

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW103118\
 Data File : VW006471.D
 Acq On : 30 Oct 2018 00:34
 Operator : SY/AP
 Sample : J5624-07RE
 Misc : 4.47G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-02ARE

Quant Time: Oct 30 05:38:16 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	177857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	261511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	75419	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	104517	70.88	ug/l	0.00
Spiked Amount			Recovery	=	141.76%	
35) Dibromofluoromethane	7.88	113	92361	59.77	ug/l	0.00
Spiked Amount			Recovery	=	119.54%	
50) Toluene-d8	10.33	98	288431	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.62	95	75667	34.27	ug/l	0.00
Spiked Amount			Recovery	=	68.54%	

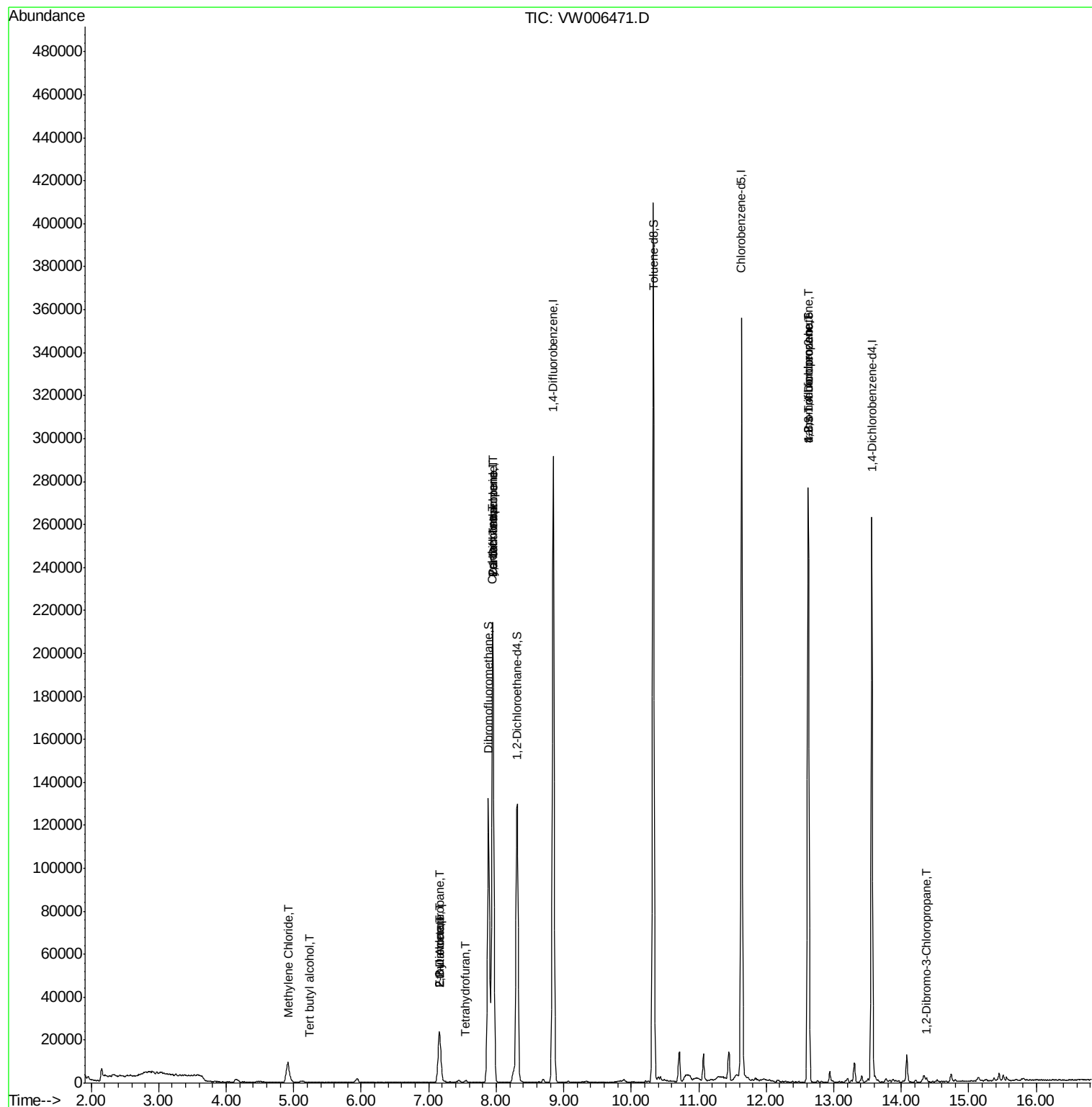
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	320	3.227	ug/l #	71
16) Acetone	4.15	43	3034	Below Cal	#	84
20) Methylene Chloride	4.91	84	7918	3.563	ug/l	97
25) 2-Butanone	7.15	43	1593	3.999	ug/l #	74
26) 2,2-Dichloropropane	7.16	77	1946	1.018	ug/l #	51
29) Tetrahydrofuran	7.54	42	619	2.528	ug/l #	54
31) Cyclohexane	7.94	56	3132	1.161	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	11462	4.755	ug/l #	49
37) Ethyl Acetate	7.15	43	1593	1.779	ug/l #	11
38) Carbon Tetrachloride	7.95	117	15353	5.810	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	39243	68.124	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	39243	162.843	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.37	75	188	1.296	ug/l #	1

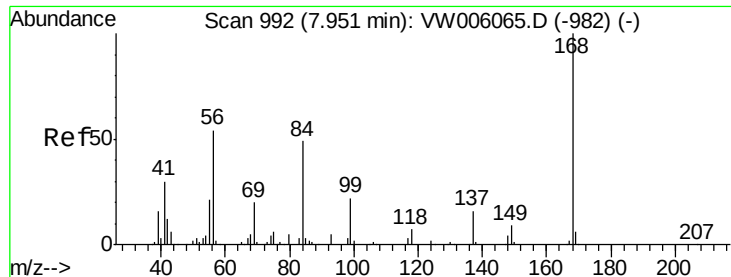
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 05:38:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 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: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampleId :

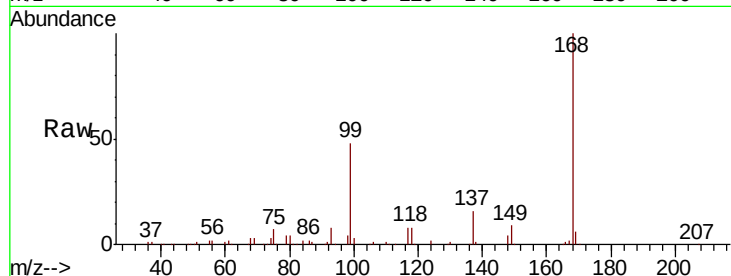
PA-SB-02ARE

Tot Ion:168 Resp: 177857

Ion Ratio Lower Upper

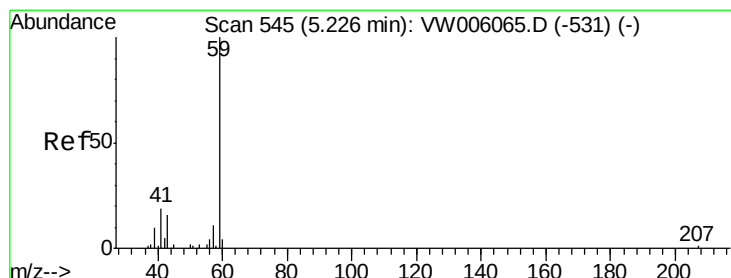
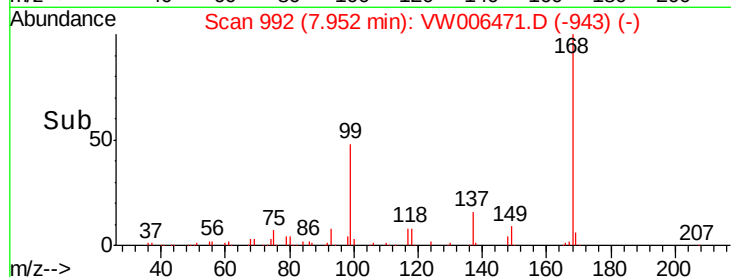
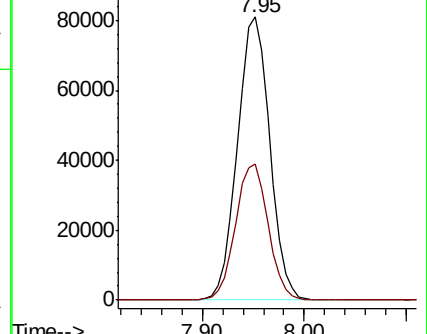
168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.227 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW006471.D

