

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111218\
 Data File : VW006840.D
 Acq On : 13 Nov 2018 07:25
 Operator : SY/AP
 Sample : J5860-16
 Misc : 5.85G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 10:59:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	381949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	549123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	527611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	273378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	124386	44.55	ug/l	0.00
Spiked Amount						
			Recovery	=	89.10%	
35) Dibromofluoromethane	7.88	113	123474	37.76	ug/l	0.00
Spiked Amount						
			Recovery	=	75.52%	
50) Toluene-d8	10.33	98	499006	36.82	ug/l	0.00
Spiked Amount						
			Recovery	=	73.64%	
62) 4-Bromofluorobenzene	12.62	95	183058	36.67	ug/l	0.00
Spiked Amount						
			Recovery	=	73.34%	

Target Compounds

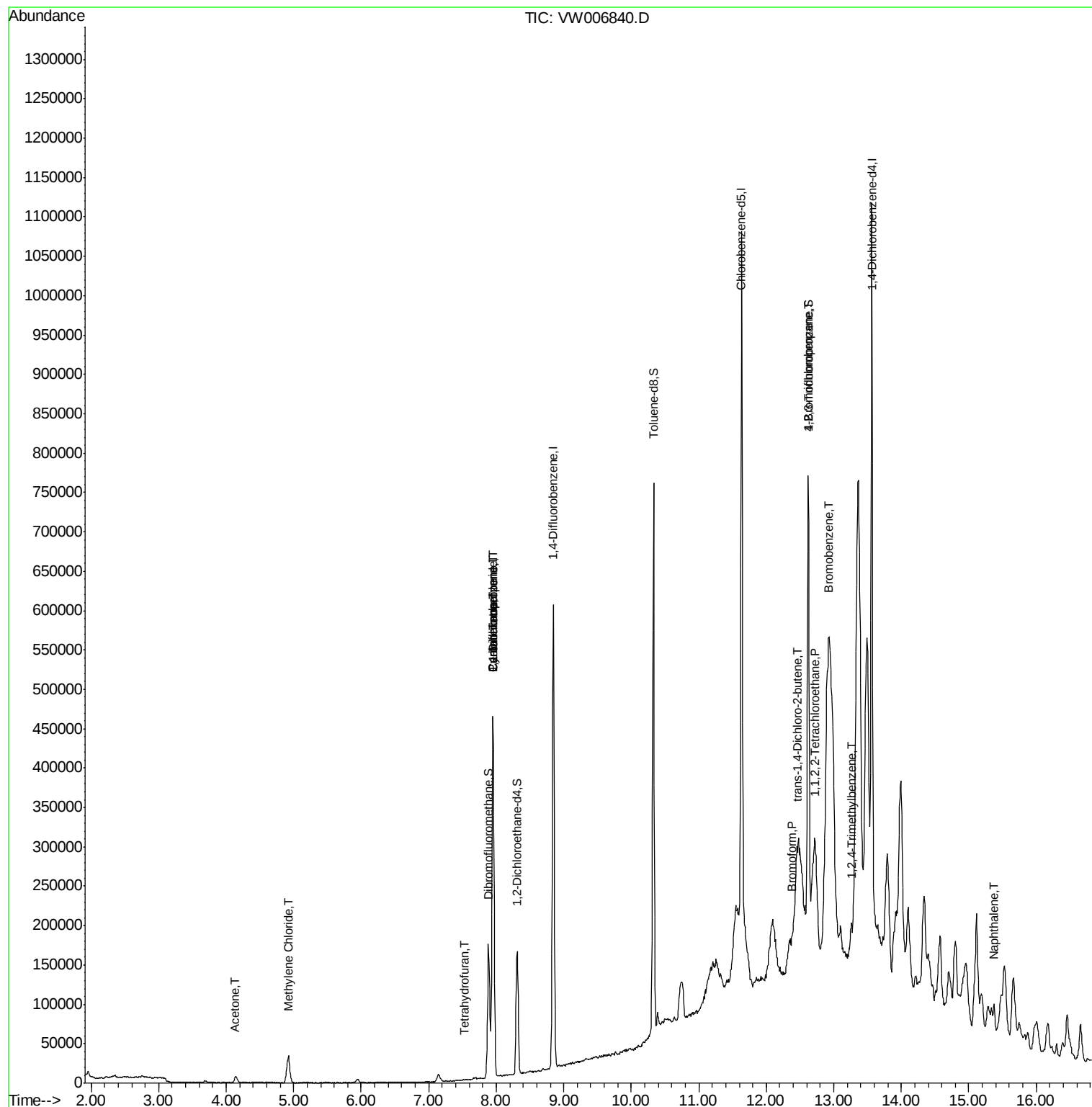
						Qvalue
16) Acetone	4.14	43	15705	39.165	ug/l	96
20) Methylene Chloride	4.92	84	28899	3.033	ug/l	99
29) Tetrahydrofuran	7.54	42	586	1.350	ug/l #	65
31) Cyclohexane	7.95	56	5973	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22536	4.386	ug/l #	48
38) Carbon Tetrachloride	7.95	117	34333	6.147	ug/l #	15
71) Bromoform	12.38	173	2123	1.024	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.73	83	63507	24.193	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	82547	41.899	ug/l #	100
77) Bromobenzene	12.92	156	761256	159.119	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.45	75	3836	4.816	ug/l #	21
84) 1,2,4-Trimethylbenzene	13.26	105	21879	1.318	ug/l	96
95) Naphthalene	15.37	128	19160	1.998	ug/l	97

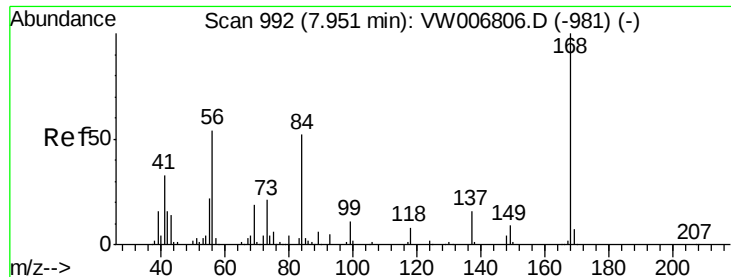
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111218\
Data File : VW006840.D
Acq On : 13 Nov 2018 07:25
Operator : SY/AP
Sample : J5860-16
Misc : 5.85G/5ML/MSVOA W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 13 10:59:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 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: VW006840.D

Acq: 13 Nov 2018 07:25

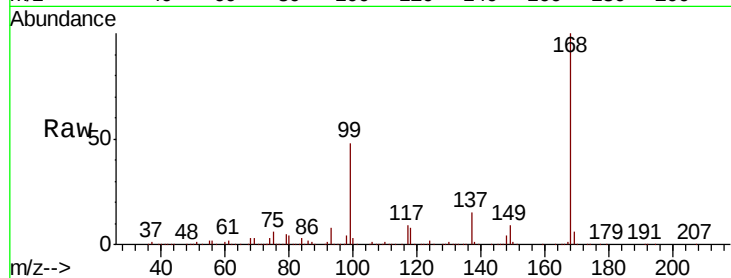
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 381949

