

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006349.D
 Acq On : 25 Oct 2018 06:39
 Operator : SY/AP
 Sample : J5626-01RE
 Misc : 2.90G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BRE

Quant Time: Oct 25 07:48:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	211230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54923	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	117505	64.19	ug/l	0.00
Spiked Amount			Recovery	=	128.38%	
35) Dibromofluoromethane	7.88	113	106346	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
50) Toluene-d8	10.33	98	296618	38.11	ug/l	0.00
Spiked Amount			Recovery	=	76.22%	
62) 4-Bromofluorobenzene	12.62	95	67604	23.13	ug/l	0.00
Spiked Amount			Recovery	=	46.26%	

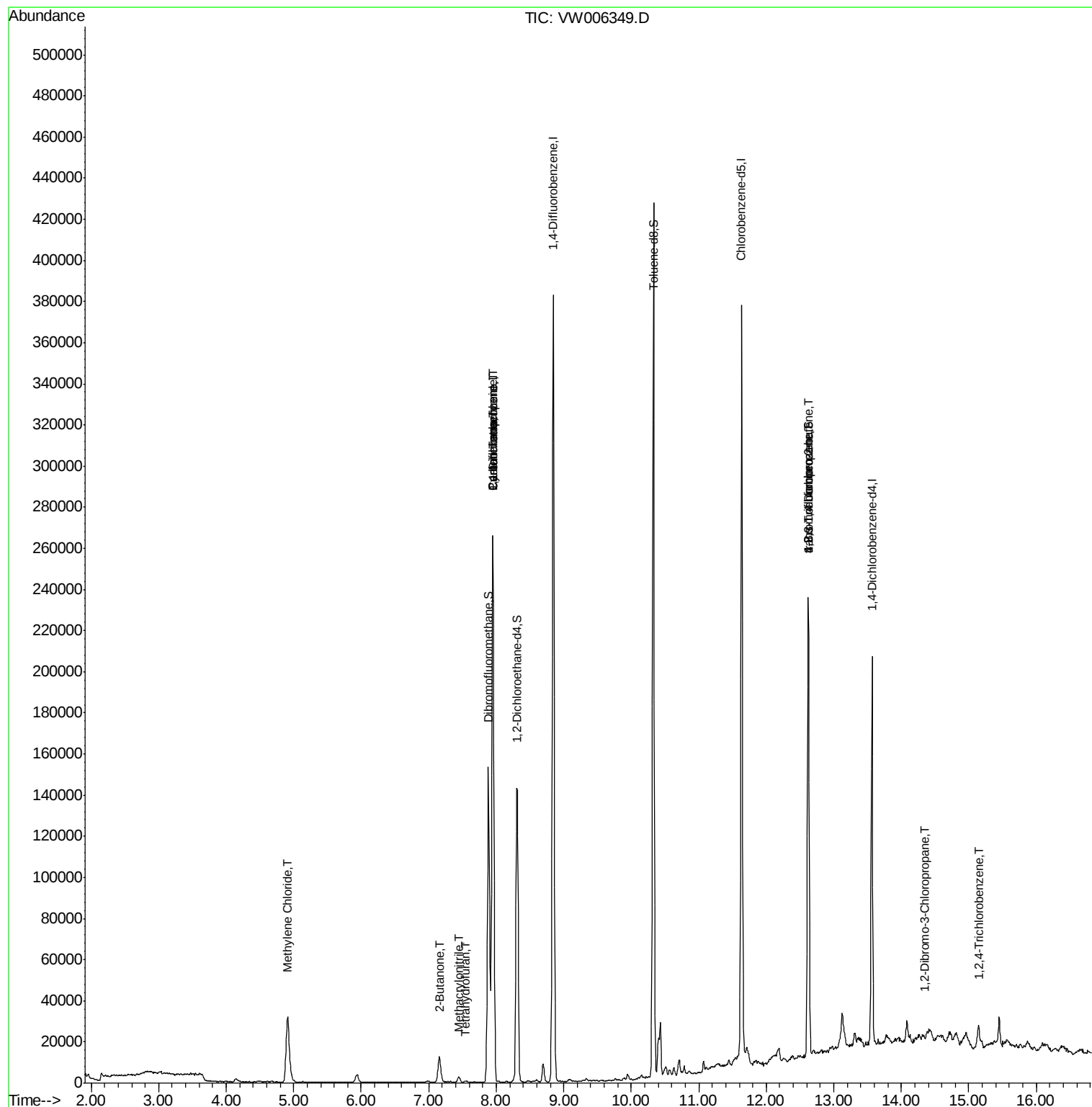
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	2814	Below Cal		98
20) Methylene Chloride	4.91	84	28354	13.449	ug/l	96
25) 2-Butanone	7.15	43	655	1.325	ug/l #	46
29) Tetrahydrofuran	7.54	42	443	1.457	ug/l #	34
31) Cyclohexane	7.95	56	4089	1.221	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	14143	4.432	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19431	5.555	ug/l #	17
41) Methacrylonitrile	7.44	41	830	1.161	ug/l #	33
76) 1,2,3-Trichloropropane	12.62	75	33128	78.970	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	33128	188.768	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.35	75	143	1.353	ug/l #	33
93) 1,2,4-Trichlorobenzene	15.14	180	2688	2.071	ug/l #	91

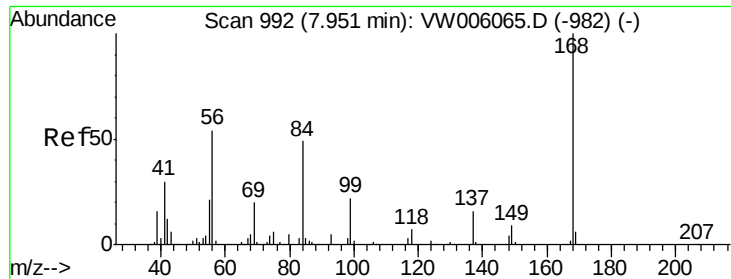
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

