

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003836.D
 Acq On : 10 Jul 2018 19:59
 Operator : SY/AP
 Sample : J3880-08RE
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-14RE

Quant Time: Jul 11 04:44:55 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	146711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	245508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	65237	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	71423	37.23	ug/l	0.00
Spiked Amount			Recovery	=	74.46%	
35) Dibromofluoromethane	7.88	113	61733	35.93	ug/l	0.00
Spiked Amount			Recovery	=	71.86%	
50) Toluene-d8	10.33	98	175091	26.64	ug/l	0.00
Spiked Amount			Recovery	=	53.28%	
62) 4-Bromofluorobenzene	12.62	95	47189	19.84	ug/l	0.00
Spiked Amount			Recovery	=	39.68%	

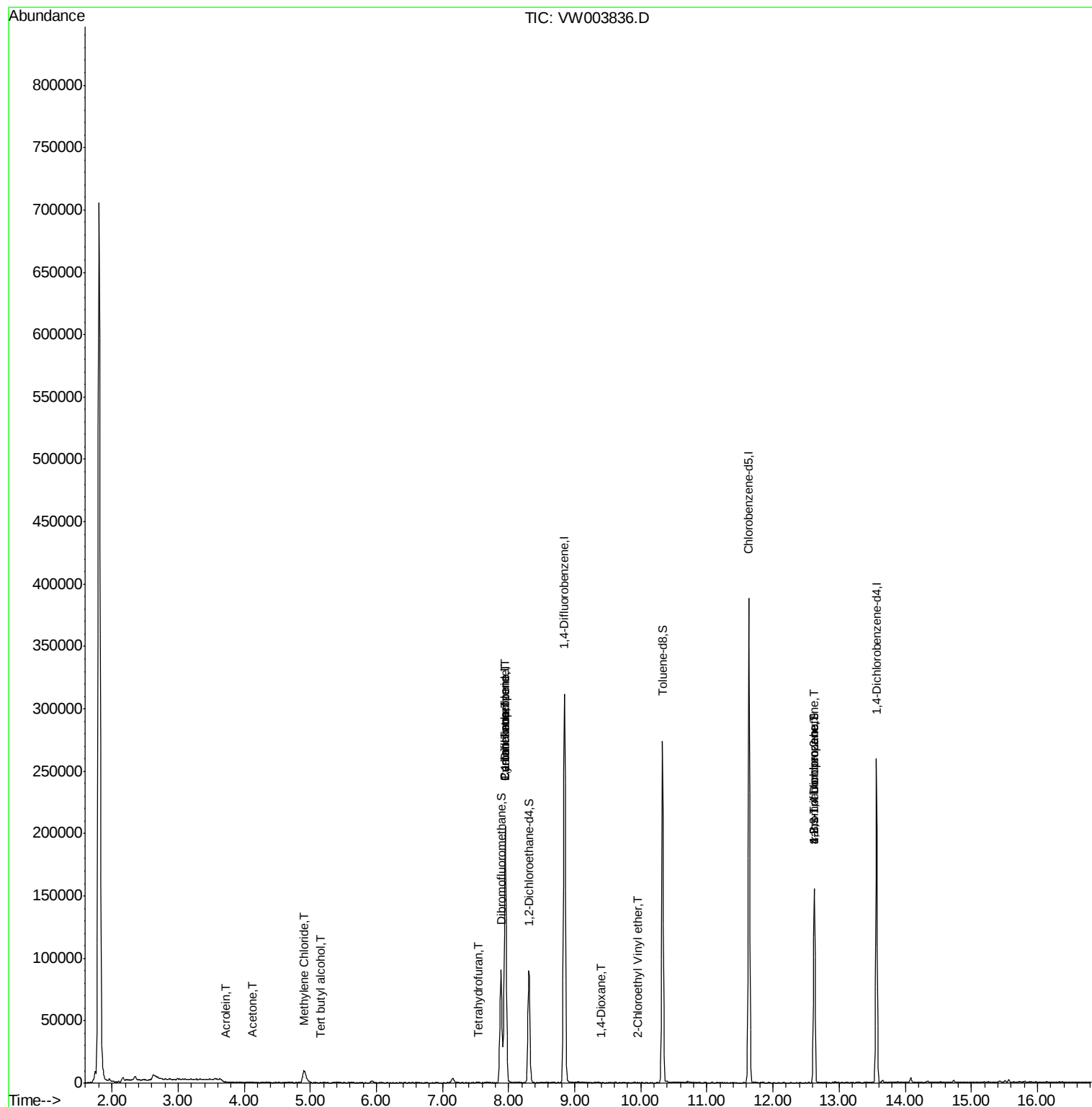
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	130	1.250	ug/l #	70
13) Acrolein	3.73	56	19	4.850	ug/l #	14
16) Acetone	4.12	43	696	2.091	ug/l	91
20) Methylene Chloride	4.90	84	8924	1.224	ug/l	95
29) Tetrahydrofuran	7.54	42	412	1.229	ug/l #	62
31) Cyclohexane	7.95	56	3884	1.387	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	12783	4.907	ug/l #	52
38) Carbon Tetrachloride	7.95	117	15032	6.069	ug/l #	16
49) 1,4-Dioxane	9.39	88	26	1.709	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.95	63	36	13.205	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	25709	40.132	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25709	98.172	ug/l #	8

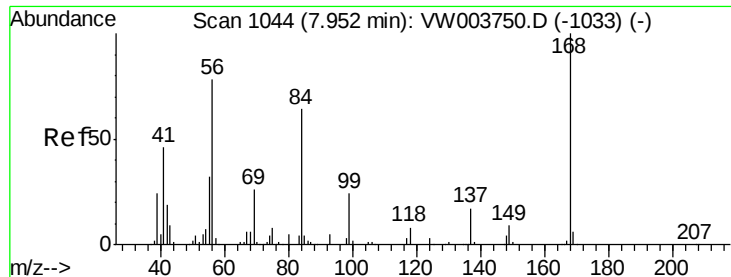
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

