

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007298.D
 Acq On : 06 Dec 2018 23:49
 Operator : SY/AP
 Sample : J6199-01RE
 Misc : 6.67G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 07 01:19:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	26287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	43553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	33380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	11801	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	11686	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	7.89	113	11238	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
50) Toluene-d8	10.32	98	36602	33.32	ug/l	0.00
Spiked Amount			Recovery	=	66.64%	
62) 4-Bromofluorobenzene	12.62	95	13065	31.51	ug/l	0.00
Spiked Amount			Recovery	=	63.02%	

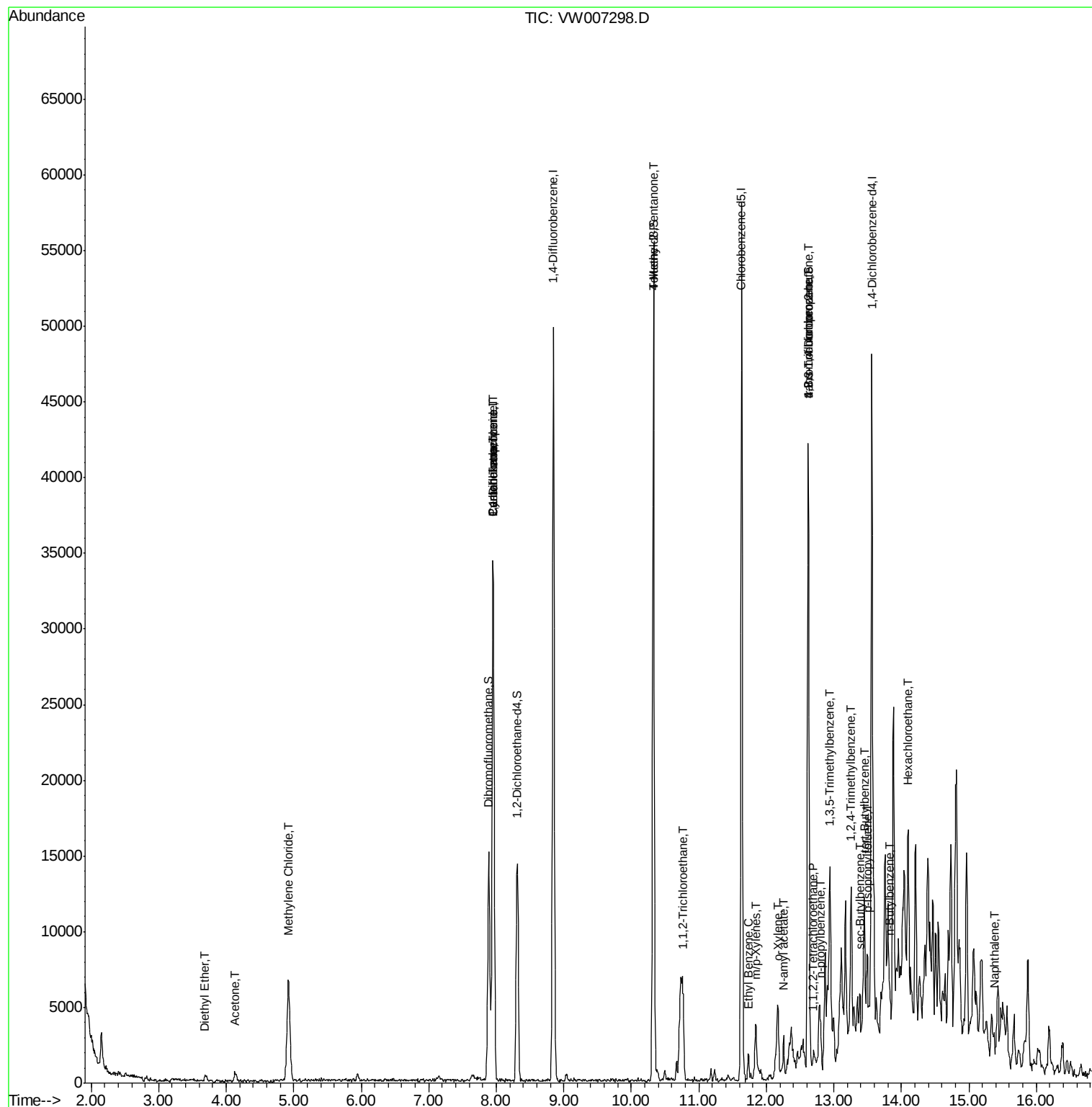
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	254	2.050	ug/l #	2
16) Acetone	4.13	43	1131	19.521	ug/l	98
20) Methylene Chloride	4.93	84	5401	14.844	ug/l	94
31) Cyclohexane	7.96	56	503	1.036	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	2123	5.010	ug/l #	41
38) Carbon Tetrachloride	7.96	117	2650	6.127	ug/l #	13
51) 4-Methyl-2-Pentanone	10.32	43	229	1.561	ug/l #	1
55) 1,1,2-Trichloroethane	10.77	97	346	1.731	ug/l #	15
67) Ethyl Benzene	11.73	91	1376	1.013	ug/l	97
68) m/p-Xylenes	11.85	106	885	1.660	ug/l	91
69) o-Xylene	12.18	106	1272	2.554	ug/l	93
74) N-amyl acetate	12.26	43	619	3.637	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.69	83	137	1.099	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	6247	68.366	ug/l #	100
78) n-propylbenzene	12.81	91	1657	1.449	ug/l	93
80) 1,3,5-Trimethylbenzene	12.95	105	2821	3.436	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	6247	147.352	ug/l #	13
83) tert-Butylbenzene	13.45	119	1679	2.340	ug/l	71
84) 1,2,4-Trimethylbenzene	13.26	105	5934	7.080	ug/l	91
85) sec-Butylbenzene	13.39	105	1572	1.535	ug/l	94
86) p-Isopropyltoluene	13.51	119	1215	1.332	ug/l	87
89) n-Butylbenzene	13.83	91	2416	2.835	ug/l #	66
90) Hexachloroethane	14.11	117	668	4.807	ug/l #	14
95) Naphthalene	15.37	128	1385	3.029	ug/l #	77

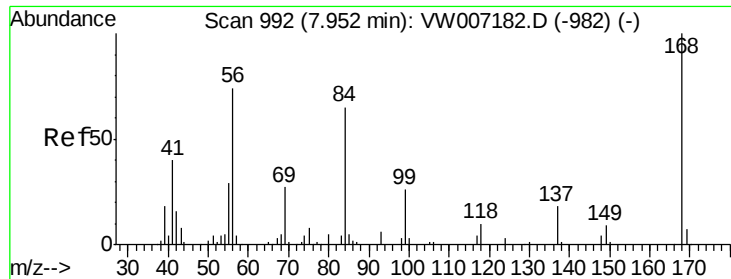
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007298.D
Acq On : 06 Dec 2018 23:49
Operator : SY/AP
Sample : J6199-01RE
Misc : 6.67G/5ML/MSVOA W/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 07 01:19:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

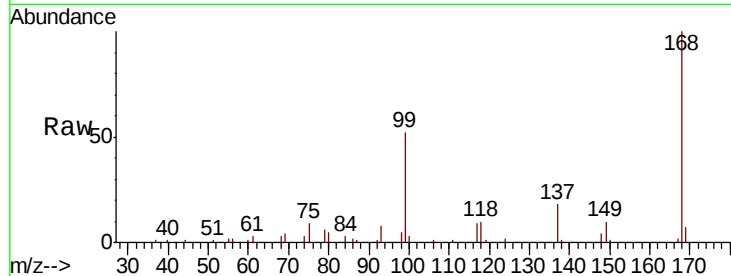
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 26287

Ion Ratio Lower Upper

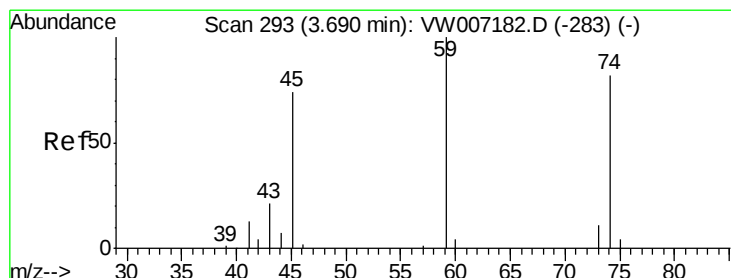
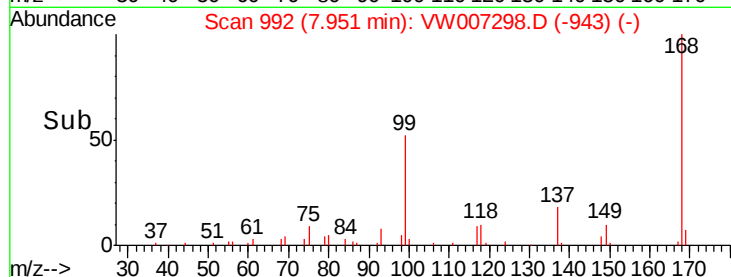
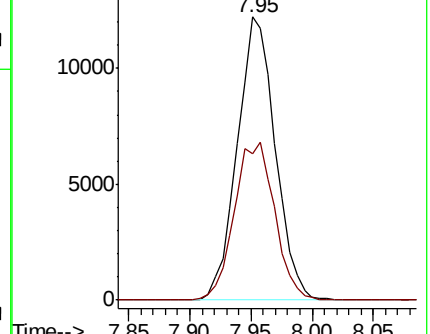
168 100

99 51.8 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.050 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW007298.D

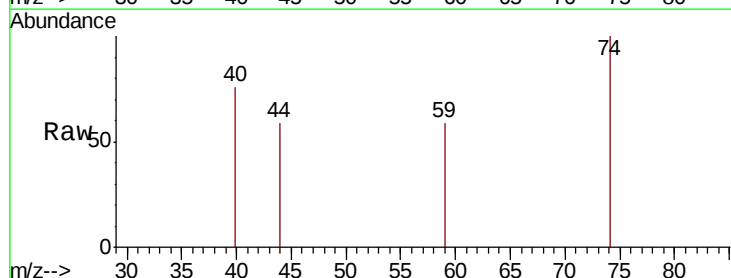
Acq: 06 Dec 2018 23:49

Tgt Ion: 74 Resp: 254

Ion Ratio Lower Upper

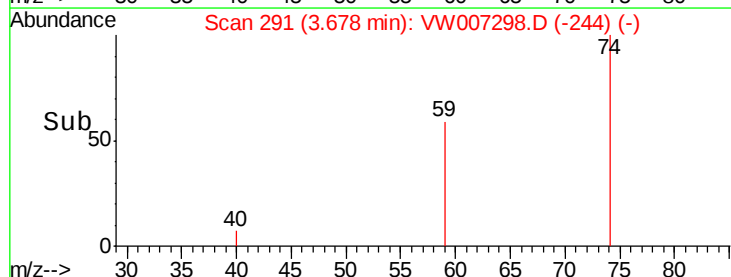
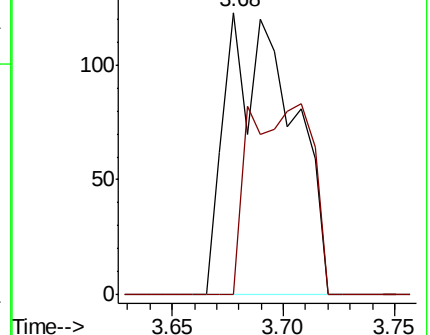
74 100

45 0.0 47.2 141.6#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 19.521 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