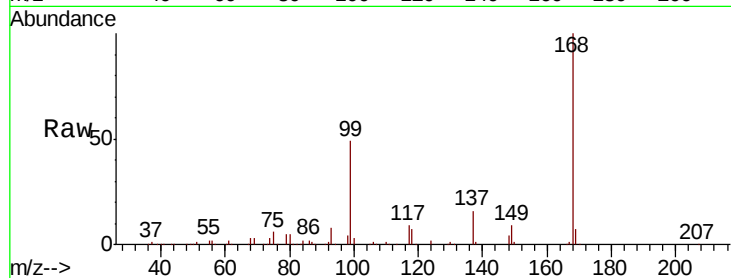
PA-SB-01BRE

Tot Ion:168 Resp: 220792

Ion Ratio Lower Upper

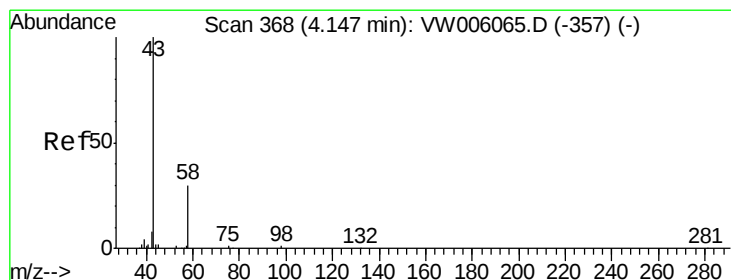
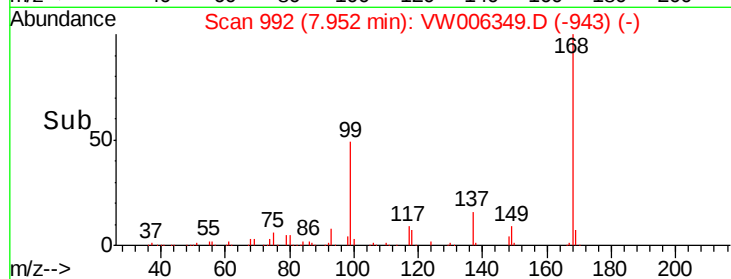
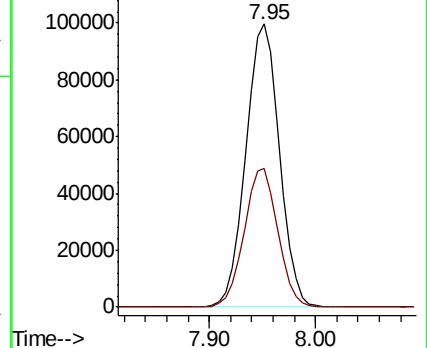
168 100

99 49.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006349.D

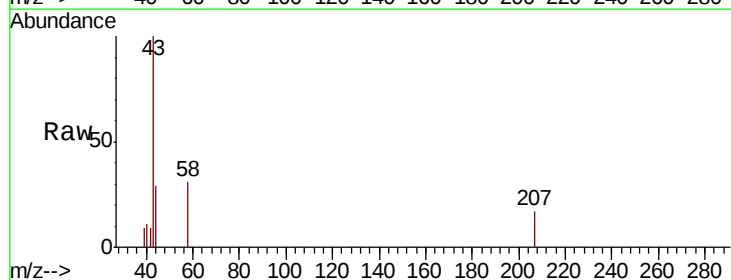
Acq: 25 Oct 2018 06:39

Tgt Ion: 43 Resp: 2814

Ion Ratio Lower Upper

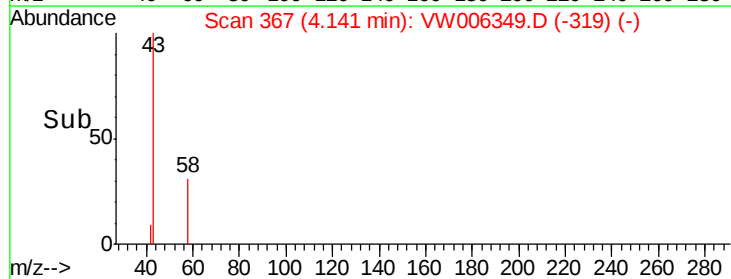
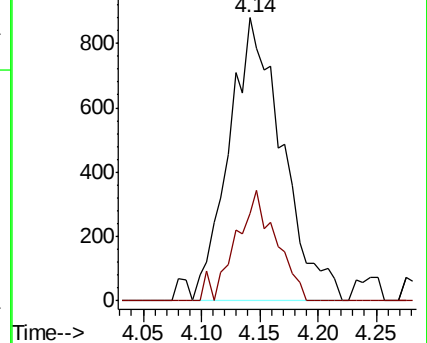
43 100

58 31.2 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

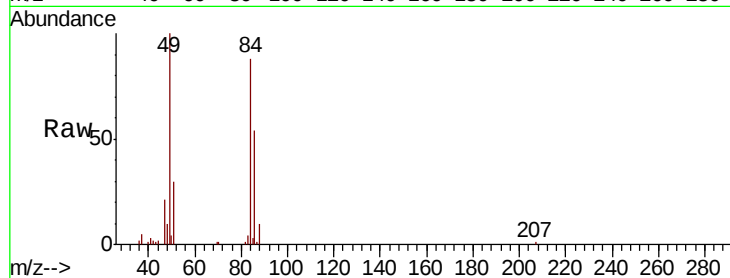




#20
Methvlene Chloride
Concen: 13.449 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BRE

Tot Ion:	84	Resp:	28354
Ion	Ratio	Lower	Upper
84	100		
49	113.8	93.6	140.4
51	34.5	29.0	43.4
86	61.3	52.6	79.0



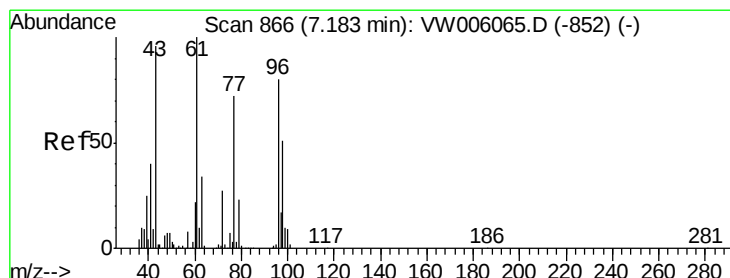
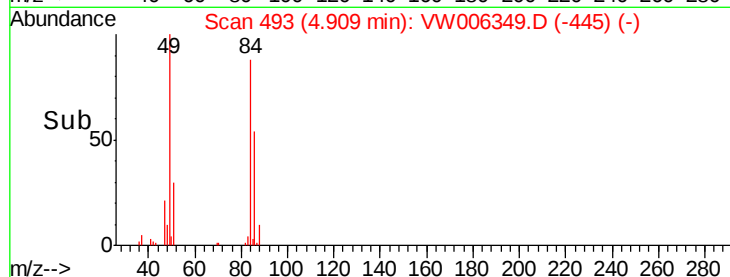
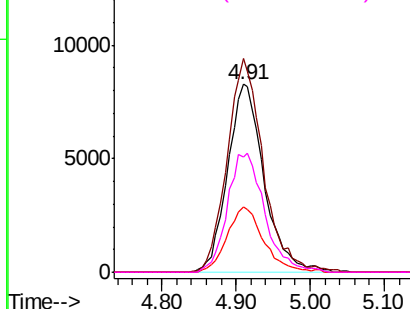
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

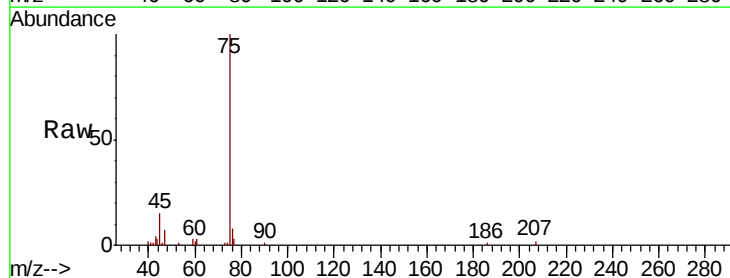
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25
2-Butanone
Concen: 1.325 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