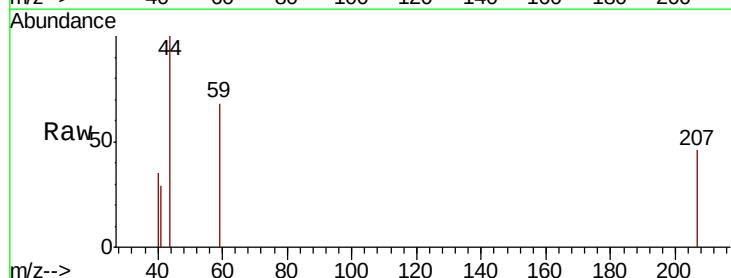
Acq: 30 Oct 2018 00:34

Tgt Ion: 59 Resp: 320

Ion Ratio Lower Upper

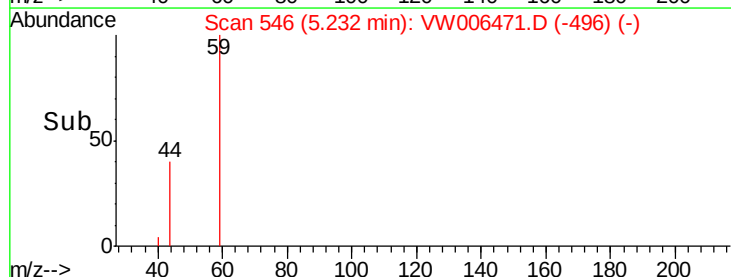
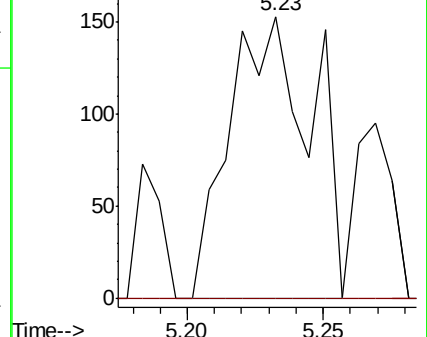
59 100

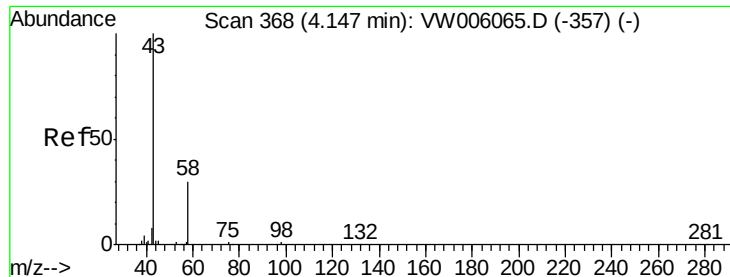
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampleId :

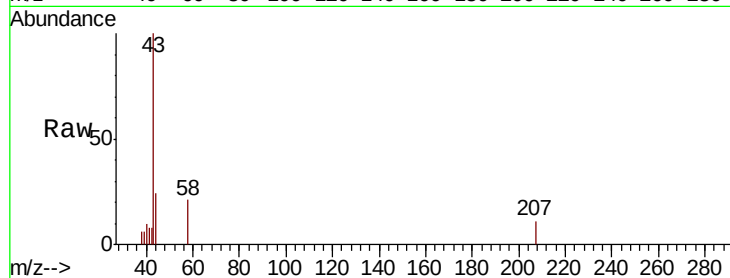
PA-SB-02ARE

Tot Ion: 43 Resp: 3034

Ion Ratio Lower Upper

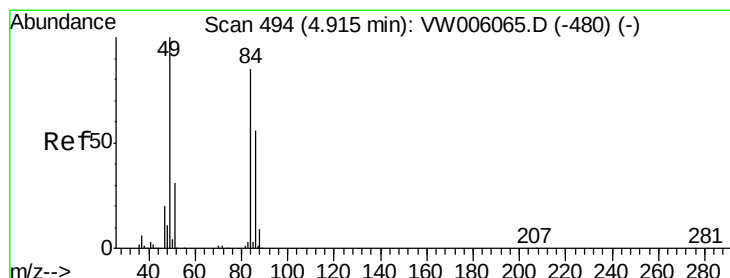
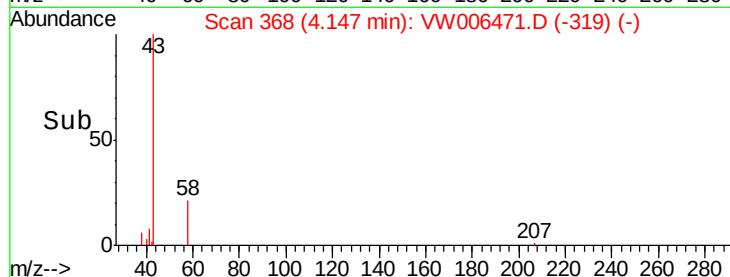
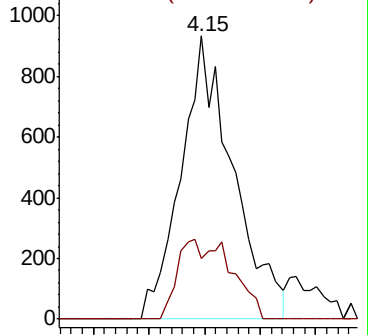
43 100

58 21.2 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.563 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Tgt Ion: 84 Resp: 7918

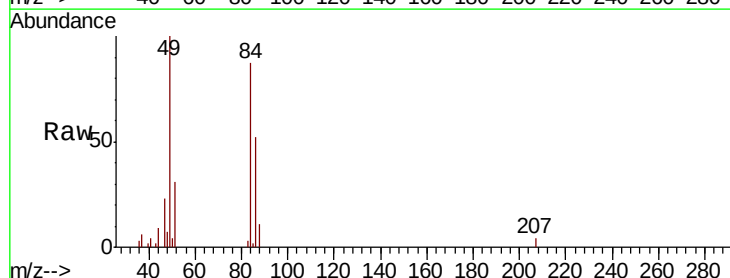
Ion Ratio Lower Upper

84 100

49 115.4 93.6 140.4

51 35.8 29.0 43.4

86 60.3 52.6 79.0

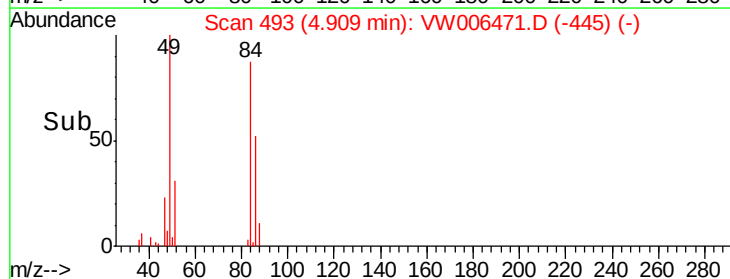
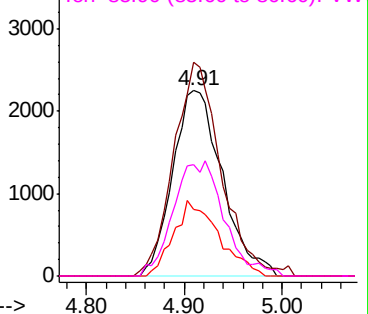


