

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006109.D
 Acq On : 17 Oct 2018 06:30
 Operator : VA/AP
 Sample : J5539-06
 Misc : 6.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB12-6-8FT

Quant Time: Oct 17 07:22:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	477692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	400876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	178864	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	144529	57.29	ug/l	0.00
Spiked Amount			Recovery	=	114.58%	
35) Dibromofluoromethane	7.88	113	141613	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.33	98	497837	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.62	95	166736	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	

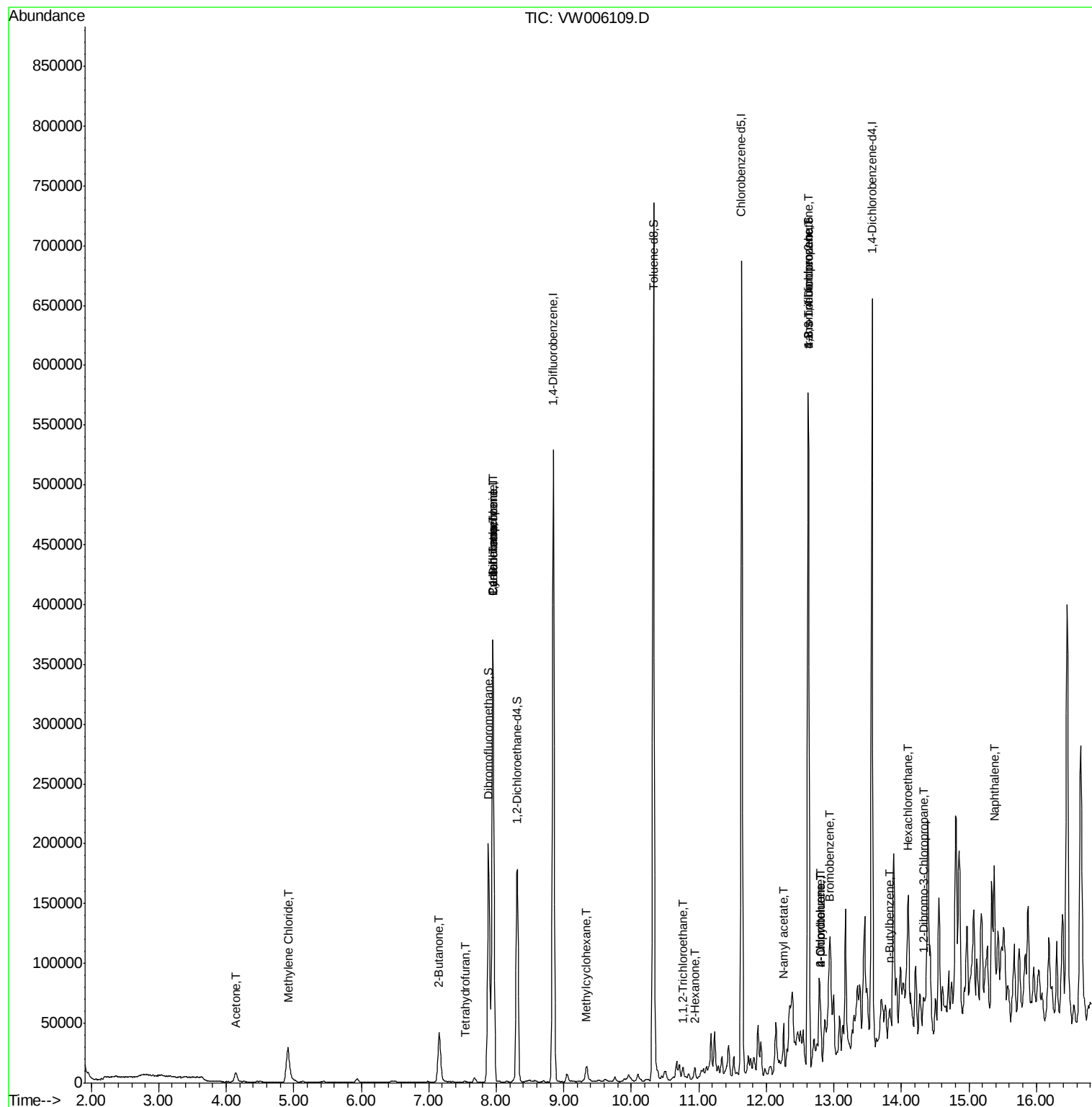
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.15	43	15759	19.657	ug/l	98
20) Methylene Chloride	4.92	84	25863	8.332	ug/l	97
25) 2-Butanone	7.15	43	2981	4.374	ug/l #	69
29) Tetrahydrofuran	7.54	42	425	1.015	ug/l #	56
31) Cyclohexane	7.95	56	5574	1.207	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	18928	4.299	ug/l #	48
38) Carbon Tetrachloride	7.95	117	26267	5.442	ug/l #	16
39) Methylcyclohexane	9.34	83	6839	1.169	ug/l	89
55) 1,1,2-Trichloroethane	10.77	97	4359	1.891	ug/l #	20
59) 2-Hexanone	10.94	43	3978	3.325	ug/l #	26
74) N-amyl acetate	12.26	43	7675	3.127	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	81229	59.458	ug/l #	100
77) Bromobenzene	12.93	156	33751	10.905	ug/l #	1
78) n-propylbenzene	12.81	91	19323	1.314	ug/l	98
79) 2-Chlorotoluene	12.81	91	19334	2.341	ug/l #	39
81) trans-1,4-Dichloro-2-buten	12.62	75	81229	142.127	ug/l #	10
82) 4-Chlorotoluene	12.81	91	19299	2.230	ug/l #	39
89) n-Butylbenzene	13.83	91	13362	1.200	ug/l #	86
90) Hexachloroethane	14.11	117	5360	2.598	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.34	75	563	1.636	ug/l	78
95) Naphthalene	15.38	128	121367	17.258	ug/l	99

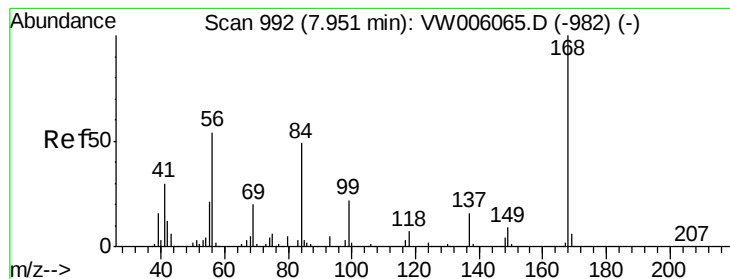
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 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: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

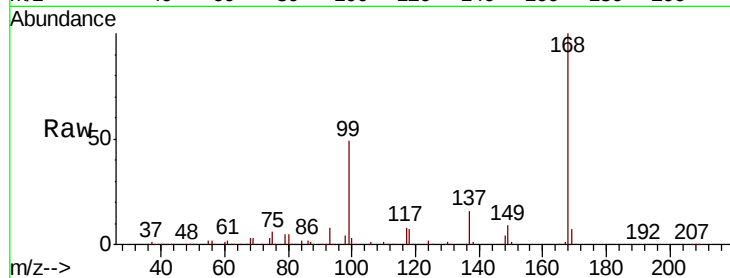
SB12-6-8FT

Tgt Ion:168 Resp: 304294

Ion Ratio Lower Upper

168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

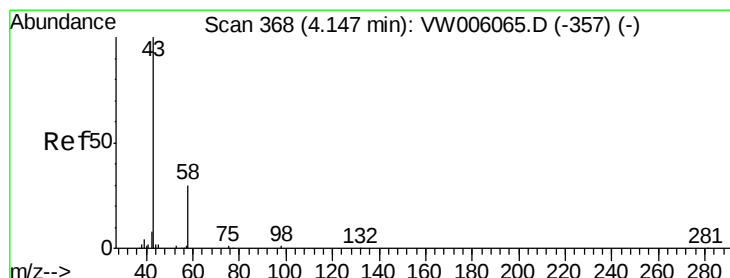
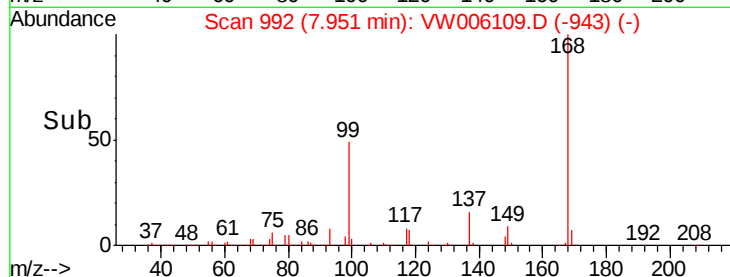
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 19.657 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006109.D

