

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102518\
 Data File : VW006347.D
 Acq On : 25 Oct 2018 05:47
 Operator : SY/AP
 Sample : J5661-01RE
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VB44949

Quant Time: Oct 25 07:47:30 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	221379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	332471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	93476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	106282	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
35) Dibromofluoromethane	7.88	113	96585	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
50) Toluene-d8	10.32	98	251128	33.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.20%	
62) 4-Bromofluorobenzene	12.62	95	106387	37.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.80%	

Target Compounds

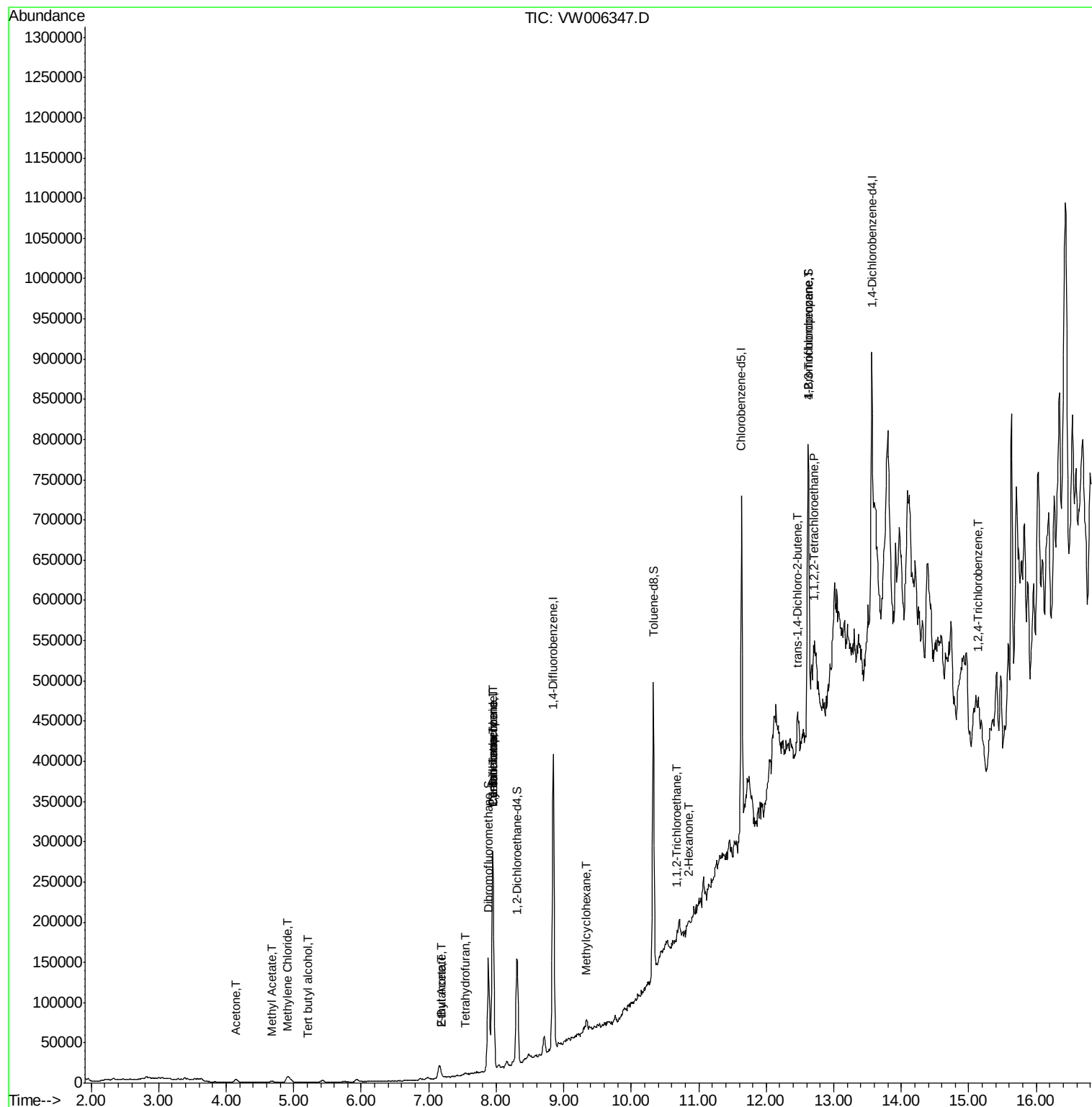
						Qvalue
11) Tert butyl alcohol	5.21	59	382	3.095	ug/l #	71
16) Acetone	4.14	43	7697	8.025	ug/l	95
18) Methyl Acetate	4.68	43	4119	4.460	ug/l	97
20) Methylene Chloride	4.91	84	5844	1.428	ug/l	90
25) 2-Butanone	7.19	43	3877	7.819	ug/l #	79
29) Tetrahydrofuran	7.54	42	2093	6.868	ug/l #	82
31) Cyclohexane	7.95	56	5943	1.770	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	14655	4.782	ug/l #	52
37) Ethyl Acetate	7.19	43	3866	3.396	ug/l #	71
38) Carbon Tetrachloride	7.95	117	20310	6.046	ug/l #	19
39) Methylcyclohexane	9.34	83	5882	1.444	ug/l #	78
55) 1,1,2-Trichloroethane	10.67	97	1906	1.188	ug/l #	26
59) 2-Hexanone	10.84	43	3895	4.678	ug/l	66
75) 1,1,2,2-Tetrachloroethane	12.69	83	10915	10.867	ug/l #	29
76) 1,2,3-Trichloropropane	12.62	75	45754	64.084	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.46	75	3699	12.384	ug/l #	21
93) 1,2,4-Trichlorobenzene	15.15	180	4367	1.977	ug/l #	34

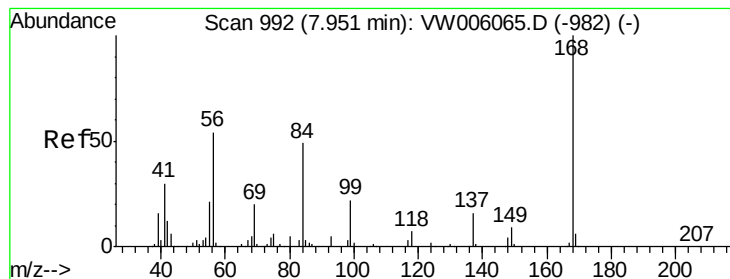
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW006347.D

Acq: 25 Oct 2018 05:47

Instrument :

MSVOA_W

ClientSampleId :

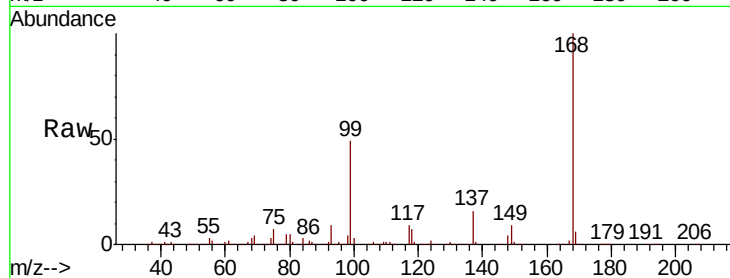
VB44949

Tot Ion:168 Resp: 221379

Ion Ratio Lower Upper

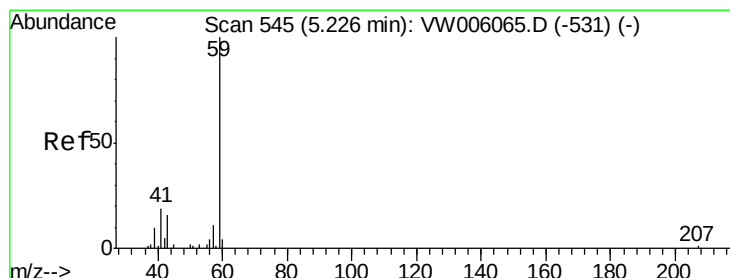
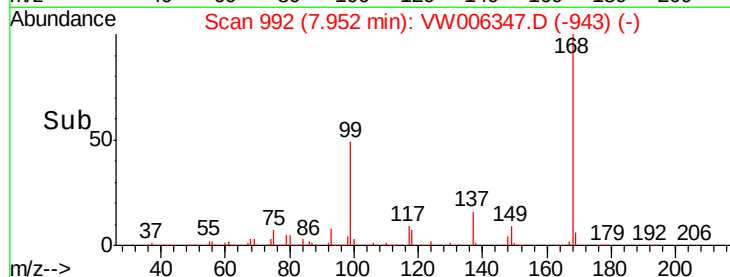
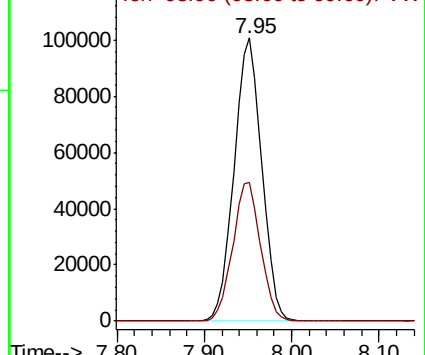
168 100

