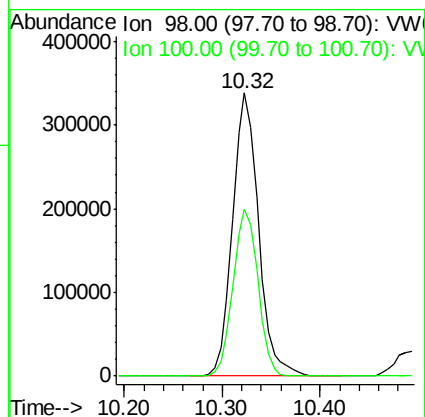
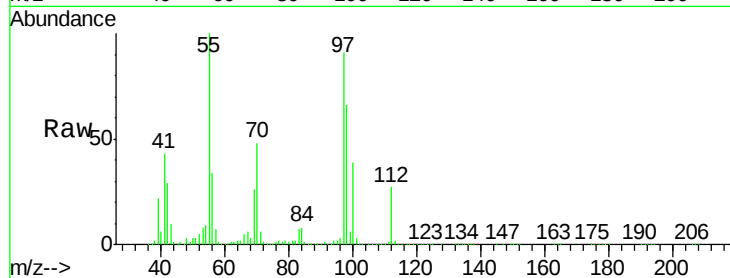
E-CORNER

Tot Ion: 98 Resp: 622772

Ion Ratio Lower Upper

98 100

100 56.5 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 84.953 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

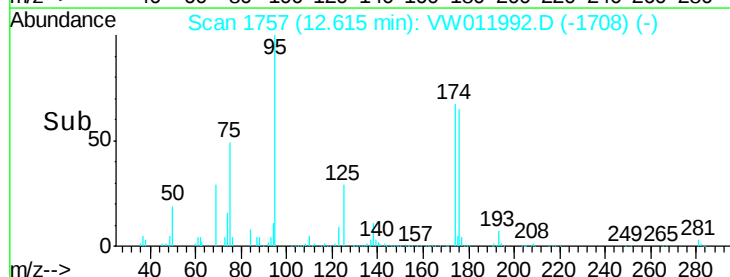
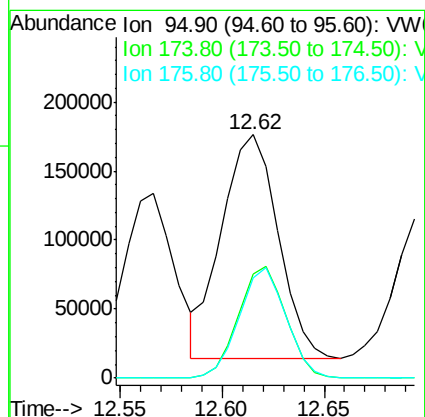
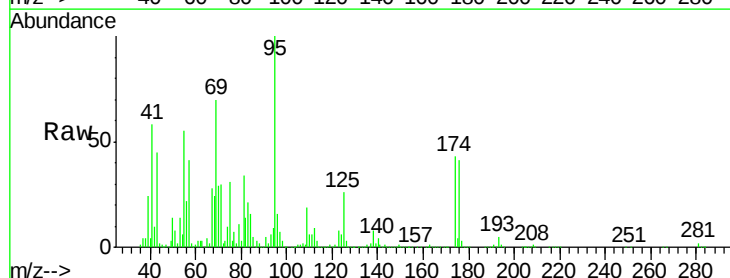
Tgt Ion: 95 Resp: 311586

