

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080819\
 Data File : VW011760.D
 Acq On : 07 Aug 2019 19:05
 Operator : SY/VA
 Sample : K4092-03
 Misc : 4.98G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-B

Quant Time: Aug 08 09:12:12 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	190298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	243843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	133304	61.00	ug/l	0.00
Spiked Amount			Recovery	=	122.00%	
35) Dibromofluoromethane	7.88	113	101553	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
50) Toluene-d8	10.32	98	380846	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.62	95	104852	39.81	ug/l	0.00
Spiked Amount			Recovery	=	79.62%	

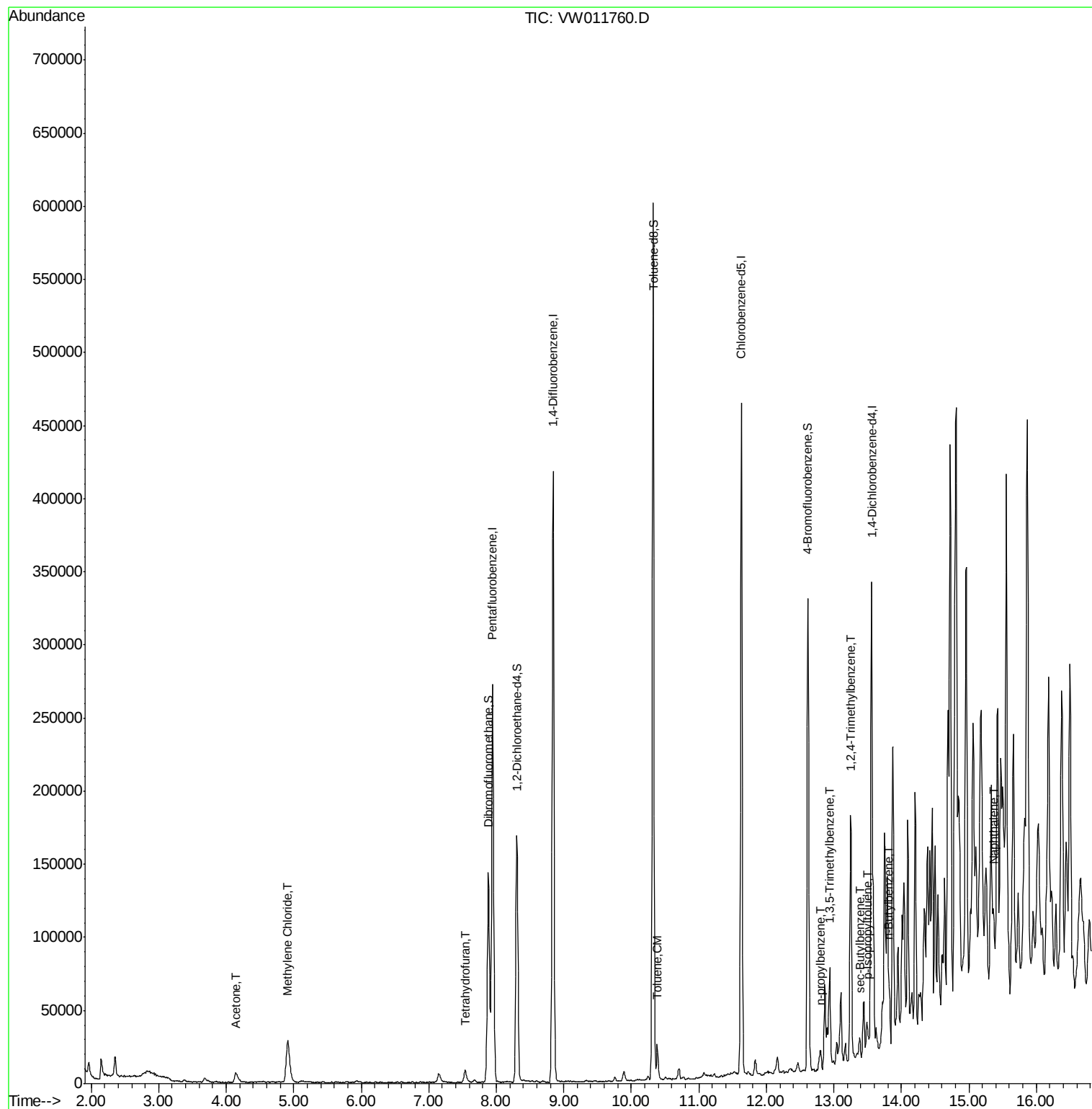
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	14514	20.881	ug/l	98
20) Methylene Chloride	4.91	84	22149	9.239	ug/l	93
29) Tetrahydrofuran	7.54	42	7609	14.635	ug/l	96
52) Toluene	10.38	92	9135	1.615	ug/l	97
78) n-propylbenzene	12.80	91	10422	1.466	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	19654	4.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	90924	18.431	ug/l	100
85) sec-Butylbenzene	13.38	105	8868	1.518	ug/l	83
86) p-Isopropyltoluene	13.50	119	7104	1.340	ug/l	100
89) n-Butylbenzene	13.82	91	18728	3.540	ug/l #	80
95) Naphthalene	15.37	128	18995	7.956	ug/l #	87

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

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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# 991

Delta R.T. -0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

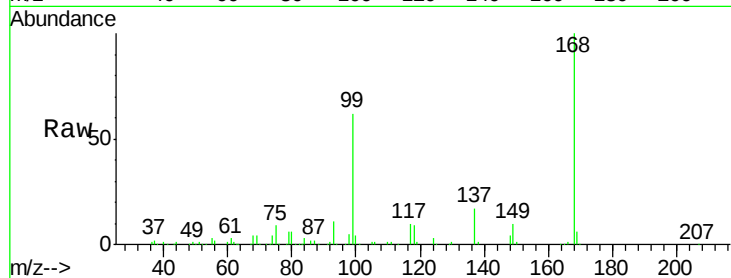
EO-01-080719-B

Tot Ion:168 Resp: 190298

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

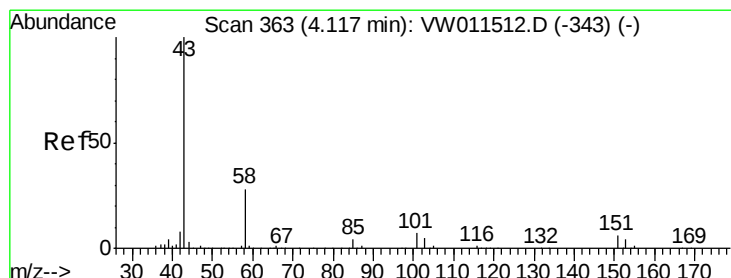
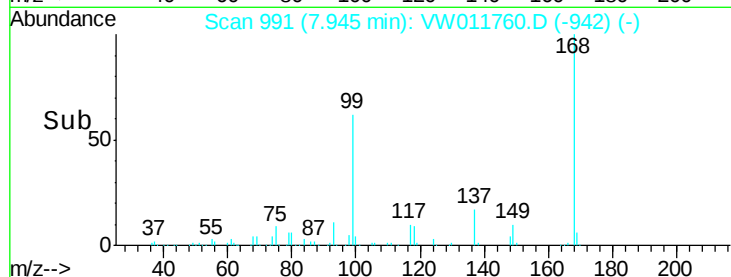
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 20.881 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011760.D

