

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003643.D
 Acq On : 28 Jun 2018 17:16
 Operator : SY/AP
 Sample : J3048-15RE
 Misc : 5.80G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:45:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	144851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	213316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	78825	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	100347	63.96	ug/l	0.00
Spiked Amount			Recovery	=	127.92%	
35) Dibromofluoromethane	7.88	113	84995	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
50) Toluene-d8	10.33	98	311996	51.66	ug/l	0.00
Spiked Amount			Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.62	95	101146	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

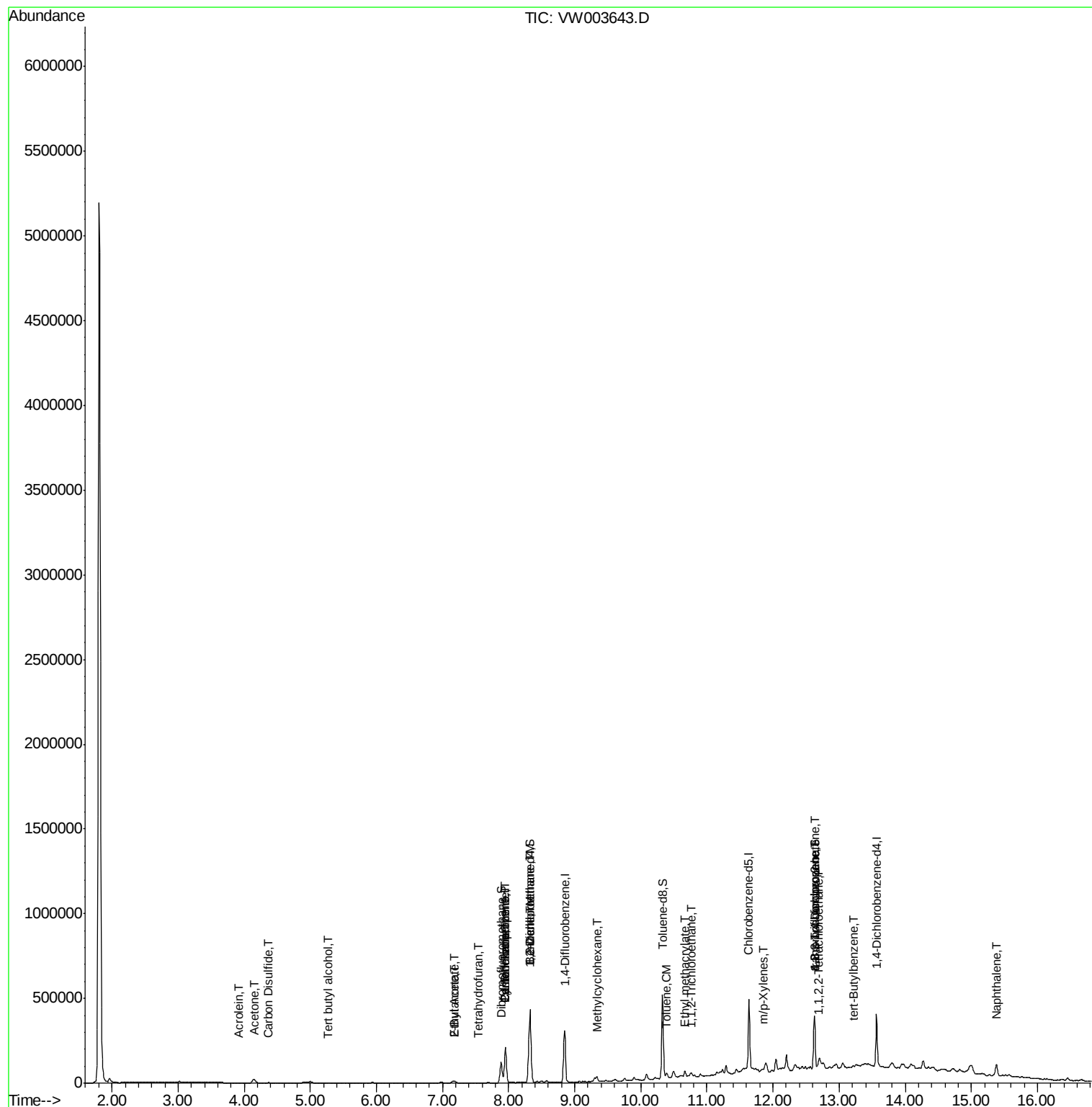
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.28	59	232	2.757	ug/l #	84
13) Acrolein	3.91	56	253	2.103	ug/l #	54
16) Acetone	4.15	43	46009	139.820	ug/l	97
17) Carbon Disulfide	4.37	76	6070	1.566	ug/l #	86
25) 2-Butanone	7.18	43	9854	24.083	ug/l #	88
29) Tetrahydrofuran	7.54	42	596	2.383	ug/l #	57
31) Cyclohexane	7.95	56	7683	3.030	ug/l #	58
36) 1,1-Dichloropropene	7.95	75	12132	5.125	ug/l #	51
37) Ethyl Acetate	7.18	43	9854	10.048	ug/l #	69
38) Carbon Tetrachloride	7.95	117	15095	6.501	ug/l #	17
39) Methylcyclohexane	9.34	83	12709	4.640	ug/l	91
40) Benzene	8.33	78	357448	54.780	ug/l	100
42) 1,2-Dichloroethane	8.33	62	3452	1.689	ug/l #	76
52) Toluene	10.40	92	10925	2.611	ug/l	92
55) 1,1,2-Trichloroethane	10.76	97	7968	6.648	ug/l #	22
56) Ethyl methacrylate	10.67	69	3799	2.610	ug/l #	10
68) m/p-Xylenes	11.84	106	5338	1.783	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.69	83	2361	2.545	ug/l #	36
76) 1,2,3-Trichloropropane	12.62	75	53722	79.723	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53722	183.446	ug/l #	9
83) tert-Butylbenzene	13.21	119	5977	1.524	ug/l	85
95) Naphthalene	15.38	128	48916	17.878	ug/l	98

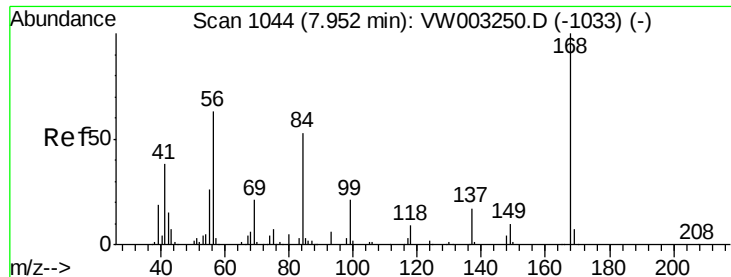
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

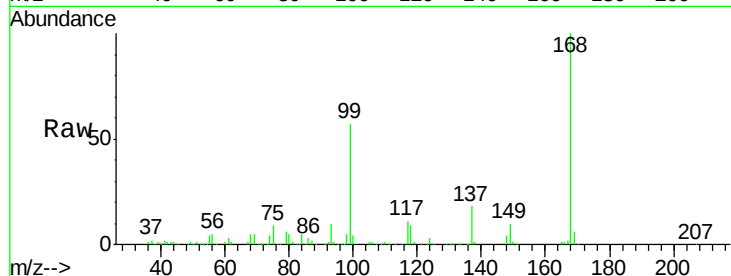
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 144851

Ion Ratio Lower Upper

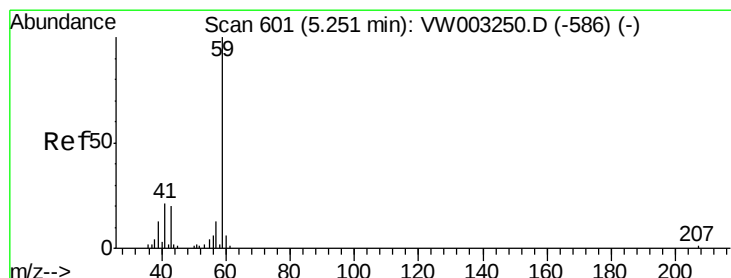
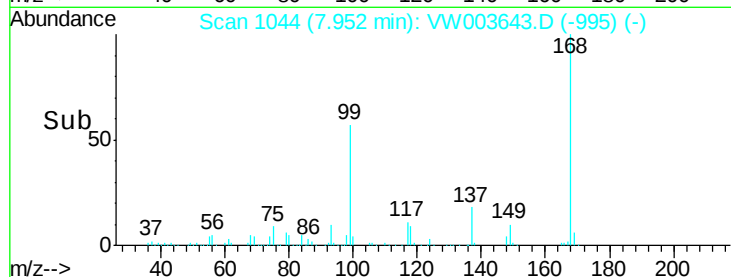
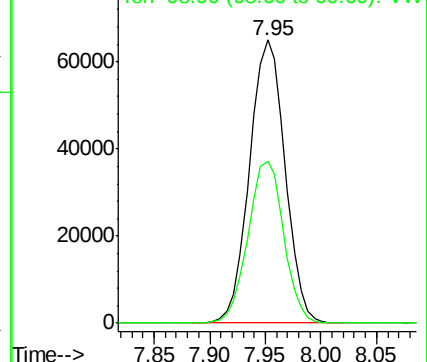
168 100

99 57.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.757 ug/l

RT: 5.28 min Scan# 605

Delta R.T. 0.02 min

Lab File: VW003643.D

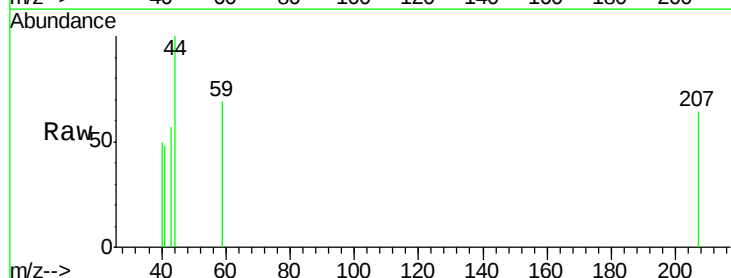
Acq: 28 Jun 2018 17:16

Tgt Ion: 59 Resp: 232

Ion Ratio Lower Upper

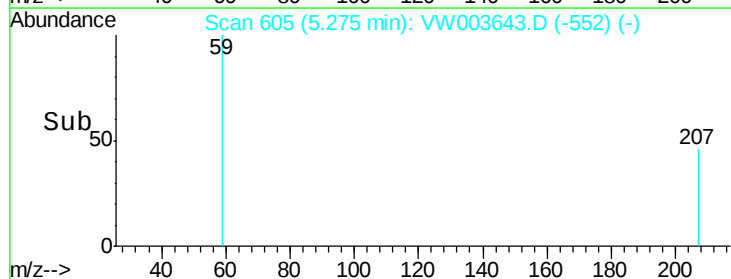
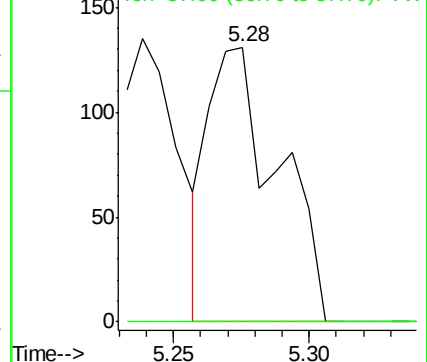
59 100