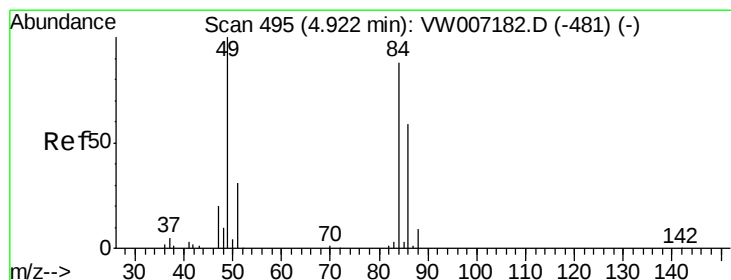
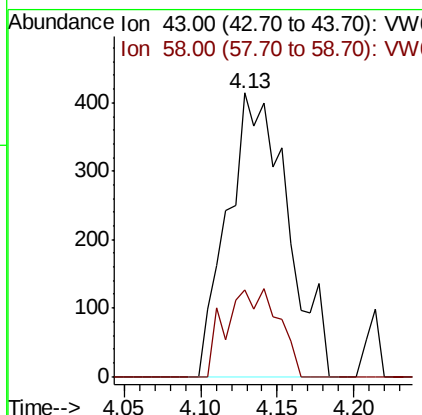
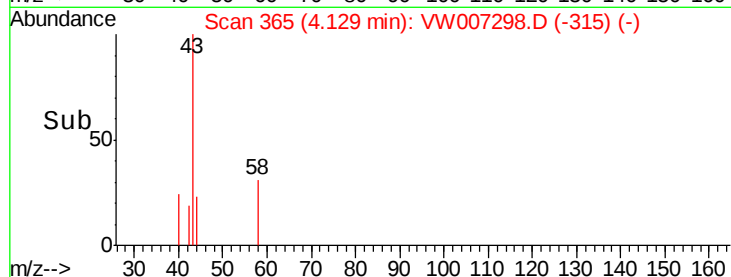
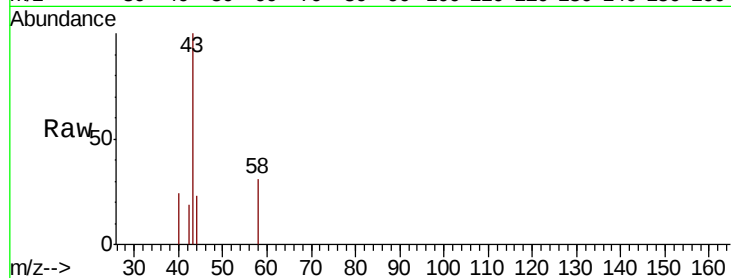
ClientSampleId :

Tot Ion: 43 Resp: 1131

Ion Ratio Lower Upper

43 100

58 30.7 23.8 35.8



#20

Methylene Chloride

Concen: 14.844 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Tgt Ion: 84 Resp: 5401

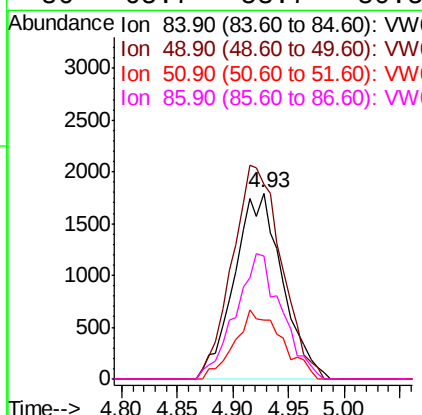
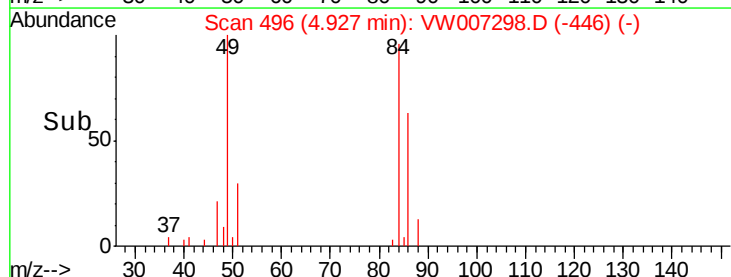
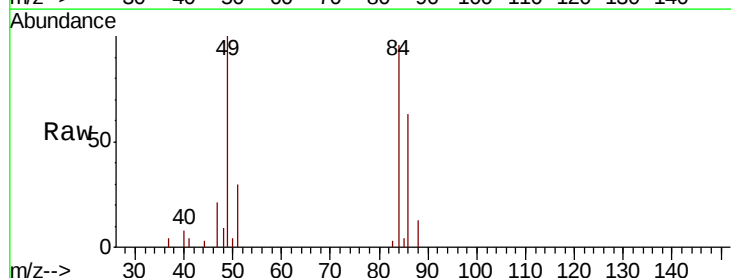
Ion Ratio Lower Upper

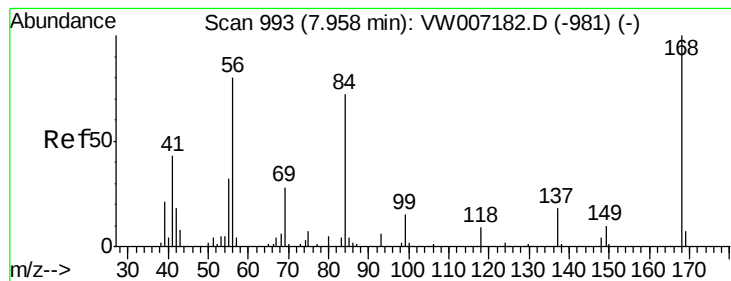
84 100

49 104.4 90.6 135.8

51 31.4 27.6 41.4

86 65.7 53.7 80.5





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampled :

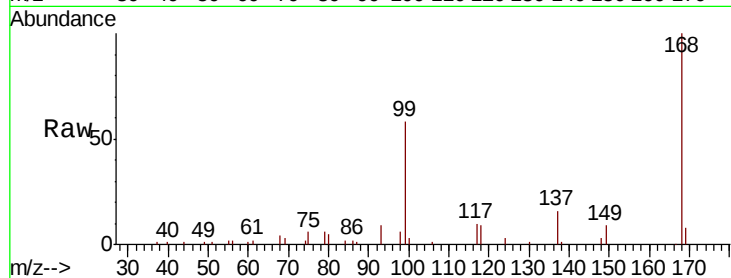
Tot Ion: 56 Resp: 503

Ion Ratio Lower Upper

56 100

69 115.7 28.2 42.2#

84 97.6 72.1 108.1

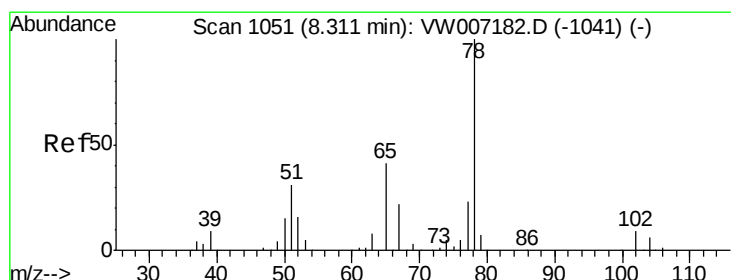
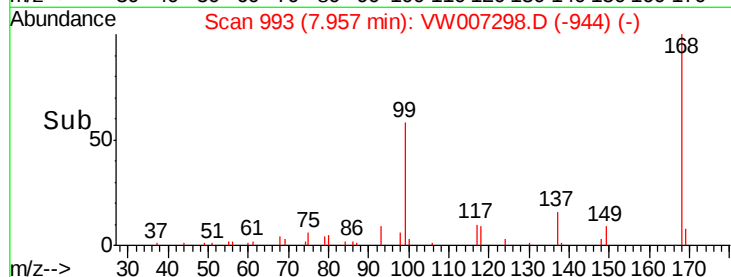
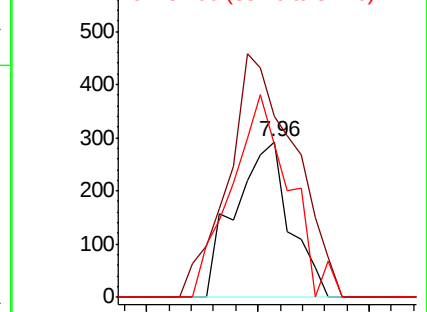


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 47.748 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW007298.D

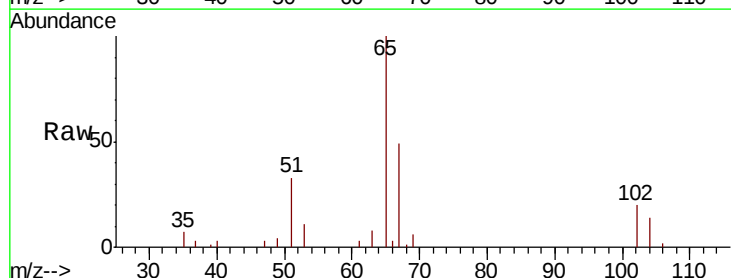
Acq: 06 Dec 2018 23:49

Tgt Ion: 65 Resp: 11686

Ion Ratio Lower Upper

65 100

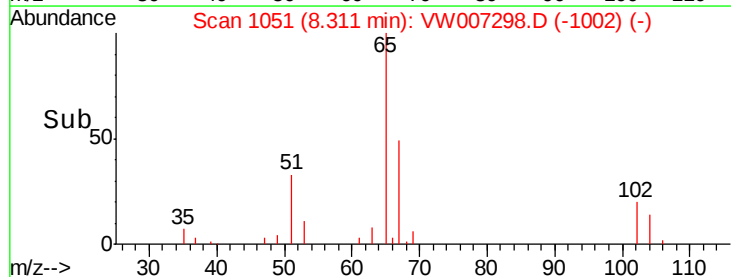
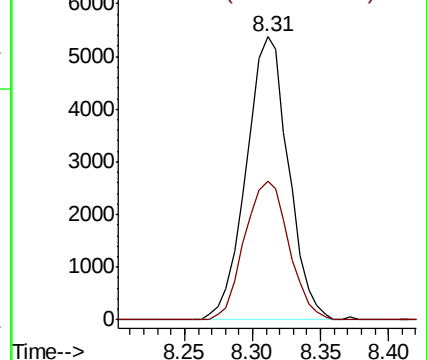
67 51.2 0.0 106.4