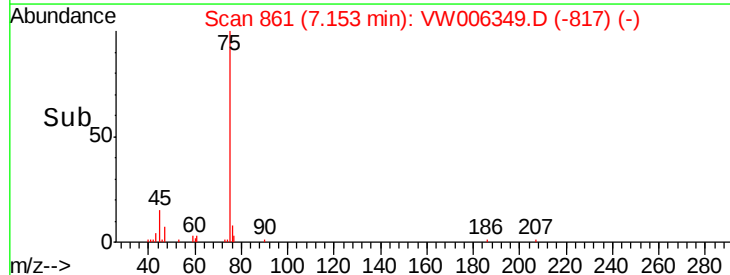
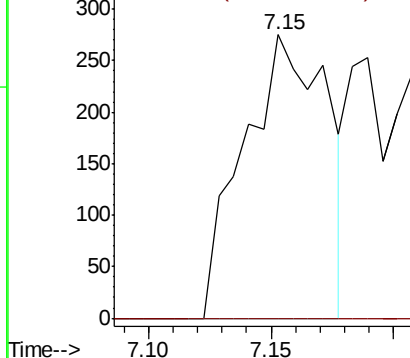
Tgt Ion:	43	Resp:	655
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.8	34.2#

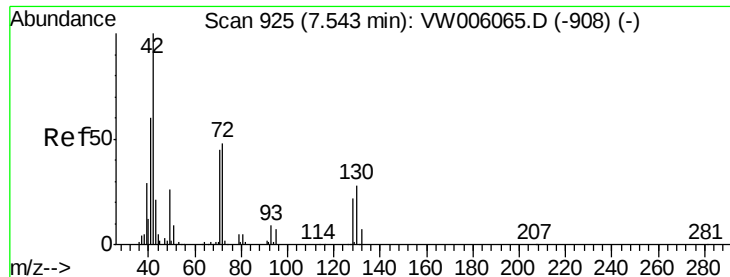


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

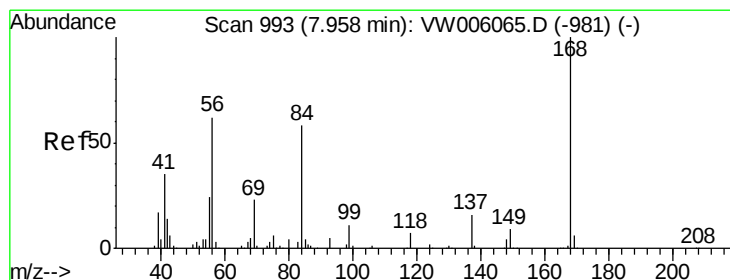
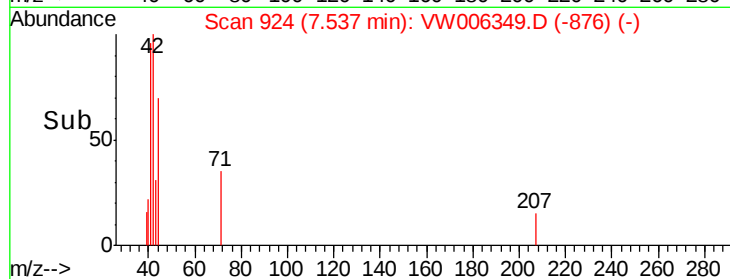
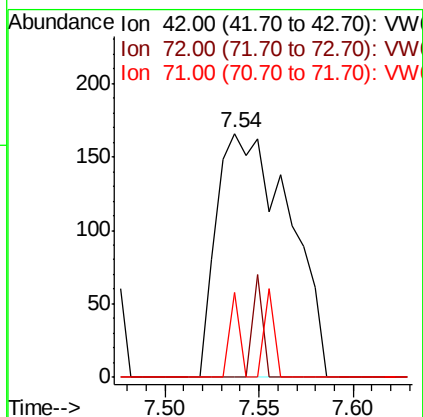
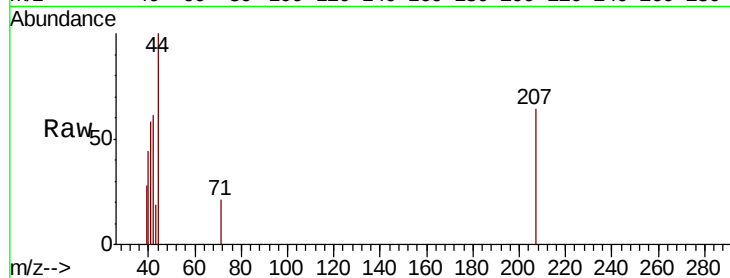




#29
Tetrahydrofuran
Concen: 1.457 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

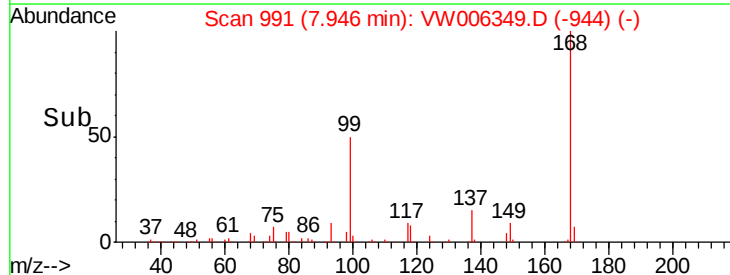
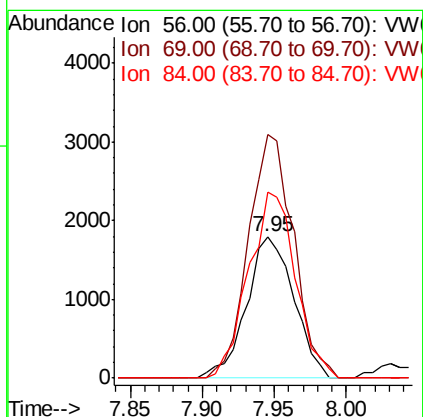
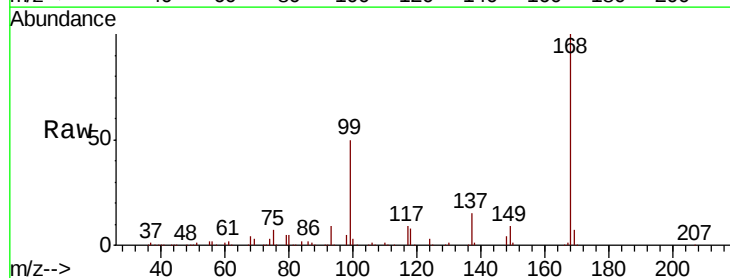
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BRE

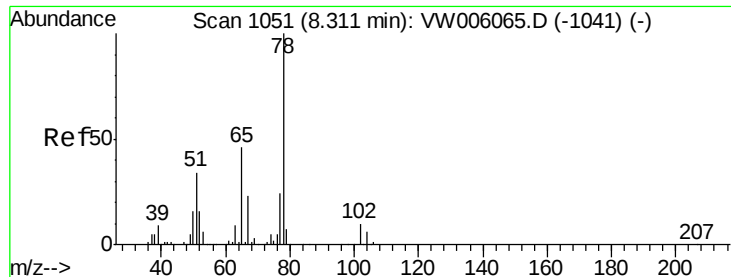
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.0	57.0#
71	4.7	35.3	52.9#



