

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003835.D
 Acq On : 10 Jul 2018 19:33
 Operator : SY/AP
 Sample : J3879-12RE
 Misc : 5.27G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-6RE

Quant Time: Jul 11 04:44:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	116522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	190116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	40376	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	66978	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
35) Dibromofluoromethane	7.88	113	58268	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	
50) Toluene-d8	10.33	98	163776	32.18	ug/l	0.00
Spiked Amount			Recovery	=	64.36%	
62) 4-Bromofluorobenzene	12.62	95	39003	21.18	ug/l	0.00
Spiked Amount			Recovery	=	42.36%	

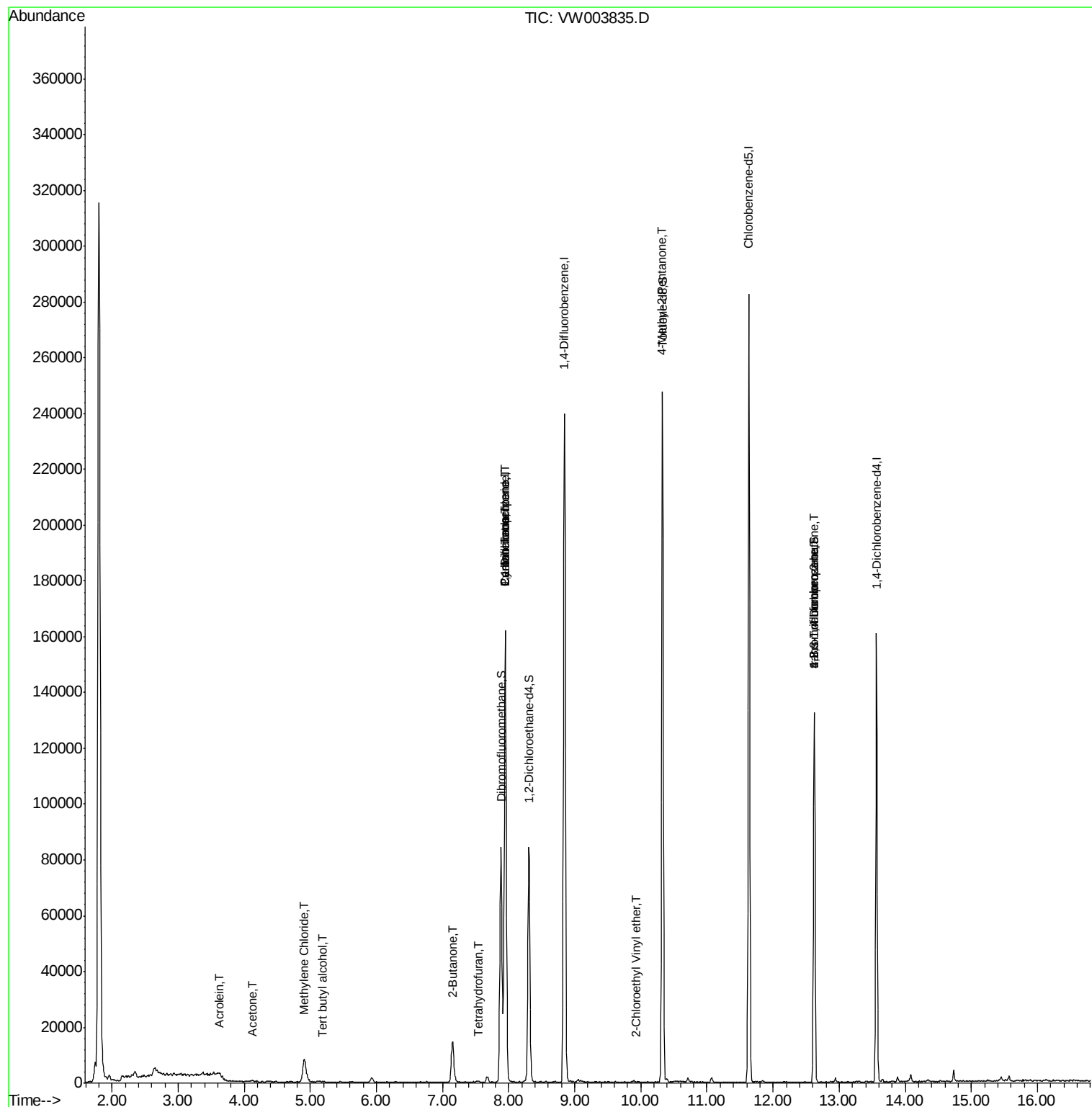
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	139	1.683	ug/l #	70
13) Acrolein	3.62	56	20	4.885	ug/l #	1
16) Acetone	4.12	43	427	1.615	ug/l #	61
20) Methylene Chloride	4.90	84	7171	1.295	ug/l #	85
25) 2-Butanone	7.15	43	1148	2.772	ug/l #	51
29) Tetrahydrofuran	7.54	42	280	1.052	ug/l #	42
31) Cyclohexane	7.95	56	3271	1.471	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	10222	5.067	ug/l #	49
38) Carbon Tetrachloride	7.95	117	11577	6.036	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	964	1.001	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	60	13.249	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	21160	53.369	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21160	130.553	ug/l #	7

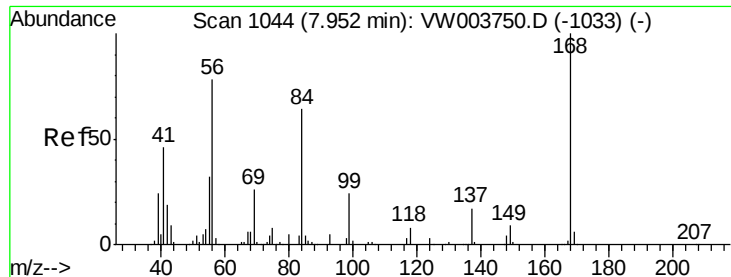
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 07 05:07:25 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: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

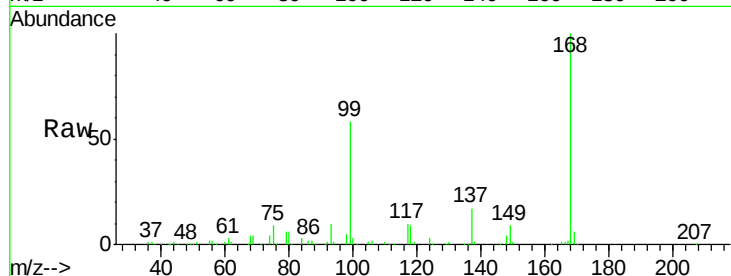
SURCHARGE-SP-6RE

Tot Ion:168 Resp: 116522

Ion Ratio Lower Upper

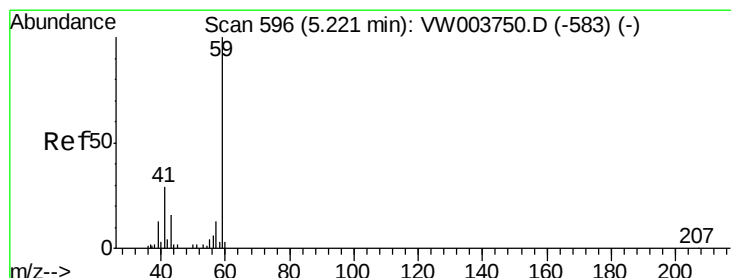
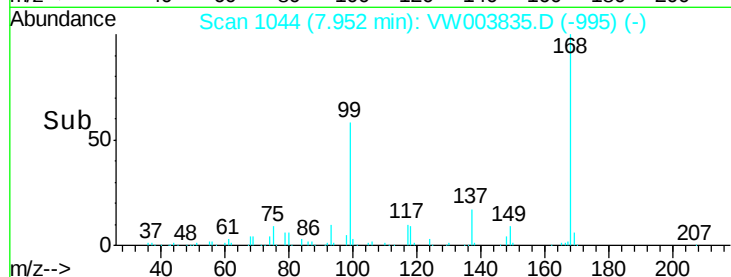
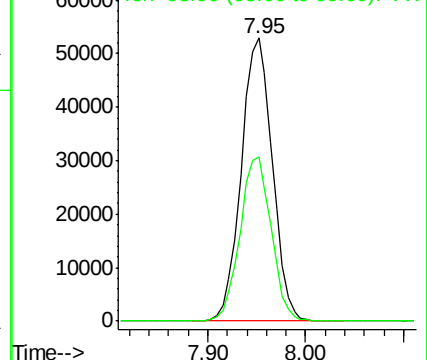
168 100

