

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003816.D
 Acq On : 10 Jul 2018 09:46
 Operator : SY/AP
 Sample : J3880-20
 Misc : 4.68G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-20

Quant Time: Jul 10 10:47:44 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	97120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	166433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	132503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39957	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	70657	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	
35) Dibromofluoromethane	7.88	113	59642	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.33	98	165819	37.21	ug/l	0.00
Spiked Amount			Recovery	=	74.42%	
62) 4-Bromofluorobenzene	12.62	95	42476	26.35	ug/l	0.00
Spiked Amount			Recovery	=	52.70%	

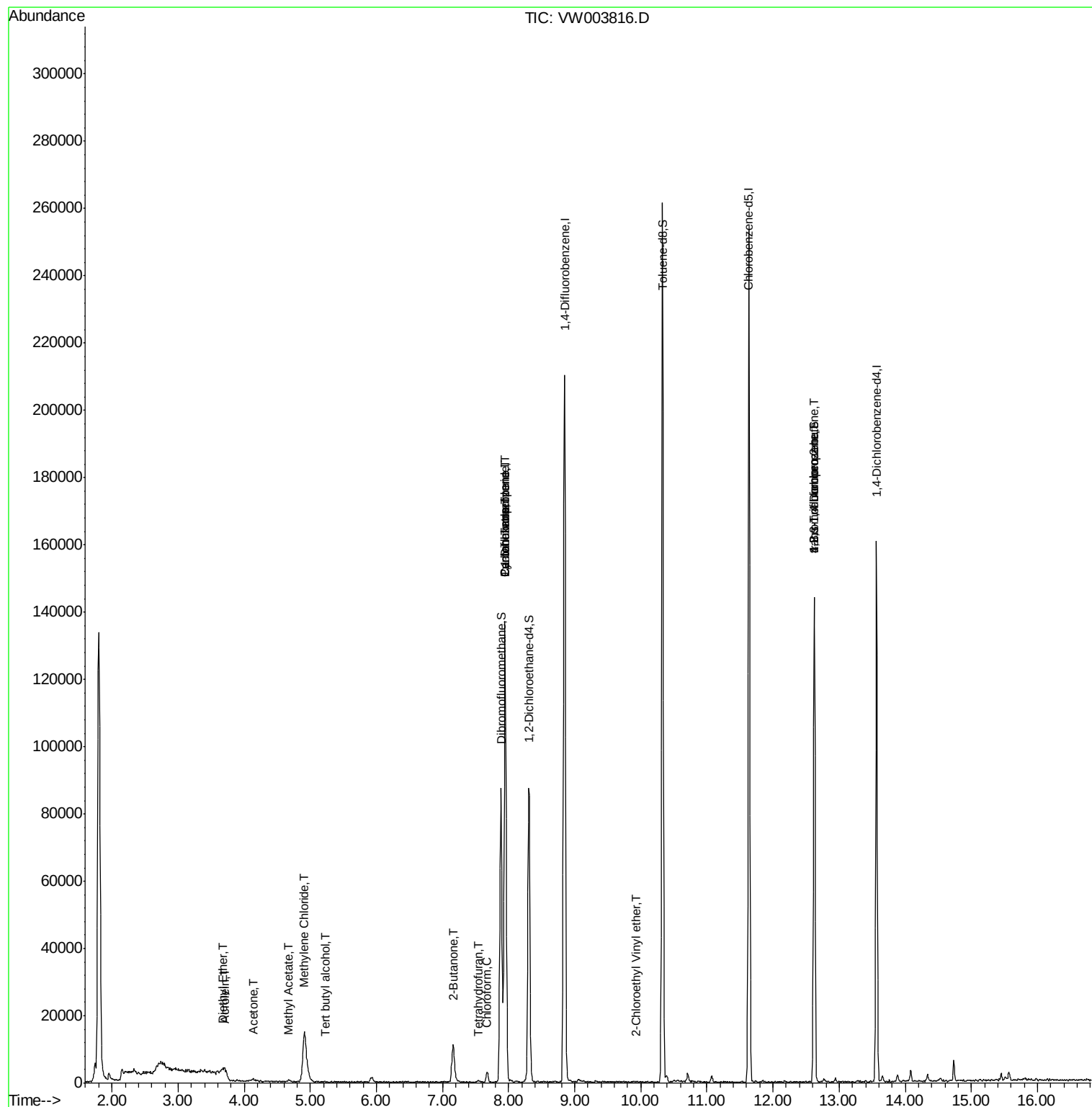
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	663	1.354	ug/l #	7
11) Tert butyl alcohol	5.21	59	100	1.453	ug/l #	70
13) Acrolein	3.70	56	63	5.282	ug/l #	47
16) Acetone	4.14	43	1431	6.494	ug/l #	77
18) Methyl Acetate	4.68	43	782	1.259	ug/l	99
20) Methylene Chloride	4.91	84	14300	9.790	ug/l	90
25) 2-Butanone	7.17	43	868	2.515	ug/l #	51
29) Tetrahydrofuran	7.54	42	485	2.186	ug/l #	40
30) Chloroform	7.67	83	2839	1.320	ug/l #	83
31) Cyclohexane	7.95	56	2680	1.446	ug/l #	35
36) 1,1-Dichloropropene	7.95	75	8621	4.882	ug/l #	50
38) Carbon Tetrachloride	7.95	117	9983	5.946	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.93	63	86	13.300	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	23136	58.965	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	23136	144.241	ug/l #	8

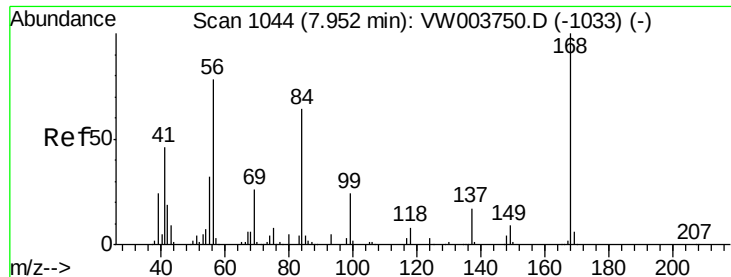
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

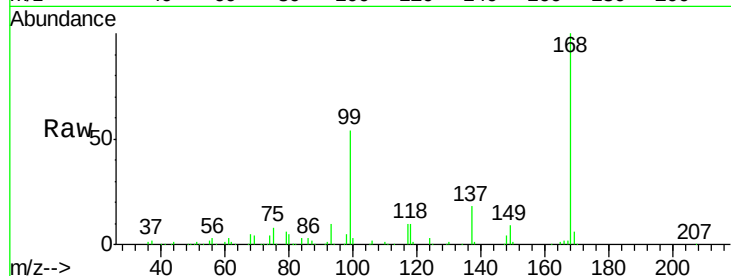
SURCHARGE-SP-20

Tot Ion:168 Resp: 97120

Ion Ratio Lower Upper

168 100

99 53.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

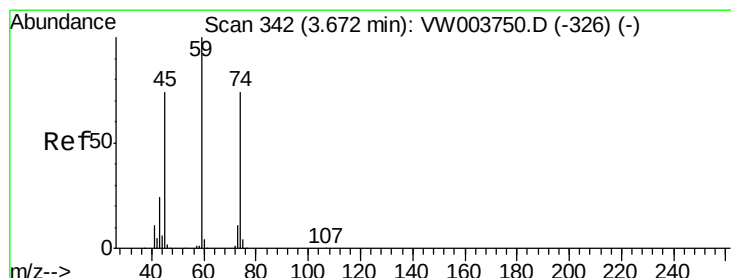
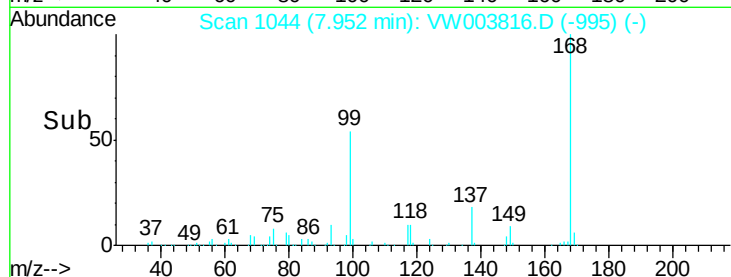
30000