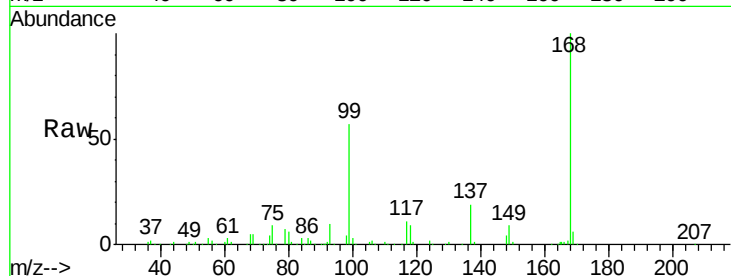
SURCHARGE-SP-14RE

Tot Ion:168 Resp: 146711

Ion Ratio Lower Upper

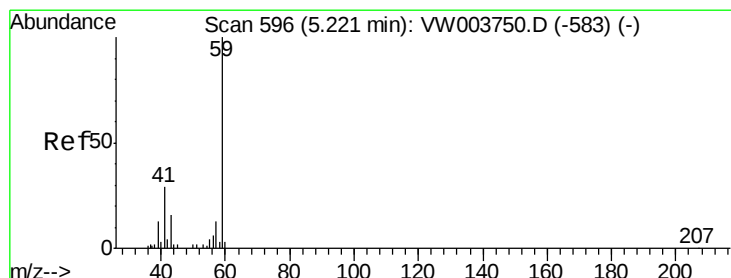
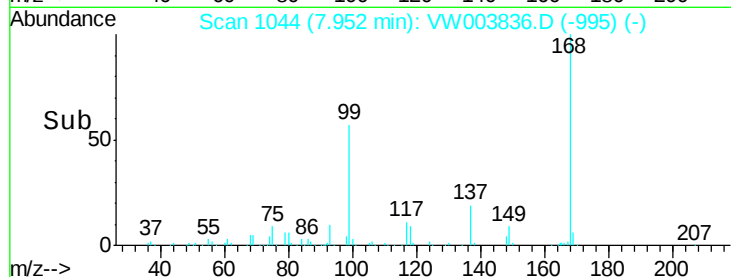
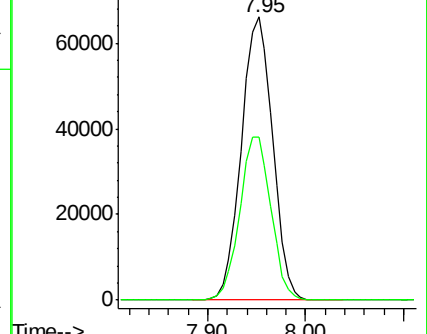
168 100

99 57.4 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: 1.250 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.06 min

Lab File: VW003836.D

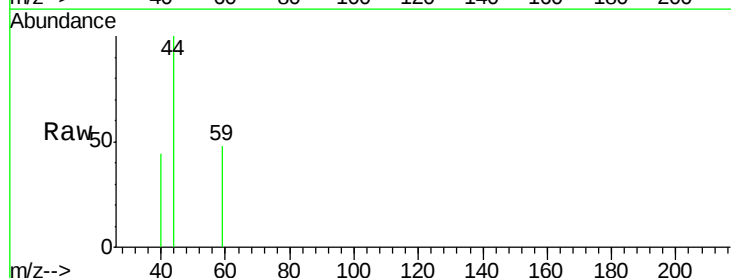
Acq: 10 Jul 2018 19:59

Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

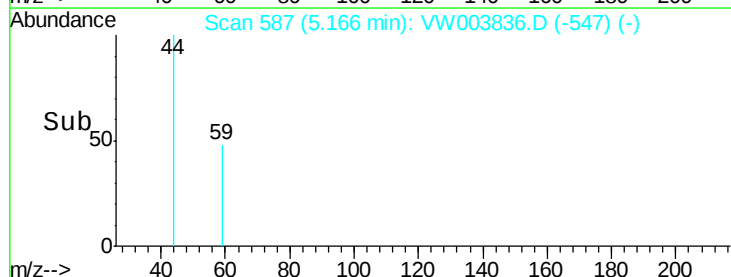
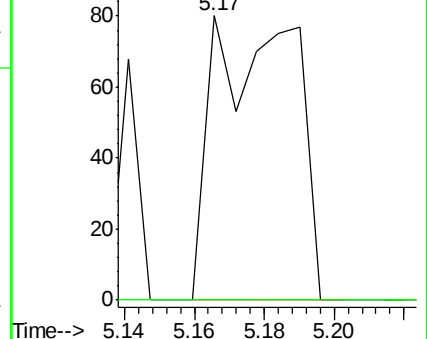
59 100

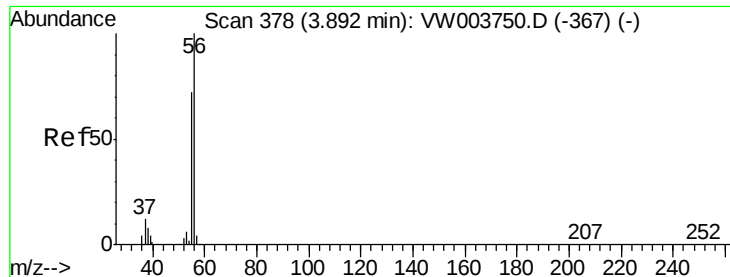
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.850 ug/l

RT: 3.73 min Scan# 351

Delta R.T. -0.16 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

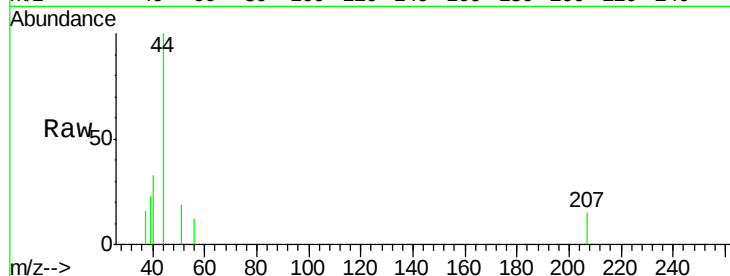
SURCHARGE-SP-14RE

Tot Ion: 56 Resp: 19

Ion Ratio Lower Upper

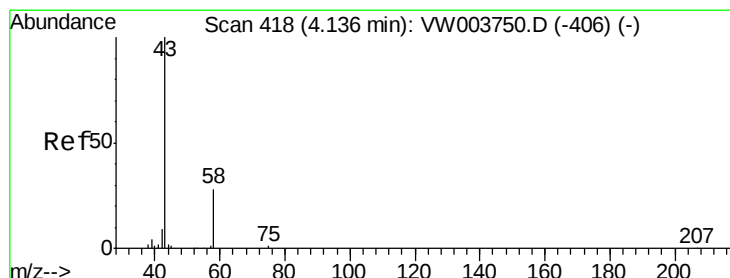
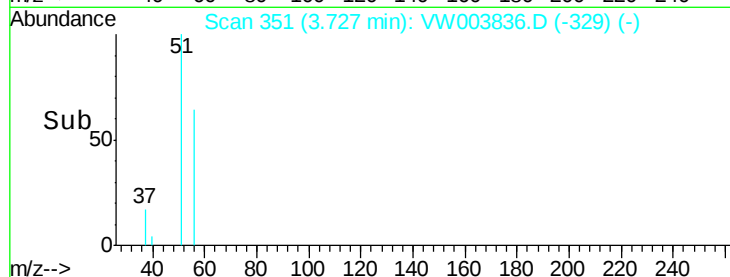
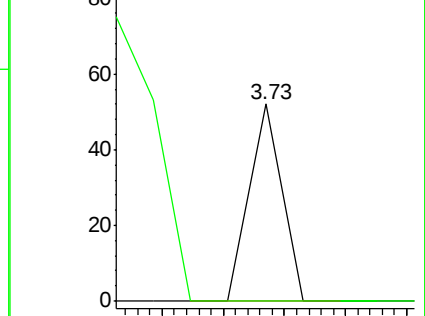
56 100

55 0.0 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: 2.091 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003836.D