99 49.2 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: 3.095 ug/l

RT: 5.21 min Scan# 543

Delta R.T. -0.01 min

Lab File: VW006347.D

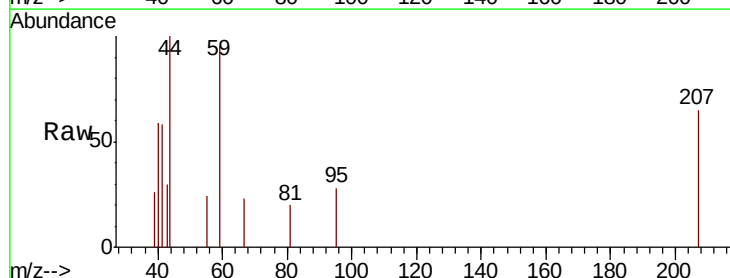
Acq: 25 Oct 2018 05:47

Tgt Ion: 59 Resp: 382

Ion Ratio Lower Upper

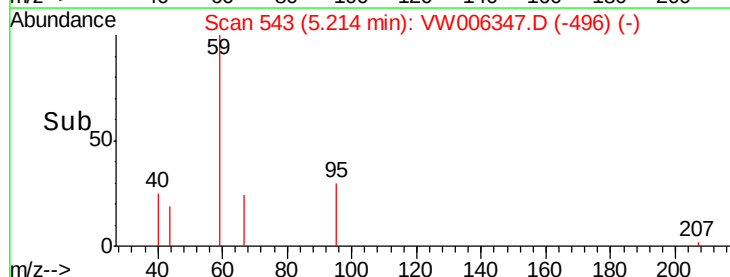
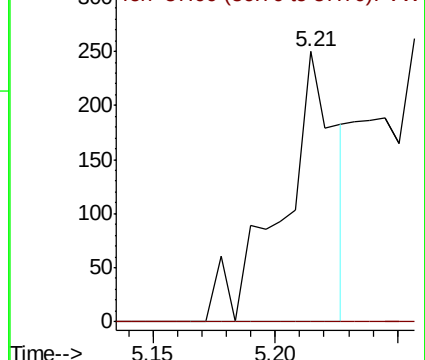
59 100

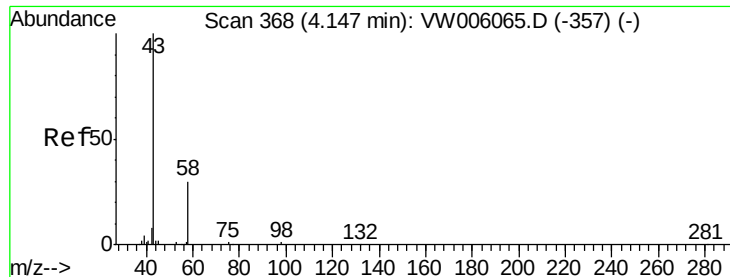
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 8.025 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006347.D

Acq: 25 Oct 2018 05:47

Instrument :

MSVOA_W

ClientSampleId :

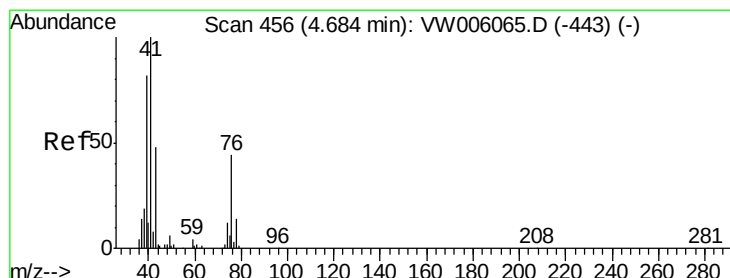
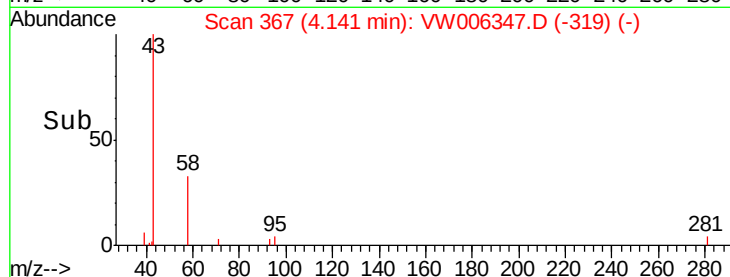
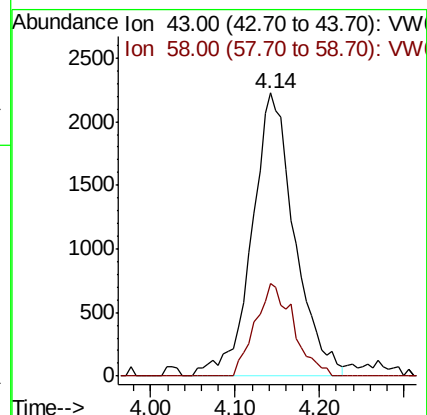
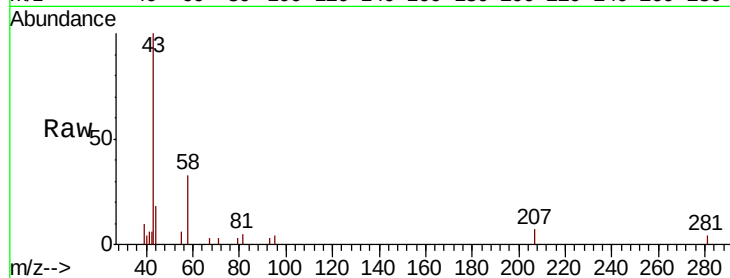
VB44949

Tot Ion: 43 Resp: 7697

Ion Ratio Lower Upper

43 100

58 32.7 24.0 36.0



#18

Methyl Acetate

Concen: 4.460 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW006347.D

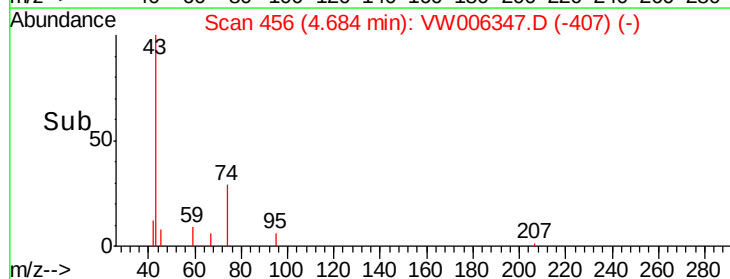
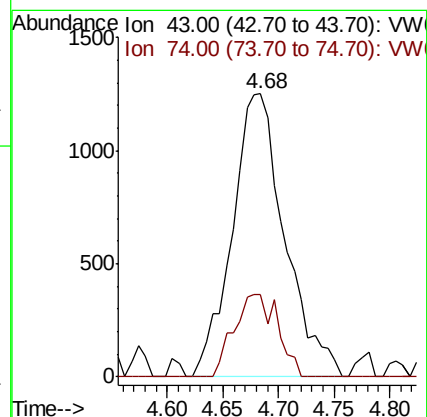
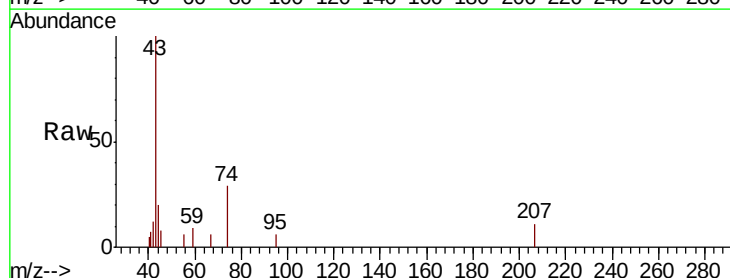
Acq: 25 Oct 2018 05:47