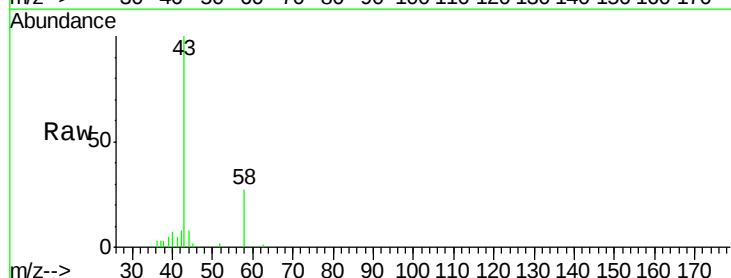
Acq: 07 Aug 2019 19:05

Tgt Ion: 43 Resp: 14514

Ion Ratio Lower Upper

43 100

58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

5000

4000

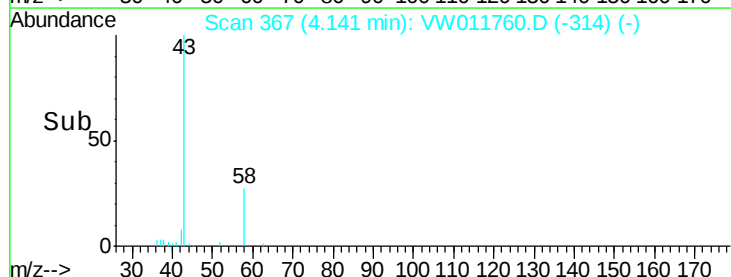
3000

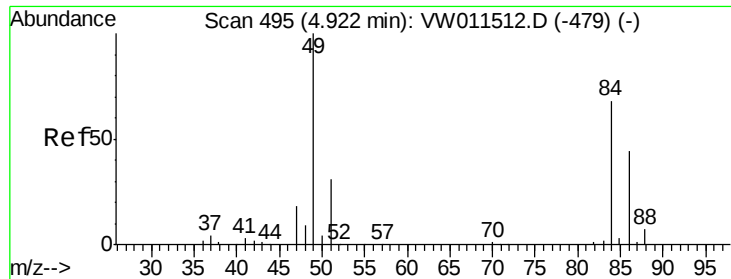
2000

1000

0

Time-->

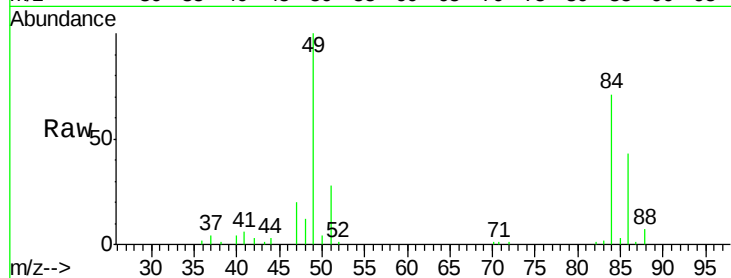




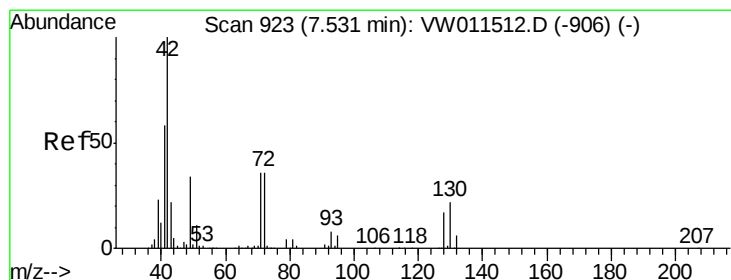
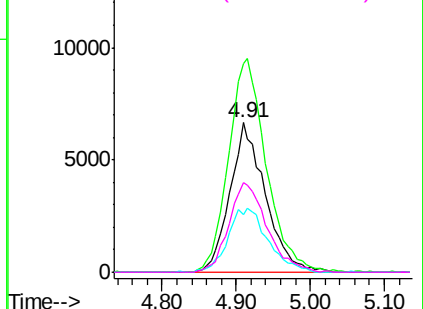
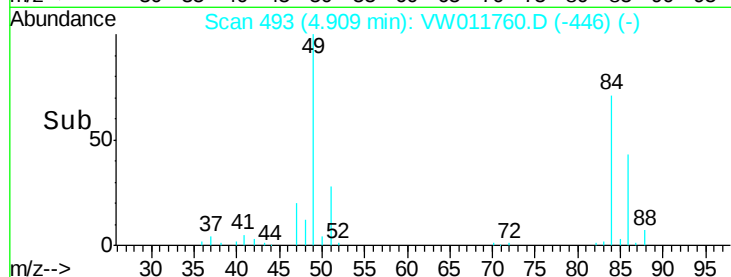
#20
Methvlene Chloride
Concen: 9.239 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011760.D
Acq: 07 Aug 2019 19:05

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080719-B

Tot Ion:	84	Resp:	22149
Ion	Ratio	Lower	Upper
84	100		
49	139.9	117.8	176.6
51	38.7	37.0	55.4
86	59.7	51.8	77.8

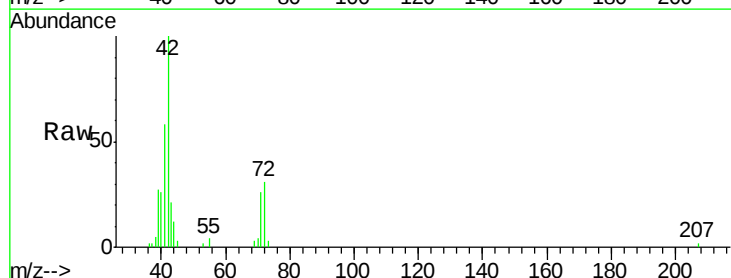


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

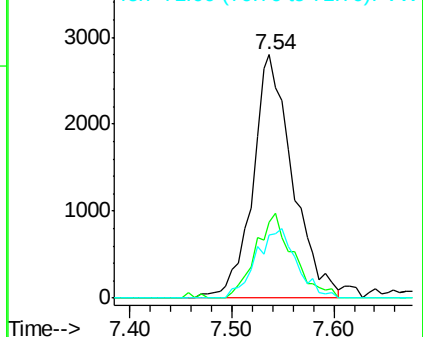
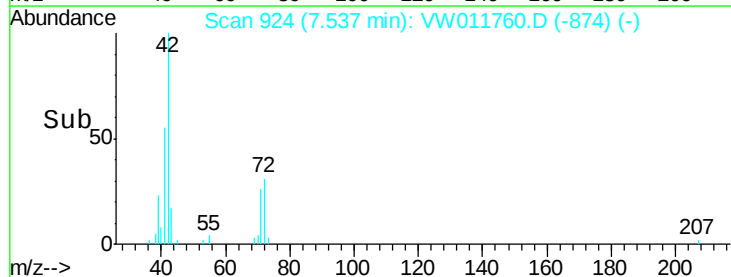