20000

10000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#8

Diethyl Ether

Concen: 1.354 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW003816.D

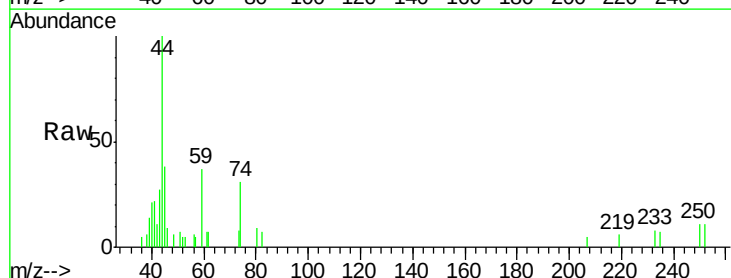
Acq: 10 Jul 2018 09:46

Tgt Ion: 74 Resp: 663

Ion Ratio Lower Upper

74 100

45 199.8 52.4 157.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

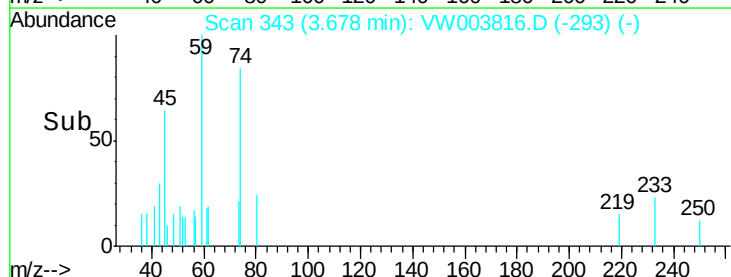
300

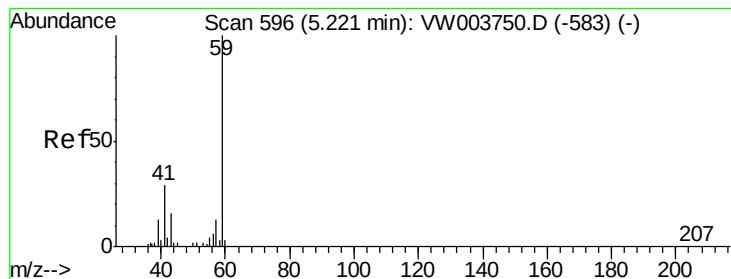
200

100

0

Time--> 3.60 3.65 3.70





#11

Tert butyl alcohol

Concen: 1.453 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.01 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

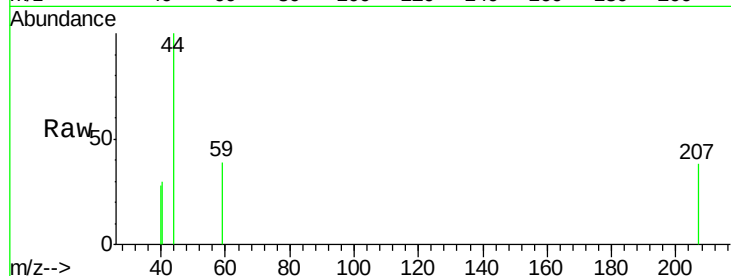
SURCHARGE-SP-20

Tot Ion: 59 Resp: 100

Ion Ratio Lower Upper

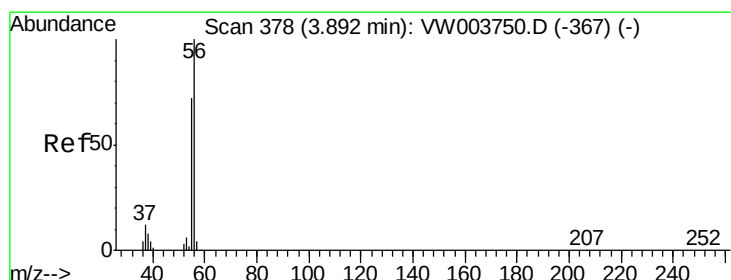
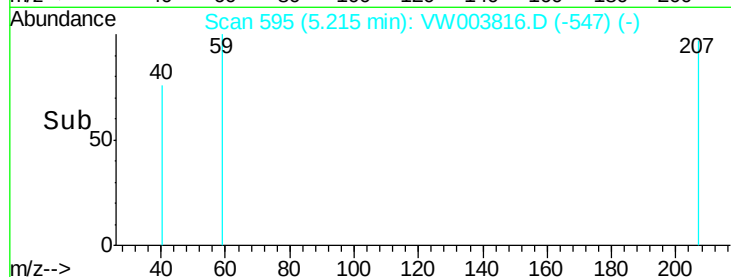
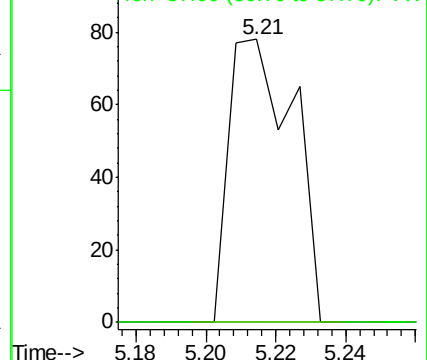
59 100

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: 5.282 ug/l

RT: 3.70 min Scan# 347

Delta R.T. -0.19 min

Lab File: VW003816.D

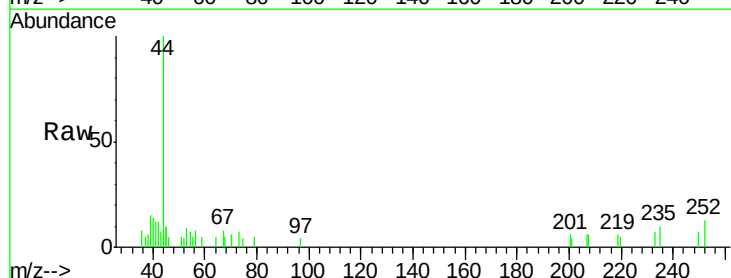
Acq: 10 Jul 2018 09:46

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

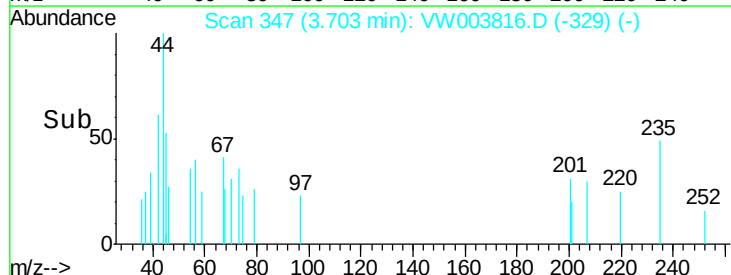
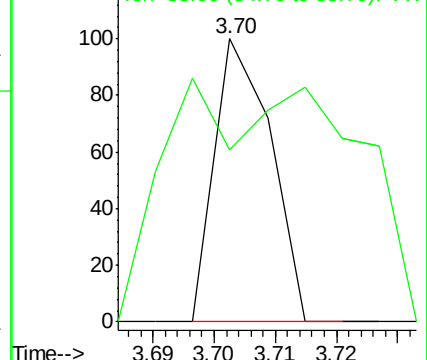
56 100

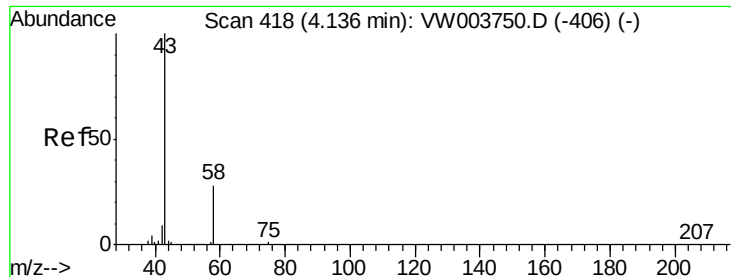
55 115.9 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

