

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003811.D
 Acq On : 10 Jul 2018 07:36
 Operator : SY/AP
 Sample : J3880-10
 Misc : 4.84G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-15

Quant Time: Jul 10 08:36:17 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	53126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	90746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	72663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	19195	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	46243	66.56	ug/l	0.00
Spiked Amount			Recovery	=	133.12%	
35) Dibromofluoromethane	7.88	113	37868	59.62	ug/l	0.00
Spiked Amount			Recovery	=	119.24%	
50) Toluene-d8	10.33	98	76004	31.28	ug/l	0.00
Spiked Amount			Recovery	=	62.56%	
62) 4-Bromofluorobenzene	12.62	95	18344	20.87	ug/l	0.00
Spiked Amount			Recovery	=	41.74%	

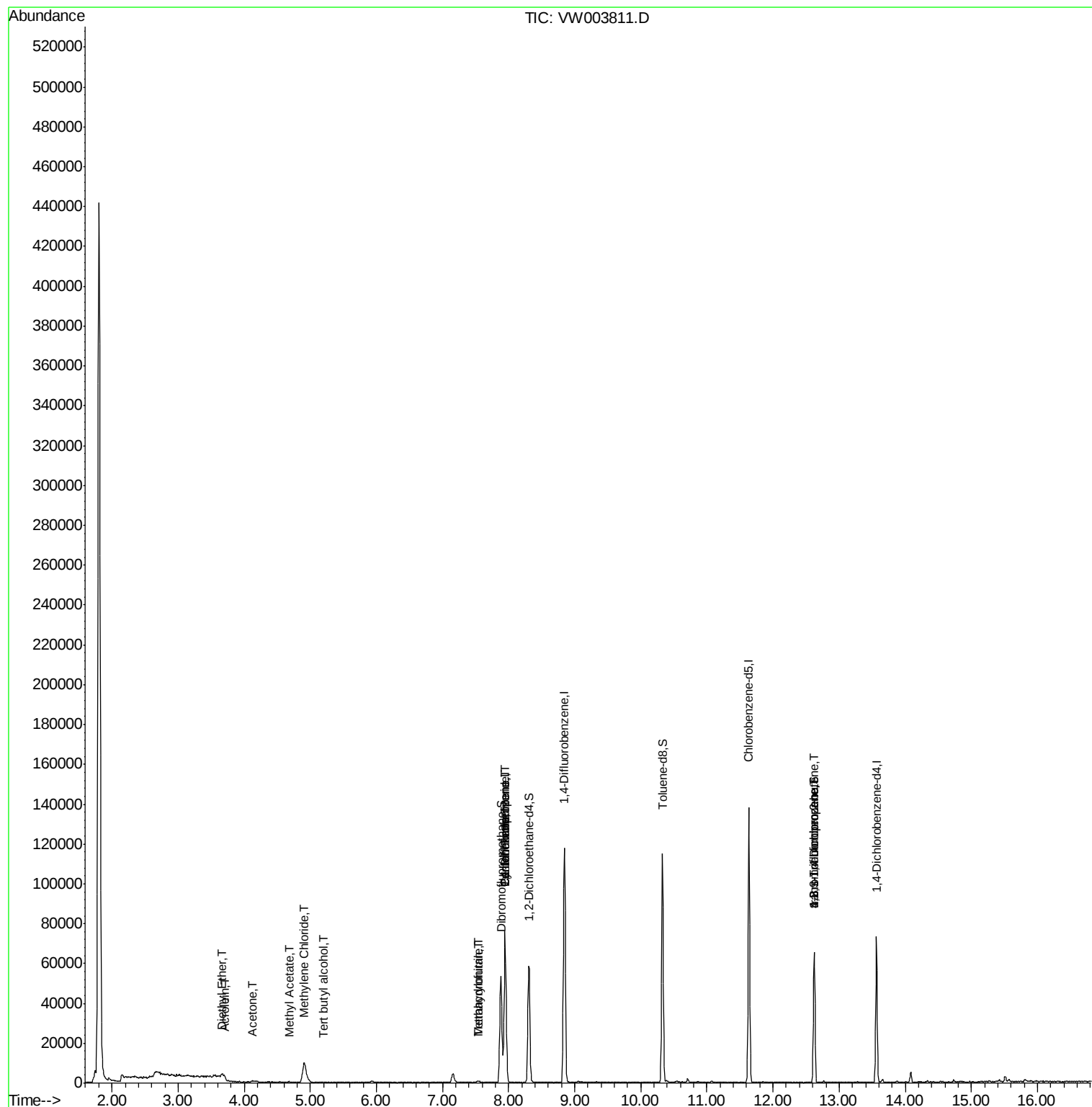
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	607	2.27	ug/l	65
11) Tert butyl alcohol	5.20	59	56	1.49	ug/l #	70
13) Acrolein	3.71	56	27	5.17	ug/l #	1
16) Acetone	4.13	43	829	6.88	ug/l	99
18) Methyl Acetate	4.67	43	943	2.77	ug/l #	70
20) Methylene Chloride	4.92	84	8922	11.84	ug/l #	94
29) Tetrahydrofuran	7.53	42	292	2.41	ug/l #	45
31) Cyclohexane	7.95	56	1685	1.66	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	4999	5.19	ug/l #	50
38) Carbon Tetrachloride	7.95	117	5892	6.44	ug/l #	15
41) Methacrylonitrile	7.54	41	290	1.08	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	10195	54.09	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	10195	132.31	ug/l #	8