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	172.4	29.4	44.0#
84	131.7	74.0	111.0#





#33

1,2-Dichloroethane-d4

Concen: 64.193 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

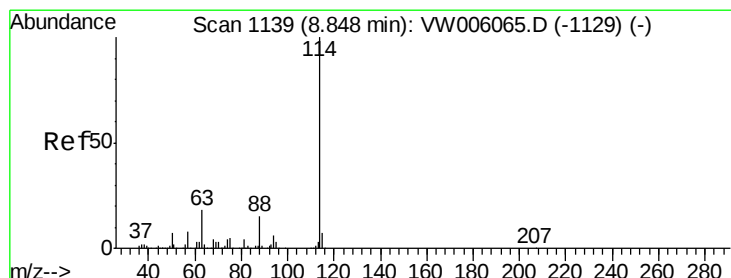
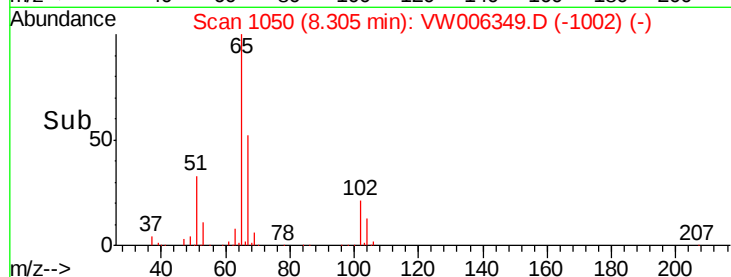
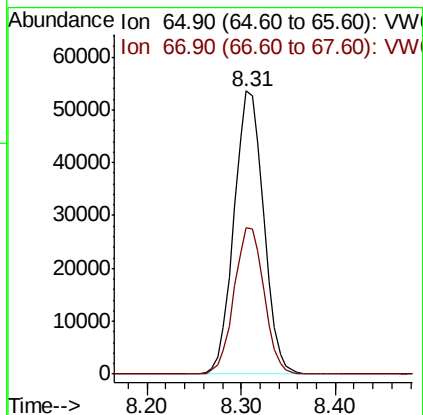
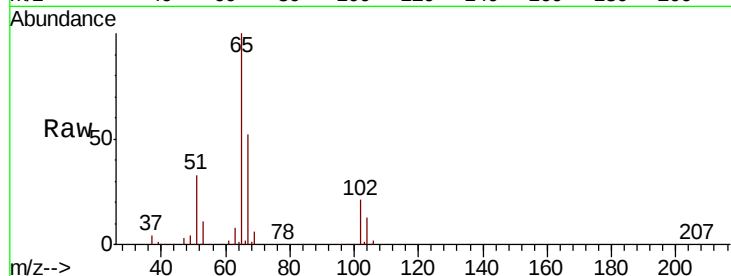
PA-SB-01BRE

Tot Ion: 65 Resp: 117505

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

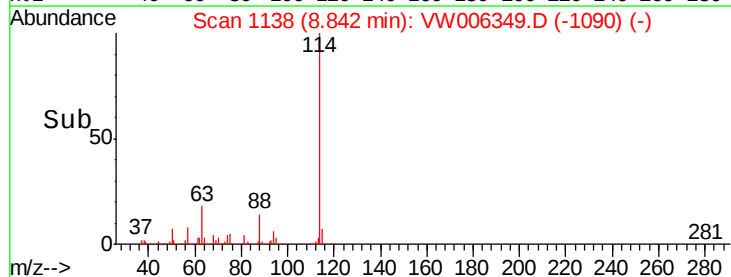
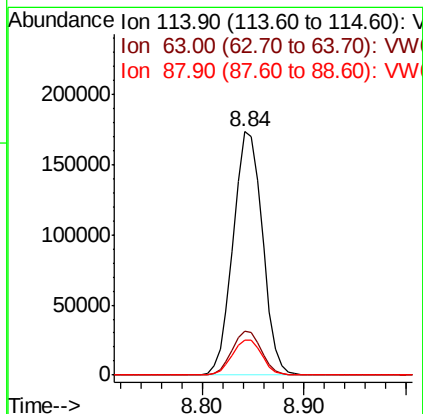
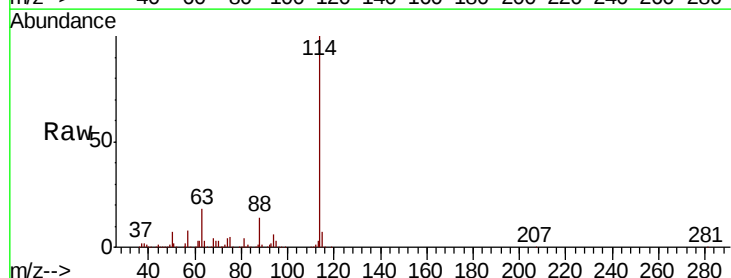
Tgt Ion: 114 Resp: 346182

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.8

88 14.3 0.0 29.0

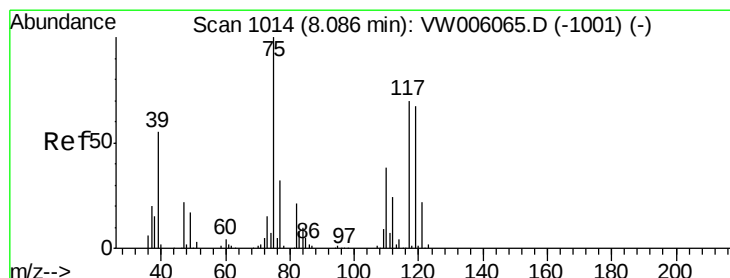
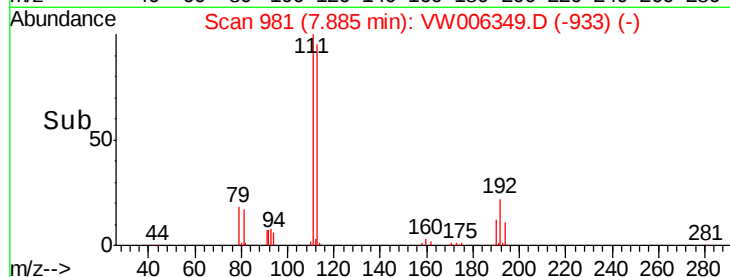
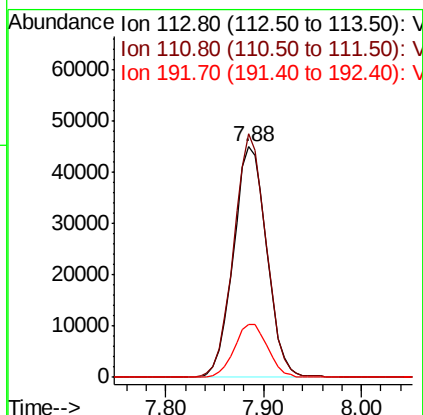
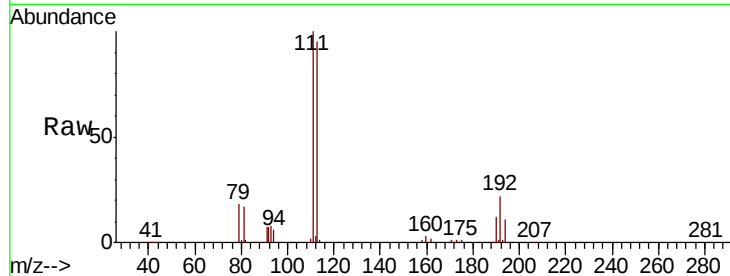