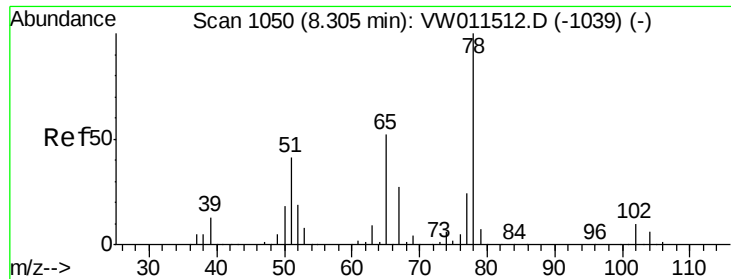
#29
Tetrahydrofuran
Concen: 14.635 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW011760.D
Acq: 07 Aug 2019 19:05

Tgt Ion:	42	Resp:	7609
Ion	Ratio	Lower	Upper
42	100		
72	32.8	27.1	40.7
71	29.0	26.2	39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 61.004 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

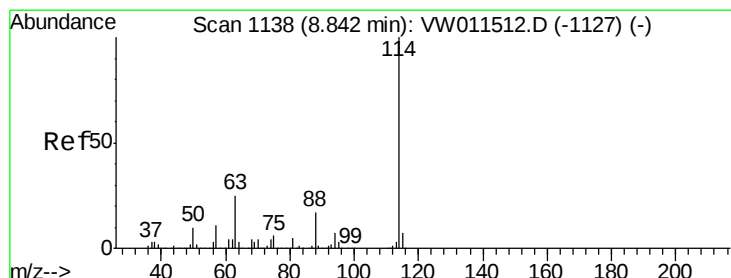
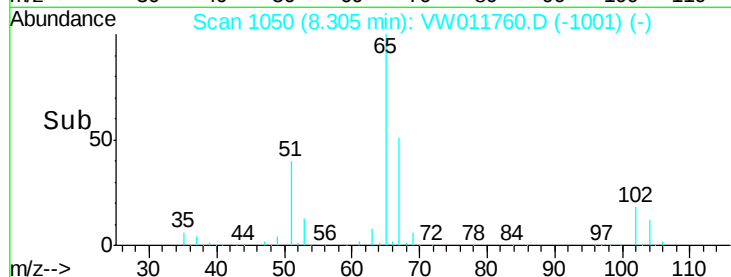
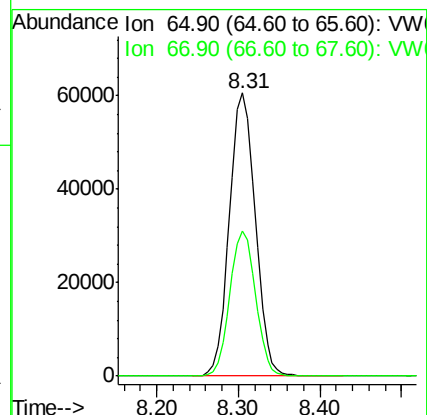
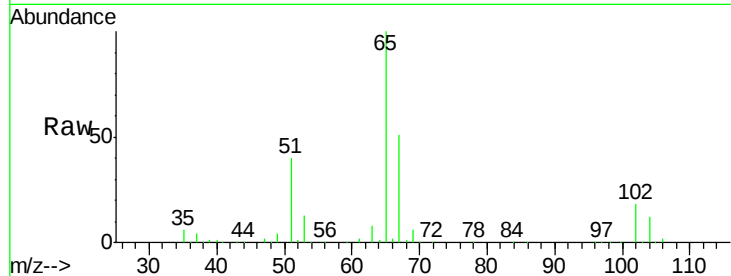
EO-01-080719-B

Tot Ion: 65 Resp: 133304

Ion Ratio Lower Upper

65 100

67 50.8 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: VW011760.D

Acq: 07 Aug 2019 19:05

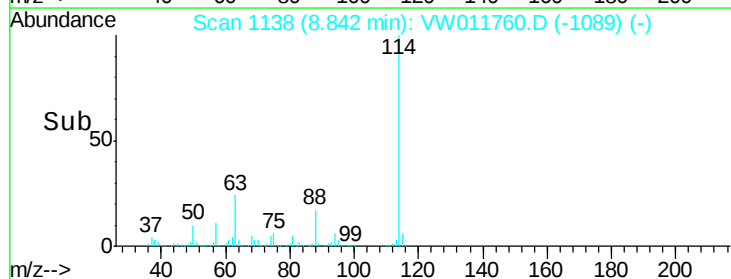
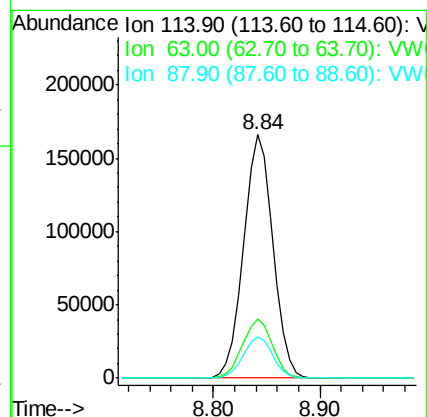
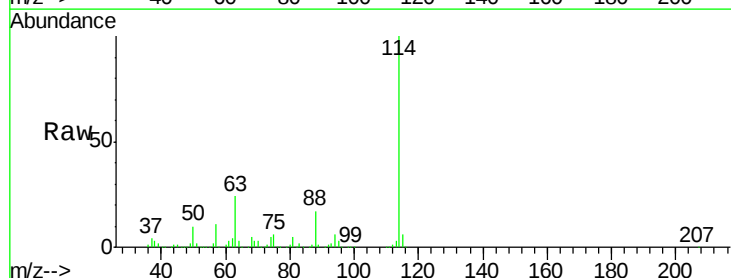
Tgt Ion: 114 Resp: 321606

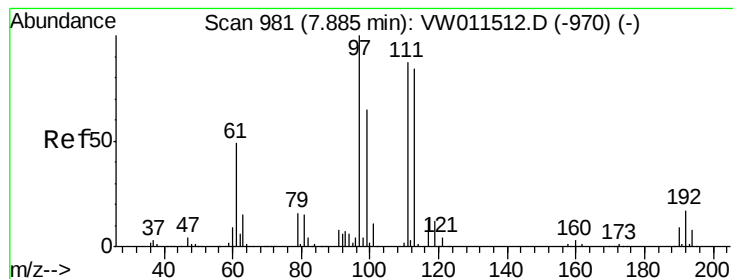
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 56.285 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-B