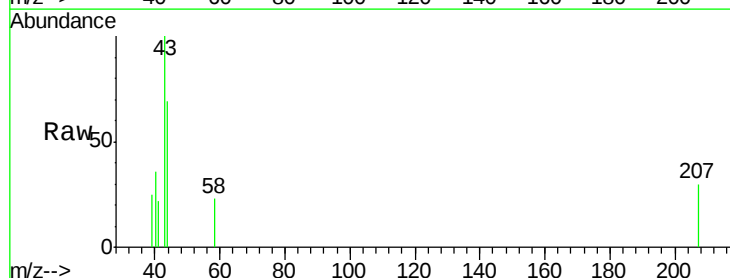
Acq: 10 Jul 2018 19:59

Tgt Ion: 43 Resp: 696

Ion Ratio Lower Upper

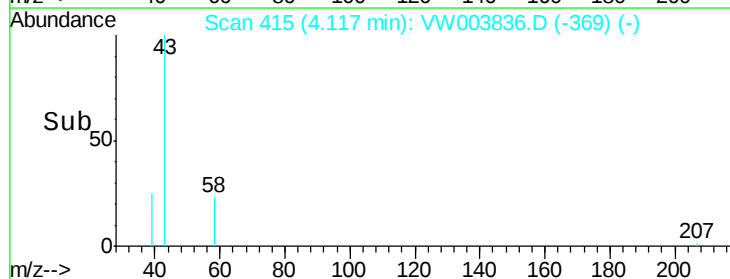
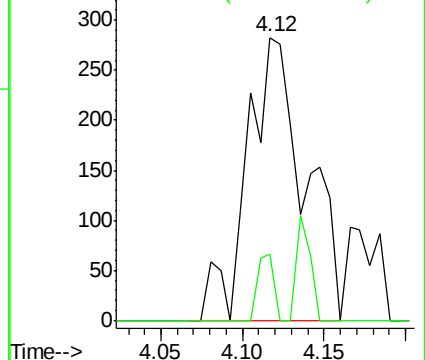
43 100

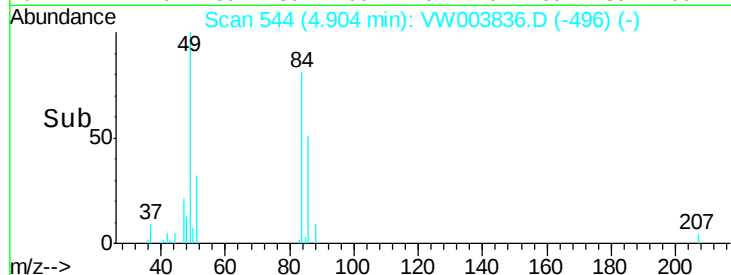
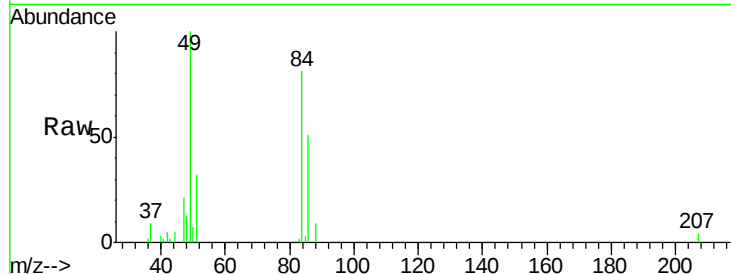
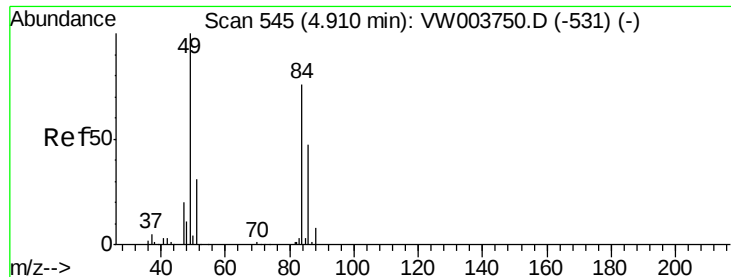
58 23.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

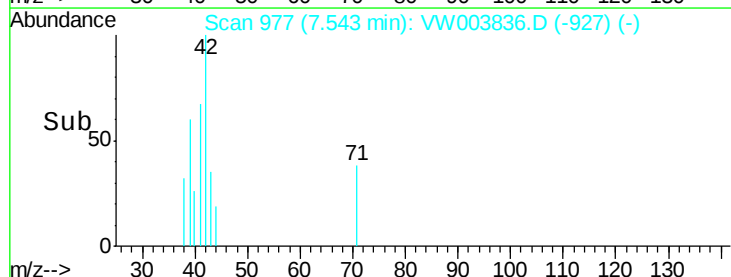
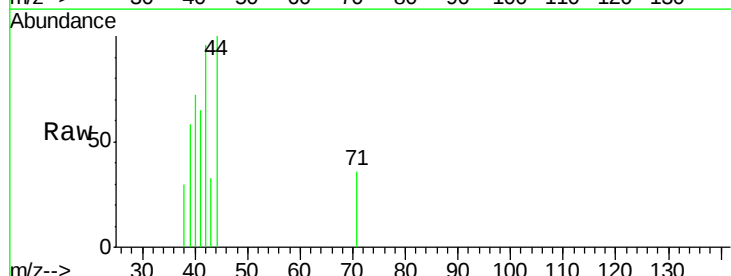
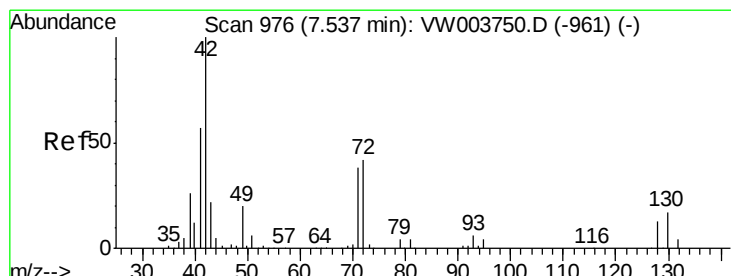
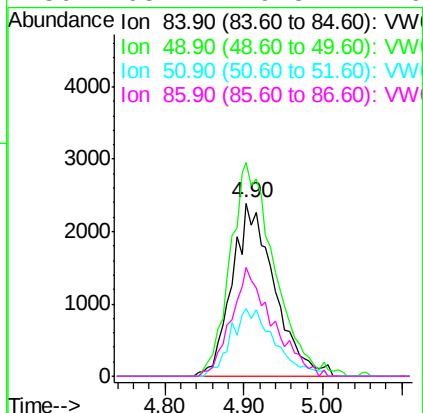




#20
Methvlene Chloride
Concen: 1.224 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

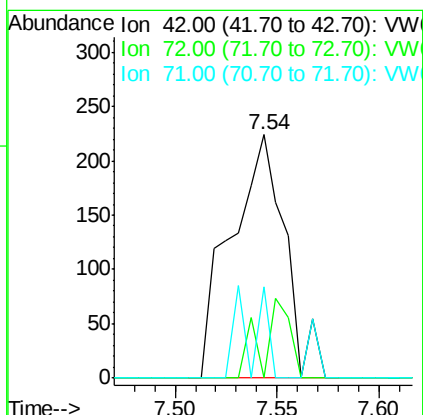
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-14RE