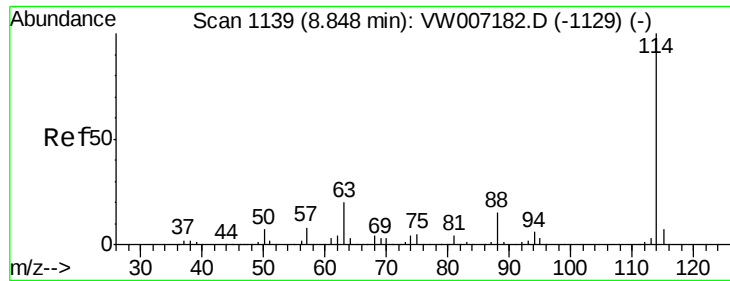


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

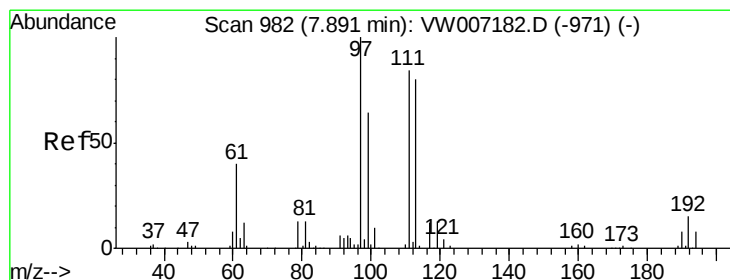
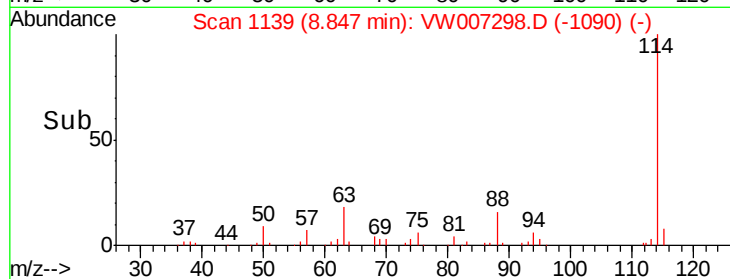
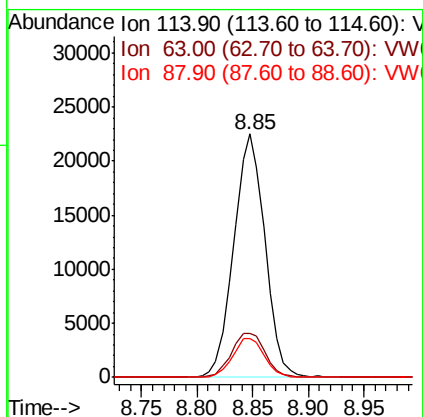
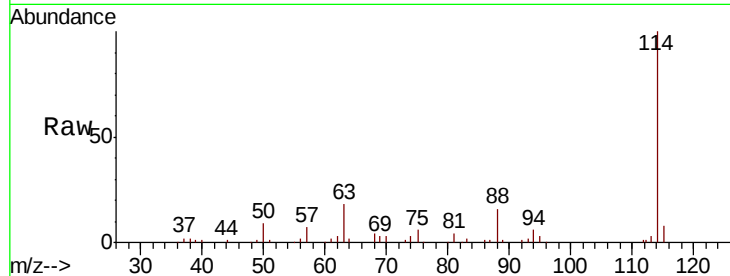




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

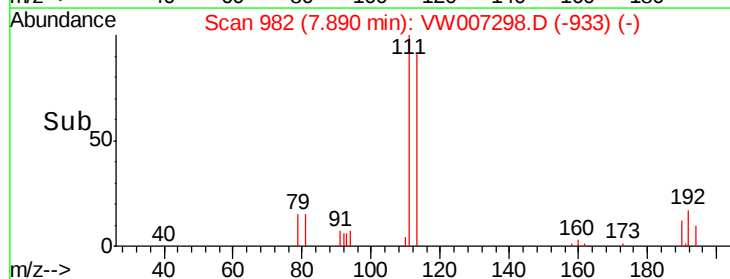
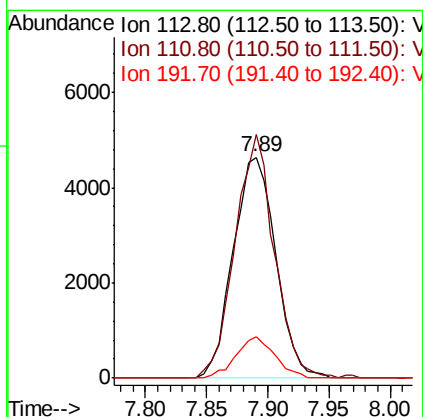
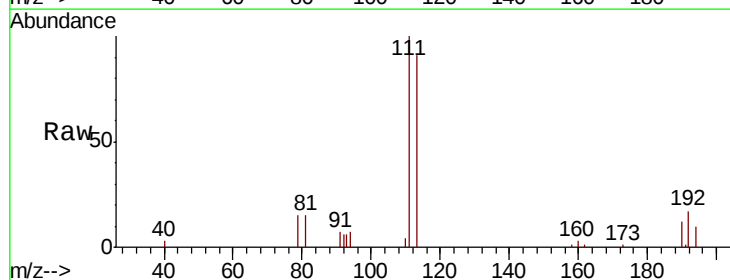
Instrument :
 MSVOA_W
 ClientSampleId :

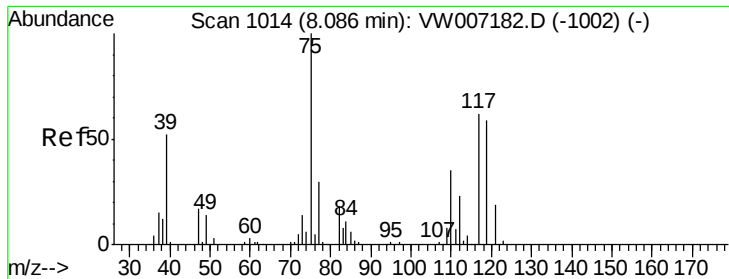
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	40.2
88	16.0	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 45.063 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.4
192	17.2	14.4	21.6





#36

1,1-Dichloropropene

Concen: 5.010 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampled :

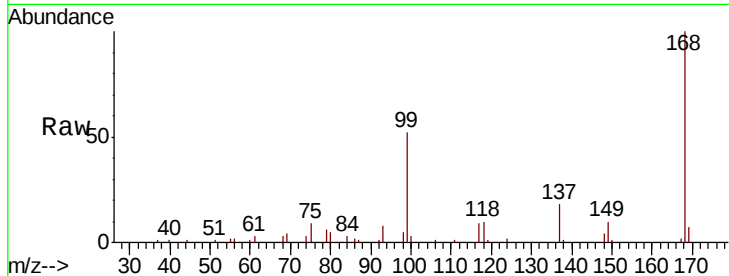
Tot Ion: 75 Resp: 2123

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.9#

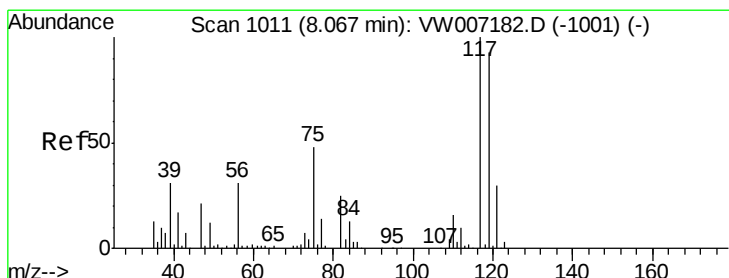
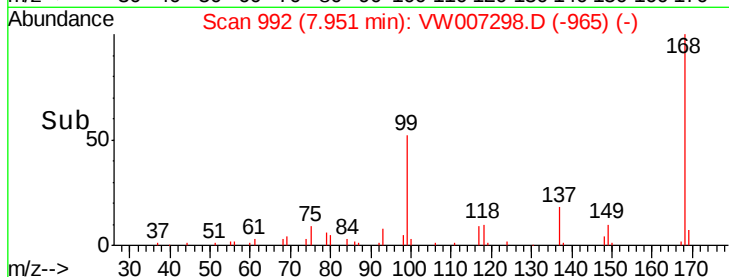
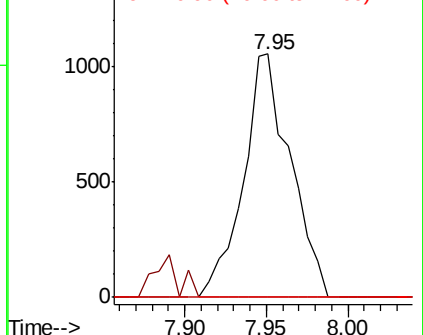
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.127 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.11 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

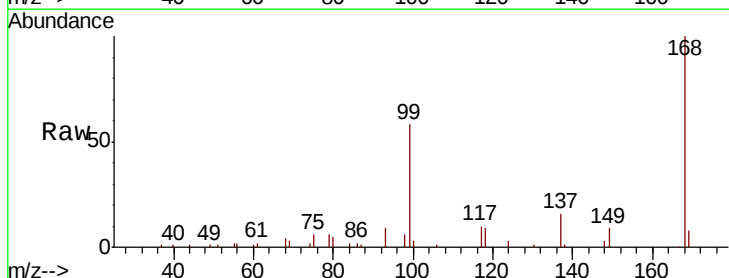
Tgt Ion: 117 Resp: 2650

Ion Ratio Lower Upper

117 100

119 0.0 74.1 111.1#

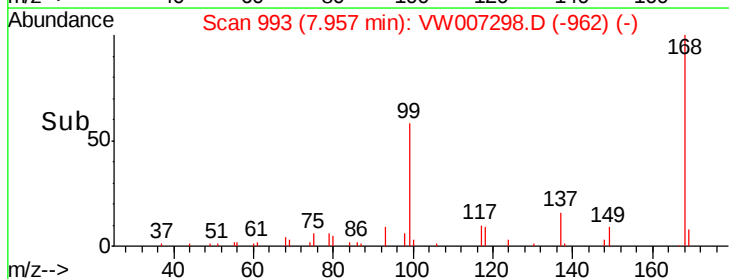
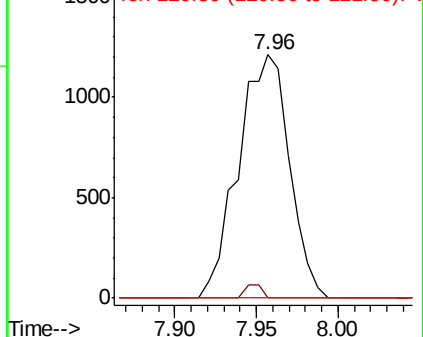
121 0.0 23.9 35.9#

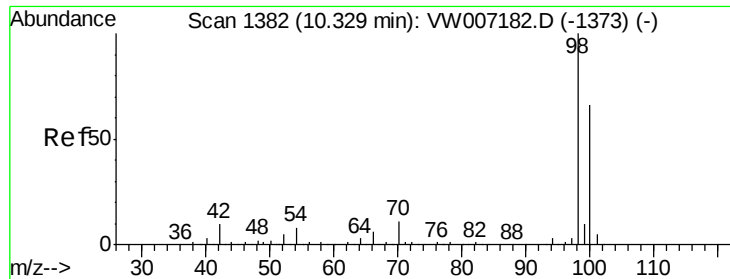


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 33.319 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

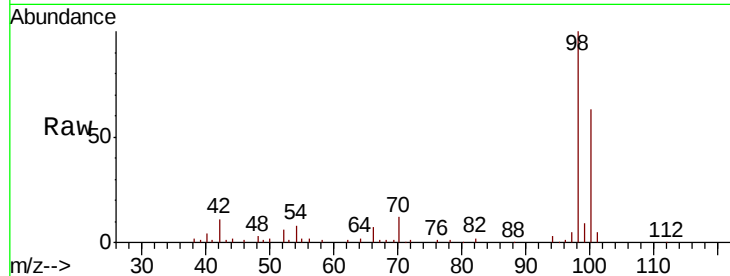
ClientSampleId :