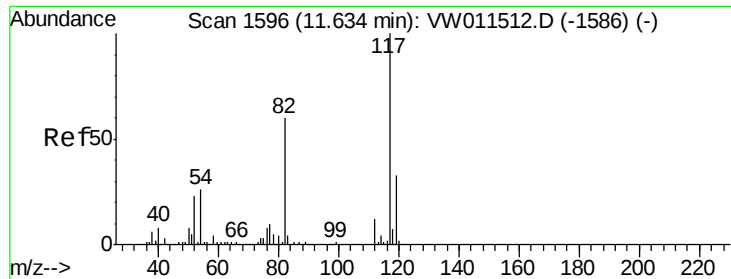
Ion Ratio Lower Upper

95 100

174 42.2 0.0 150.2

176 40.8 0.0 144.4

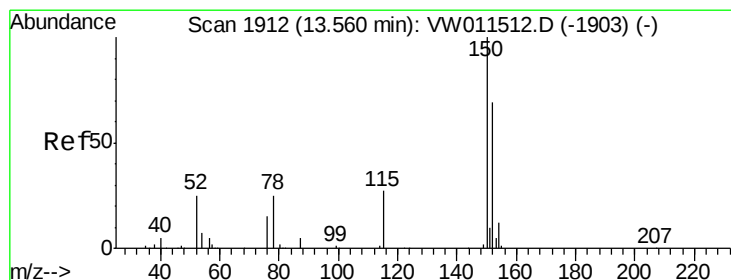
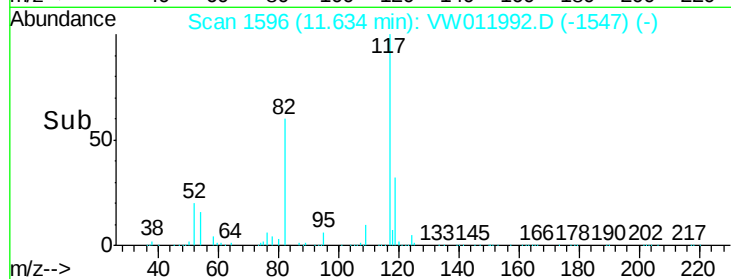
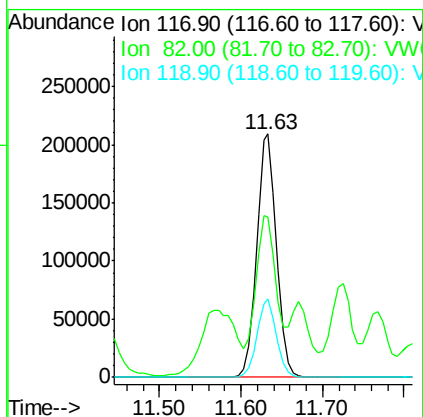
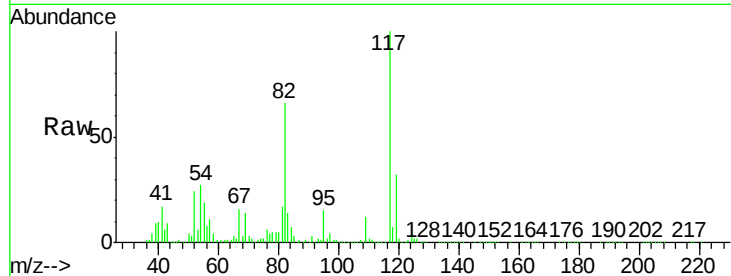




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011992.D
Acq: 19 Aug 2019 15:32

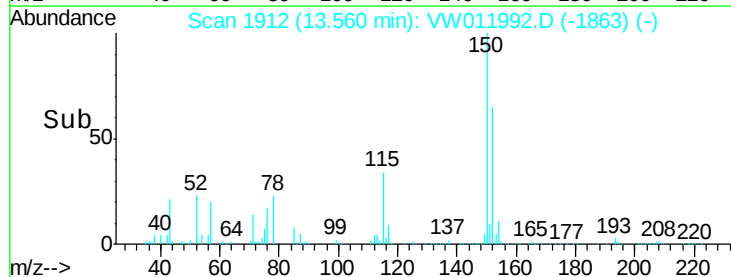
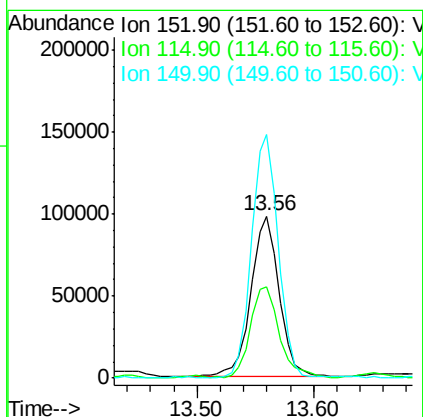
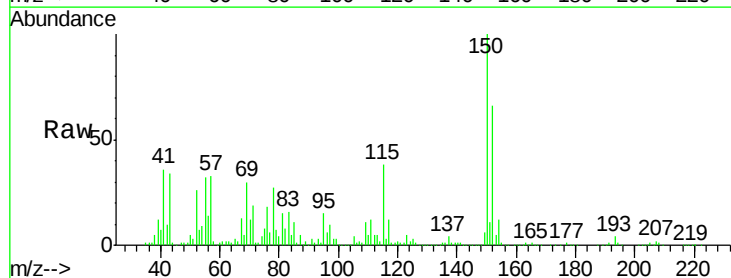
Instrument :
MSVOA_W
ClientSampled :
E-CORNER