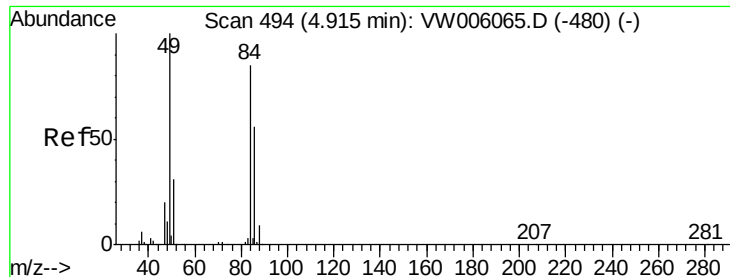
Tgt Ion: 43 Resp: 4119

Ion Ratio Lower Upper

43 100

74 24.0 20.5 30.7

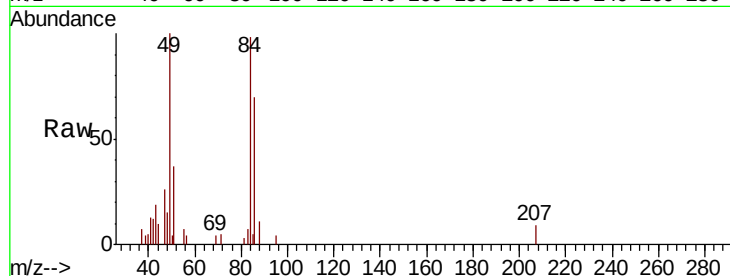




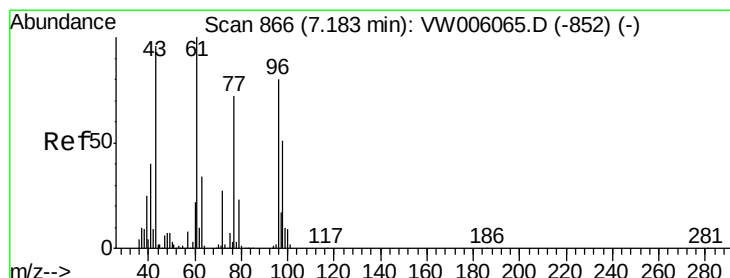
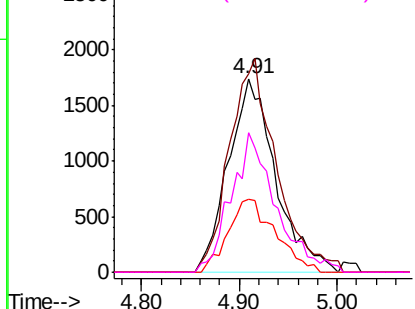
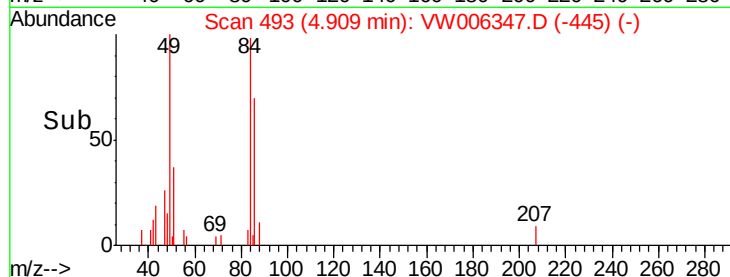
#20
Methylene Chloride
Concen: 1.428 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

Instrument :
MSVOA_W
ClientSampleId :
VB44949

Tot Ion:	84	Resp:	5844
Ion	Ratio	Lower	Upper
84	100		
49	102.4	93.6	140.4
51	37.5	29.0	43.4
86	71.8	52.6	79.0

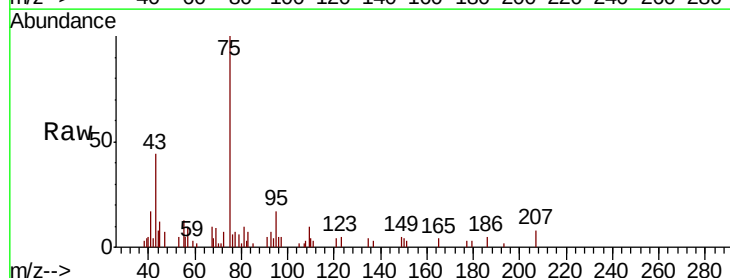


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

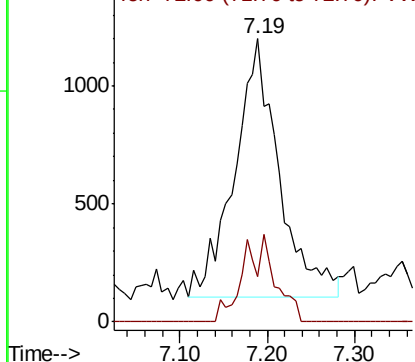
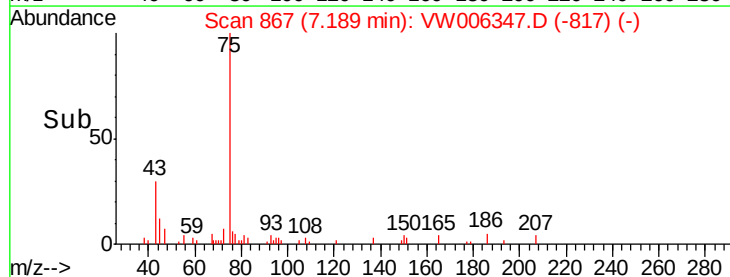


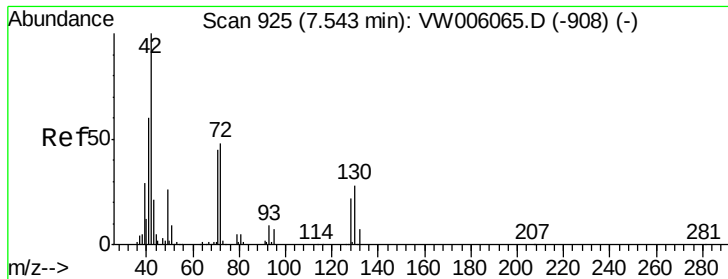
#25
2-Butanone
Concen: 7.819 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

Tgt Ion:	43	Resp:	3877
Ion	Ratio	Lower	Upper
43	100		
72	17.5	22.8	34.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

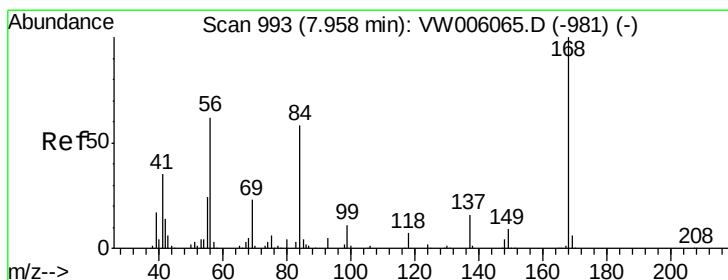
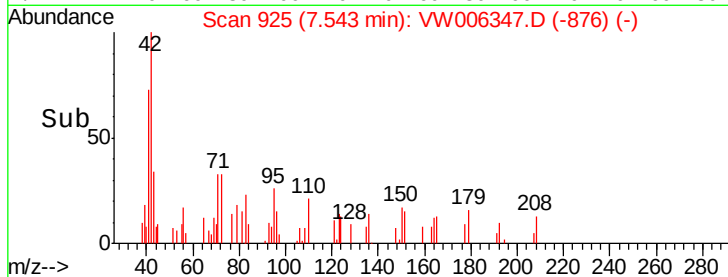
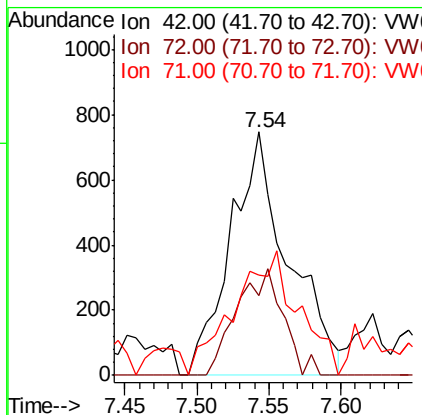
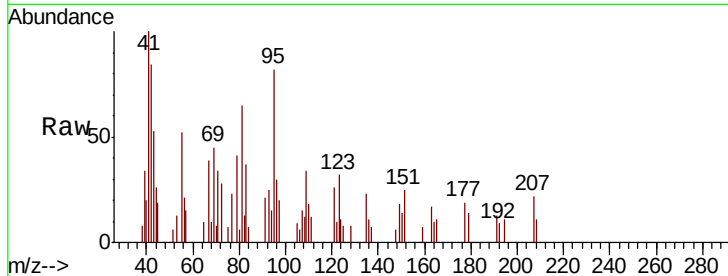




#29
Tetrahydrofuran
Concen: 6.868 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

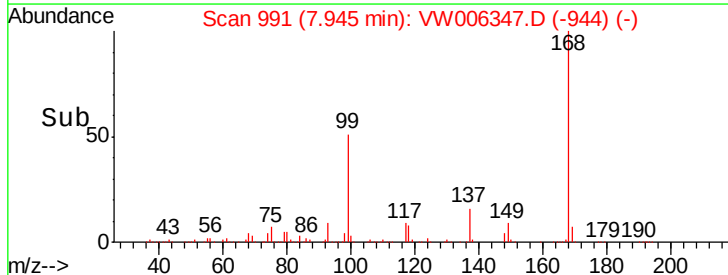
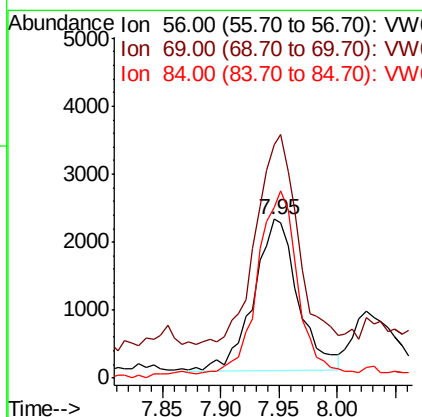
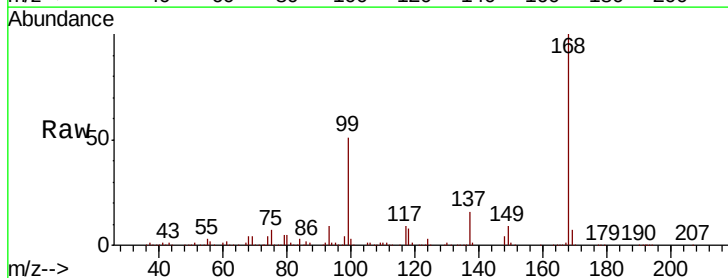
Instrument :
MSVOA_W
ClientSampled :
VB44949