Tot Ion: 98 Resp: 36602

Ion Ratio Lower Upper

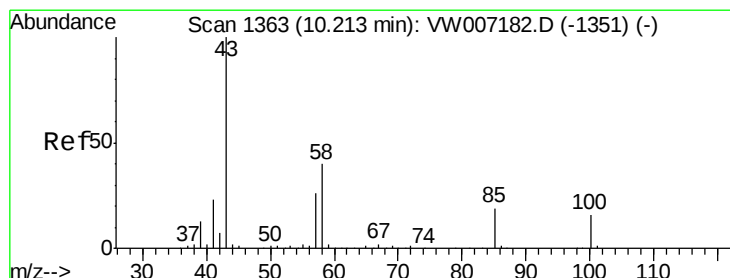
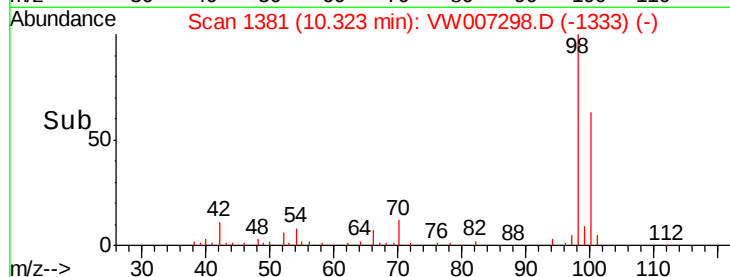
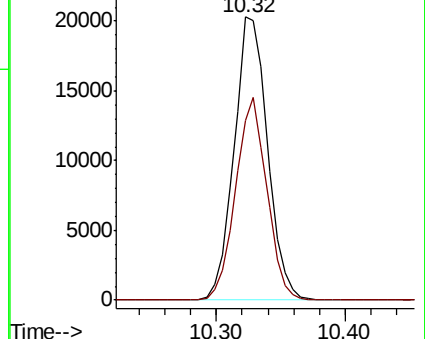
98 100

100 66.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.561 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW007298.D

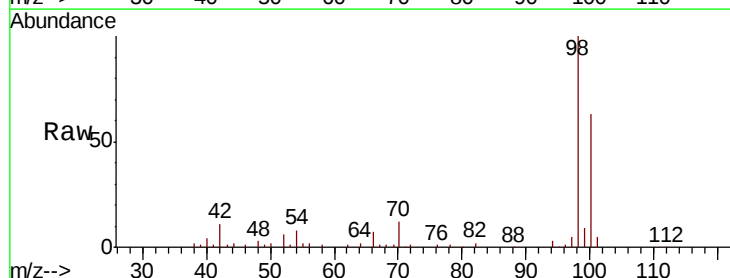
Acq: 06 Dec 2018 23:49

Tgt Ion: 43 Resp: 229

Ion Ratio Lower Upper

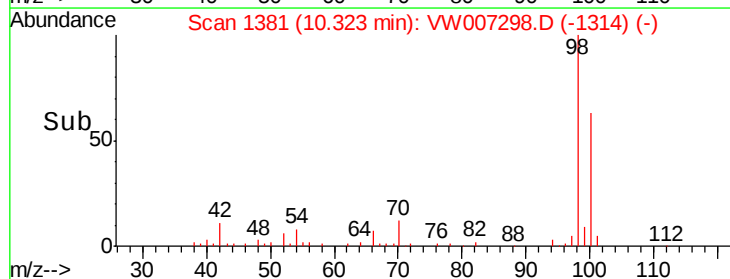
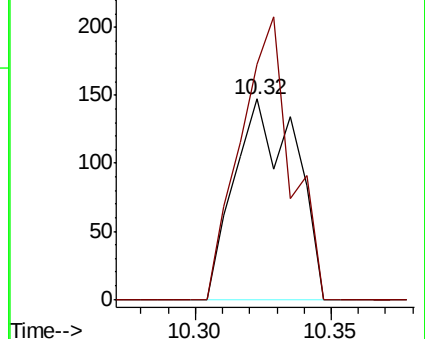
43 100

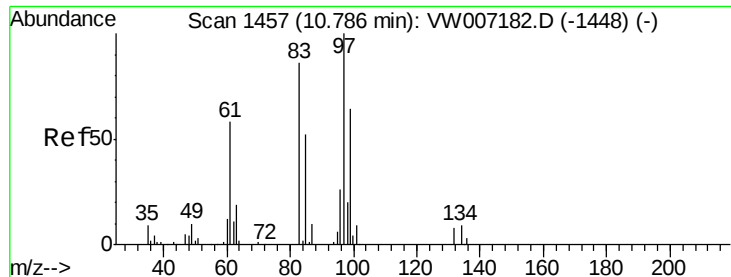
58 116.6 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

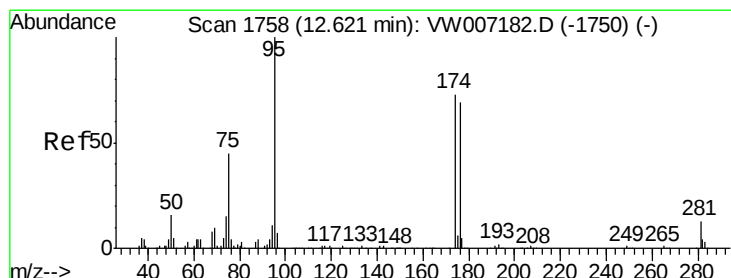
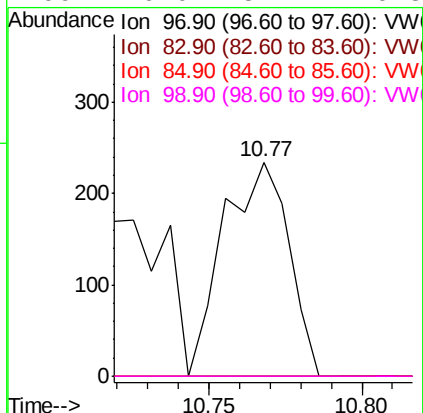
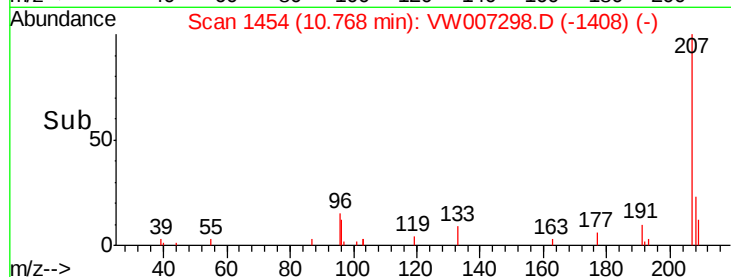
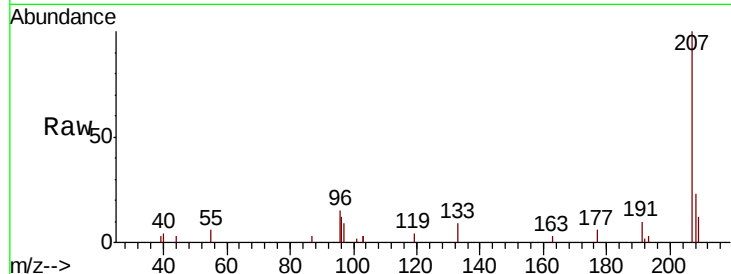




#55
 1,1,2-Trichloroethane
 Concen: 1.731 ug/l
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

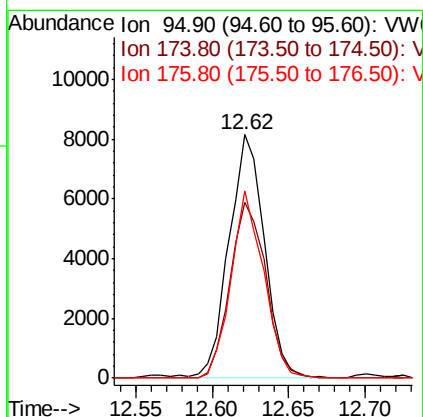
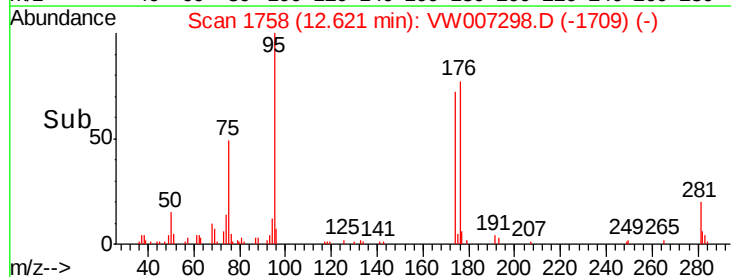
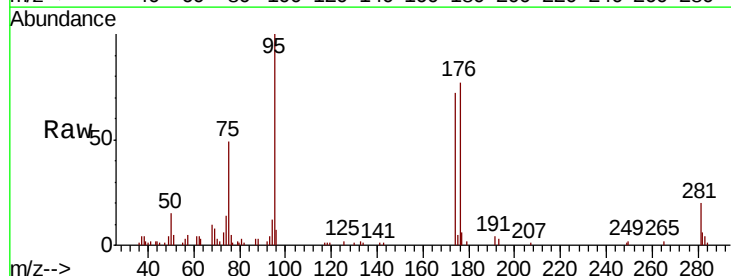
Instrument :
 MSVOA_W
 ClientSampleId :

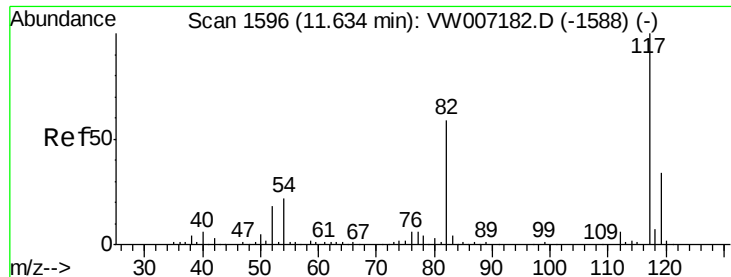
Tot Ion: 97 Resp: 346
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.6 102.8#
 85 0.0 41.4 62.2#
 99 0.0 51.2 76.8#



#62
 4-Bromofluorobenzene
 Concen: 31.510 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

Tgt Ion: 95 Resp: 13065
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 148.0
 176 71.1 0.0 139.4

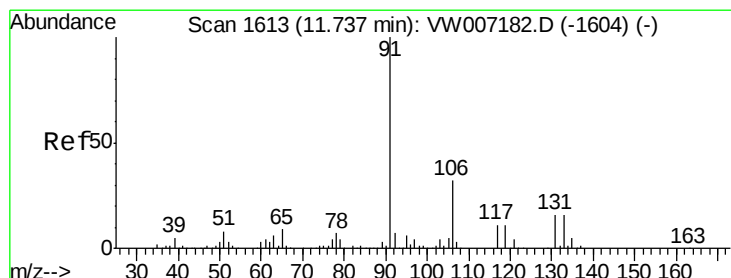
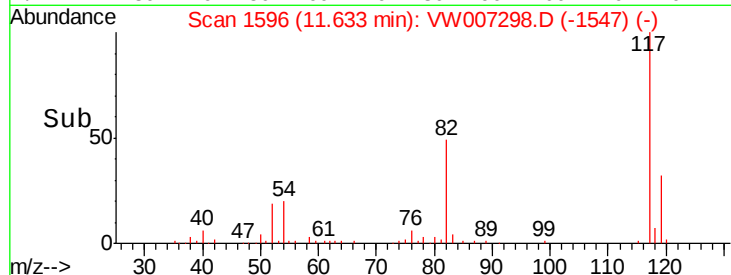
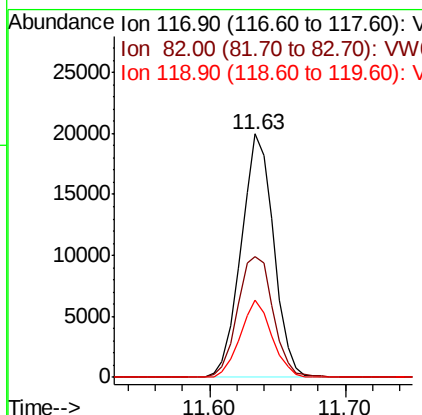
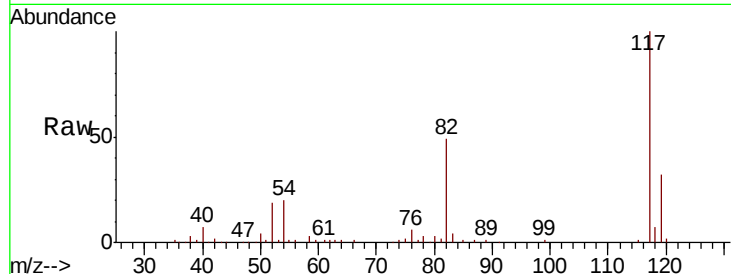