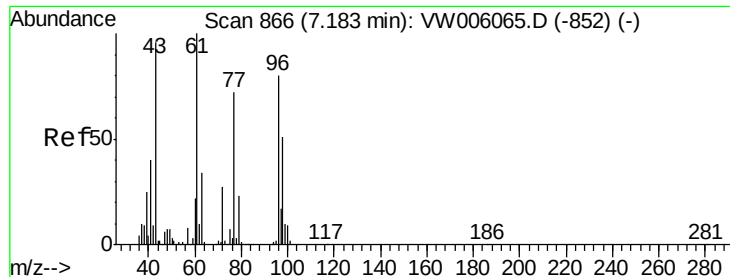
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.999 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.03 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampled :

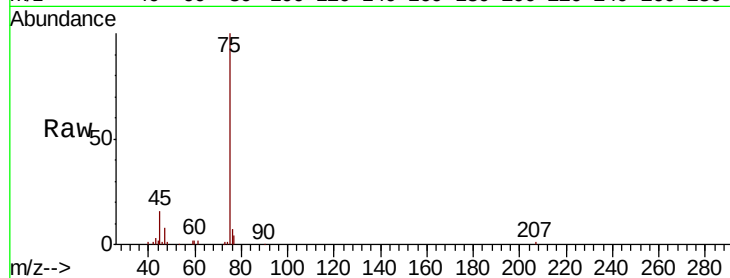
PA-SB-02ARE

Tot Ion: 43 Resp: 1593

Ion Ratio Lower Upper

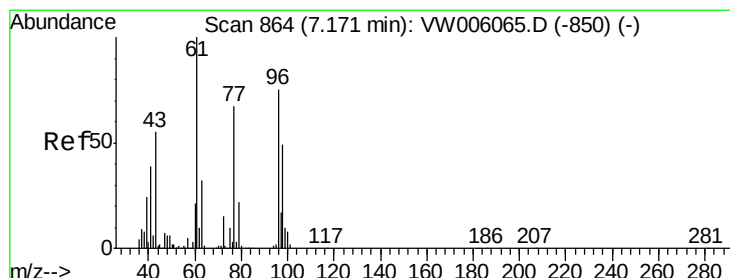
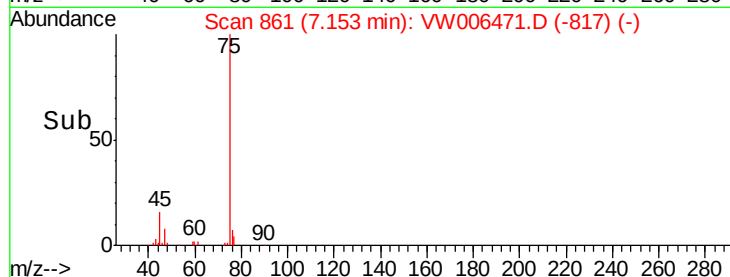
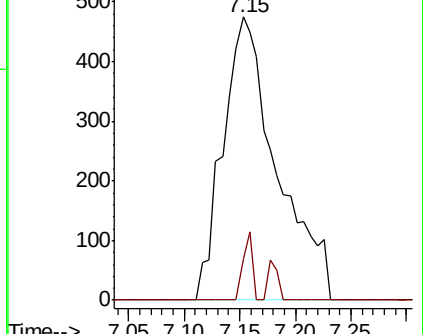
43 100

72 14.6 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.018 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW006471.D

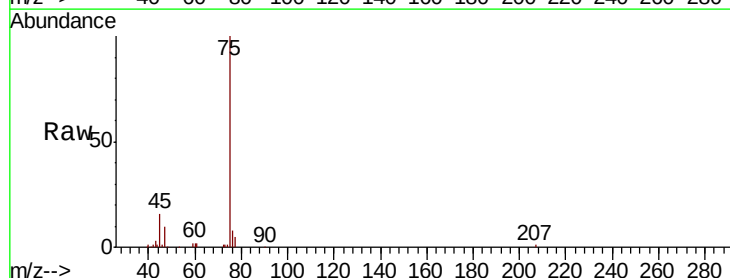
Acq: 30 Oct 2018 00:34

Tgt Ion: 77 Resp: 1946

Ion Ratio Lower Upper

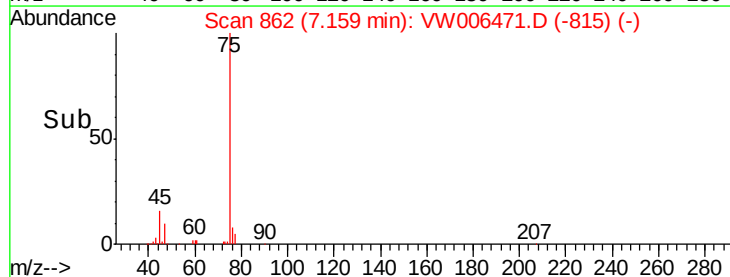
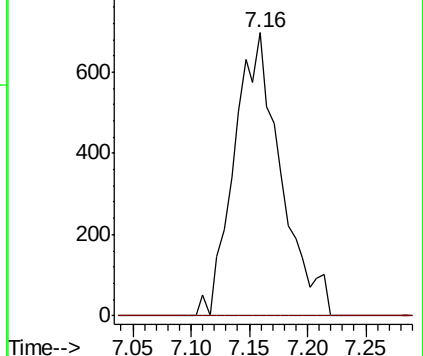
77 100

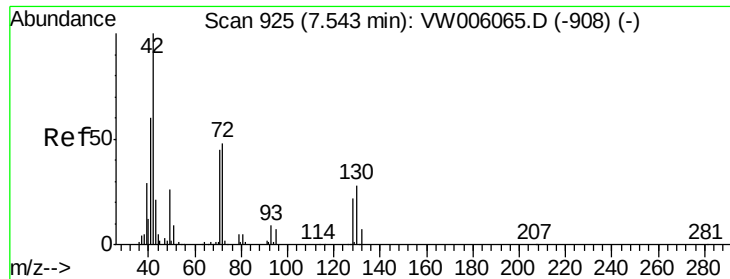
97 0.0 12.2 36.4#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

