

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002386.D
 Acq On : 10 May 2018 17:40
 Operator : JC/SY
 Sample : J2733-09RE
 Misc : 3.66G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5BRE

Quant Time: May 11 05:38:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	183689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	294359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	238266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85557	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	85327	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	
35) Dibromofluoromethane	7.88	113	6472	3.43	ug/l	0.00
Spiked Amount			Recovery	=	6.86%	
50) Toluene-d8	10.33	98	243000	33.77	ug/l	0.00
Spiked Amount			Recovery	=	67.54%	
62) 4-Bromofluorobenzene	12.63	95	78638	30.25	ug/l	0.00
Spiked Amount			Recovery	=	60.50%	

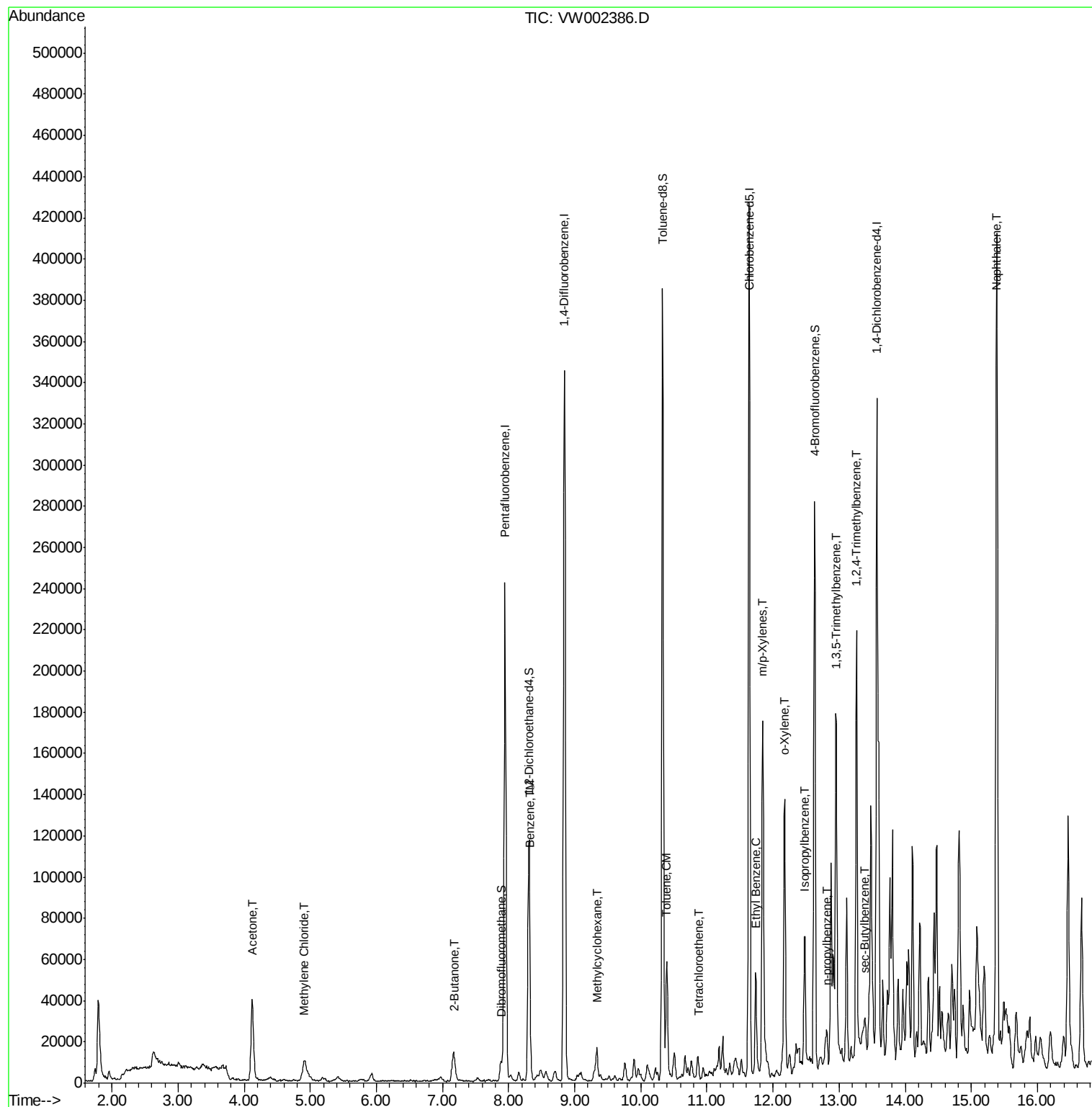
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	68696	180.32	ug/l	94
20) Methylene Chloride	4.91	84	8991	4.90	ug/l	96
25) 2-Butanone	7.18	43	12797	22.62	ug/l	97
39) Methylcyclohexane	9.34	83	5719	1.84	ug/l	94
40) Benzene	8.32	78	10819	1.39	ug/l	93
52) Toluene	10.39	92	22661	4.59	ug/l	95
64) Tetrachloroethene	10.88	164	1972	1.08	ug/l #	61
67) Ethyl Benzene	11.74	91	30704	3.67	ug/l	95
68) m/p-Xylenes	11.84	106	48916	15.15	ug/l	99
69) o-Xylene	12.18	106	34305	11.17	ug/l	98
73) Isopropylbenzene	12.48	105	11342	2.04	ug/l	95
78) n-propylbenzene	12.81	91	13100	1.99	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	72268	15.46	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	116060	23.95	ug/l	98
85) sec-Butylbenzene	13.40	105	5953	1.04	ug/l	81
95) Naphthalene	15.38	128	338439	102.35	ug/l	99

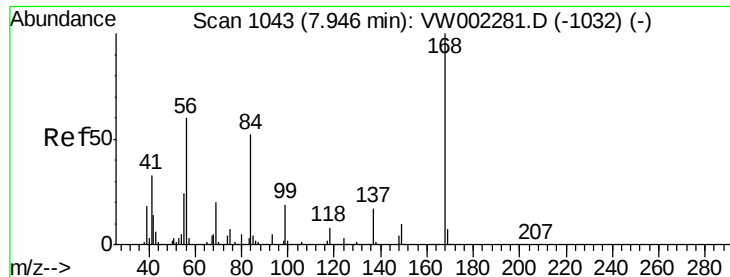
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002386.D

Acq: 10 May 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

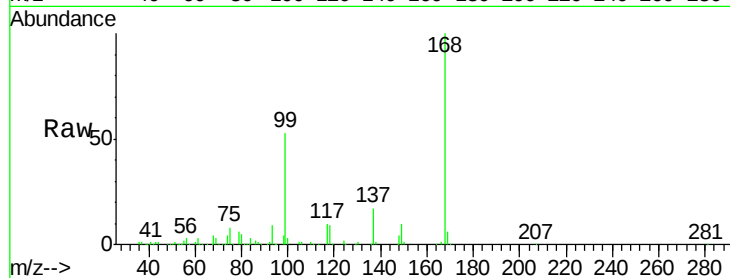
TP-5BRE

Tot Ion:168 Resp: 183689

Ion Ratio Lower Upper

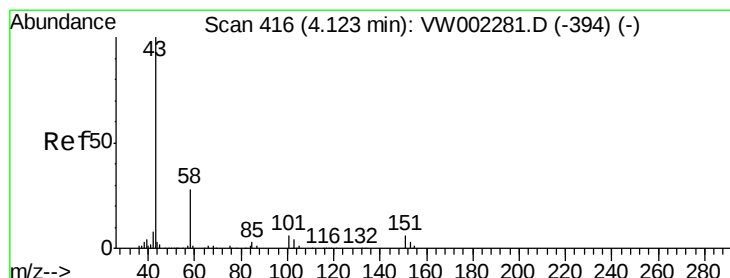
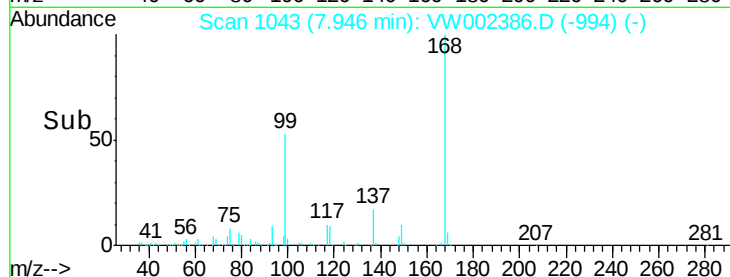
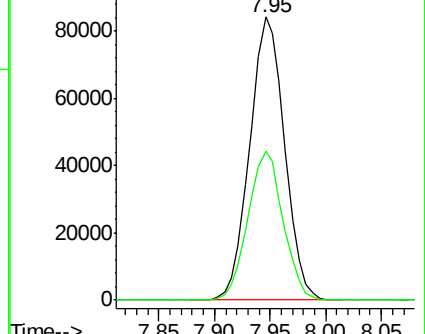
168 100