Ion Ratio Lower Upper

168 100

99 47.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

200000

150000

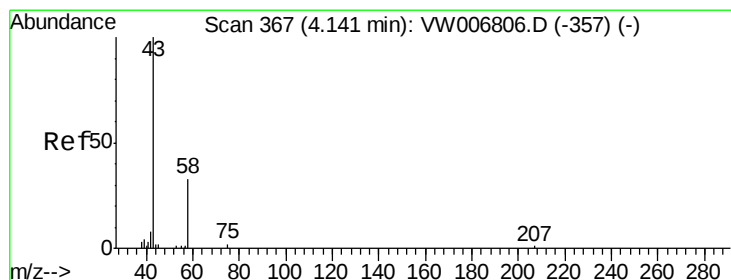
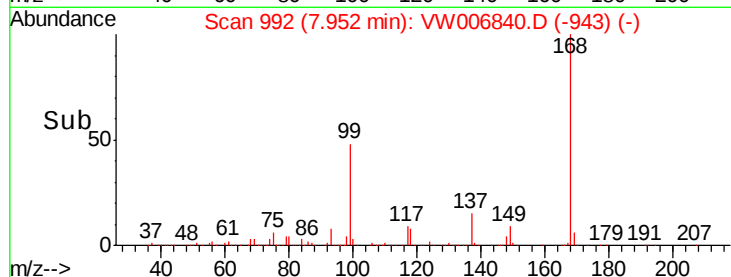
100000

50000

0

7.95

Time-->



#16

Acetone

Concen: 39.165 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006840.D

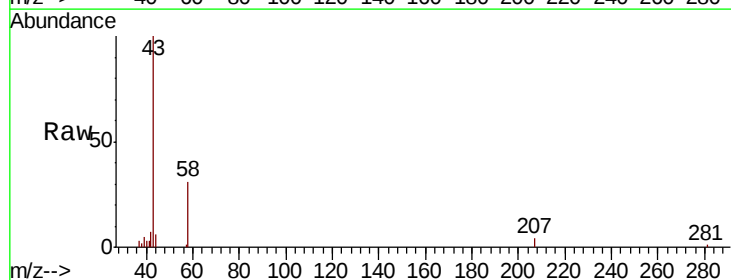
Acq: 13 Nov 2018 07:25

Tgt Ion: 43 Resp: 15705

Ion Ratio Lower Upper

43 100

58 31.0 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

6000

5000

4000

3000

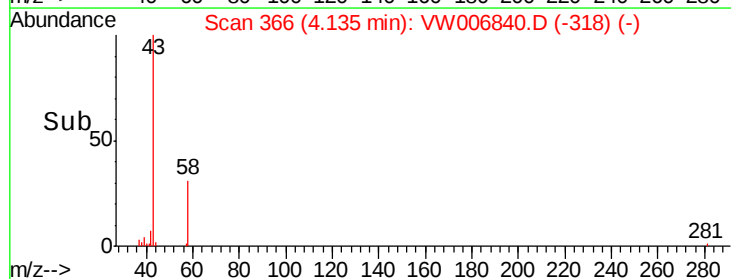
2000

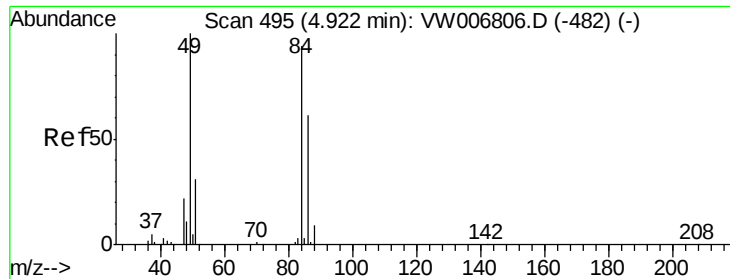
1000

0

4.14

Time-->

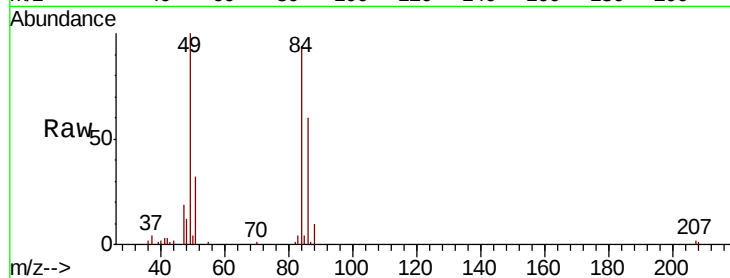




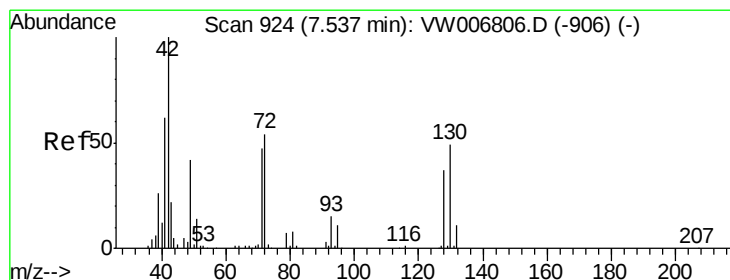
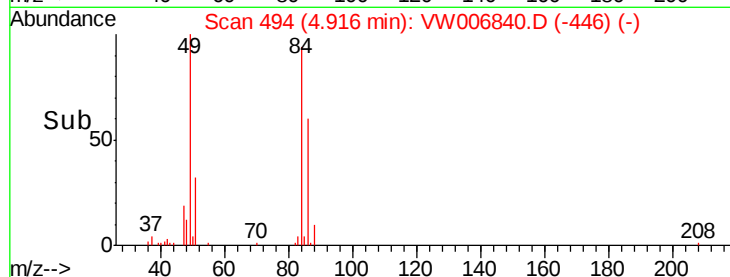
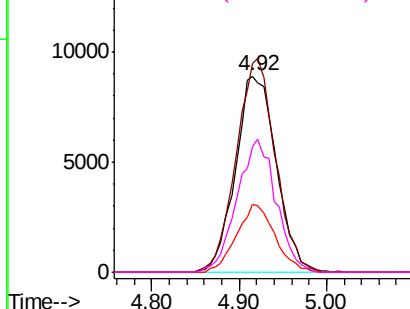
#20
Methylene Chloride
Concen: 3.033 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	84	Resp:	28899
Ion	Ratio	Lower	Upper
84	100		
49	106.4	84.8	127.2
51	34.3	26.2	39.4
86	64.1	51.8	77.8

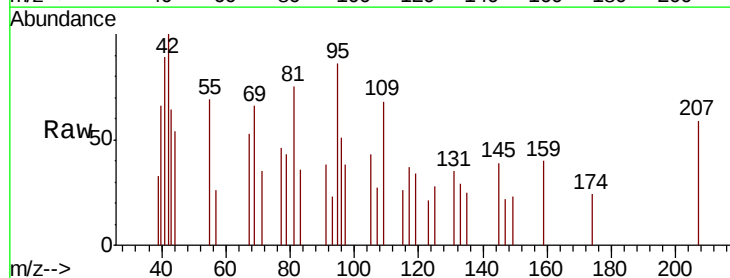


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

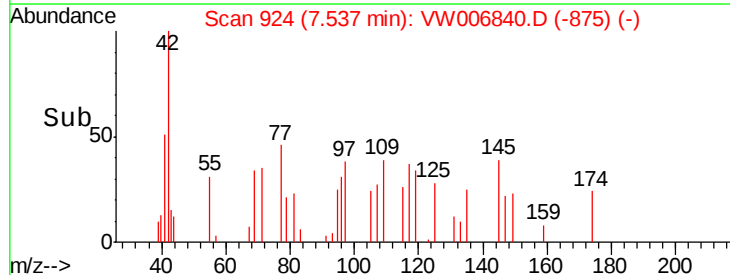
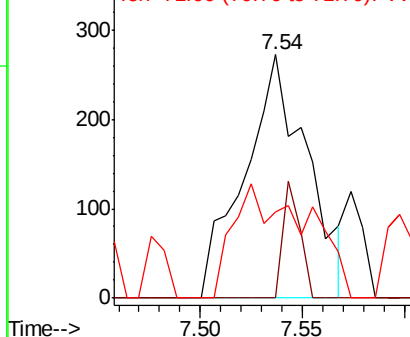