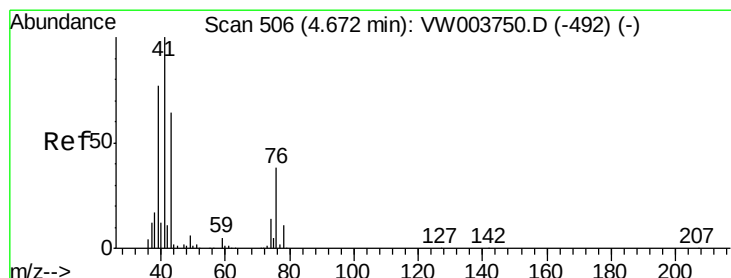
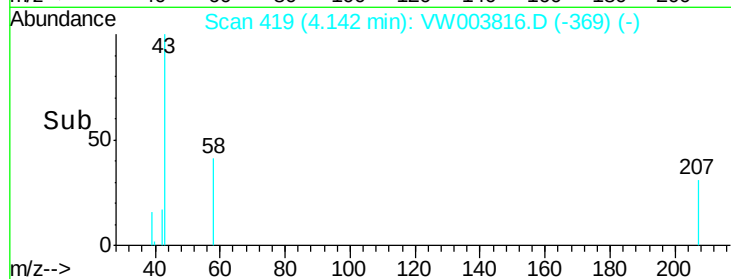
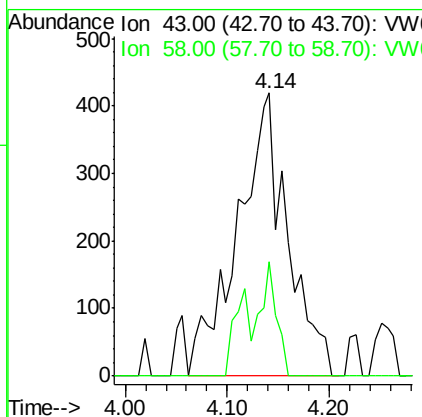
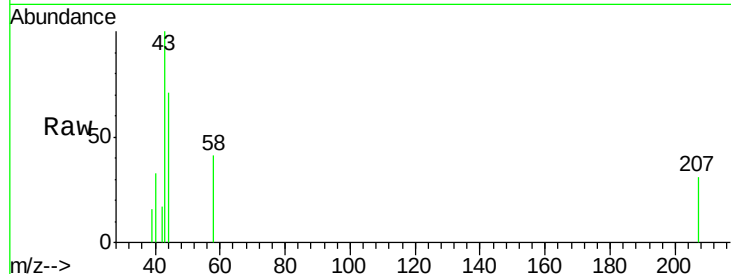




#16
Acetone
Concen: 6.494 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

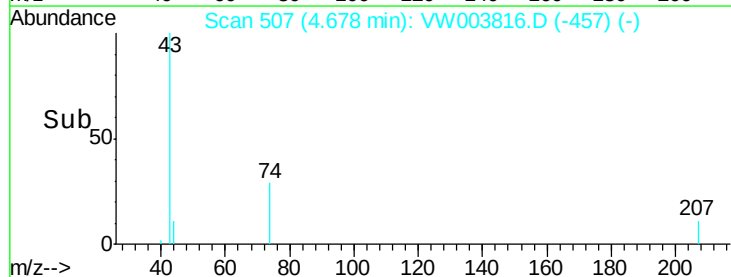
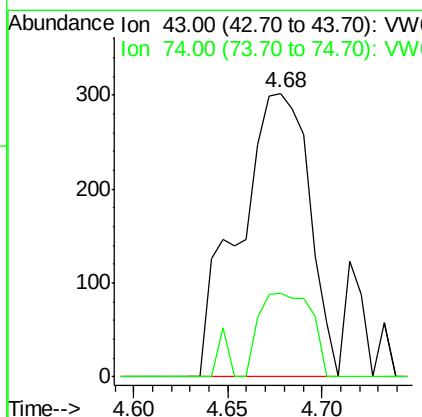
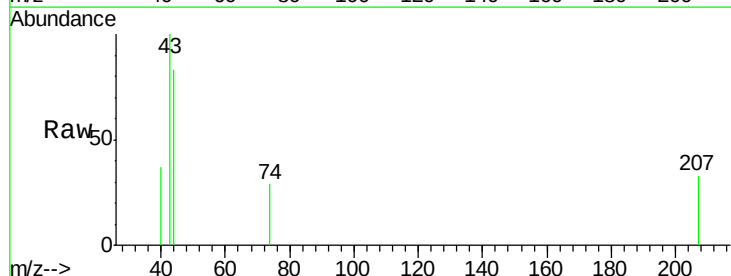
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-20

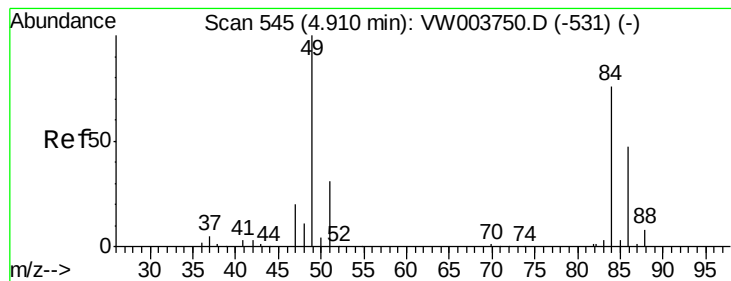
Tot Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
58 40.6 22.6 34.0#



#18
Methyl Acetate
Concen: 1.259 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
74 22.1 17.3 25.9





#20

Methvlene Chloride

Concen: 9.790 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-20

Tot Ion: 84 Resp: 14300

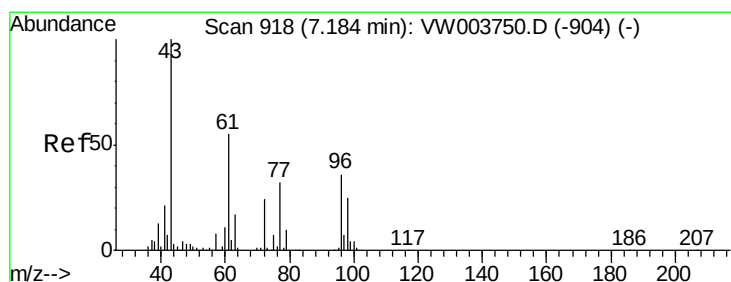
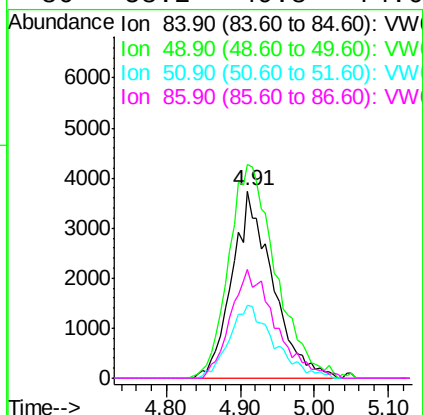
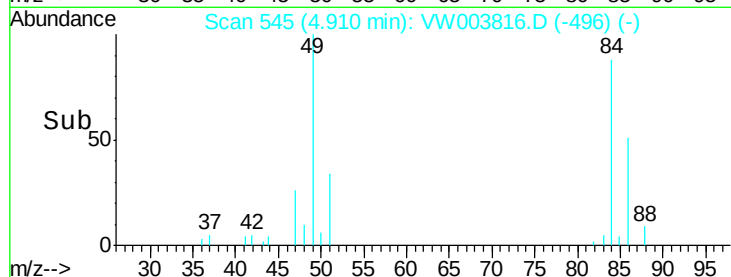
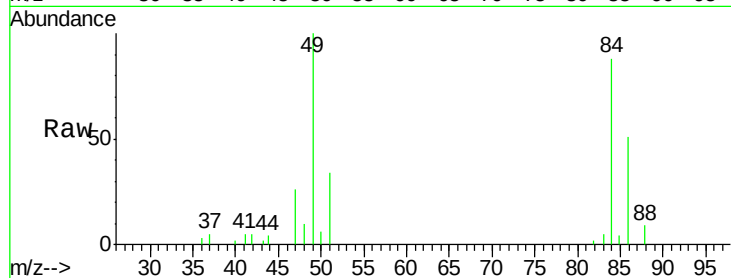
Ion Ratio Lower Upper