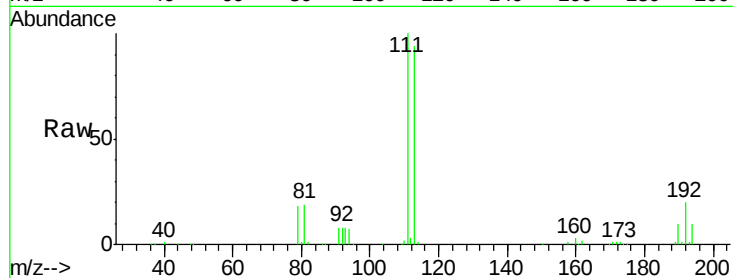
Tot Ion:113 Resp: 101553

Ion Ratio Lower Upper

113 100

111 104.4 82.7 124.1

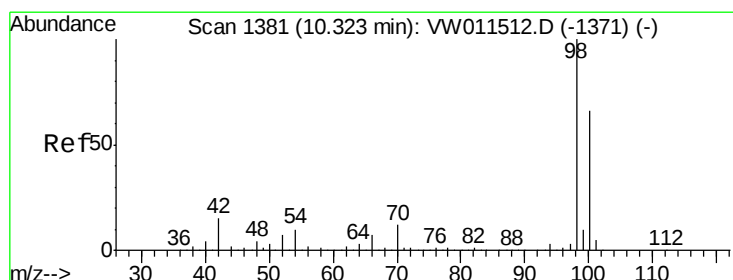
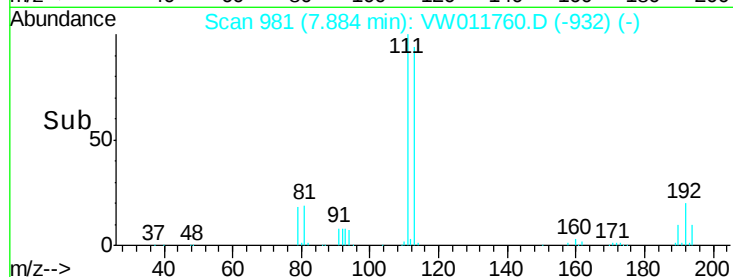
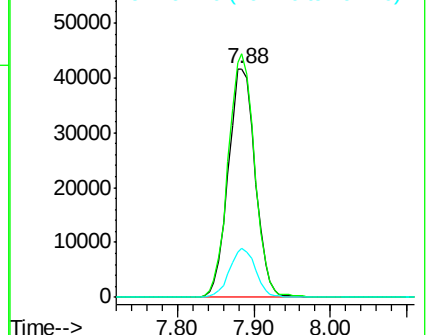
192 20.8 16.1 24.1



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



#50

Toluene-d8

Concen: 51.555 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011760.D

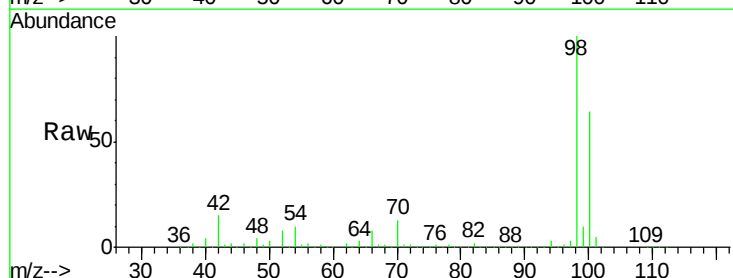
Acq: 07 Aug 2019 19:05

Tgt Ion: 98 Resp: 380846

Ion Ratio Lower Upper

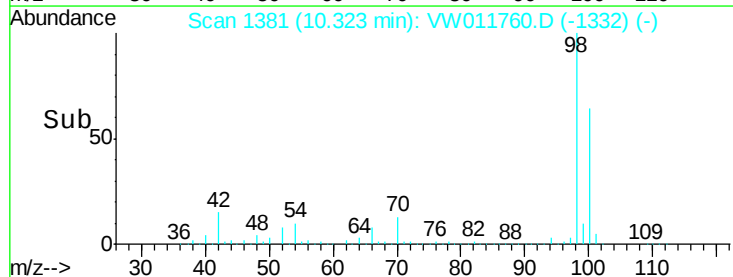
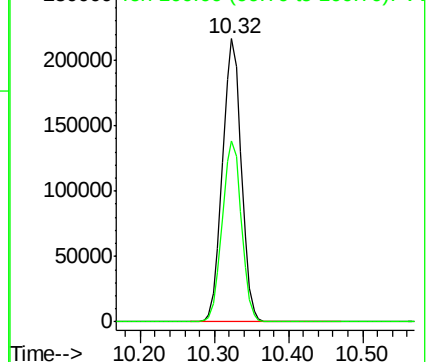
98 100

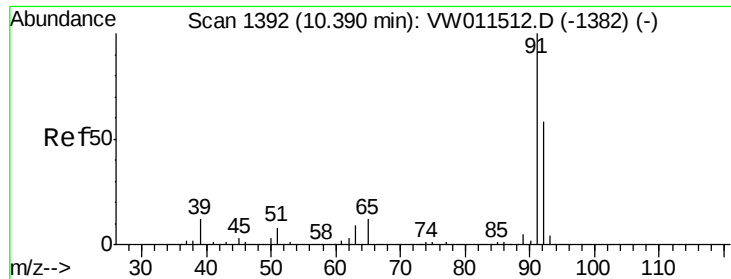
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.615 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

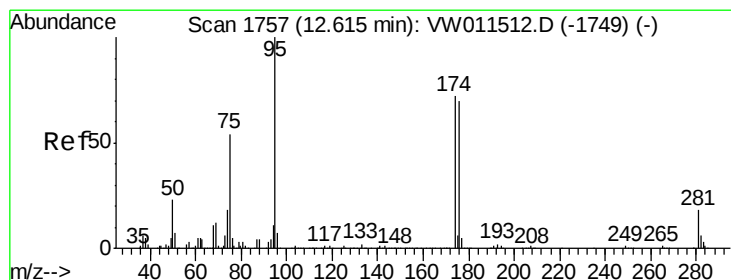
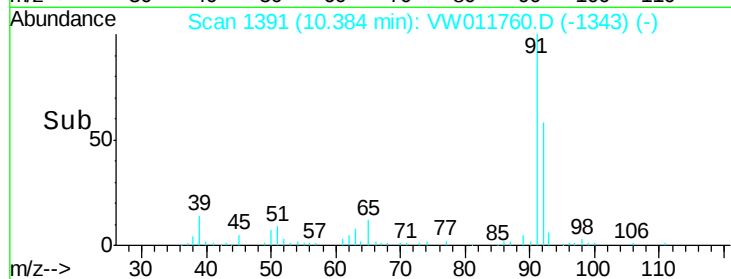
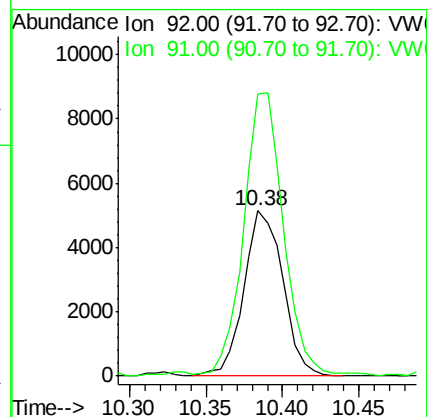
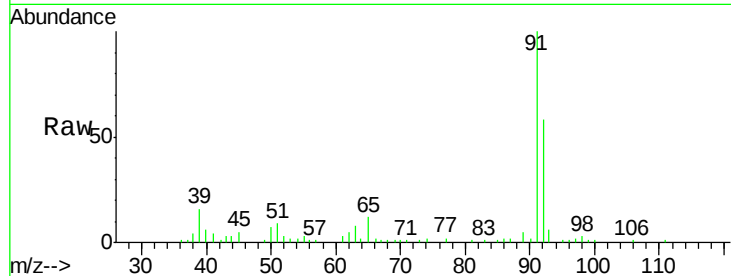
EO-01-080719-B