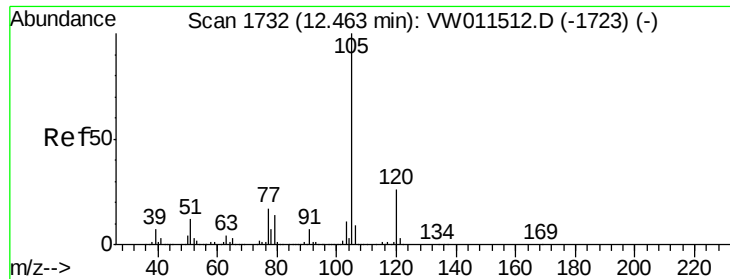
Tot Ion:117 Resp: 354476
Ion Ratio Lower Upper
117 100
82 61.8 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011992.D
Acq: 19 Aug 2019 15:32

Tgt Ion:152 Resp: 167084
Ion Ratio Lower Upper
152 100
115 57.1 30.5 91.5
150 141.5 0.0 352.6





#73

Isopropylbenzene

Concen: 7.768 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011992.D

Acq: 19 Aug 2019 15:32

Instrument :

MSVOA_W

ClientSampled :

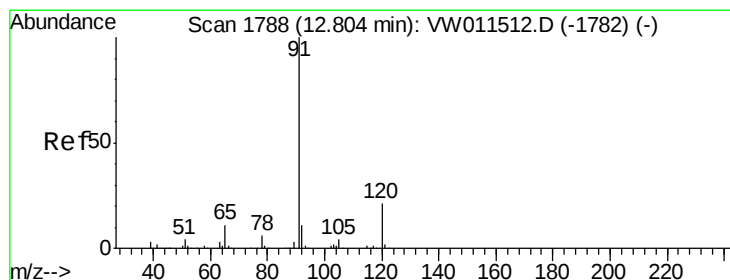
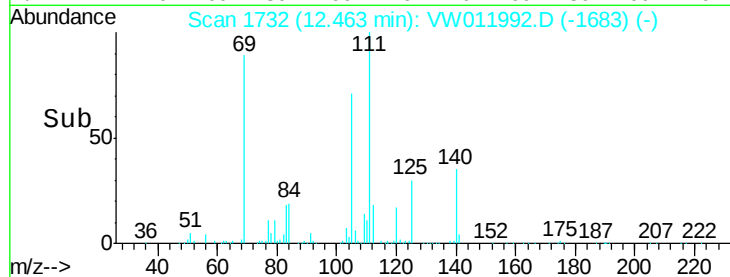
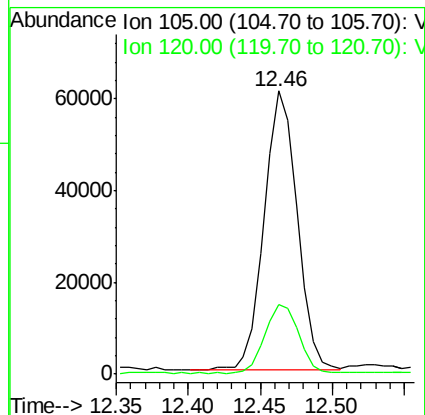
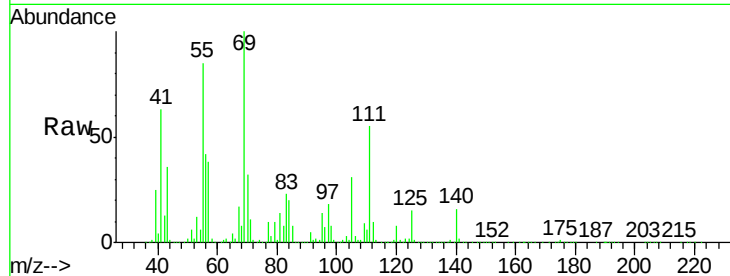
E-CORNER

