

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006105.D
 Acq On : 17 Oct 2018 04:47
 Operator : VA/AP
 Sample : J5539-02
 Misc : 7.56G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8-3-5FT

Quant Time: Oct 17 07:21:39 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	93512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	131045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	99188	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38747	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	34039	43.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.82%	
35) Dibromofluoromethane	7.89	113	31860	41.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.28%	
50) Toluene-d8	10.33	98	119026	40.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.80%	
62) 4-Bromofluorobenzene	12.62	95	35062	31.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.38%	

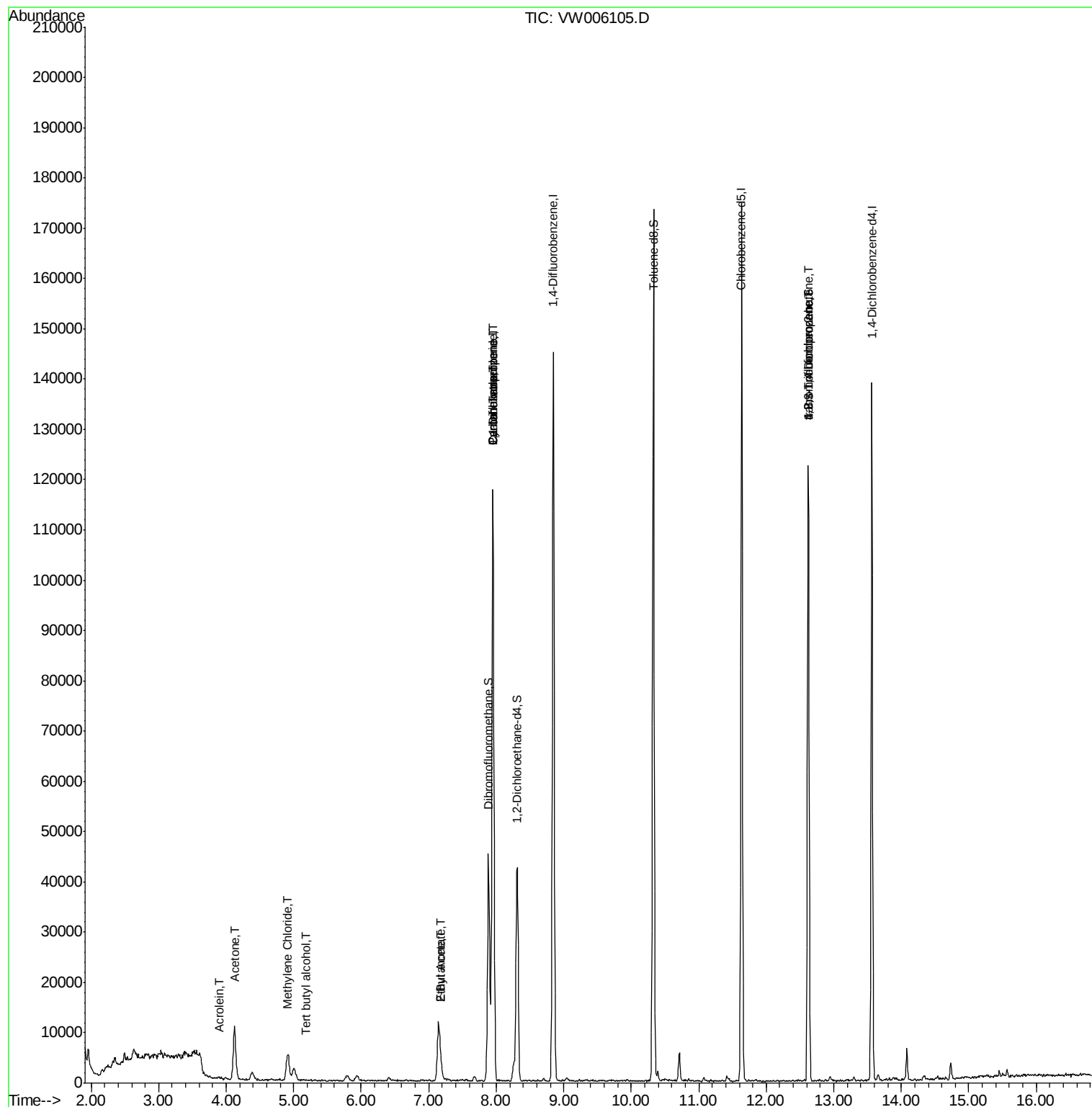
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	74	1.419	ug/l #	71
13) Acrolein	3.89	56	78	1.546	ug/l #	78
16) Acetone	4.12	43	17989	115.732	ug/l	96
20) Methylene Chloride	4.92	84	4187	3.593	ug/l	85
25) 2-Butanone	7.18	43	4320	20.627	ug/l	95
31) Cyclohexane	7.95	56	1780	1.255	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	6283	5.202	ug/l #	50
37) Ethyl Acetate	7.18	43	4320	9.626	ug/l #	67
38) Carbon Tetrachloride	7.95	117	8363	6.316	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	17960	60.686	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17960	145.063	ug/l #	10

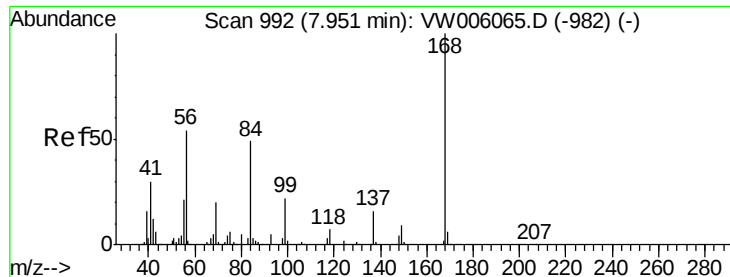
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 17 07:21:39 2018
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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: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