Tot Ion: 92 Resp: 9135

Ion Ratio Lower Upper

92 100

91 175.6 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 39.812 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

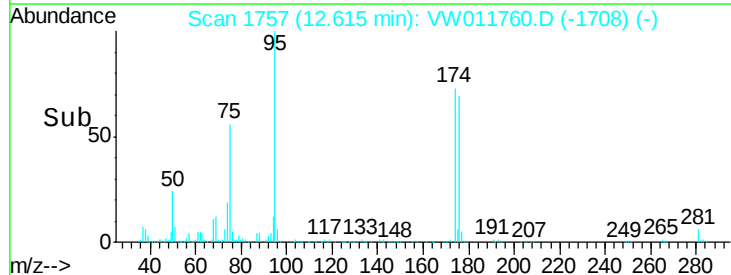
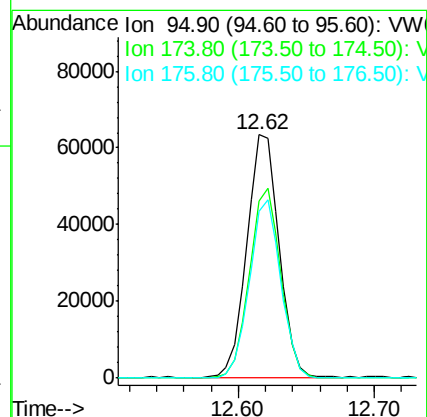
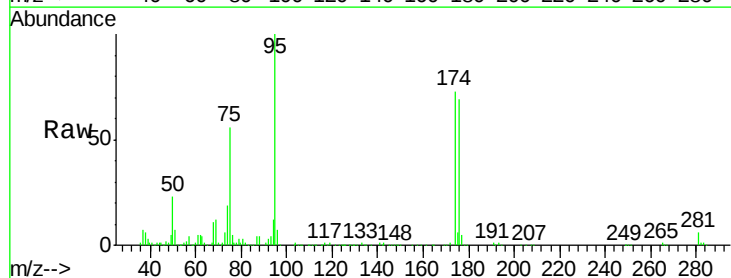
Tgt Ion: 95 Resp: 104852

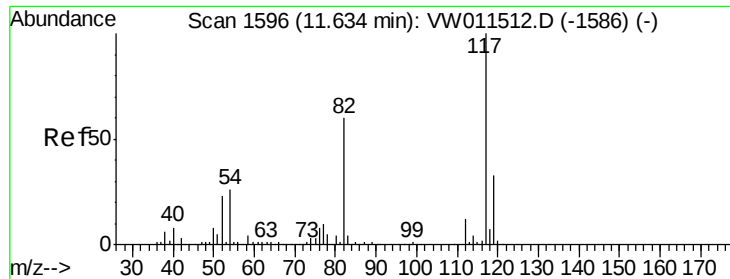
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.2

176 72.1 0.0 144.4

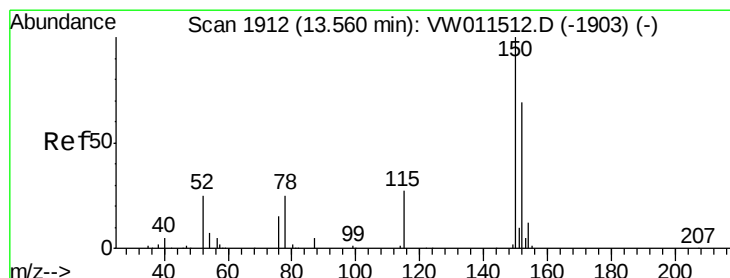
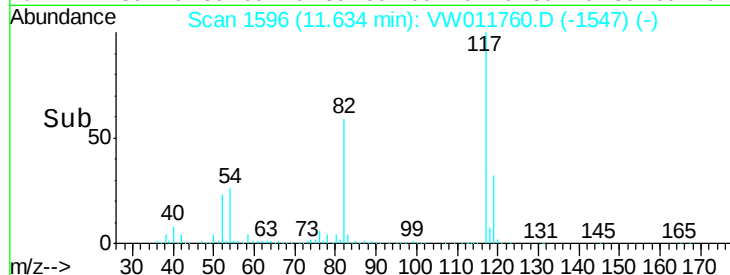
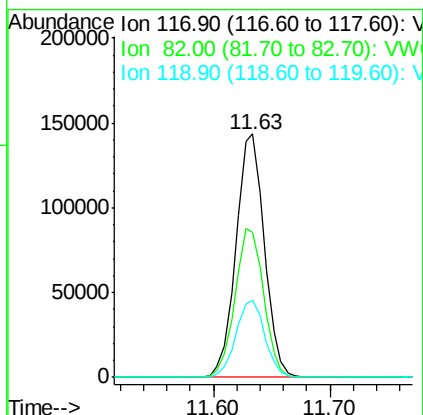
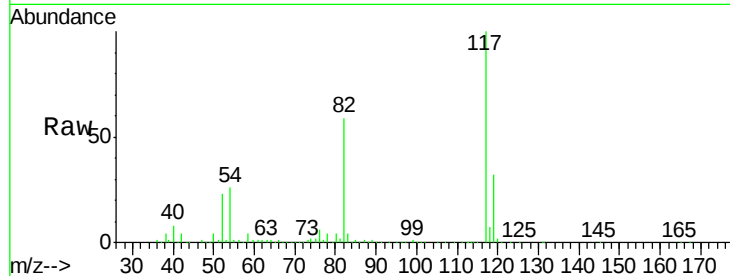




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011760.D
Acq: 07 Aug 2019 19:05