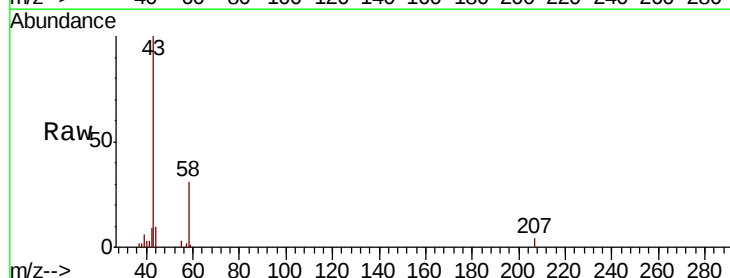
Acq: 17 Oct 2018 06:30

Tgt Ion: 43 Resp: 15759

Ion Ratio Lower Upper

43 100

58 30.9 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

6000

5000

4000

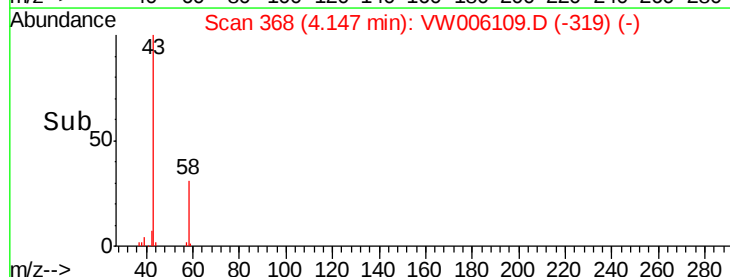
3000

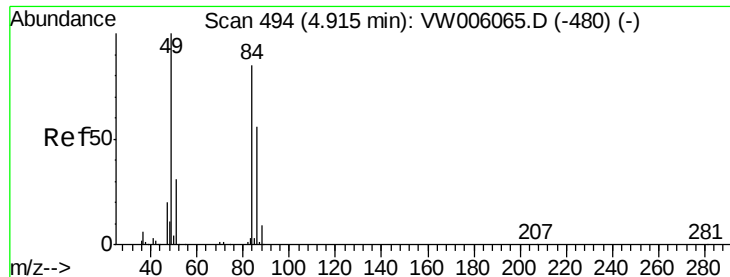
2000

1000

0

Time--> 4.00 4.10 4.20

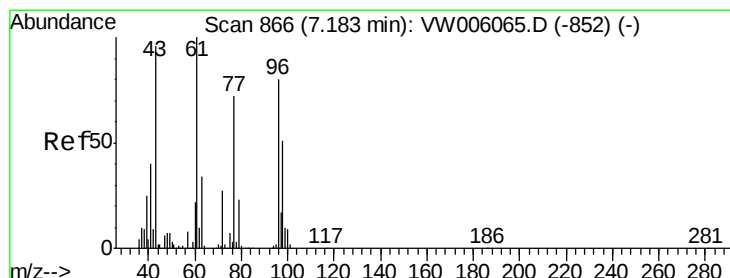
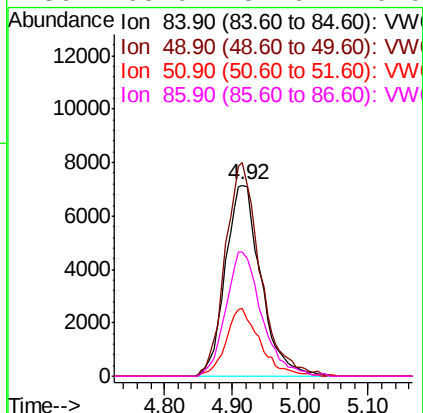
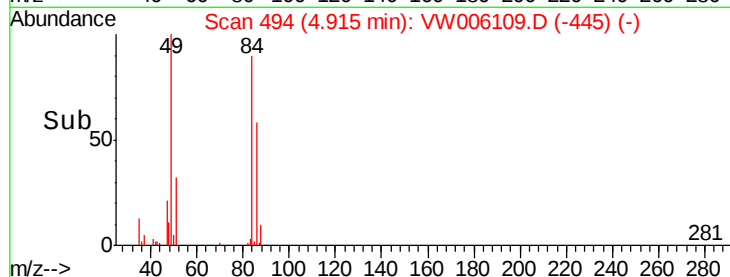
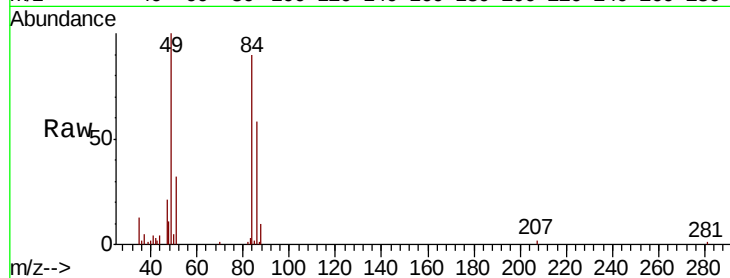




#20
Methylene Chloride
Concen: 8.332 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

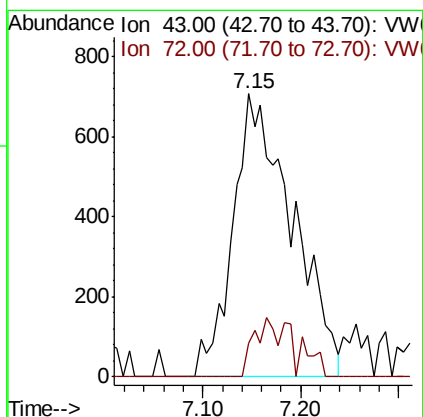
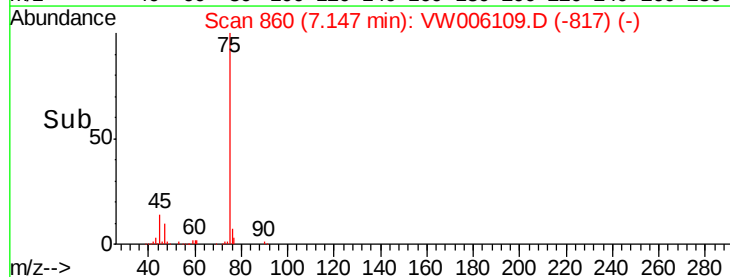
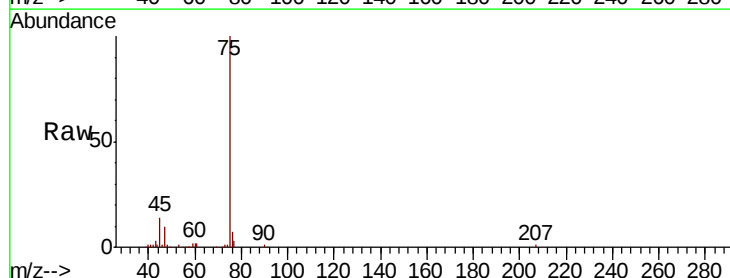
Instrument :
MSVOA_W
ClientSampleId :
SB12-6-8FT

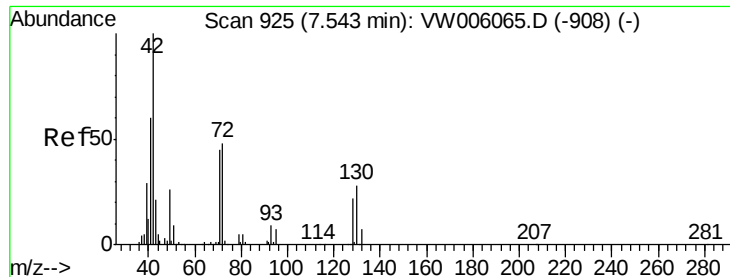
Tgt Ion: 84 Resp: 25863
Ion Ratio Lower Upper
84 100
49 111.7 93.6 140.4
51 35.8 29.0 43.4
86 65.0 52.6 79.0



#25
2-Butanone
Concen: 4.374 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

Tgt Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
72 12.2 22.8 34.2#





#29

Tetrahydrofuran

Concen: 1.015 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

SB12-6-8FT

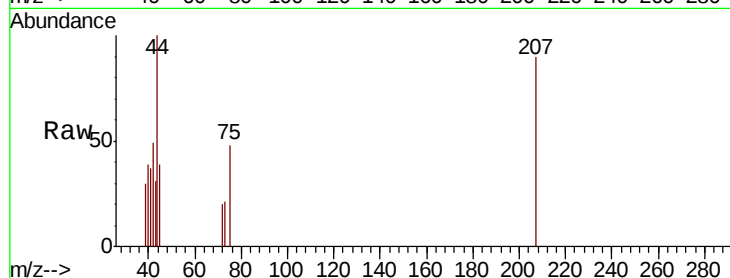
Tgt Ion: 42 Resp: 425

Ion Ratio Lower Upper

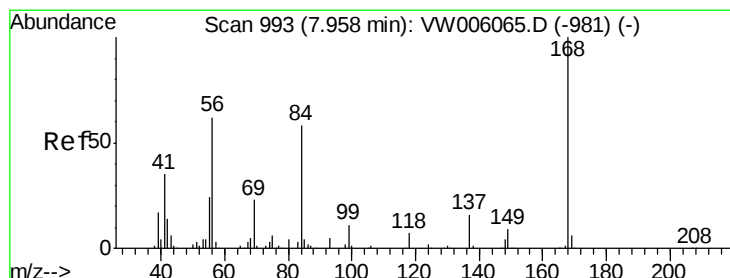
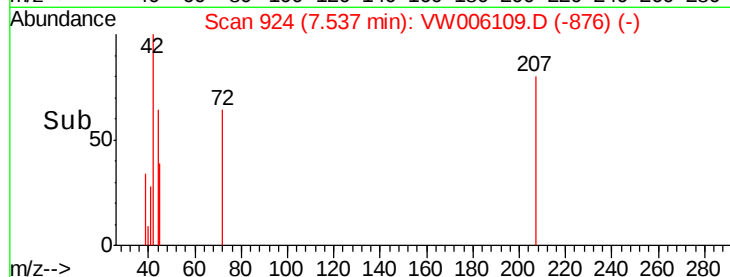
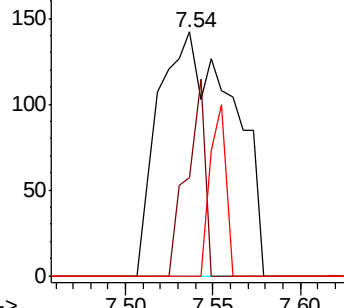
42 100

72 19.3 38.0 57.0#

71 14.8 35.3 52.9#



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: 1.207 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

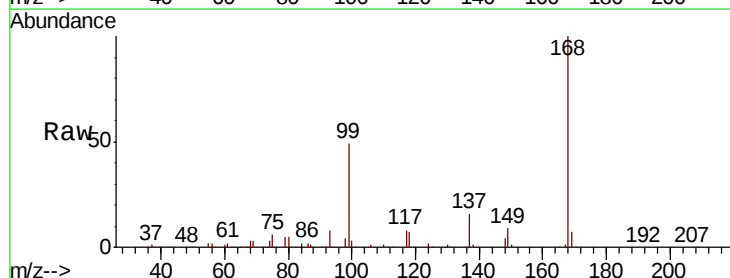
Tgt Ion: 56 Resp: 5574

Ion Ratio Lower Upper

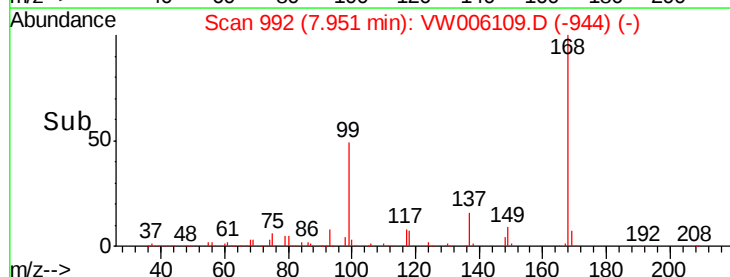
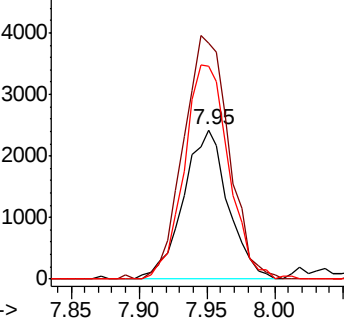
56 100