99 58.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.683 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.04 min

Lab File: VW003835.D

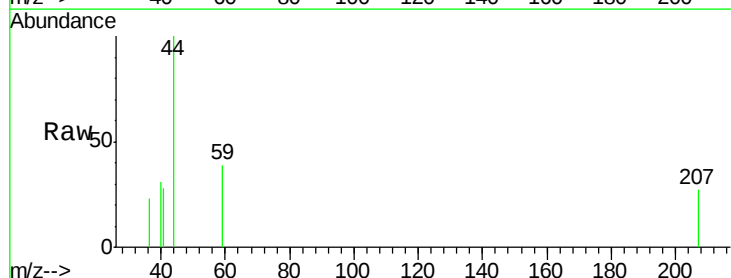
Acq: 10 Jul 2018 19:33

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

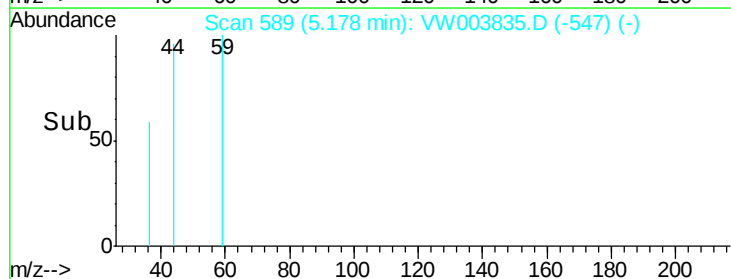
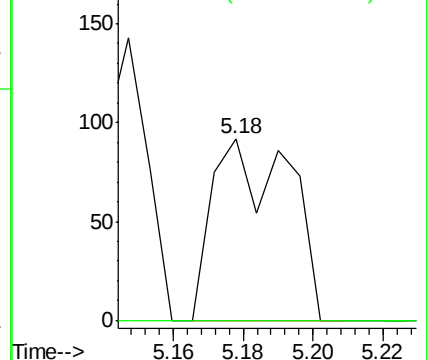
59 100

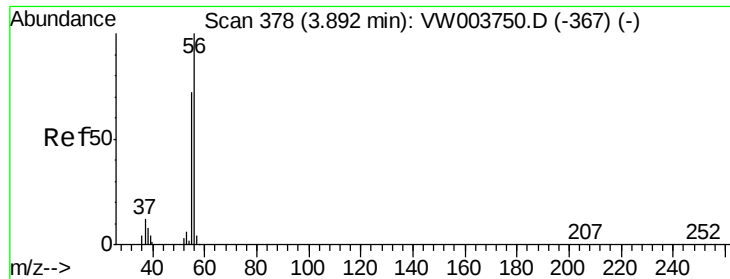
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.885 ug/l

RT: 3.62 min Scan# 333

Delta R.T. -0.27 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

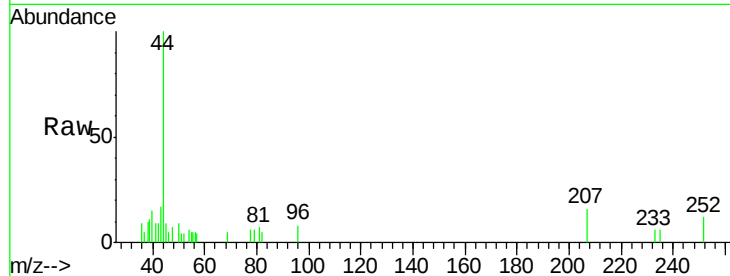
SURCHARGE-SP-6RE

Tot Ion: 56 Resp: 20

Ion Ratio Lower Upper

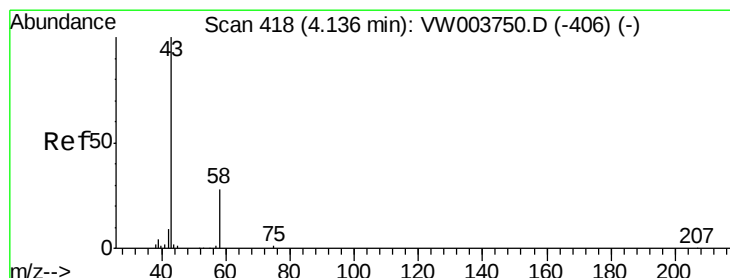
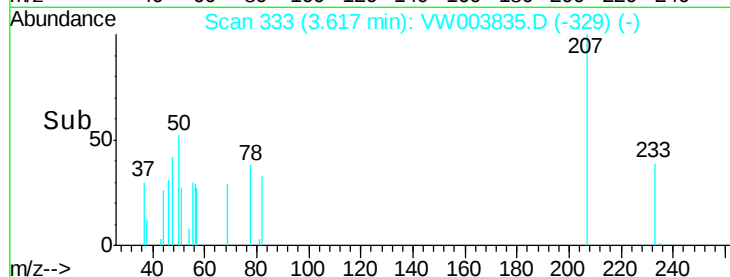
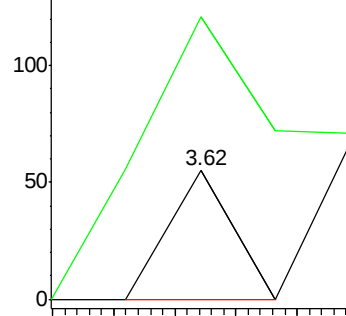
56 100

55 585.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 1.615 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003835.D

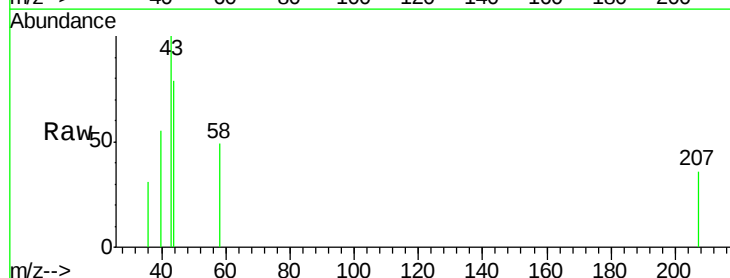
Acq: 10 Jul 2018 19:33

Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

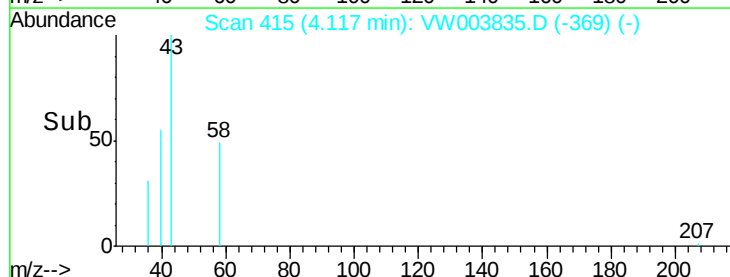
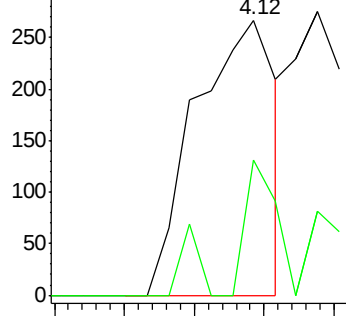
43 100