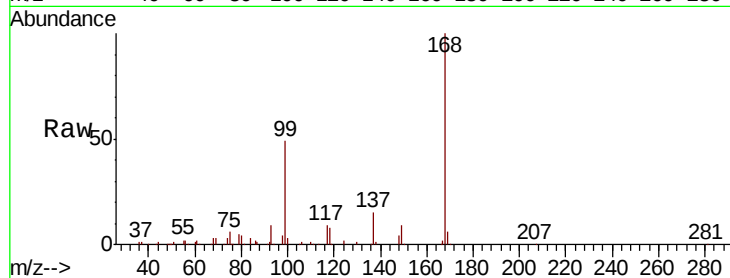
SB-8-3-5FT

Tgt Ion:168 Resp: 93512

Ion Ratio Lower Upper

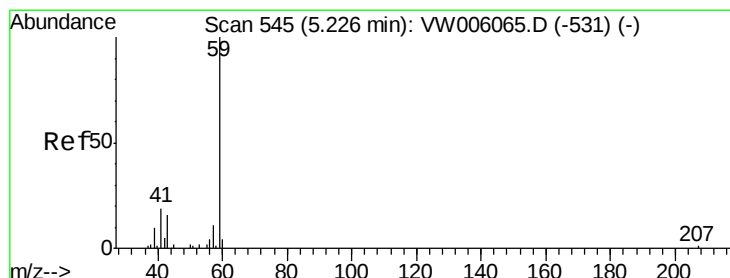
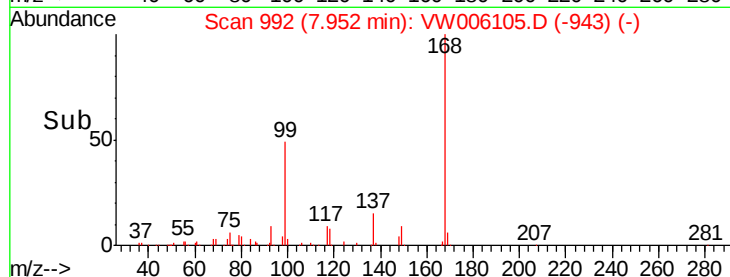
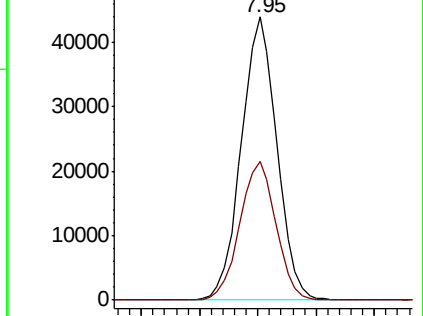
168 100

99 49.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.419 ug/l

RT: 5.18 min Scan# 538

Delta R.T. -0.04 min

Lab File: VW006105.D

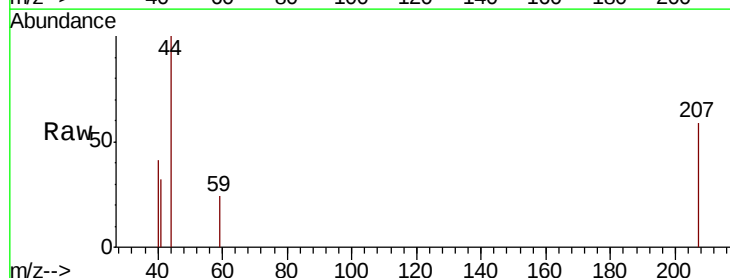
Acq: 17 Oct 2018 04:47

Tgt Ion: 59 Resp: 74

Ion Ratio Lower Upper

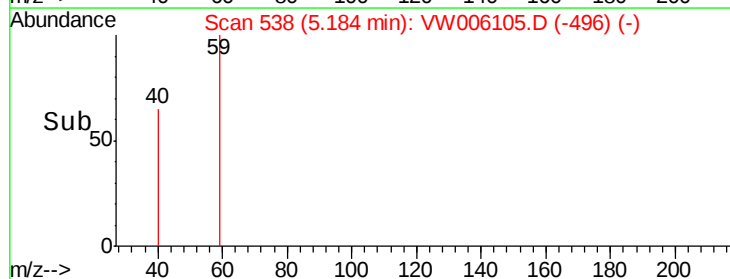
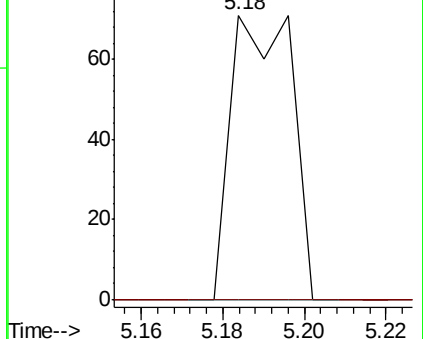
59 100

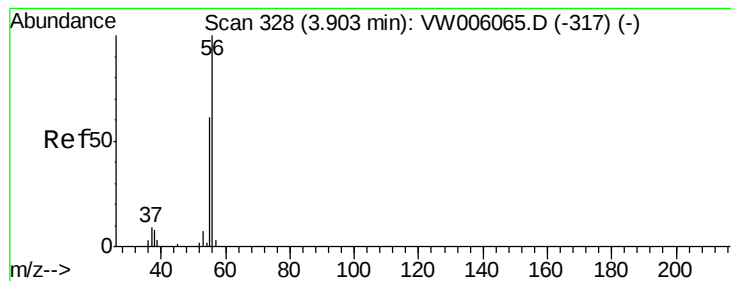
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.546 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampled :

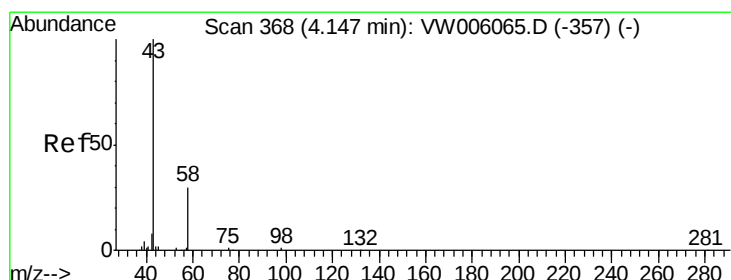
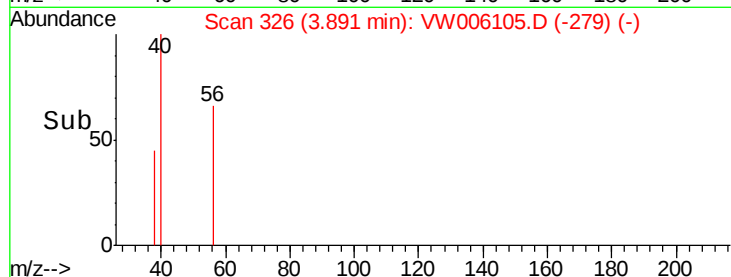
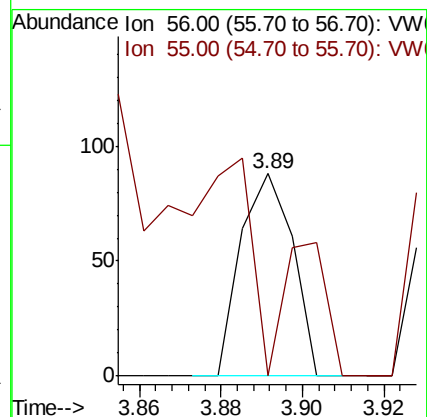
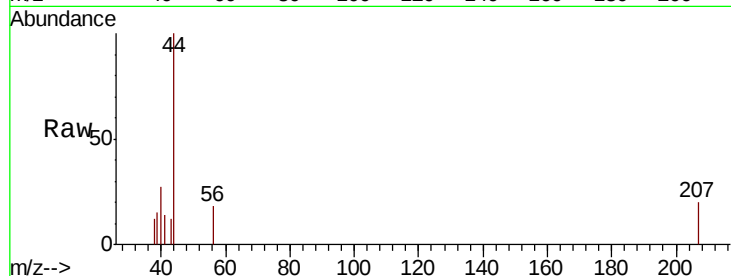
SB-8-3-5FT