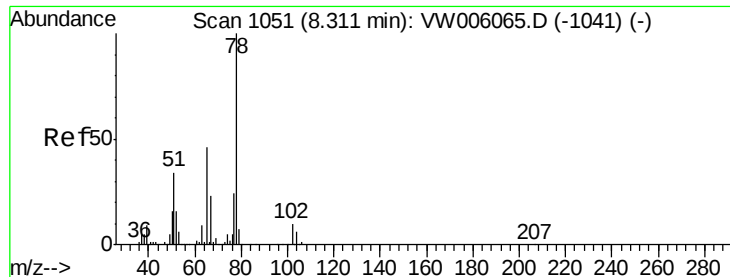
69 156.1 29.4 44.0#

84 143.1 74.0 111.0#



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: 57.290 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

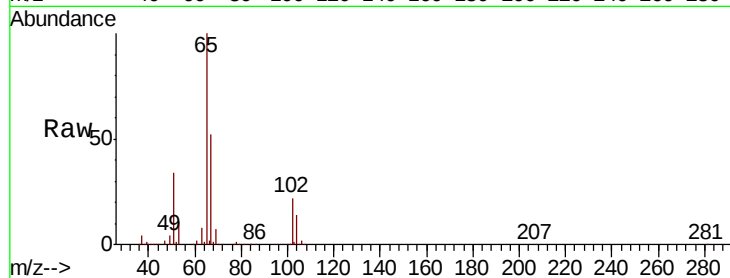
SB12-6-8FT

Tgt Ion: 65 Resp: 144529

Ion Ratio Lower Upper

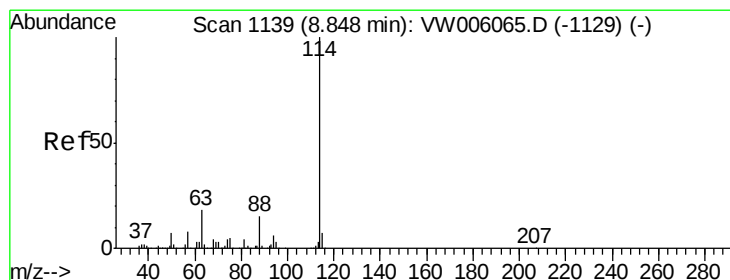
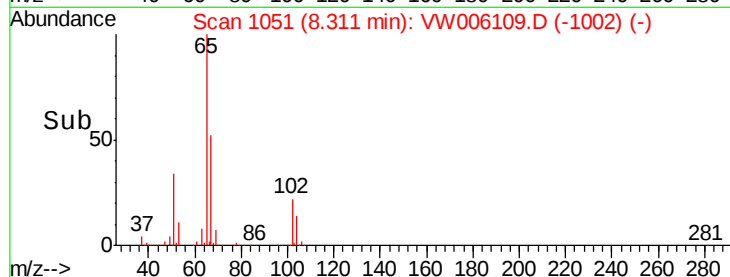
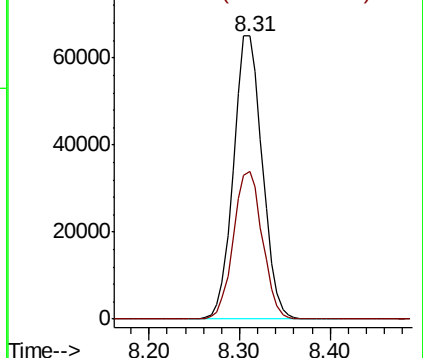
65 100

67 52.6 0.0 101.0



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: VW006109.D

Acq: 17 Oct 2018 06:30

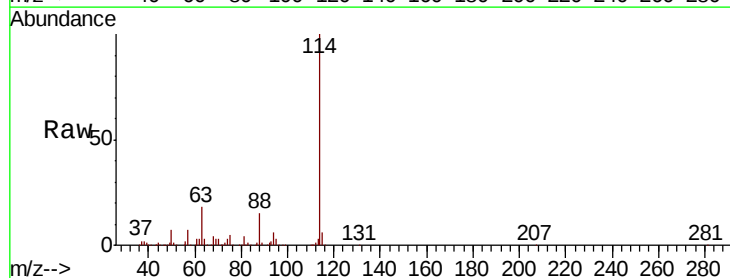
Tgt Ion: 114 Resp: 477692

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

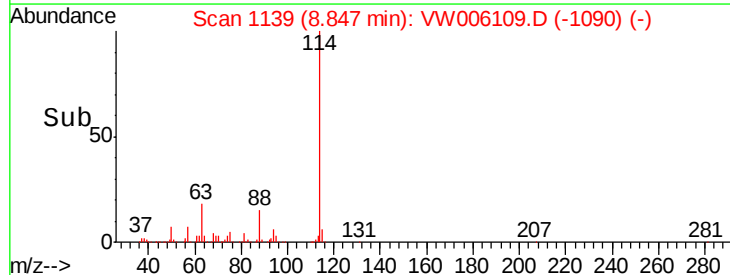
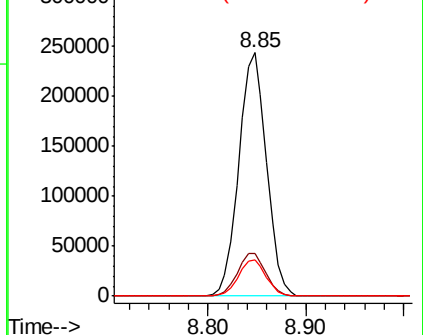
88 15.1 0.0 29.0

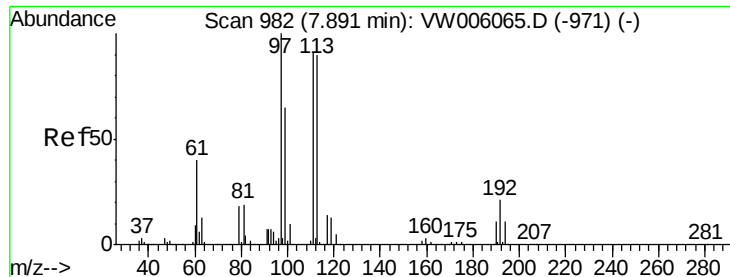


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

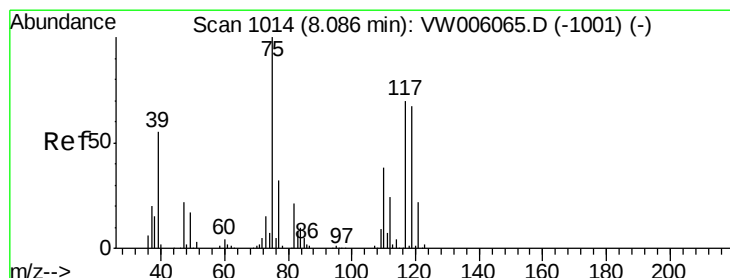
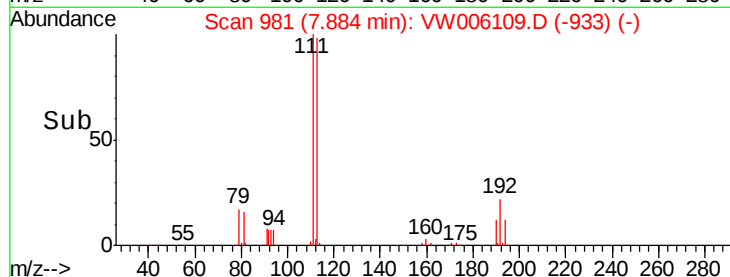
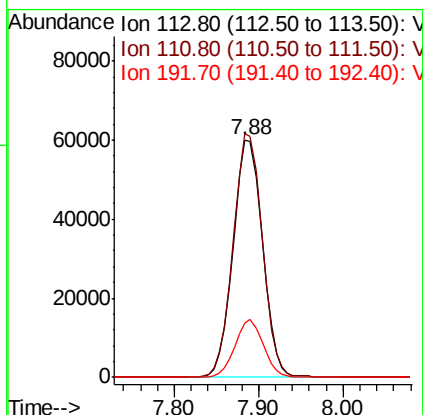
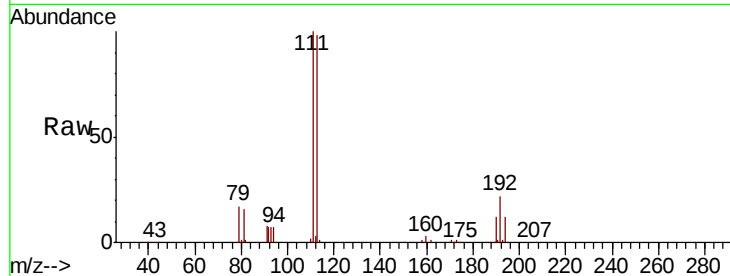




#35
 Dibromofluoromethane
 Concen: 50.170 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006109.D
 Acq: 17 Oct 2018 06:30

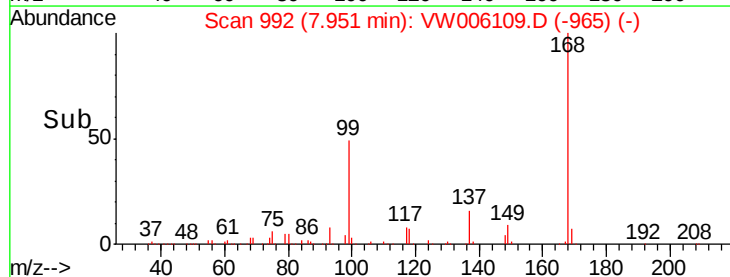
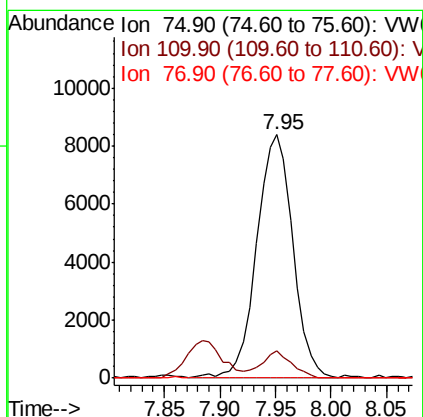
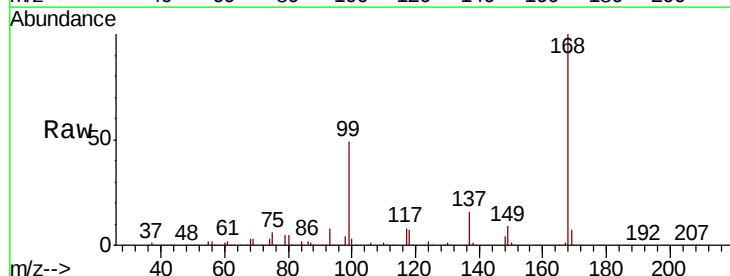
Instrument :
 MSVOA_W
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 SB12-6-8FT