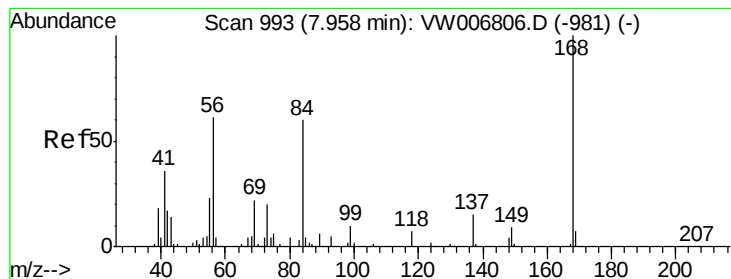
#29
Tetrahydrofuran
Concen: 1.350 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Tgt Ion:	42	Resp:	586
Ion	Ratio	Lower	Upper
42	100		
72	12.8	40.9	61.3#
71	54.4	36.9	55.3



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





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

Instrument :

MSVOA_W

ClientSampleId :

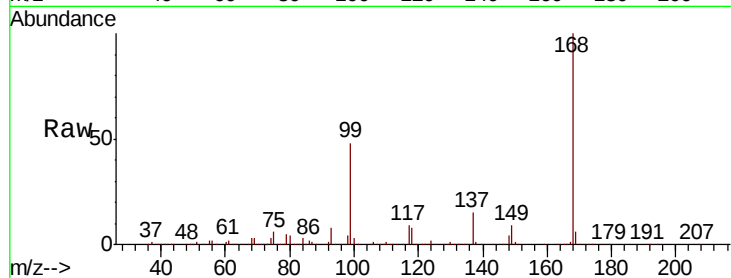
Tot Ion: 56 Resp: 5973

Ion Ratio Lower Upper

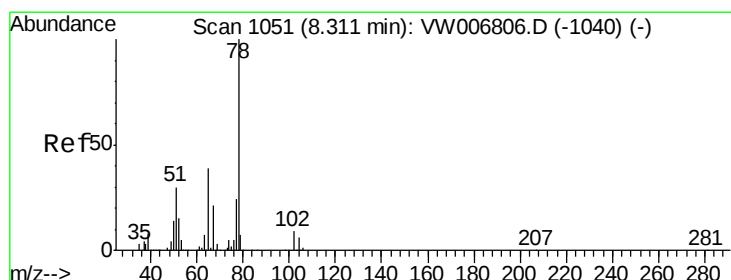
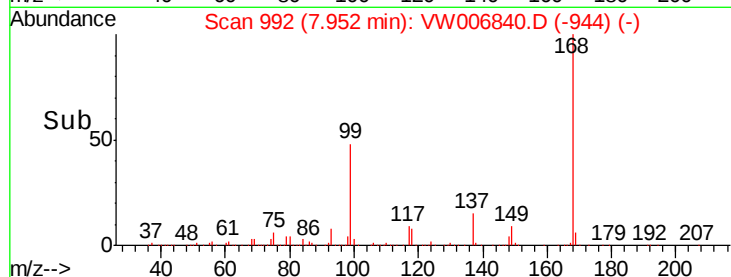
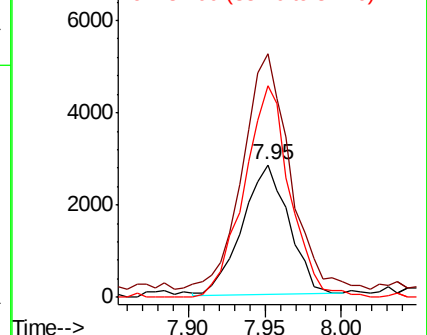
56 100

69 179.7 28.9 43.3#

84 165.5 79.0 118.4#



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: 44.548 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006840.D

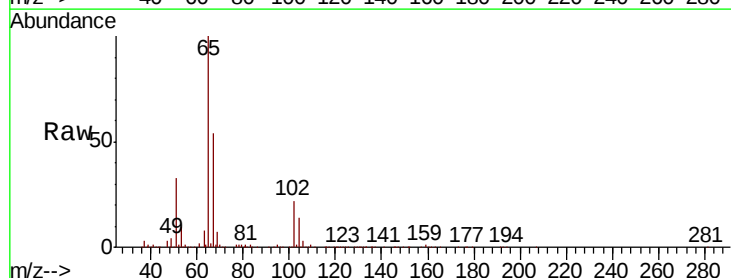
Acq: 13 Nov 2018 07:25

Tgt Ion: 65 Resp: 124386

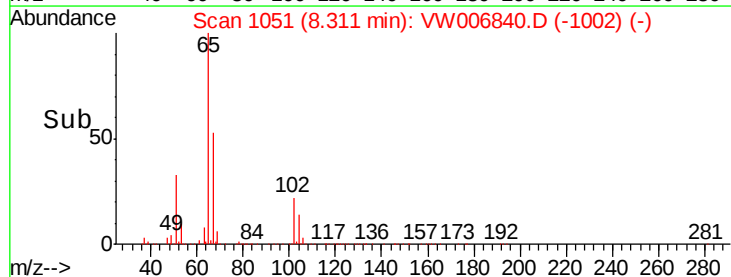
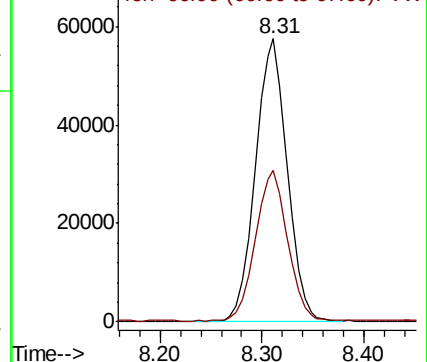
Ion Ratio Lower Upper

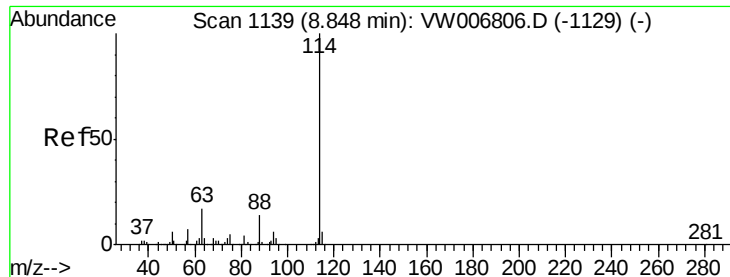
65 100

67 54.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

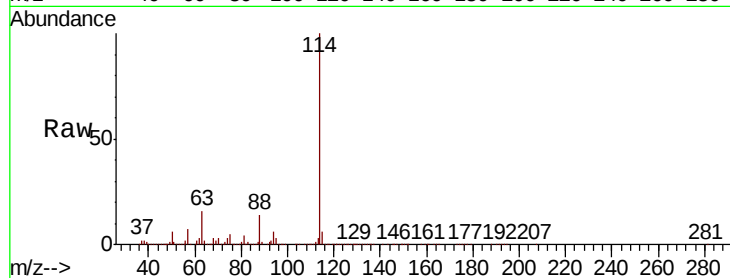




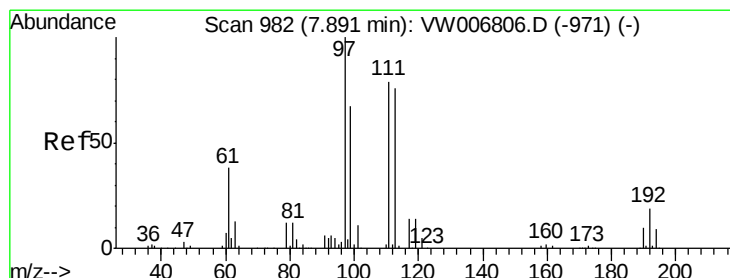
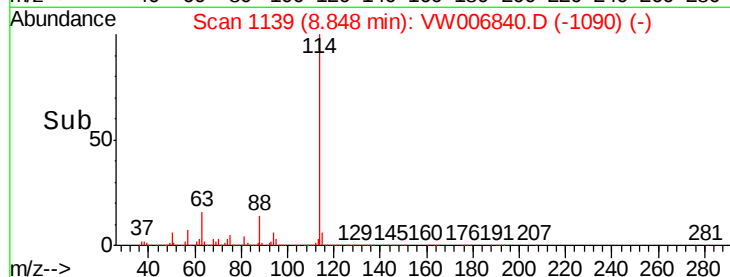
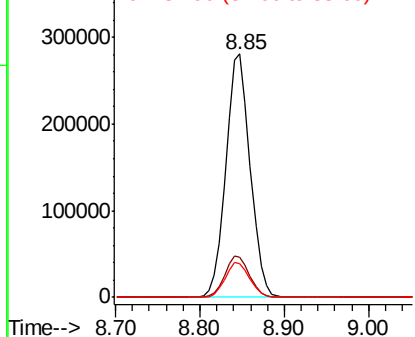
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.2	0.0	33.6
88	14.1	0.0	28.4