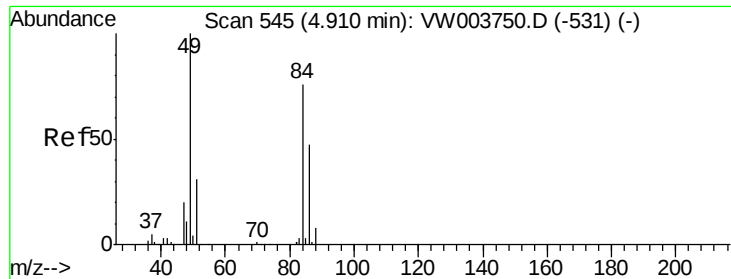
58 49.1 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

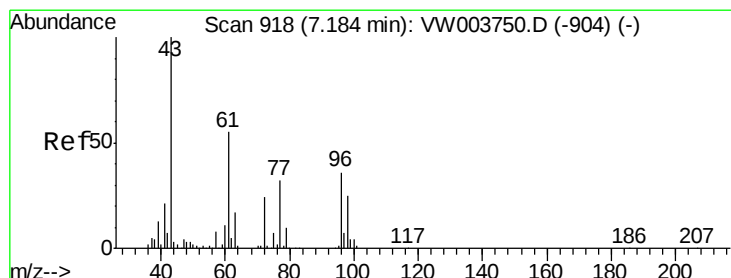
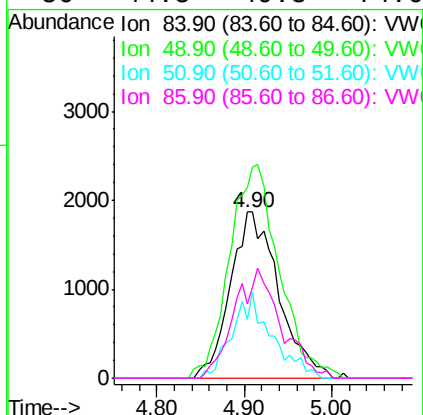
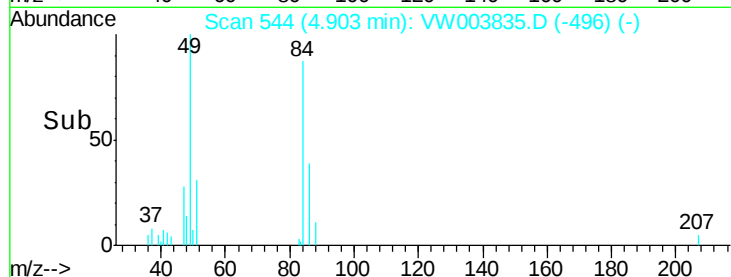
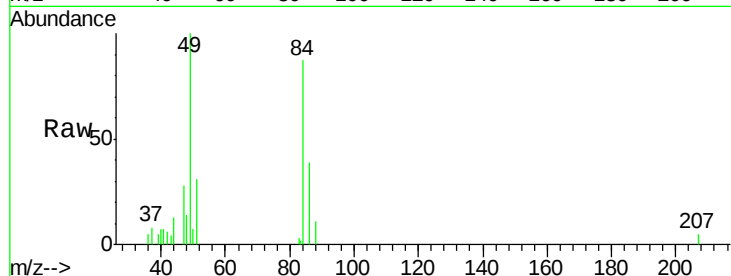




#20
Methvlene Chloride
Concen: 1.295 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

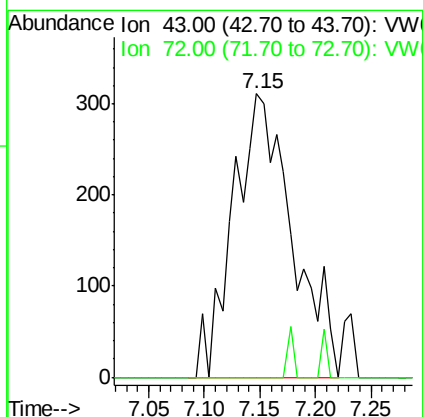
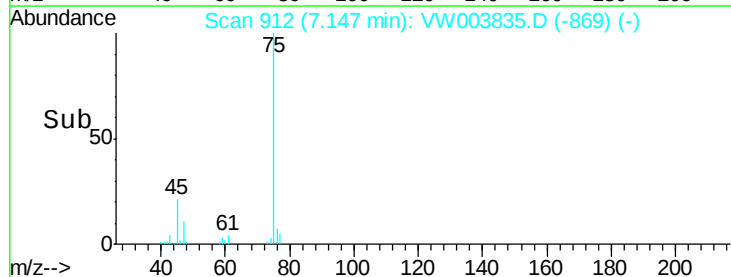
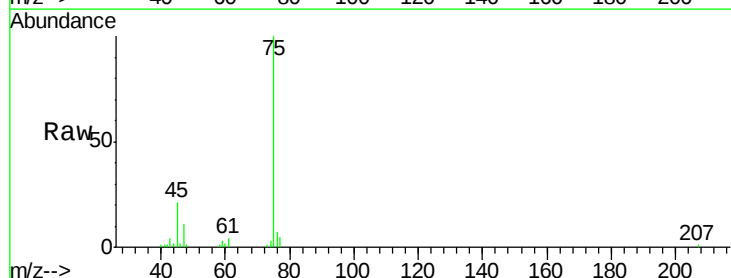
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-6RE

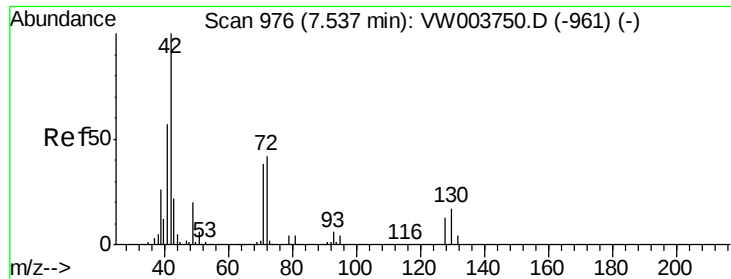
Tot Ion: 84 Resp: 7171
Ion Ratio Lower Upper
84 100
49 115.0 105.1 157.7
51 35.2 32.5 48.7
86 44.5 49.8 74.6#



#25
2-Butanone
Concen: 2.772 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