Tot Ion: 105 Resp: 96824

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



#78

n-propylbenzene

Concen: 5.609 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011992.D

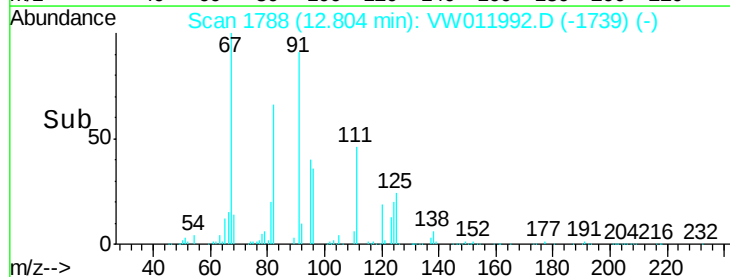
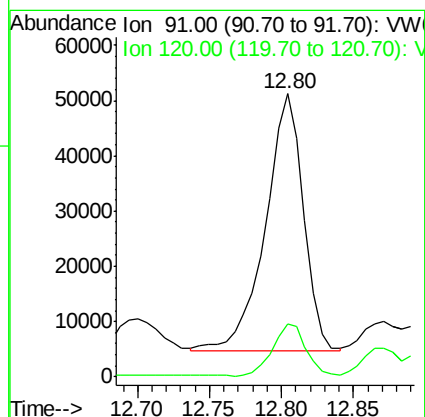
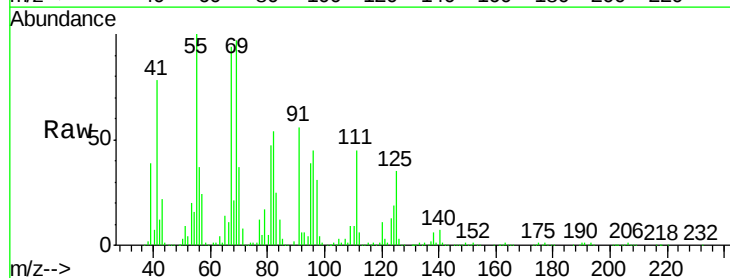
Acq: 19 Aug 2019 15:32