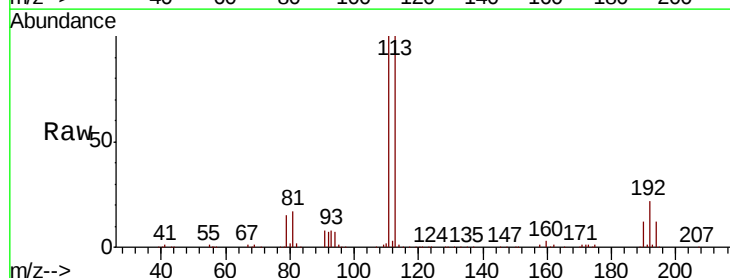


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

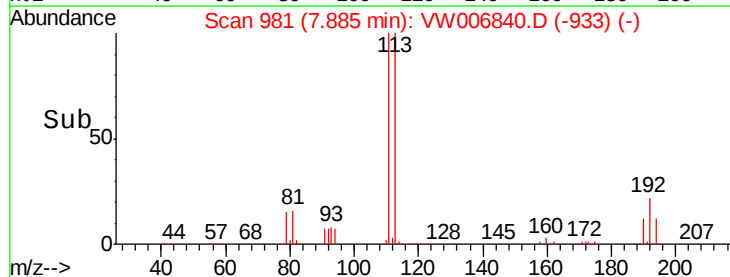
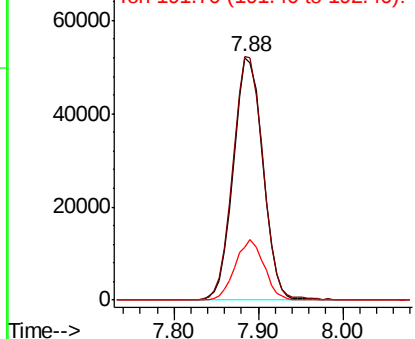


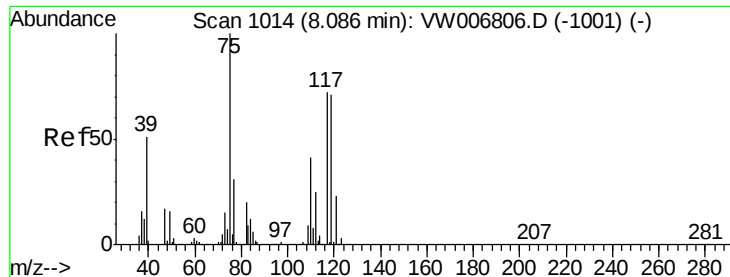
#35
Dibromofluoromethane
Concen: 37.761 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.0	121.6
192	24.3	19.0	28.6



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

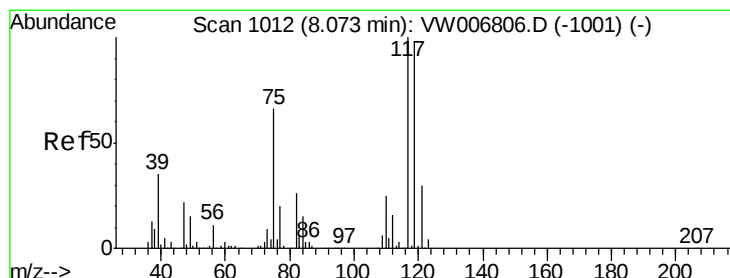
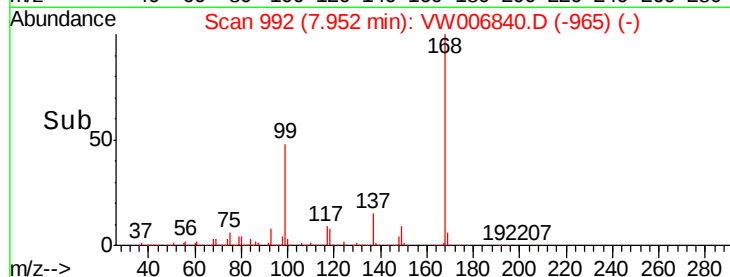
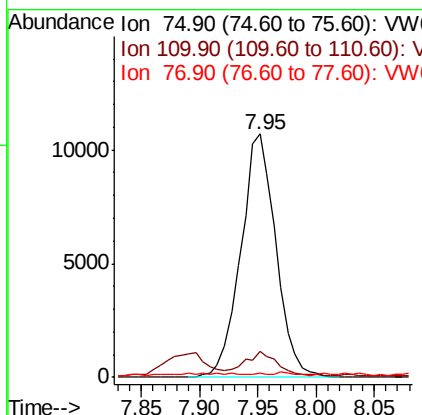
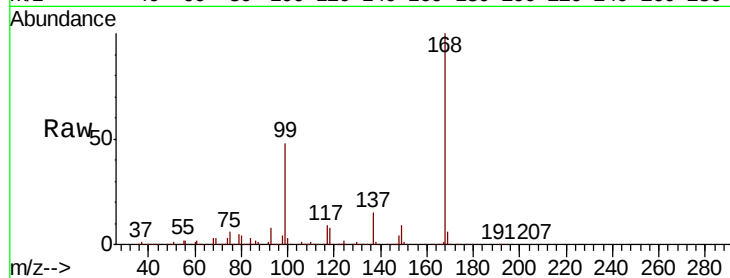




#36
 1,1-Dichloropropene
 Concen: 4.386 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006840.D
 Acq: 13 Nov 2018 07:25

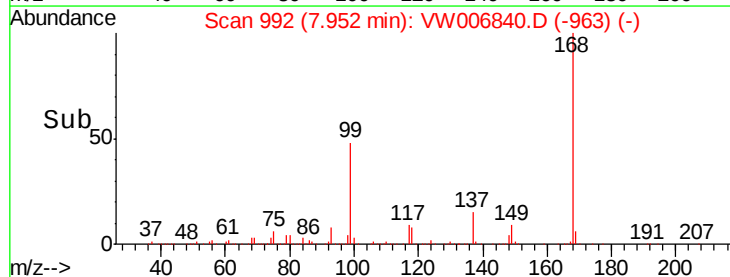
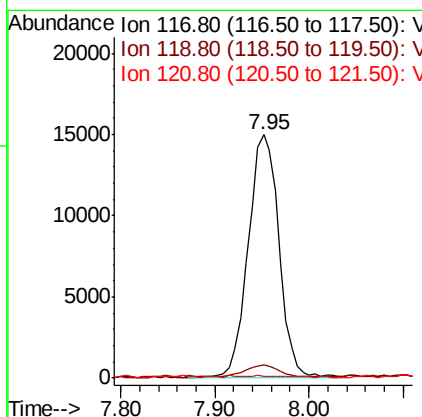
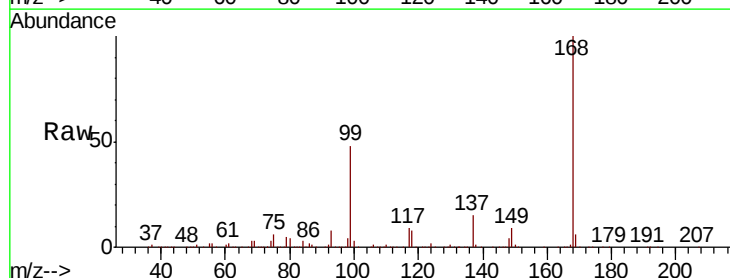
Instrument :
 MSVOA_W
 ClientSampled :