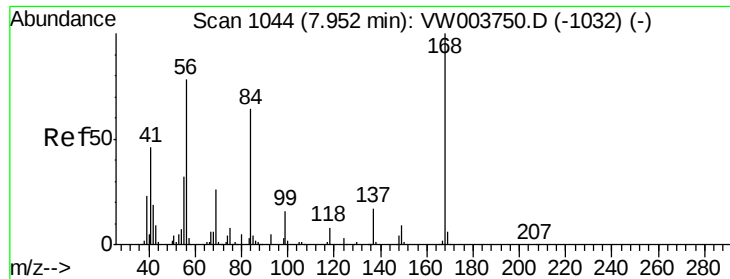
Tot Ion:	84	Resp:	8924
Ion	Ratio	Lower	Upper
84	100		
49	123.5	105.1	157.7
51	39.1	32.5	48.7
86	63.2	49.8	74.6



#29
Tetrahydrofuran
Concen: 1.229 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Tgt Ion:	42	Resp:	412
Ion	Ratio	Lower	Upper
42	100		
72	16.3	31.8	47.8#
71	15.0	30.3	45.5#

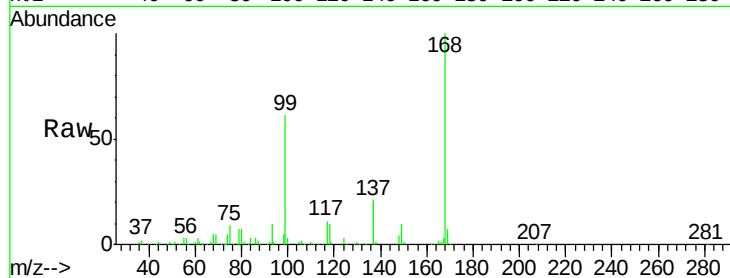




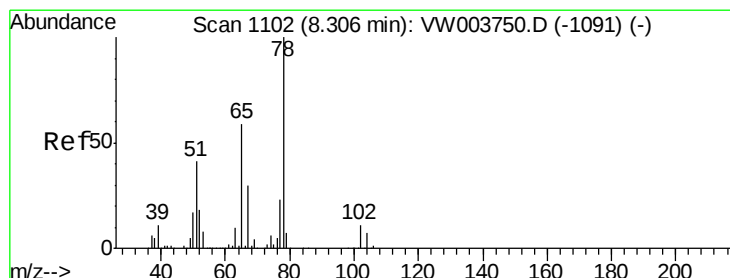
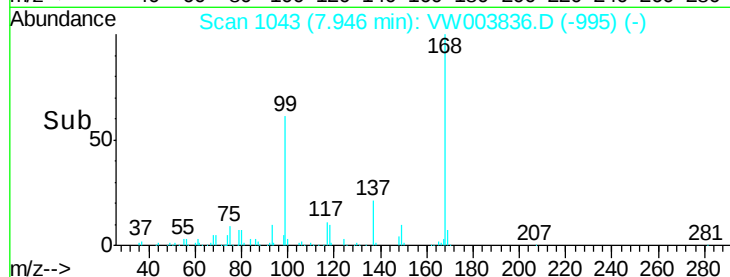
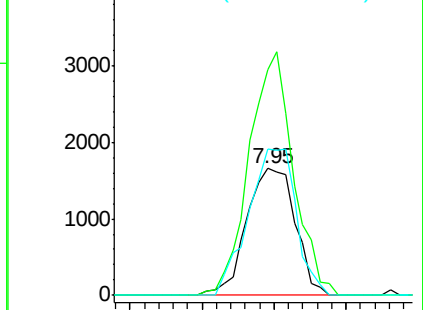
#31
Cyclohexane
Concen: 1.387 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-14RE

Tot Ion: 56 Resp: 3884
Ion Ratio Lower Upper
56 100
69 177.8 26.2 39.4#
84 114.9 65.5 98.3#

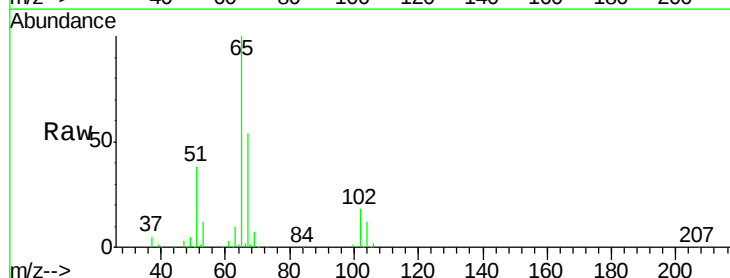


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

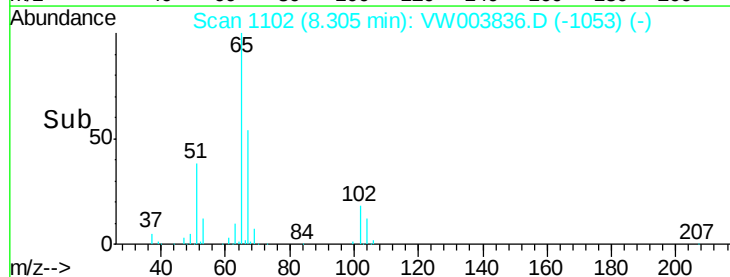
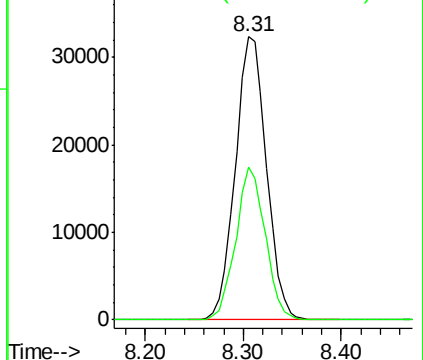


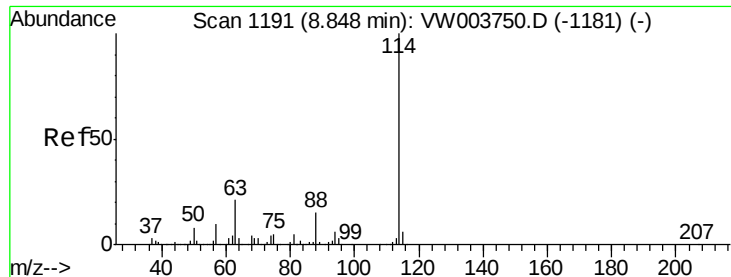
#33
1,2-Dichloroethane-d4
Concen: 37.227 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Tgt Ion: 65 Resp: 71423
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-14RE