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

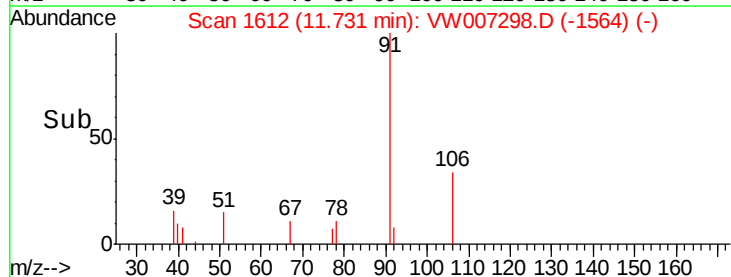
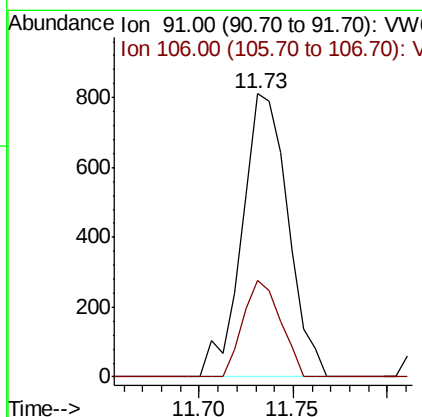
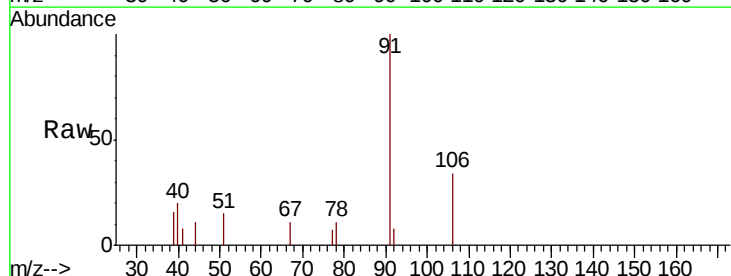
Instrument :
MSVOA_W
ClientSampled :

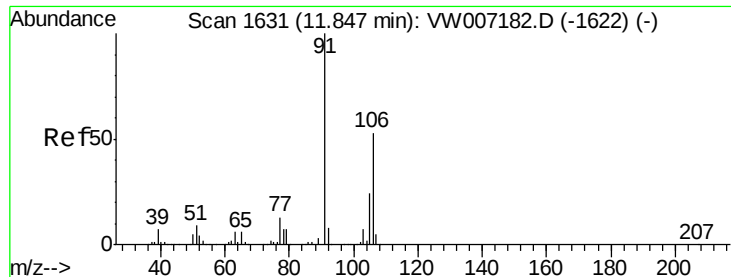
Tot Ion:117 Resp: 33380
Ion Ratio Lower Upper
117 100
82 49.5 47.4 71.2
119 31.8 26.8 40.2



#67
Ethyl Benzene
Concen: 1.013 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

Tgt Ion: 91 Resp: 1376
Ion Ratio Lower Upper
91 100
106 34.2 26.0 39.0

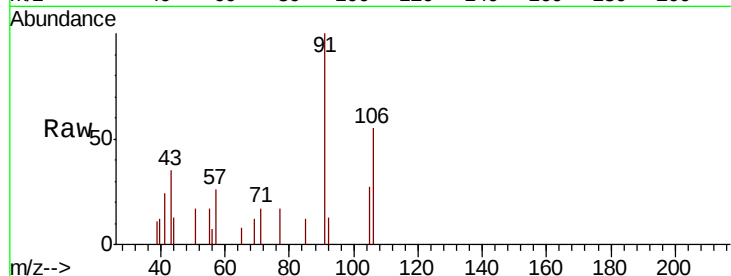




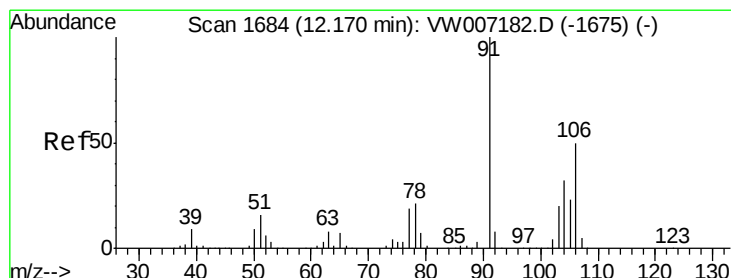
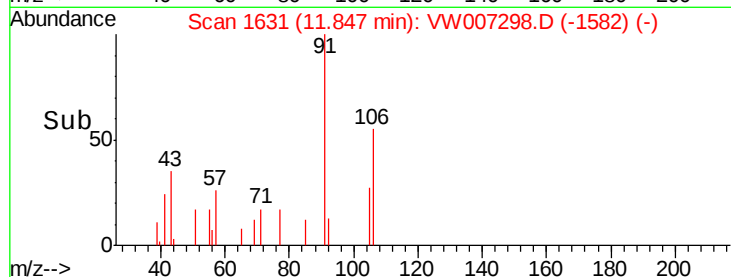
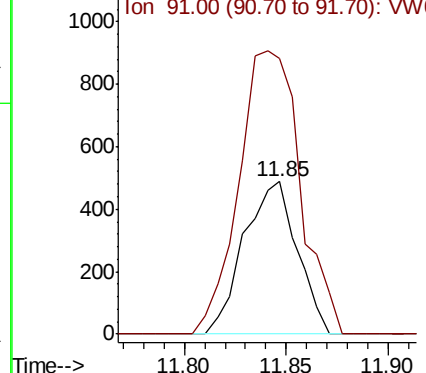
#68
m/p-Xylenes
Concen: 1.660 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 885
Ion Ratio Lower Upper
106 100
91 214.1 160.2 240.4

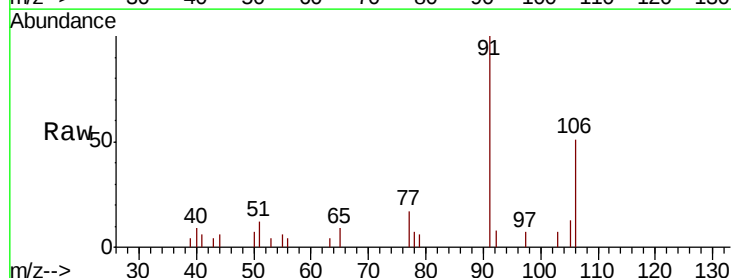


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

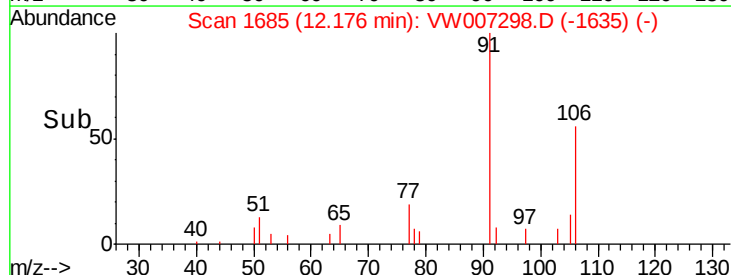
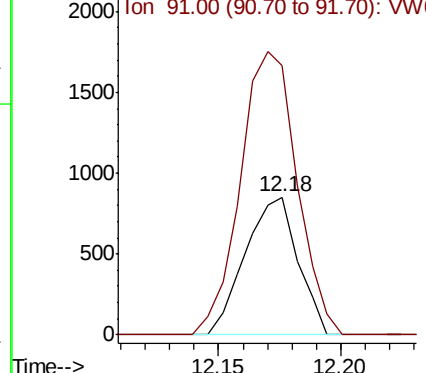


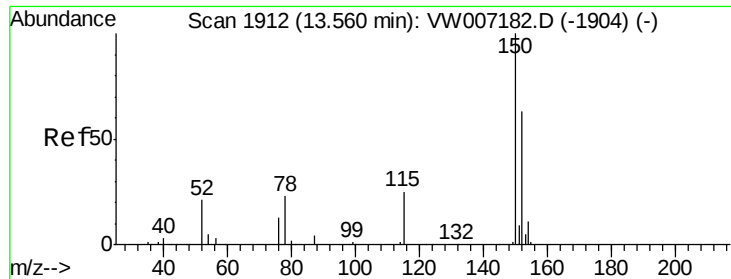
#69
o-Xylene
Concen: 2.554 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

Tgt Ion:106 Resp: 1272
Ion Ratio Lower Upper
106 100
91 221.1 104.9 314.7



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



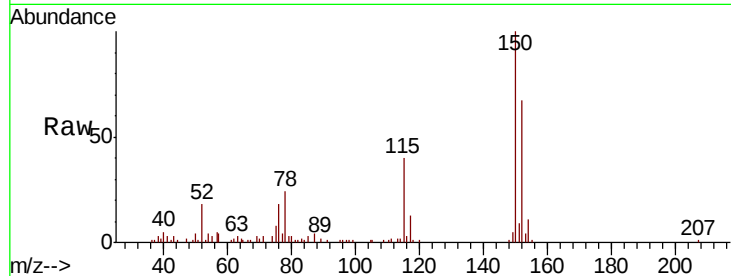


#72

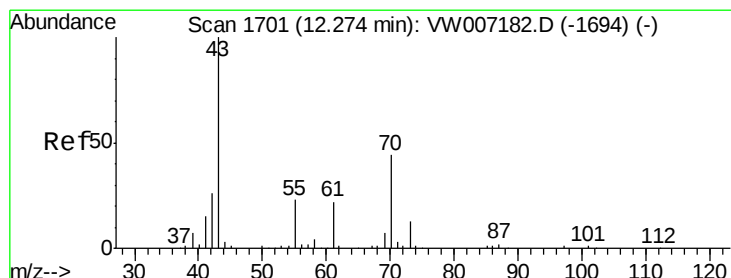
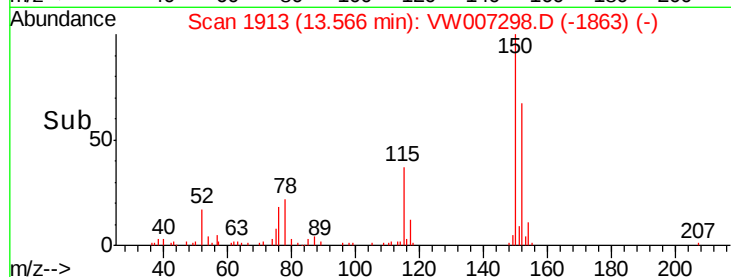
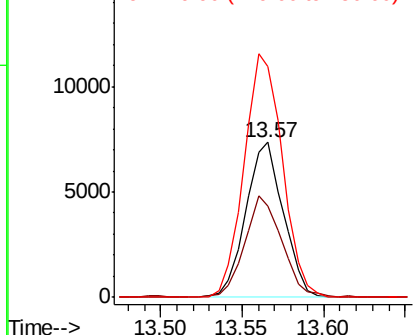
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.01 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 11801
Ion Ratio Lower Upper
152 100
115 65.0 31.3 93.8
150 159.6 0.0 358.0