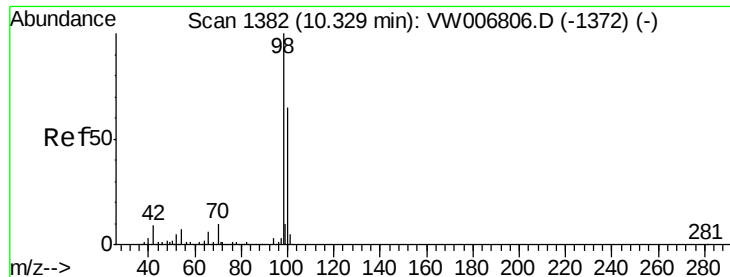
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.9	59.6#
77	0.5	25.4	38.2#



#38
 Carbon Tetrachloride
 Concen: 6.147 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006840.D
 Acq: 13 Nov 2018 07:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.5	117.7#
121	0.5	24.2	36.2#





#50

Toluene-d8

Concen: 36.819 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

Instrument :

MSVOA_W

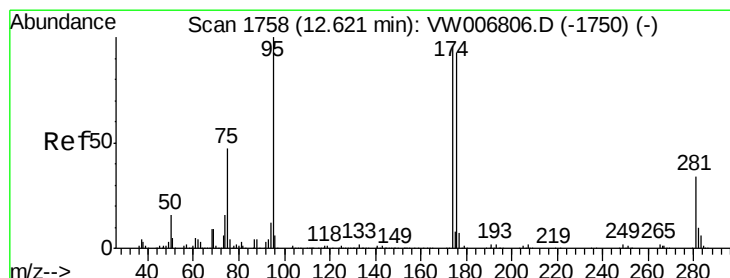
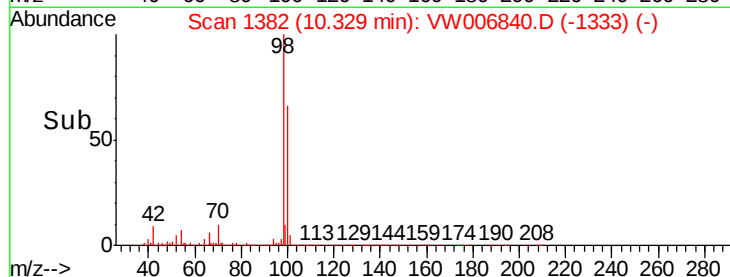
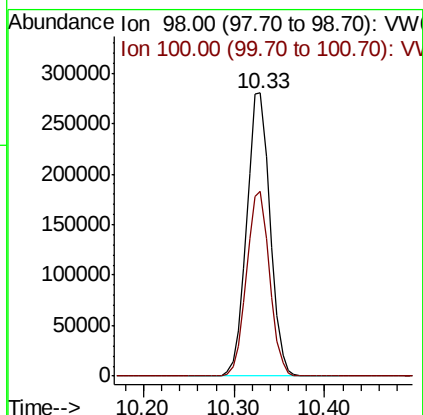
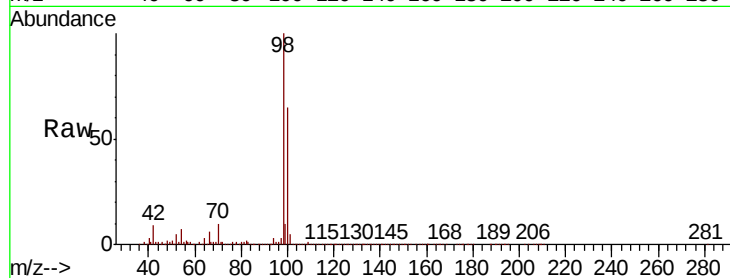
ClientSampleId :

Tot Ion: 98 Resp: 499006

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 36.672 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

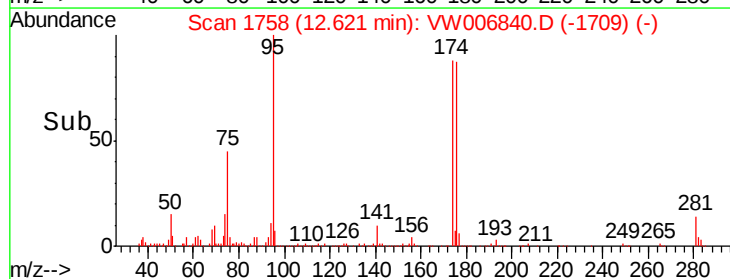
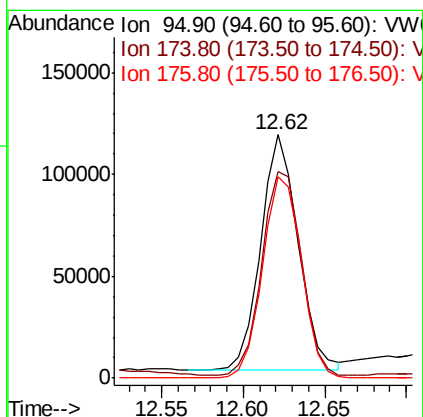
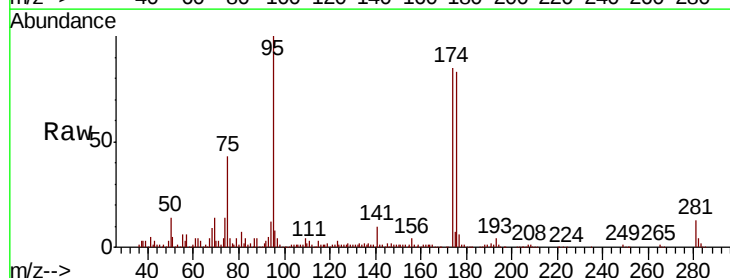
Tgt Ion: 95 Resp: 183058