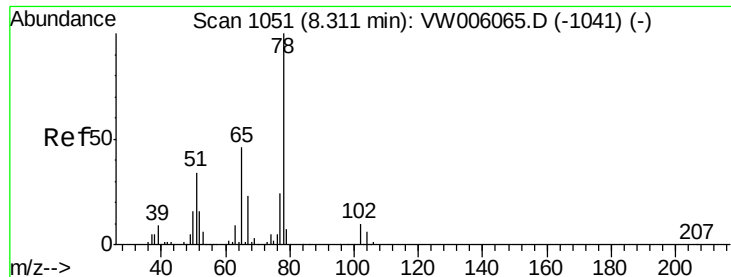
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	38.0	57.0#
71	56.2	35.3	52.9#



#31
Cyclohexane
Concen: 1.770 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

Tgt Ion	Ratio	Lower	Upper
56	100		
69	130.9	29.4	44.0#
84	109.2	74.0	111.0

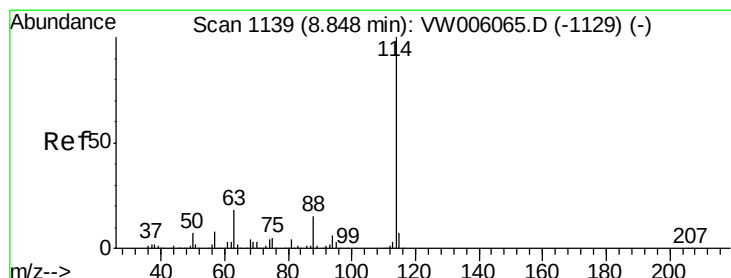
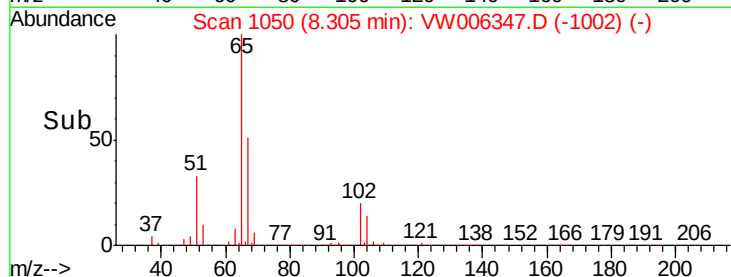
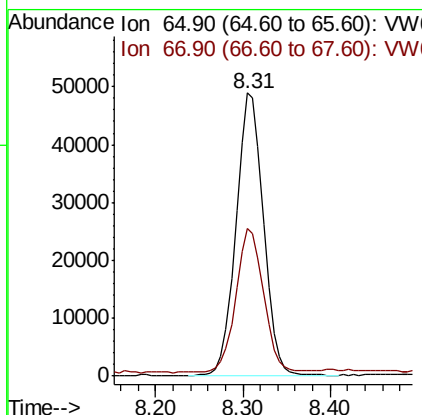
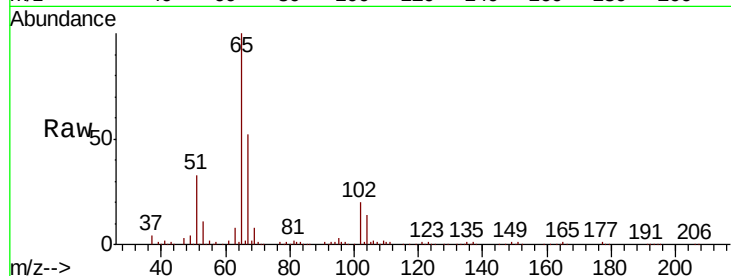




#33
 1,2-Dichloroethane-d4
 Concen: 57.908 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

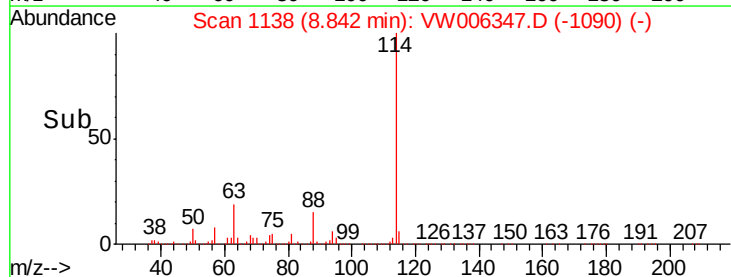
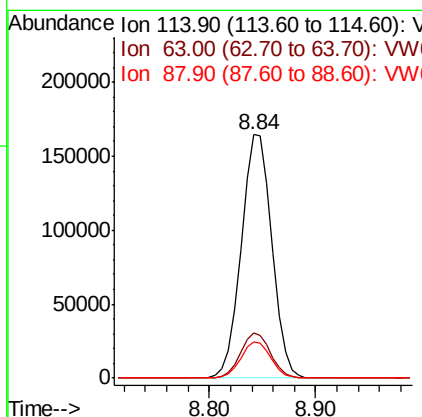
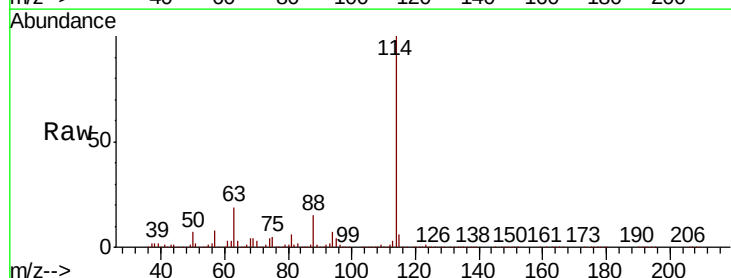
Instrument :
 MSVOA_W
 ClientSampled :
 VB44949

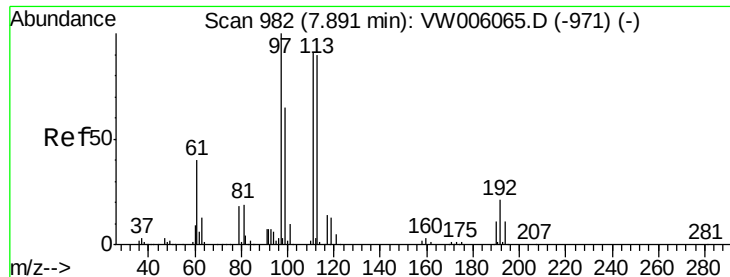
Tot Ion: 65 Resp: 106282
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

Tgt Ion: 114 Resp: 332471
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 36.8
 88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.164 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006347.D

Acq: 25 Oct 2018 05:47

Instrument :

MSVOA_W

ClientSampleId :

VB44949

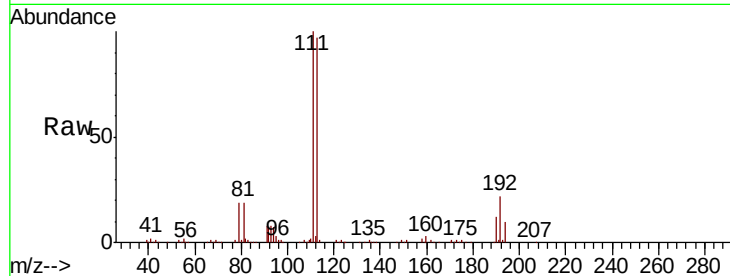
Tot Ion:113 Resp: 96585

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

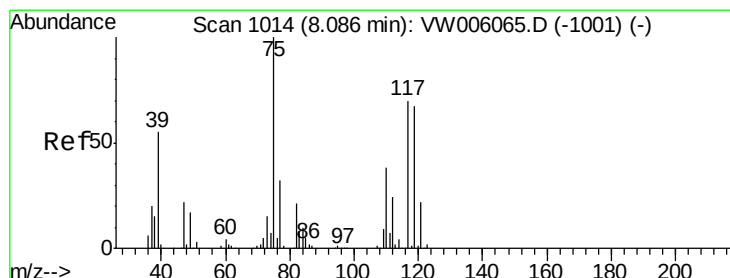
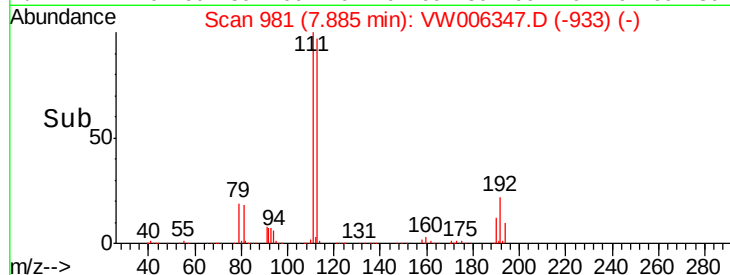
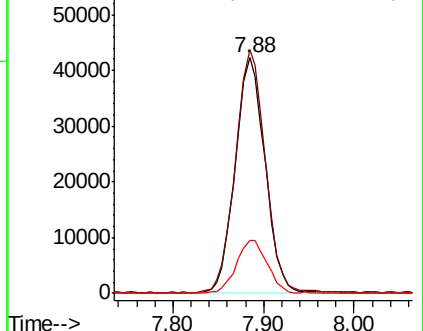
192 23.1 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006347.D