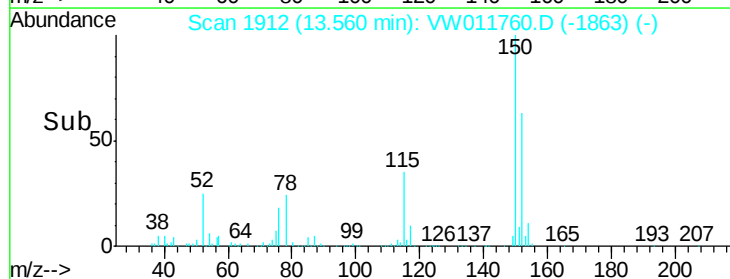
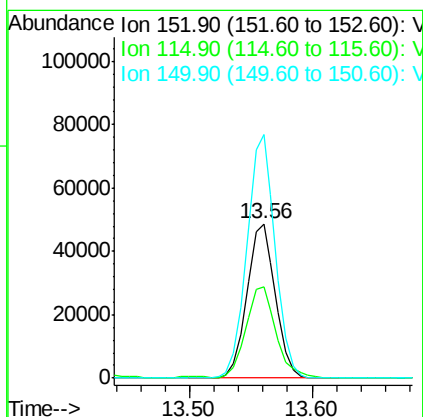
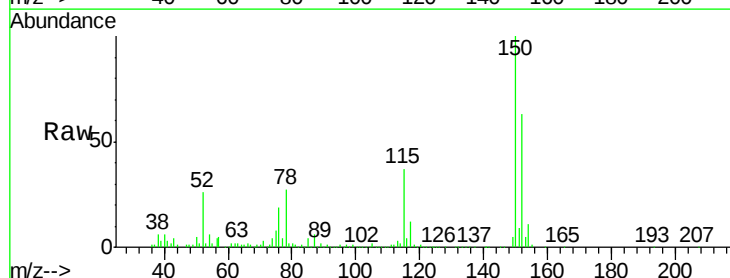
Instrument :
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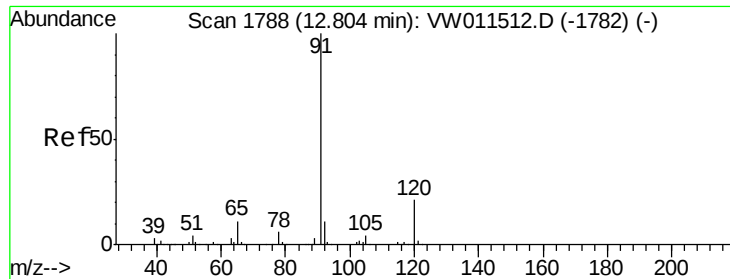
Tot Ion:117 Resp: 243843
Ion Ratio Lower Upper
117 100
82 59.3 47.9 71.9
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011760.D
Acq: 07 Aug 2019 19:05

Tgt Ion:152 Resp: 78309
Ion Ratio Lower Upper
152 100
115 62.1 30.5 91.5
150 156.7 0.0 352.6





#78

n-propylbenzene

Concen: 1.466 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

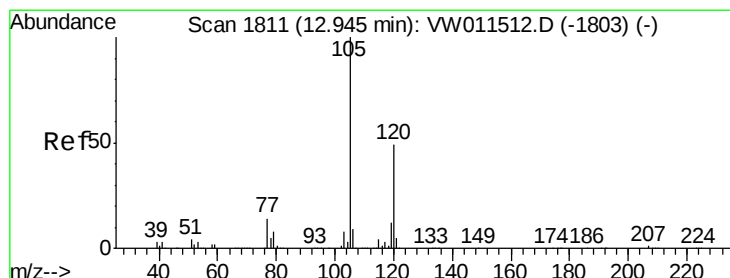
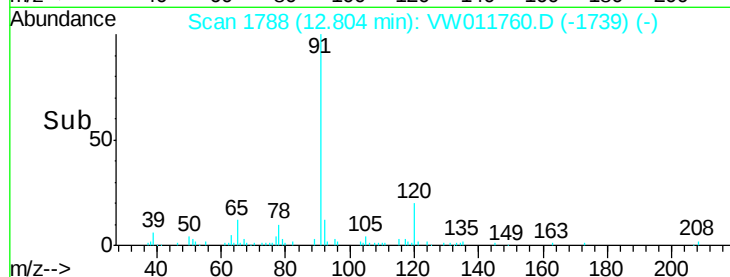
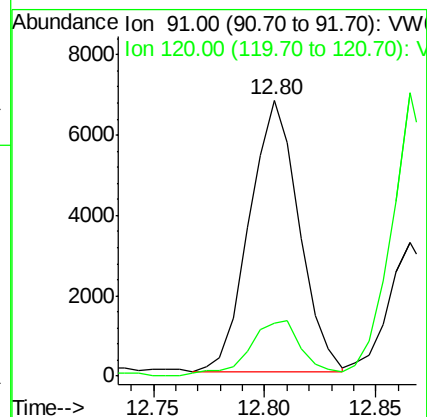
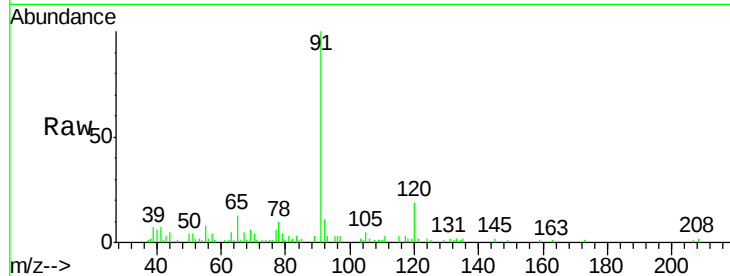
EO-01-080719-B

Tot Ion: 91 Resp: 10422

Ion Ratio Lower Upper

91 100

120 22.2 10.9 32.7



#80

1,3,5-Trimethylbenzene

Concen: 4.013 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011760.D

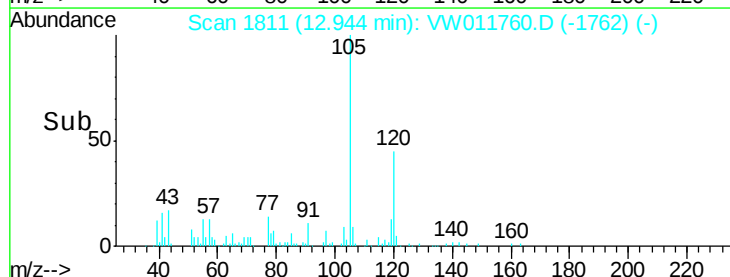
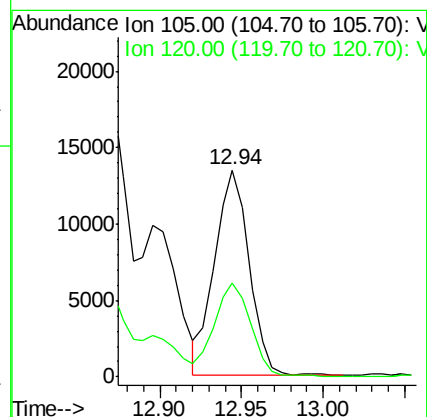
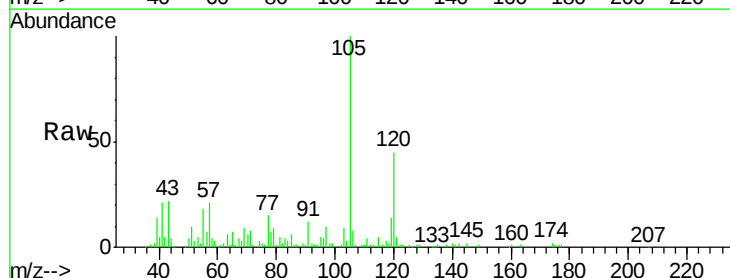
Acq: 07 Aug 2019 19:05