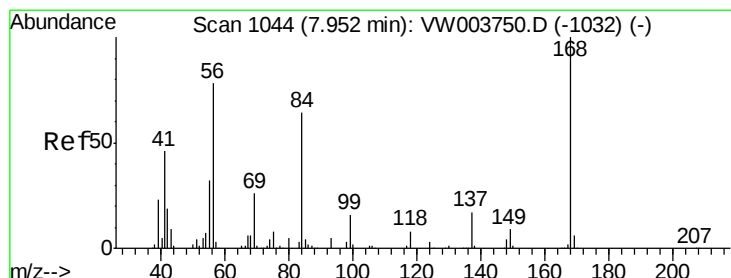
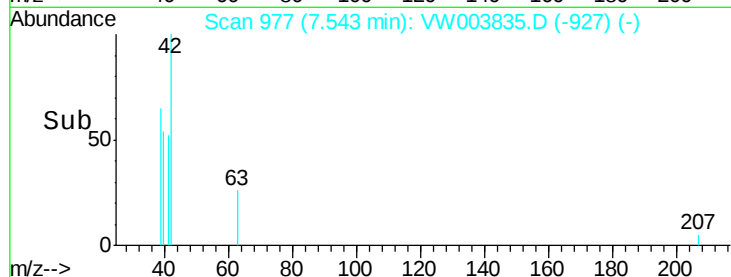
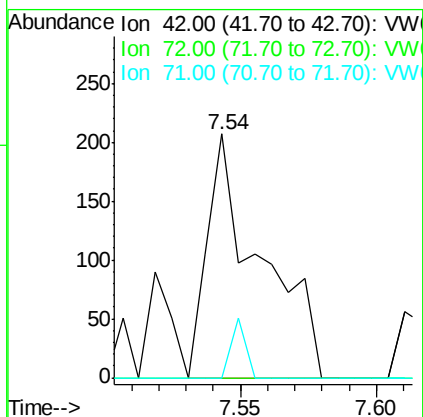
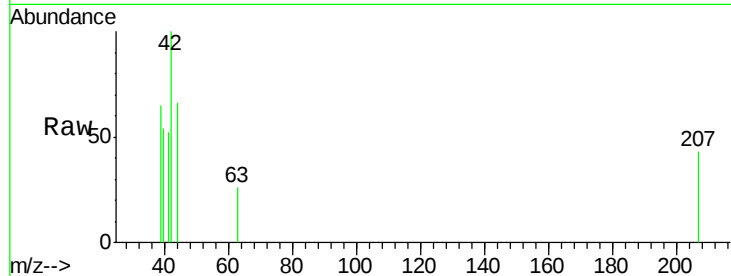




#29
Tetrahydrofuran
Concen: 1.052 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

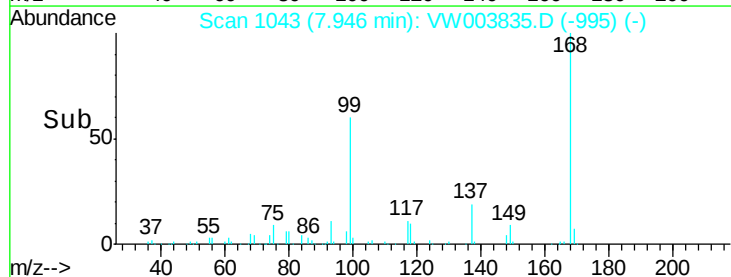
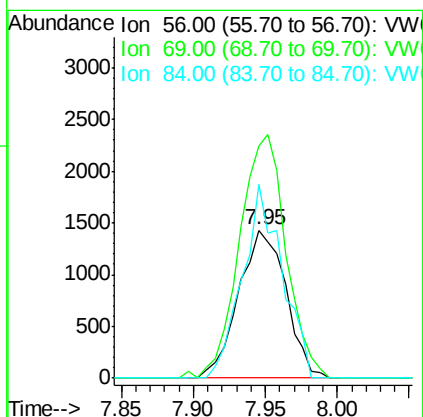
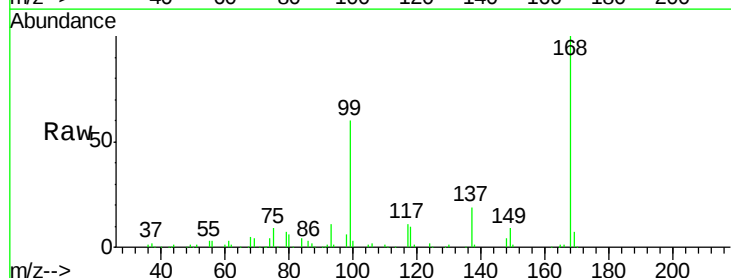
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-6RE

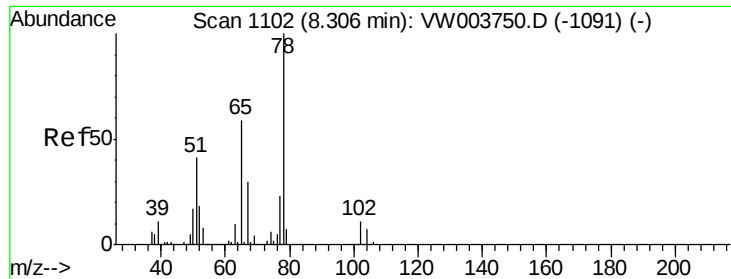
Tot Ion: 42 Resp: 280
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 6.8 30.3 45.5#



#31
Cyclohexane
Concen: 1.471 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

Tgt Ion: 56 Resp: 3271
Ion Ratio Lower Upper
56 100
69 156.9 26.2 39.4#
84 131.2 65.5 98.3#

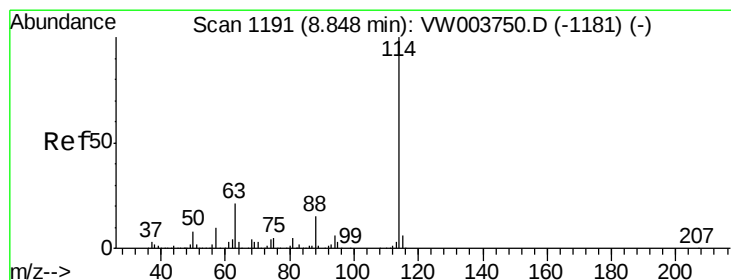
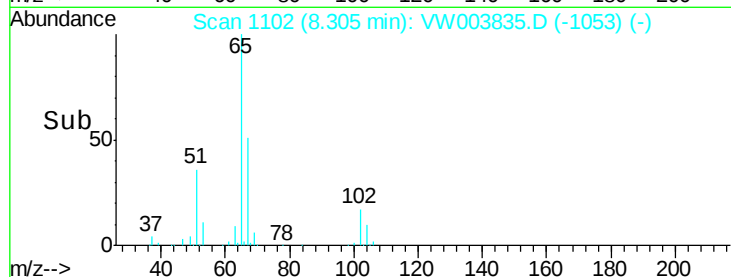
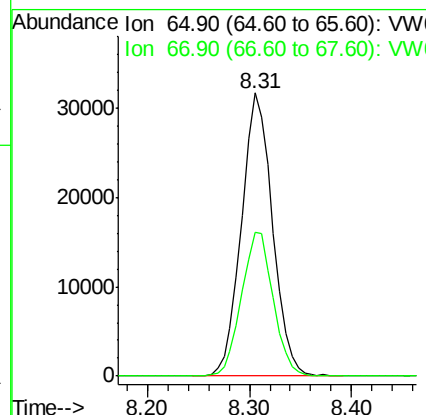
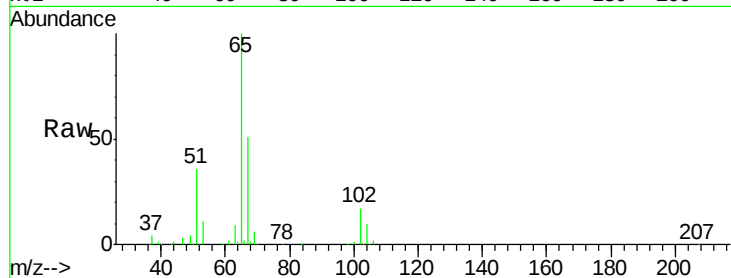




#33
 1,2-Dichloroethane-d4
 Concen: 43.955 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003835.D
 Acq: 10 Jul 2018 19:33