84 100

49 113.9 105.1 157.7

51 39.1 32.5 48.7

86 58.2 49.8 74.6



#25

2-Butanone

Concen: 2.515 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003816.D

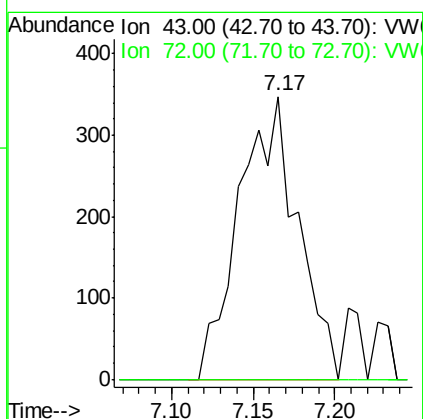
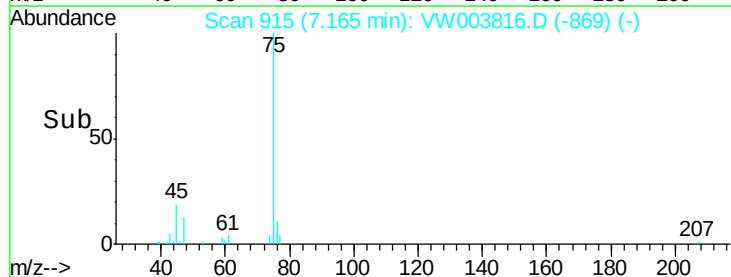
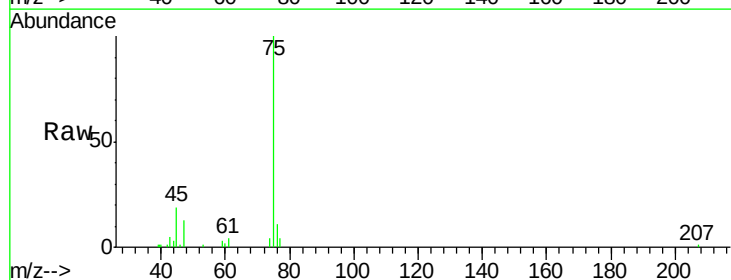
Acq: 10 Jul 2018 09:46

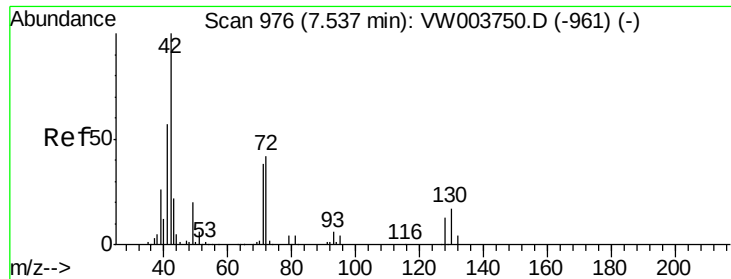
Tgt Ion: 43 Resp: 868

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

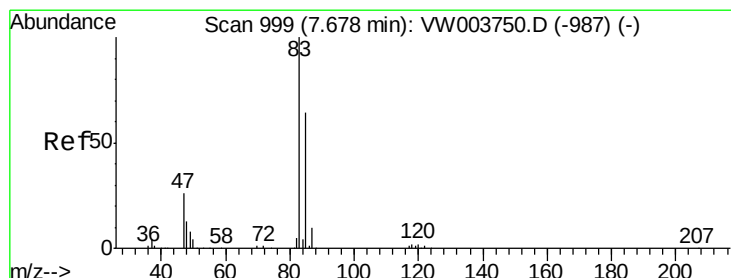
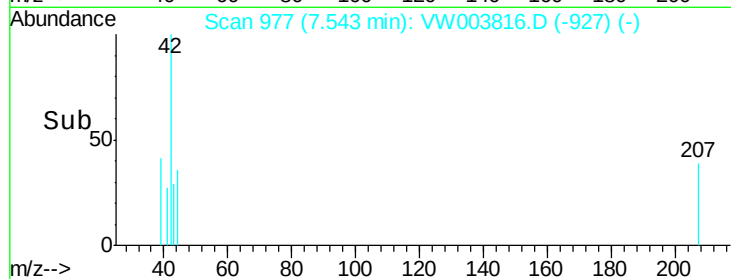
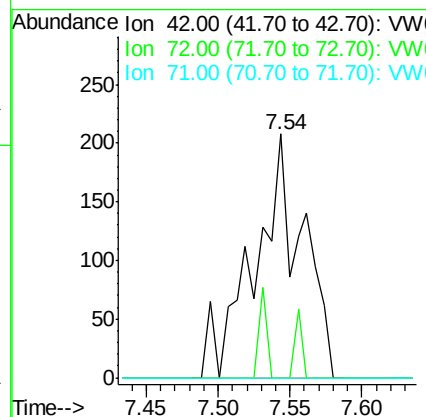
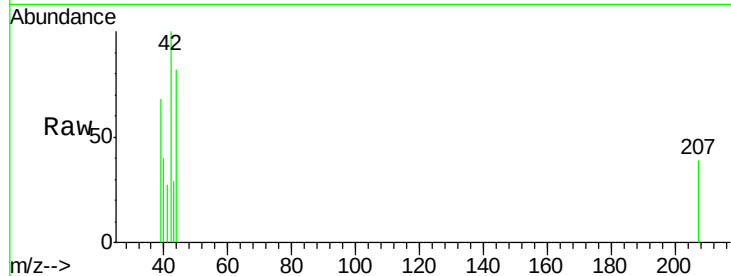




#29
Tetrahydrofuran
Concen: 2.186 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

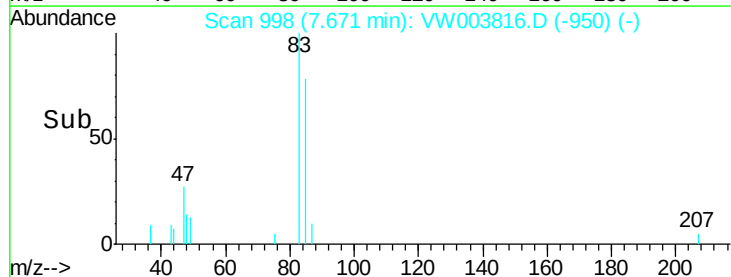
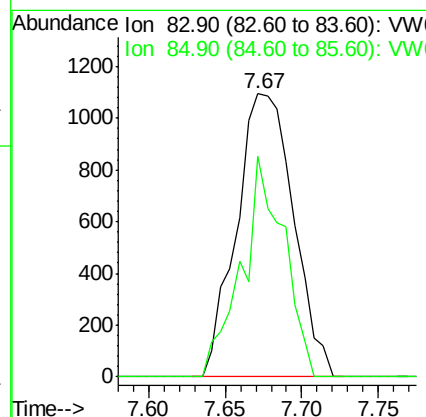
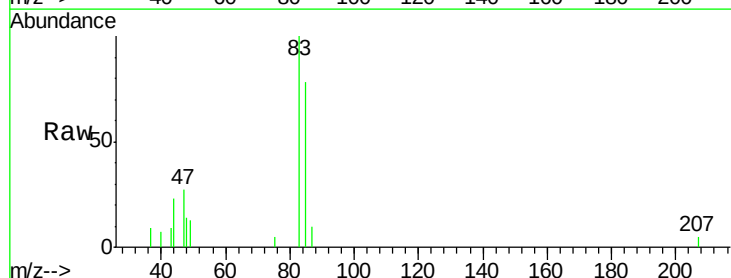
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SURCHARGE-SP-20

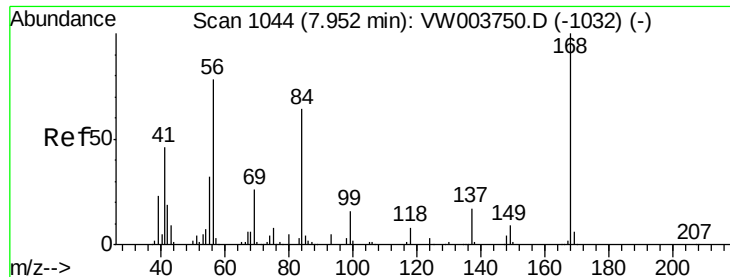
Tot Ion: 42 Resp: 485
Ion Ratio Lower Upper
42 100
72 4.3 31.8 47.8#
71 0.0 30.3 45.5#



#30
Chloroform
Concen: 1.320 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