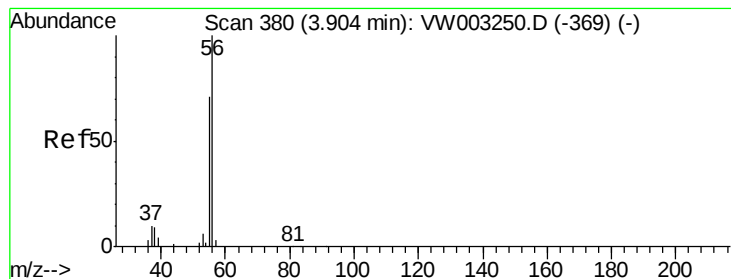
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.103 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.01 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

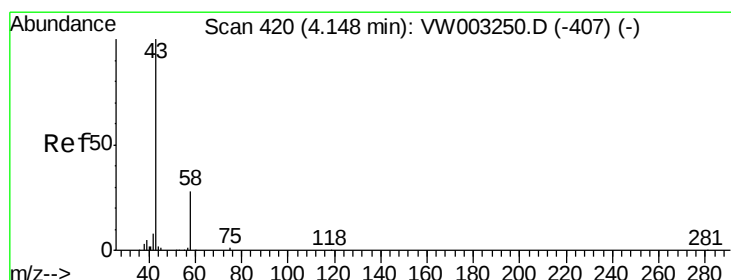
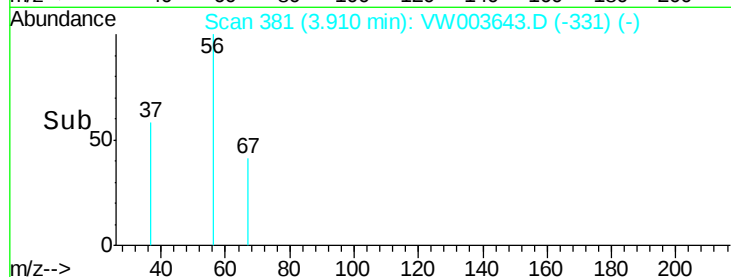
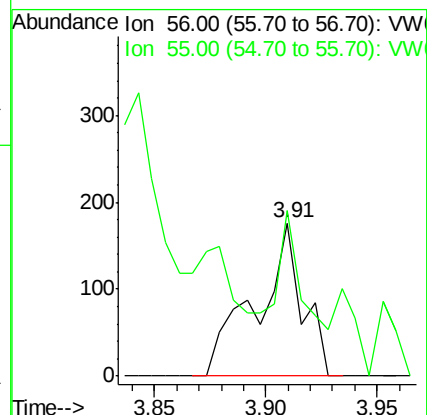
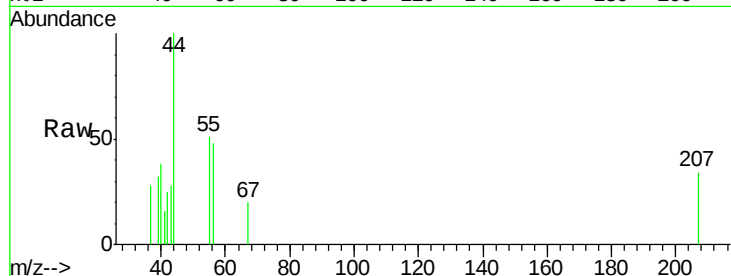
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 31.6 55.4 83.2#



#16

Acetone

Concen: 139.820 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003643.D

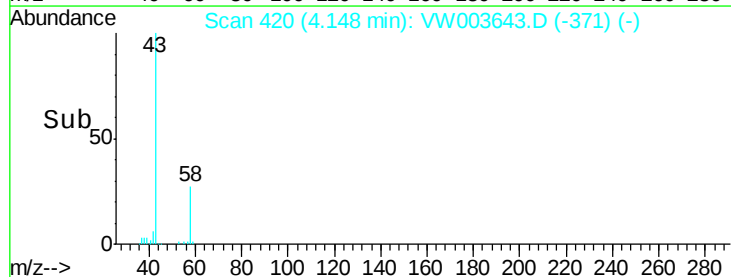
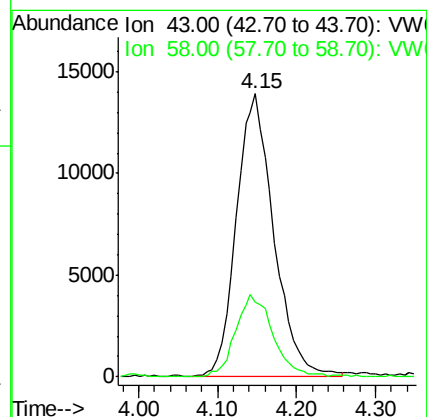
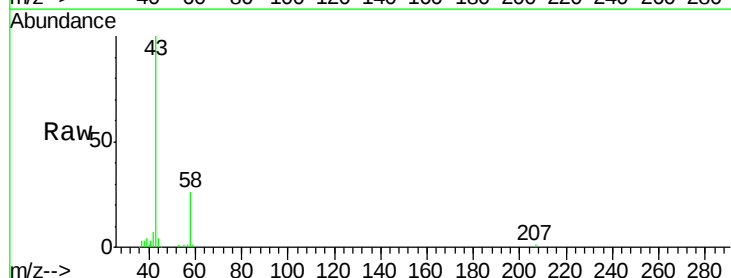
Acq: 28 Jun 2018 17:16

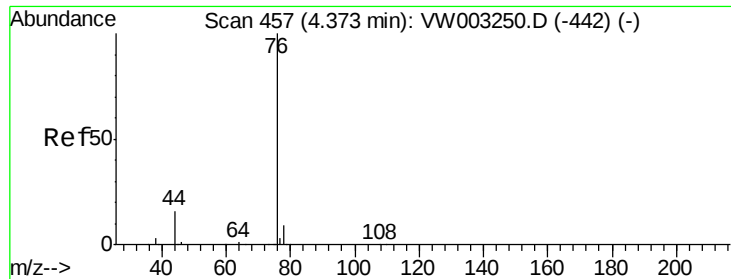
Tgt Ion: 43 Resp: 46009

Ion Ratio Lower Upper

43 100

58 26.5 22.6 34.0





#17

Carbon Disulfide

Concen: 1.566 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.01 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

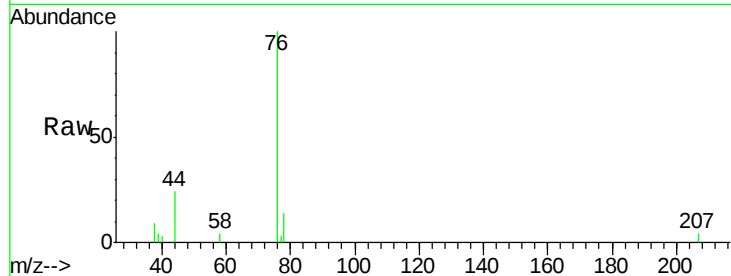
ClientSampleId :

Tot Ion: 76 Resp: 6070

Ion Ratio Lower Upper

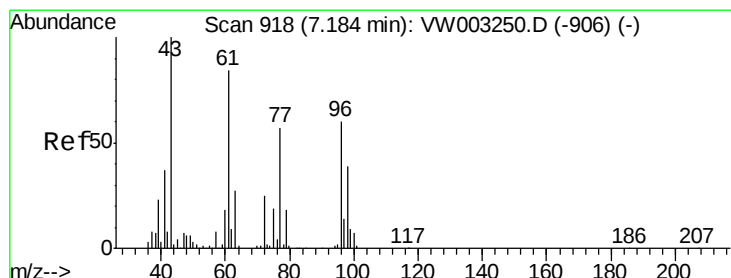
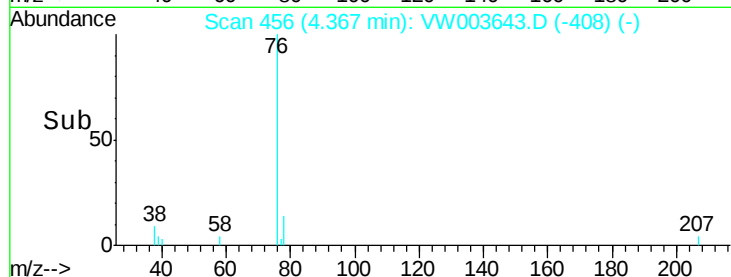
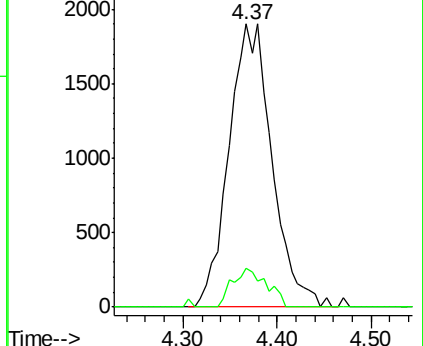
76 100

78 13.9 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 24.083 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003643.D

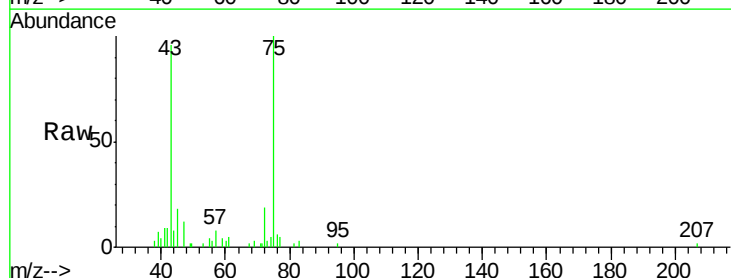
Acq: 28 Jun 2018 17:16

Tgt Ion: 43 Resp: 9854

Ion Ratio Lower Upper

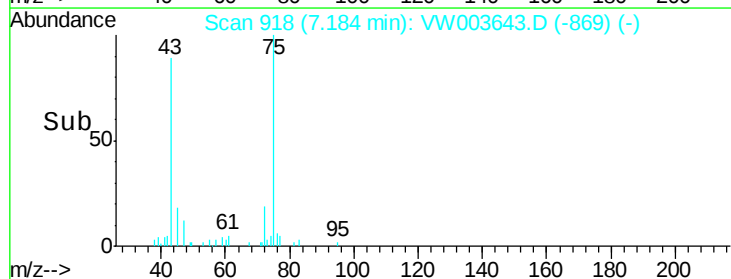
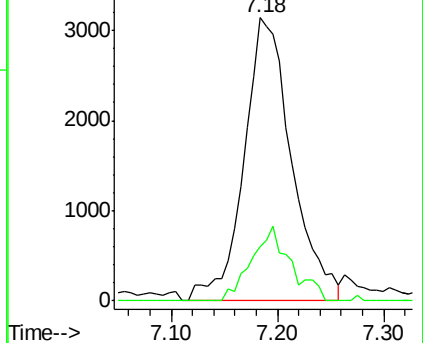
43 100