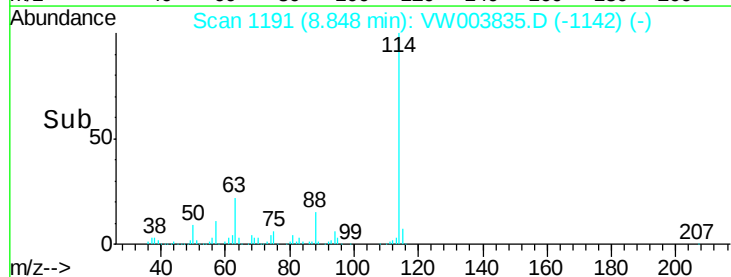
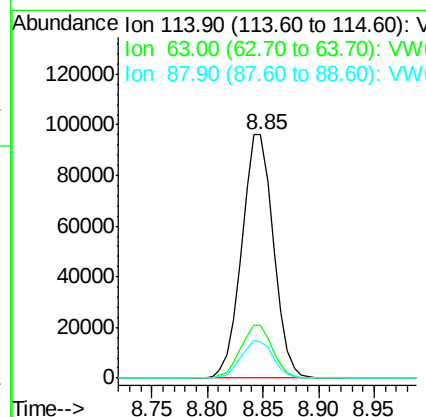
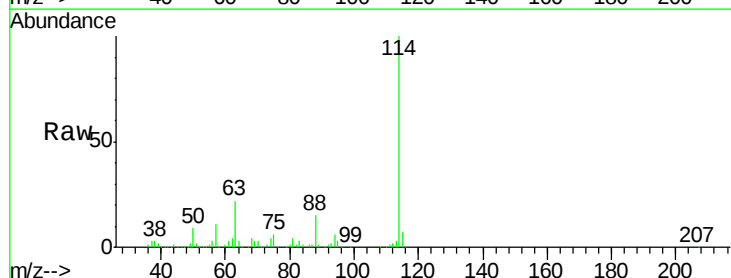
Instrument :
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 SURCHARGE-SP-6RE

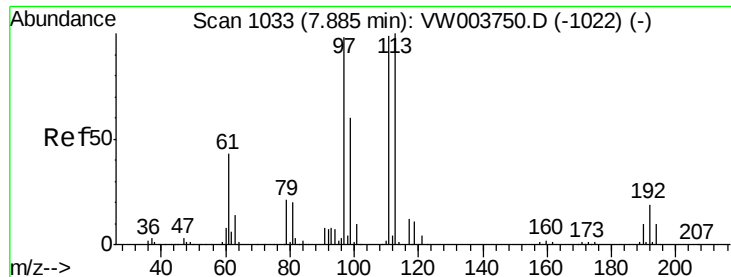
Tot Ion: 65 Resp: 66978
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003835.D
 Acq: 10 Jul 2018 19:33

Tgt Ion: 114 Resp: 190116
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 43.791 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-6RE

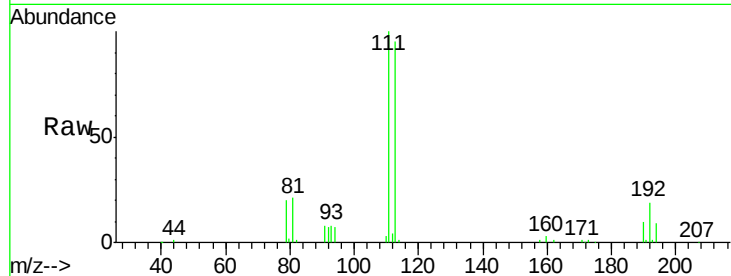
Tot Ion:113 Resp: 58268

Ion Ratio Lower Upper

113 100

111 104.1 81.7 122.5

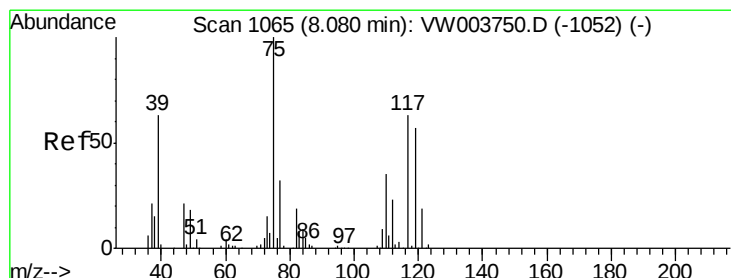
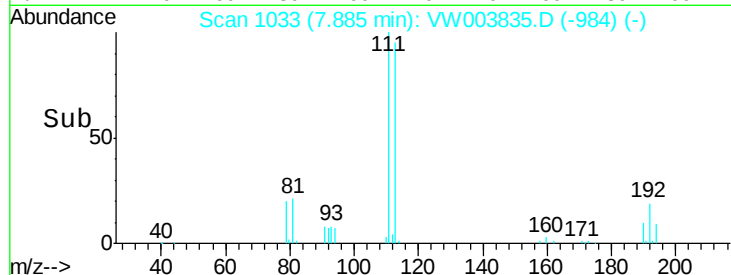
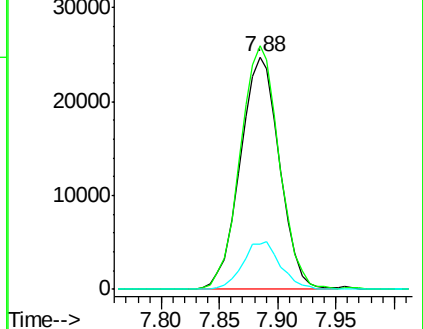
192 19.6 15.8 23.8



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: 5.067 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

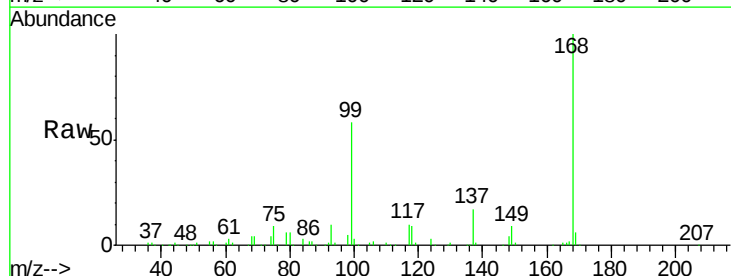
Tgt Ion: 75 Resp: 10222

Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

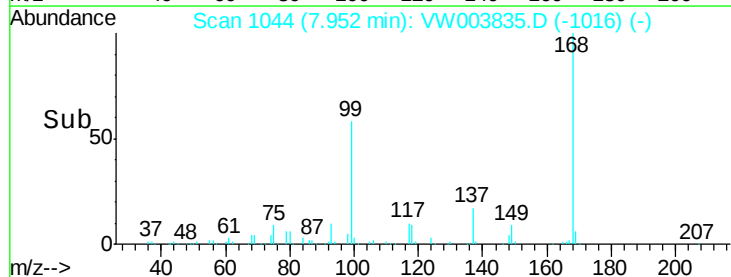
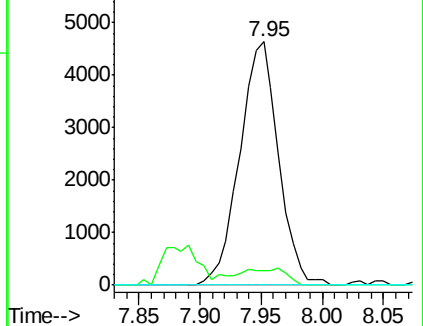
77 0.0 24.8 37.2#