Tgt Ion: 83 Resp: 2839
Ion Ratio Lower Upper
83 100
85 78.1 51.5 77.3#





#31

Cyclohexane

Concen: 1.446 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-20

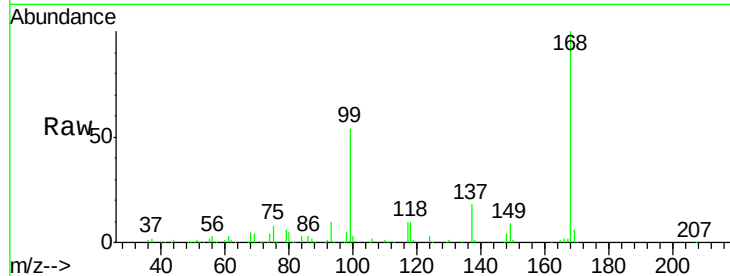
Tot Ion: 56 Resp: 2680

Ion Ratio Lower Upper

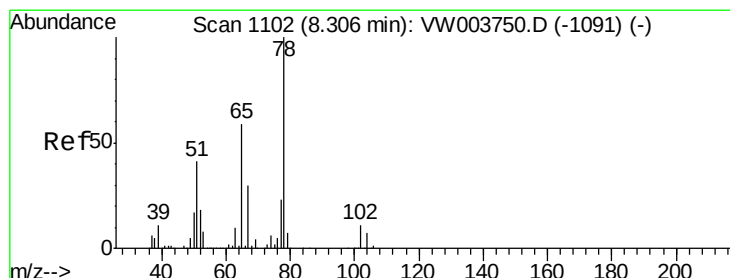
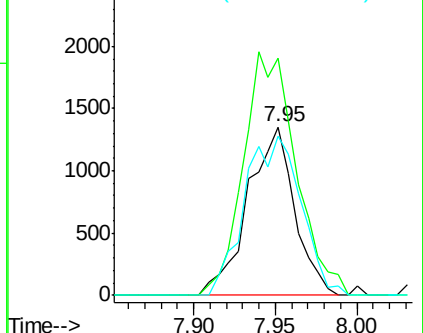
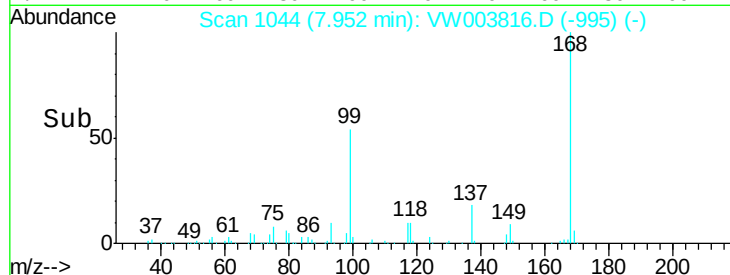
56 100

69 140.4 26.2 39.4#

84 94.5 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: 55.633 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003816.D

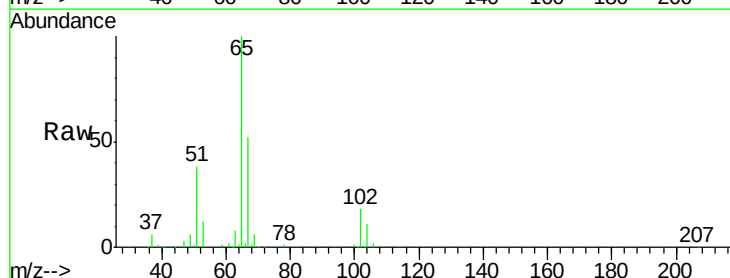
Acq: 10 Jul 2018 09:46

Tgt Ion: 65 Resp: 70657

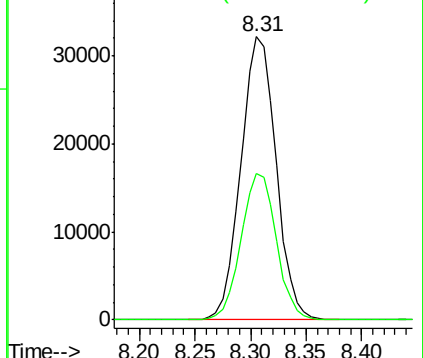
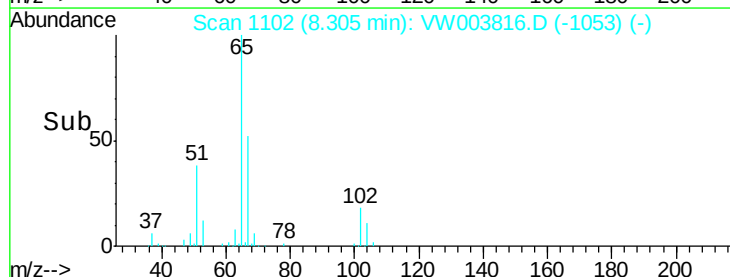
Ion Ratio Lower Upper

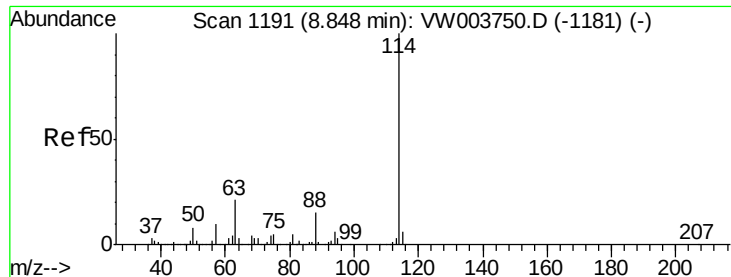
65 100

67 51.7 0.0 103.8



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

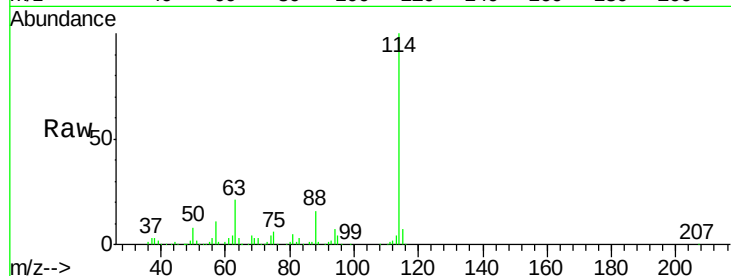




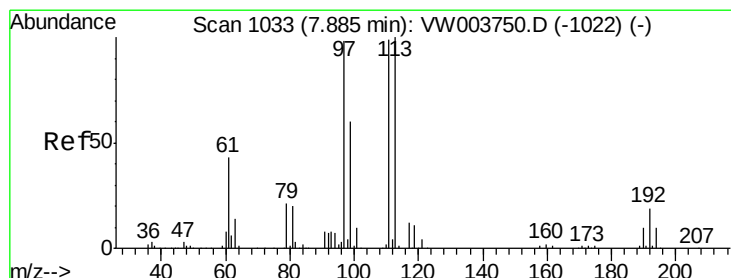
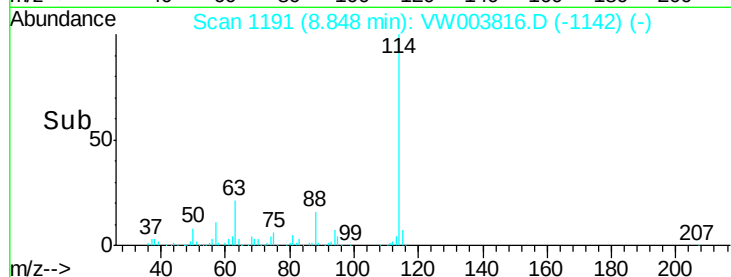
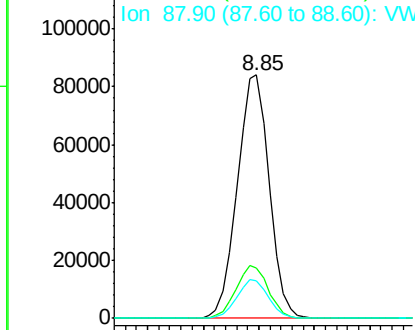
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003816.D
 Acq: 10 Jul 2018 09:46

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-20

Tot Ion:114 Resp: 166433
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.8
 88 15.5 0.0 30.2