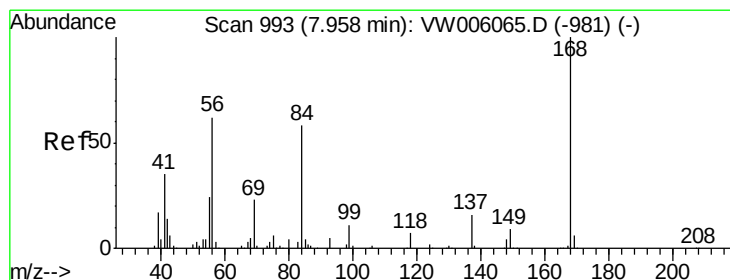
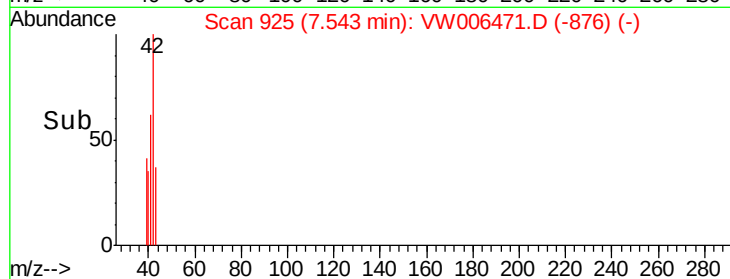
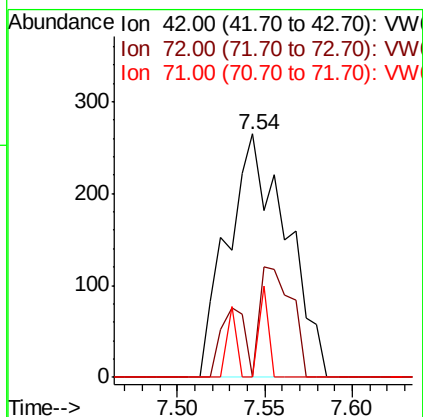
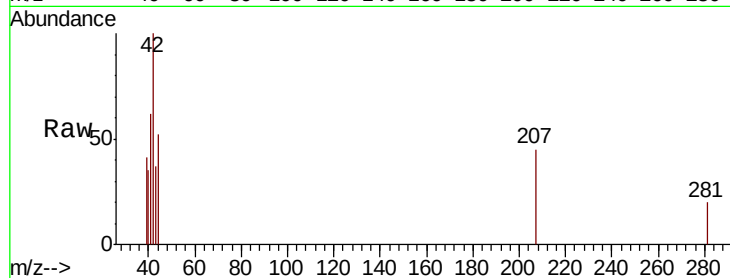




#29
Tetrahydrofuran
Concen: 2.528 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

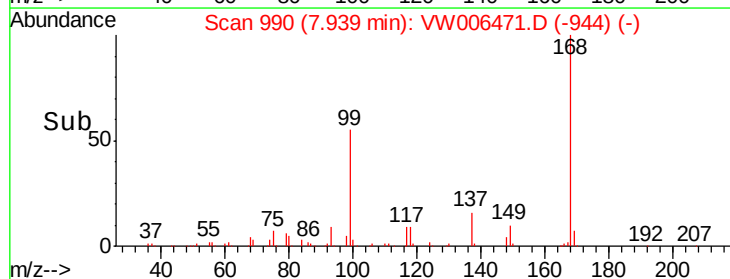
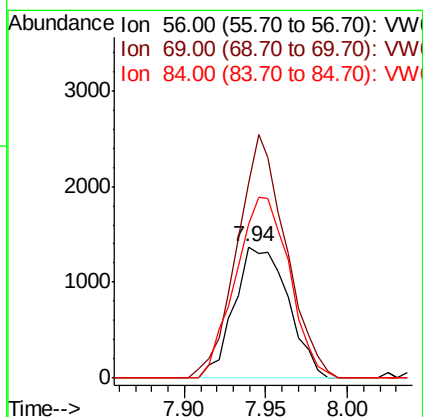
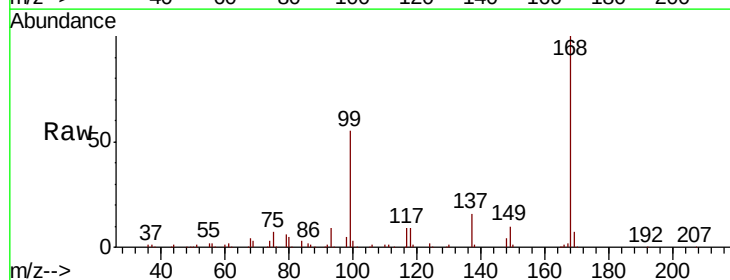
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-02ARE

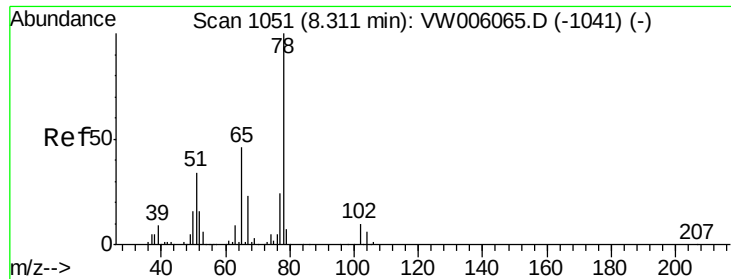
Tot Ion: 42 Resp: 619
Ion Ratio Lower Upper
42 100
72 24.2 38.0 57.0#
71 5.8 35.3 52.9#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

Tgt Ion: 56 Resp: 3132
Ion Ratio Lower Upper
56 100
69 148.8 29.4 44.0#
84 117.6 74.0 111.0#

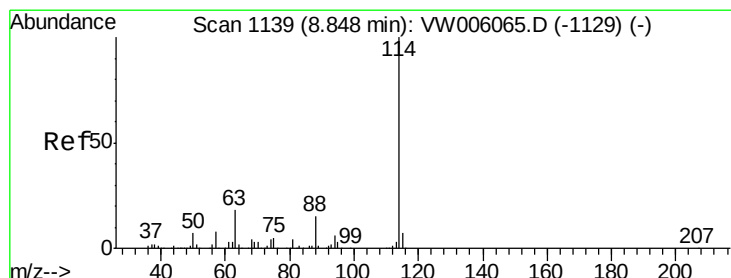
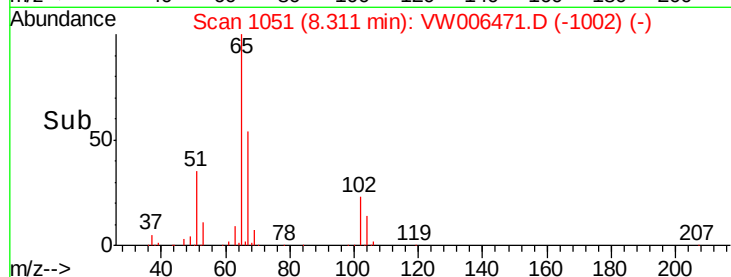
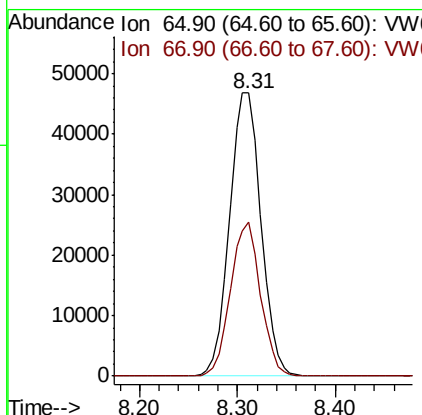
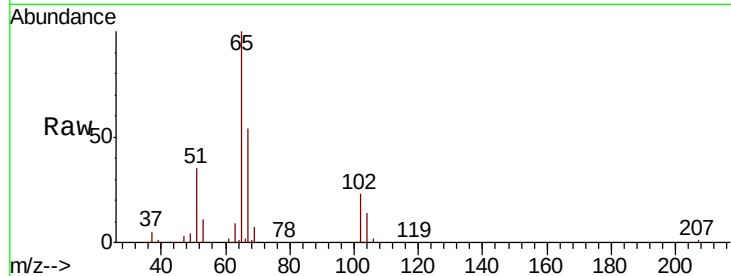




#33
 1,2-Dichloroethane-d4
 Concen: 70.881 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006471.D
 Acq: 30 Oct 2018 00:34