99 52.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 180.32 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002386.D

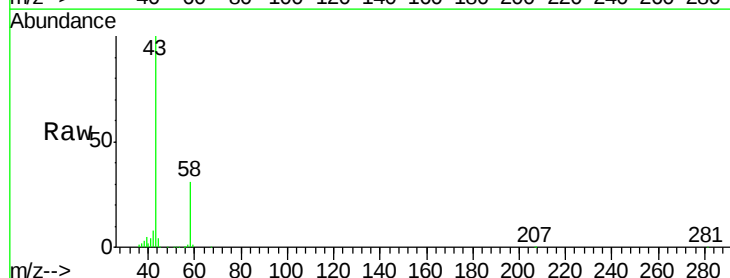
Acq: 10 May 2018 17:40

Tgt Ion: 43 Resp: 68696

Ion Ratio Lower Upper

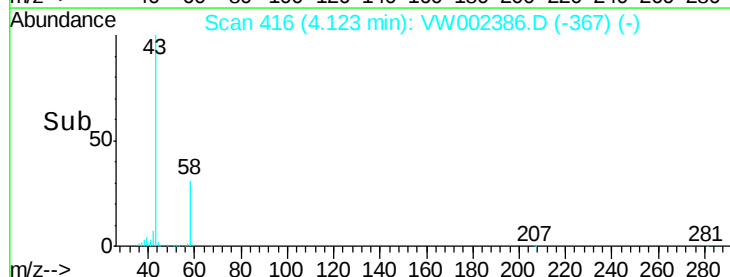
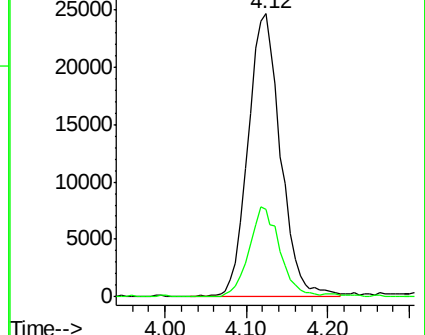
43 100

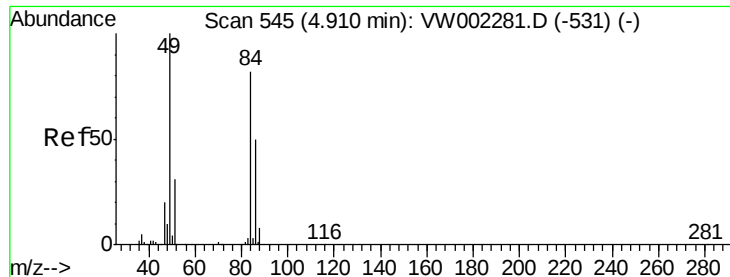
58 30.8 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

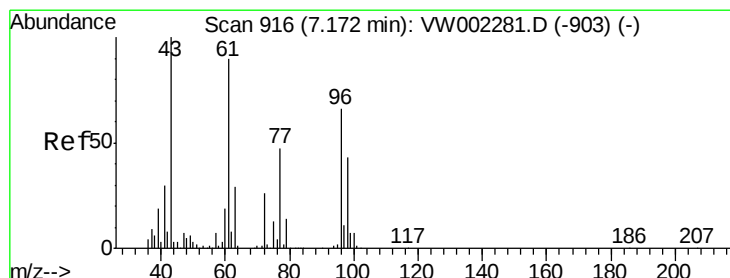
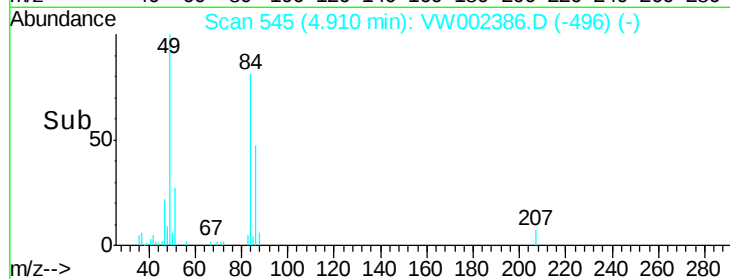
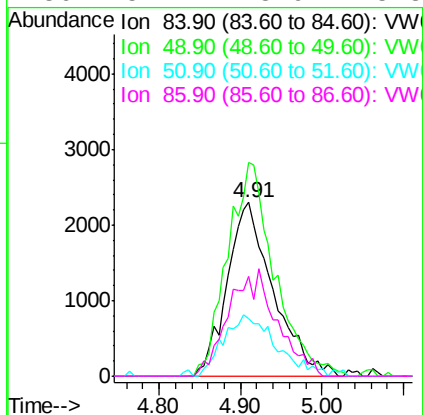
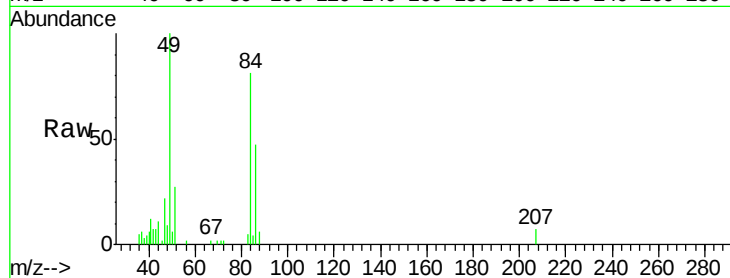




#20
Methvlene Chloride
Concen: 4.90 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

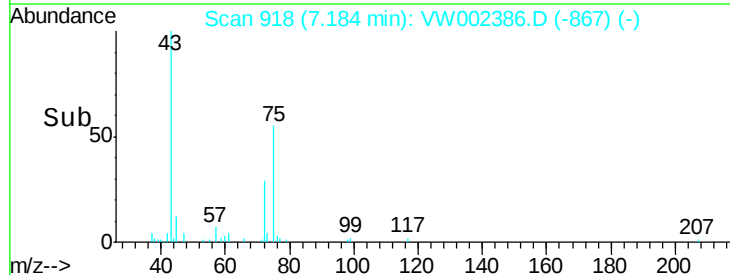
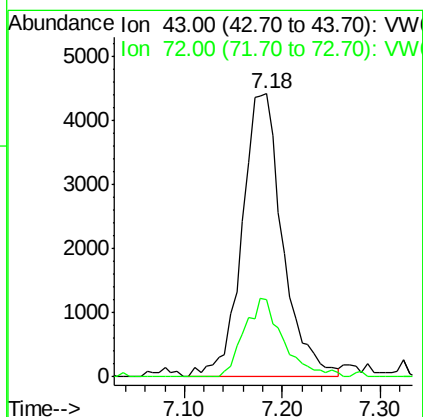
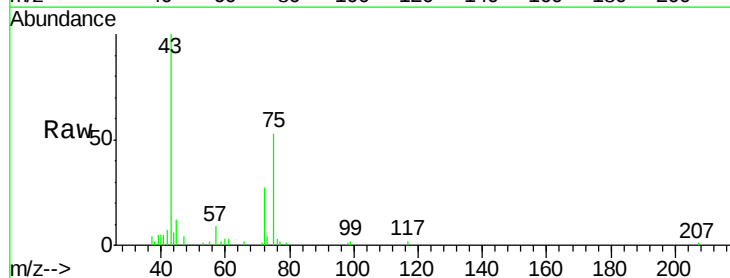
Instrument :
MSVOA_W
ClientSampleId :
TP-5BRE

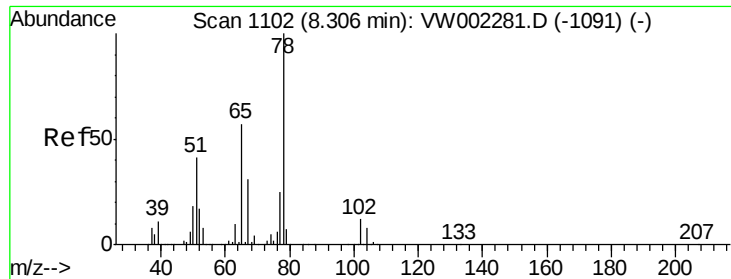
Tot Ion:	84	Resp:	8991
Ion	Ratio	Lower	Upper
84	100		
49	122.9	97.7	146.5
51	30.7	30.2	45.4
86	57.4	48.9	73.3



#25
2-Butanone
Concen: 22.62 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Tgt Ion:	43	Resp:	12797
Ion	Ratio	Lower	Upper
43	100		
72	27.5	20.6	31.0