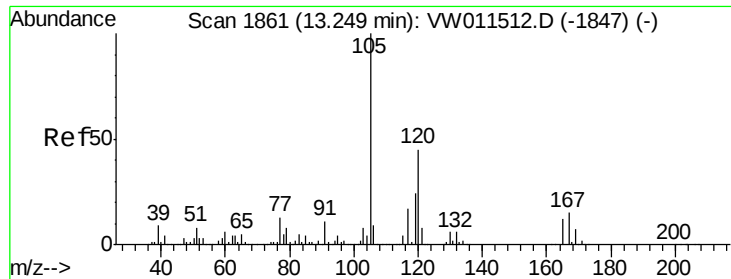
Tgt Ion: 105 Resp: 19654

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.3

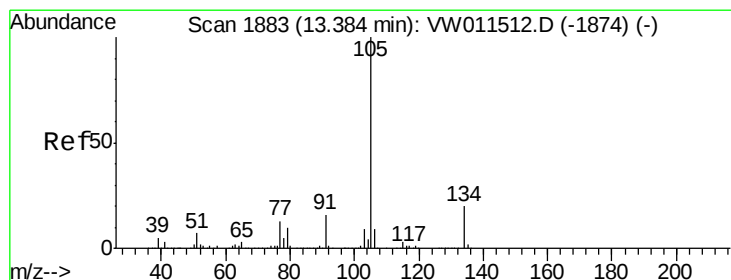
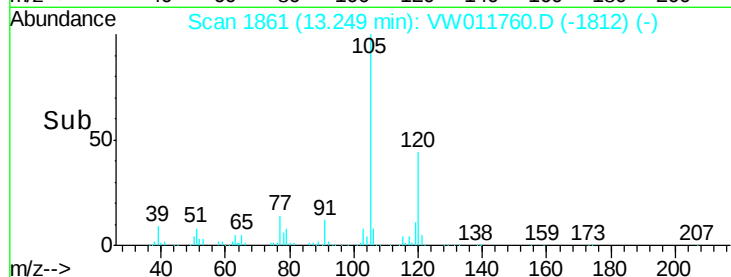
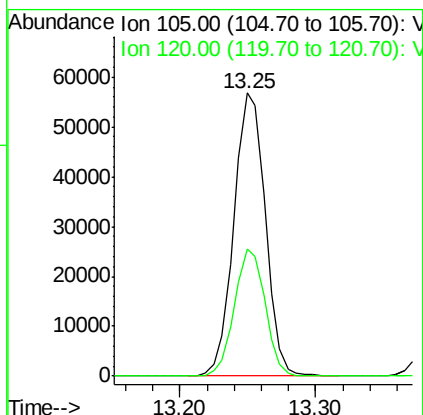
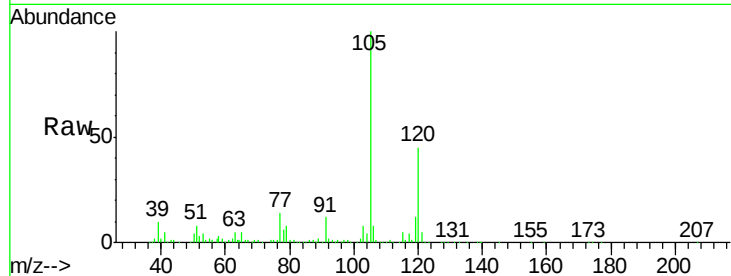




#84
 1,2,4-Trimethylbenzene
 Concen: 18.431 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011760.D
 Acq: 07 Aug 2019 19:05

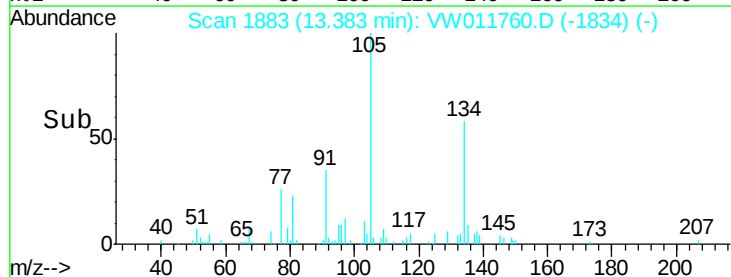
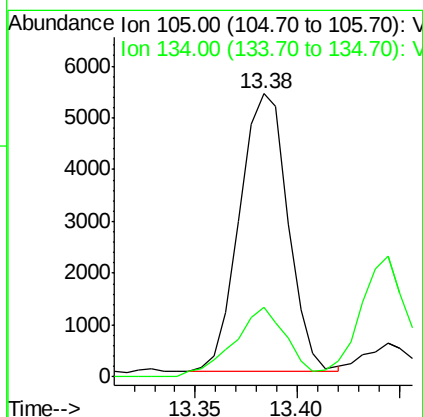
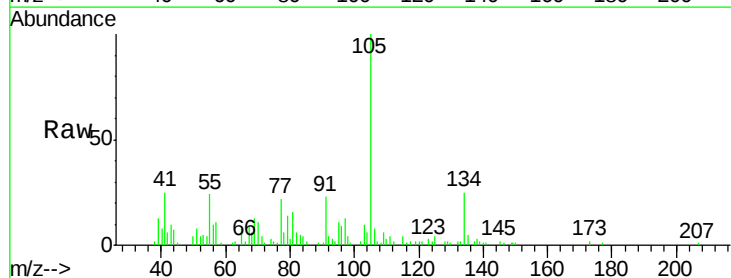
Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-B

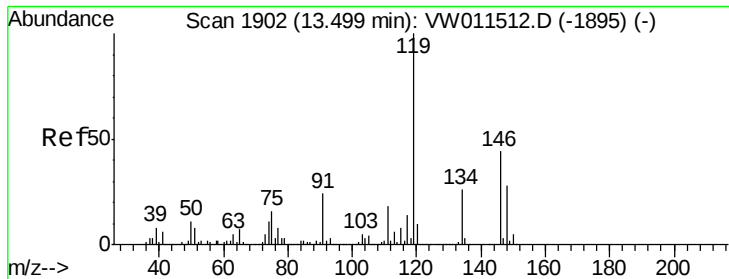
Tot Ion:105 Resp: 90924
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 1.518 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011760.D
 Acq: 07 Aug 2019 19:05