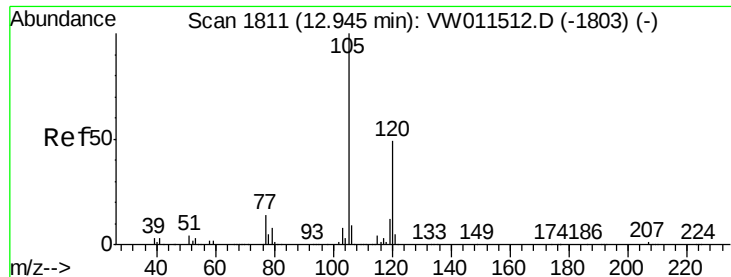
Tgt Ion: 91 Resp: 85083

Ion Ratio Lower Upper

91 100

120 17.7 10.9 32.7

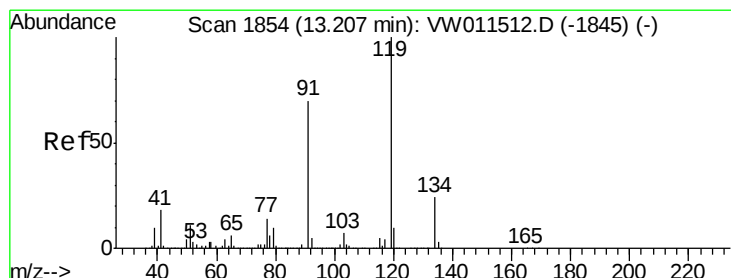
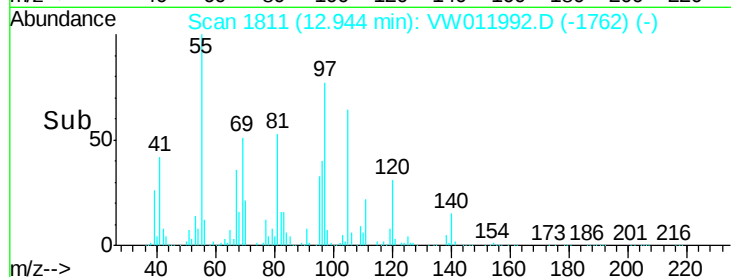
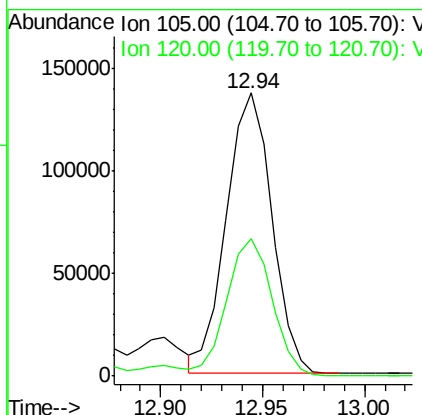
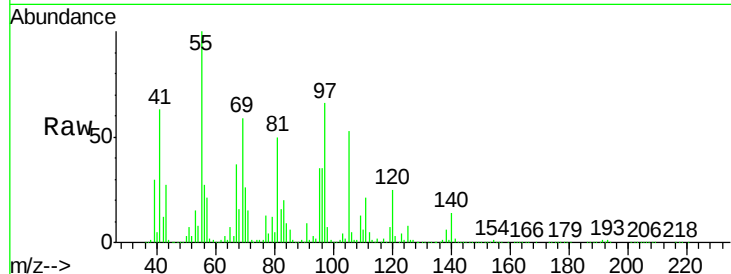




#80
1,3,5-Trimethylbenzene
Concen: 20.317 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011992.D
Acq: 19 Aug 2019 15:32

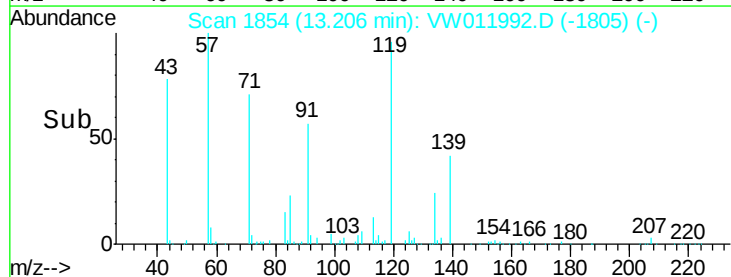
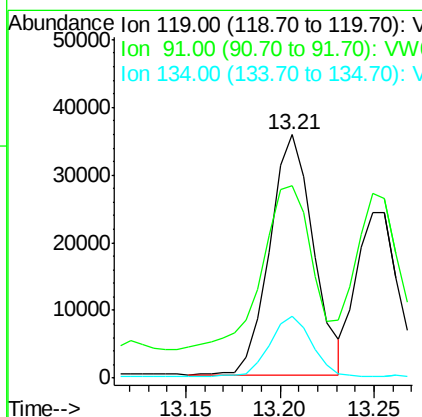
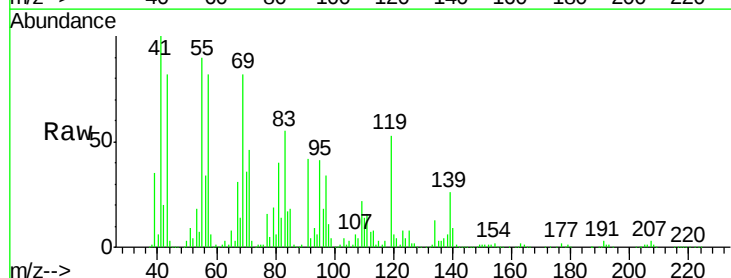
Instrument :
MSVOA_W
ClientSampleId :
E-CORNER