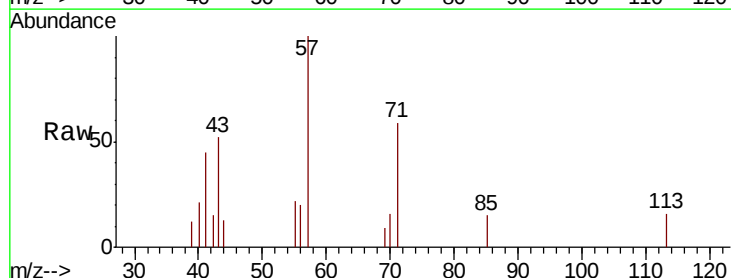
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



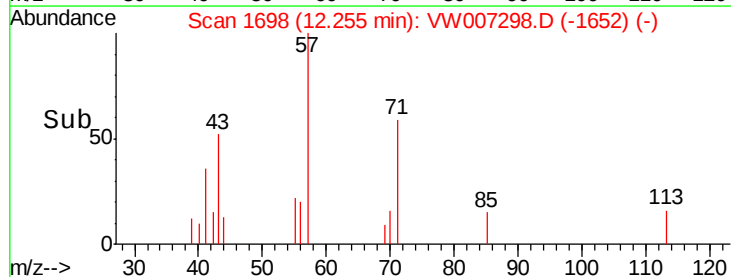
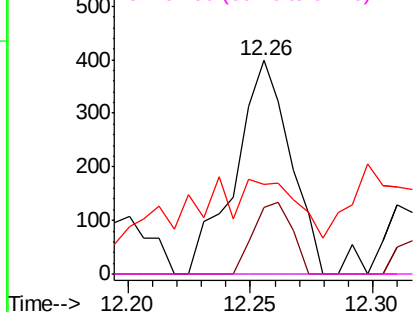
#74

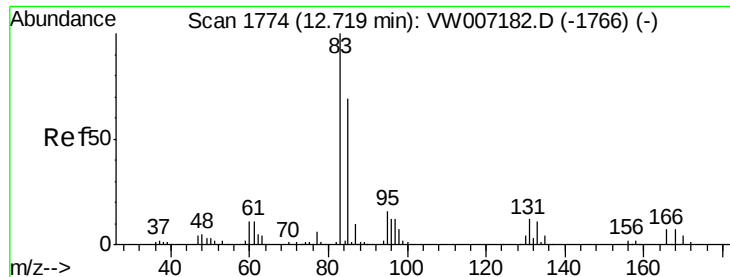
N-ethyl acetate
Concen: 3.637 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW007298.D
Acq: 06 Dec 2018 23:49

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
70 23.6 34.0 51.0#
55 26.8 19.0 28.6
61 0.0 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

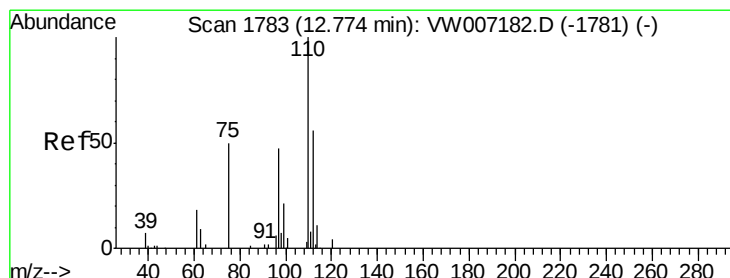
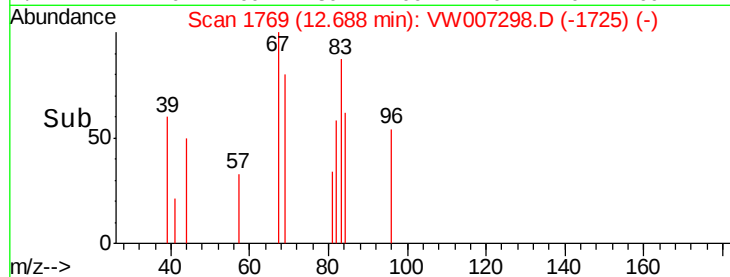
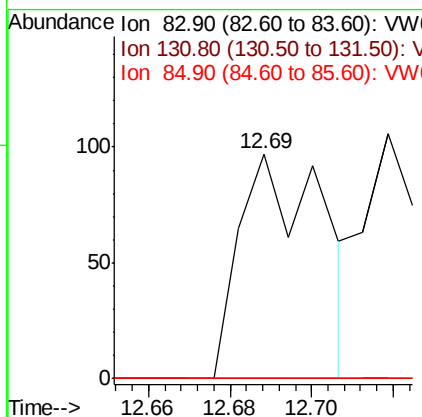
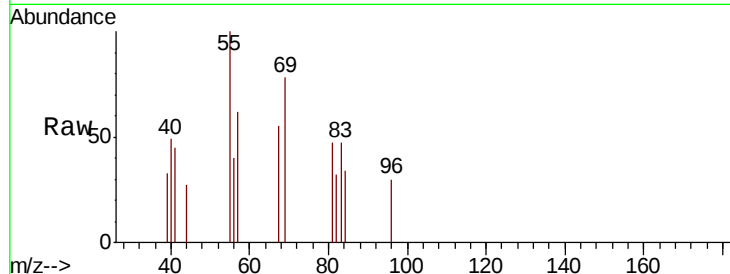




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.099 ug/l
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.03 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

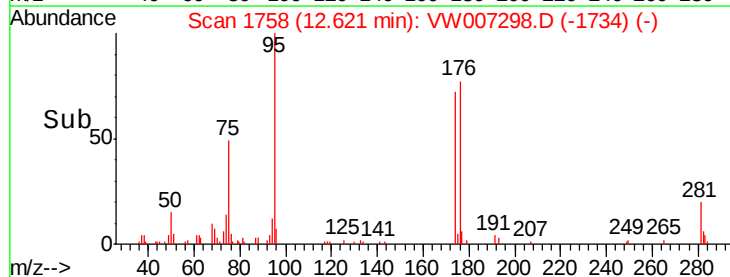
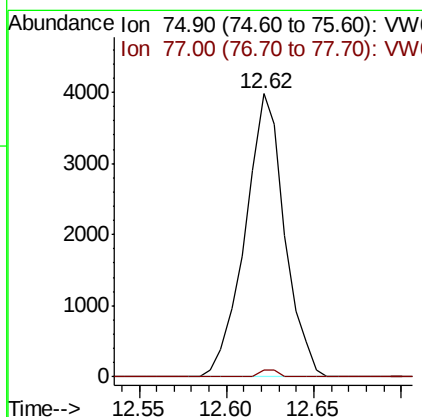
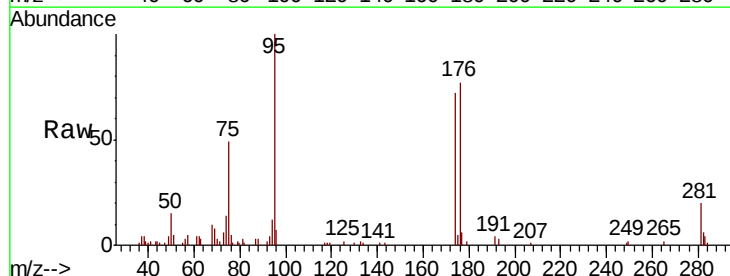
Instrument :
 MSVOA_W
 ClientSampleId :

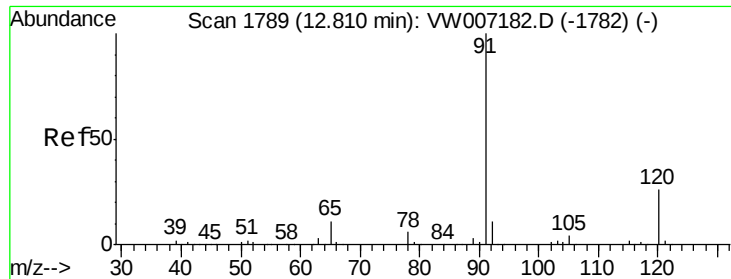
Tot Ion: 83 Resp: 137
 Ion Ratio Lower Upper
 83 100
 131 0.0 6.0 18.1#
 85 0.0 33.0 99.0#



#76
 1,2,3-Trichloropropane
 Concen: 68.366 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

Tgt Ion: 75 Resp: 6247
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

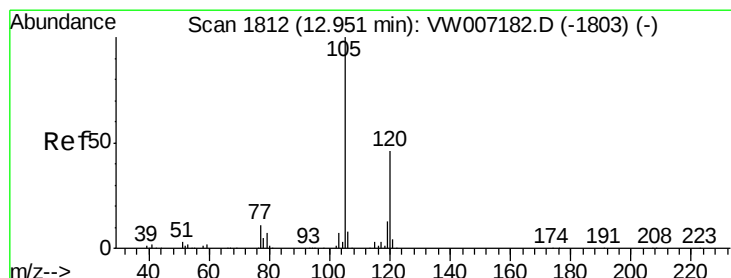
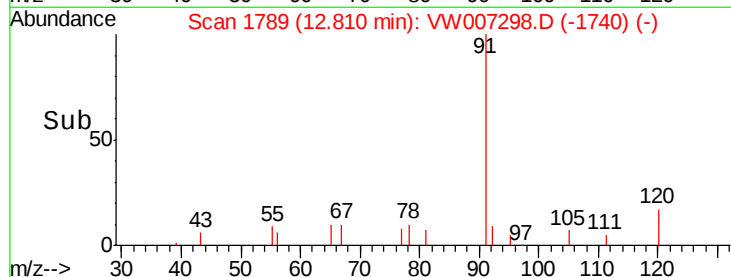
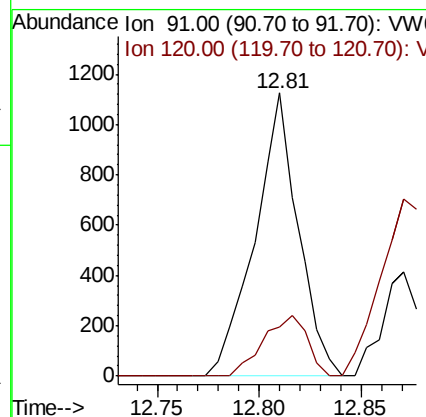
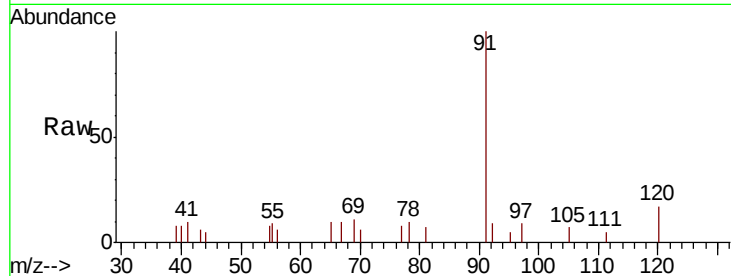




#78
 n-propylbenzene
 Concen: 1.449 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