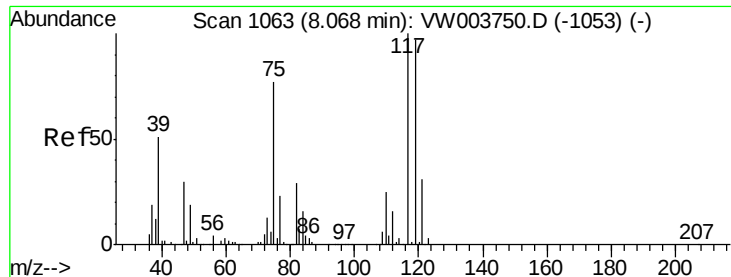


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

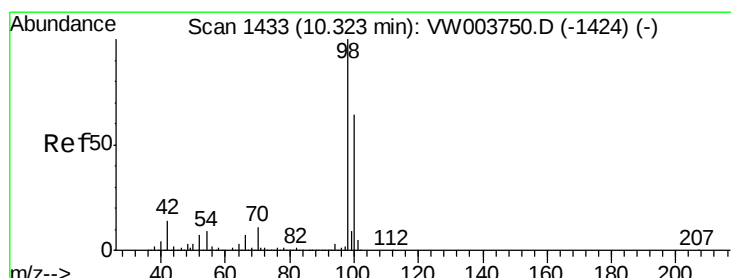
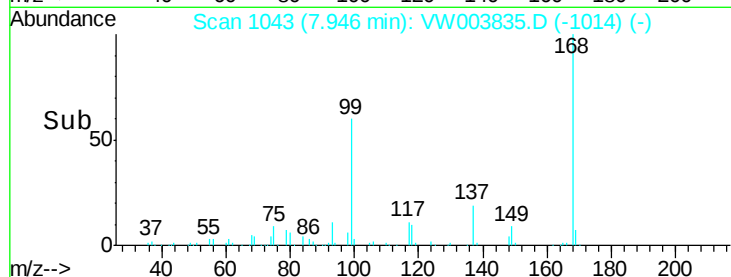
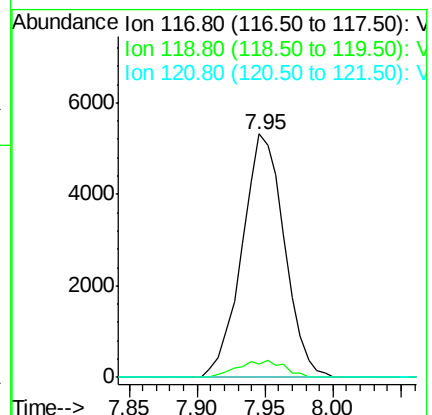
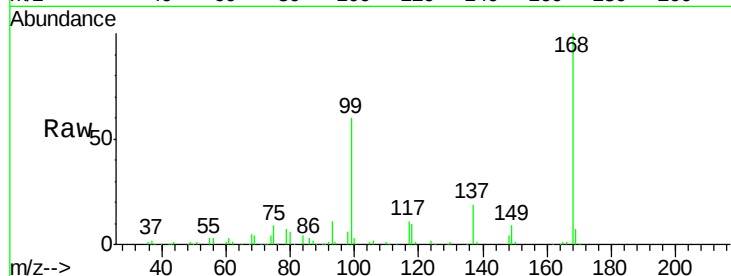




#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

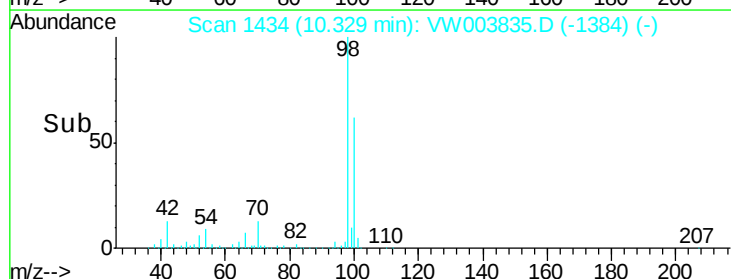
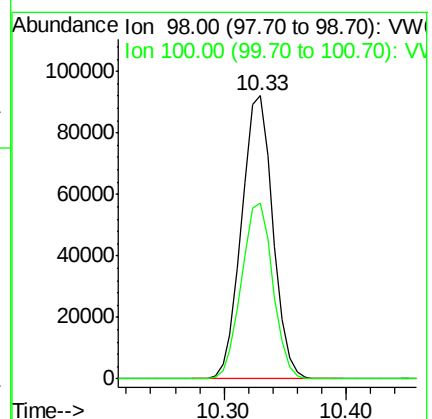
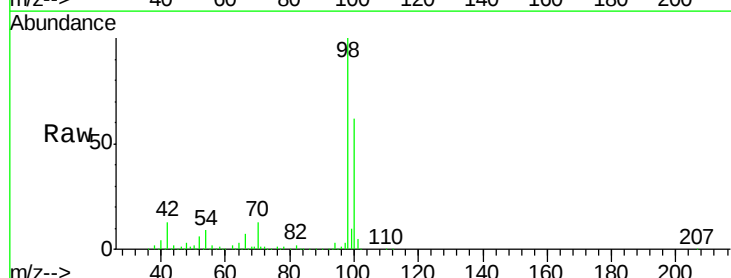
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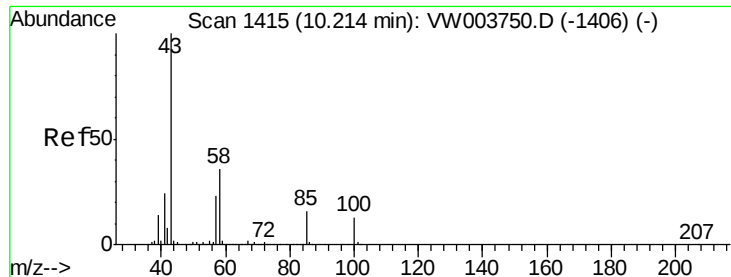
Tot Ion:117 Resp: 11577
Ion Ratio Lower Upper
117 100
119 5.2 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 32.177 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003835.D
Acq: 10 Jul 2018 19:33

Tgt Ion: 98 Resp: 163776
Ion Ratio Lower Upper
98 100
100 62.1 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 1.001 ug/l