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

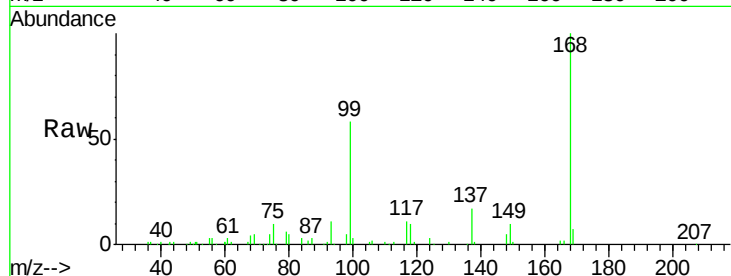
SURCHARGE-SP-15

Tot Ion:168 Resp: 53126

Ion Ratio Lower Upper

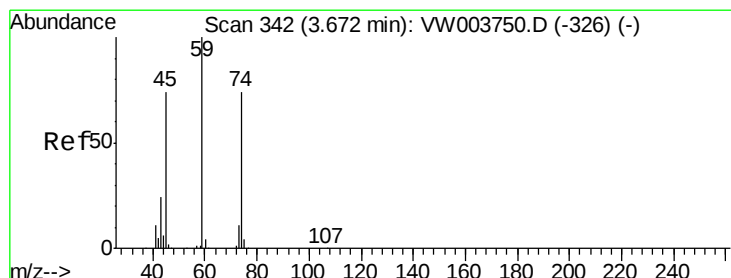
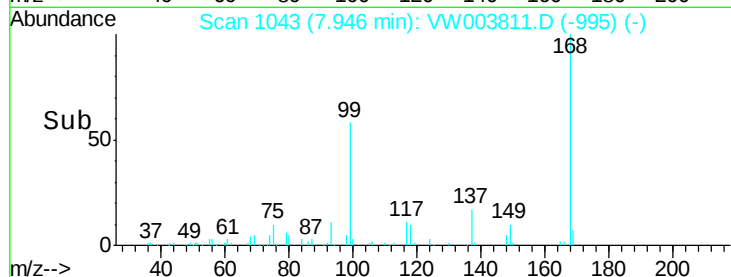
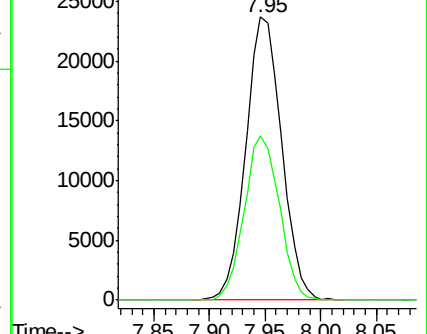
168 100