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 85.9 54.5 81.7#



#16

Acetone

Concen: 115.732 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW006105.D

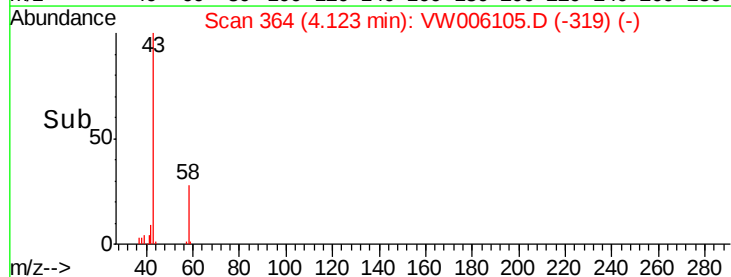
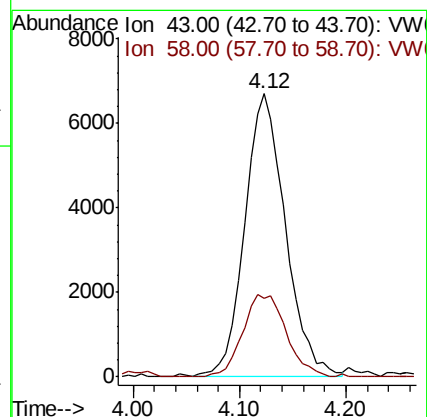
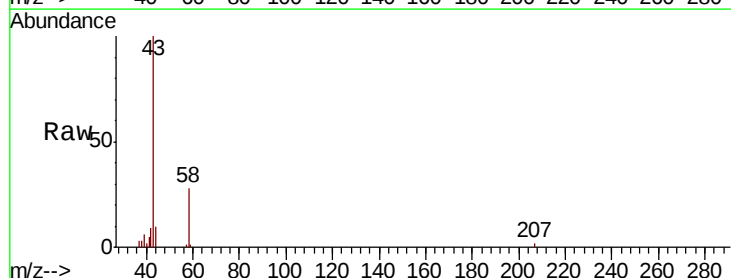
Acq: 17 Oct 2018 04:47

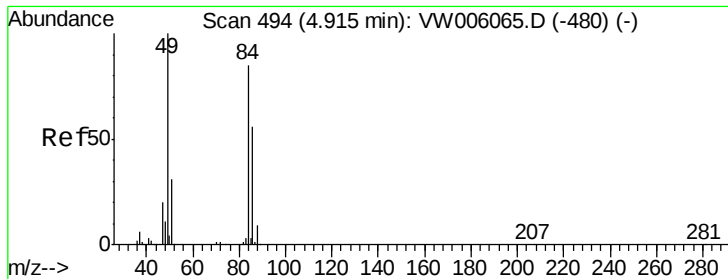
Tgt Ion: 43 Resp: 17989

Ion Ratio Lower Upper

43 100

58 27.9 24.0 36.0





#20

Methylene Chloride

Concen: 3.593 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

SB-8-3-5FT

Tgt Ion: 84 Resp: 4187

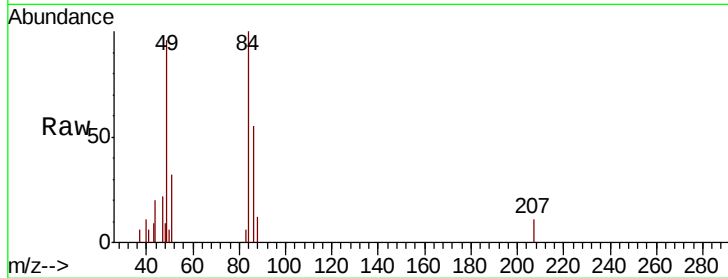
Ion Ratio Lower Upper

84 100

49 96.4 93.6 140.4

51 32.2 29.0 43.4

86 55.0 52.6 79.0



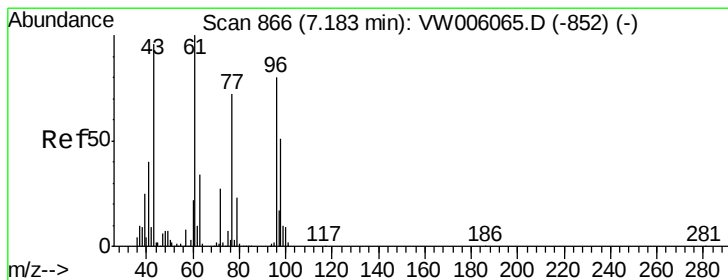
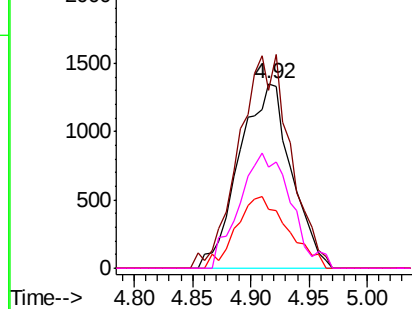
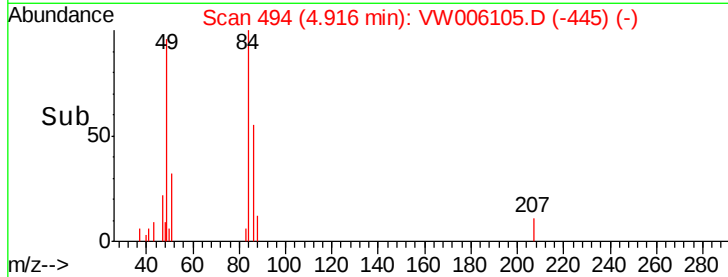
Abundance

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



#25

2-Butanone

Concen: 20.627 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006105.D

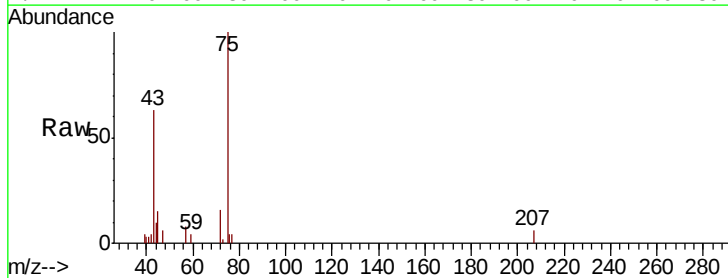
Acq: 17 Oct 2018 04:47

Tgt Ion: 43 Resp: 4320

Ion Ratio Lower Upper

43 100

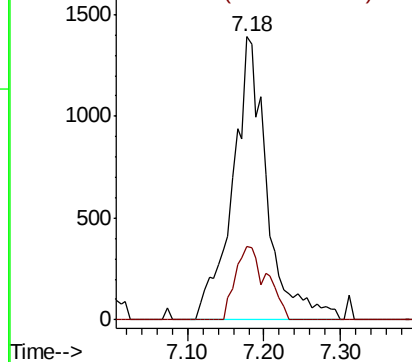
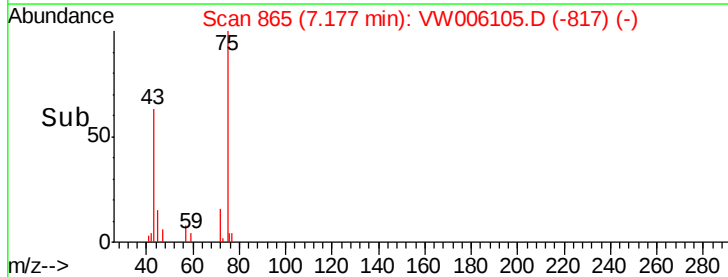
72 26.0 22.8 34.2