#35
 Dibromofluoromethane
 Concen: 51.988 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006349.D
 Acq: 25 Oct 2018 06:39

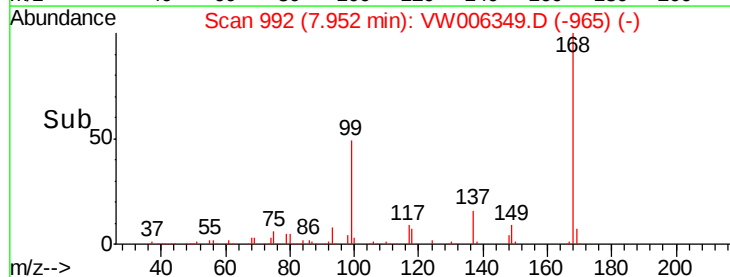
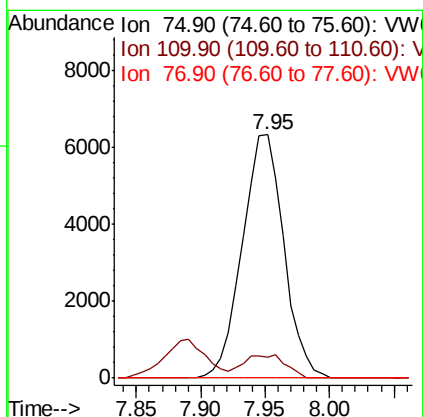
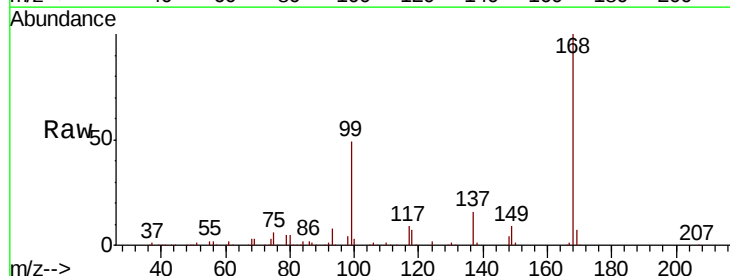
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BRE

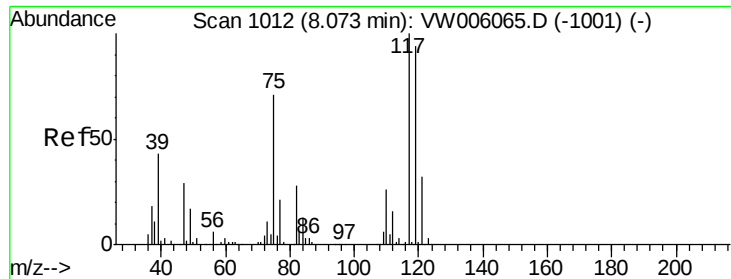
Tot Ion:113 Resp: 106346
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 23.1 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.432 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006349.D
 Acq: 25 Oct 2018 06:39

Tgt Ion: 75 Resp: 14143
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BRE

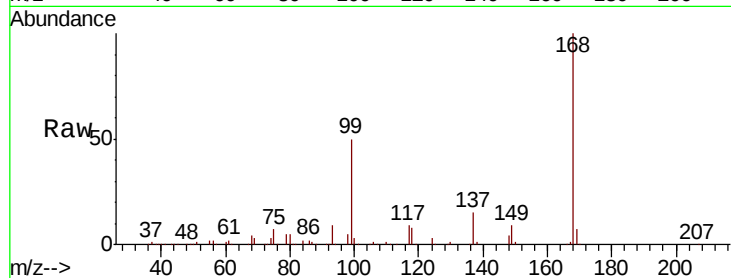
Tot Ion:117 Resp: 19431

Ion Ratio Lower Upper

117 100

119 5.2 75.2 112.8#

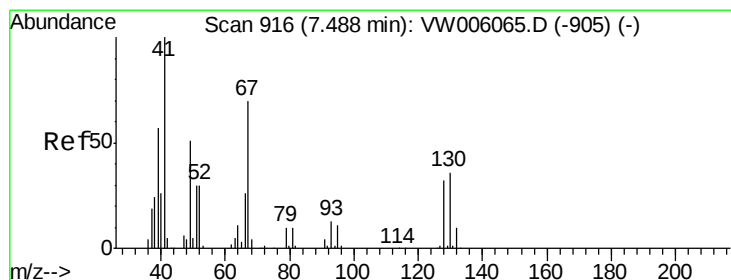
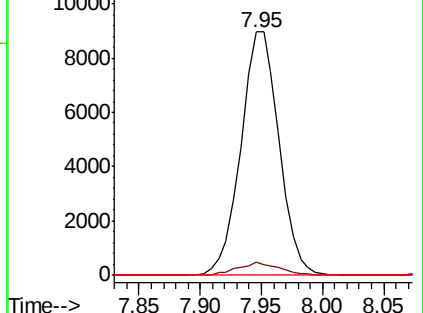
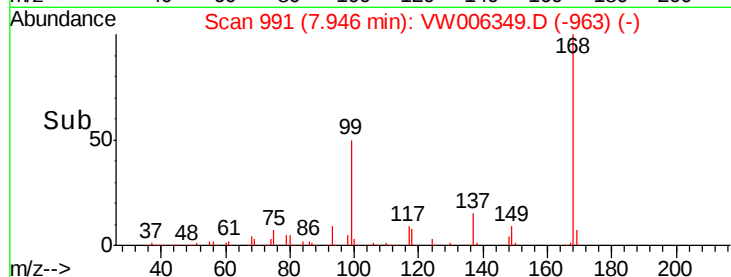
121 0.0 25.3 37.9#



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



#41

Methacrylonitrile

Concen: 1.161 ug/l

RT: 7.44 min Scan# 908

Delta R.T. -0.05 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Tgt Ion: 41 Resp: 830