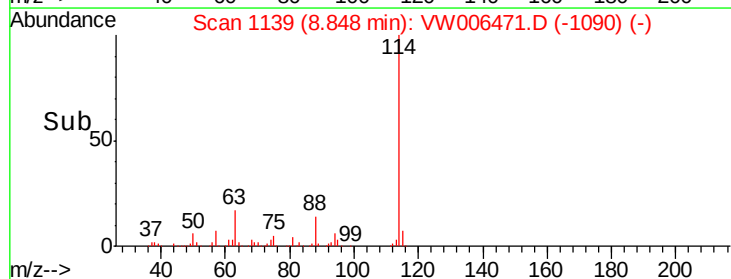
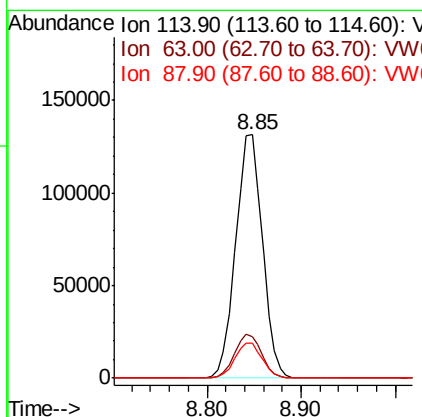
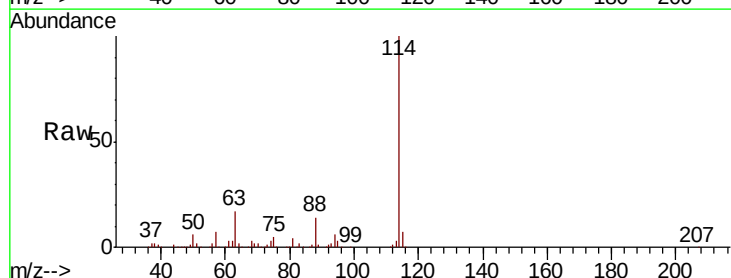
Instrument :
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 ClientSampleId :
 PA-SB-02ARE

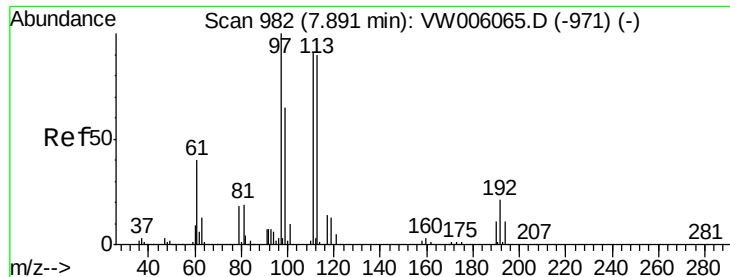
Tot Ion: 65 Resp: 104517
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006471.D
 Acq: 30 Oct 2018 00:34

Tgt Ion: 114 Resp: 261511
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 36.8
 88 14.1 0.0 29.0

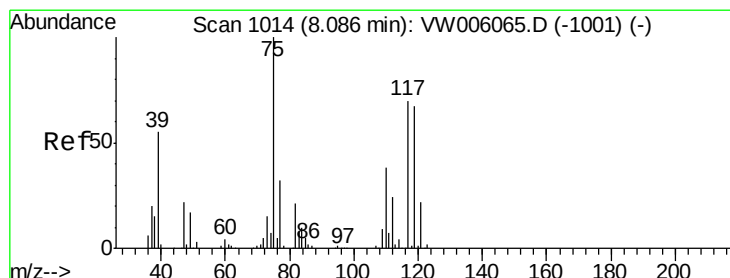
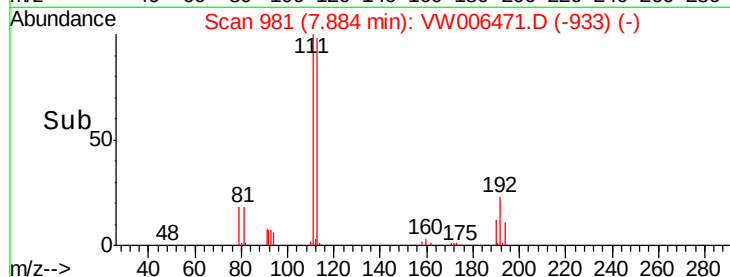
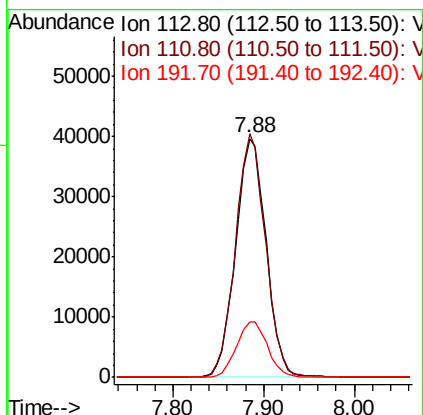
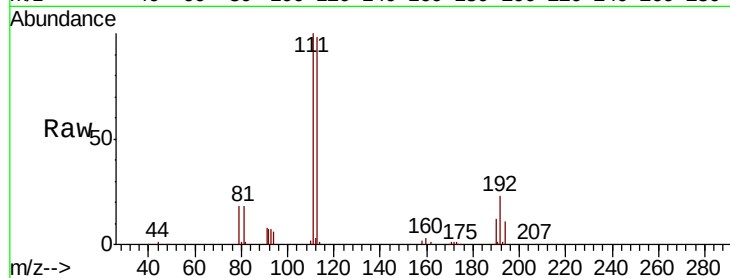




#35
 Dibromofluoromethane
 Concen: 59.771 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006471.D
 Acq: 30 Oct 2018 00:34

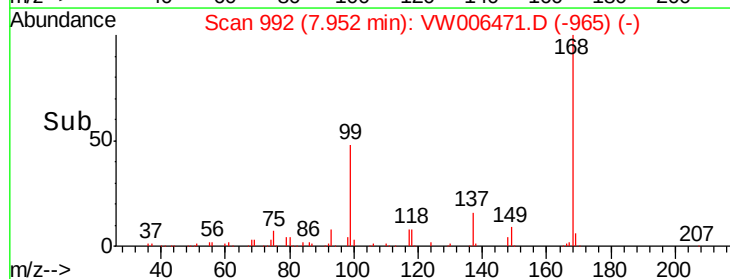
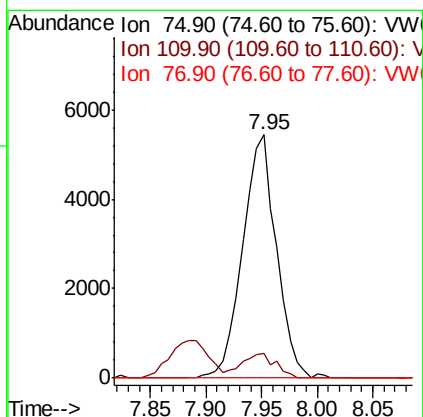
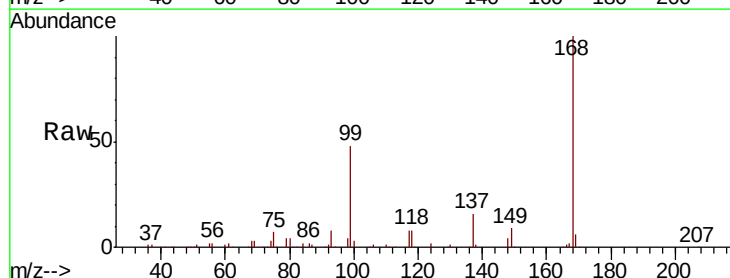
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 ClientSampleId :
 PA-SB-02ARE

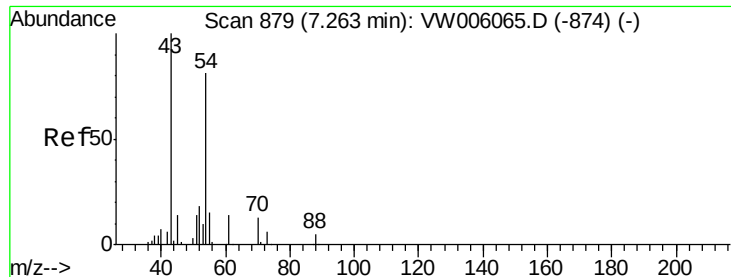
Tot Ion:113 Resp: 92361
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.4 122.0
 192 23.6 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.755 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006471.D
 Acq: 30 Oct 2018 00:34