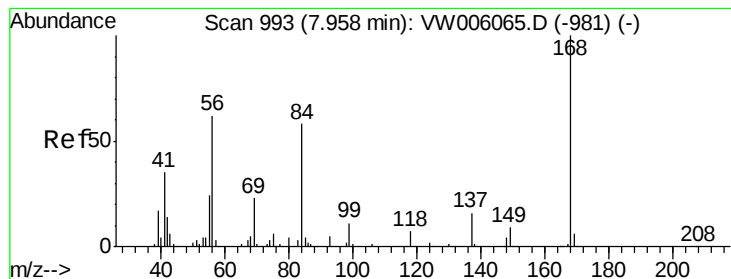


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.255 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

SB-8-3-5FT

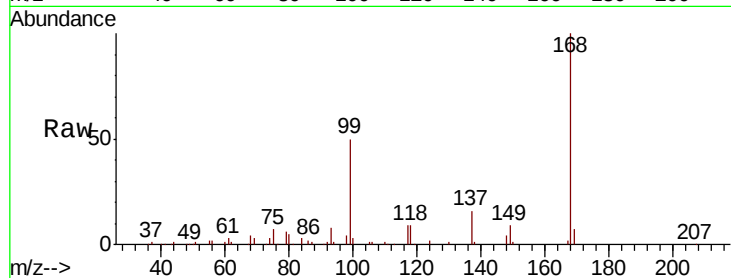
Tgt Ion: 56 Resp: 1780

Ion Ratio Lower Upper

56 100

69 130.4 29.4 44.0#

84 111.6 74.0 111.0#

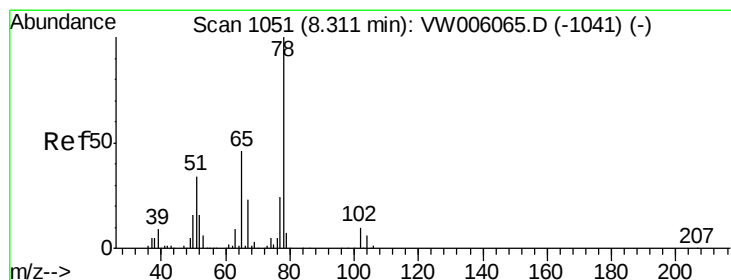
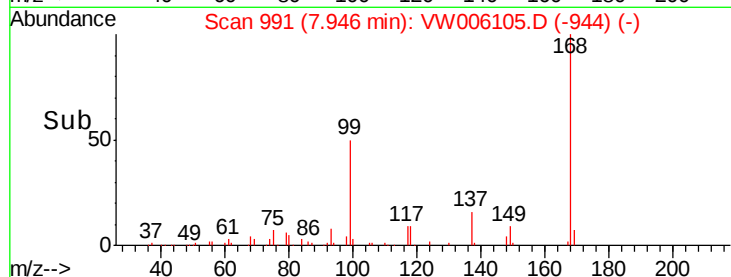
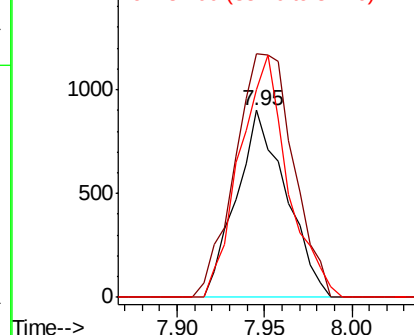


Abundance

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: 43.906 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006105.D

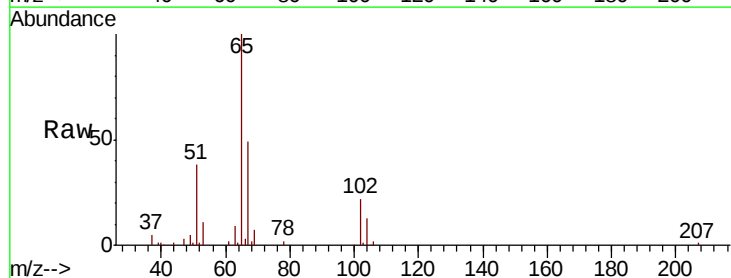
Acq: 17 Oct 2018 04:47

Tgt Ion: 65 Resp: 34039

Ion Ratio Lower Upper

65 100

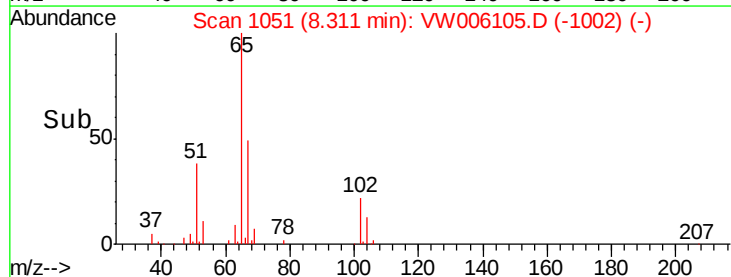
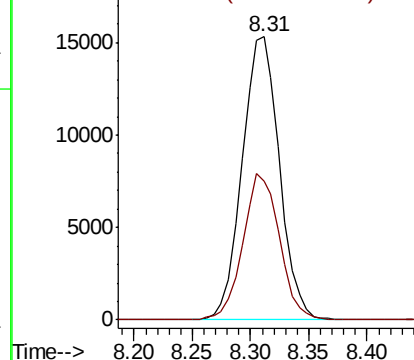
67 50.6 0.0 101.0