Acq: 25 Oct 2018 05:47

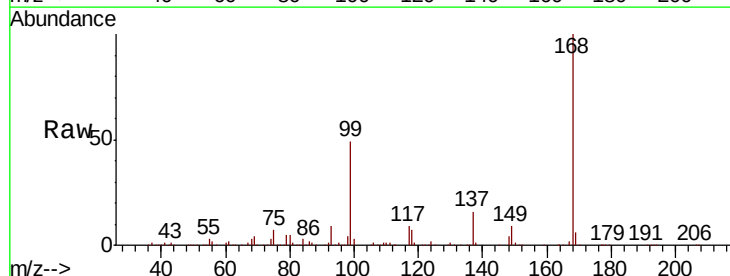
Tgt Ion: 75 Resp: 14655

Ion Ratio Lower Upper

75 100

110 11.2 19.1 57.1#

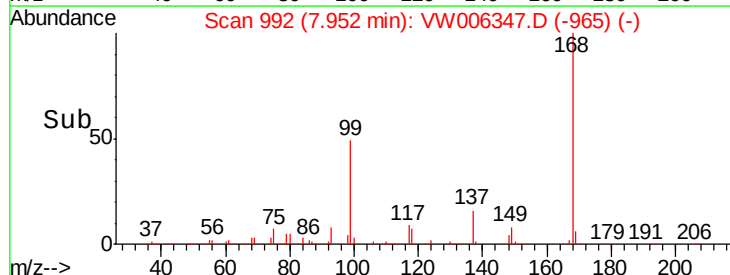
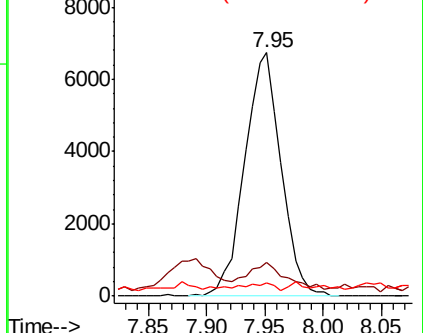
77 2.6 25.0 37.4#

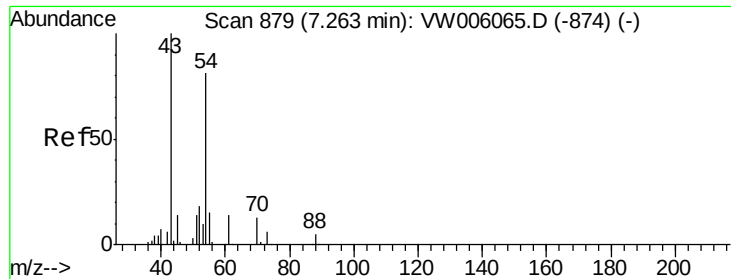


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

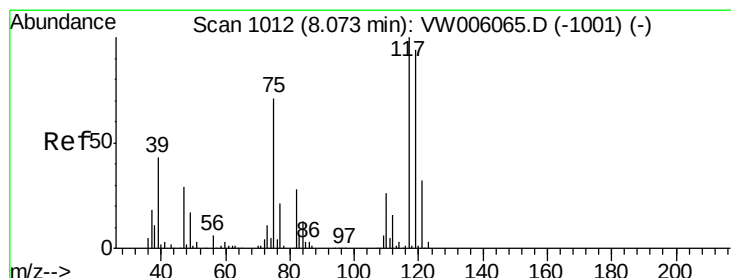
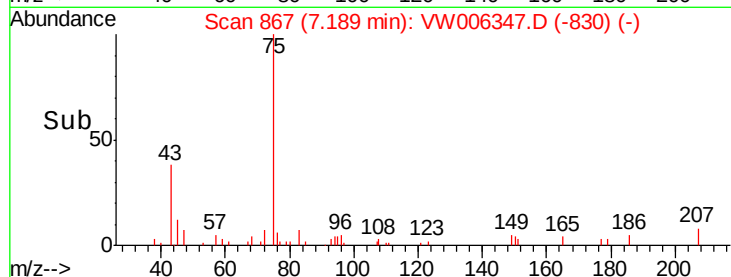
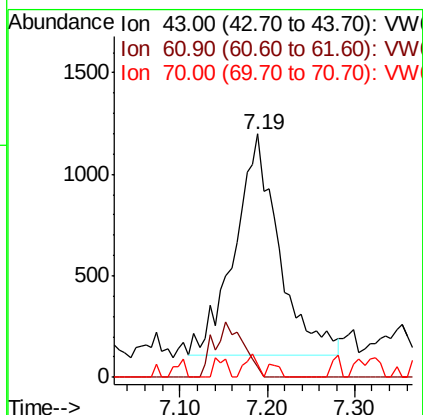
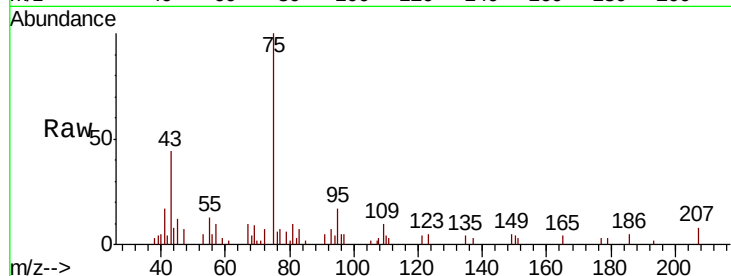




#37
Ethyl Acetate
Concen: 3.396 ug/l
RT: 7.19 min Scan# 867
Delta R.T. -0.07 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

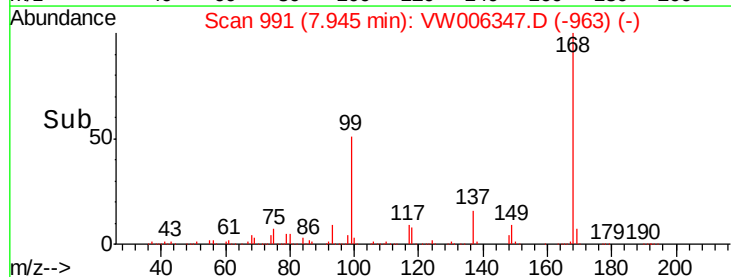
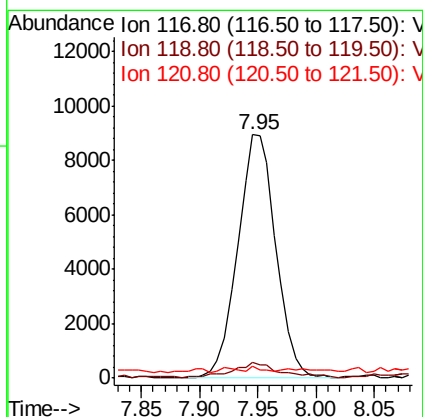
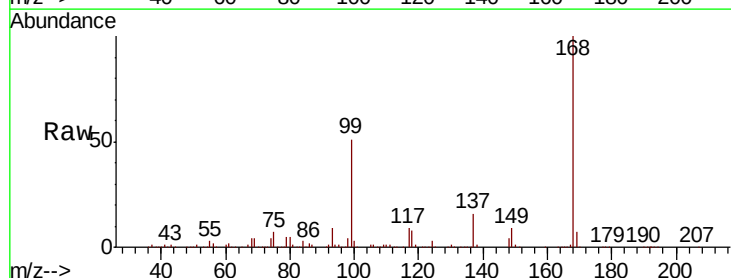
Instrument :
MSVOA_W
ClientSampleID :
VB44949

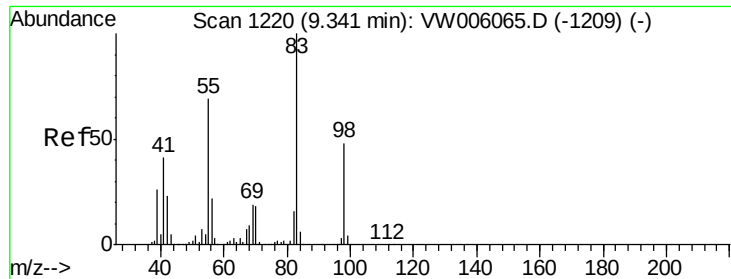
Tot Ion: 43 Resp: 3866
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 3.0 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 6.046 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

Tgt Ion: 117 Resp: 20310
Ion Ratio Lower Upper
117 100
119 6.4 75.2 112.8#
121 2.1 25.3 37.9#

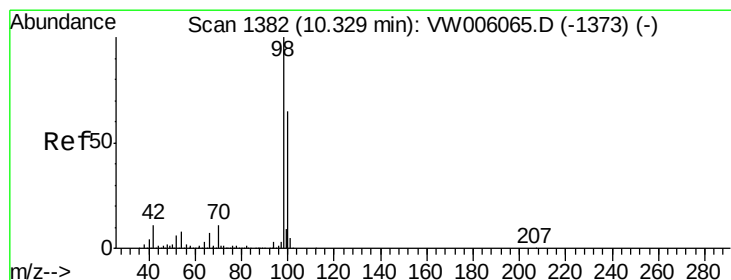
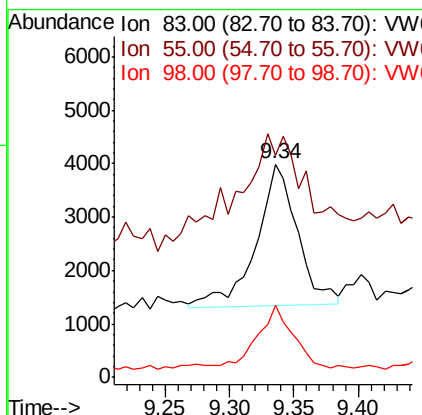
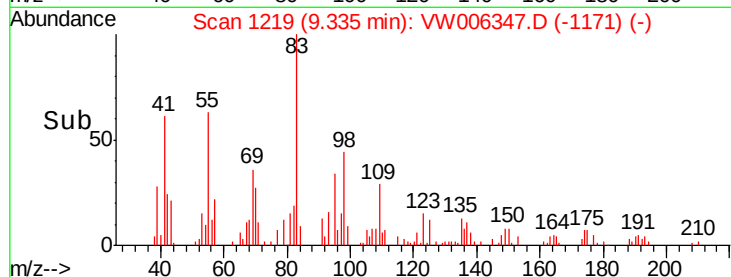
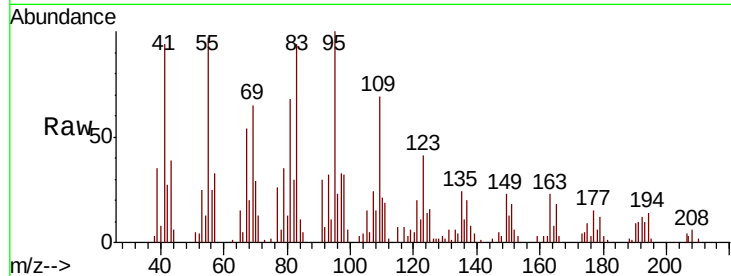