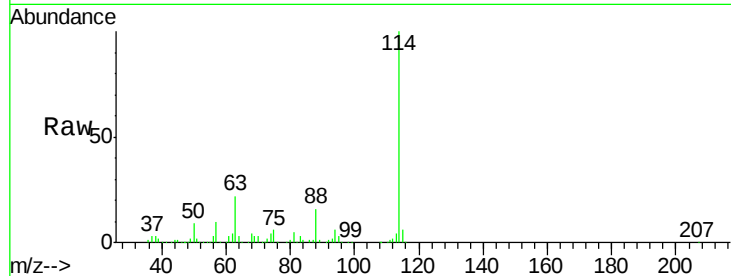
Tot Ion:114 Resp: 245508

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

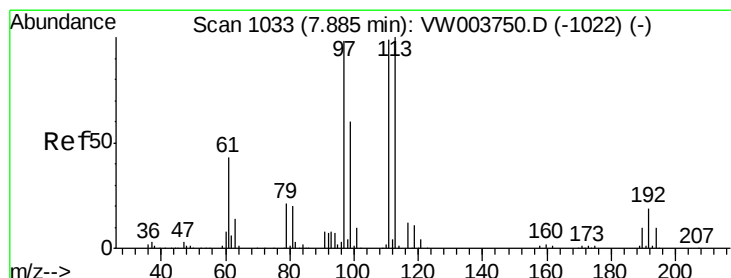
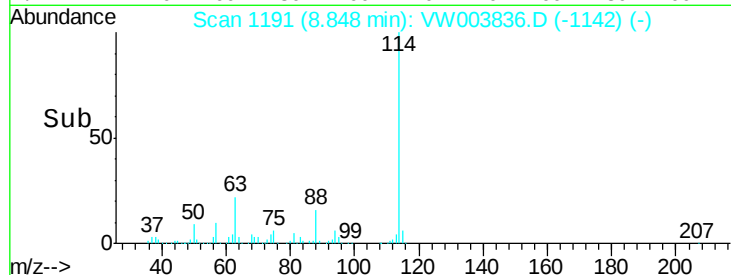
150000

100000

50000

0

Time--> 8.70 8.80 8.90 9.00



#35

Dibromofluoromethane

Concen: 35.927 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

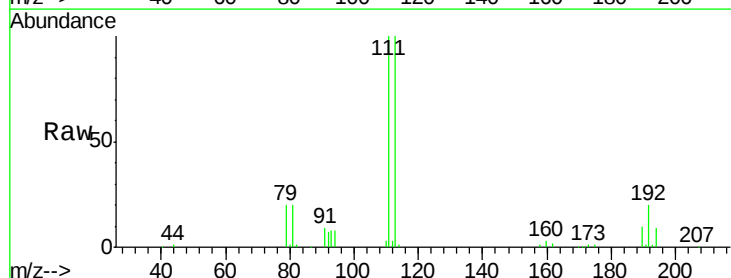
Tgt Ion:113 Resp: 61733

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

192 19.2 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

7.88

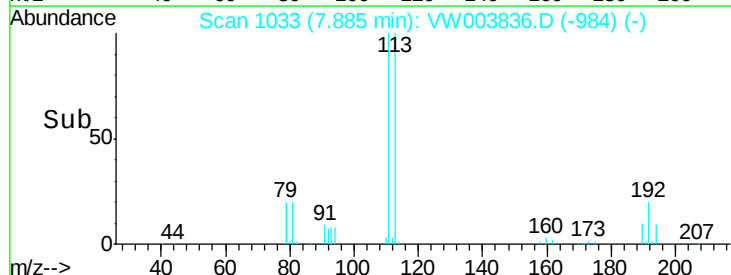
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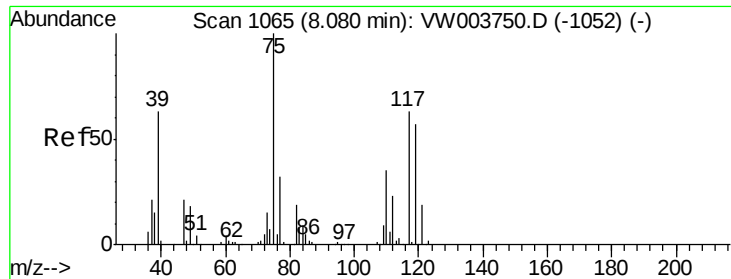
20000

10000

0

Time--> 7.80 7.90 8.00

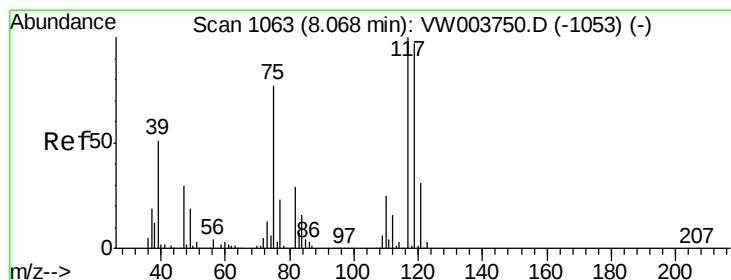
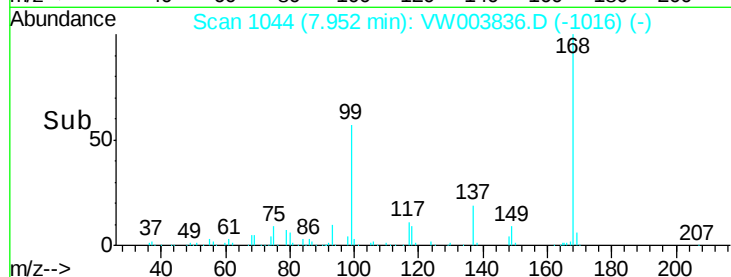
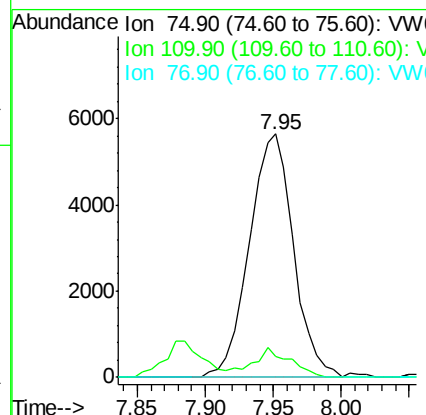
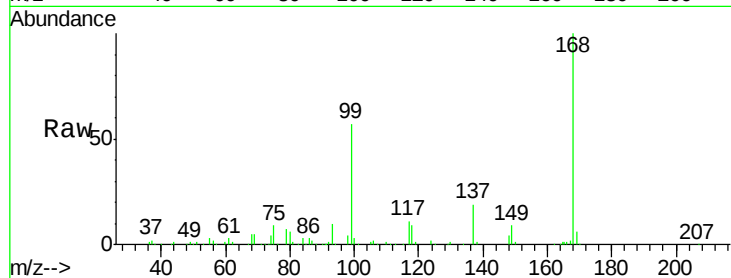




#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003836.D
 Acq: 10 Jul 2018 19:59