Tgt Ion: 75 Resp: 11462
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.1 57.1#
 77 0.0 25.0 37.4#

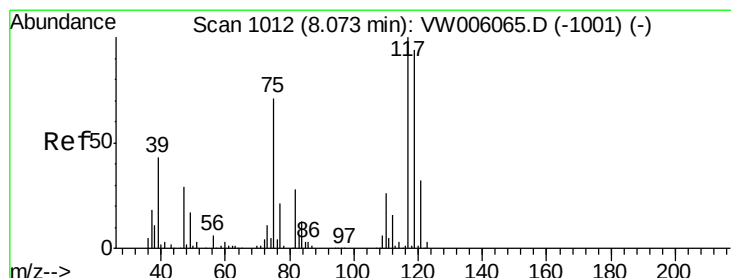
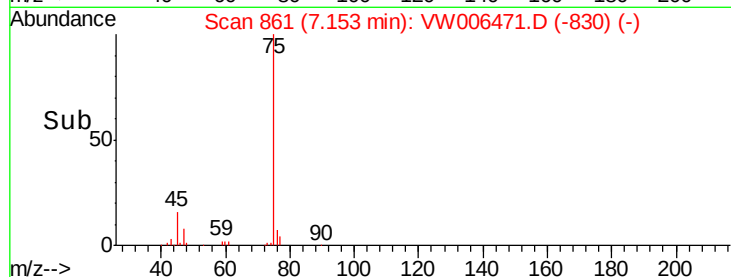
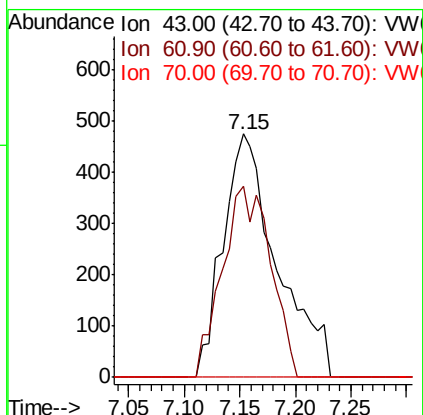
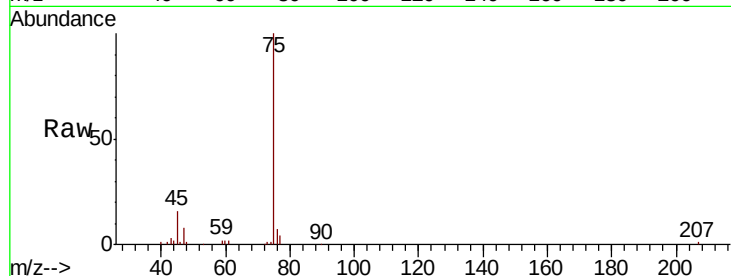




#37
Ethyl Acetate
Concen: 1.779 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.11 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

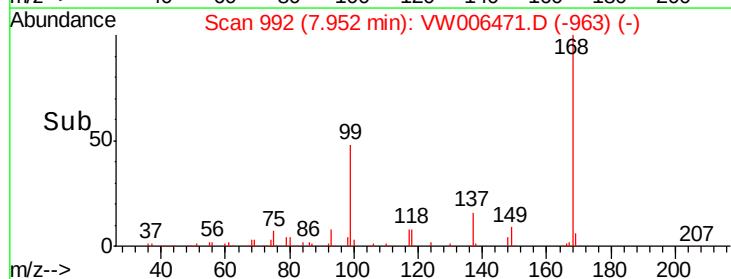
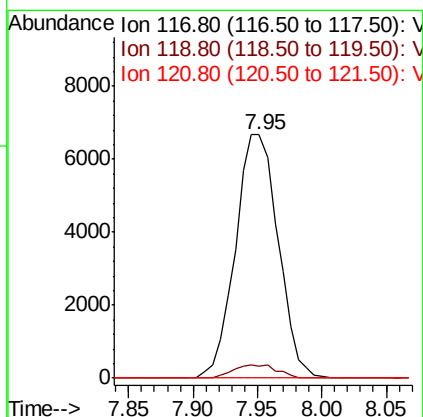
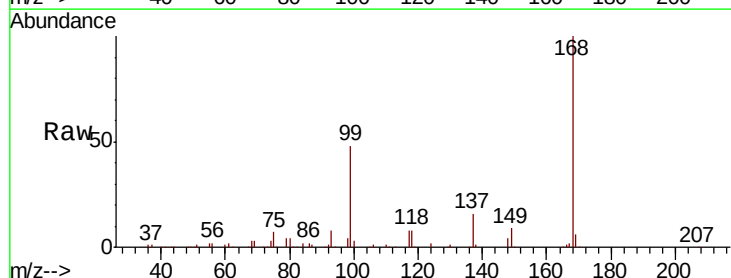
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-02ARE

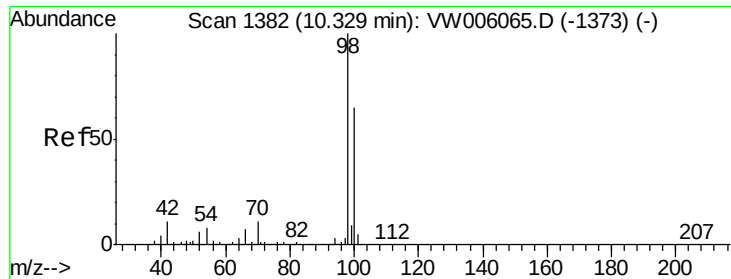
Tot Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
61 70.1 11.5 17.3#
70 0.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

Tgt Ion: 117 Resp: 15353
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 49.062 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampleId :

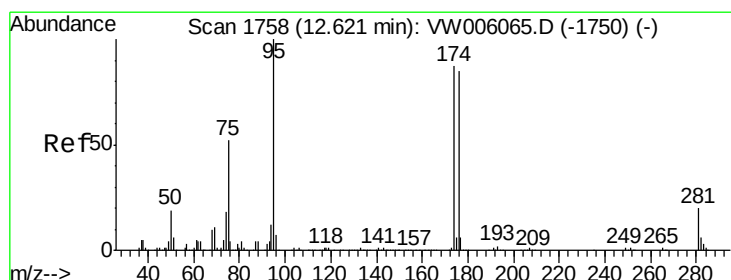
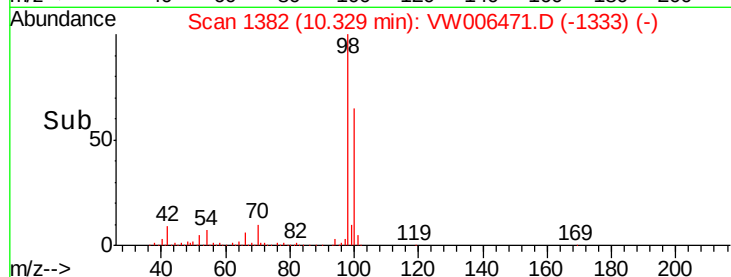
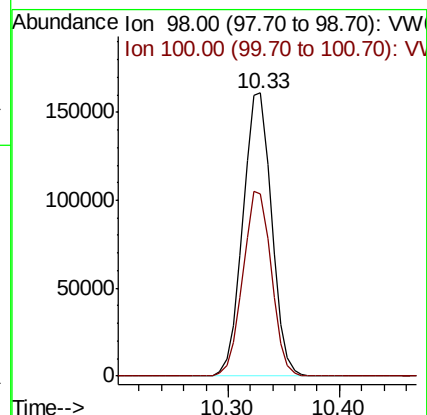
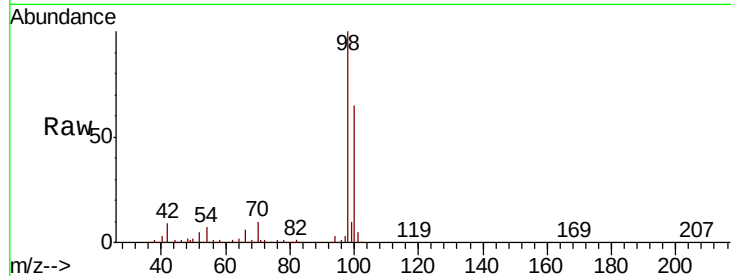
PA-SB-02ARE