RT: 10.32 min Scan# 1432

Delta R.T. 0.10 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

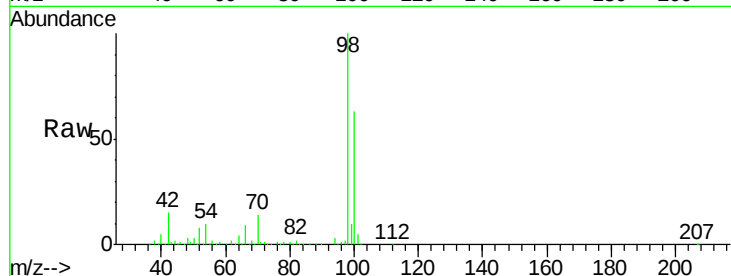
SURCHARGE-SP-6RE

Tot Ion: 43 Resp: 964

Ion Ratio Lower Upper

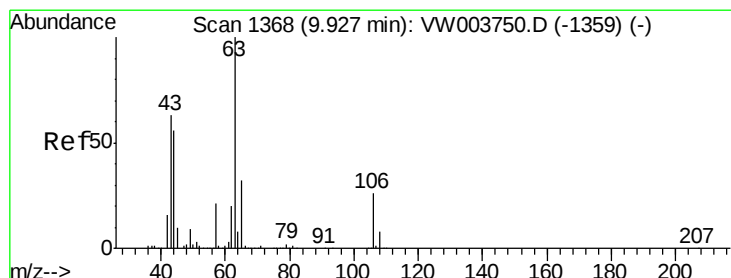
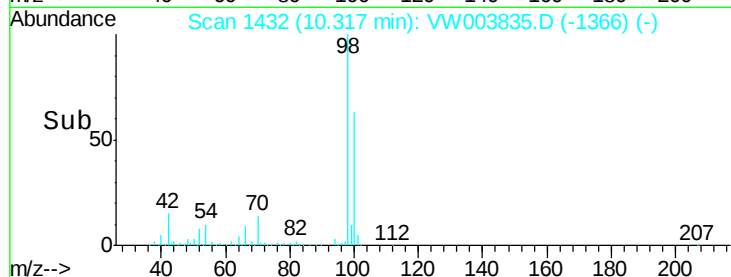
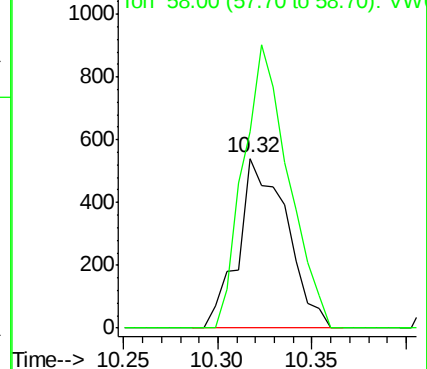
43 100

58 155.4 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 13.249 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW003835.D

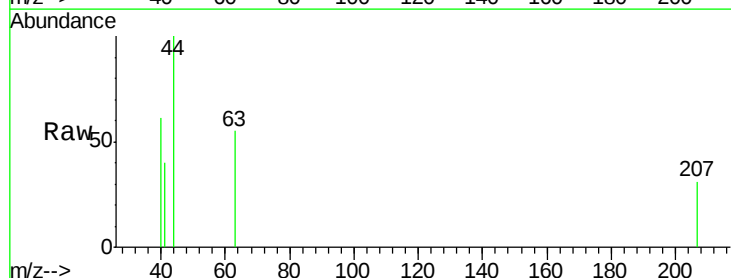
Acq: 10 Jul 2018 19:33

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

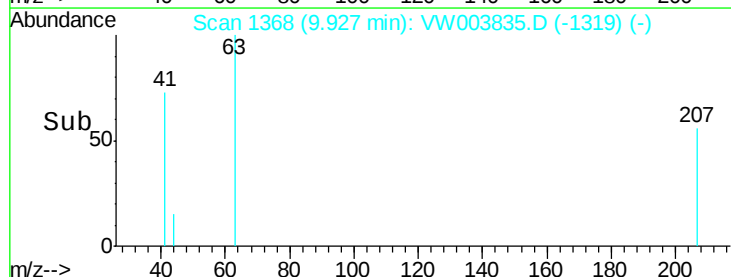
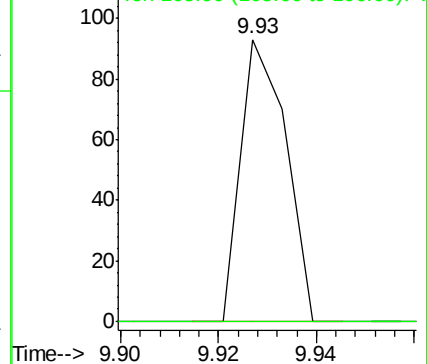
63 100

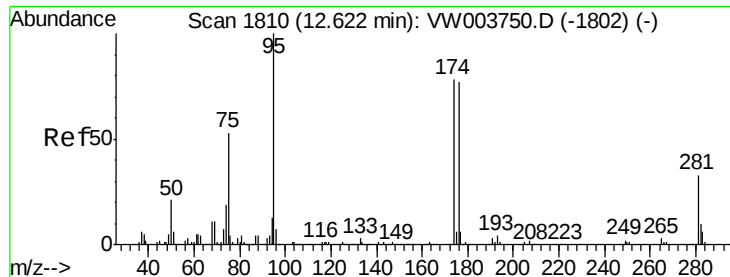
106 0.0 20.9 31.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 21.179 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-6RE

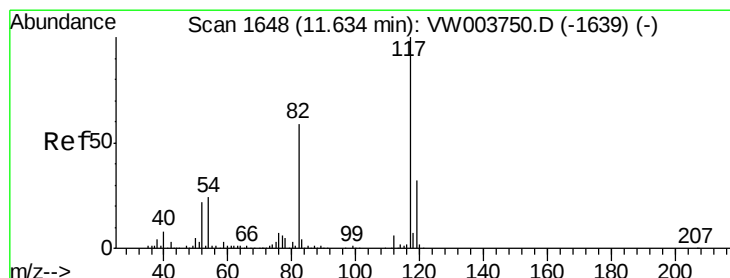
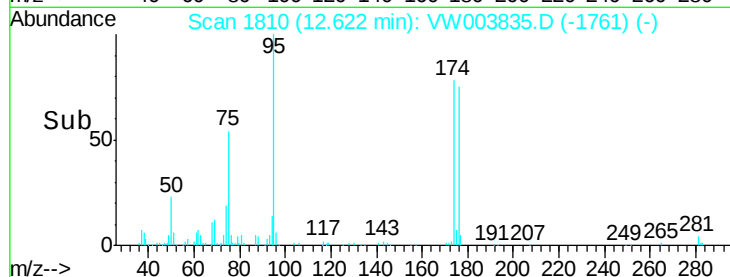
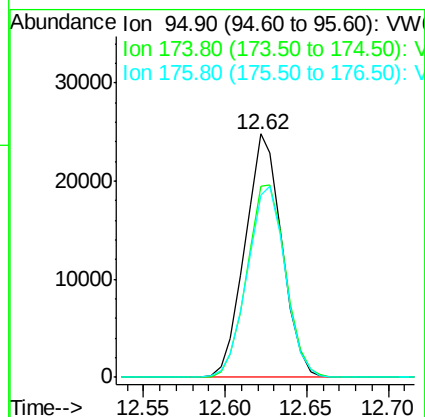
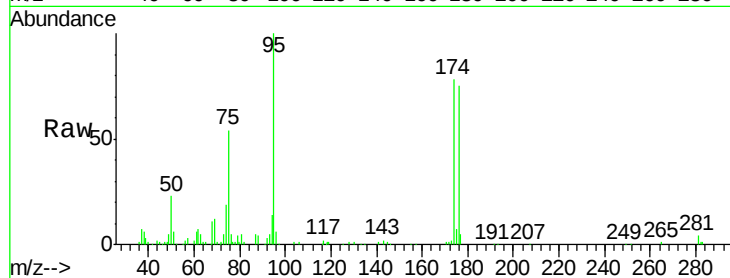
Tot Ion: 95 Resp: 39003