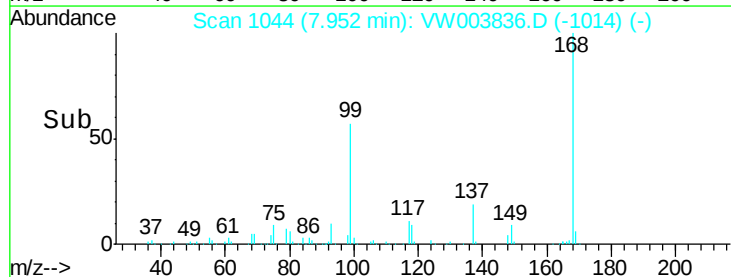
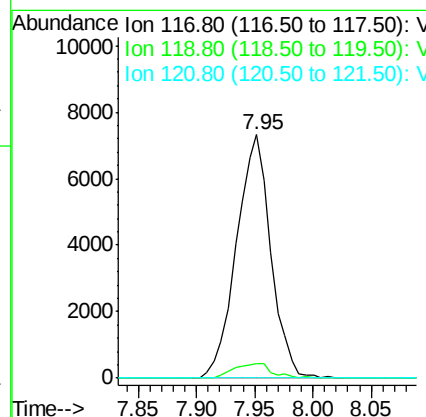
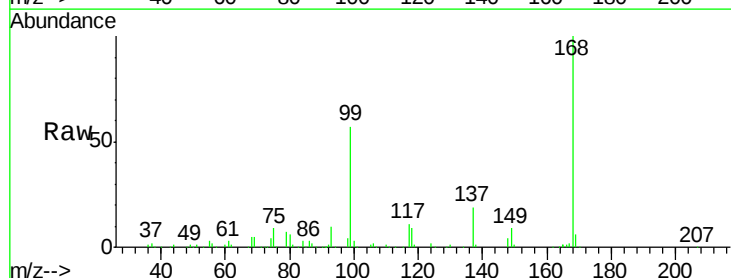
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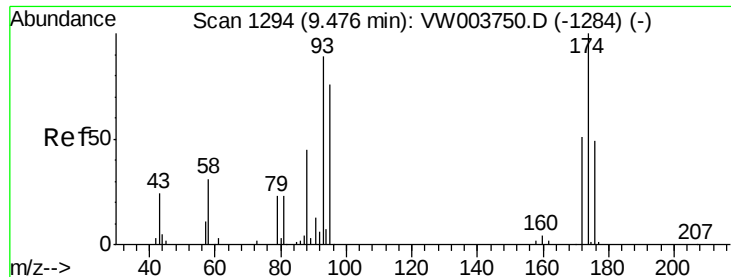
Tot Ion: 75 Resp: 12783
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003836.D
 Acq: 10 Jul 2018 19:59

Tgt Ion: 117 Resp: 15032
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.4 116.2#
 121 0.0 24.6 37.0#

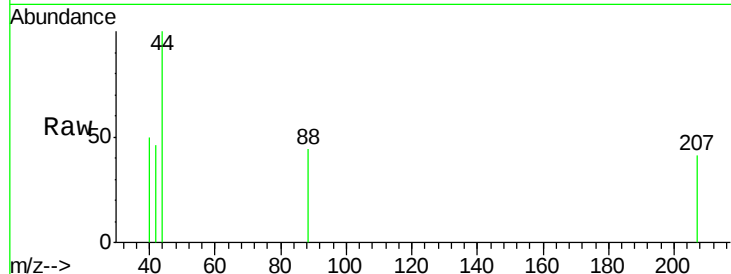




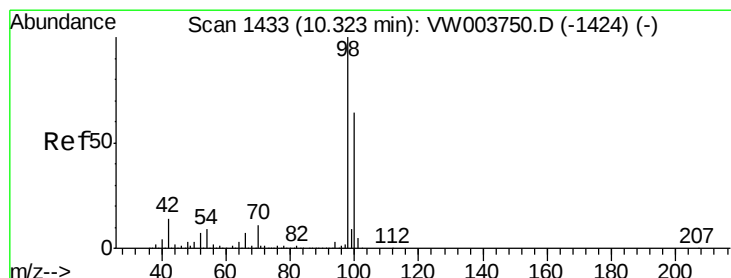
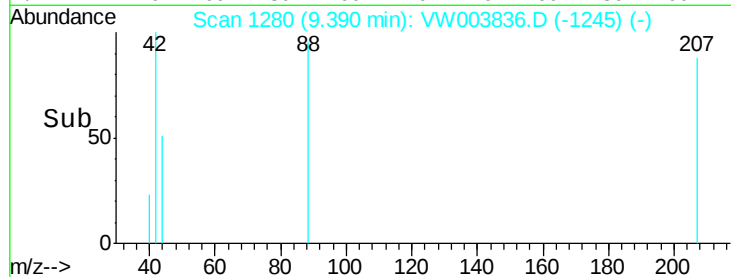
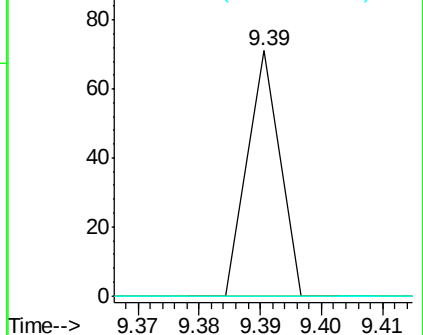
#49
1,4-Dioxane
Concen: 1.709 ug/l
RT: 9.39 min Scan# 1280
Delta R.T. -0.09 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-14RE

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 59.7 89.5#

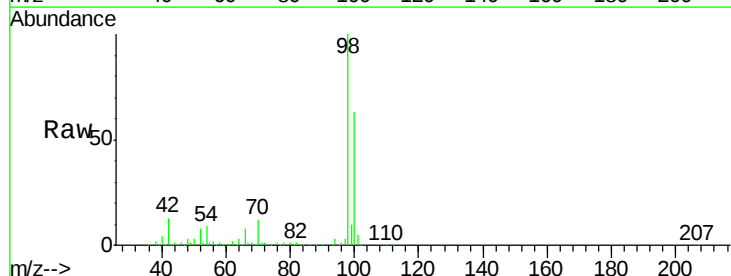


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

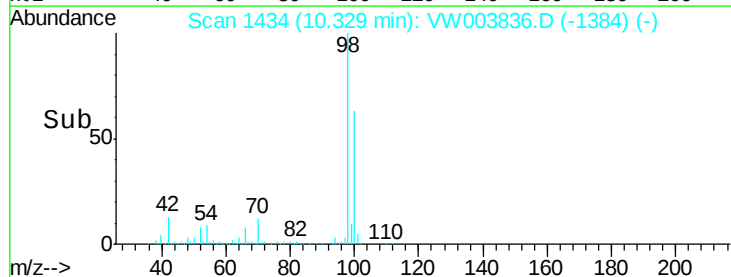
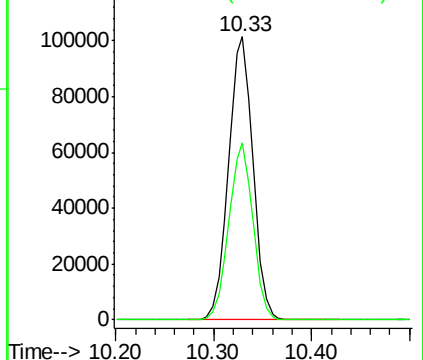


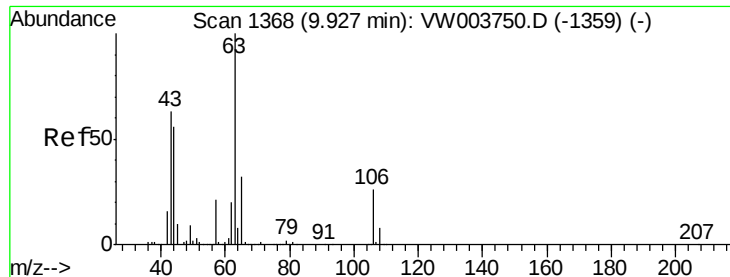
#50
Toluene-d8
Concen: 26.639 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Tgt Ion: 98 Resp: 175091
Ion Ratio Lower Upper
98 100
100 61.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