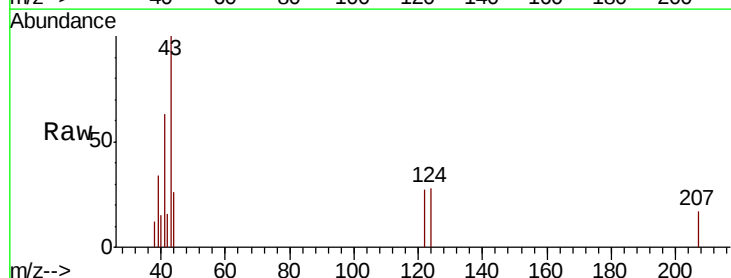
Ion Ratio Lower Upper

41 100

39 92.9 46.2 69.4#

67 0.0 57.7 86.5#

52 0.0 24.7 37.1#

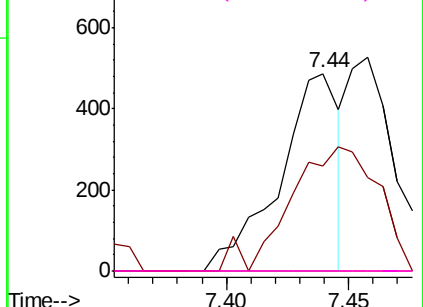
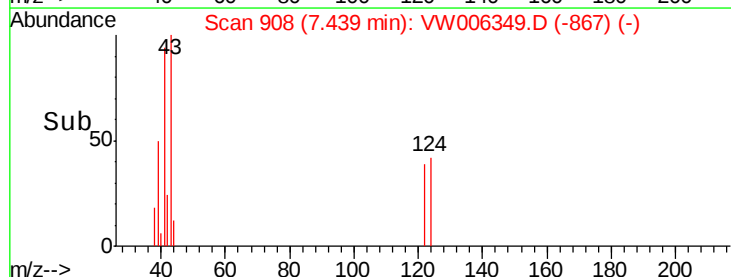


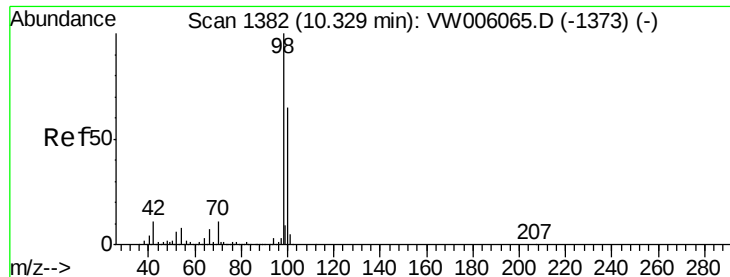
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 38.114 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

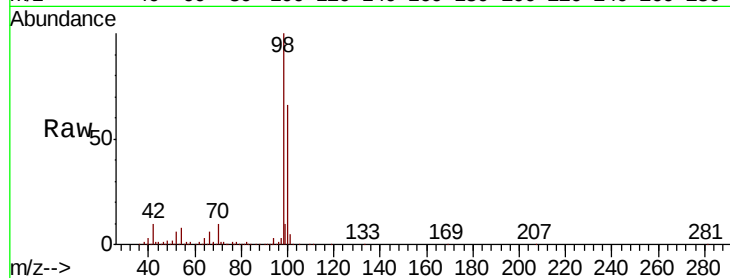
PA-SB-01BRE

Tot Ion: 98 Resp: 296618

Ion Ratio Lower Upper

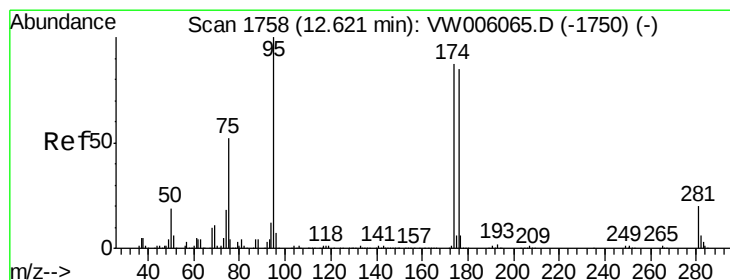
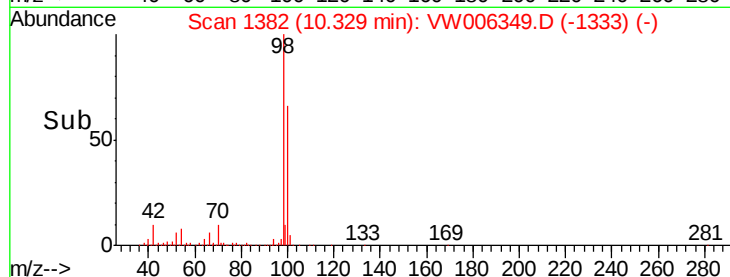
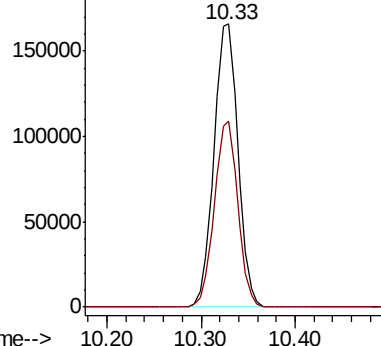
98 100

100 64.1 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: 23.129 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

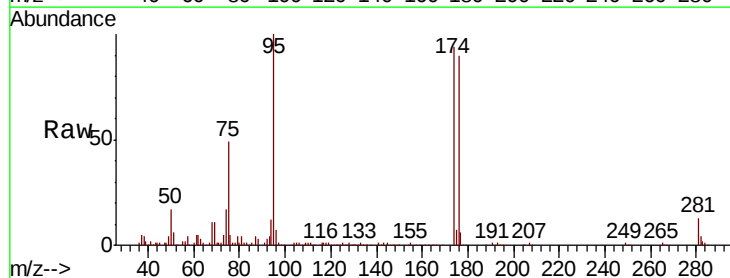
Tgt Ion: 95 Resp: 67604

Ion Ratio Lower Upper

95 100

174 94.3 0.0 186.0

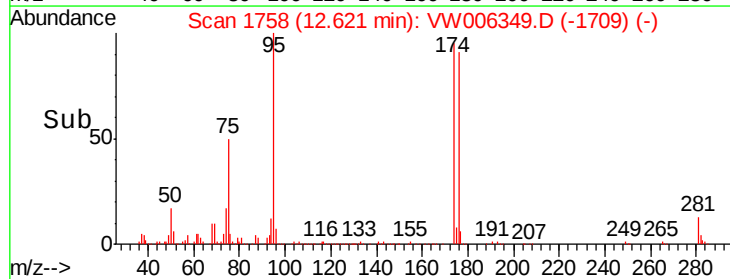
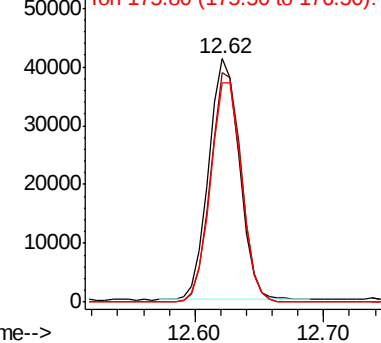
176 91.9 0.0 181.6