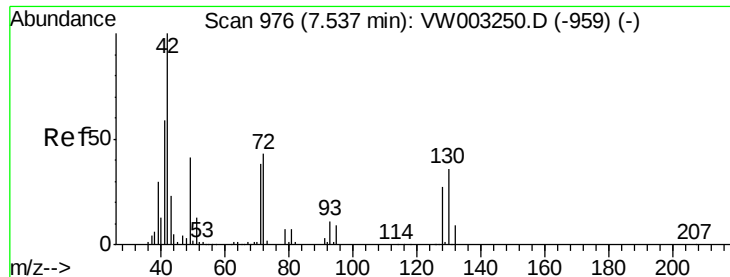
72 19.4 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

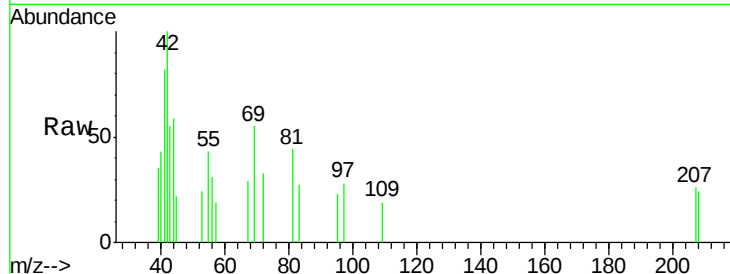




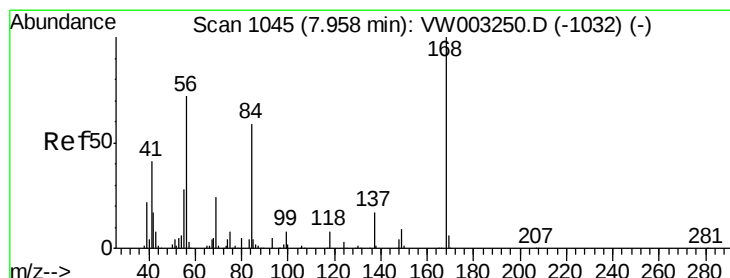
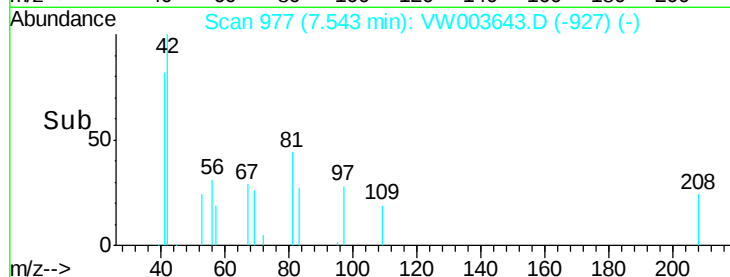
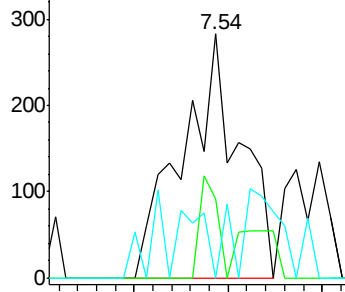
#29
Tetrahydrofuran
Concen: 2.383 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 596
Ion Ratio Lower Upper
42 100
72 12.9 32.4 48.6#
71 13.3 31.2 46.8#

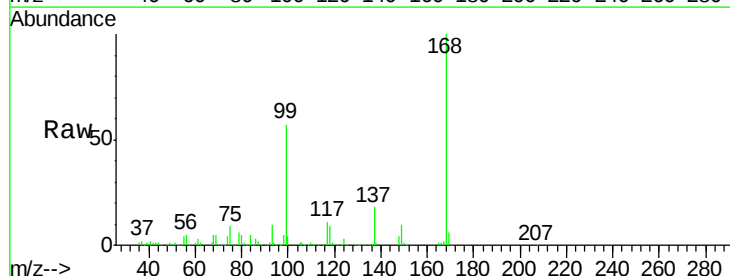


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

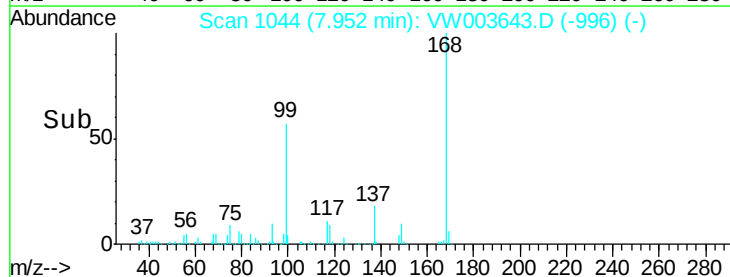
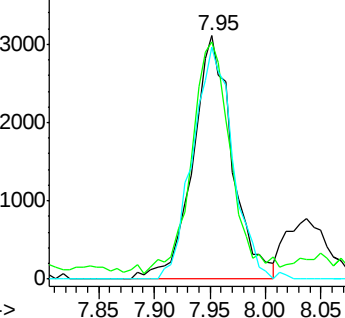


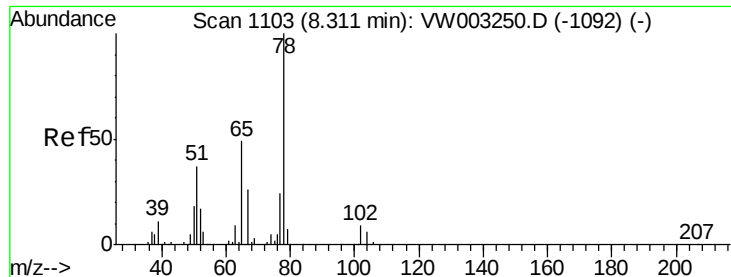
#31
Cyclohexane
Concen: 3.030 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Tgt Ion: 56 Resp: 7683
Ion Ratio Lower Upper
56 100
69 94.4 26.3 39.5#
84 95.1 65.7 98.5



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

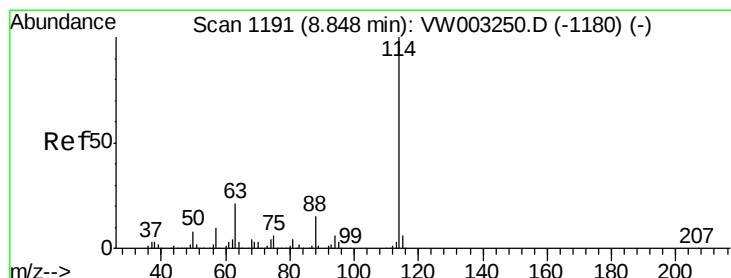
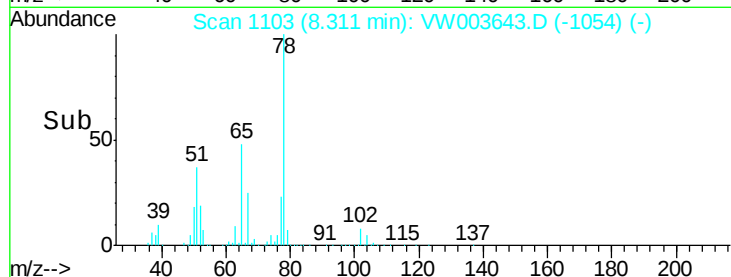
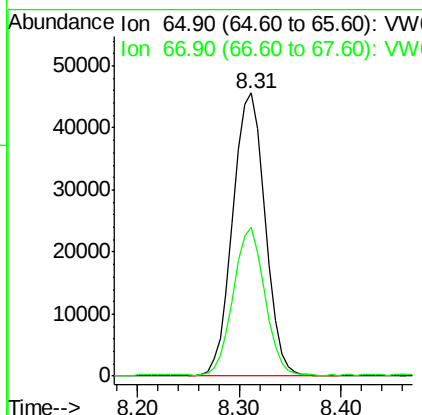
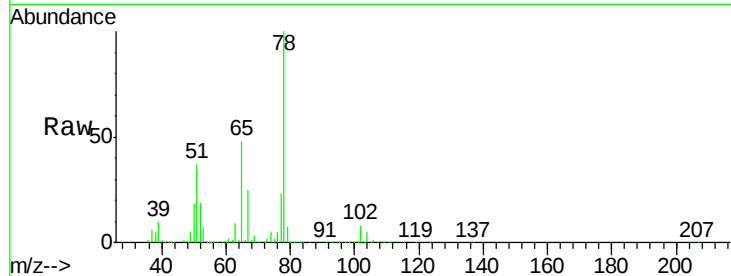




#33
 1,2-Dichloroethane-d4
 Concen: 63.958 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003643.D
 Acq: 28 Jun 2018 17:16

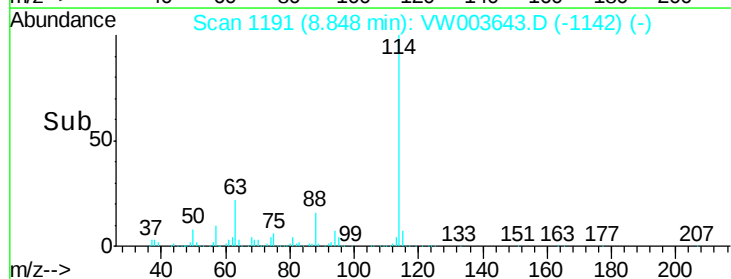
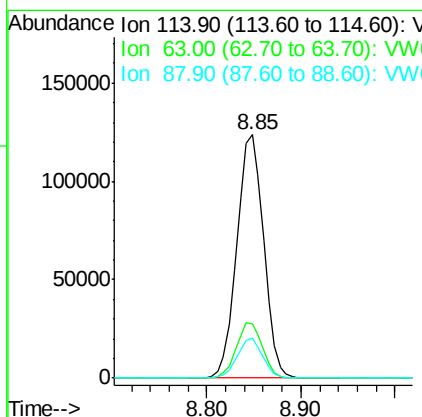
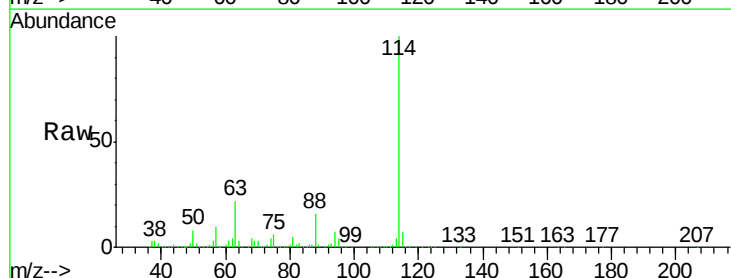
Instrument :
 MSVOA_W
 ClientSampled :