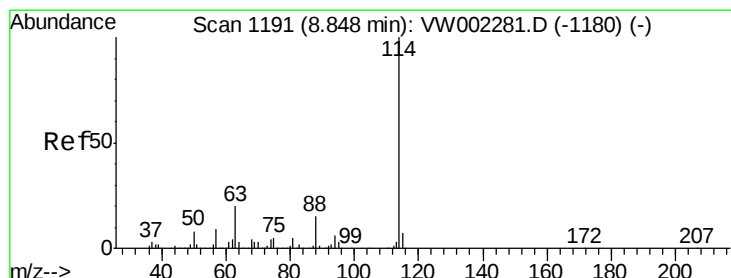
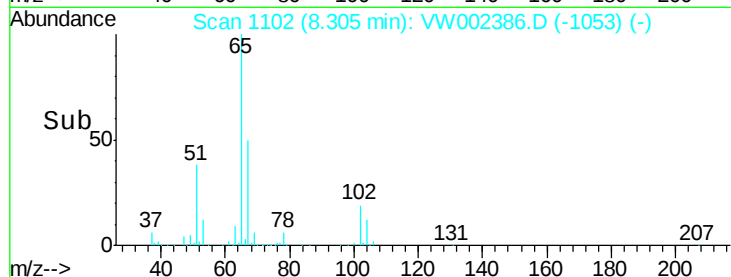
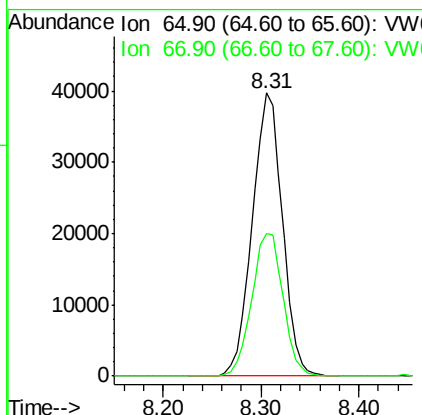
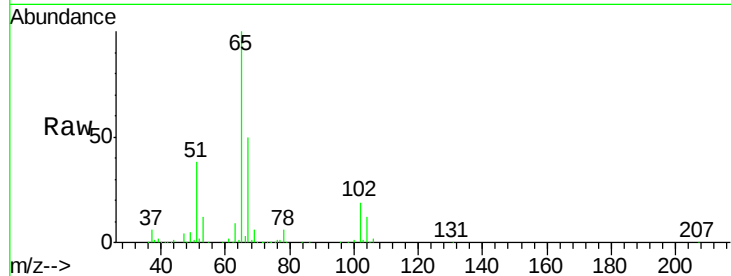




#33
 1,2-Dichloroethane-d4
 Concen: 43.74 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

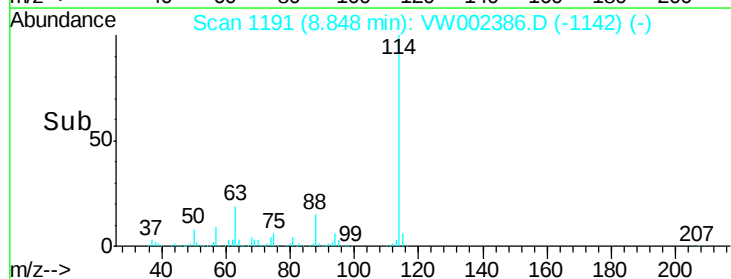
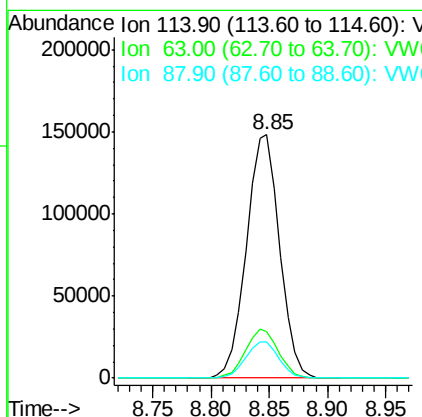
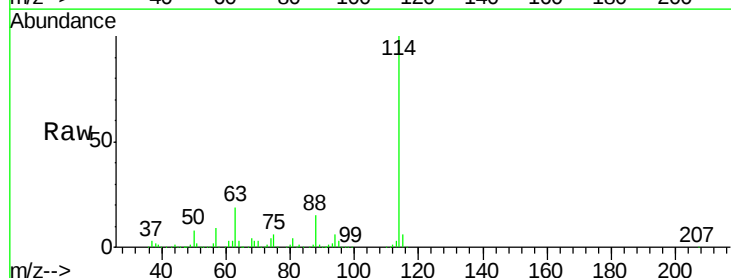
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5BRE

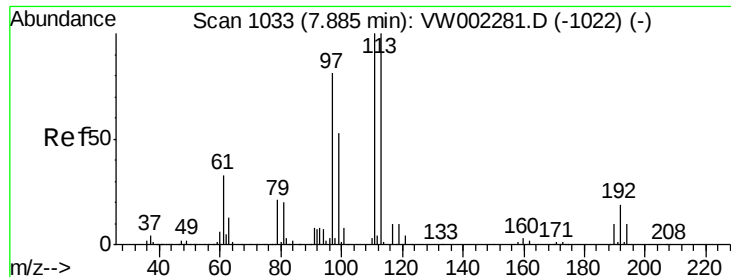
Tot Ion: 65 Resp: 85327
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

Tgt Ion: 114 Resp: 294359
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.1 0.0 29.6

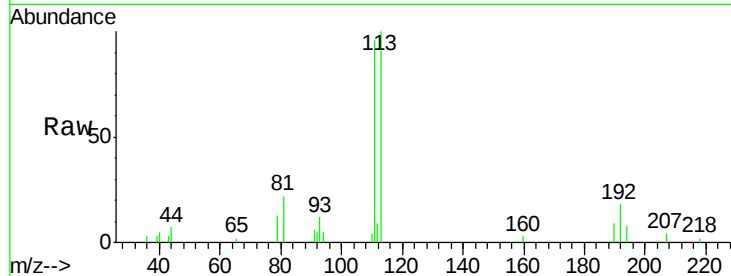




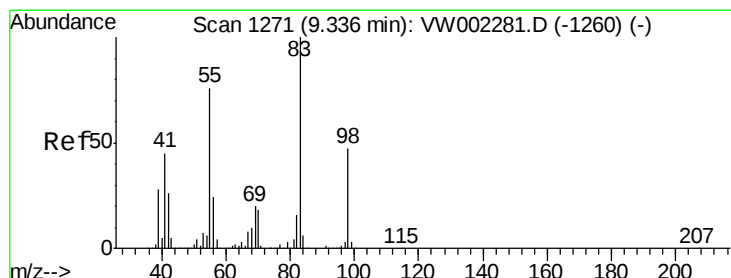
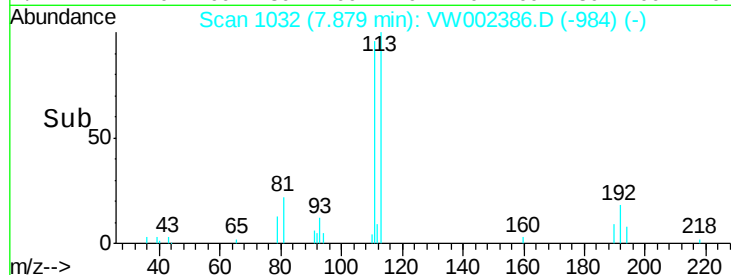
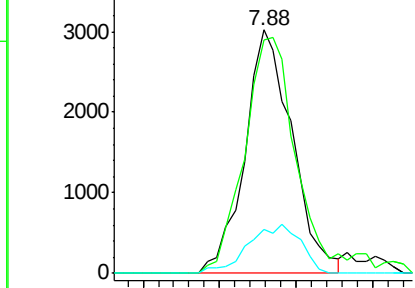
#35
Dibromofluoromethane
Concen: 3.43 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Instrument :
MSVOA_W
ClientSampleId :
TP-5BRE

Tot Ion:113 Resp: 6472
Ion Ratio Lower Upper
113 100
111 105.3 81.5 122.3
192 22.4 16.4 24.6

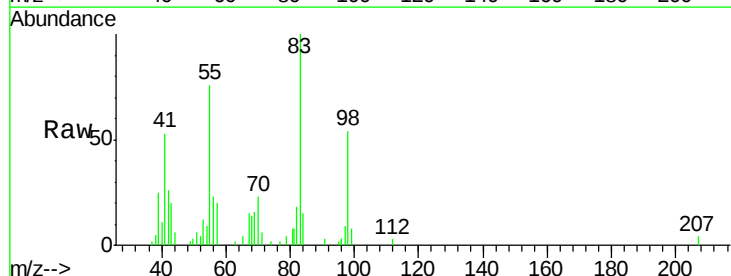


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

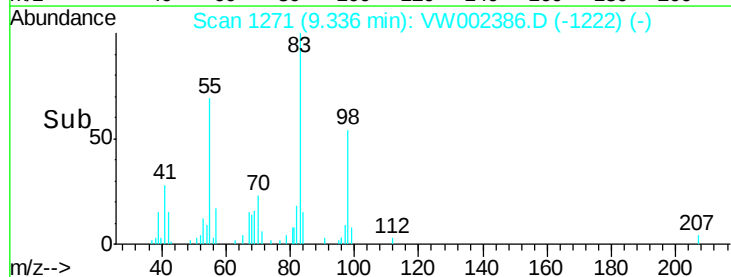
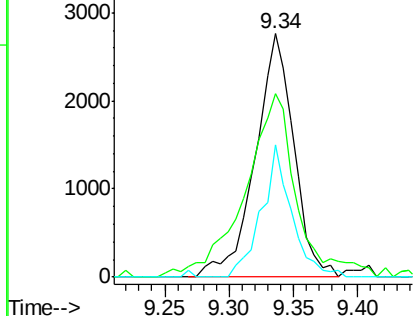