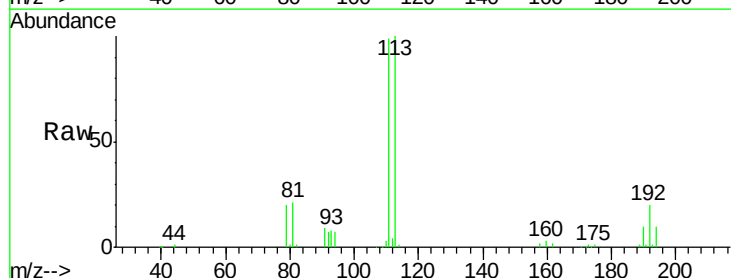


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

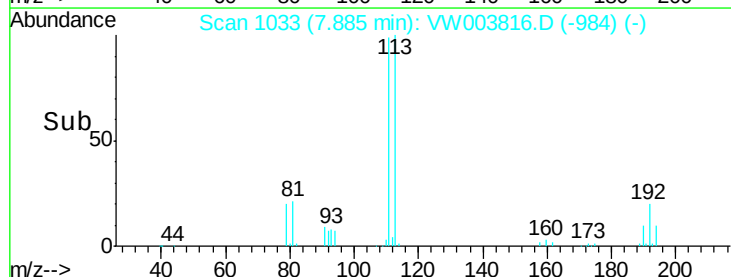
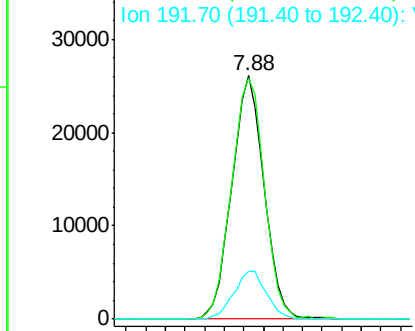


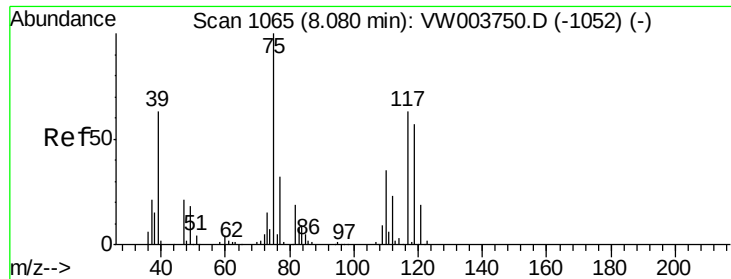
#35
 Dibromofluoromethane
 Concen: 51.202 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003816.D
 Acq: 10 Jul 2018 09:46

Tgt Ion:113 Resp: 59642
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.7 122.5
 192 20.0 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: 4.882 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-20

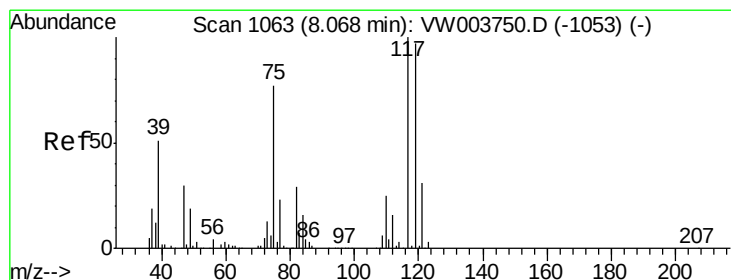
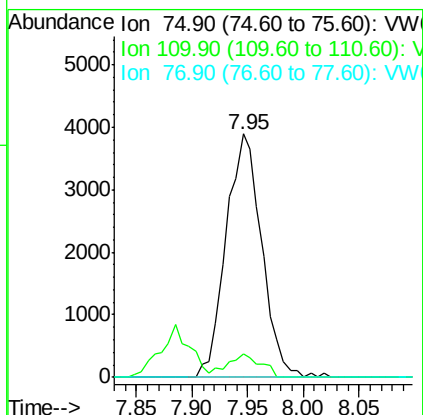
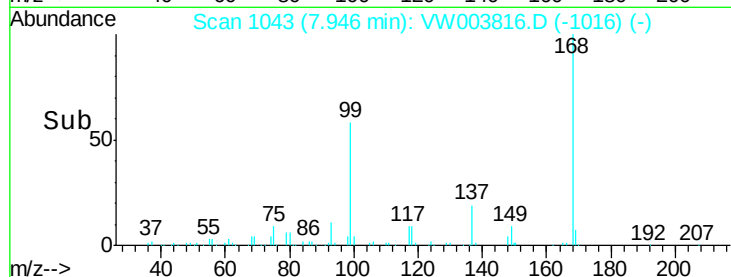
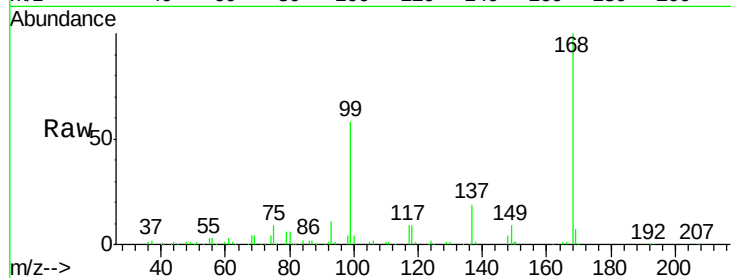
Tot Ion: 75 Resp: 8621

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.946 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

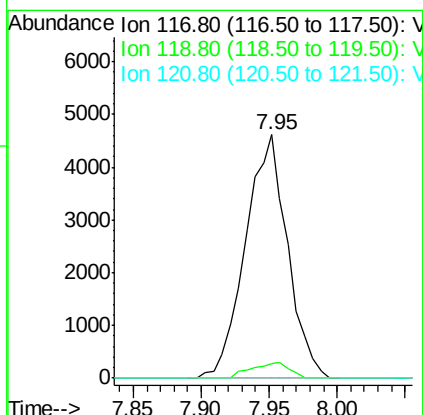
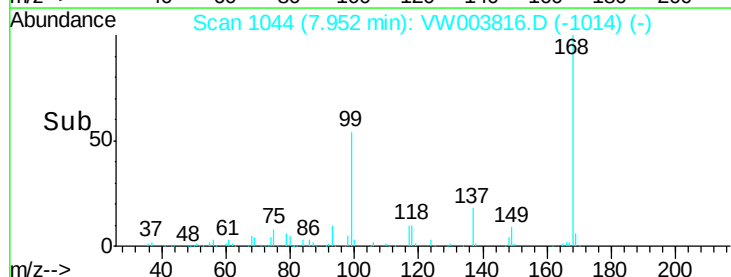
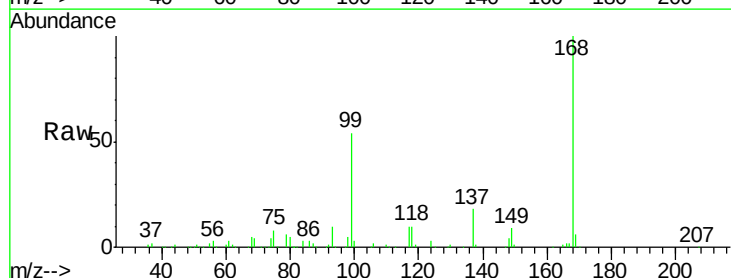
Tgt Ion: 117 Resp: 9983

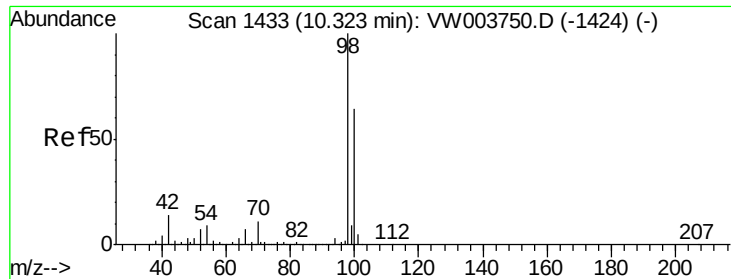
Ion Ratio Lower Upper

117 100

119 5.7 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 37.214 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