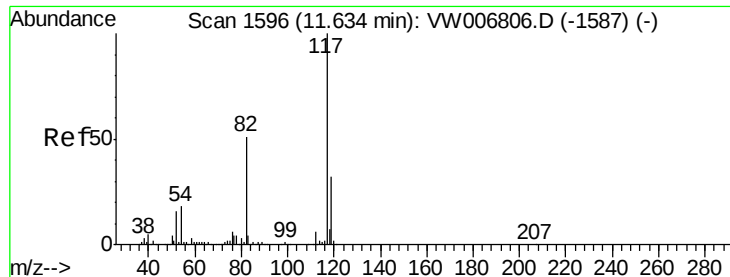
Ion Ratio Lower Upper

95 100

174 91.7 0.0 196.6

176 88.9 0.0 191.6

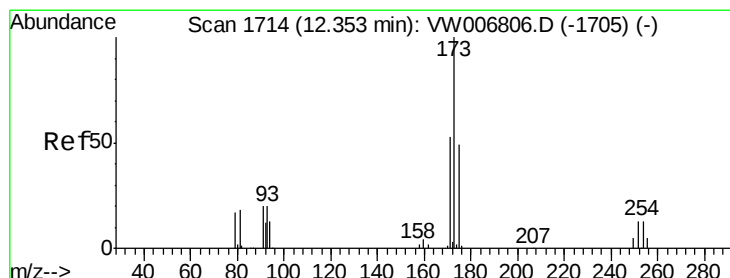
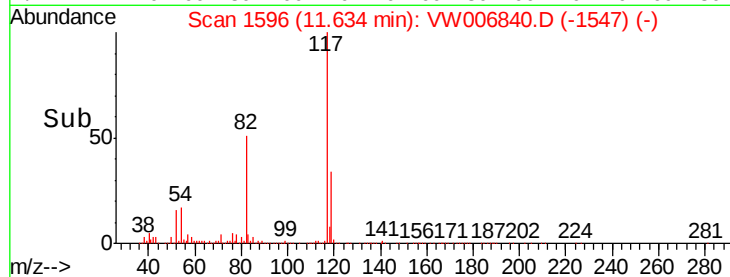
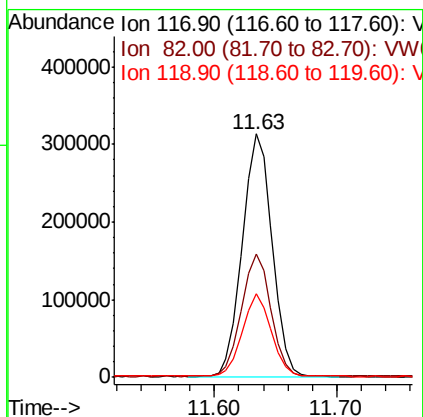
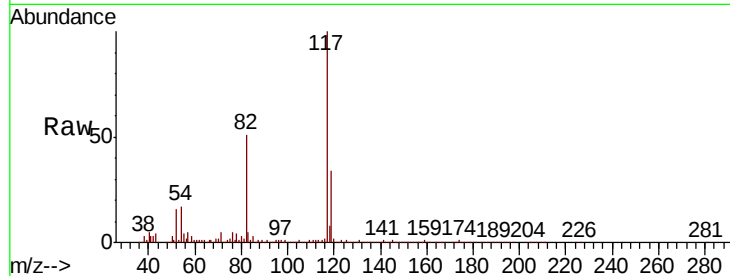




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

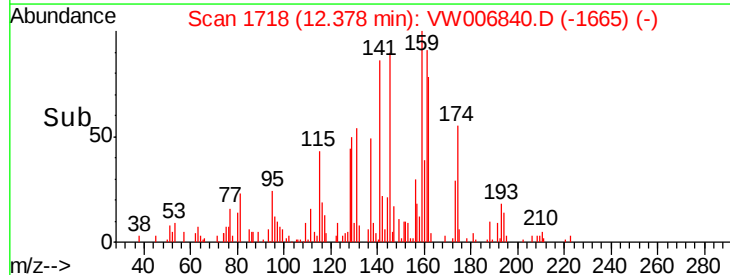
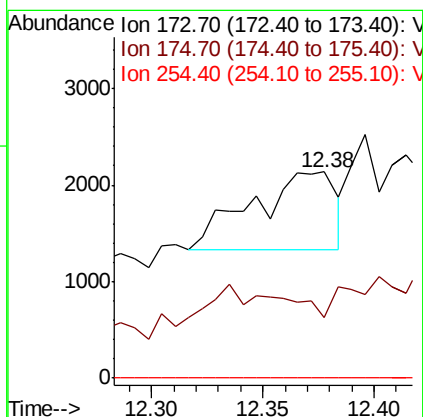
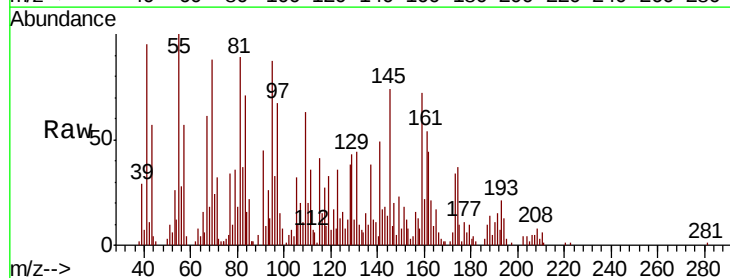
Instrument :
MSVOA_W
ClientSampled :

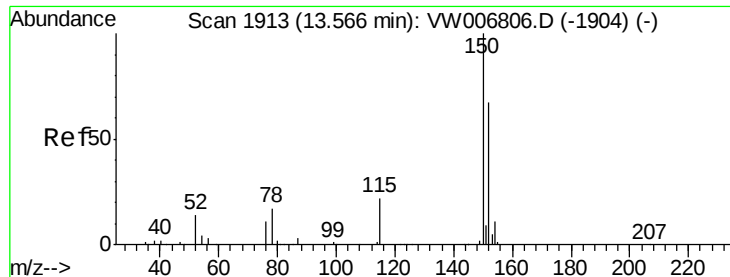
Tot Ion:117 Resp: 527611
Ion Ratio Lower Upper
117 100
82 50.6 40.6 61.0
119 34.1 25.5 38.3



#71
Bromoform
Concen: 1.024 ug/l
RT: 12.38 min Scan# 1718
Delta R.T. 0.02 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Tgt Ion:173 Resp: 2123
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

Instrument :

MSVOA_W

ClientSampleId :

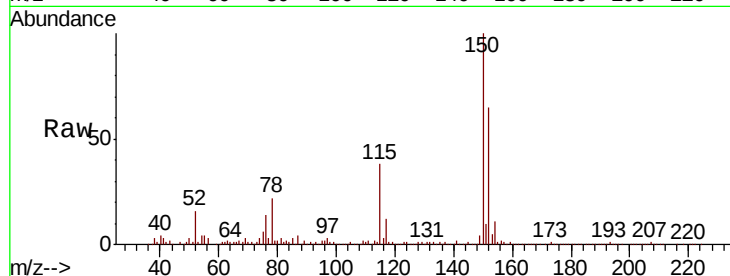
Tot Ion:152 Resp: 273378

Ion Ratio Lower Upper

152 100

115 56.0 27.3 81.8

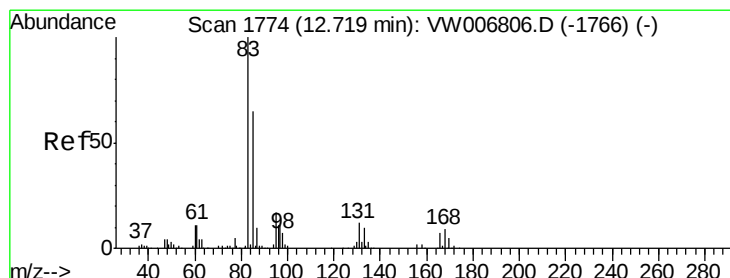
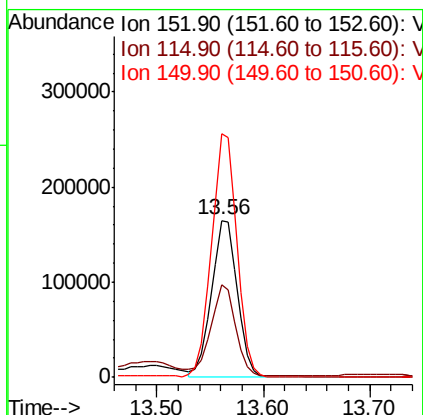
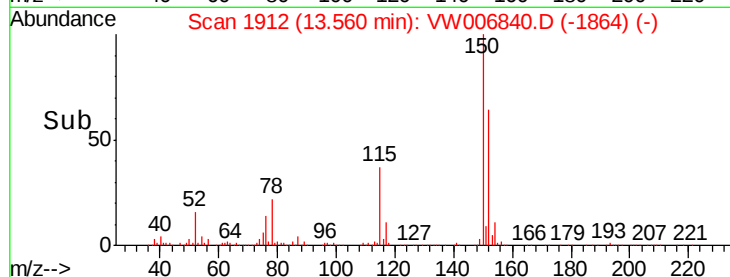
150 152.3 0.0 353.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: 24.193 ug/l