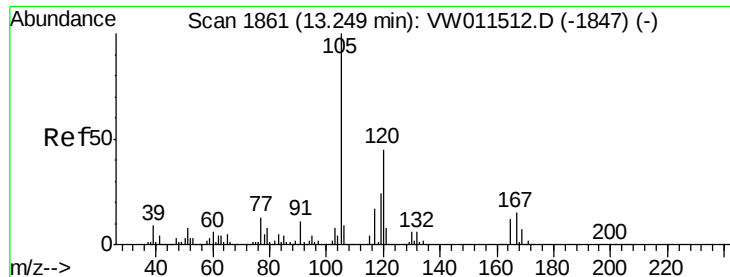
Tot Ion:105 Resp: 212287
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.3



#83
tert-Butylbenzene
Concen: 6.506 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011992.D
Acq: 19 Aug 2019 15:32

Tgt Ion:119 Resp: 56847
Ion Ratio Lower Upper
119 100
91 77.5 34.5 103.6
134 24.9 12.4 37.4

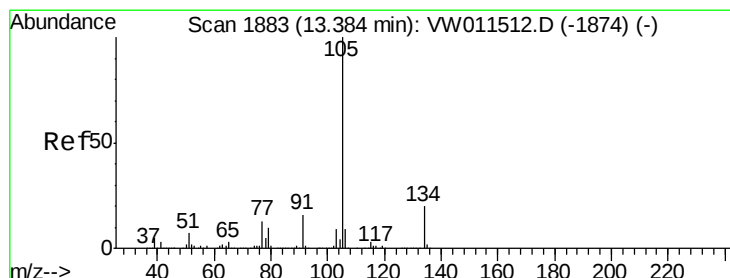
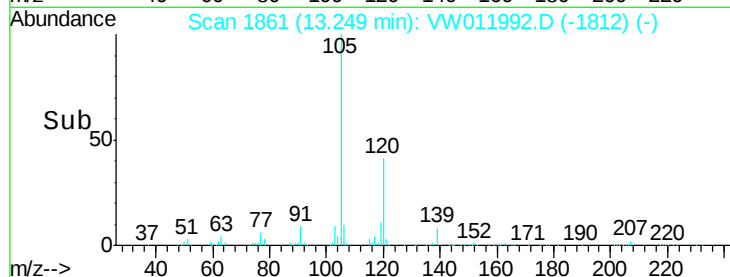
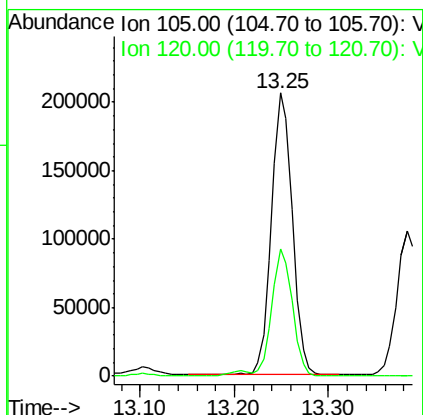
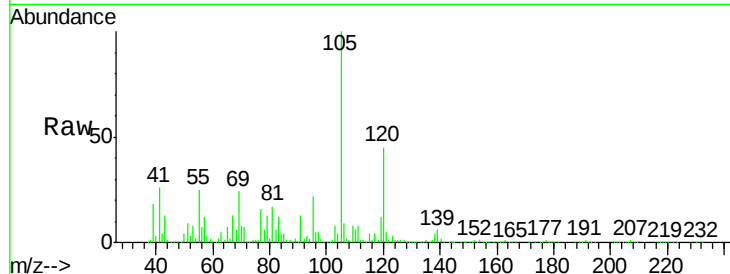




#84
 1,2,4-Trimethylbenzene
 Concen: 30.437 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011992.D
 Acq: 19 Aug 2019 15:32

Instrument :
 MSVOA_W
 ClientSampleId :
 E-CORNER

Tot Ion:105 Resp: 320361
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 13.188 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011992.D
 Acq: 19 Aug 2019 15:32

Tgt Ion:105 Resp: 164424
 Ion Ratio Lower Upper
 105 100
 134 39.0 9.7 29.1#