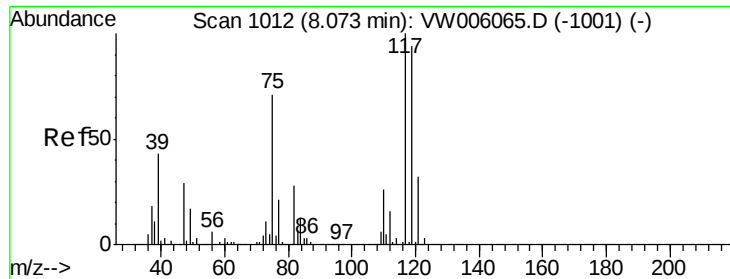
Tgt Ion:113 Resp: 141613
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.4 122.0
 192 23.3 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.299 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006109.D
 Acq: 17 Oct 2018 06:30

Tgt Ion: 75 Resp: 18928
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.442 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

SB12-6-8FT

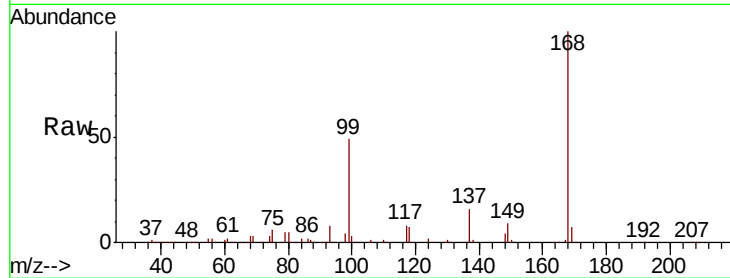
Tgt Ion:117 Resp: 26267

Ion Ratio Lower Upper

117 100

119 4.3 75.2 112.8#

121 0.0 25.3 37.9#

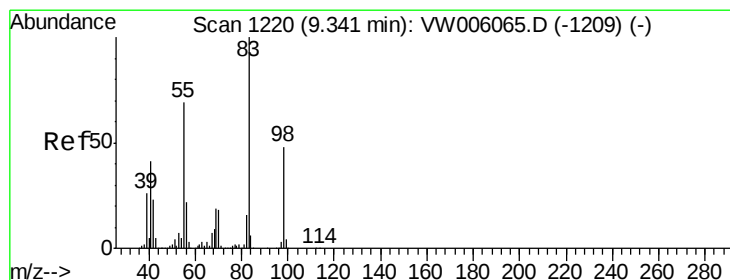
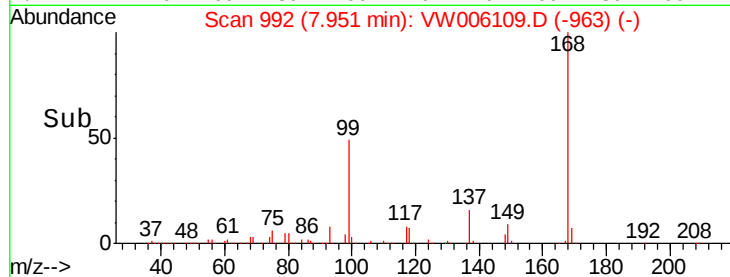
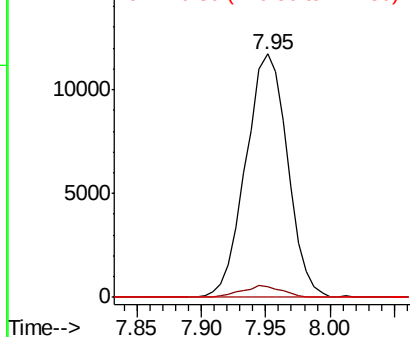


Abundance

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



#39

Methylcyclohexane

Concen: 1.169 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

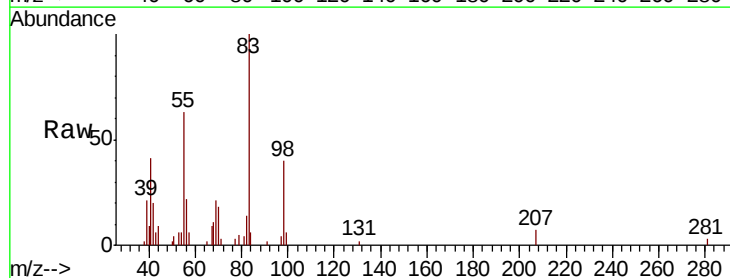
Tgt Ion: 83 Resp: 6839

Ion Ratio Lower Upper

83 100

55 59.9 55.0 82.6

98 39.9 38.6 57.8

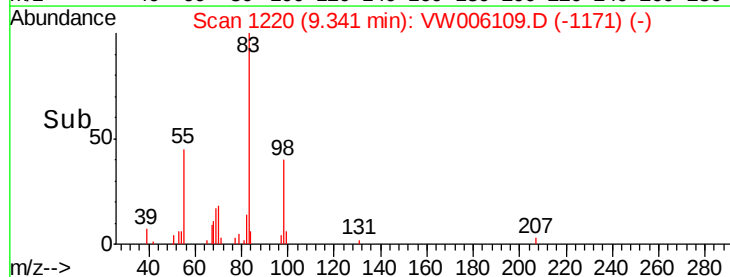
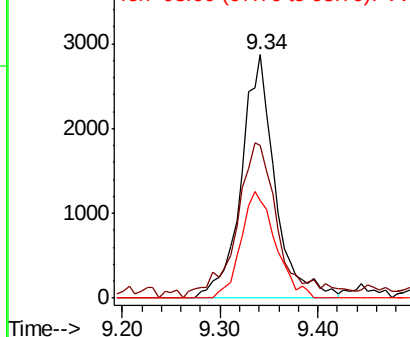


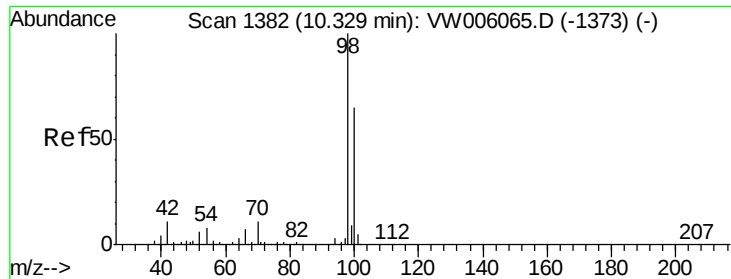
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#50

Toluene-d8

Concen: 46.359 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

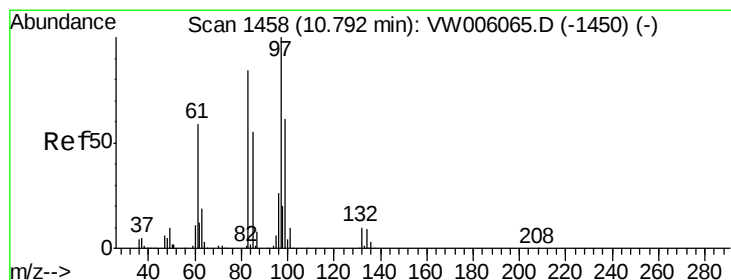
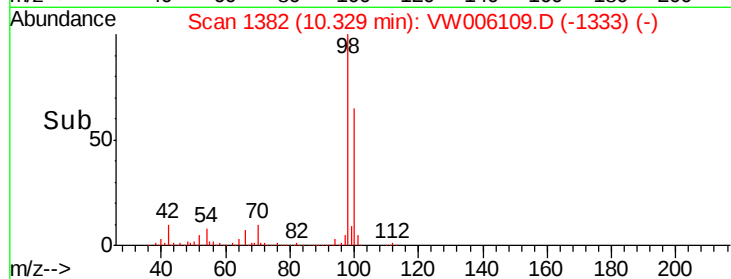
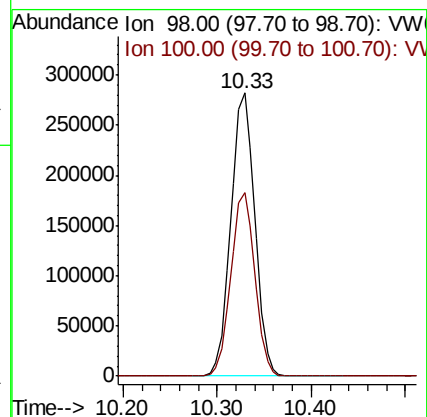
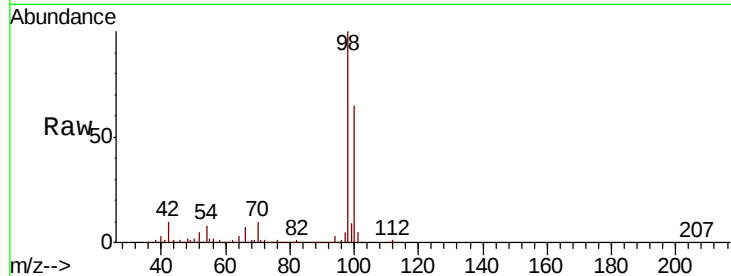
SB12-6-8FT

Tgt Ion: 98 Resp: 497837

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#55

1,1,2-Trichloroethane

Concen: 1.891 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Tgt Ion: 97 Resp: 4359