#39
Methylvlcyclohexane
Concen: 1.444 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

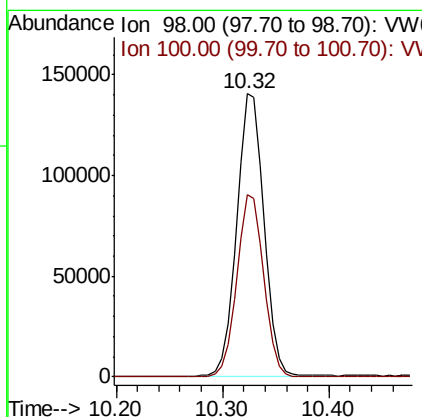
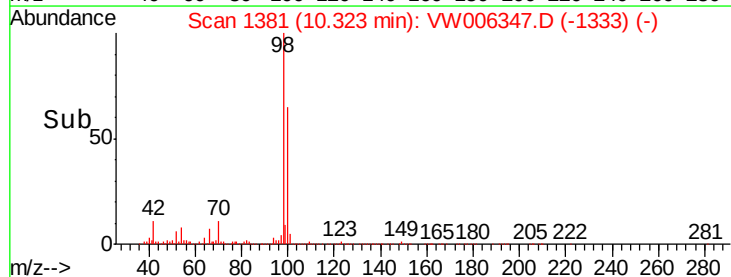
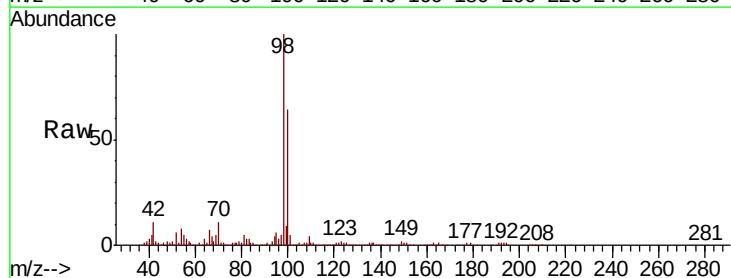
Instrument :
MSVOA_W
ClientSampleId :
VB44949

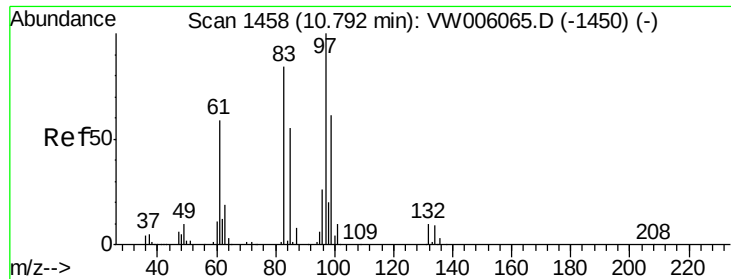
Tot Ion: 83 Resp: 5882
Ion Ratio Lower Upper
83 100
55 43.3 55.0 82.6#
98 43.2 38.6 57.8



#50
Toluene-d8
Concen: 33.599 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006347.D
Acq: 25 Oct 2018 05:47

Tgt Ion: 98 Resp: 251128
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

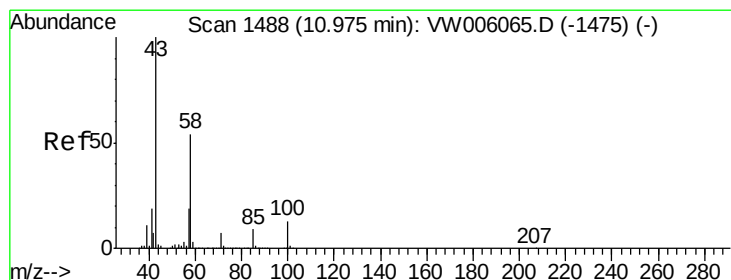
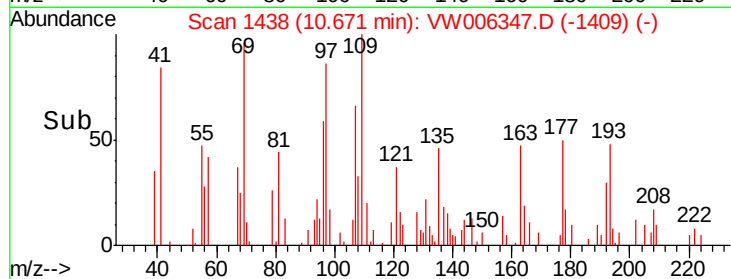
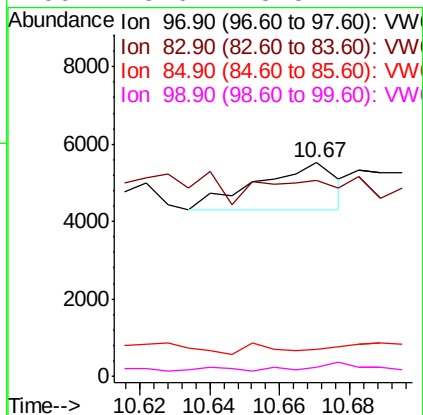
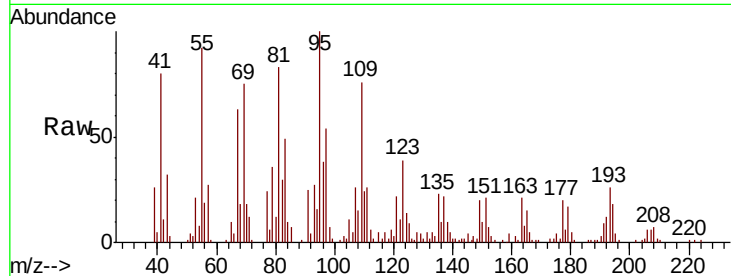




#55
 1,1,2-Trichloroethane
 Concen: 1.188 ug/l
 RT: 10.67 min Scan# 1438
 Delta R.T. -0.12 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

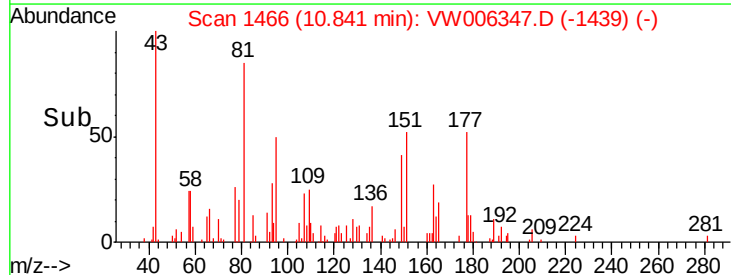
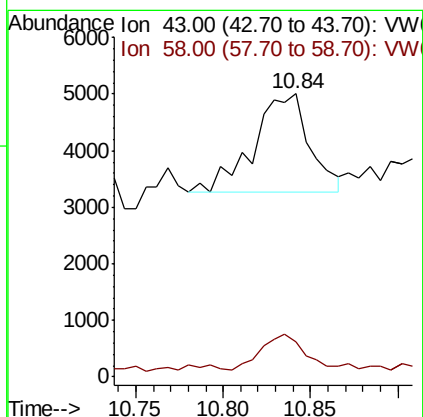
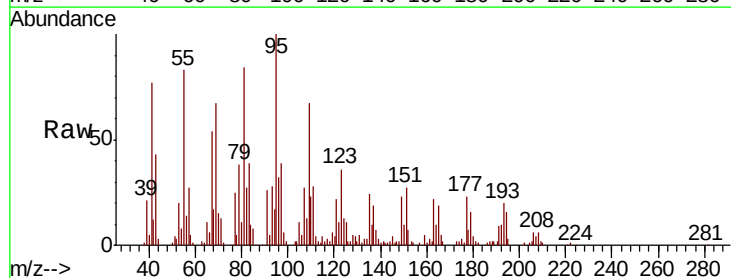
Instrument :
 MSVOA_W
 ClientSampled :
 VB44949