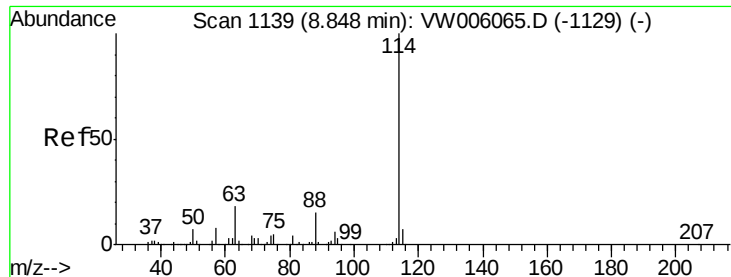


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

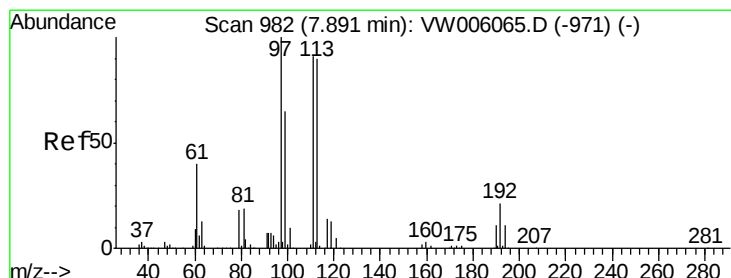
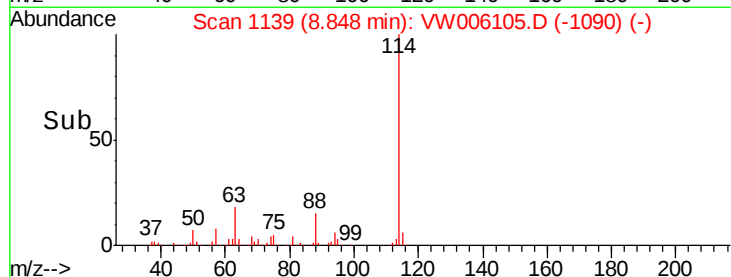
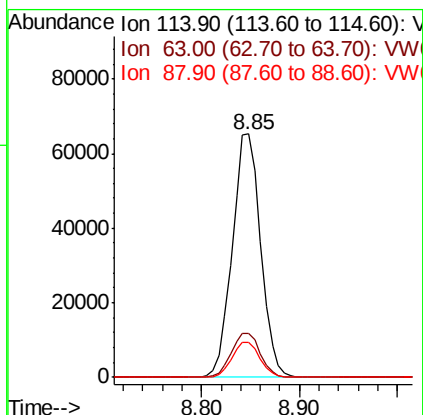
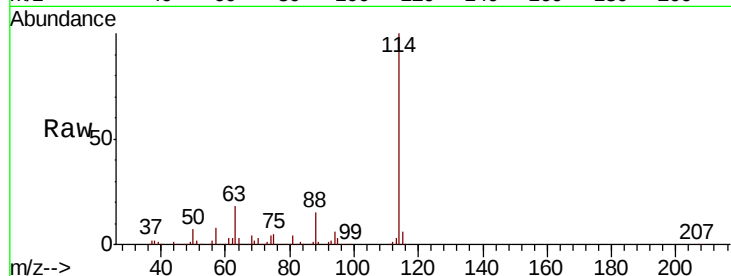




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006105.D
 Acq: 17 Oct 2018 04:47

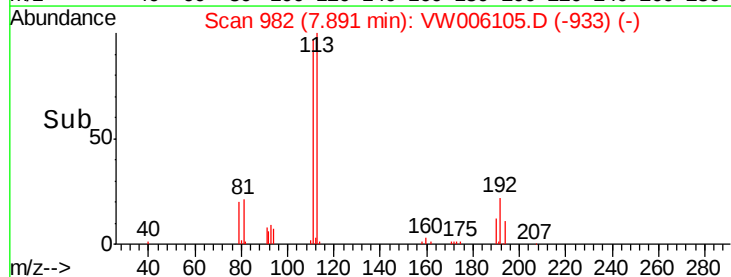
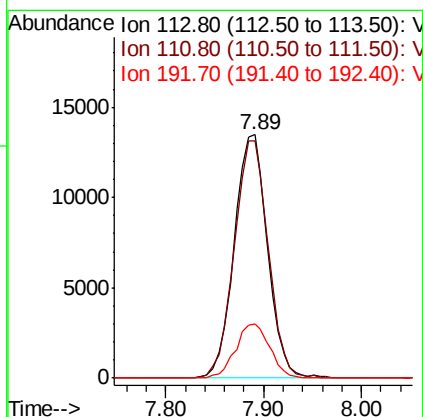
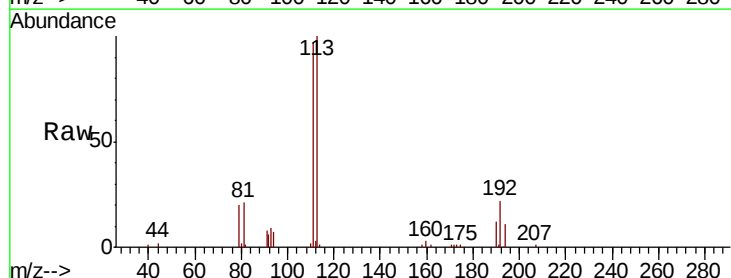
Instrument :
 MSVOA_W
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 SB-8-3-5FT

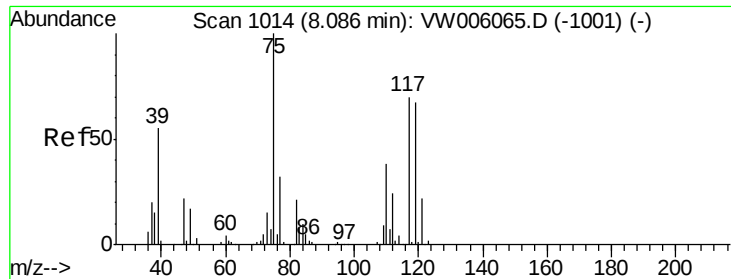
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	36.8
88	14.5	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 41.145 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006105.D
 Acq: 17 Oct 2018 04:47

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.1	81.4	122.0
192	22.7	18.7	28.1

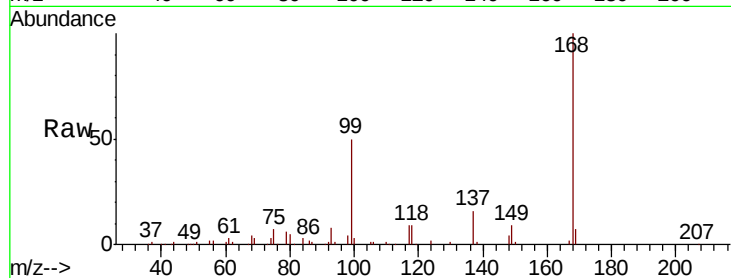




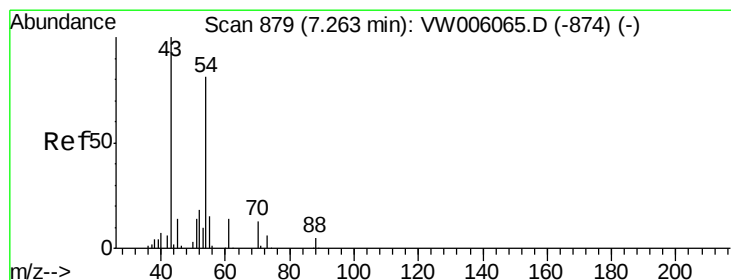
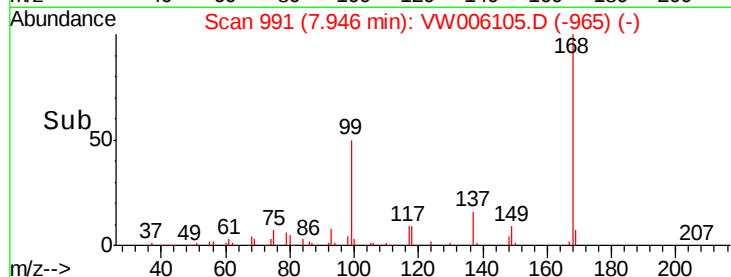
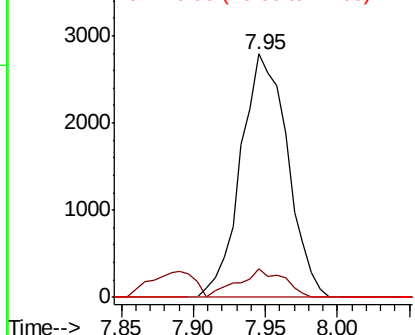
#36
 1,1-Dichloropropene
 Concen: 5.202 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006105.D
 Acq: 17 Oct 2018 04:47