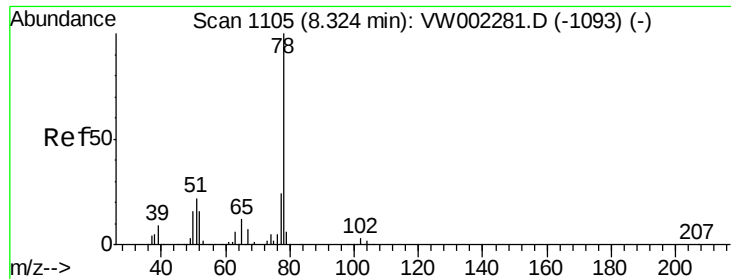
#39
Methylcyclohexane
Concen: 1.84 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Tgt Ion: 83 Resp: 5719
Ion Ratio Lower Upper
83 100
55 71.1 60.6 91.0
98 51.8 37.4 56.0



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: 1.39 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW002386.D

Acq: 10 May 2018 17:40

Instrument :

MSVOA_W

ClientSampled :

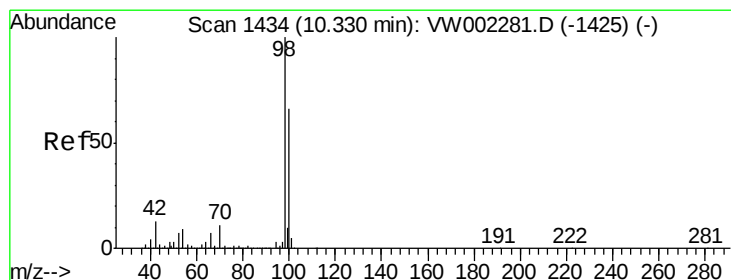
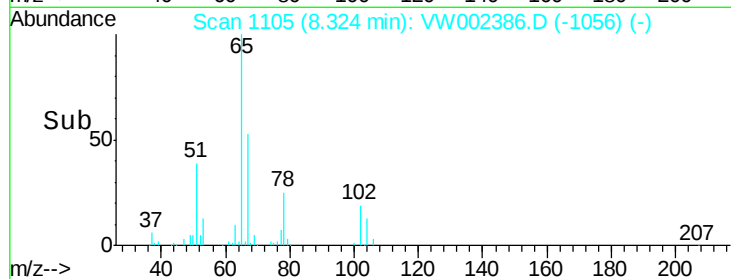
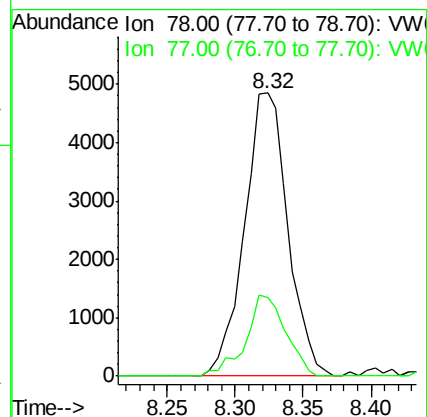
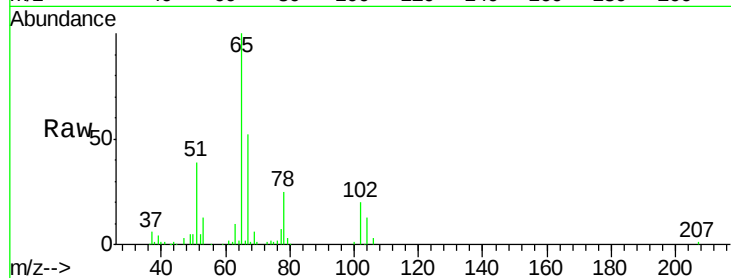
TP-5BRE

Tot Ion: 78 Resp: 10819

Ion Ratio Lower Upper

78 100

77 27.8 19.3 28.9



#50

Toluene-d8

Concen: 33.77 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002386.D

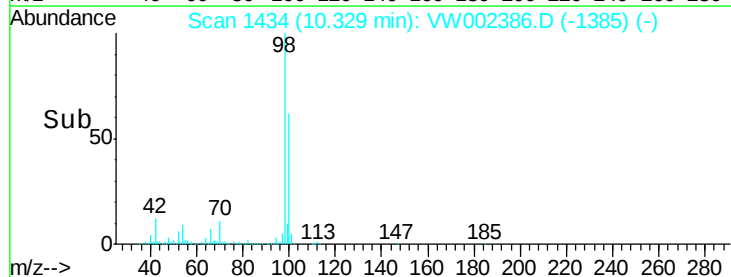
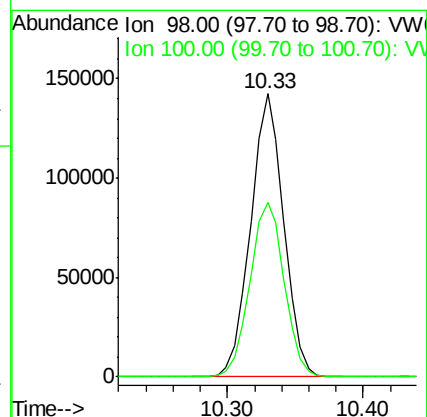
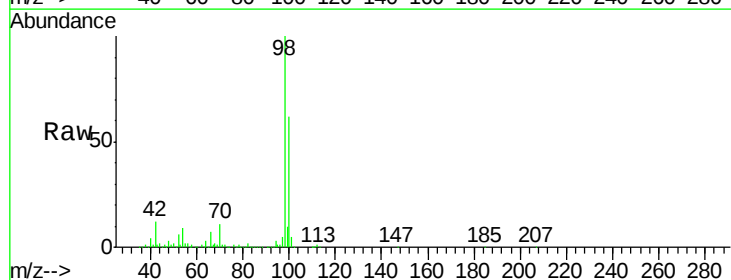
Acq: 10 May 2018 17:40