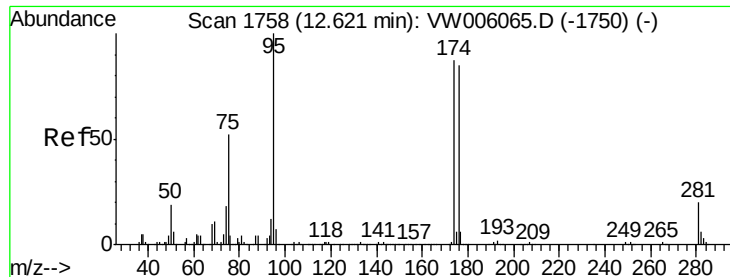
Tot Ion: 97 Resp: 1906
 Ion Ratio Lower Upper
 97 100
 83 17.6 67.2 100.8#
 85 0.0 43.7 65.5#
 99 5.6 48.5 72.7#



#59
 2-Hexanone
 Concen: 4.678 ug/l
 RT: 10.84 min Scan# 1466
 Delta R.T. -0.13 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

Tgt Ion: 43 Resp: 3895
 Ion Ratio Lower Upper
 43 100
 58 29.3 26.9 80.6





#62

4-Bromofluorobenzene

Concen: 37.898 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006347.D

Acq: 25 Oct 2018 05:47

Instrument :

MSVOA_W

ClientSampleId :

VB44949

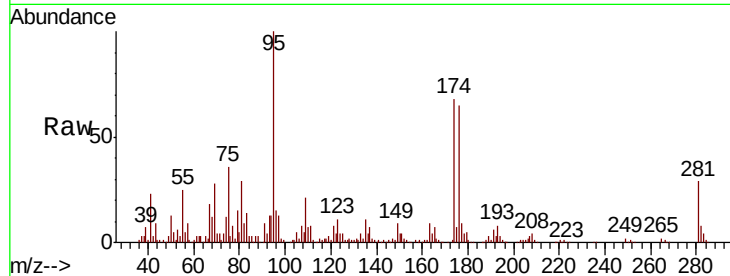
Tot Ion: 95 Resp: 106387

Ion Ratio Lower Upper

95 100

174 82.0 0.0 186.0

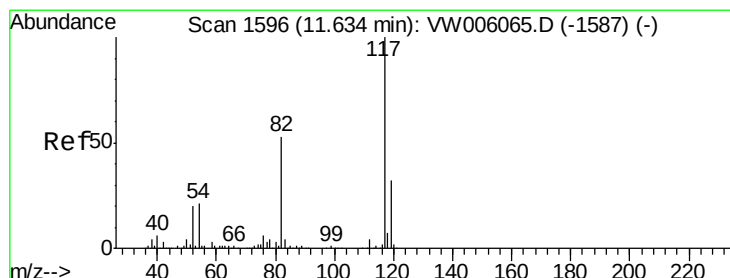
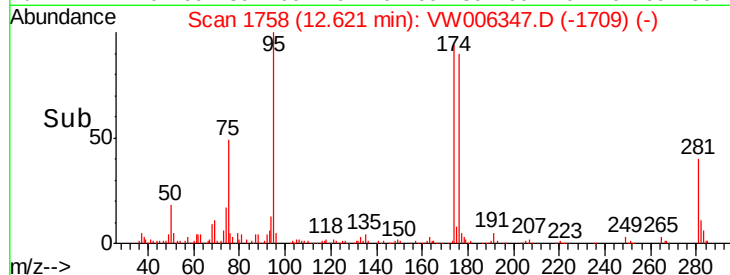
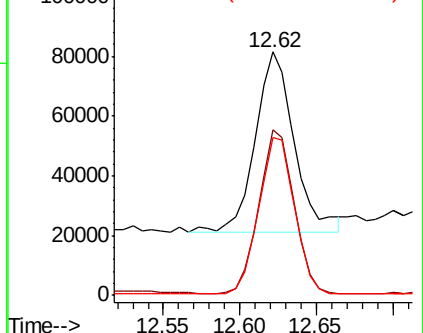
176 80.8 0.0 181.6



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: VW006347.D

Acq: 25 Oct 2018 05:47

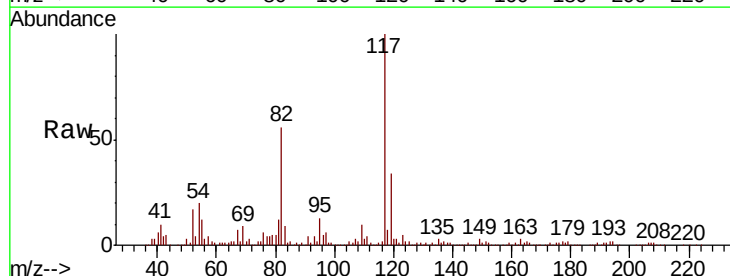
Tgt Ion: 117 Resp: 235349

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

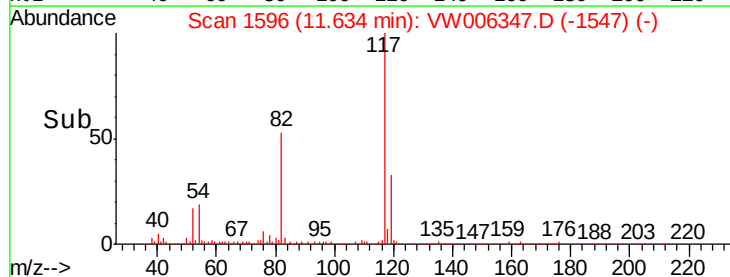
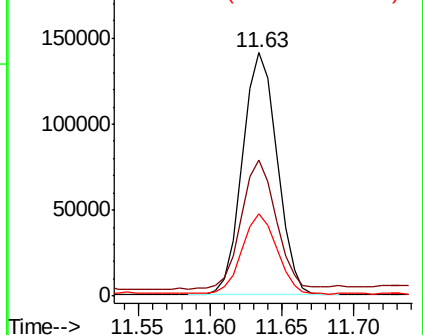
119 32.8 25.8 38.6

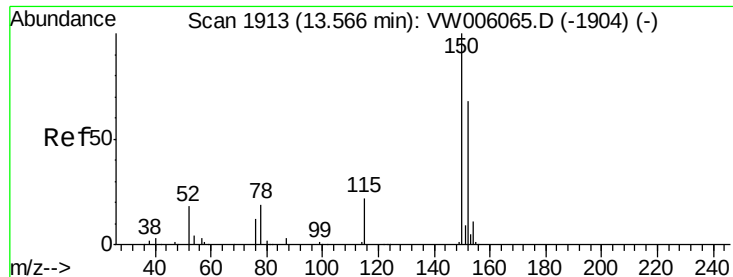


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW006347.D

Acq: 25 Oct 2018 05:47

Instrument :

MSVOA_W

ClientSampleId :

VB44949

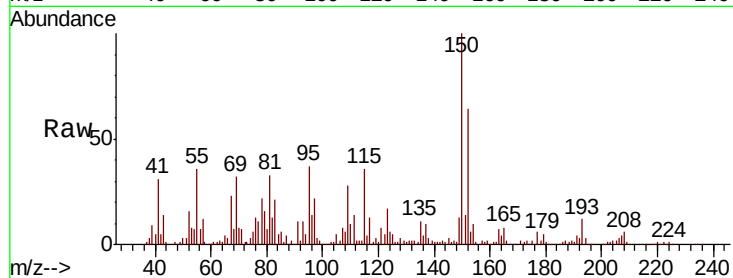
Tot Ion:152 Resp: 93476

Ion Ratio Lower Upper

152 100

115 51.9 27.8 83.3

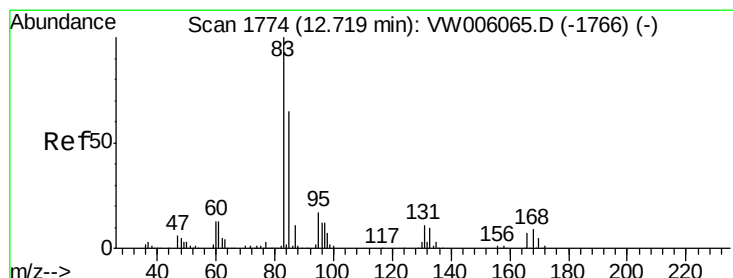
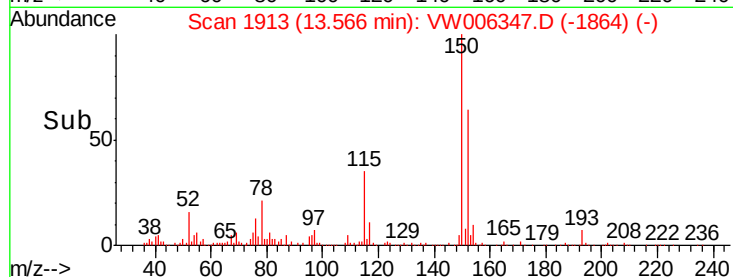
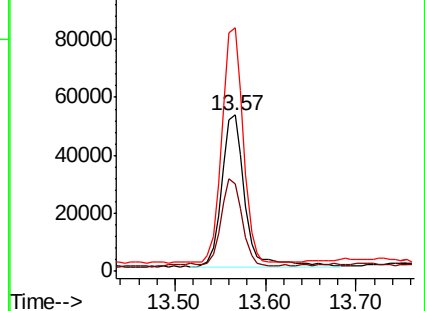
150 140.1 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 10.867 ug/l