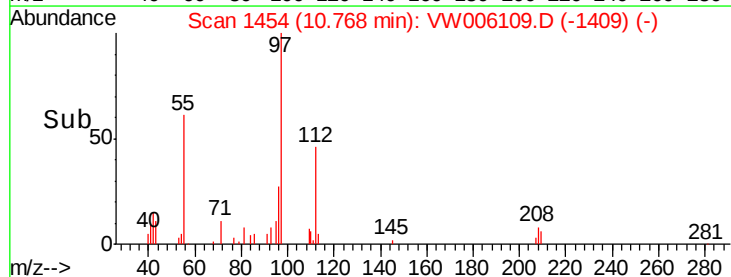
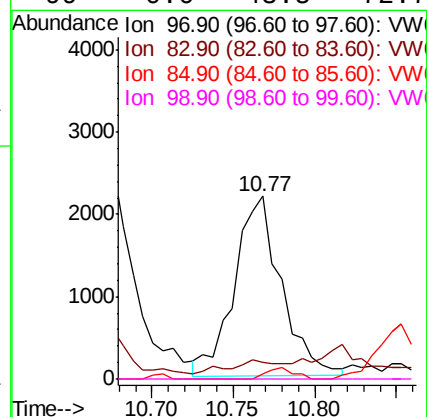
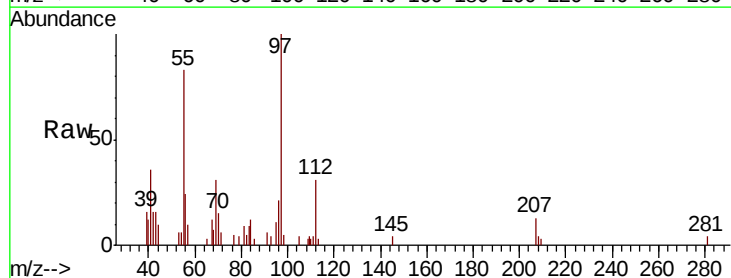
Ion Ratio Lower Upper

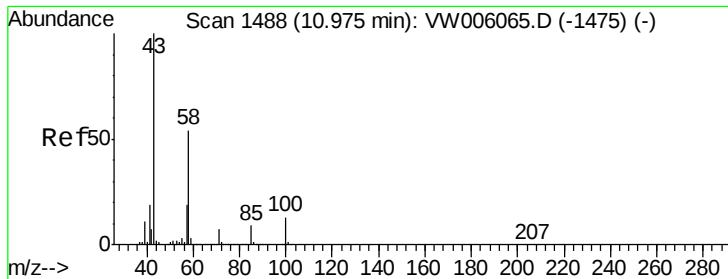
97 100

83 6.4 67.2 100.8#

85 2.7 43.7 65.5#

99 0.0 48.5 72.7#

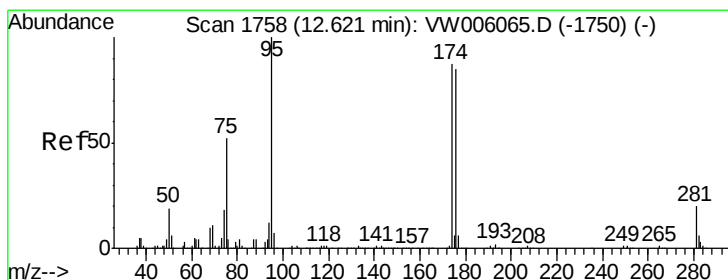
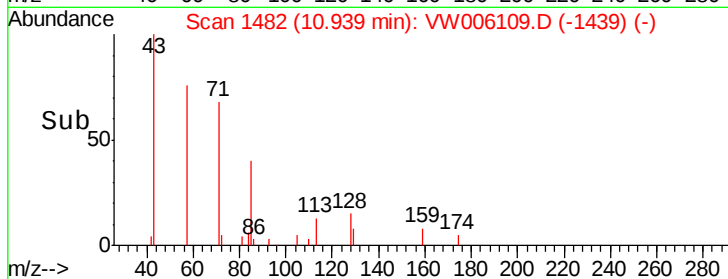
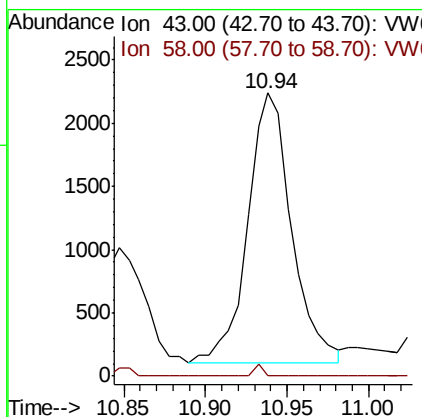
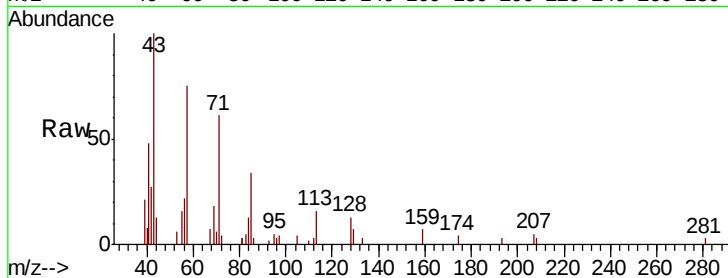




#59
2-Hexanone
Concen: 3.325 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

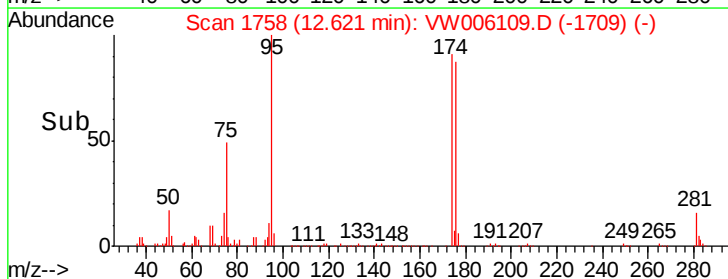
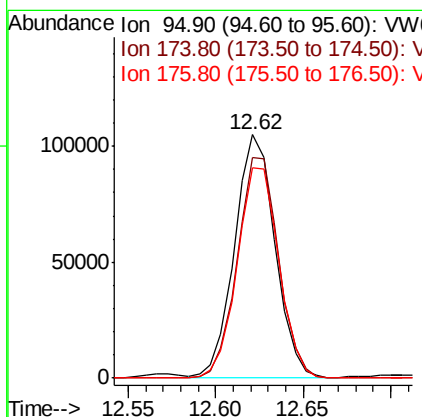
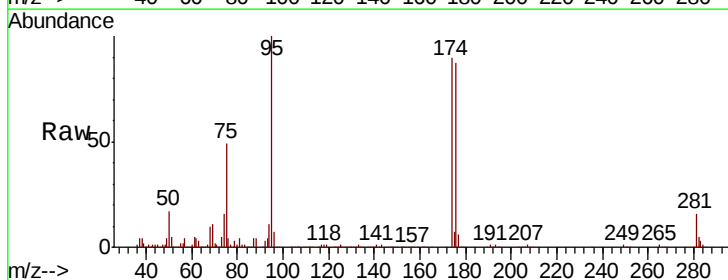
Instrument :
MSVOA_W
ClientSampleId :
SB12-6-8FT

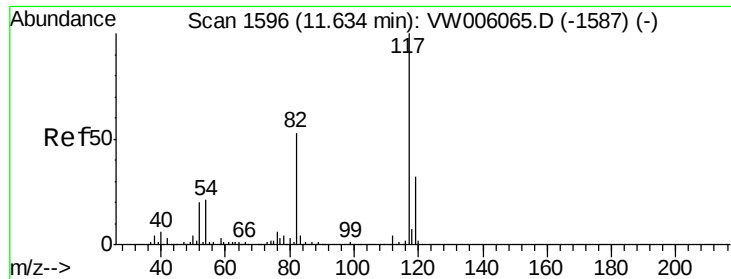
Tgt Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
58 0.9 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 41.339 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

Tgt Ion: 95 Resp: 166736
Ion Ratio Lower Upper
95 100
174 93.6 0.0 186.0
176 90.1 0.0 181.6

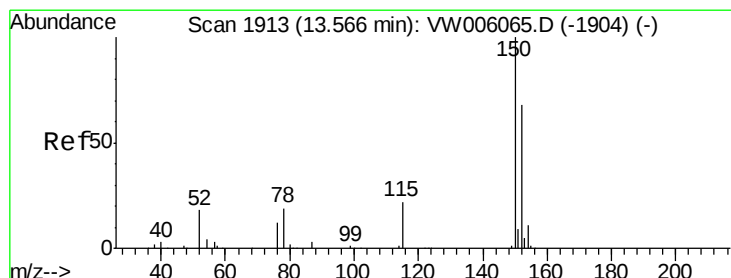
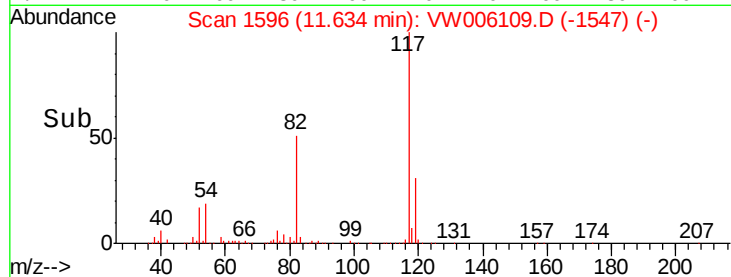
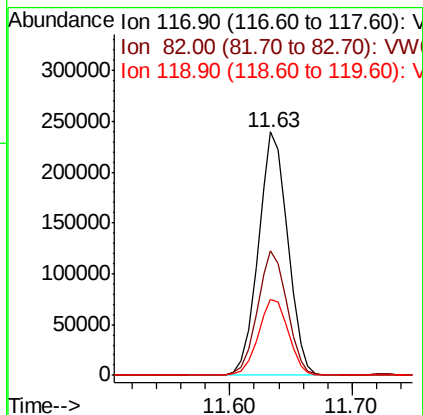
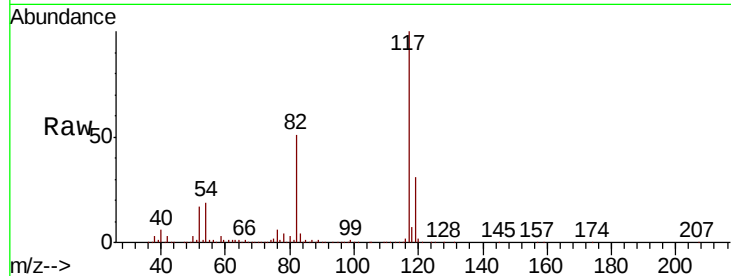