RT: 12.73 min Scan# 1775

Delta R.T. 0.01 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

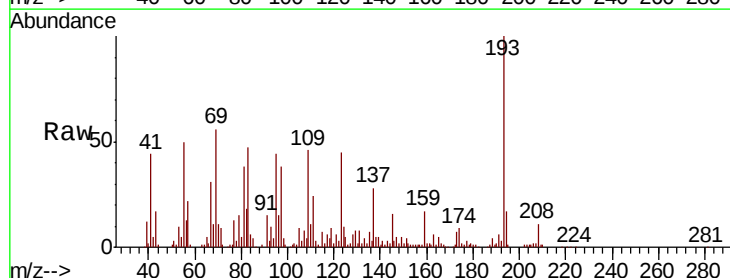
Tgt Ion: 83 Resp: 63507

Ion Ratio Lower Upper

83 100

131 0.0 6.1 18.3#

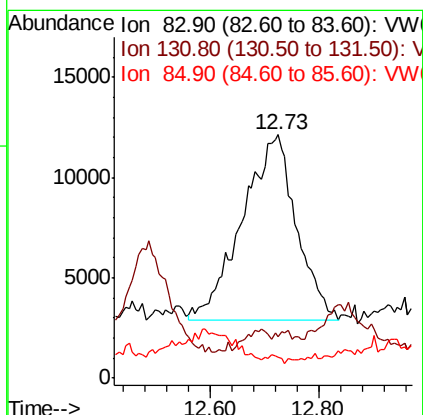
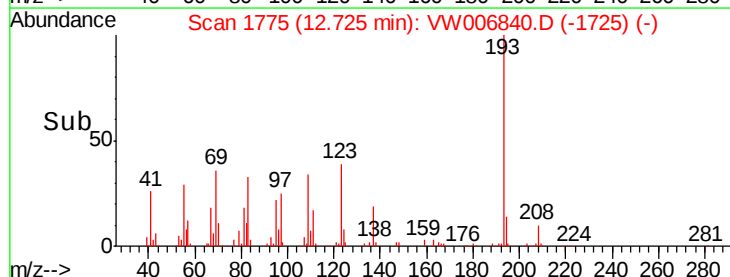
85 1.1 32.4 97.0#

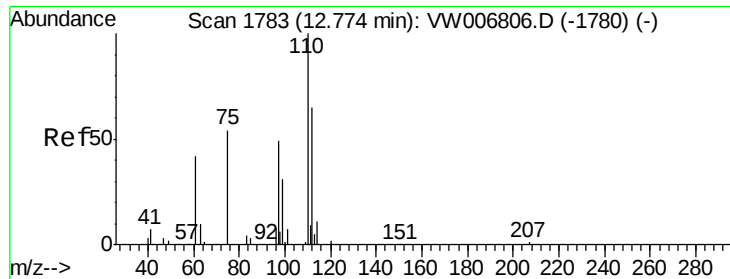


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



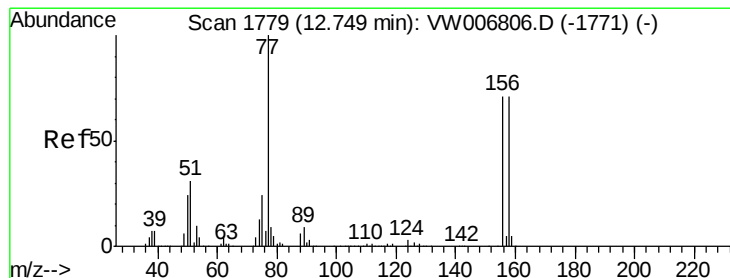
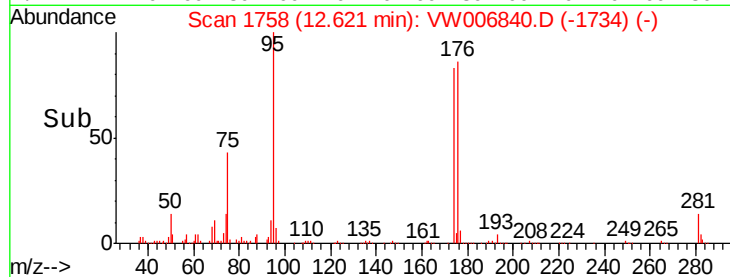
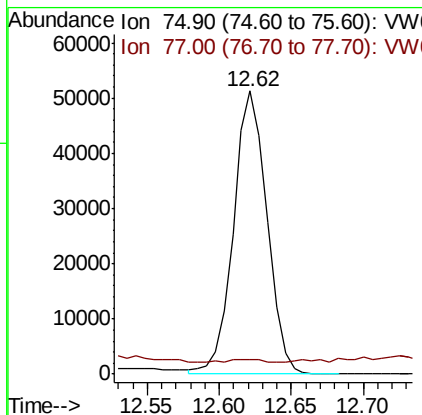
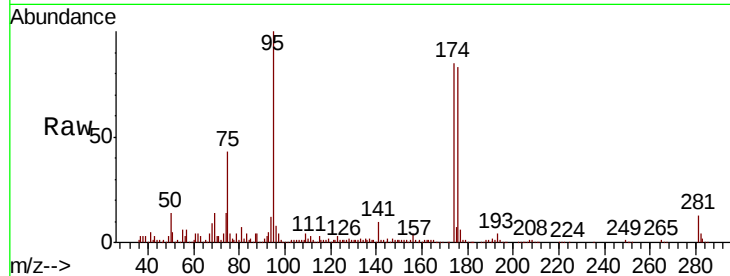


#76

1,2,3-Trichloropropane
Concen: 41.899 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Instrument :
MSVOA_W
ClientSampled :

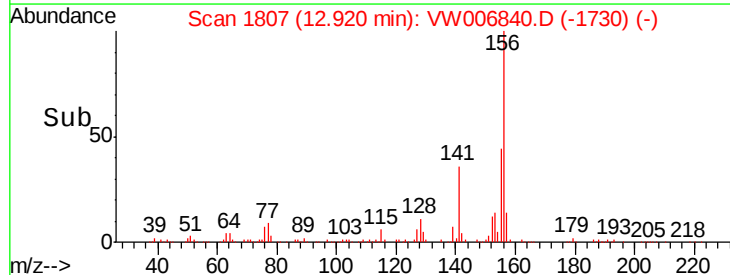
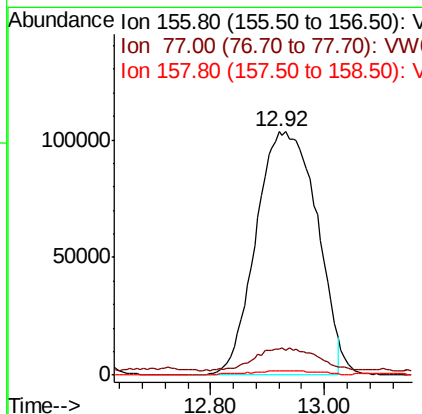
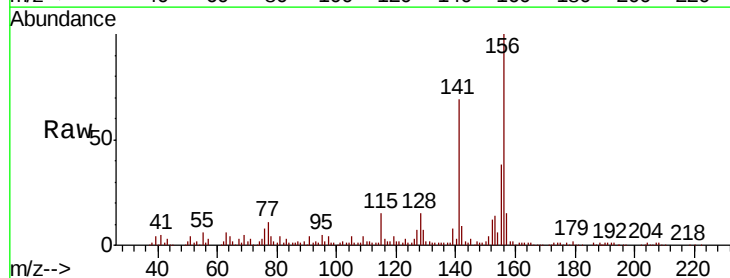
Tot Ion: 75 Resp: 82547
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