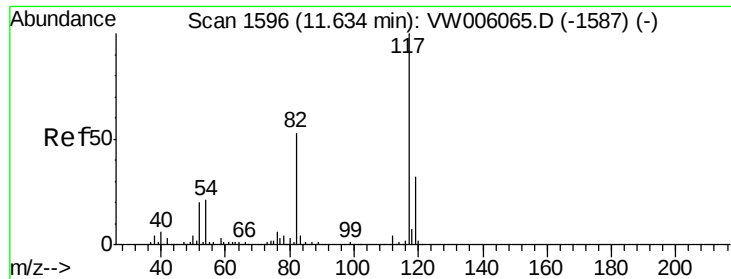


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

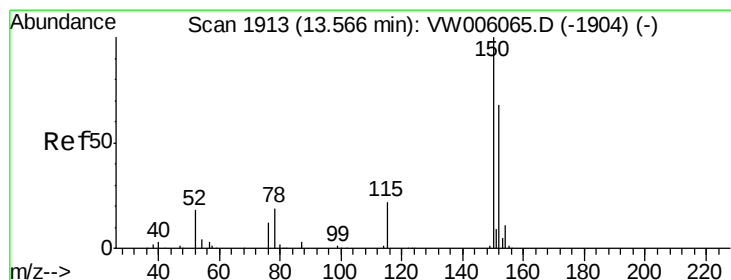
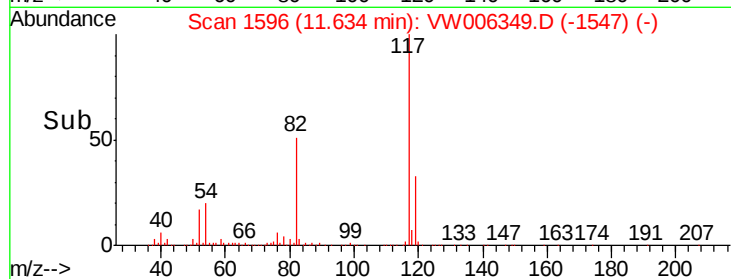
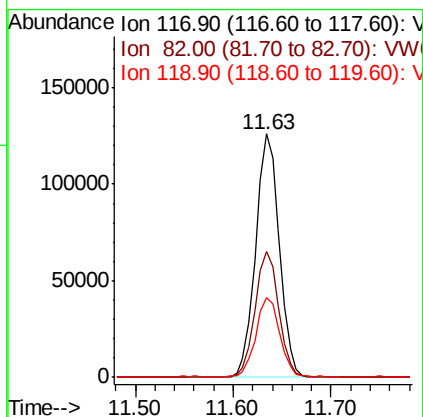
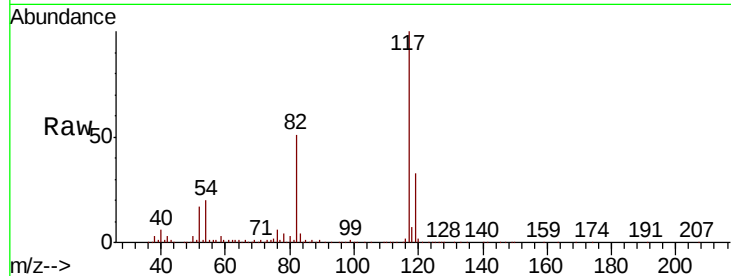




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

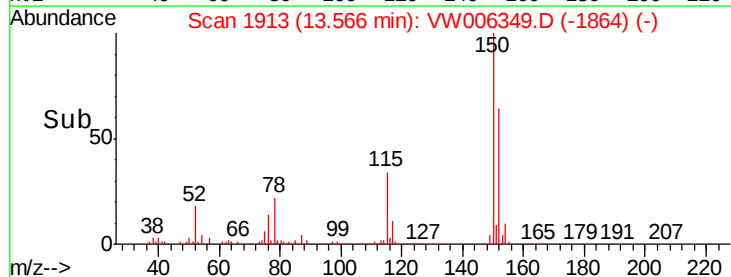
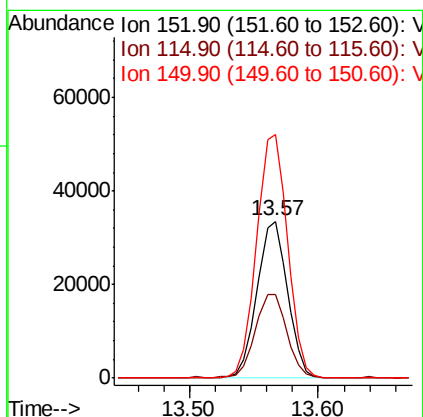
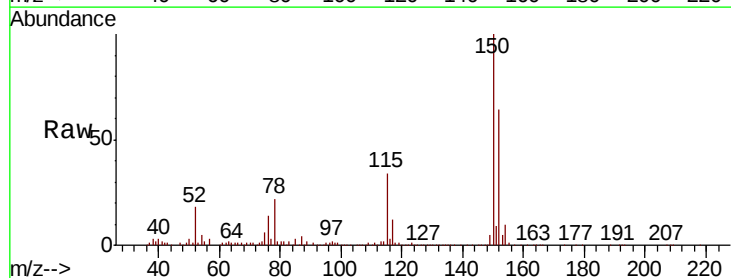
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BRE

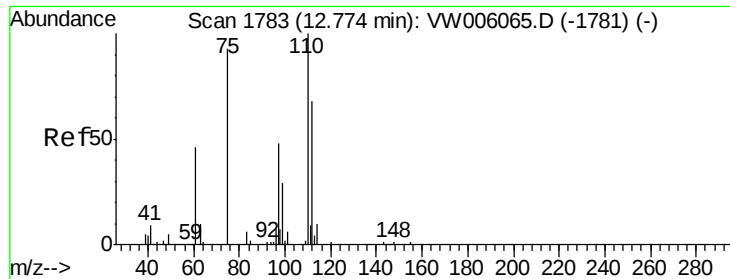
Tot Ion:117 Resp: 211230
Ion Ratio Lower Upper
117 100
82 51.4 42.1 63.1
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006349.D
Acq: 25 Oct 2018 06:39

Tgt Ion:152 Resp: 54923
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.3
150 157.6 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 78.970 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

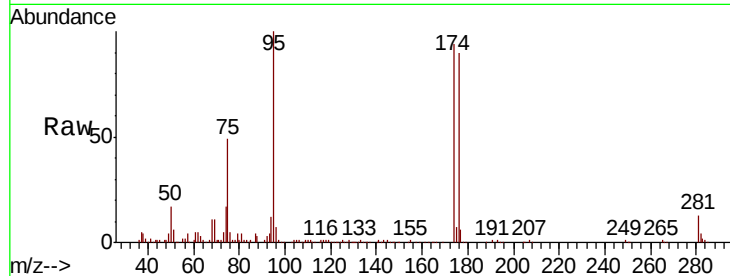
PA-SB-01BRE

Tot Ion: 75 Resp: 33128

Ion Ratio Lower Upper

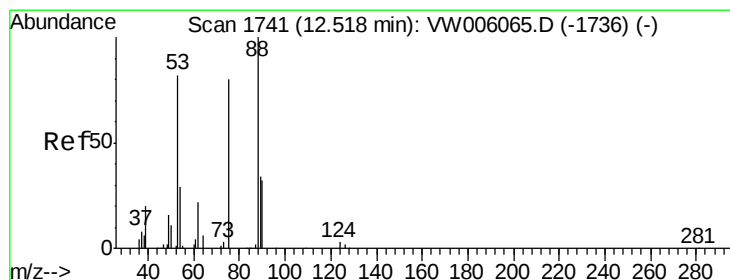
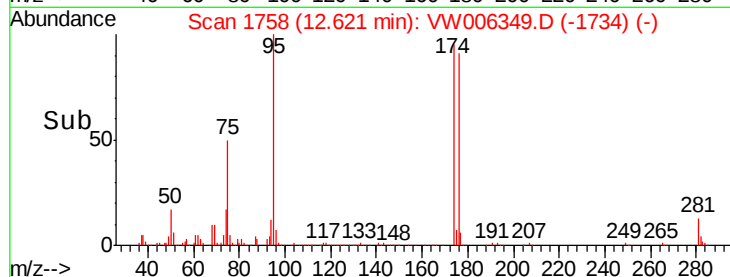
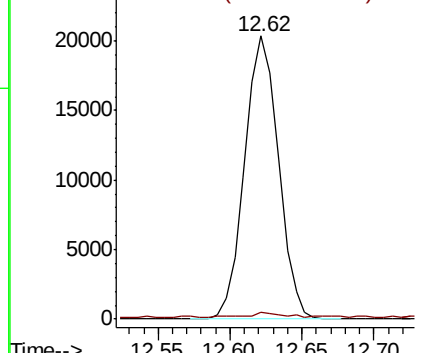
75 100