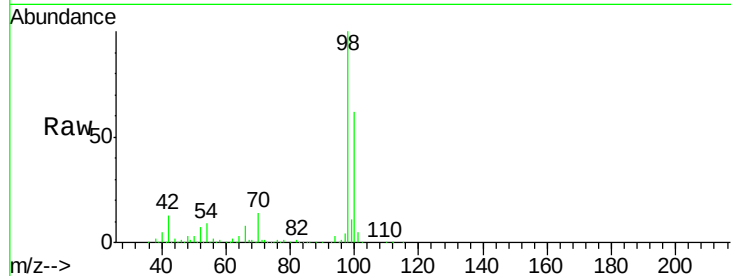
SURCHARGE-SP-20

Tot Ion: 98 Resp: 165819

Ion Ratio Lower Upper

98 100

100 61.4 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

100000

80000

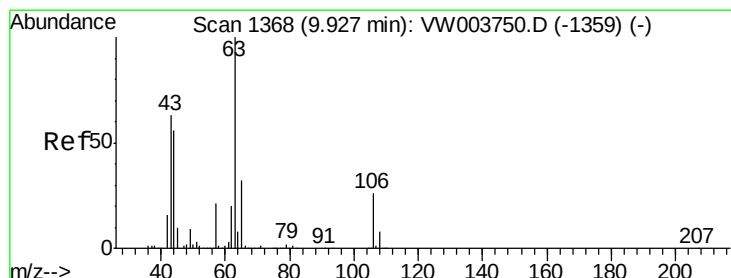
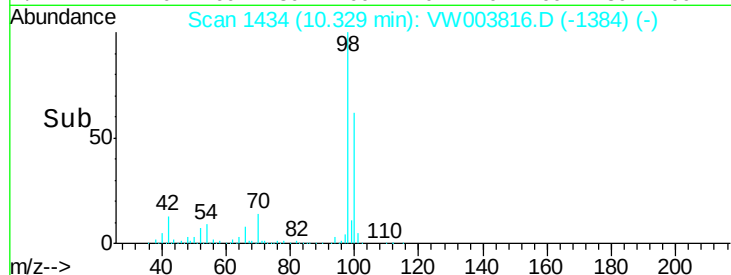
60000

40000

20000

0

Time--> 10.20 10.30 10.40



#58

2-Chloroethyl Vinyl ether

Concen: 13.300 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003816.D

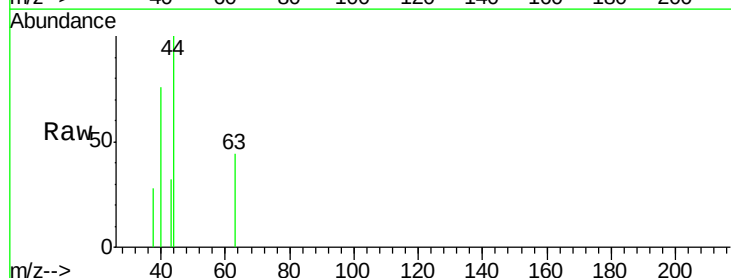
Acq: 10 Jul 2018 09:46

Tgt Ion: 63 Resp: 86

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): VW

9.93

100

80

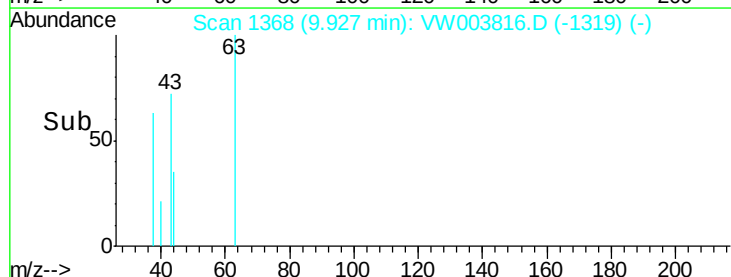
60

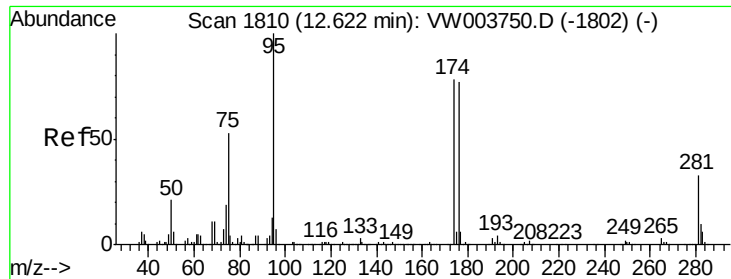
40

20

0

Time--> 9.90 9.92 9.94

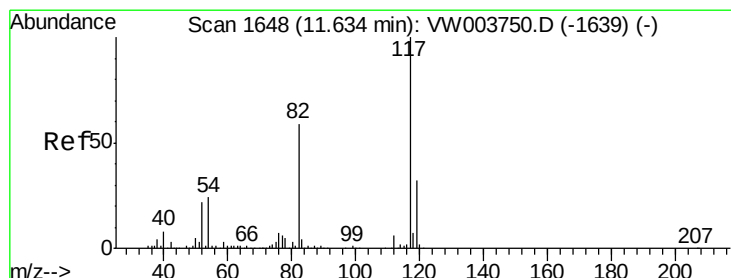
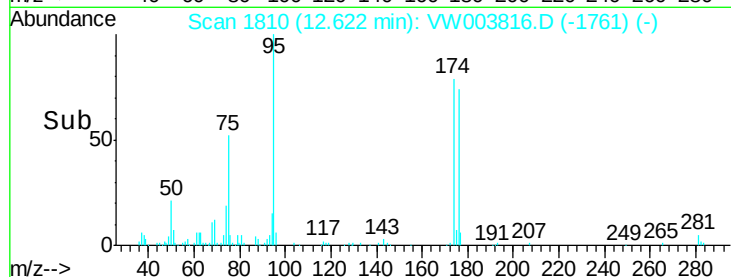
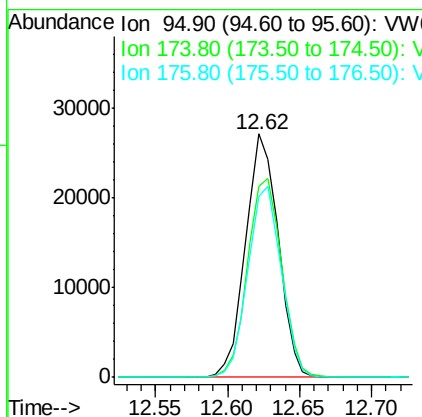
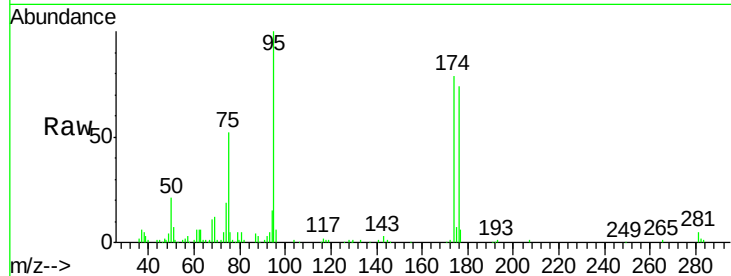




#62
4-Bromofluorobenzene
Concen: 26.347 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

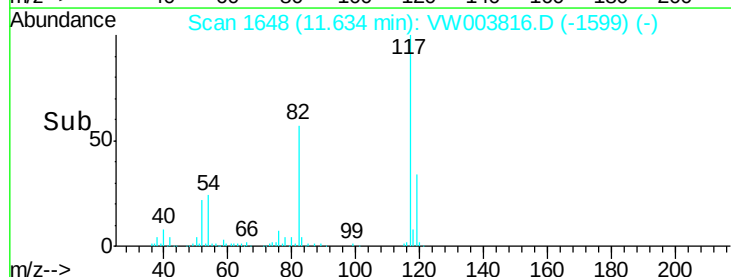
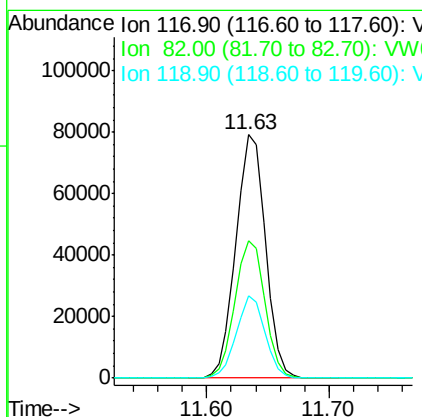
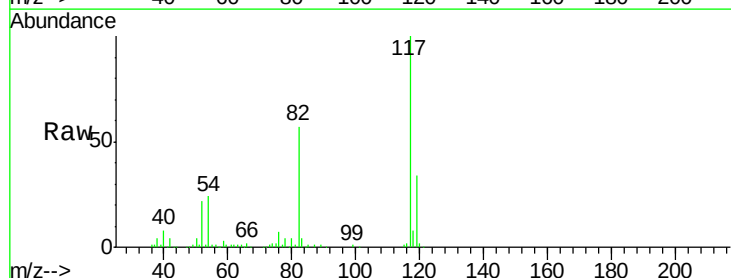
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-20