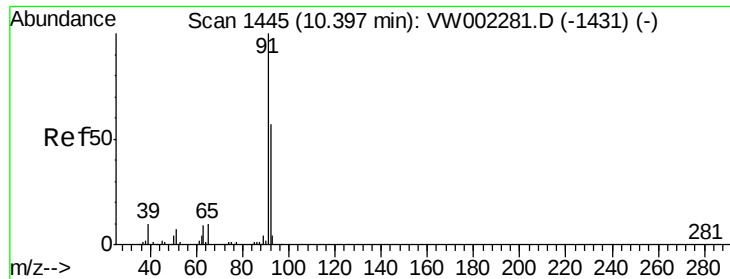
Tgt Ion: 98 Resp: 243000

Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.2





#52

Toluene

Concen: 4.59 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002386.D

Acq: 10 May 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

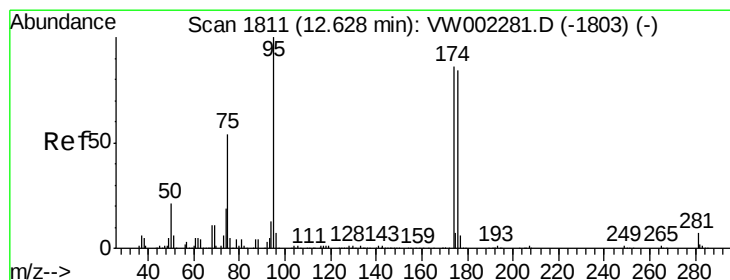
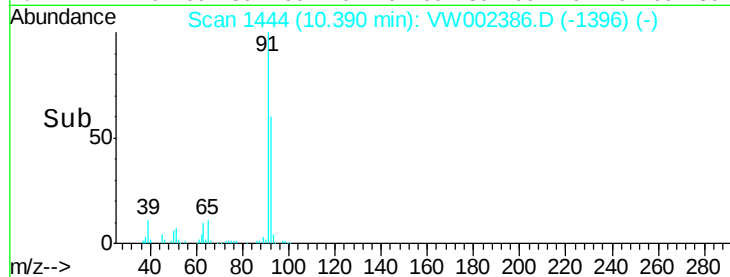
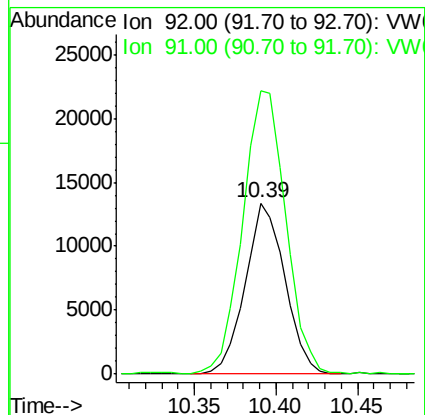
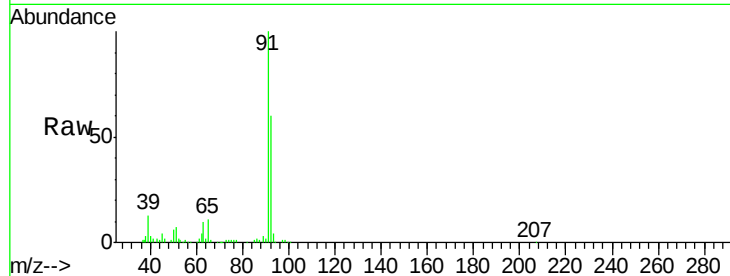
TP-5BRE

Tot Ion: 92 Resp: 22661

Ion Ratio Lower Upper

92 100

91 179.9 138.6 208.0



#62

4-Bromofluorobenzene

Concen: 30.25 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002386.D

Acq: 10 May 2018 17:40

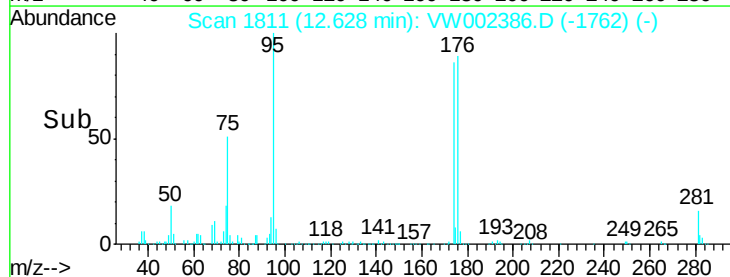
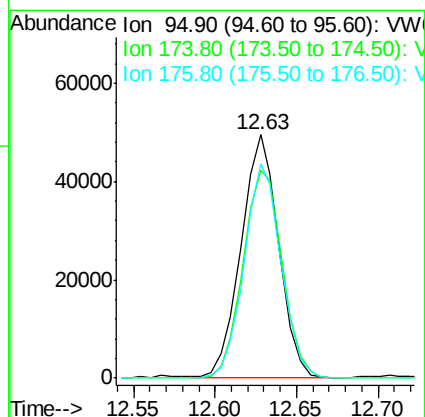
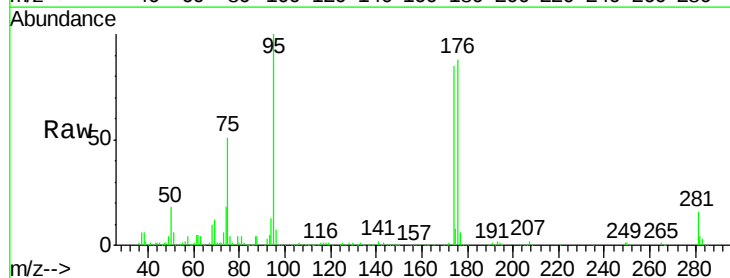
Tgt Ion: 95 Resp: 78638

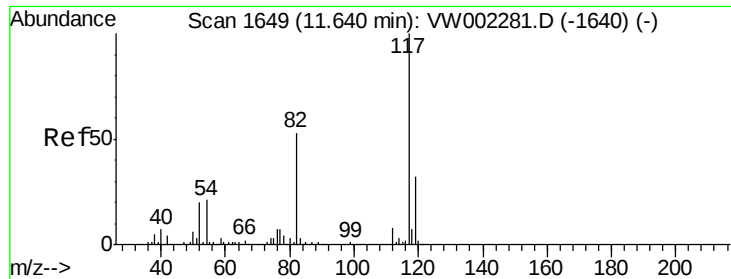
Ion Ratio Lower Upper

95 100

174 89.8 0.0 176.8

176 87.2 0.0 170.4

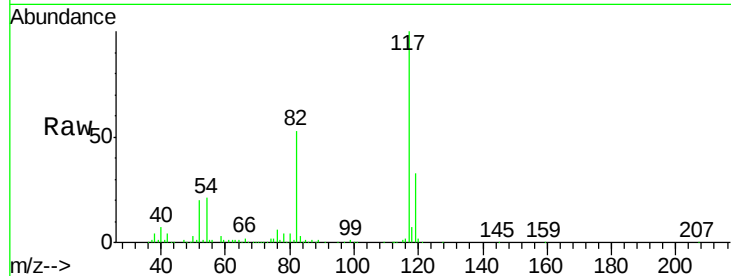




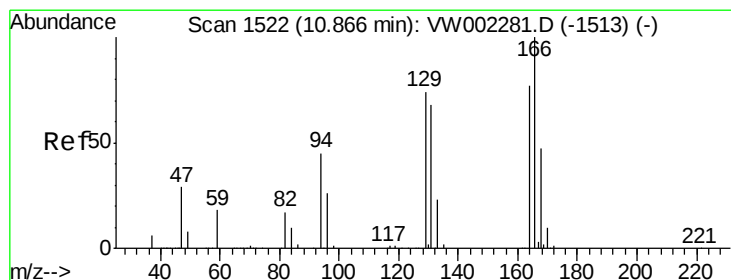
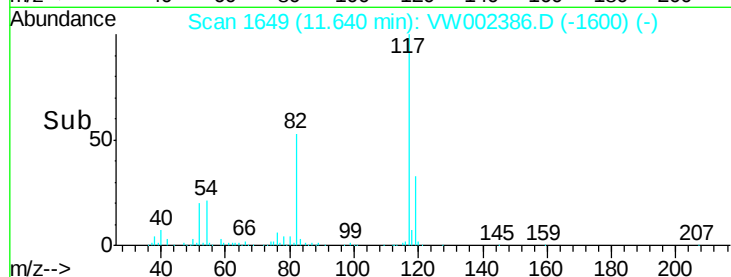
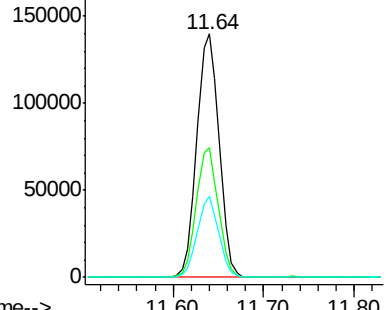
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Instrument :
MSVOA_W
ClientSampled :
TP-5BRE

Tot Ion:117 Resp: 238266
Ion Ratio Lower Upper
117 100
82 53.3 42.6 63.8
119 33.3 25.2 37.8

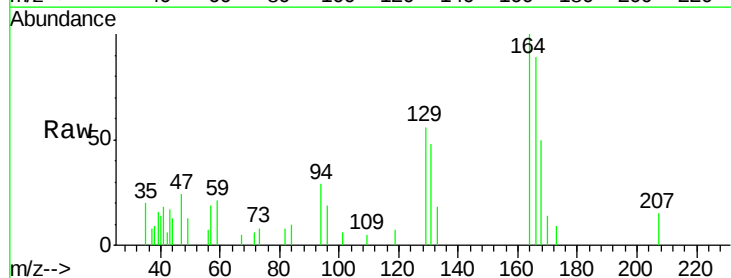


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

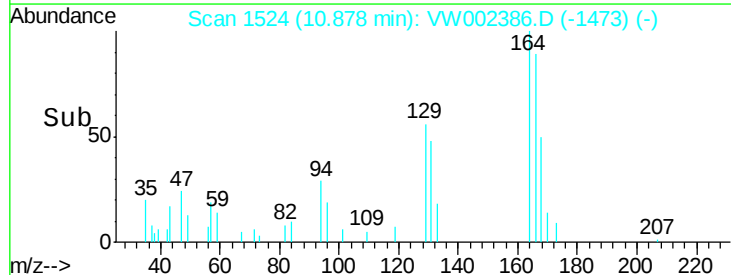
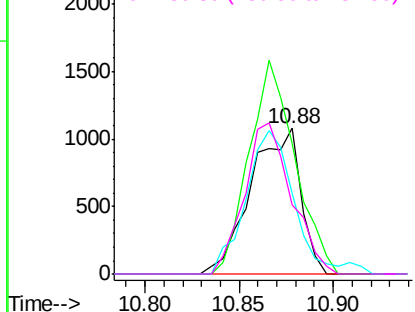