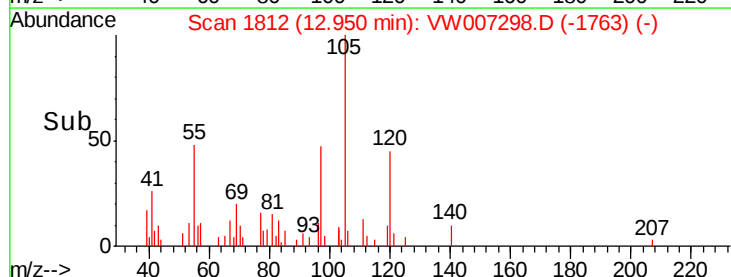
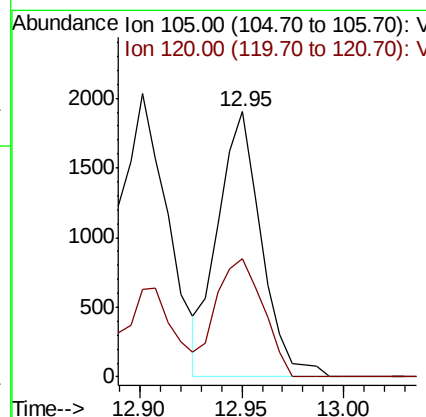
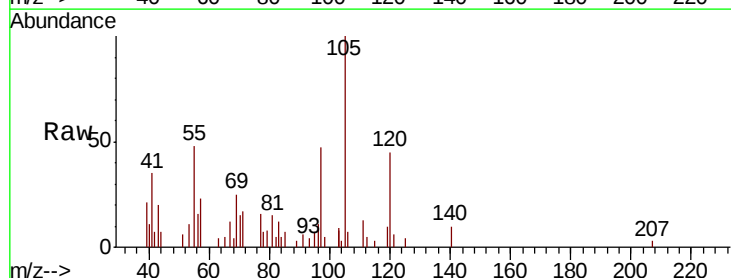
Instrument :
 MSVOA_W
 ClientSampleId :

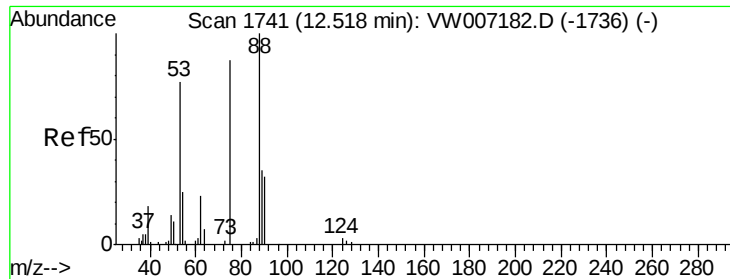
Tot Ion: 91 Resp: 1657
 Ion Ratio Lower Upper
 91 100
 120 21.6 12.5 37.5



#80
 1,3,5-Trimethylbenzene
 Concen: 3.436 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

Tgt Ion:105 Resp: 2821
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 147.352 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

ClientSampled :

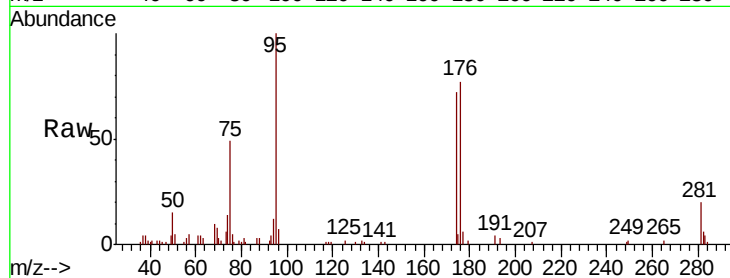
Tot Ion: 75 Resp: 6247

Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

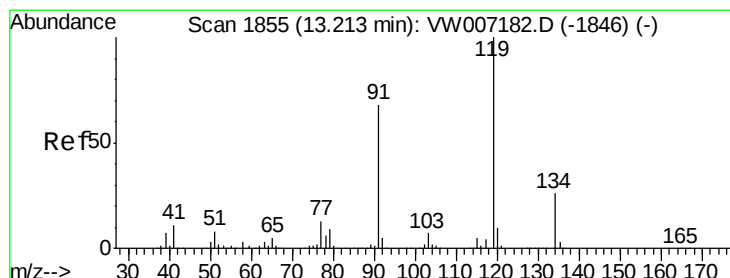
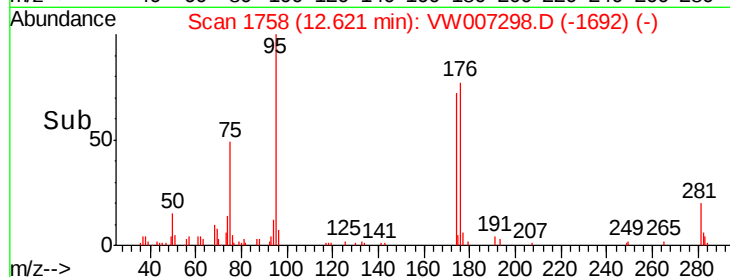
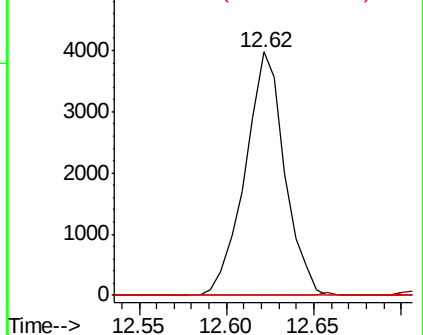
89 0.0 36.4 54.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#83

tert-Butylbenzene

Concen: 2.340 ug/l

RT: 13.45 min Scan# 1894

Delta R.T. 0.24 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

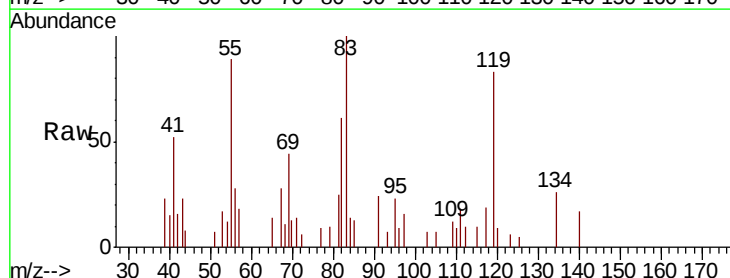
Tgt Ion: 119 Resp: 1679

Ion Ratio Lower Upper

119 100

91 36.2 34.0 101.8

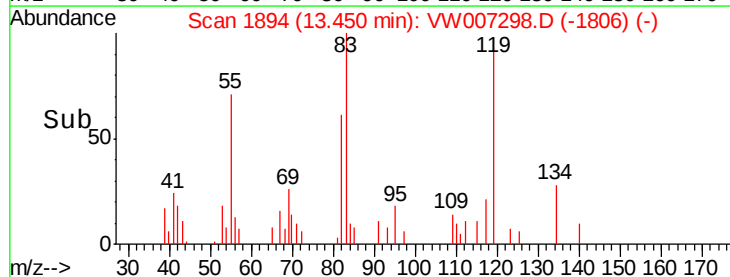
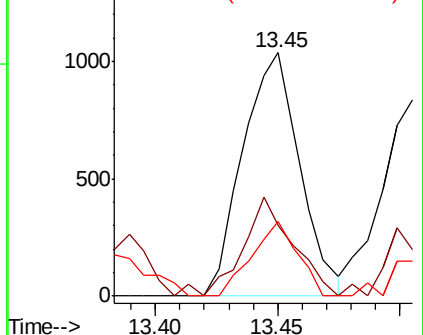
134 24.4 13.2 39.5

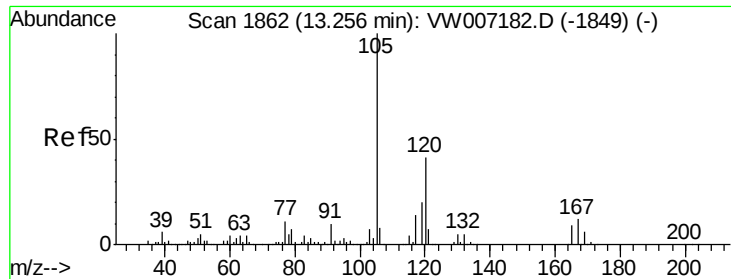


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

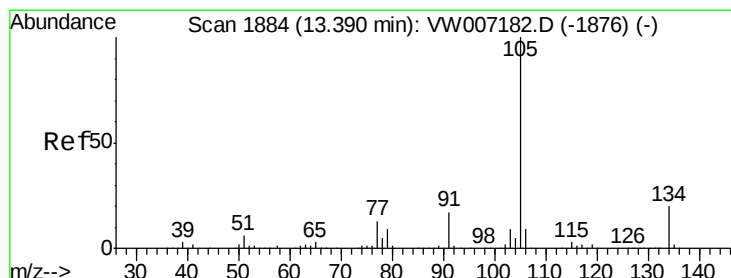
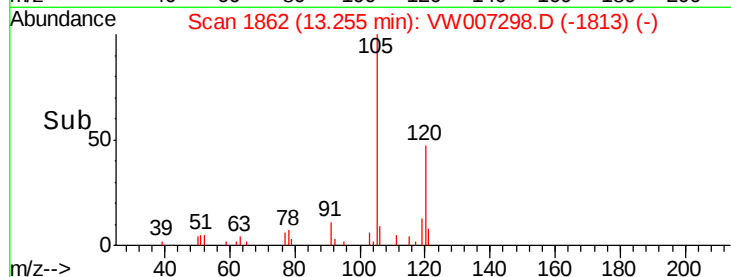
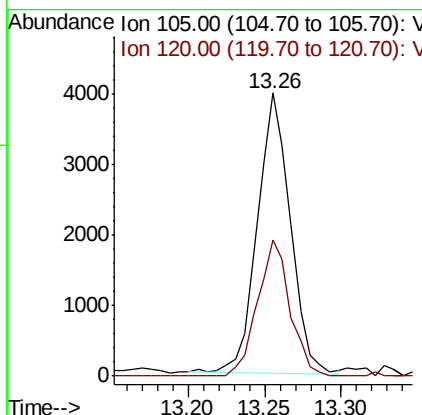
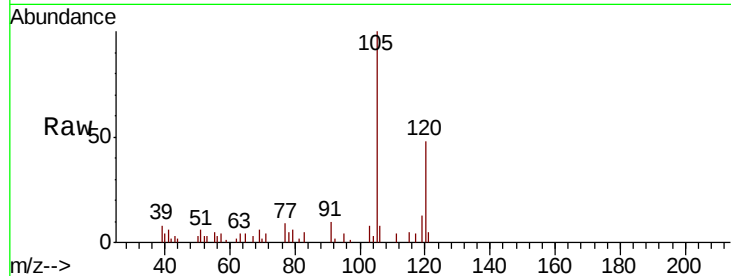




#84
 1,2,4-Trimethylbenzene
 Concen: 7.080 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