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



#8

Diethyl Ether

Concen: 2.27 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW003811.D

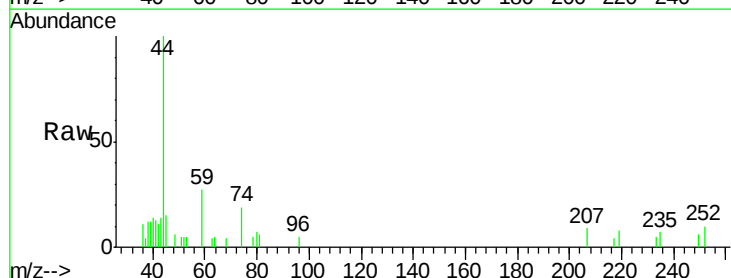
Acq: 10 Jul 2018 07:36

Tgt Ion: 74 Resp: 607

Ion Ratio Lower Upper

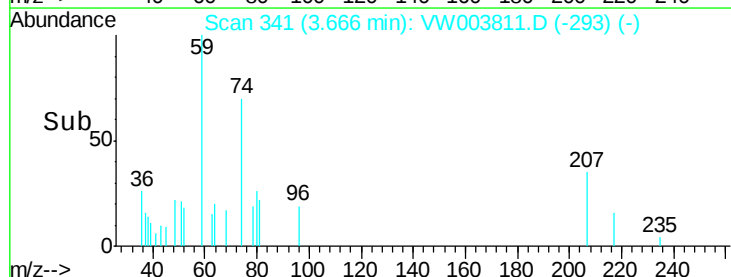
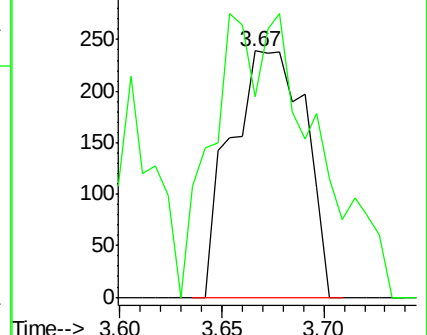
74 100

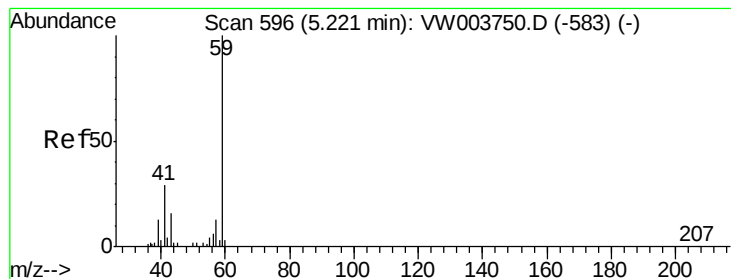
45 68.5 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.49 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