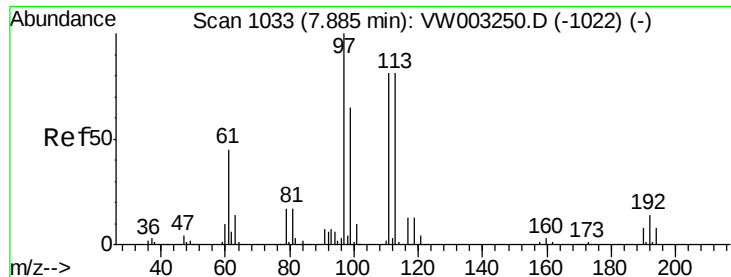
Tot Ion: 65 Resp: 100347
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003643.D
 Acq: 28 Jun 2018 17:16

Tgt Ion: 114 Resp: 245122
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.0
 88 16.3 0.0 29.6

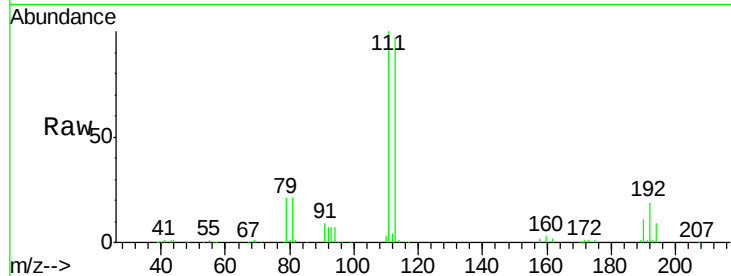




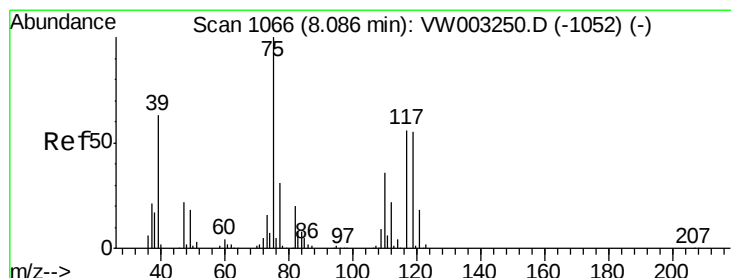
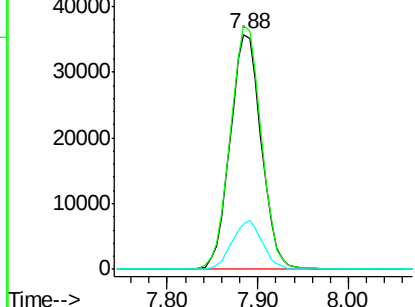
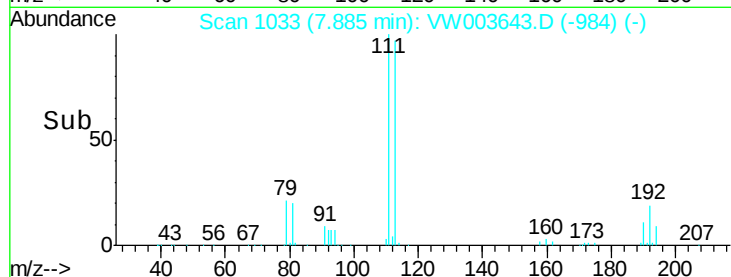
#35
 Dibromofluoromethane
 Concen: 55.803 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003643.D
 Acq: 28 Jun 2018 17:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.2
192	20.2	16.2	24.2

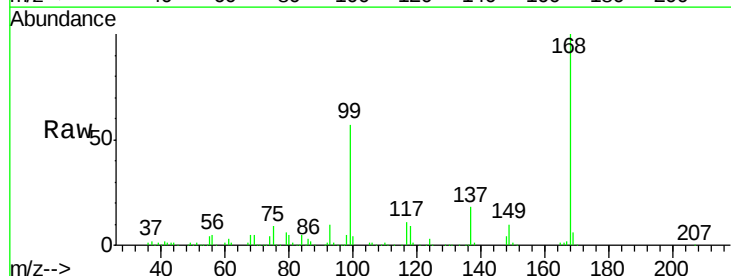


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

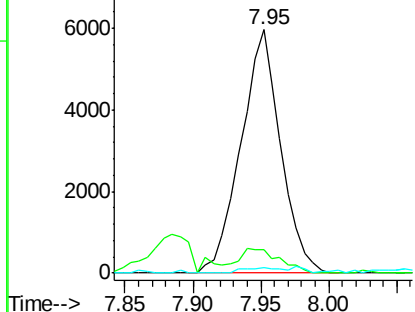
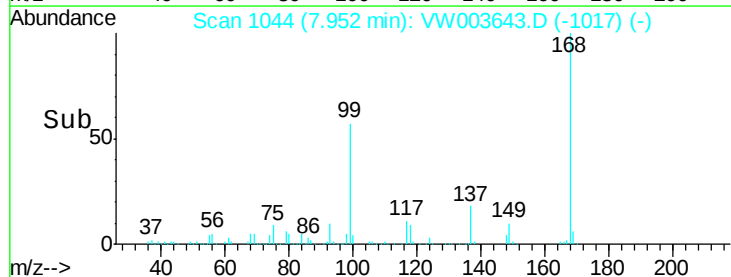


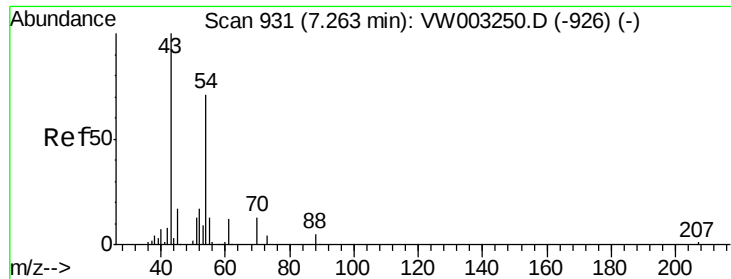
#36
 1,1-Dichloropropene
 Concen: 5.125 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003643.D
 Acq: 28 Jun 2018 17:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.5	17.1	51.3#
77	0.0	24.9	37.3#



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

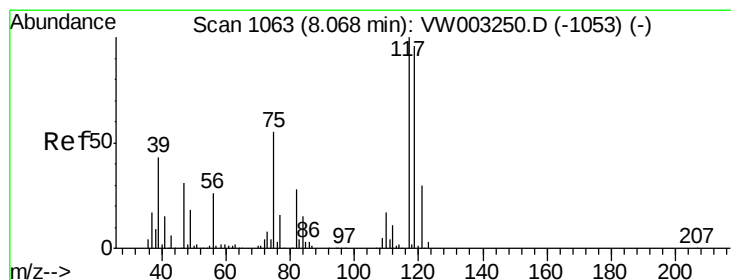
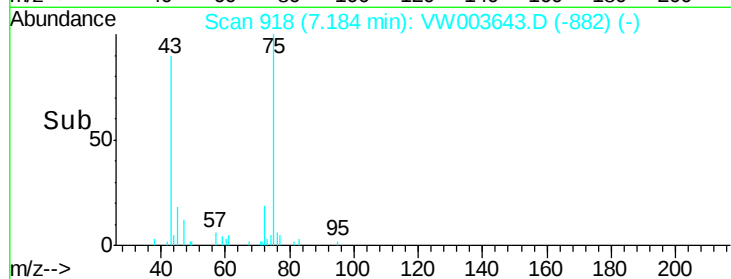
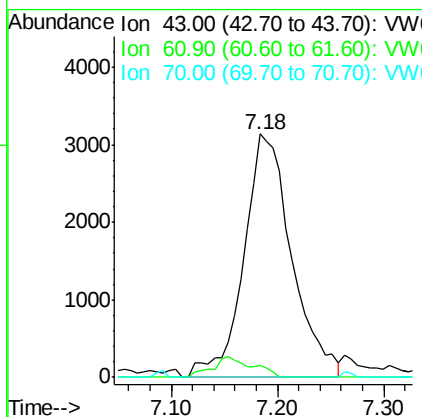
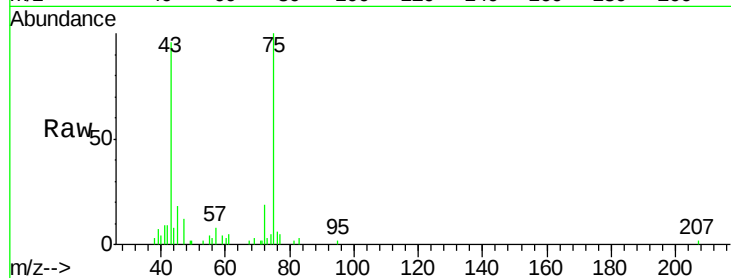




#37
Ethyl Acetate
Concen: 10.048 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.08 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

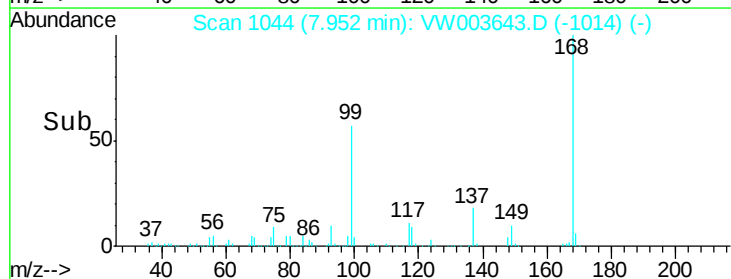
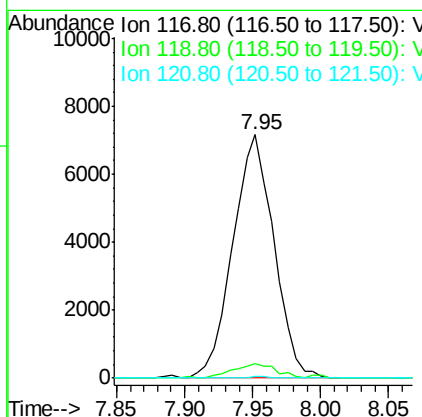
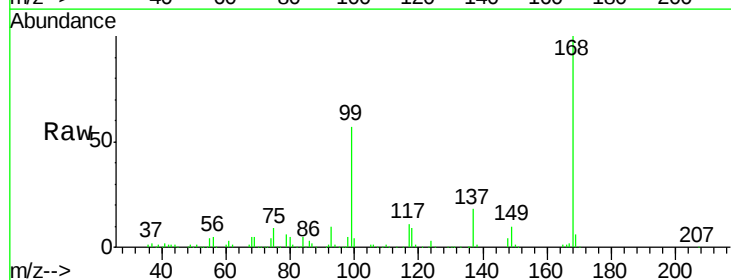
Instrument :
MSVOA_W
ClientSampleId :