Ion Ratio Lower Upper

95 100

174 83.0 0.0 163.4

176 80.6 0.0 156.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

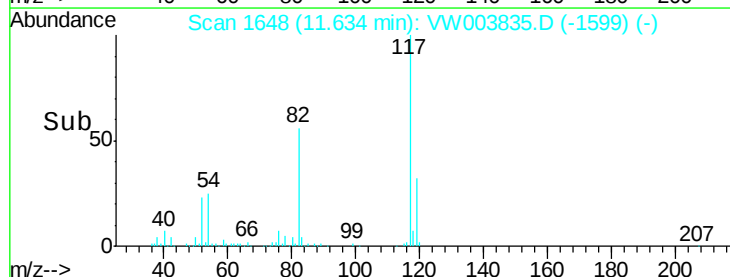
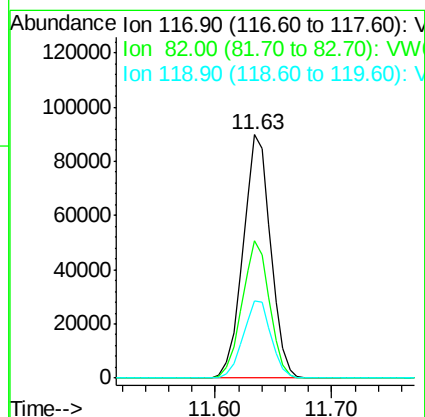
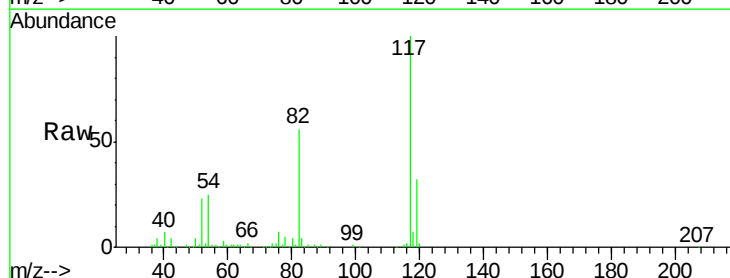
Tgt Ion: 117 Resp: 147560

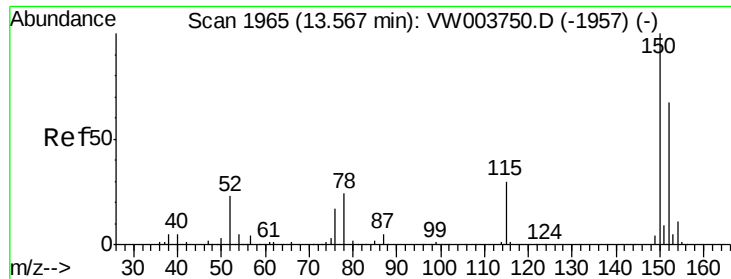
Ion Ratio Lower Upper

117 100

82 56.2 46.9 70.3

119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003835.D

Acq: 10 Jul 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-6RE

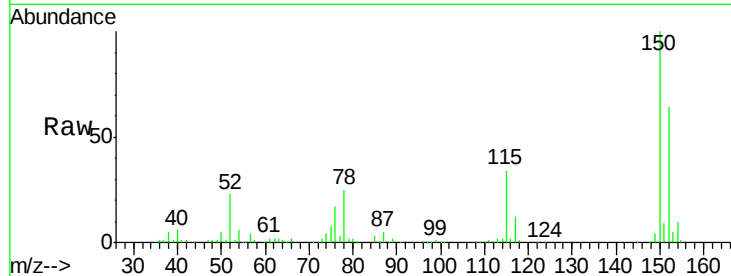
Tot Ion:152 Resp: 40376

Ion Ratio Lower Upper

152 100

115 57.0 28.9 86.8

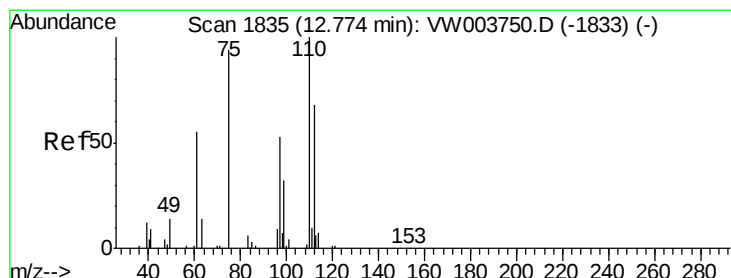
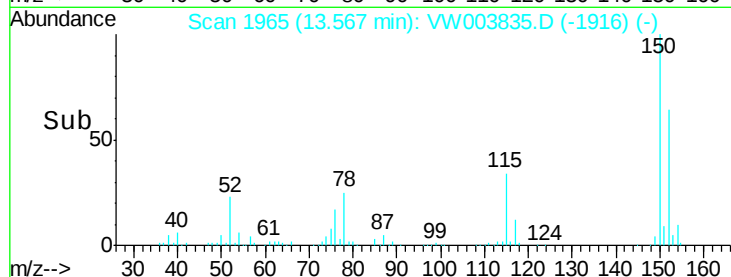
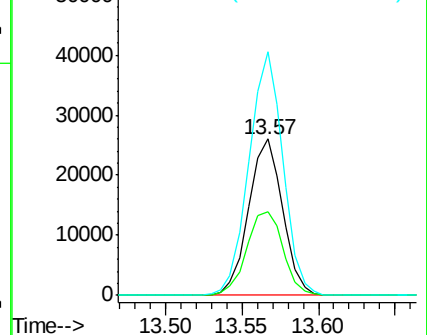
150 154.8 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 53.369 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003835.D

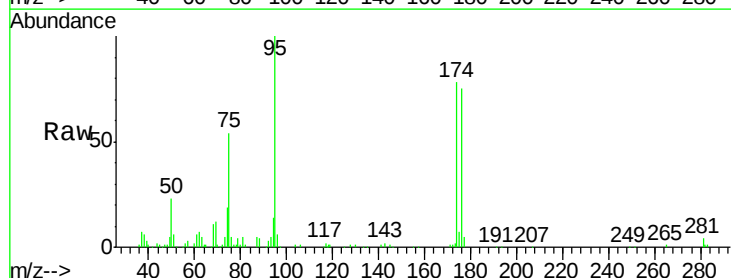
Acq: 10 Jul 2018 19:33

Tgt Ion: 75 Resp: 21160

Ion Ratio Lower Upper

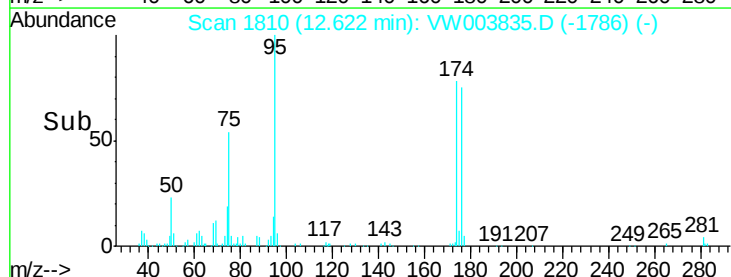
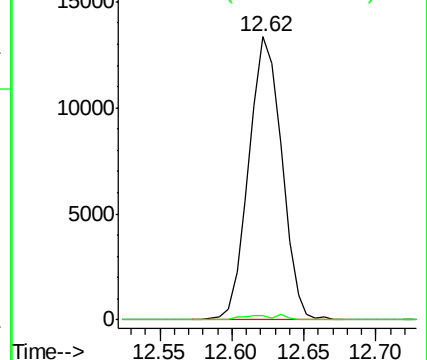
75 100

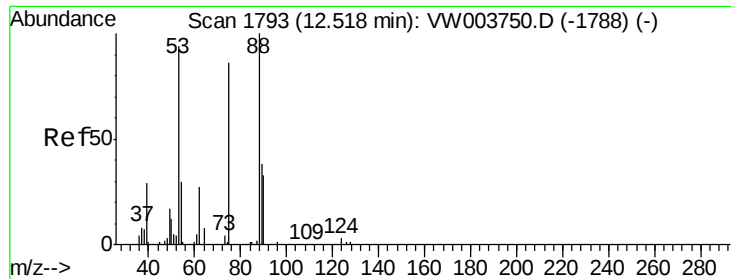
77 1.2 0.0 0.0#



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: 130.553 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003835.D
 Acq: 10 Jul 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-6RE

Tot Ion: 75 Resp: 21160
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.0 127.6#
 89 0.0 36.3 54.5#