RT: 12.69 min Scan# 1770

Delta R.T. -0.02 min

Lab File: VW006347.D

Acq: 25 Oct 2018 05:47

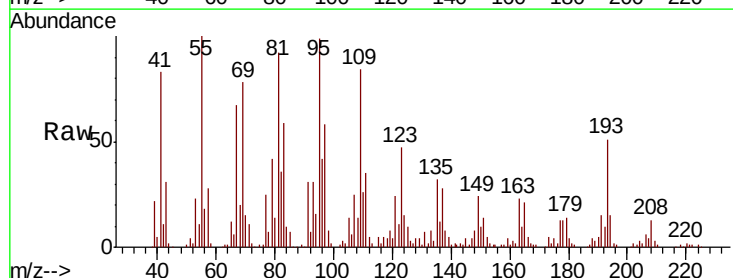
Tgt Ion: 83 Resp: 10915

Ion Ratio Lower Upper

83 100

131 0.0 5.9 17.7#

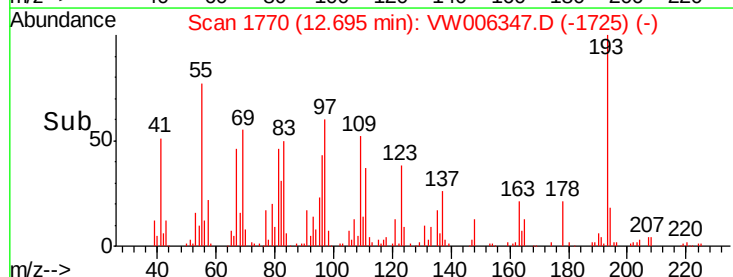
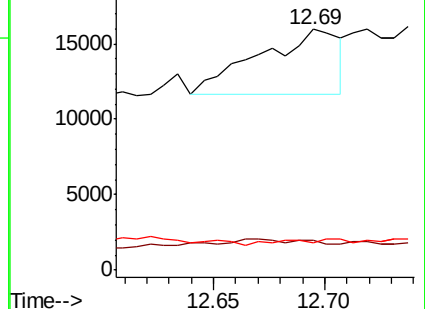
85 2.4 31.9 95.9#

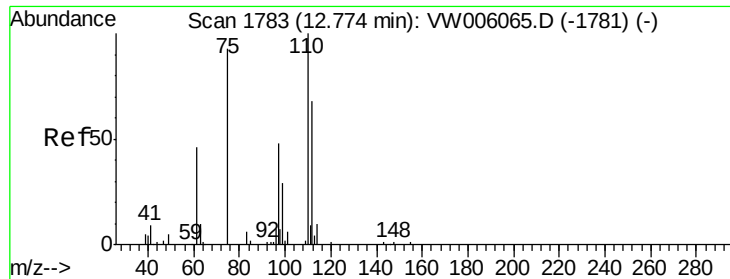


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

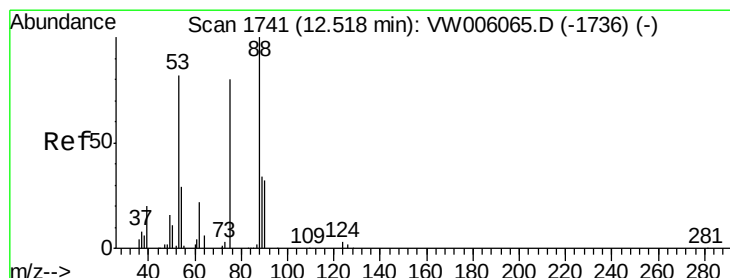
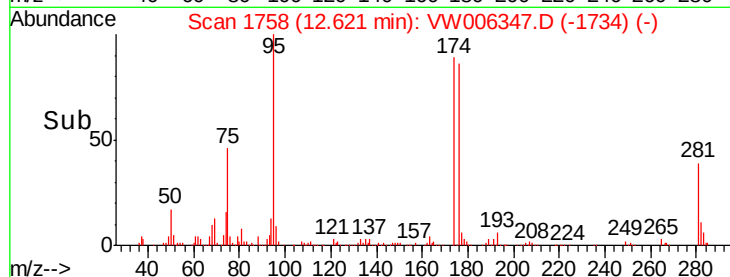
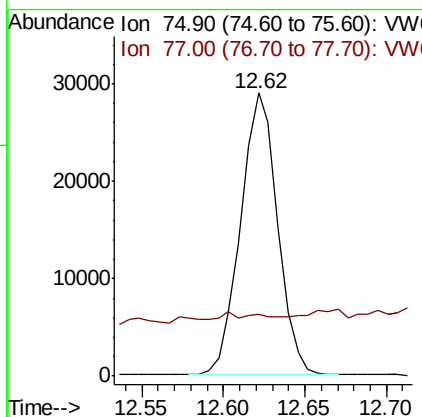
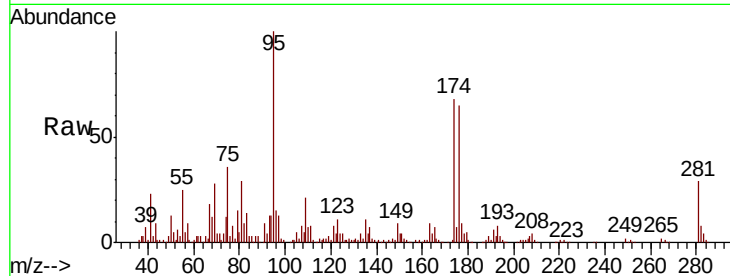




#76
 1,2,3-Trichloropropane
 Concen: 64.084 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

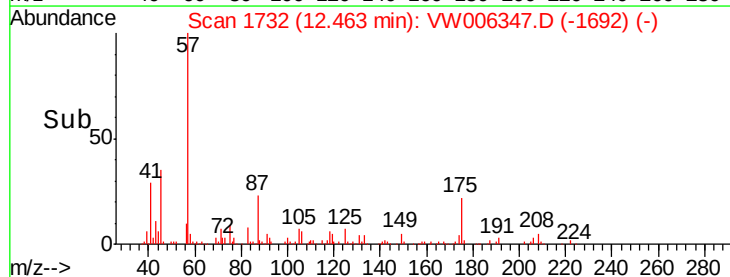
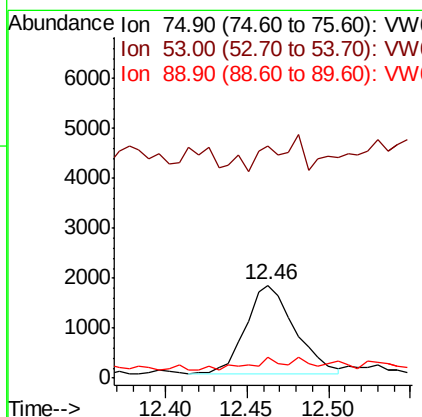
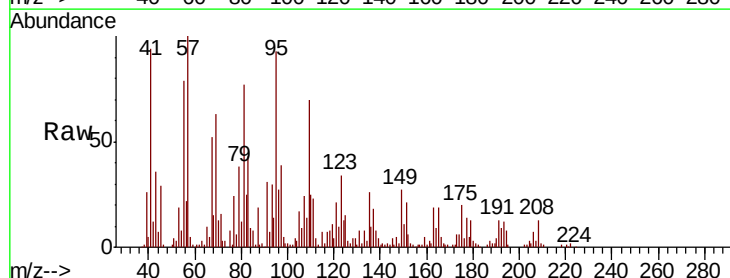
Instrument :
 MSVOA_W
 ClientSampled :
 VB44949

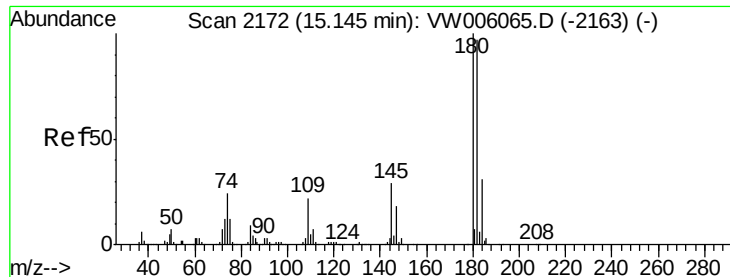
Tot Ion: 75 Resp: 45754
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 12.384 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.05 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

Tgt Ion: 75 Resp: 3699
 Ion Ratio Lower Upper
 75 100
 53 10.1 79.8 119.6#
 89 9.1 37.5 56.3#

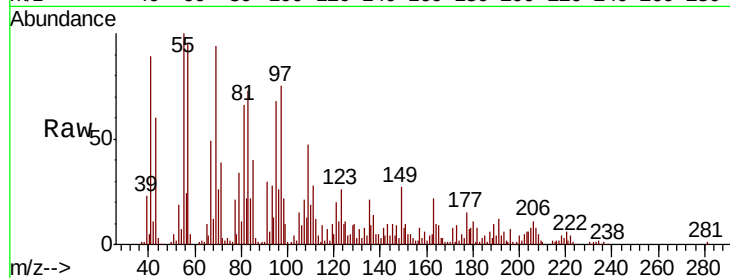




#93
 1,2,4-Trichlorobenzene
 Concen: 1.977 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW006347.D
 Acq: 25 Oct 2018 05:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VB44949

Tot Ion:180 Resp: 4367
 Ion Ratio Lower Upper
 180 100
 182 61.9 47.9 143.6
 145 119.6 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