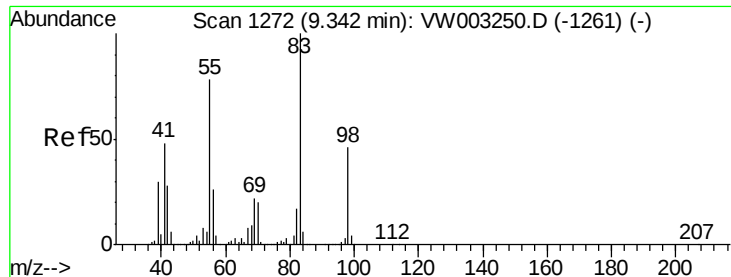
Tot Ion: 43 Resp: 9854
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 6.501 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Tgt Ion: 117 Resp: 15095
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.8 23.9 35.9#

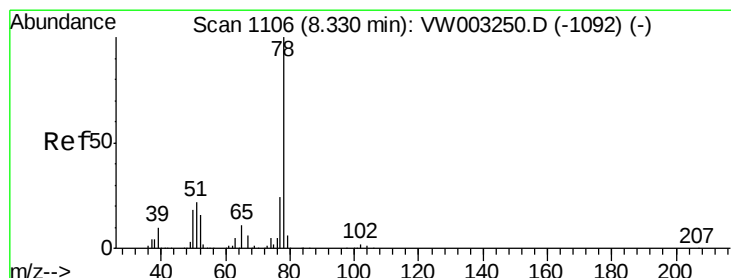
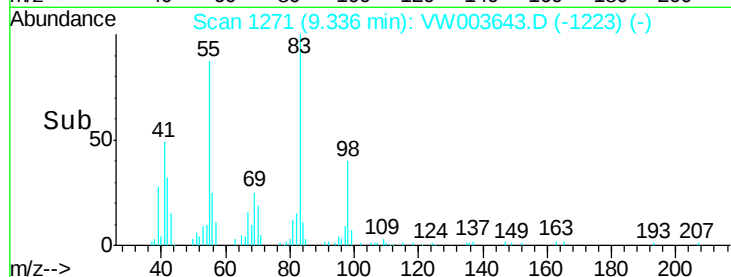
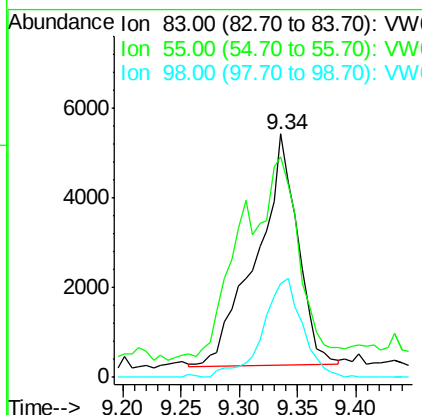
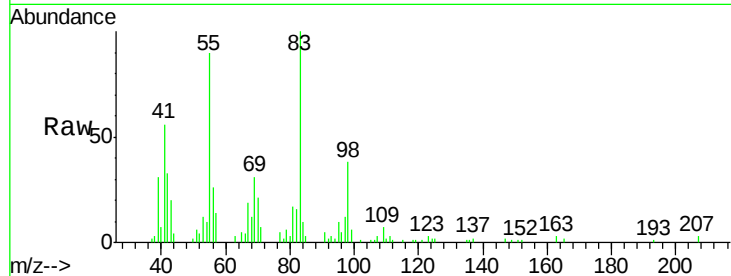




#39
Methvlcvclohexane
Concen: 4.640 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

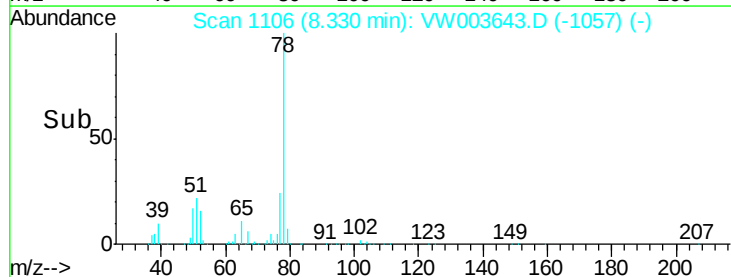
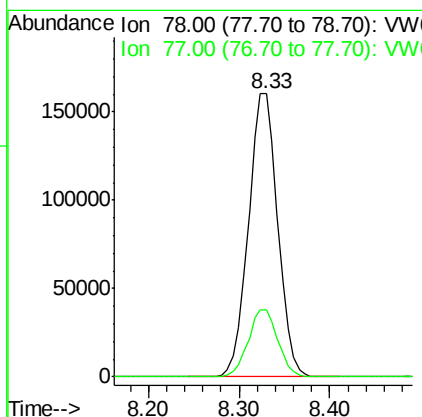
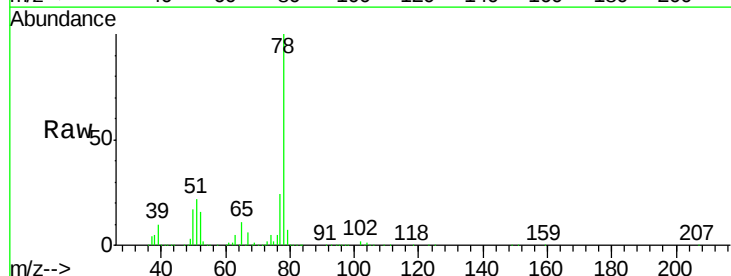
Instrument :
MSVOA_W
ClientSampled :

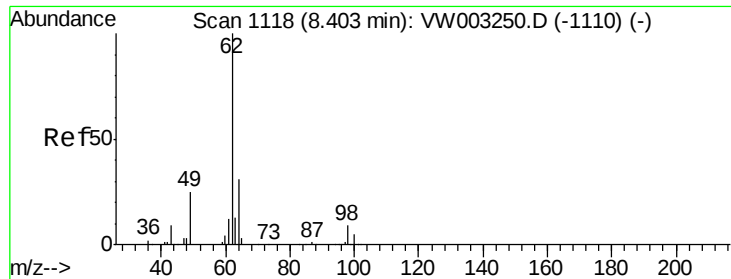
Tot Ion: 83 Resp: 12709
Ion Ratio Lower Upper
83 100
55 85.2 62.6 93.8
98 39.4 37.0 55.4



#40
Benzene
Concen: 54.780 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Tgt Ion: 78 Resp: 357448
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#42

1,2-Dichloroethane

Concen: 1.689 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. -0.07 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

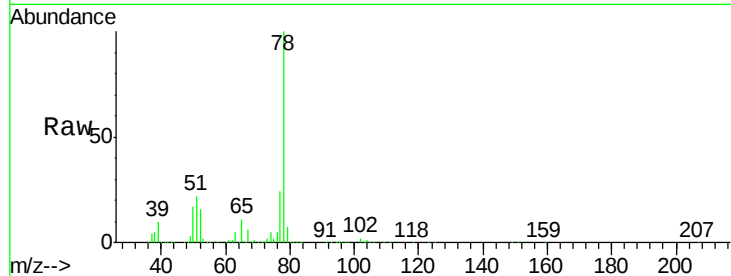
ClientSampleId :

Tot Ion: 62 Resp: 3452

Ion Ratio Lower Upper

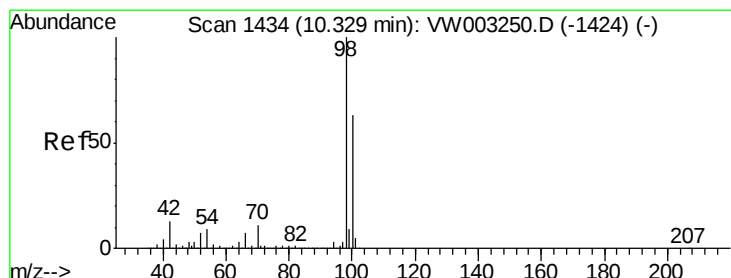
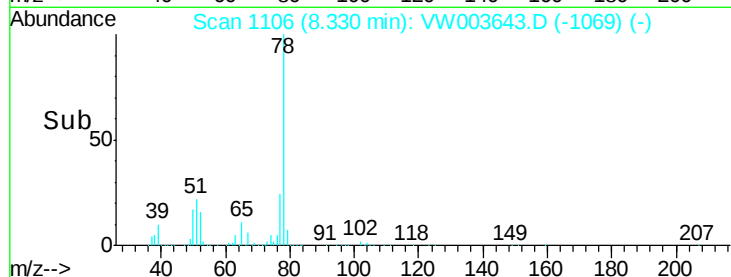
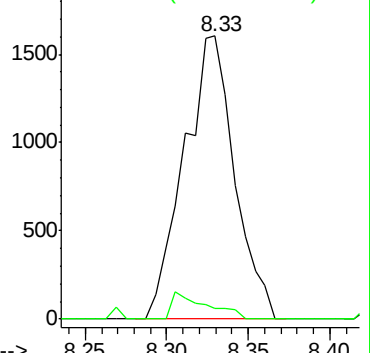
62 100

98 0.0 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#50

Toluene-d8

Concen: 51.659 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003643.D

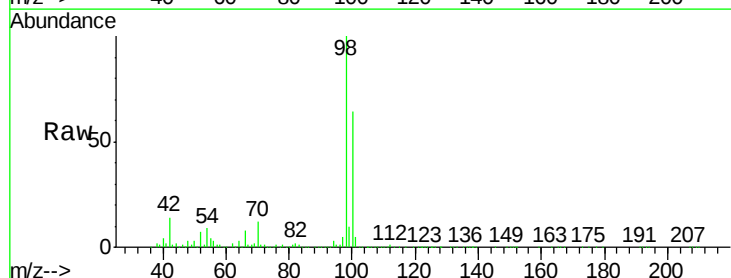
Acq: 28 Jun 2018 17:16

Tgt Ion: 98 Resp: 311996

Ion Ratio Lower Upper

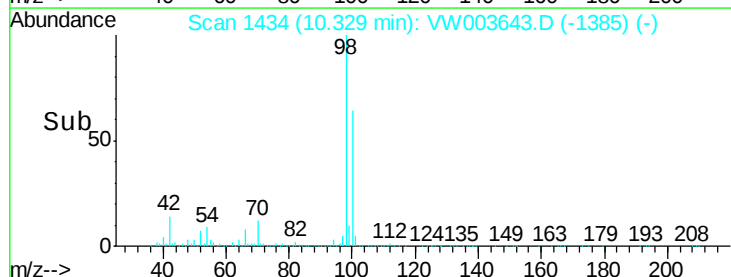
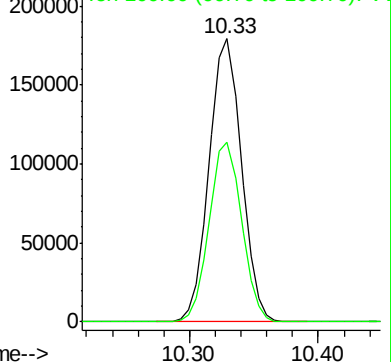
98 100