Tot Ion: 98 Resp: 288431

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 34.269 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

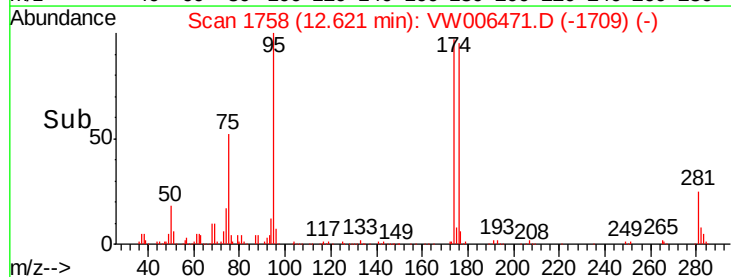
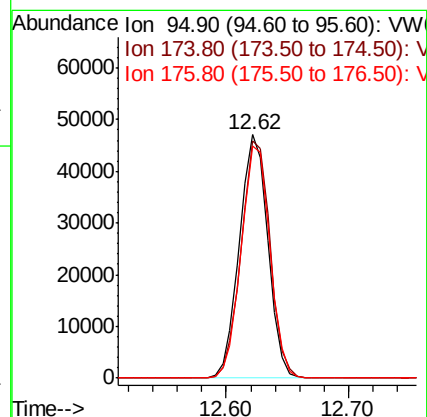
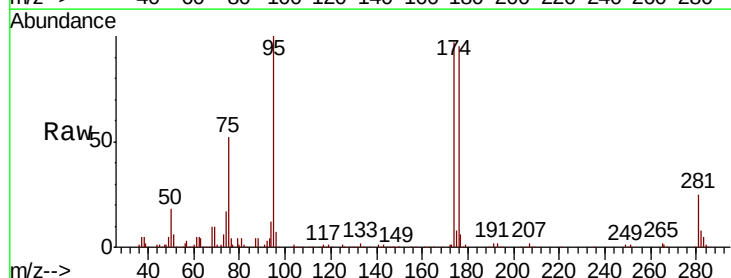
Tgt Ion: 95 Resp: 75667

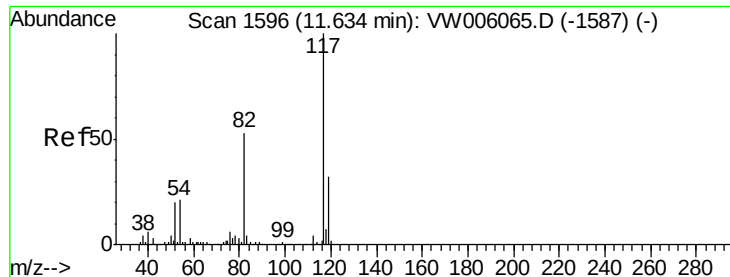
Ion Ratio Lower Upper

95 100

174 99.0 0.0 186.0

176 96.6 0.0 181.6

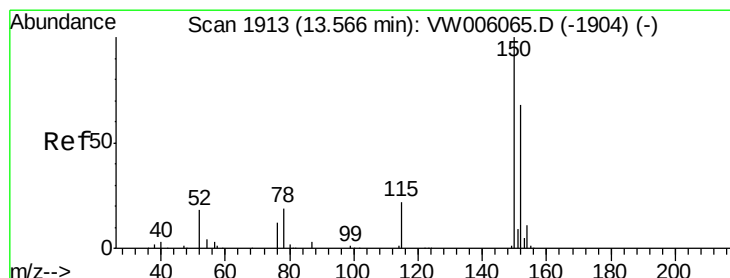
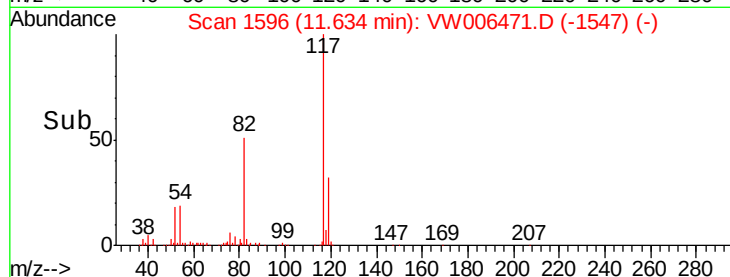
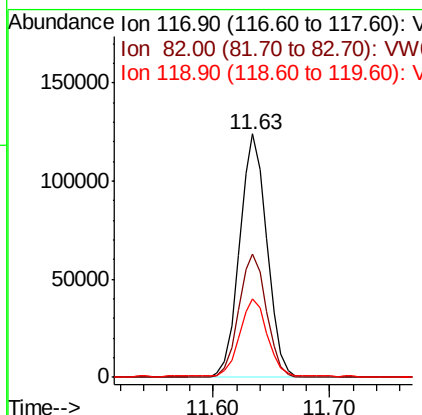
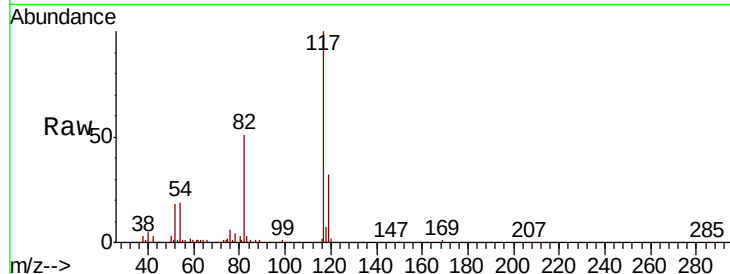




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

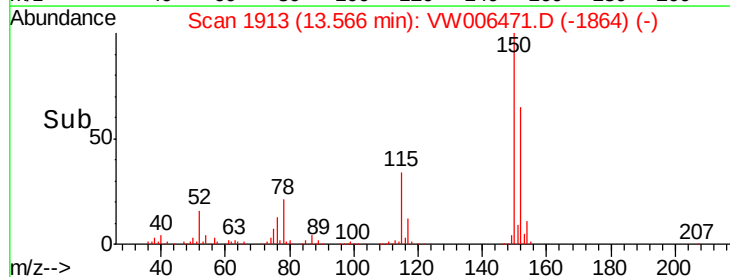
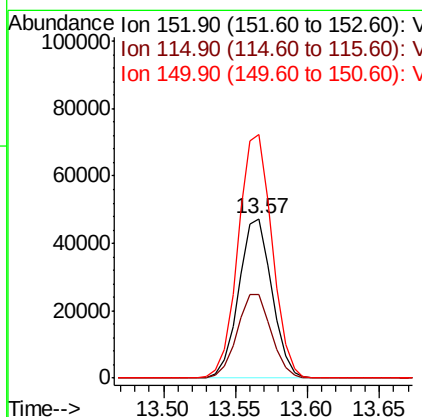
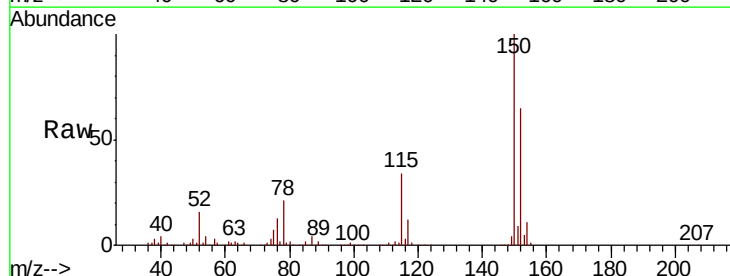
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-02ARE