Instrument :
 MSVOA_W
 ClientSampled :
 SB-8-3-5FT

Tgt Ion: 75 Resp: 6283
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.1 57.1#
 77 0.0 25.0 37.4#

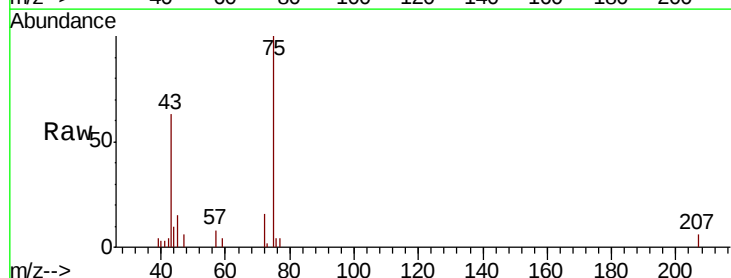


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

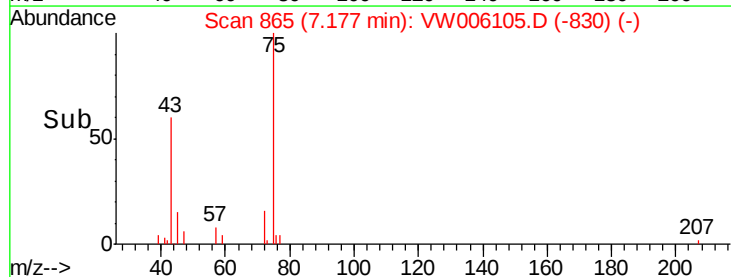
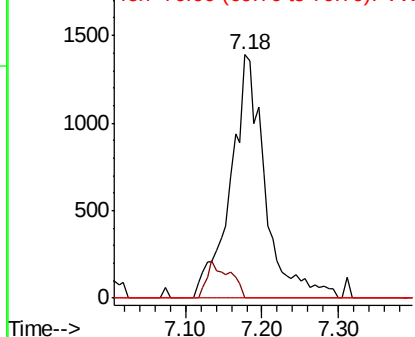


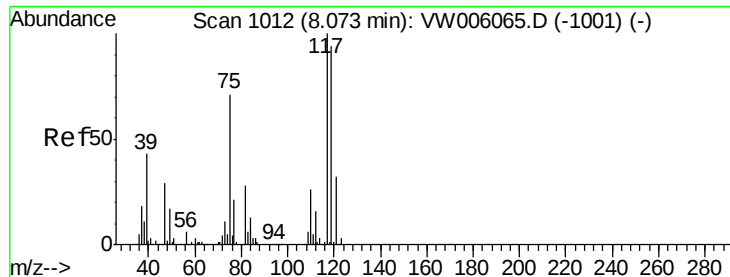
#37
 Ethyl Acetate
 Concen: 9.626 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VW006105.D
 Acq: 17 Oct 2018 04:47

Tgt Ion: 43 Resp: 4320
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.316 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampled :

SB-8-3-5FT

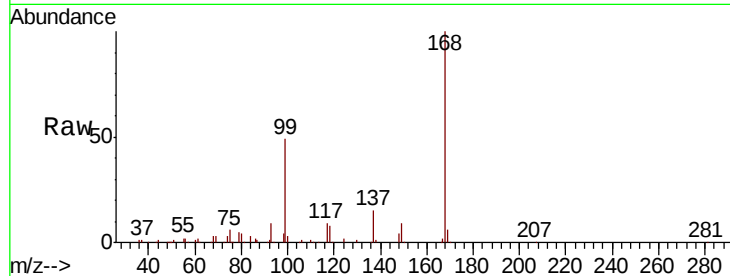
Tgt Ion:117 Resp: 8363

Ion Ratio Lower Upper

117 100

119 5.3 75.2 112.8#

121 0.0 25.3 37.9#

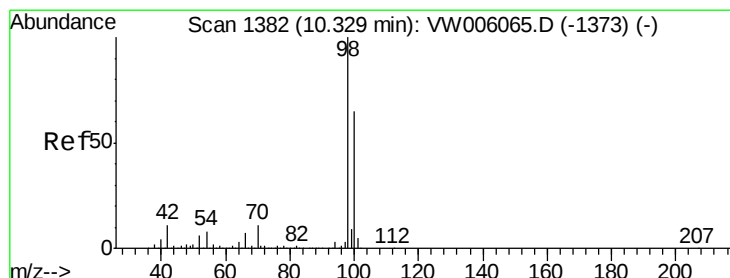
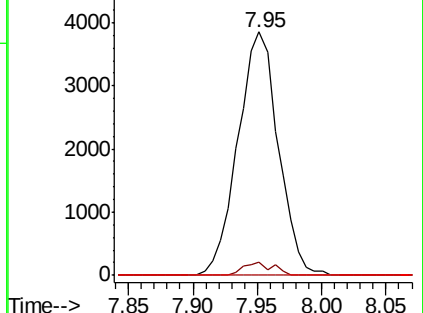
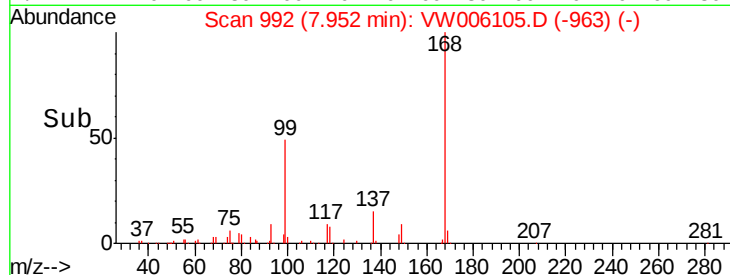


Abundance

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



#50

Toluene-d8

Concen: 40.403 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006105.D

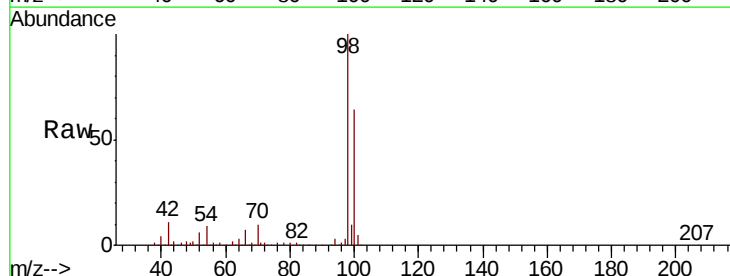
Acq: 17 Oct 2018 04:47

Tgt Ion: 98 Resp: 119026

Ion Ratio Lower Upper

98 100

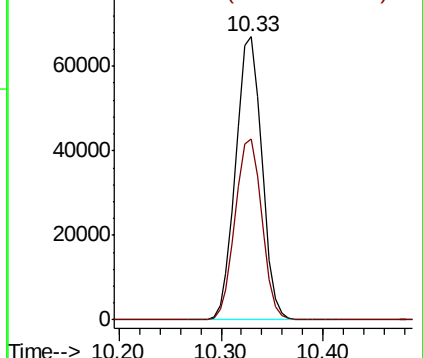
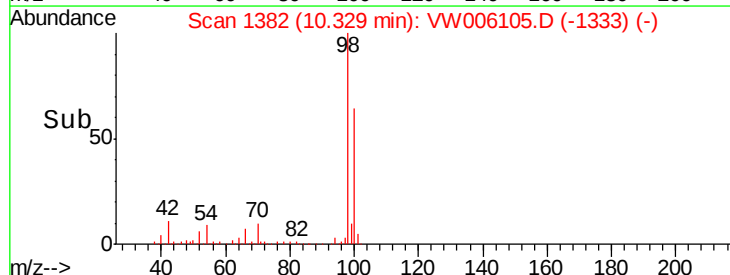
100 65.3 51.6 77.4