77 1.7 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: 188.768 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

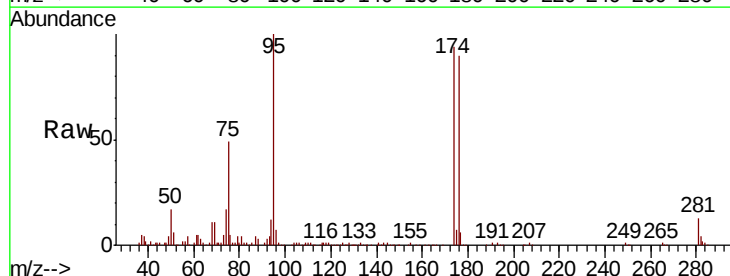
Tgt Ion: 75 Resp: 33128

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

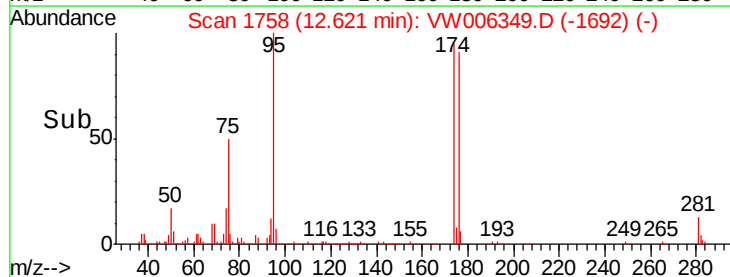
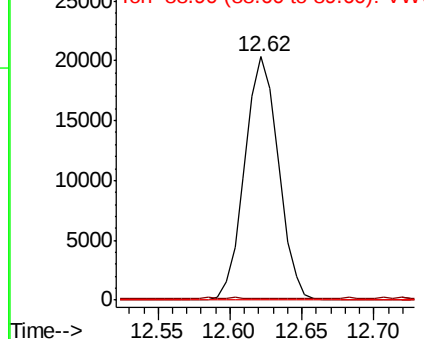
89 0.0 37.5 56.3#

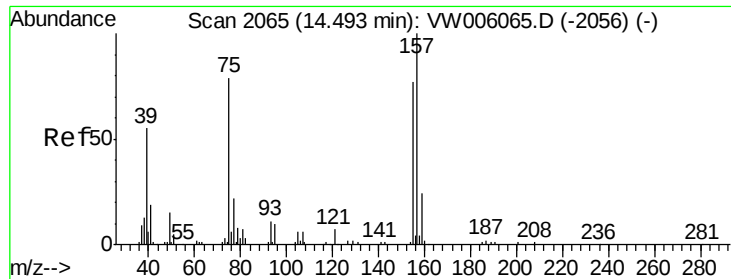


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.353 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.15 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BRE

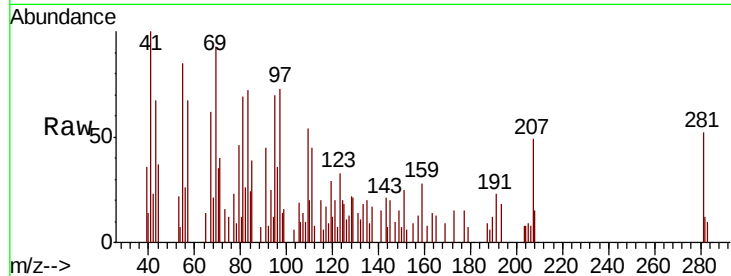
Tot Ion: 75 Resp: 143

Ion Ratio Lower Upper

75 100

155 106.3 46.5 139.5

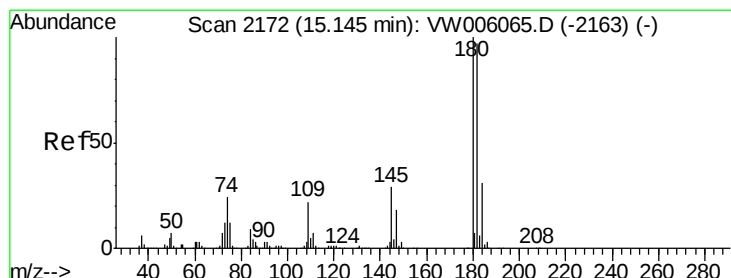
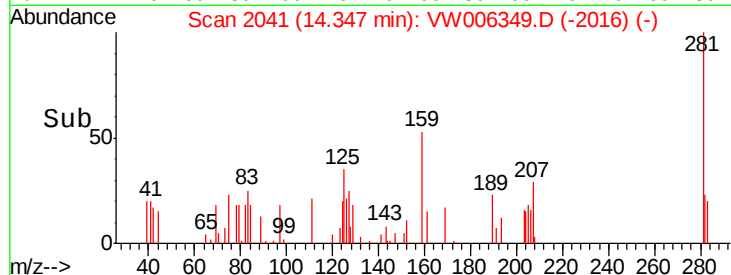
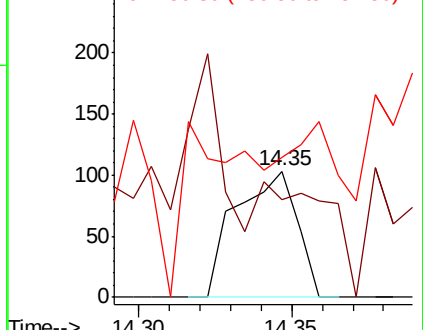
157 0.0 59.8 179.4#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.071 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006349.D

Acq: 25 Oct 2018 06:39

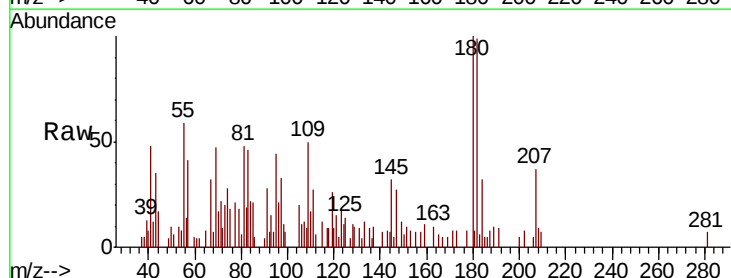
Tgt Ion: 180 Resp: 2688

Ion Ratio Lower Upper

180 100

182 98.1 47.9 143.6

145 44.7 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