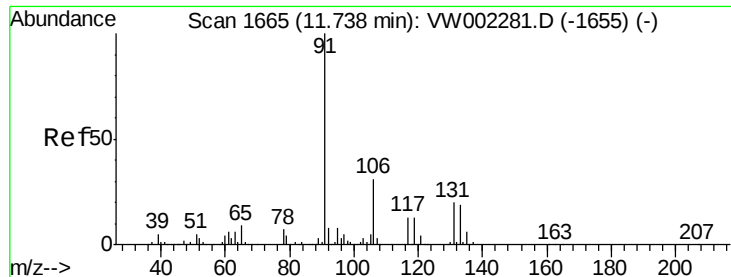
#64
Tetrachloroethene
Concen: 1.08 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Tgt Ion:164 Resp: 1972
Ion Ratio Lower Upper
164 100
166 89.4 103.3 154.9#
129 55.8 76.6 114.8#
131 47.9 70.7 106.1#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

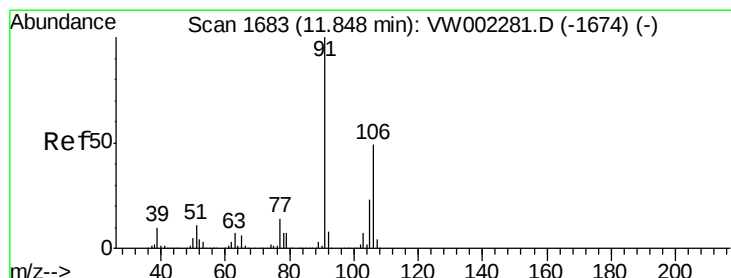
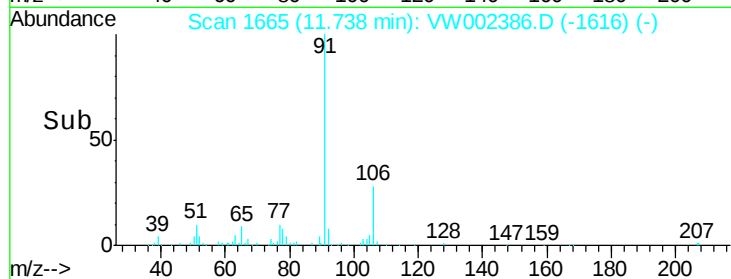
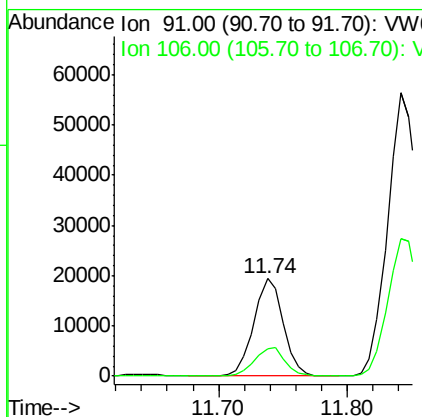
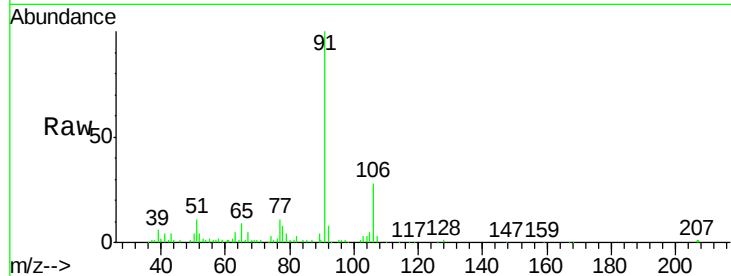




#67
Ethyl Benzene
Concen: 3.67 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

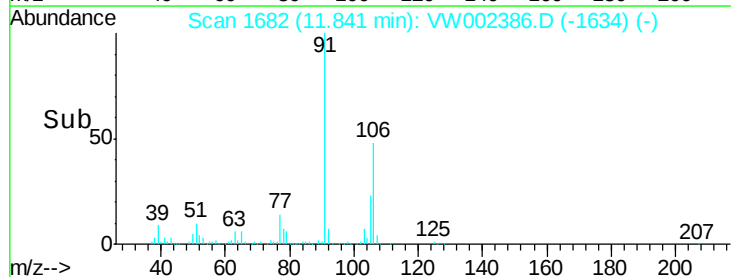
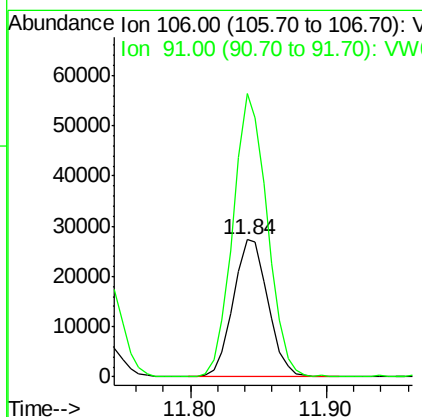
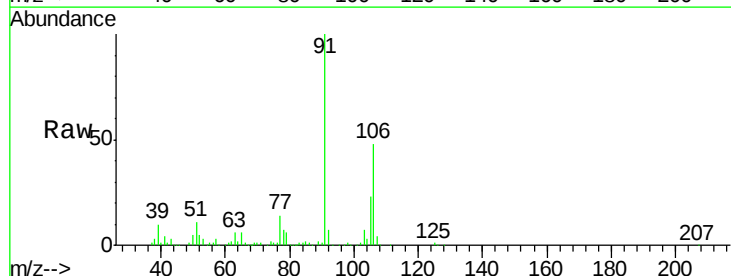
Instrument :
MSVOA_W
ClientSampled :
TP-5BRE

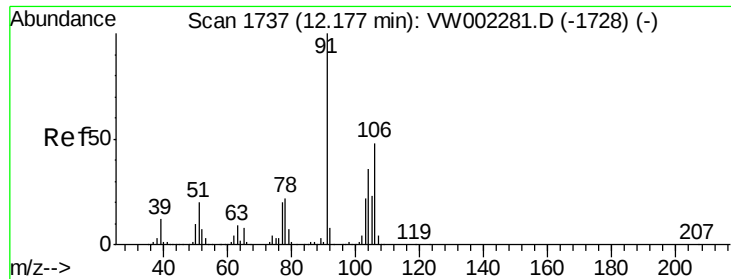
Tot Ion: 91 Resp: 30704
Ion Ratio Lower Upper
91 100
106 28.2 24.9 37.3



#68
m/p-Xylenes
Concen: 15.15 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Tgt Ion: 106 Resp: 48916
Ion Ratio Lower Upper
106 100
91 203.0 161.4 242.0

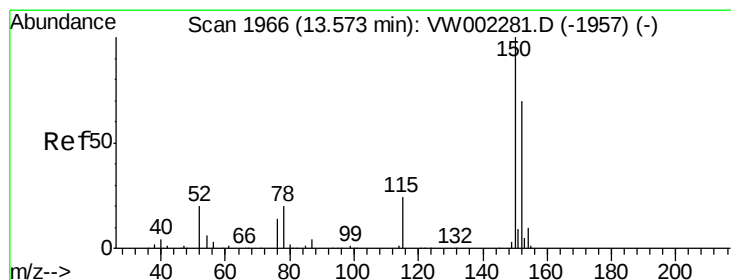
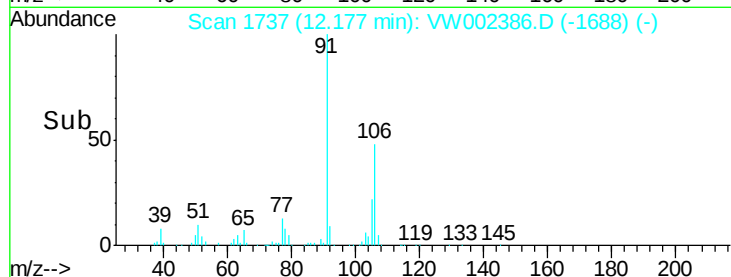
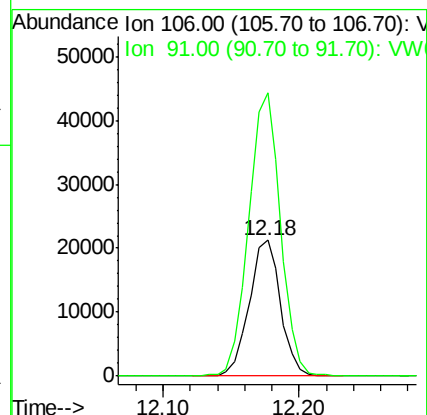
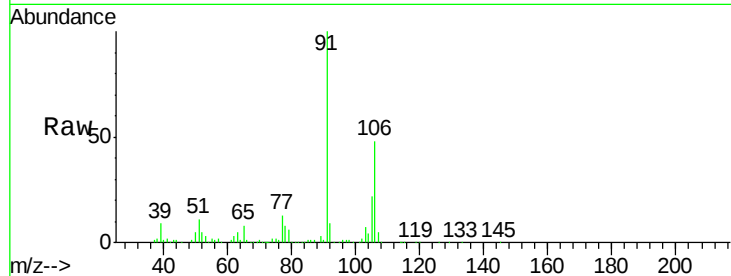