Tgt Ion:105 Resp: 8868
 Ion Ratio Lower Upper
 105 100
 134 27.1 9.7 29.1

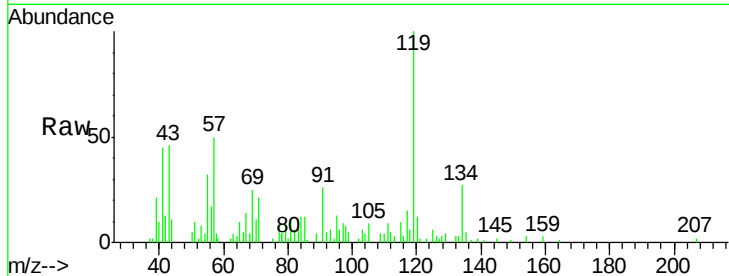




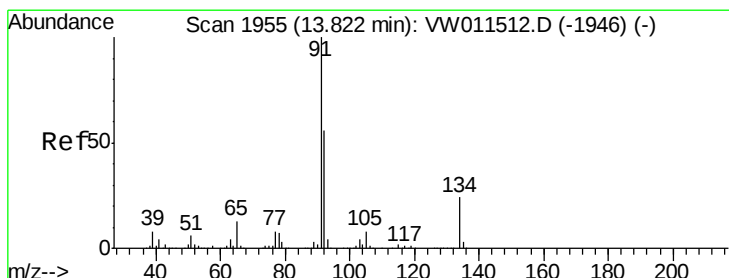
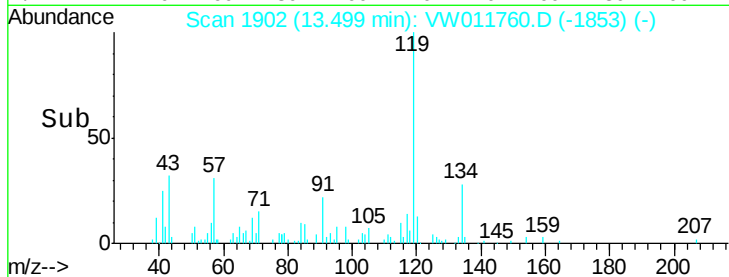
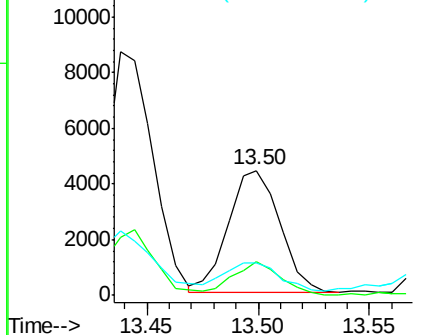
#86
 p-Isopropyltoluene
 Concen: 1.340 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011760.D
 Acq: 07 Aug 2019 19:05

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080719-B

Tot Ion: 119 Resp: 7104
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.4
 91 24.0 12.1 36.3

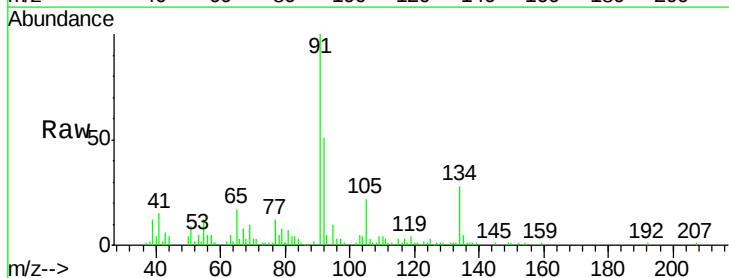


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

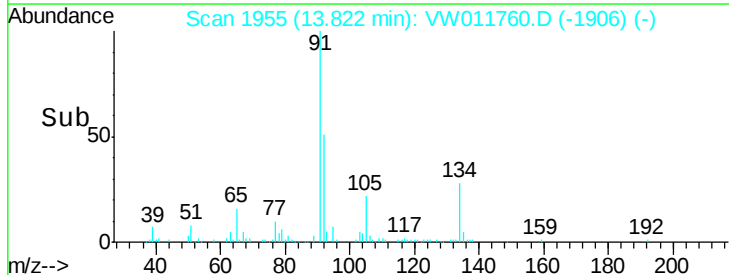
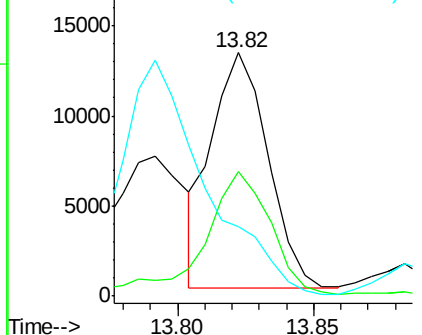


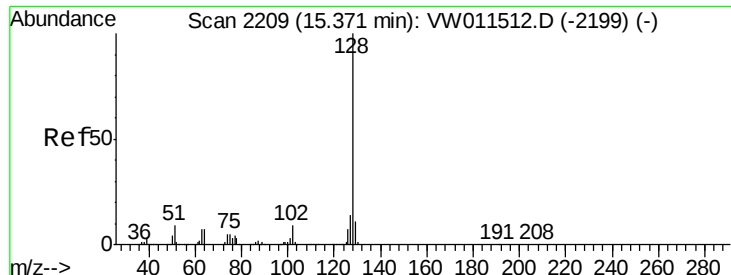
#89
 n-Butylbenzene
 Concen: 3.540 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW011760.D
 Acq: 07 Aug 2019 19:05

Tgt Ion: 91 Resp: 18728
 Ion Ratio Lower Upper
 91 100
 92 60.3 27.5 82.4
 134 0.0 12.2 36.6#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 7.956 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011760.D

Acq: 07 Aug 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080719-B

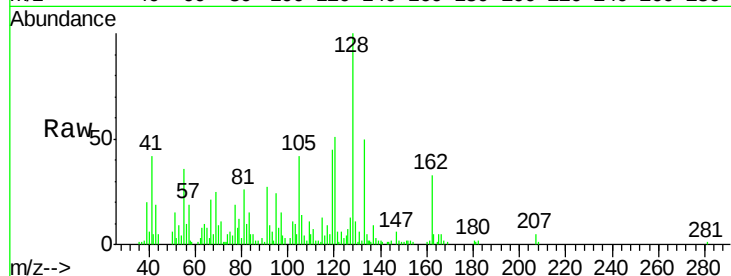
Tot Ion:128 Resp: 18995

Ion Ratio Lower Upper

128 100

127 19.4 10.6 16.0#

129 6.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