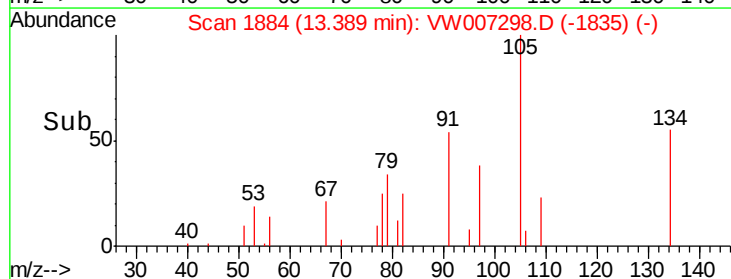
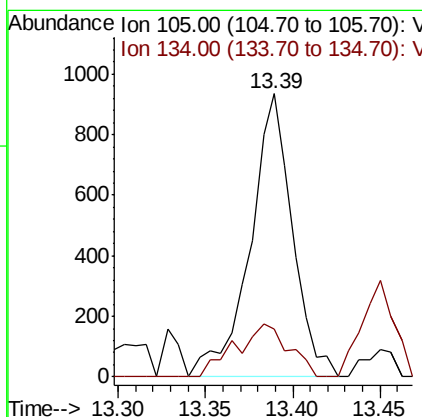
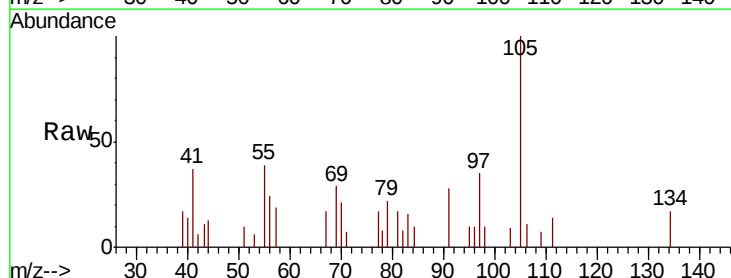
Instrument :
 MSVOA_W
 ClientSampled :

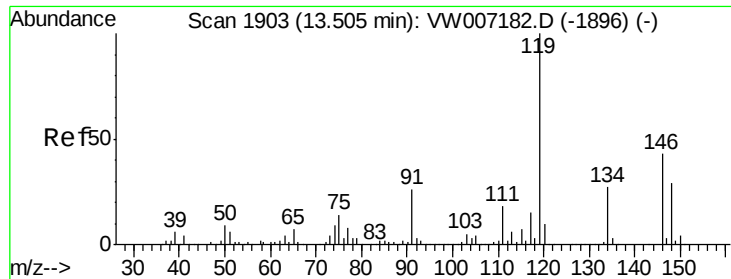
Tot Ion:105 Resp: 5934
 Ion Ratio Lower Upper
 105 100
 120 48.0 21.1 63.3



#85
 sec-Butylbenzene
 Concen: 1.535 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007298.D
 Acq: 06 Dec 2018 23:49

Tgt Ion:105 Resp: 1572
 Ion Ratio Lower Upper
 105 100
 134 23.5 10.3 30.8





#86

p-Isopropyltoluene

Concen: 1.332 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007298.D

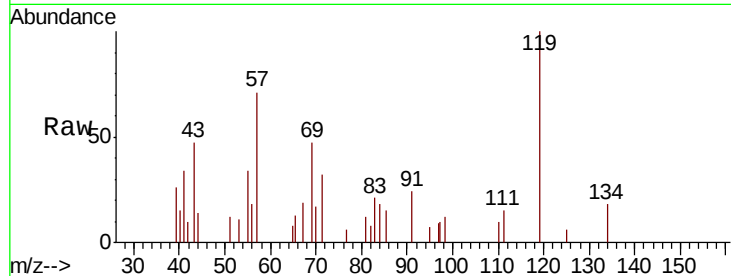
Acq: 06 Dec 2018 23:49

Instrument :

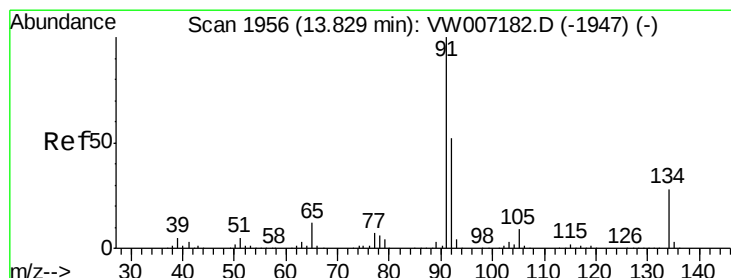
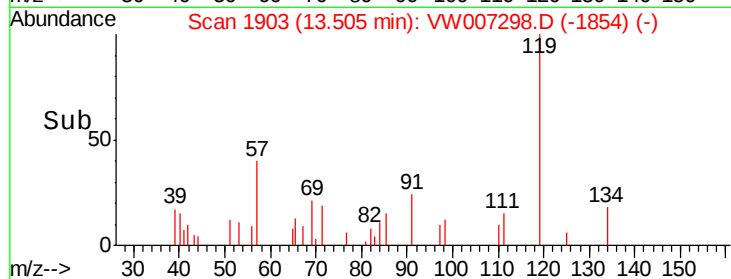
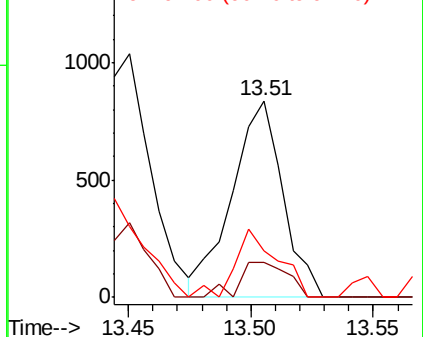
MSVOA_W

ClientSampleId :

Tot Ion:	119	Resp:	1215
Ion	Ratio	Lower	Upper
119	100		
134	16.9	13.2	39.6
91	28.8	12.4	37.2



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: 2.835 ug/l

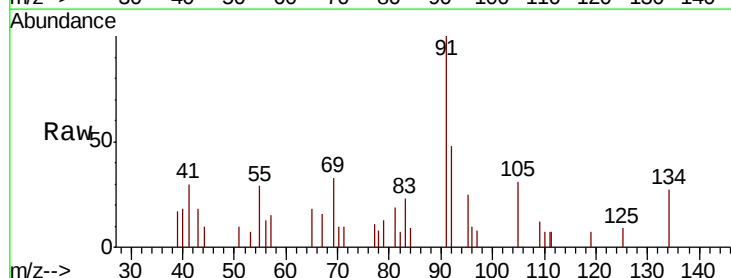
RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

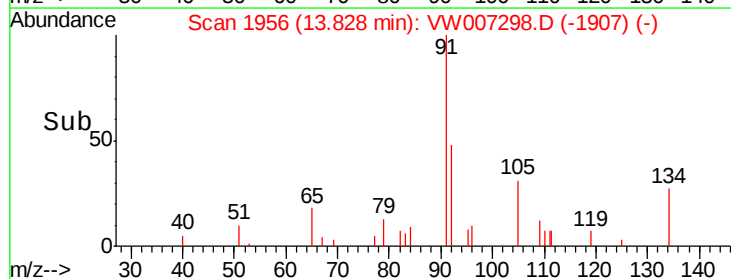
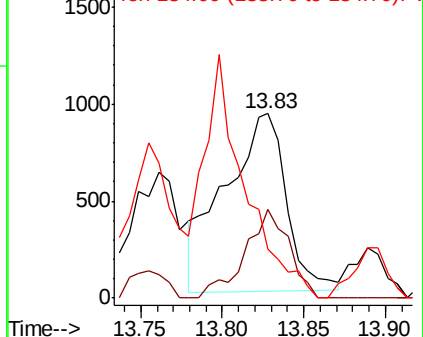
Lab File: VW007298.D

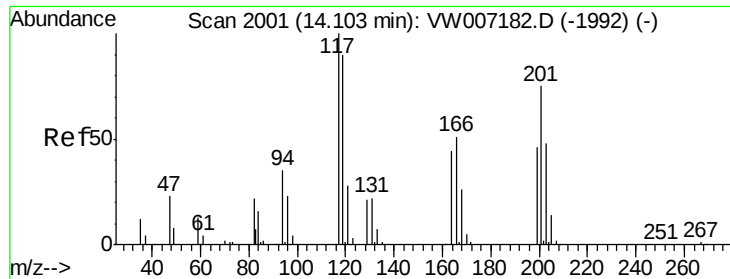
Acq: 06 Dec 2018 23:49

Tgt Ion:	91	Resp:	2416
Ion	Ratio	Lower	Upper
91	100		
92	35.6	26.5	79.5
134	0.0	14.1	42.2#



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





#90

Hexachloroethane

Concen: 4.807 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

Instrument :

MSVOA_W

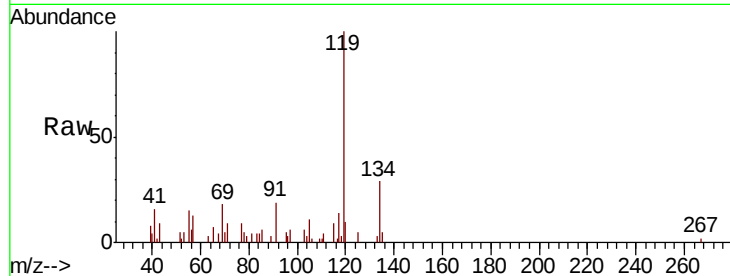
ClientSampled :

Tot Ion:117 Resp: 668

Ion Ratio Lower Upper

117 100

201 0.0 36.0 108.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

800

600

400

200

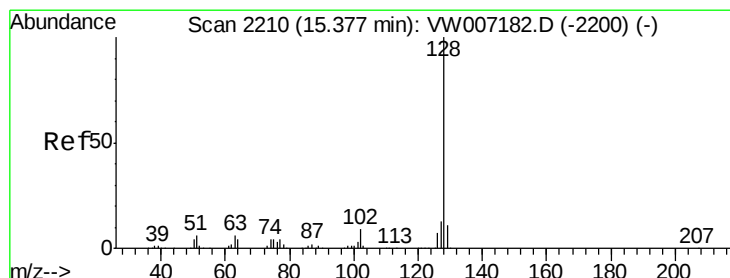
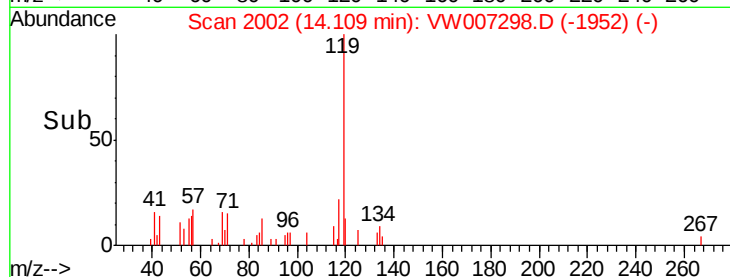
0

14.05

14.10

14.15

Time-->



#95

Naphthalene

Concen: 3.029 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007298.D

Acq: 06 Dec 2018 23:49

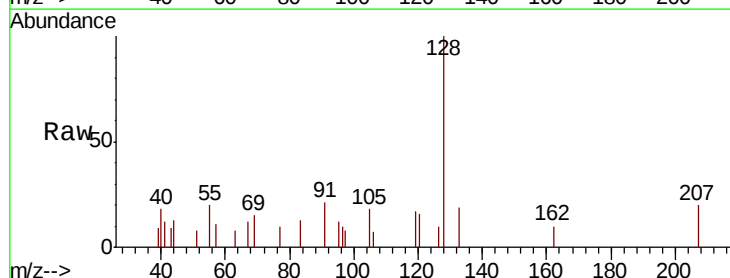
Tgt Ion:128 Resp: 1385

Ion Ratio Lower Upper

128 100

127 2.2 10.3 15.5#

129 3.8 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

1000

800

600

400

200

0

15.30

15.35

15.40

Time-->