#69
o-Xylene
Concen: 11.17 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

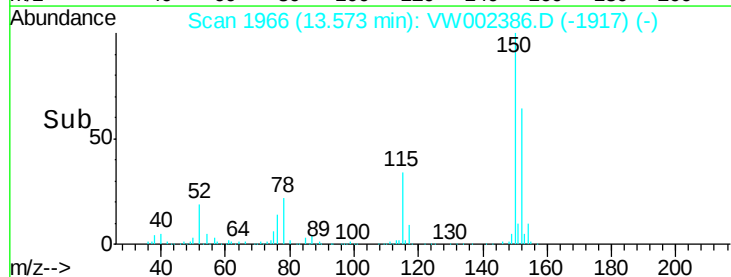
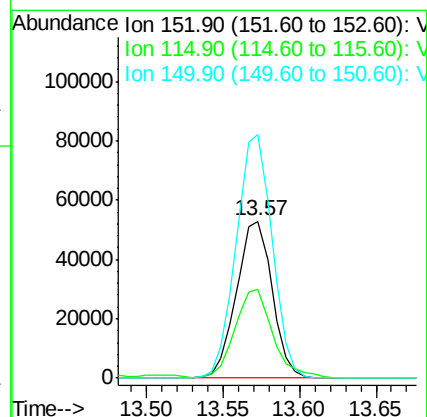
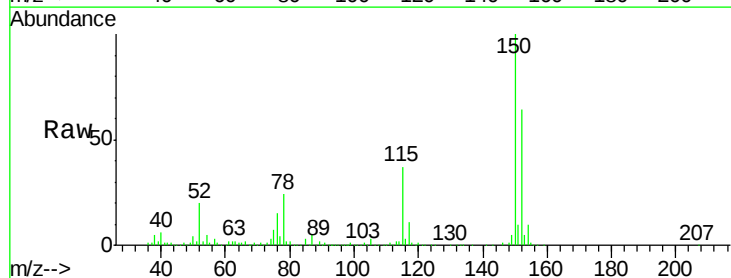
Instrument :
MSVOA_W
ClientSampled :
TP-5BRE

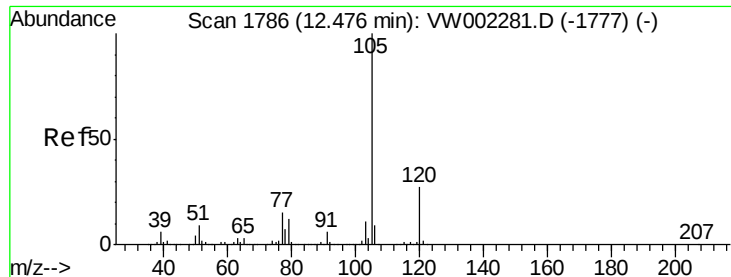
Tot Ion:106 Resp: 34305
Ion Ratio Lower Upper
106 100
91 211.7 107.1 321.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002386.D
Acq: 10 May 2018 17:40

Tgt Ion:152 Resp: 85557
Ion Ratio Lower Upper
152 100
115 59.5 28.5 85.5
150 156.9 0.0 342.6





#73

Isopropylbenzene

Concen: 2.04 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002386.D

Acq: 10 May 2018 17:40

Instrument :

MSVOA_W

ClientSampleId :

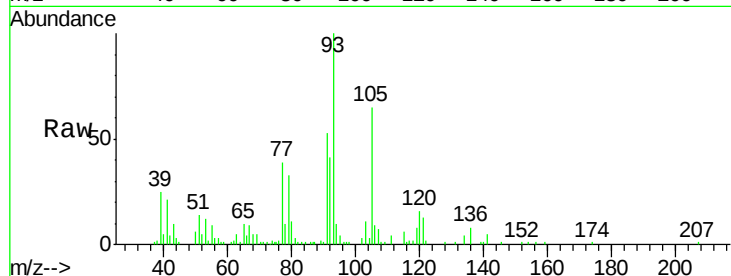
TP-5BRE

Tot Ion:105 Resp: 11342

Ion Ratio Lower Upper

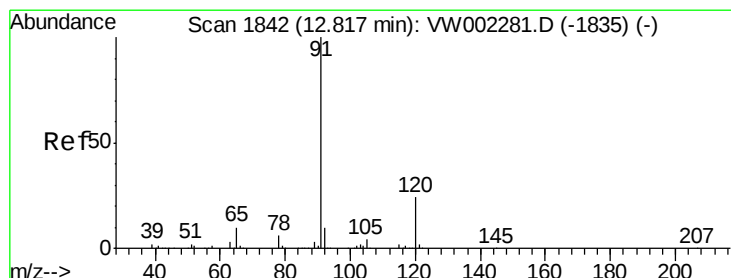
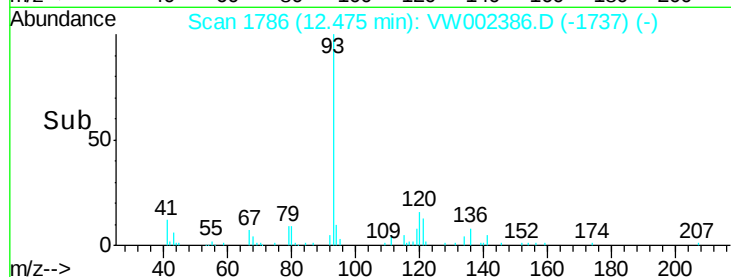
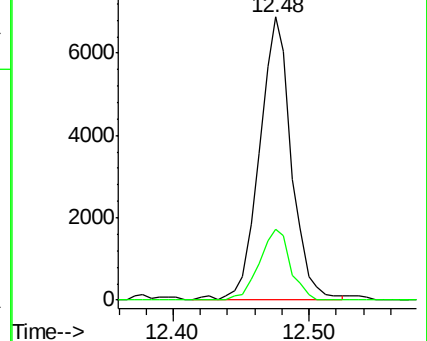
105 100

120 24.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.99 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VW002386.D

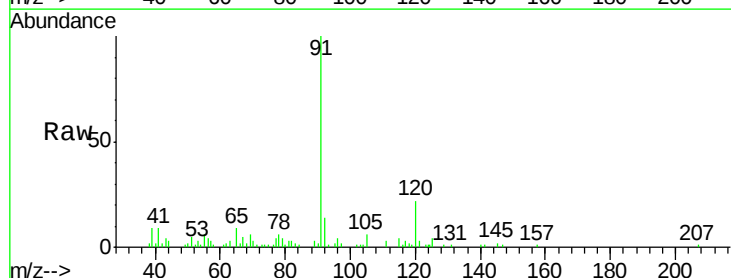
Acq: 10 May 2018 17:40

Tgt Ion: 91 Resp: 13100

Ion Ratio Lower Upper

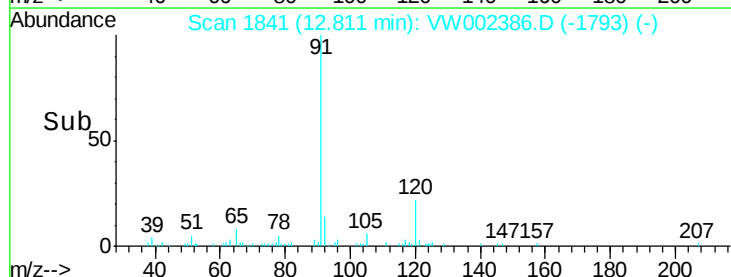
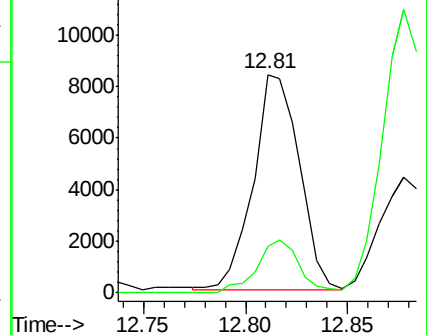
91 100

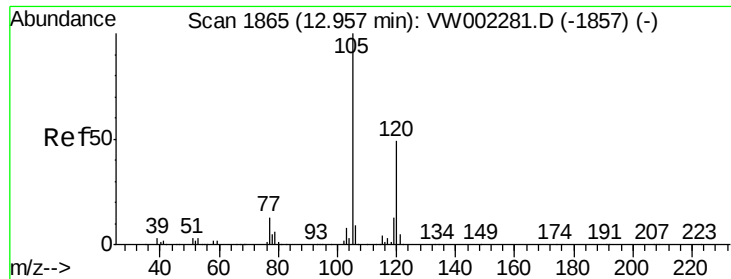
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