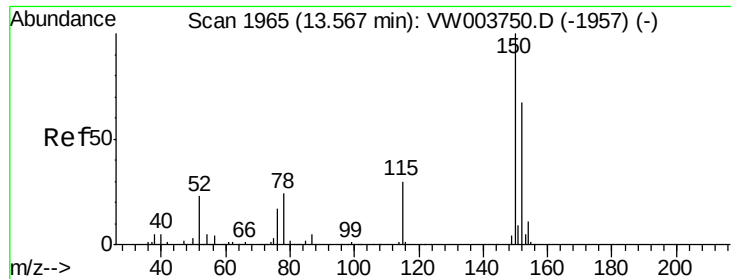
Tot Ion: 95 Resp: 42476
Ion Ratio Lower Upper
95 100
174 85.4 0.0 163.4
176 80.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

Tgt Ion: 117 Resp: 132503
Ion Ratio Lower Upper
117 100
82 56.7 46.9 70.3
119 33.6 25.5 38.3



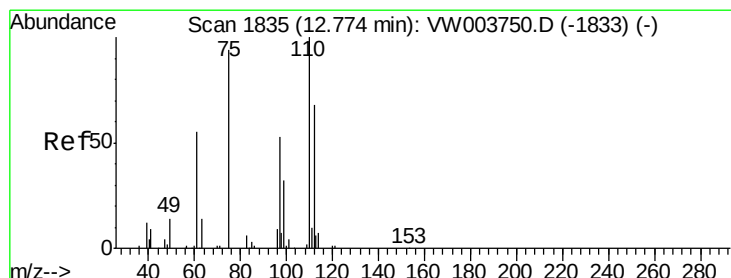
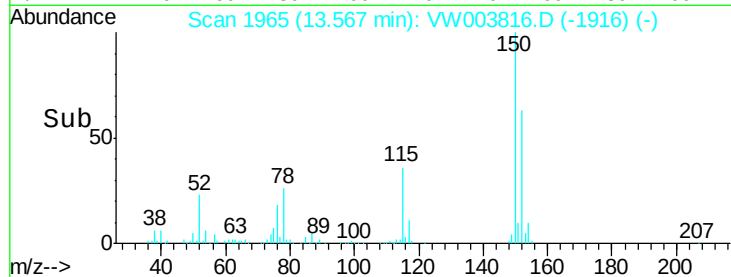
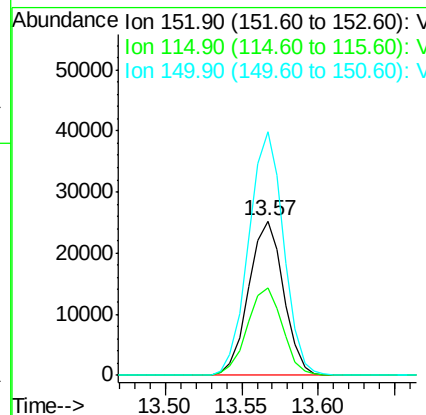
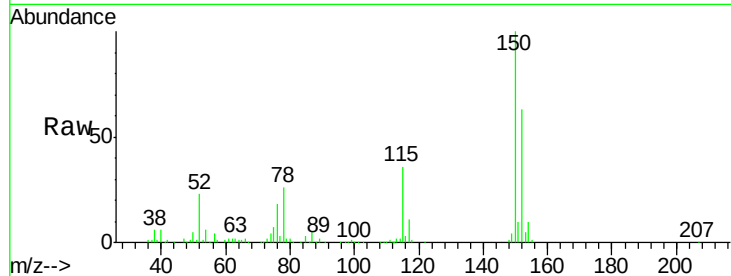


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-20

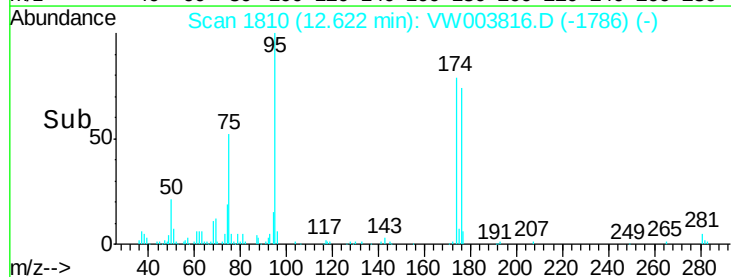
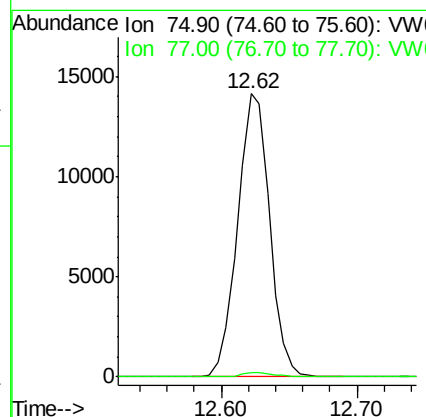
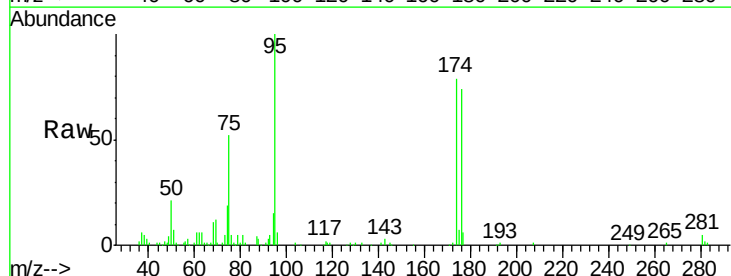
Tot Ion:152 Resp: 39957
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.8
150 158.0 0.0 342.4

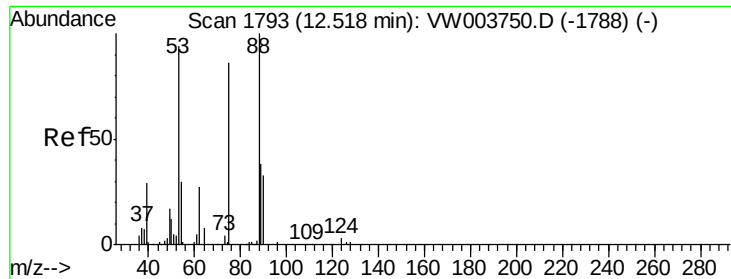


#76

1,2,3-Trichloropropane
Concen: 58.965 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003816.D
Acq: 10 Jul 2018 09:46

Tgt Ion: 75 Resp: 23136
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.241 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003816.D

Acq: 10 Jul 2018 09:46

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-20

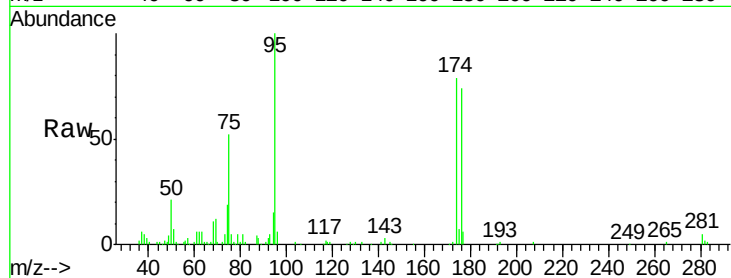
Tot Ion: 75 Resp: 23136

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.2 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