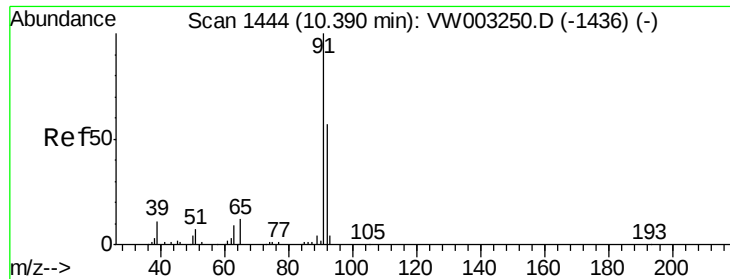
100 63.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.611 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

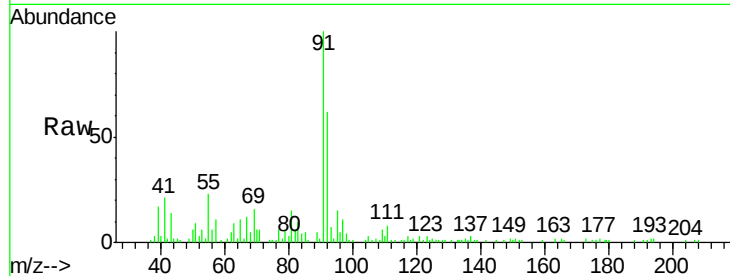
ClientSampled :

Tot Ion: 92 Resp: 10925

Ion Ratio Lower Upper

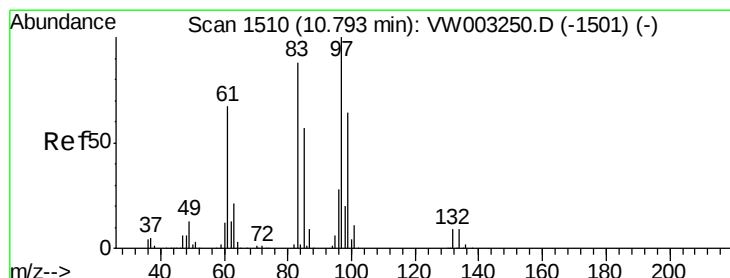
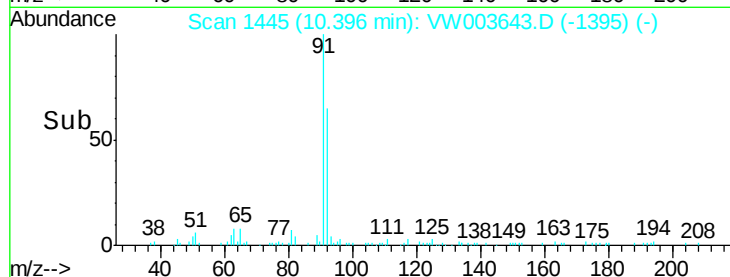
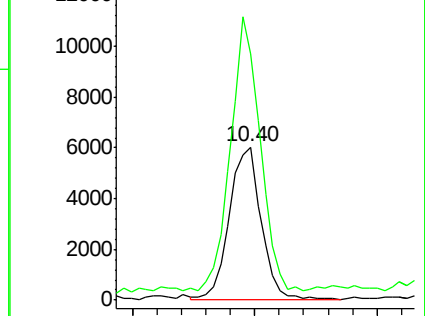
92 100

91 164.7 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 6.648 ug/l

RT: 10.76 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Tgt Ion: 97 Resp: 7968

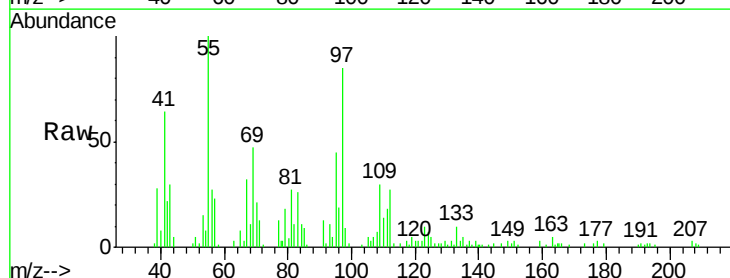
Ion Ratio Lower Upper

97 100

83 13.2 70.2 105.2#

85 3.2 45.6 68.4#

99 1.2 51.2 76.8#

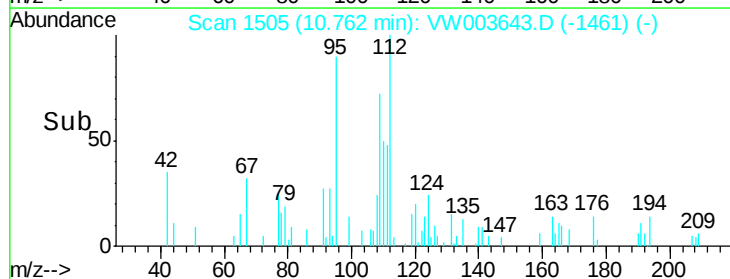
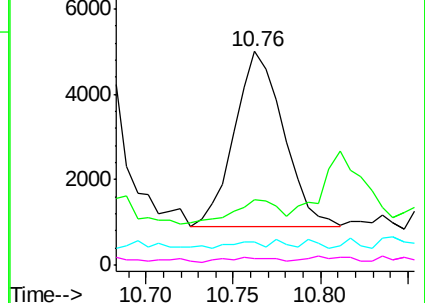


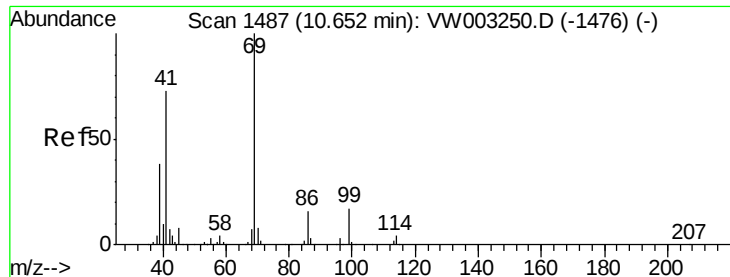
Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 2.610 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. 0.02 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

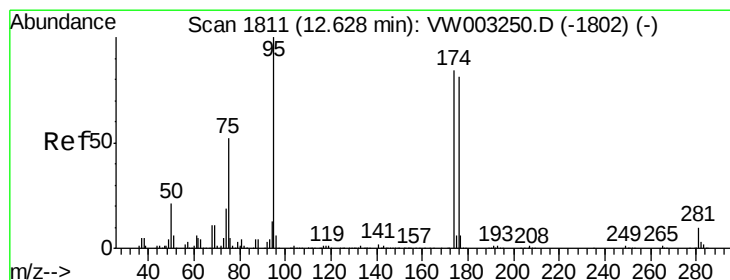
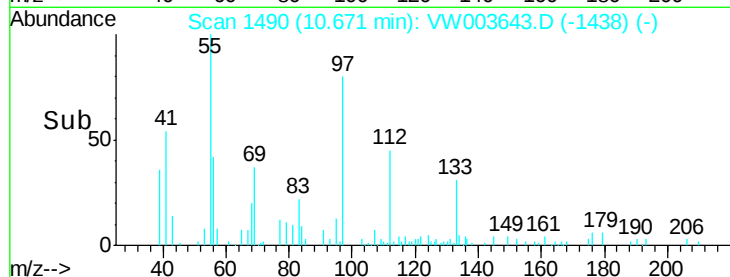
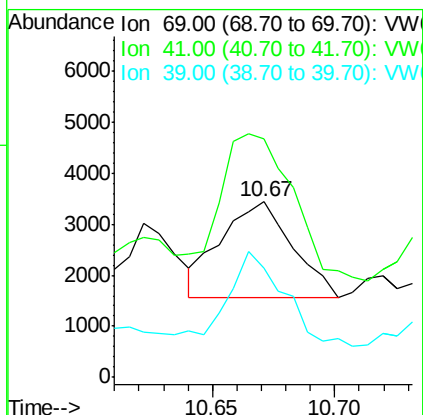
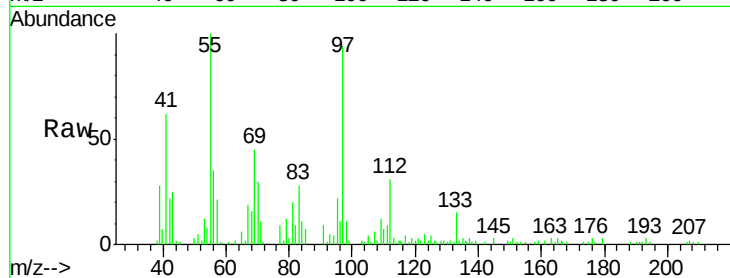
Tot Ion: 69 Resp: 3799

Ion Ratio Lower Upper

69 100

41 159.1 57.8 86.6#

39 80.7 32.7 49.1#



#62

4-Bromofluorobenzene

Concen: 47.324 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

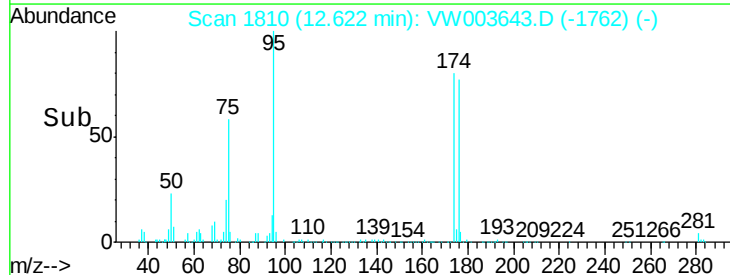
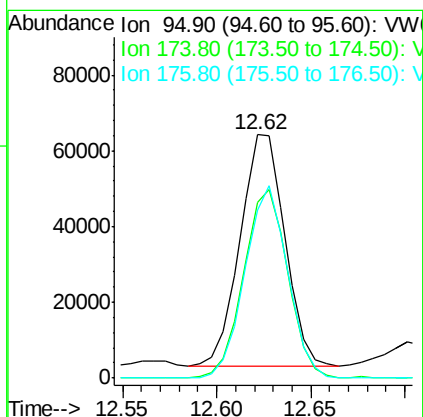
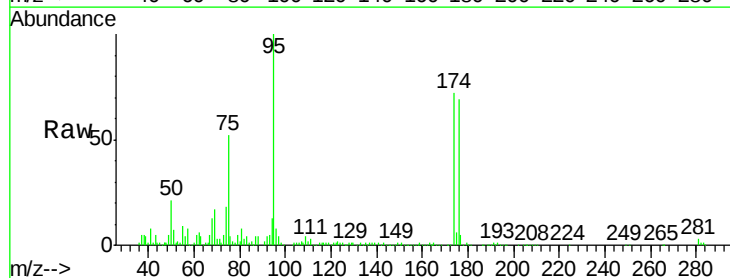
Tgt Ion: 95 Resp: 101146