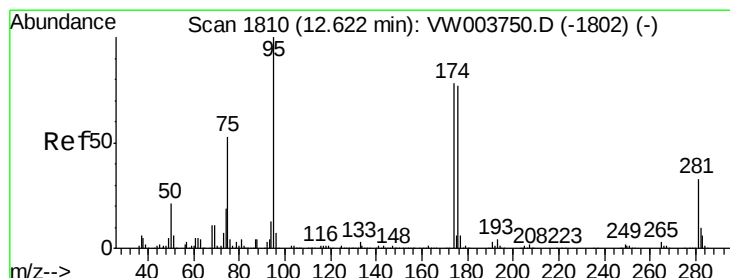
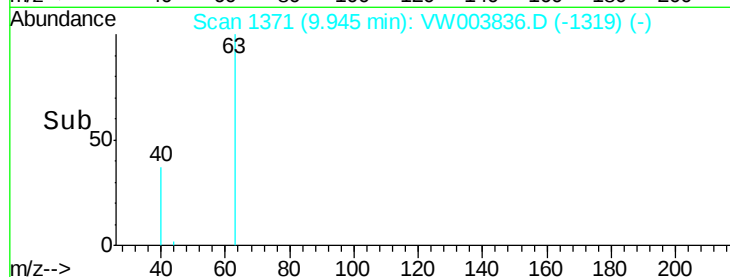
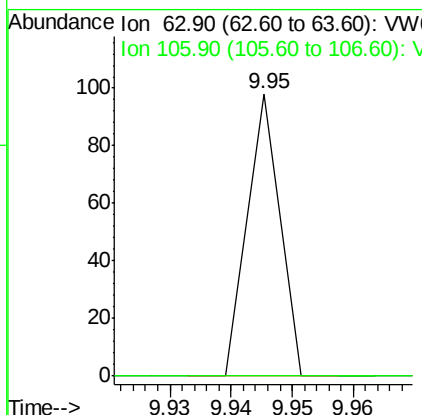
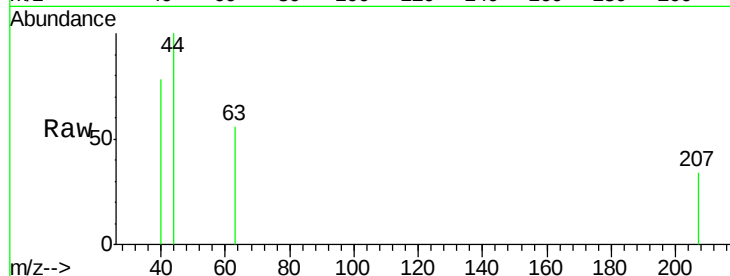




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.205 ug/l
 RT: 9.95 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VW003836.D
 Acq: 10 Jul 2018 19:59

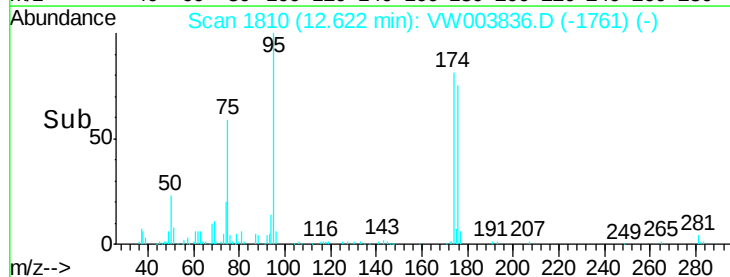
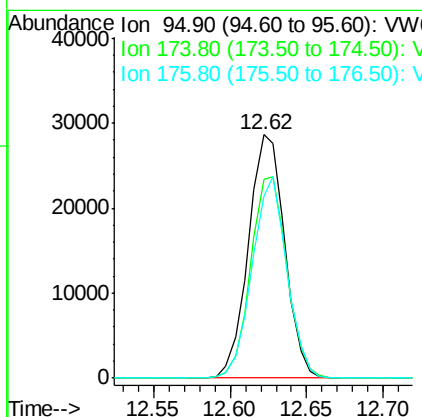
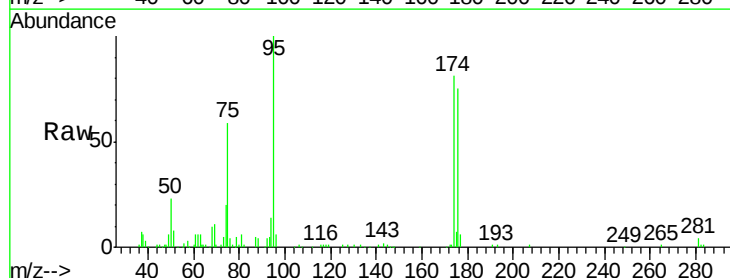
Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-14RE

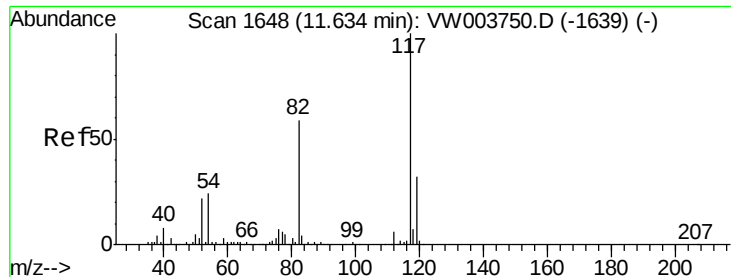
Tot Ion: 63 Resp: 36
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 19.843 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003836.D
 Acq: 10 Jul 2018 19:59

Tgt Ion: 95 Resp: 47189
 Ion Ratio Lower Upper
 95 100
 174 82.9 0.0 163.4
 176 79.1 0.0 156.8