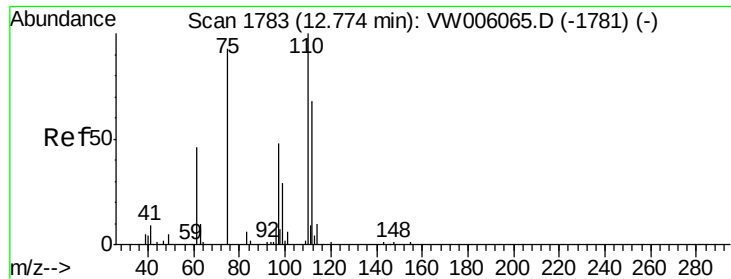
Tot Ion:117 Resp: 202234
Ion Ratio Lower Upper
117 100
82 50.9 42.1 63.1
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006471.D
Acq: 30 Oct 2018 00:34

Tgt Ion:152 Resp: 75419
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.3
150 156.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 68.124 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampled :

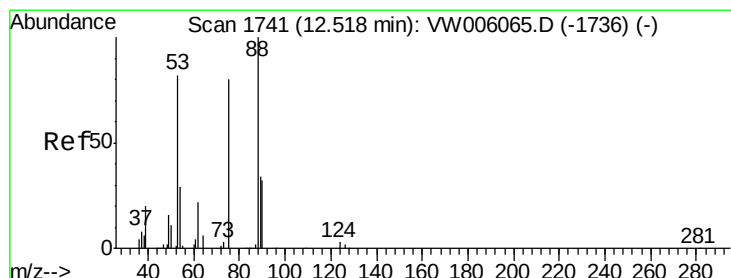
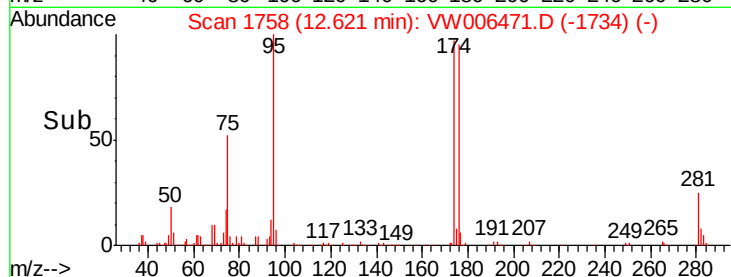
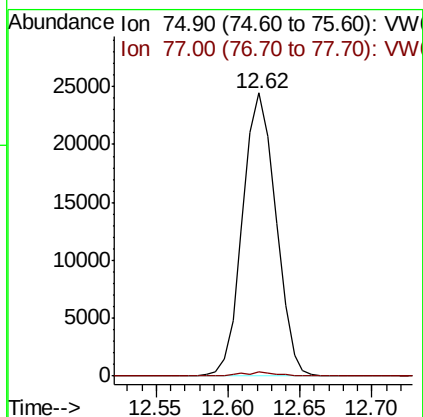
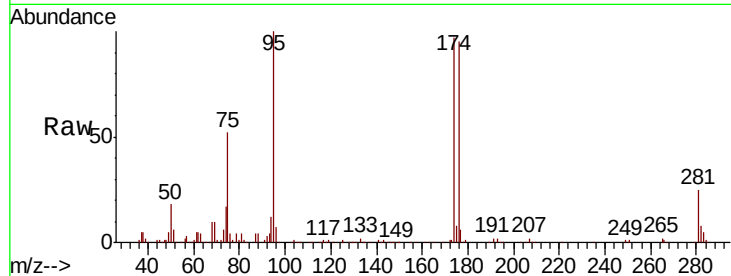
PA-SB-02ARE

Tot Ion: 75 Resp: 39243

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 162.843 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

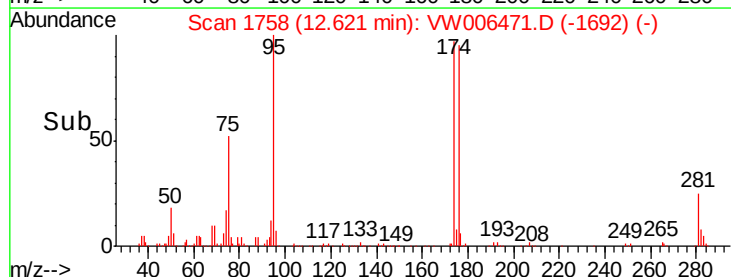
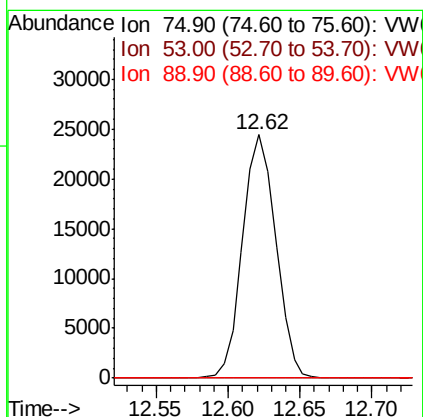
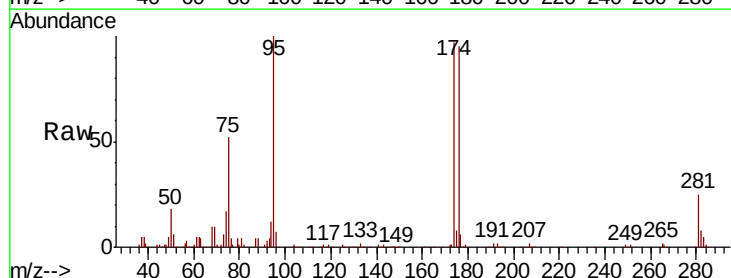
Tgt Ion: 75 Resp: 39243

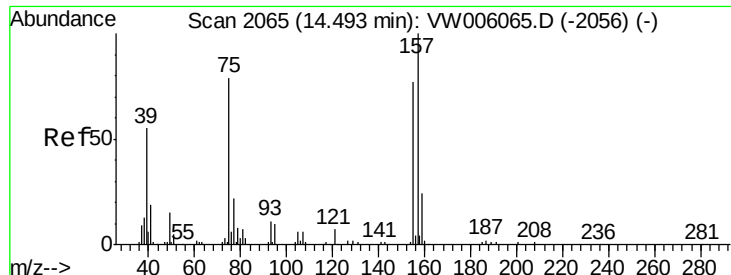
Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.1 37.5 56.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.296 ug/l

RT: 14.37 min Scan# 2044

Delta R.T. -0.13 min

Lab File: VW006471.D

Acq: 30 Oct 2018 00:34

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-02ARE

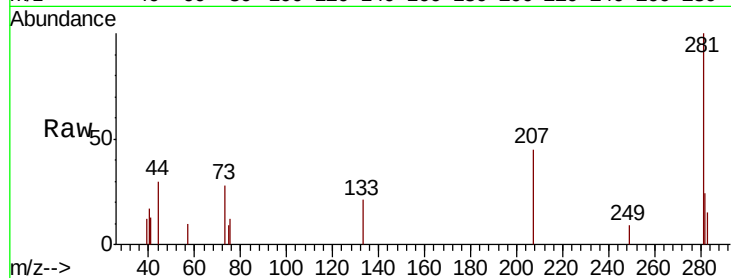
Tot Ion: 75 Resp: 188

Ion Ratio Lower Upper

75 100

155 0.0 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