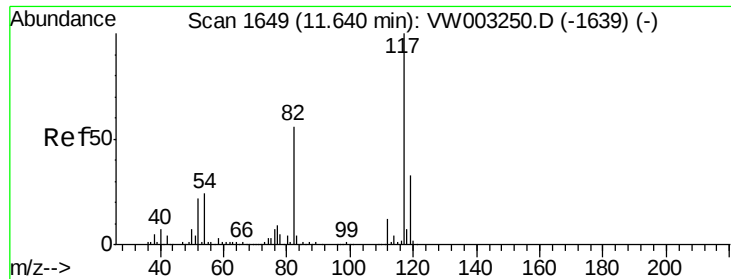
Ion Ratio Lower Upper

95 100

174 79.5 0.0 166.4

176 78.5 0.0 162.0

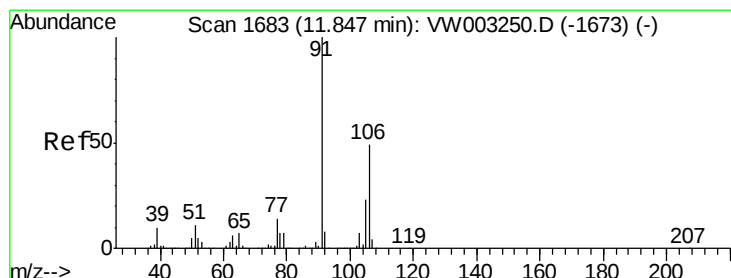
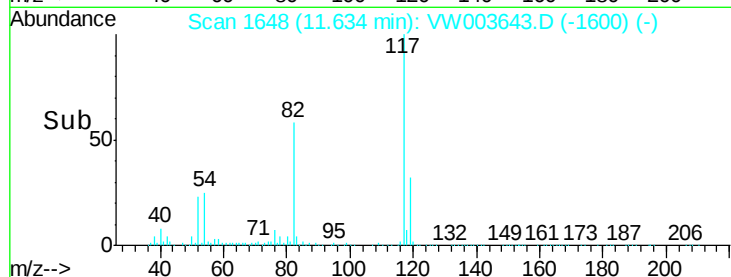
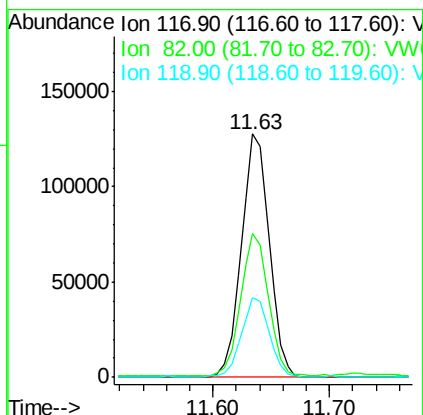
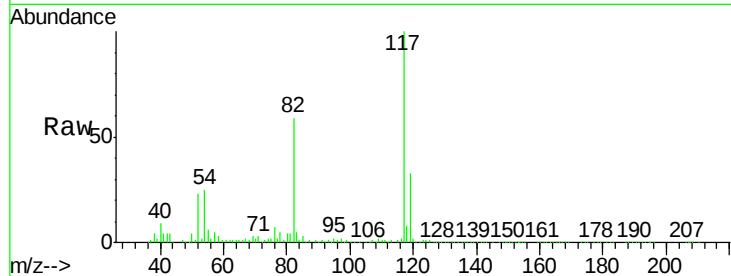




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

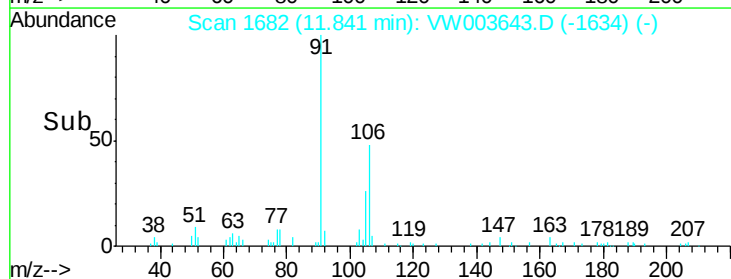
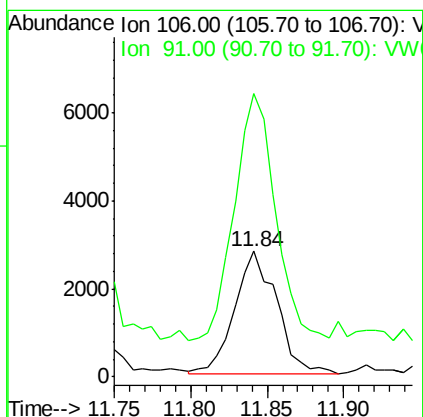
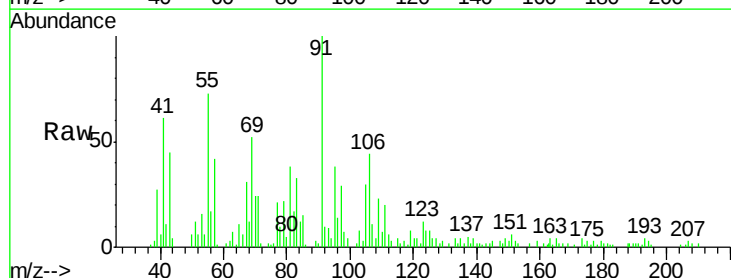
Instrument :
MSVOA_W
ClientSampleId :

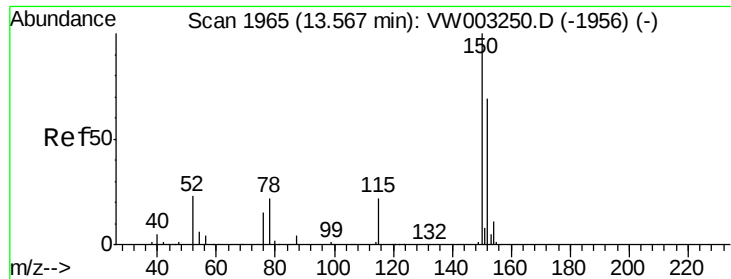
Tot Ion:117 Resp: 213316
Ion Ratio Lower Upper
117 100
82 58.4 44.6 67.0
119 32.2 26.7 40.1



#68
m/p-Xylenes
Concen: 1.783 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Tgt Ion:106 Resp: 5338
Ion Ratio Lower Upper
106 100
91 196.1 165.4 248.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

ClientSampleId :

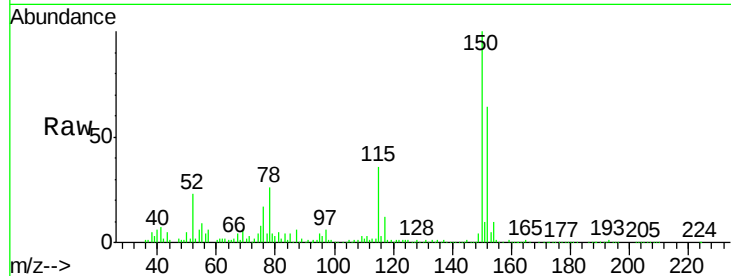
Tot Ion:152 Resp: 78825

Ion Ratio Lower Upper

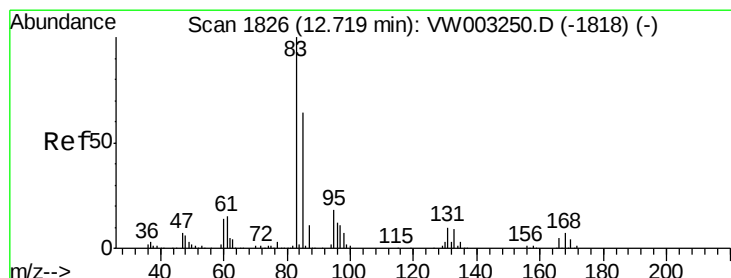
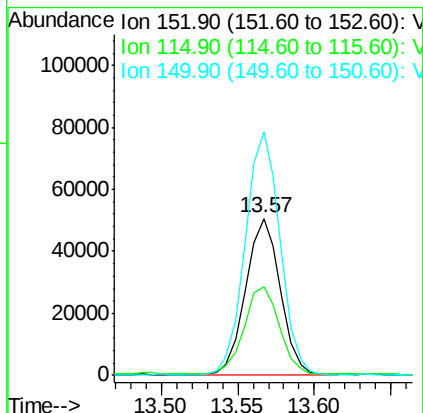
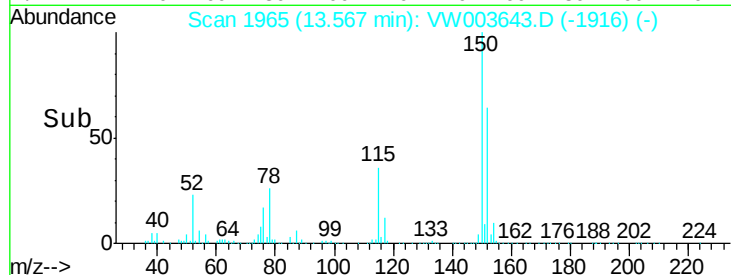
152 100