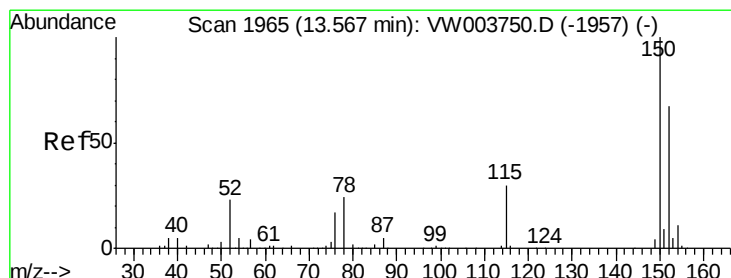
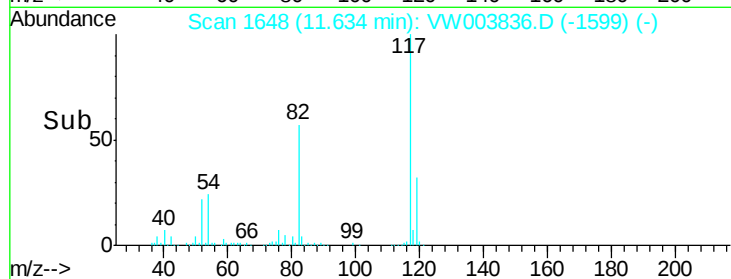
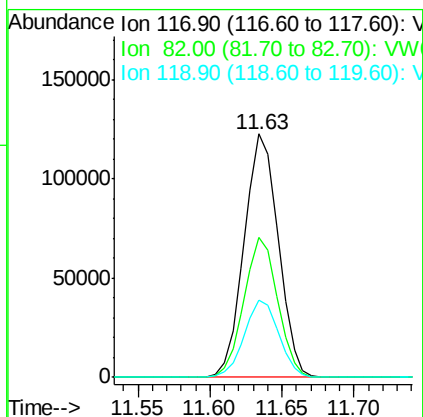
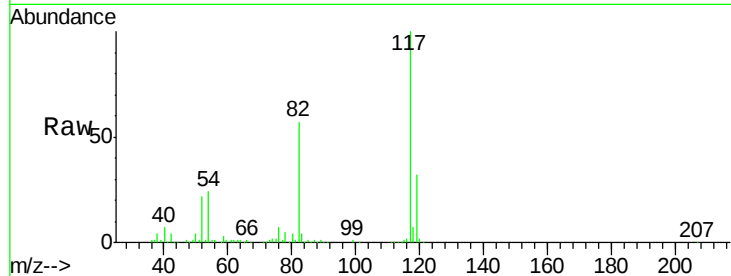




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

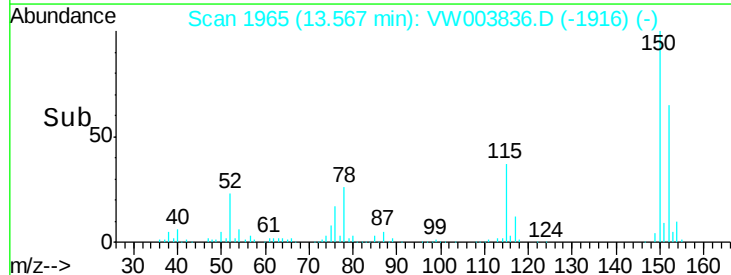
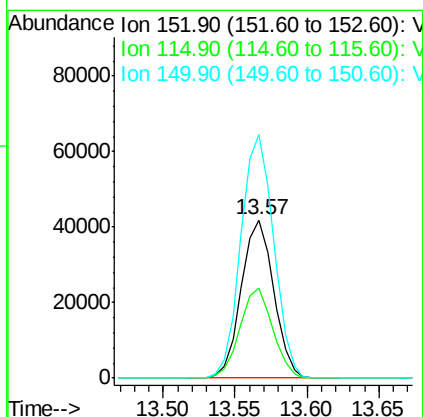
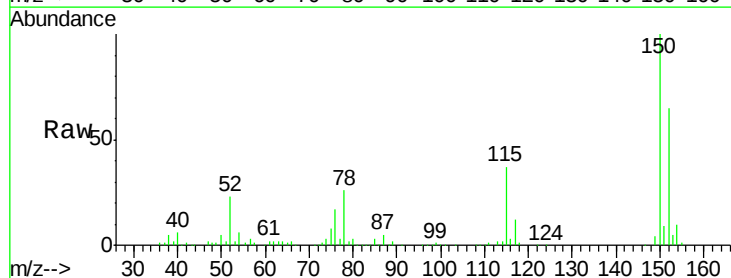
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-14RE

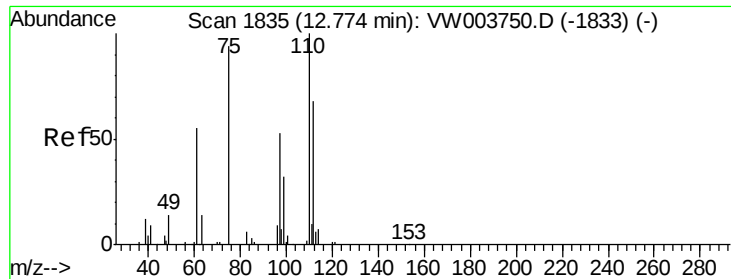
Tot Ion:117 Resp: 201303
Ion Ratio Lower Upper
117 100
82 57.4 46.9 70.3
119 31.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003836.D
Acq: 10 Jul 2018 19:59

Tgt Ion:152 Resp: 65237
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.8
150 155.9 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 40.132 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

Instrument :

MSVOA_W

ClientSampleId :

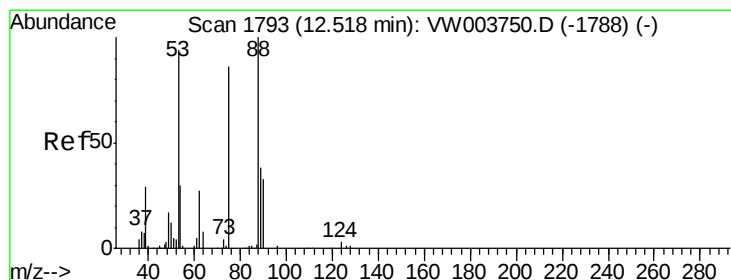
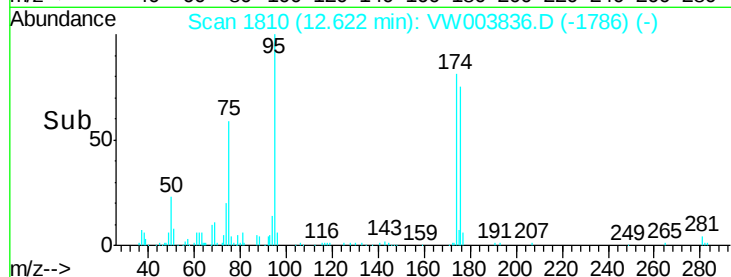
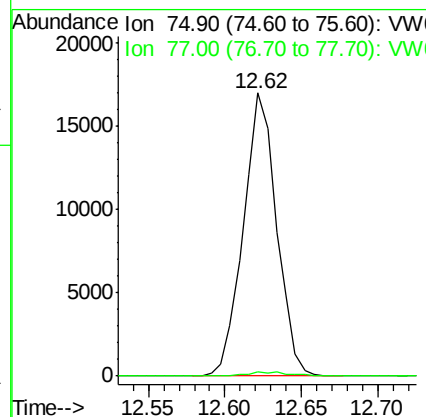
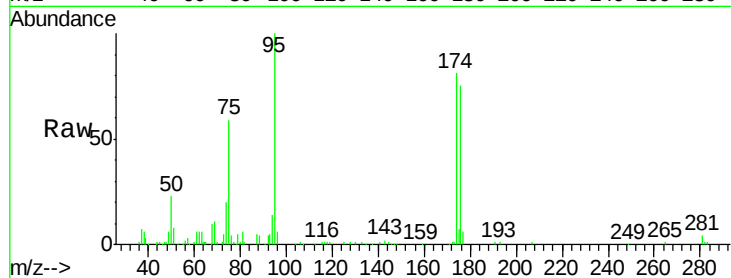
SURCHARGE-SP-14RE

Tot Ion: 75 Resp: 25709

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.172 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003836.D

Acq: 10 Jul 2018 19:59

Tgt Ion: 75 Resp: 25709

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.6#

89 0.0 36.3 54.5#