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

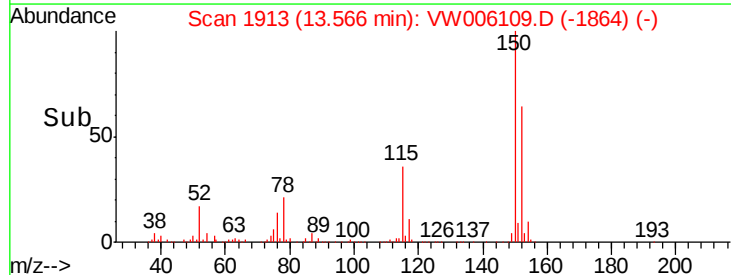
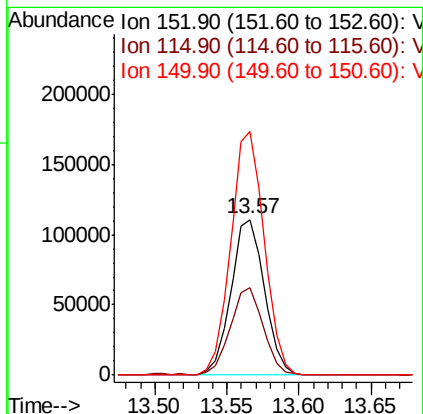
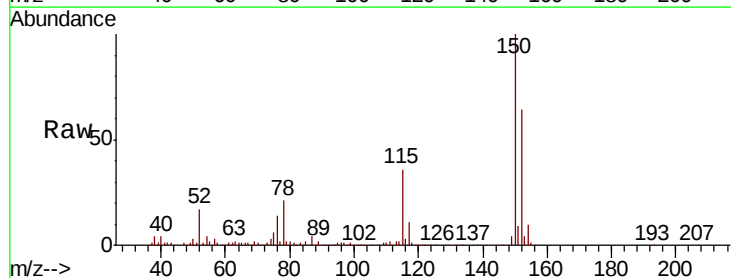
Instrument :
MSVOA_W
ClientSampleId :
SB12-6-8FT

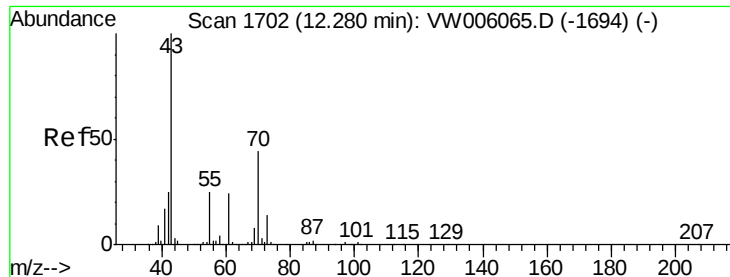
Tgt Ion:117 Resp: 400876
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

Tgt Ion:152 Resp: 178864
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.3
150 157.0 0.0 349.2





#74

N-ethyl acetate

Concen: 3.127 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleID :

SB12-6-8FT

Tgt Ion: 43 Resp: 7675

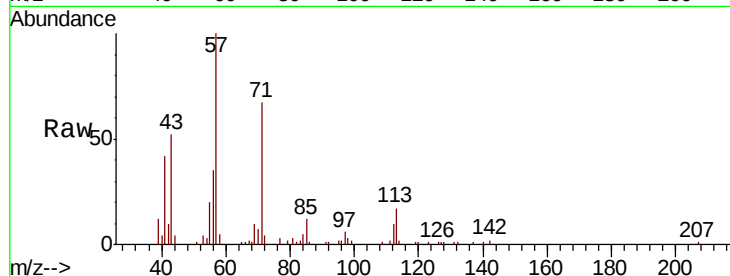
Ion Ratio Lower Upper

43 100

70 19.3 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#

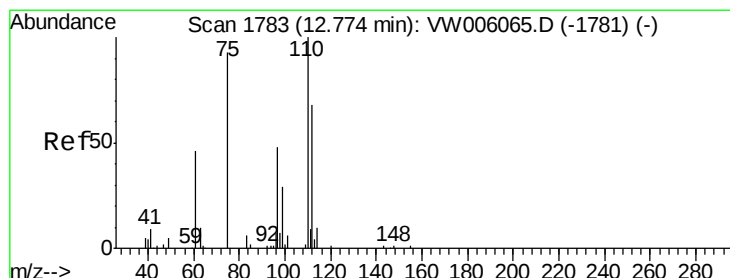
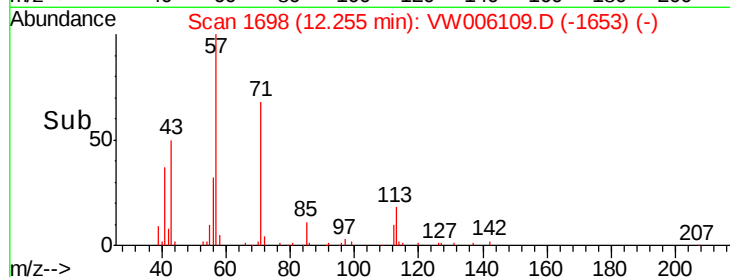
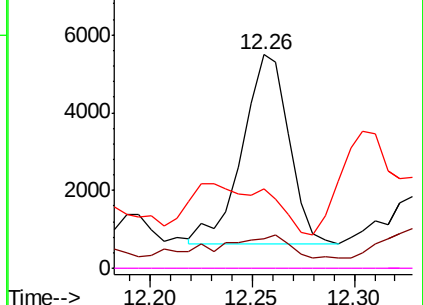


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 59.458 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006109.D

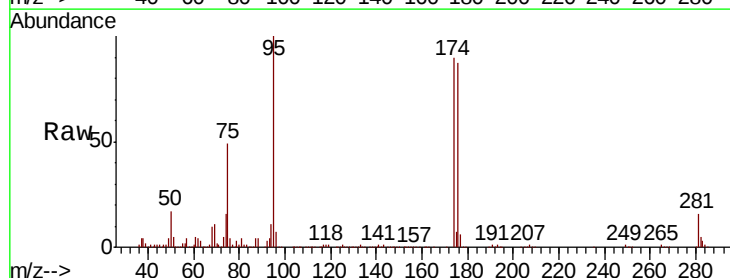
Acq: 17 Oct 2018 06:30

Tgt Ion: 75 Resp: 81229

Ion Ratio Lower Upper

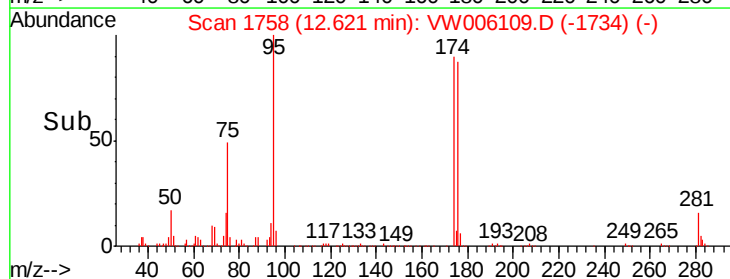
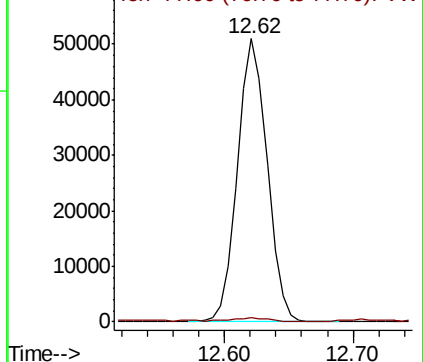
75 100

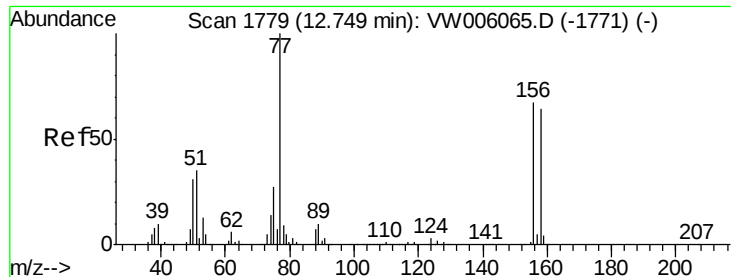
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.905 ug/l

RT: 12.93 min Scan# 1809

Delta R.T. 0.18 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampled :

SB12-6-8FT

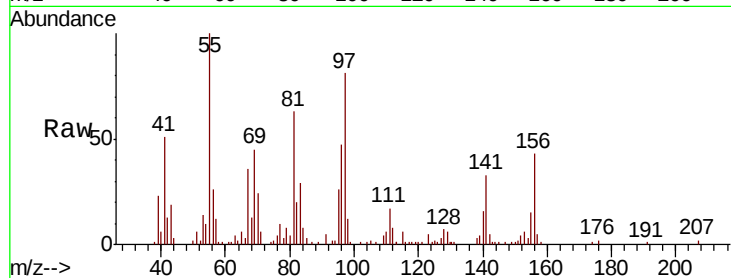
Tgt Ion:156 Resp: 33751

Ion Ratio Lower Upper

156 100

77 2.9 79.1 237.4#

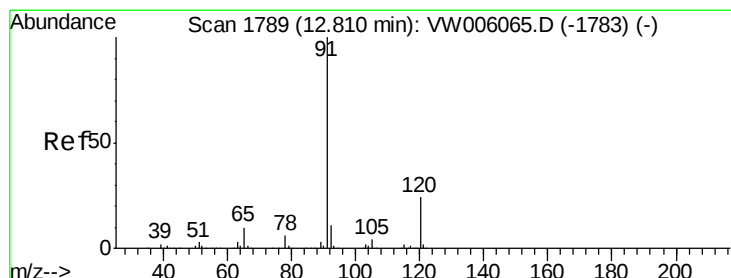
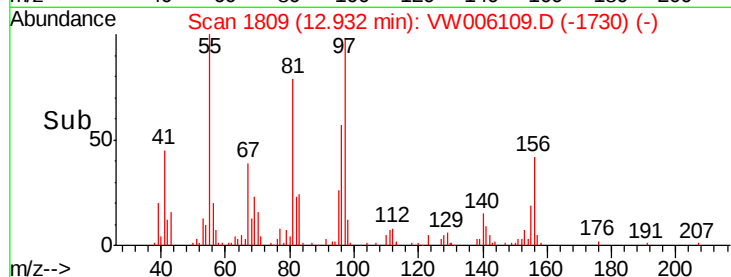
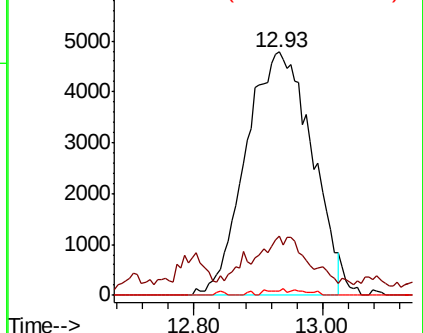
158 0.4 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.314 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006109.D