115 57.7 29.3 88.0

150 156.9 0.0 349.6



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: 2.545 ug/l

RT: 12.69 min Scan# 1821

Delta R.T. -0.03 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

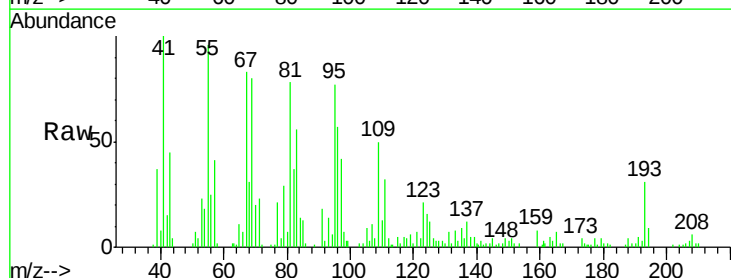
Tgt Ion: 83 Resp: 2361

Ion Ratio Lower Upper

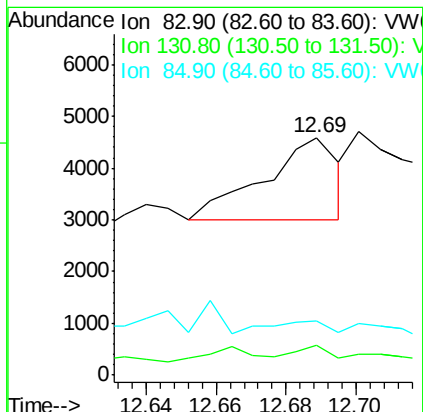
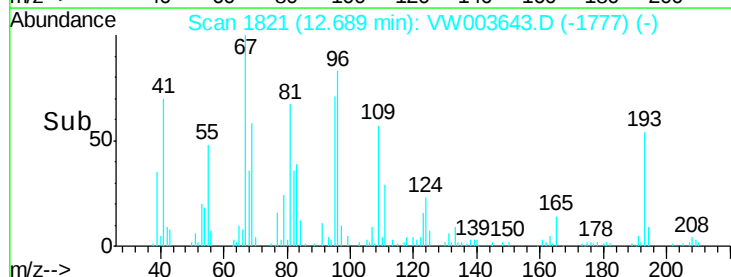
83 100

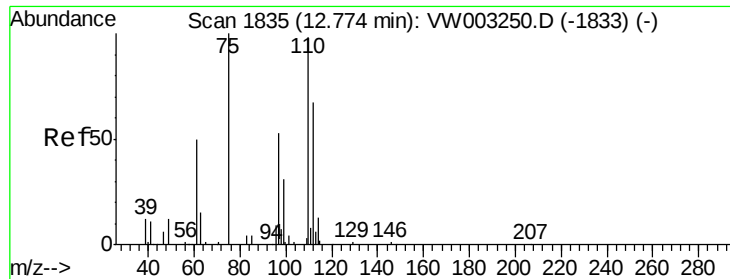
131 14.2 5.4 16.2

85 6.9 31.9 95.7#



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: 79.723 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

Instrument :

MSVOA_W

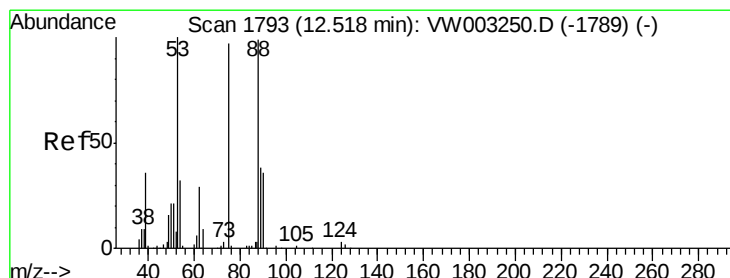
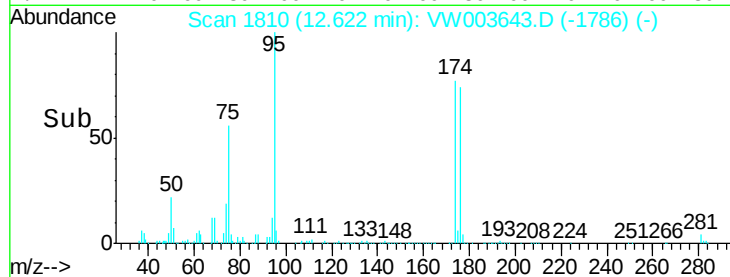
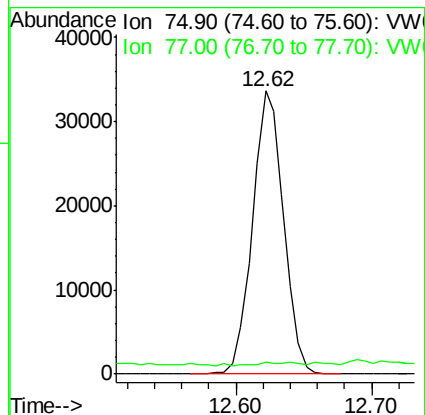
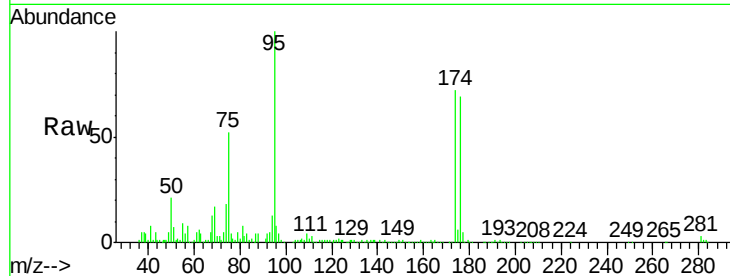
ClientSampleId :

Tot Ion: 75 Resp: 53722

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 183.446 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003643.D

Acq: 28 Jun 2018 17:16

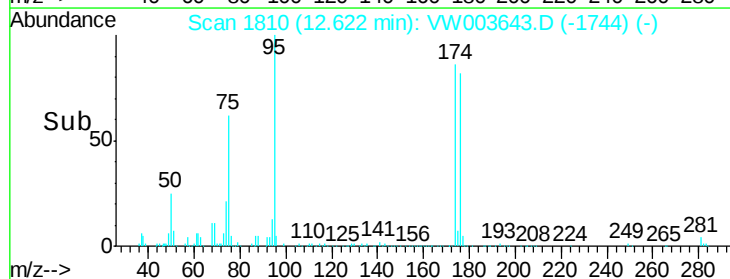
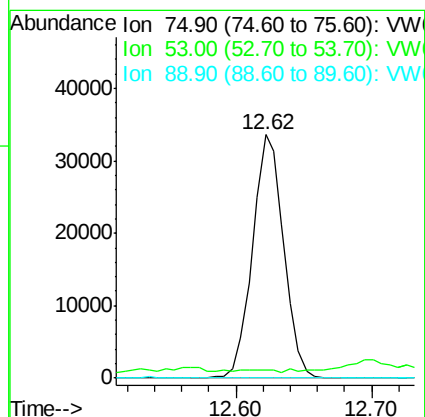
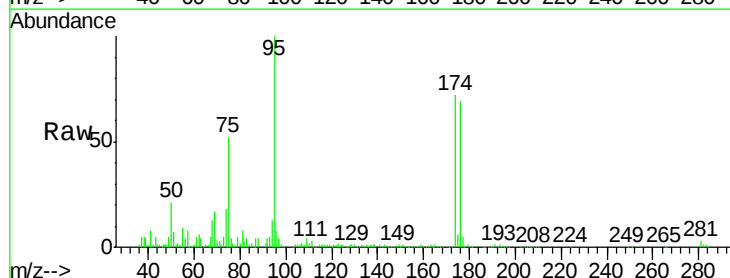
Tgt Ion: 75 Resp: 53722

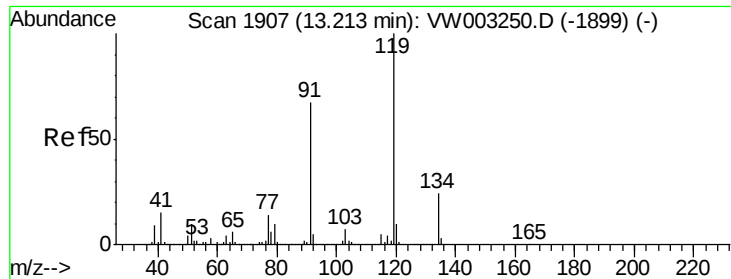
Ion Ratio Lower Upper

75 100

53 1.1 82.9 124.3#

89 0.0 36.7 55.1#

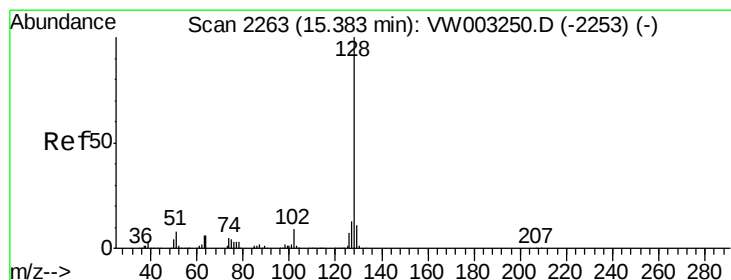
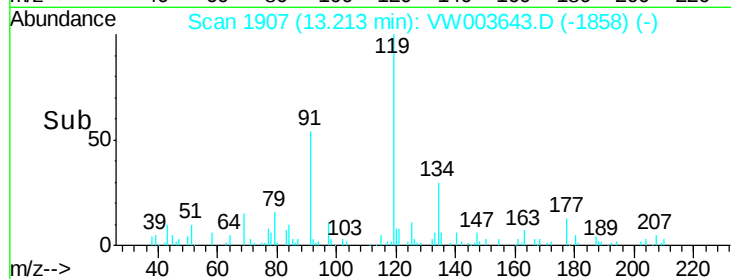
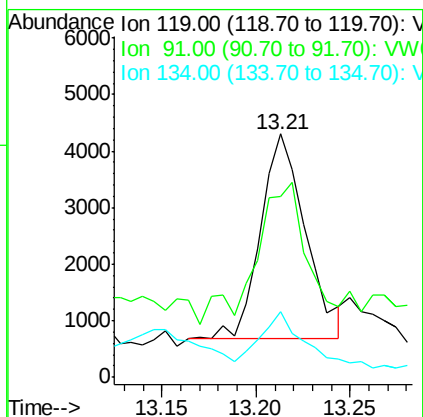
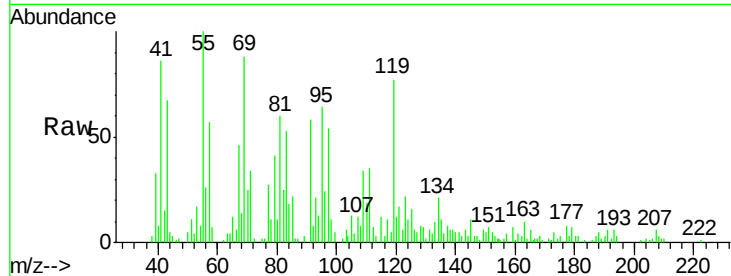




#83
tert-Butylbenzene
Concen: 1.524 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 5977
Ion Ratio Lower Upper
119 100
91 78.8 33.9 101.7
134 36.3 13.4 40.1



#95
Naphthalene
Concen: 17.878 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003643.D
Acq: 28 Jun 2018 17:16

Tgt Ion:128 Resp: 48916
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 12.3 8.9 13.3