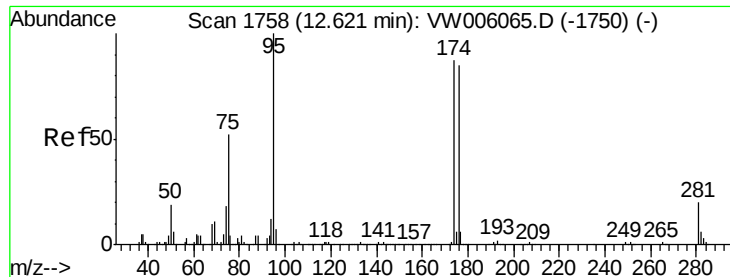


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 31.688 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

SB-8-3-5FT

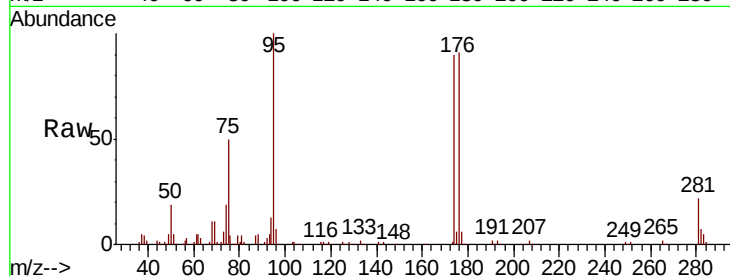
Tgt Ion: 95 Resp: 35062

Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.0

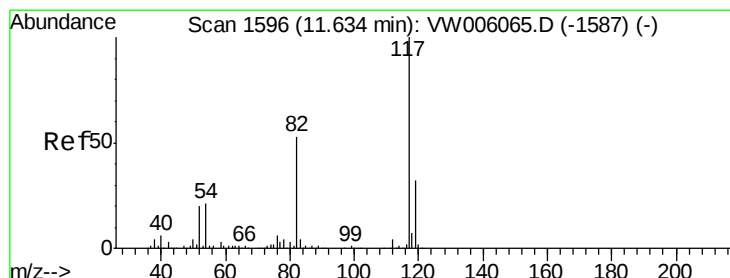
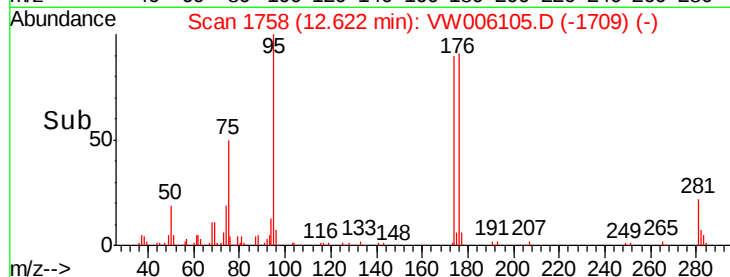
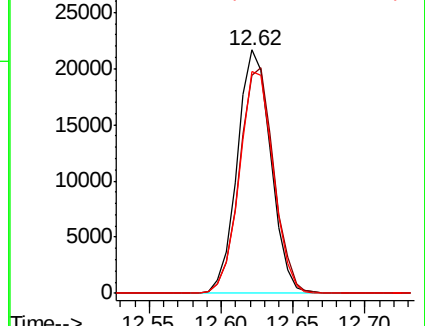
176 92.0 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

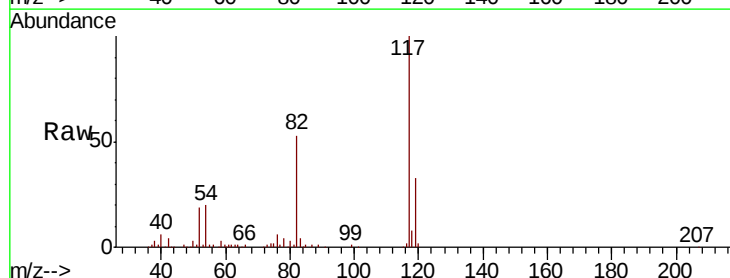
Tgt Ion: 117 Resp: 99188

Ion Ratio Lower Upper

117 100

82 53.0 42.1 63.1

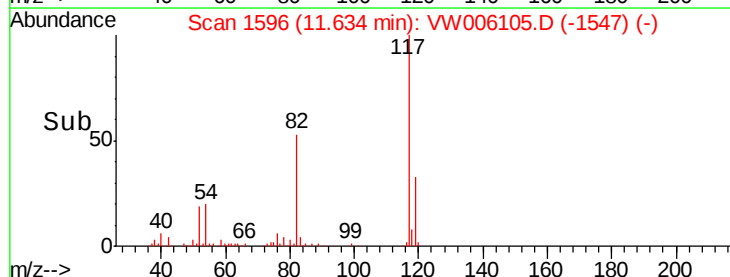
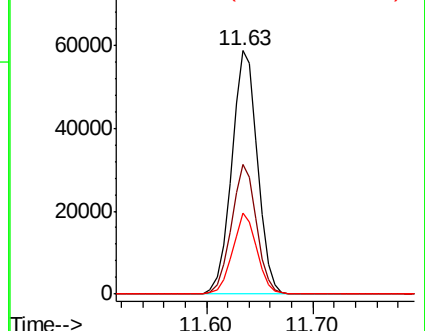
119 33.1 25.8 38.6