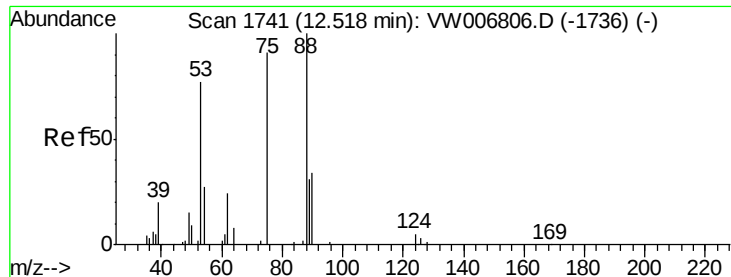


#77

Bromobenzene
Concen: 159.119 ug/l
RT: 12.92 min Scan# 1807
Delta R.T. 0.17 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Tgt Ion: 156 Resp: 761256
Ion Ratio Lower Upper
156 100
77 9.5 75.3 225.7#
158 1.0 49.2 147.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 4.816 ug/l

RT: 12.45 min Scan# 1730

Delta R.T. -0.07 min

Lab File: VW006840.D

Acq: 13 Nov 2018 07:25

Instrument :

MSVOA_W

ClientSampleId :

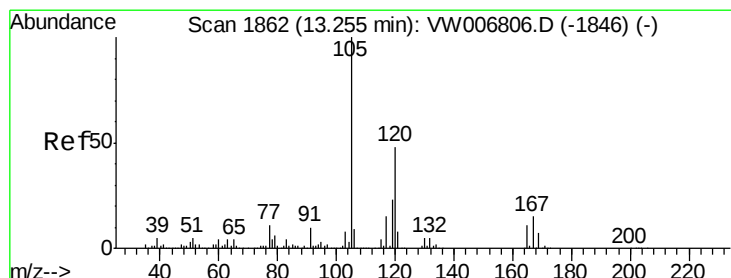
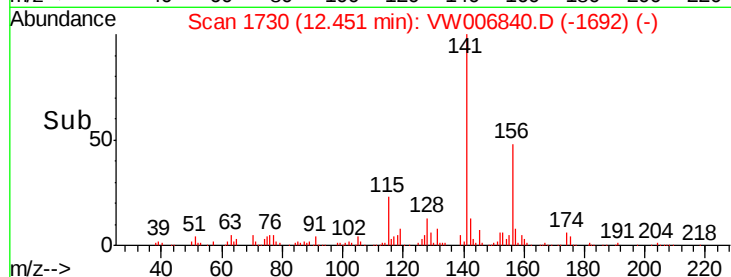
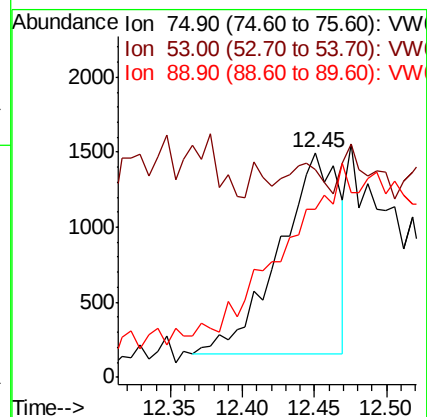
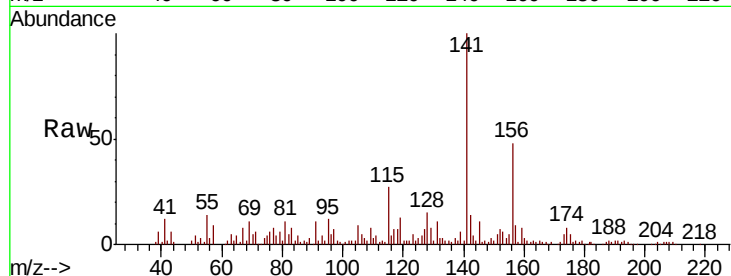
Tot Ion: 75 Resp: 3836

Ion Ratio Lower Upper

75 100

53 12.2 72.9 109.3#

89 0.0 38.7 58.1#



#84

1,2,4-Trimethylbenzene

Concen: 1.318 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006840.D

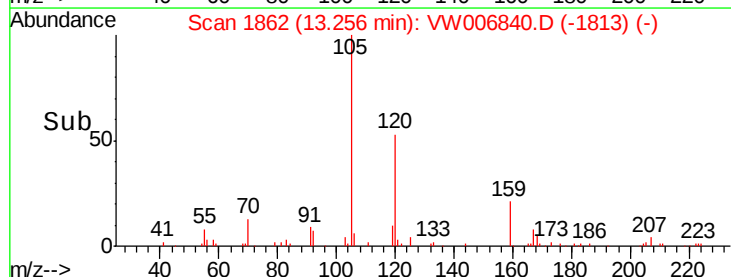
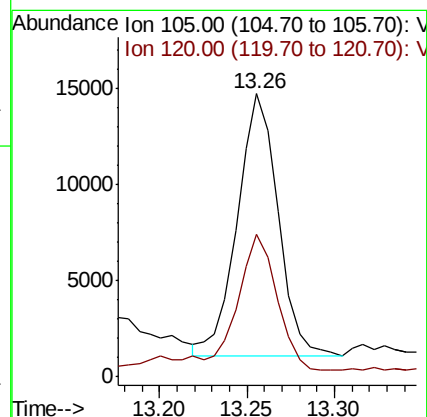
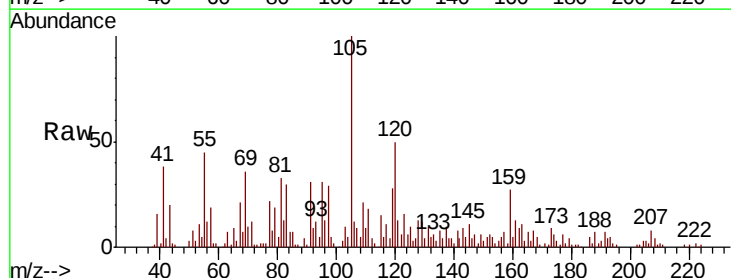
Acq: 13 Nov 2018 07:25

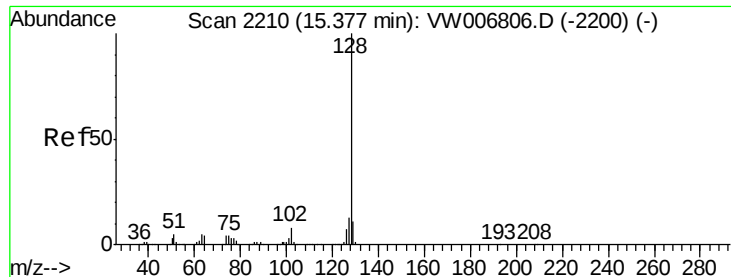
Tgt Ion: 105 Resp: 21879

Ion Ratio Lower Upper

105 100

120 49.5 23.4 70.0

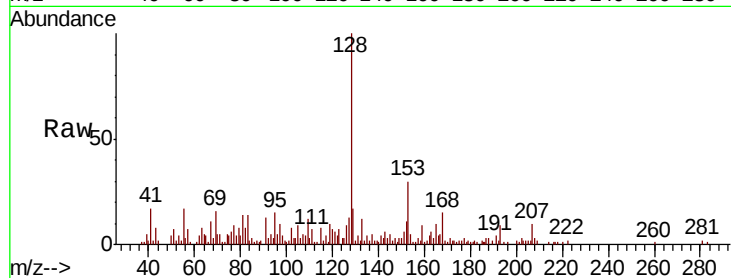




#95
Naphthalene
Concen: 1.998 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006840.D
Acq: 13 Nov 2018 07:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128	Resp:	19160
Ion	Ratio	Lower Upper
128	100	
127	14.2	10.3 15.5
129	12.0	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