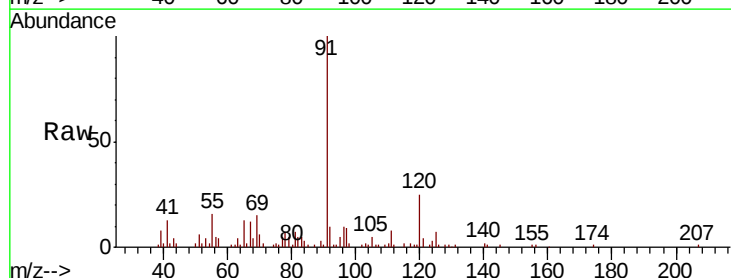
Acq: 17 Oct 2018 06:30

Tgt Ion: 91 Resp: 19323

Ion Ratio Lower Upper

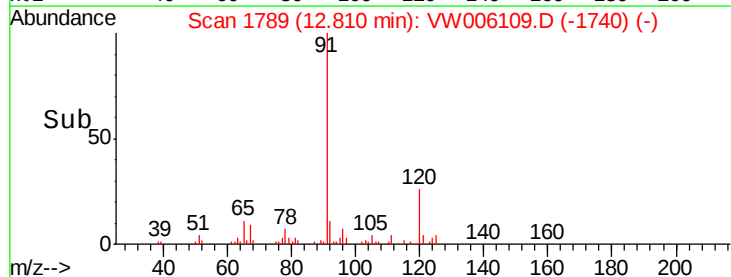
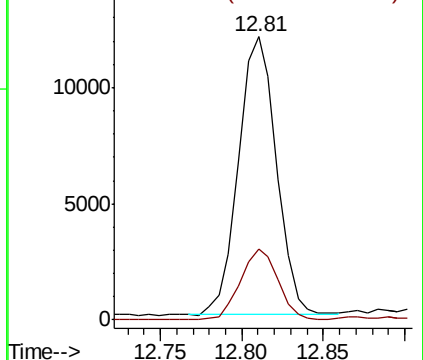
91 100

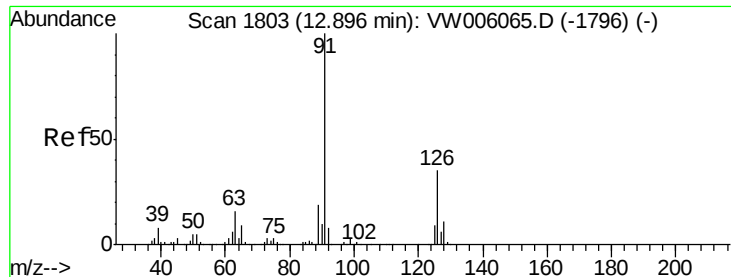
120 25.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

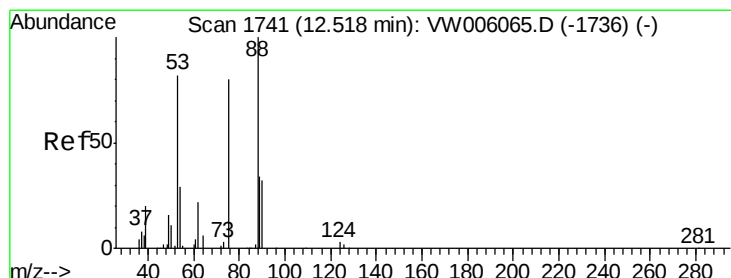
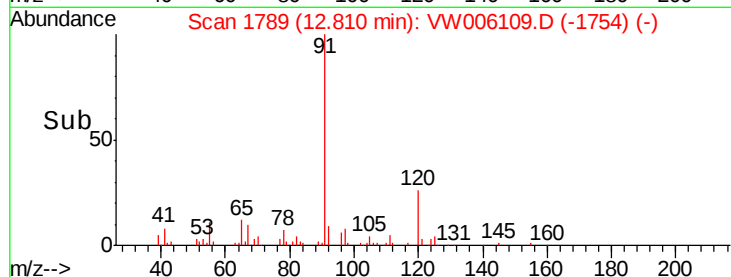
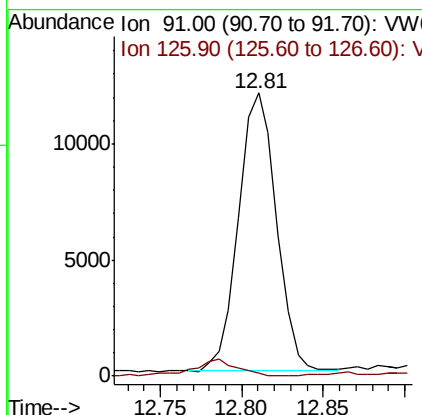
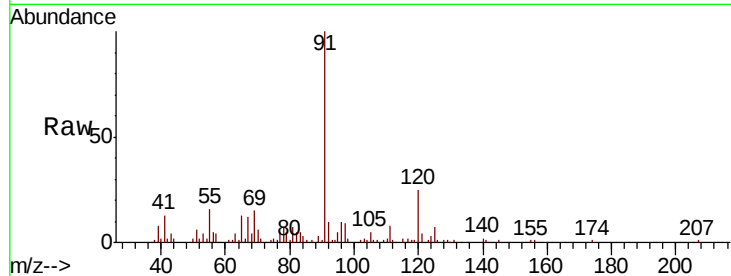




#79
 2-Chlorotoluene
 Concen: 2.341 ug/l
 RT: 12.81 min Scan# 1789
 Delta R.T. -0.09 min
 Lab File: VW006109.D
 Acq: 17 Oct 2018 06:30

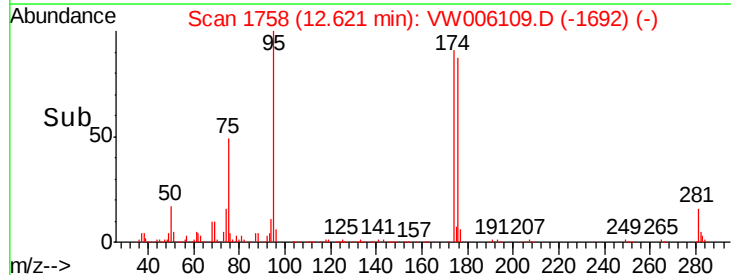
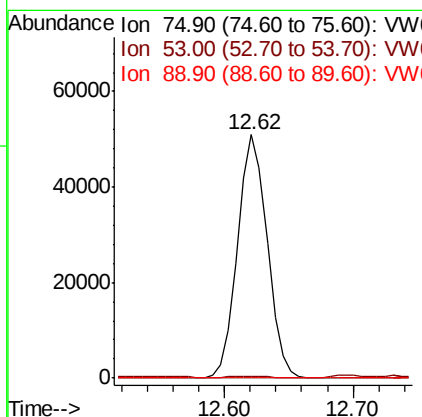
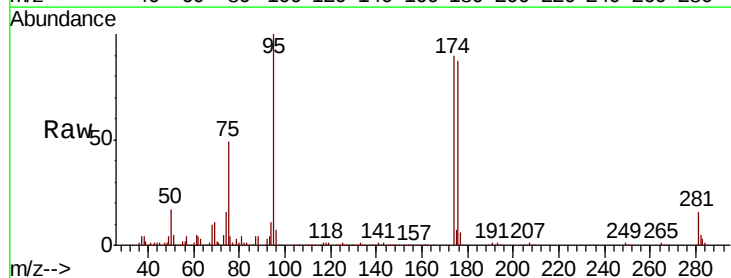
Instrument :
 MSVOA_W
 ClientSampled :
 SB12-6-8FT

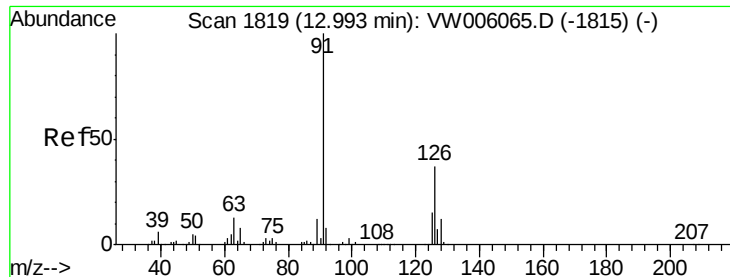
Tgt Ion: 91 Resp: 19334
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.9 53.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.127 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006109.D
 Acq: 17 Oct 2018 06:30

Tgt Ion: 75 Resp: 81229
 Ion Ratio Lower Upper
 75 100
 53 0.6 79.8 119.6#
 89 0.0 37.5 56.3#





#82

4-Chlorotoluene

Concen: 2.230 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.18 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