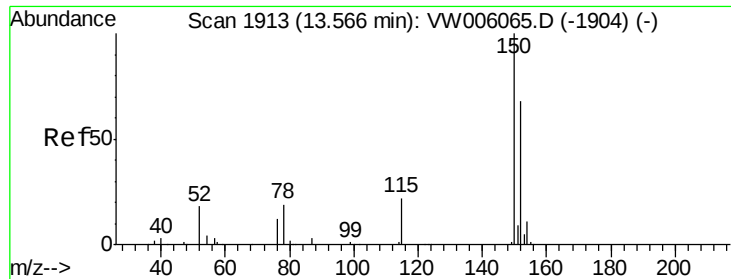


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

SB-8-3-5FT

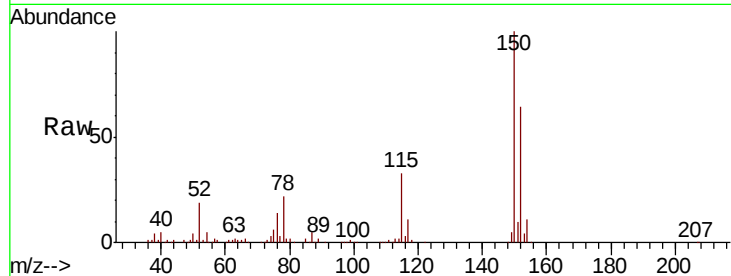
Tgt Ion:152 Resp: 38747

Ion Ratio Lower Upper

152 100

115 54.4 27.8 83.3

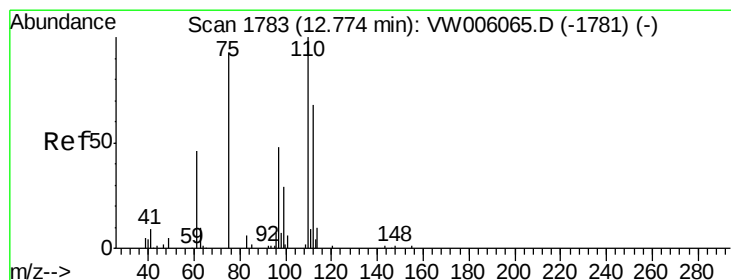
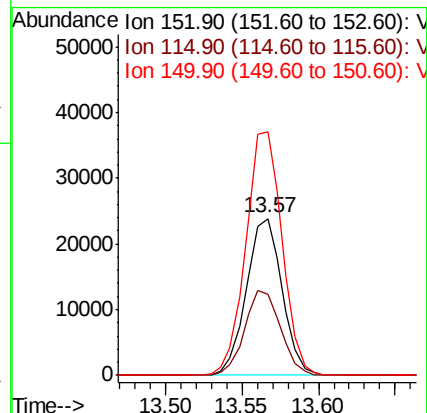
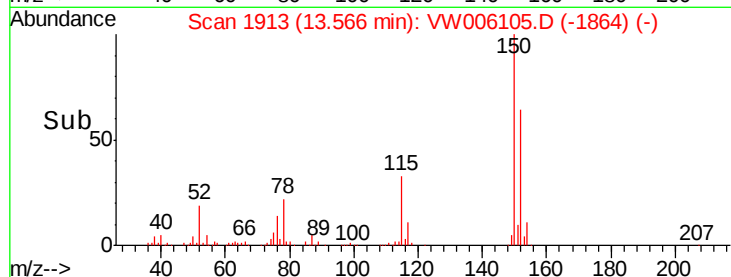
150 157.6 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 60.686 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006105.D

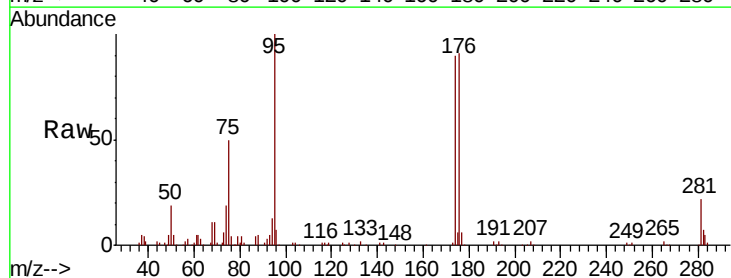
Acq: 17 Oct 2018 04:47

Tgt Ion: 75 Resp: 17960

Ion Ratio Lower Upper

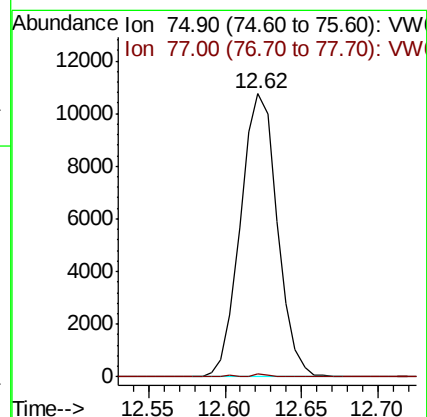
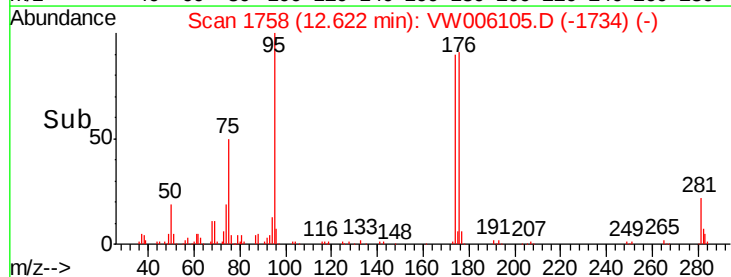
75 100

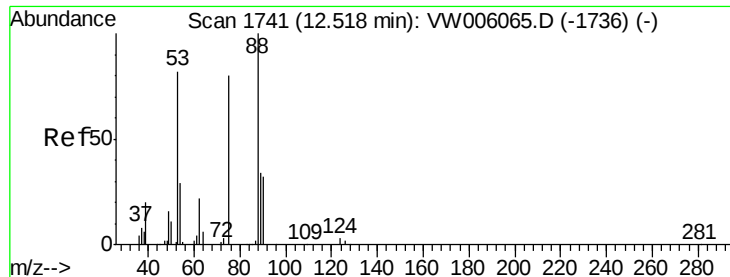
77 0.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 145.063 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006105.D

Acq: 17 Oct 2018 04:47

Instrument :

MSVOA_W

ClientSampleId :

SB-8-3-5FT

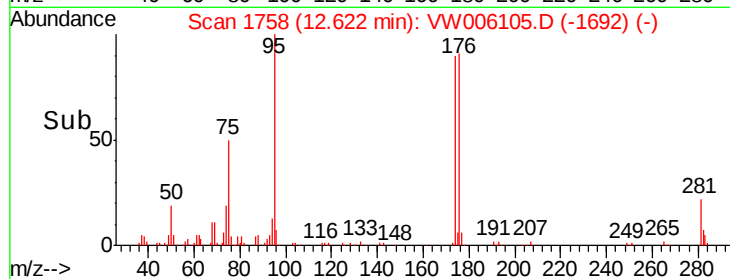
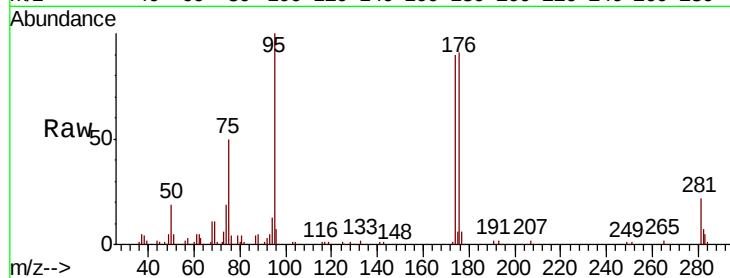
Tgt Ion: 75 Resp: 17960

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