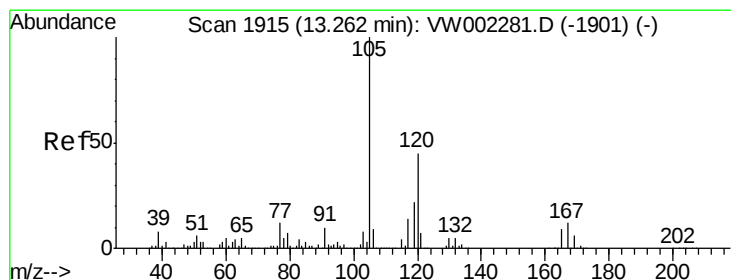
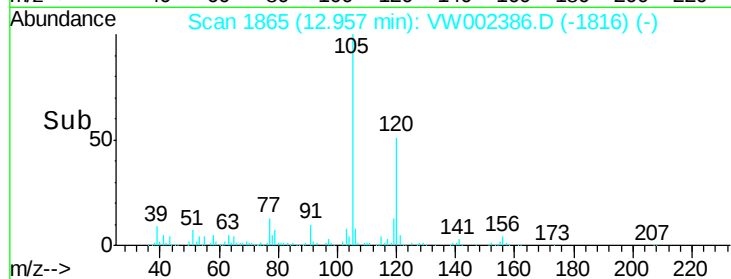
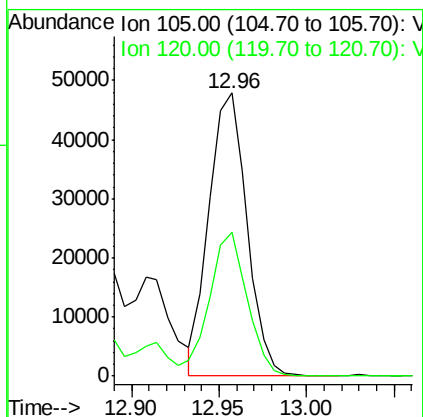
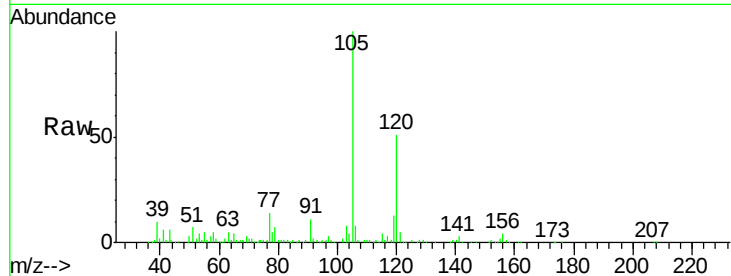




#80
 1,3,5-Trimethylbenzene
 Concen: 15.46 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

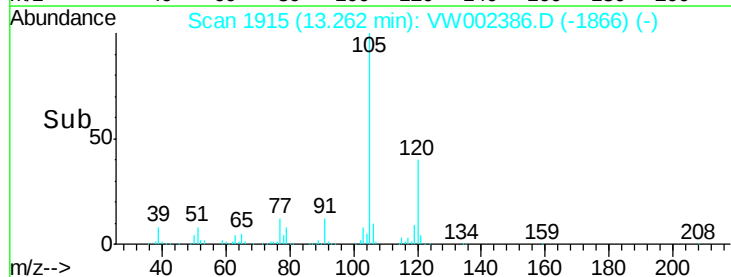
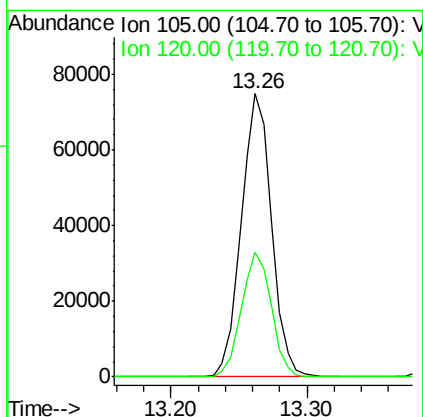
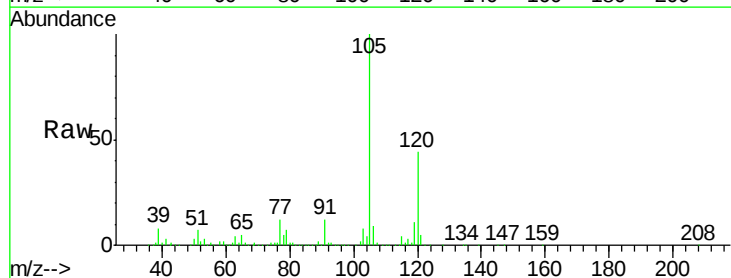
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5BRE

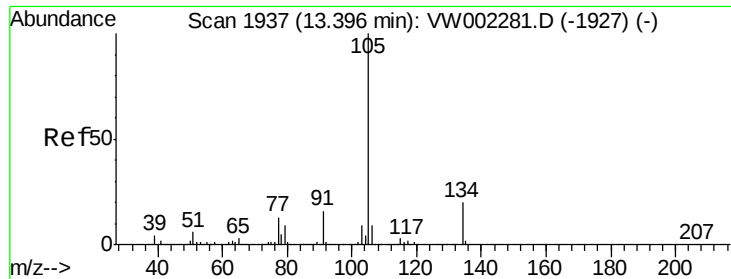
Tot Ion:105 Resp: 72268
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.6 74.0



#84
 1,2,4-Trimethylbenzene
 Concen: 23.95 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

Tgt Ion:105 Resp: 116060
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.5 67.5

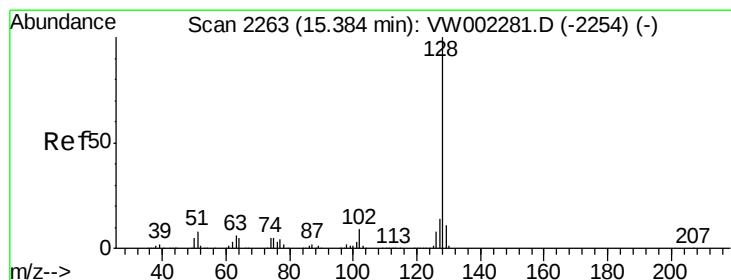
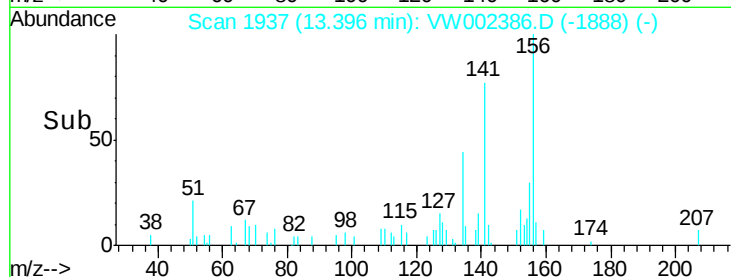
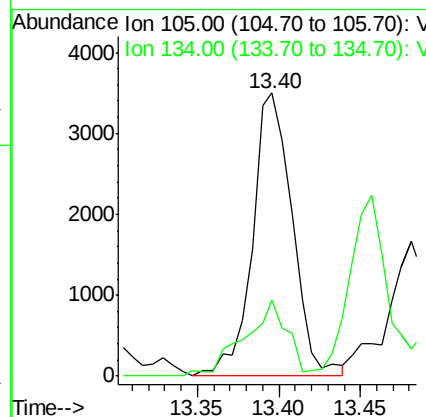
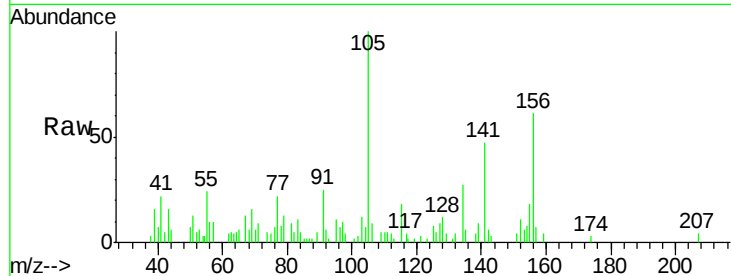




#85
 sec-Butylbenzene
 Concen: 1.04 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-5BRE

Tot Ion:105 Resp: 5953
 Ion Ratio Lower Upper
 105 100
 134 29.3 10.3 30.8



#95
 Naphthalene
 Concen: 102.35 ug/l
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VW002386.D
 Acq: 10 May 2018 17:40

Tgt Ion:128 Resp: 338439
 Ion Ratio Lower Upper
 128 100
 127 13.4 11.0 16.4
 129 11.1 8.7 13.1