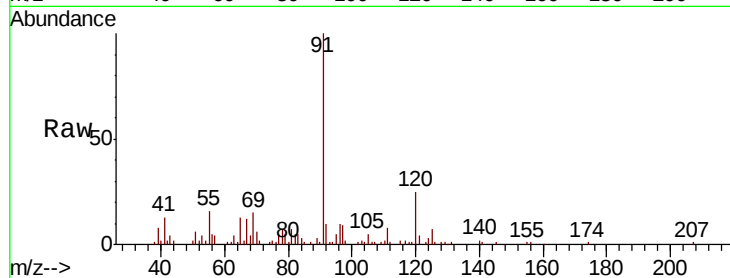
SB12-6-8FT

Tgt Ion: 91 Resp: 19299

Ion Ratio Lower Upper

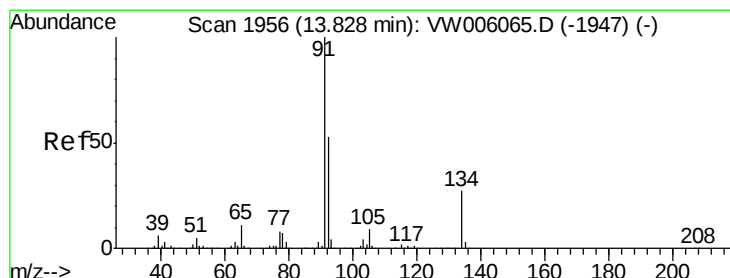
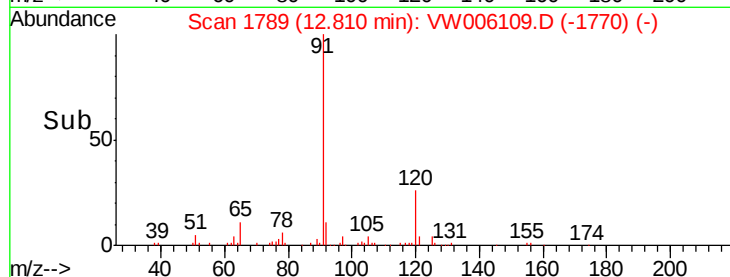
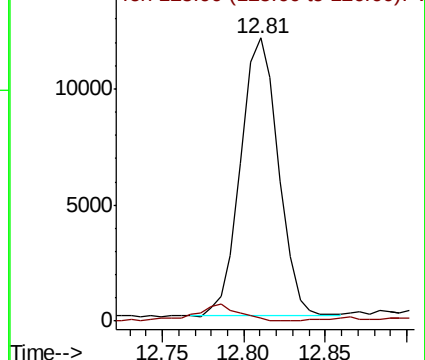
91 100

126 0.0 18.1 54.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#89

n-Butylbenzene

Concen: 1.200 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

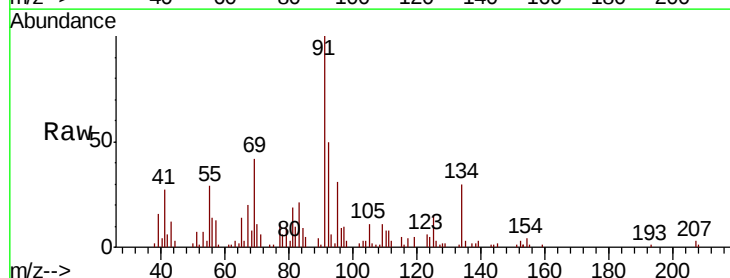
Tgt Ion: 91 Resp: 13362

Ion Ratio Lower Upper

91 100

92 50.5 26.6 79.7

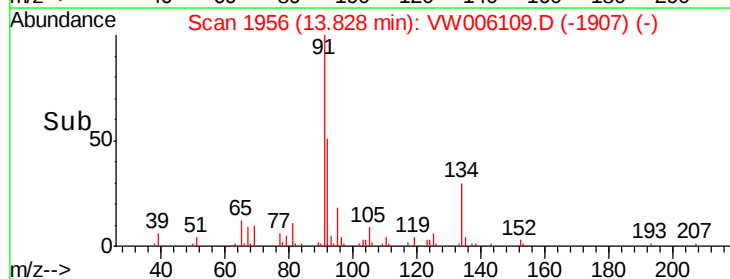
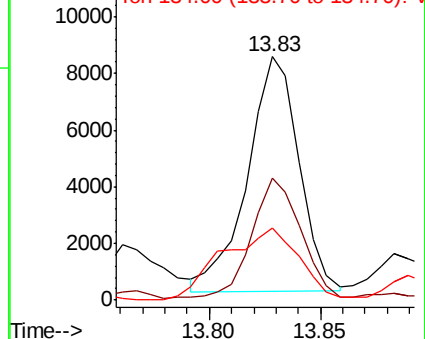
134 45.7 14.0 41.9#

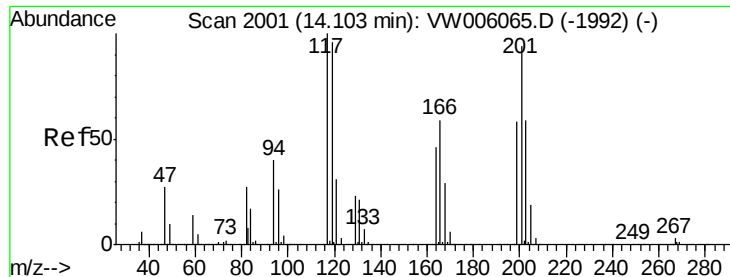


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.598 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

Instrument :

MSVOA_W

ClientSampleId :

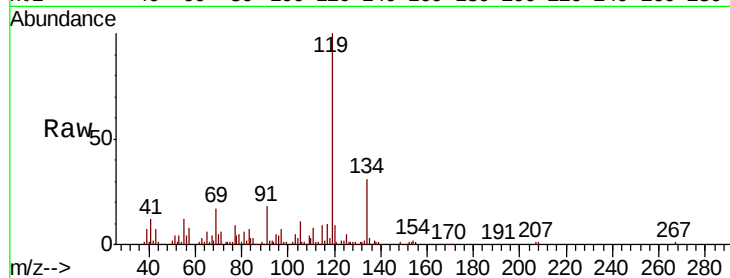
SB12-6-8FT

Tgt Ion: 117 Resp: 5360

Ion Ratio Lower Upper

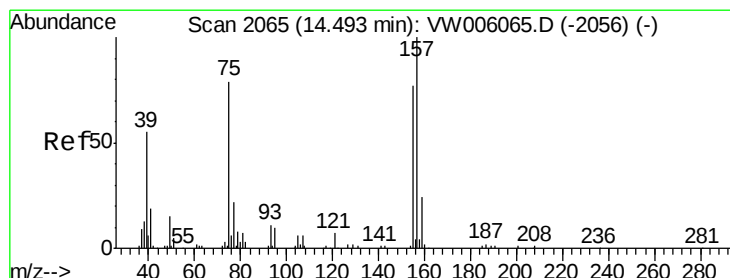
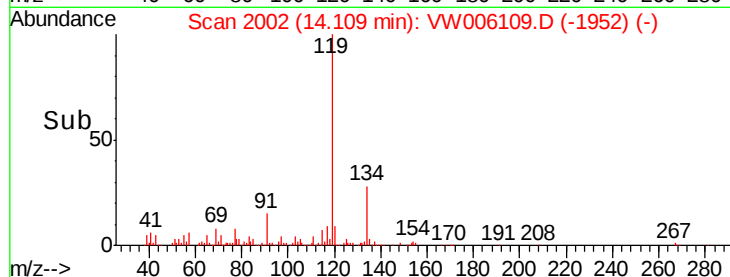
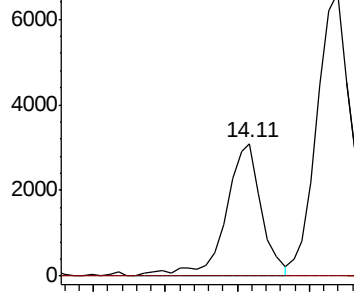
117 100

201 0.0 45.3 135.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.636 ug/l

RT: 14.34 min Scan# 2040

Delta R.T. -0.15 min

Lab File: VW006109.D

Acq: 17 Oct 2018 06:30

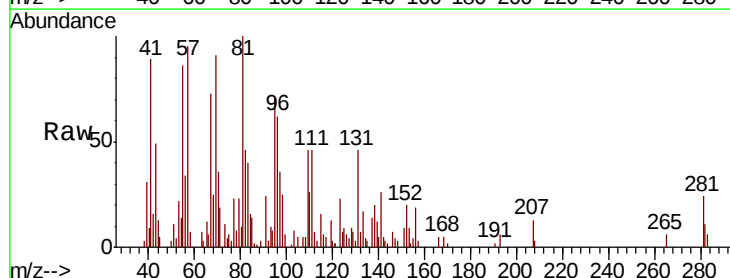
Tgt Ion: 75 Resp: 563

Ion Ratio Lower Upper

75 100

155 90.9 46.5 139.5

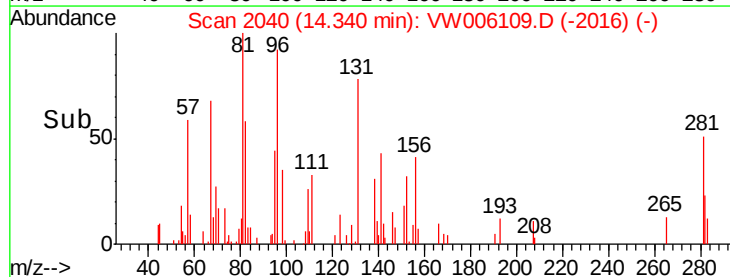
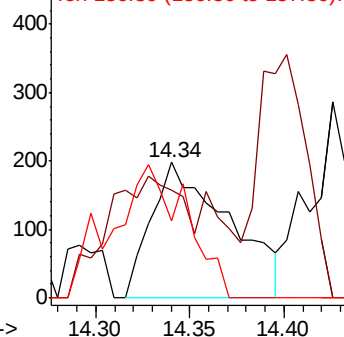
157 78.5 59.8 179.4

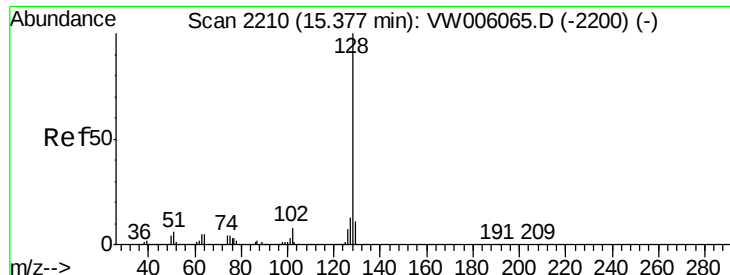


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 17.258 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006109.D
Acq: 17 Oct 2018 06:30

Instrument :
MSVOA_W
ClientSampleId :
SB12-6-8FT

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.8	8.7	13.1