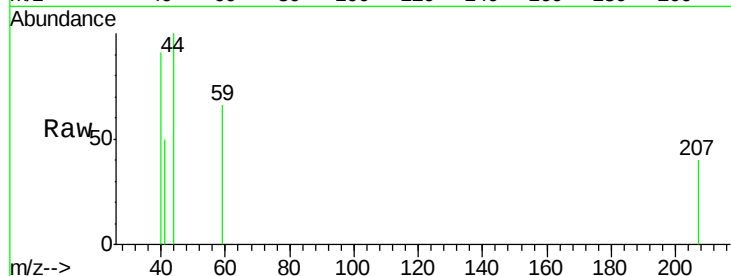
SURCHARGE-SP-15

Tot Ion: 59 Resp: 56

Ion Ratio Lower Upper

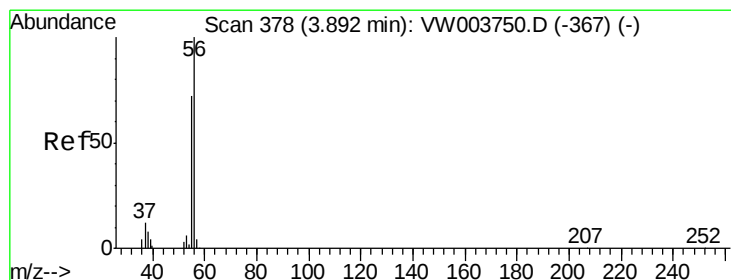
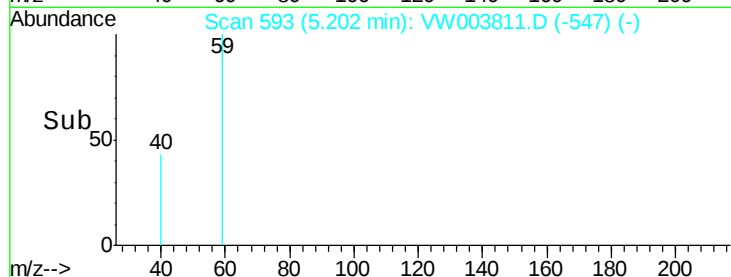
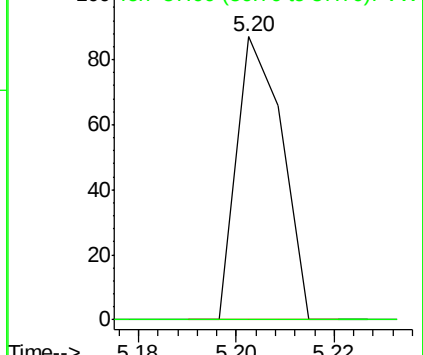
59 100

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: 5.17 ug/l

RT: 3.71 min Scan# 349

Delta R.T. -0.18 min

Lab File: VW003811.D

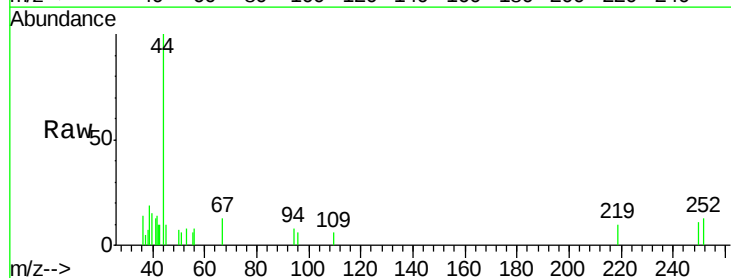
Acq: 10 Jul 2018 07:36

Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

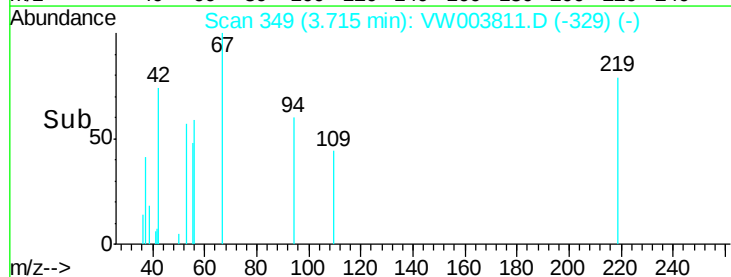
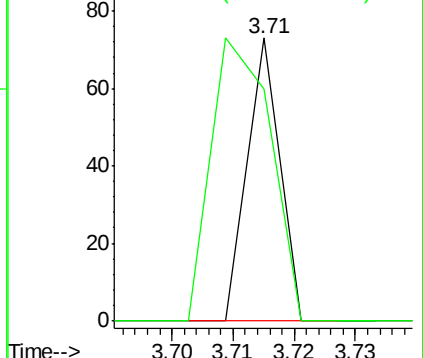
56 100

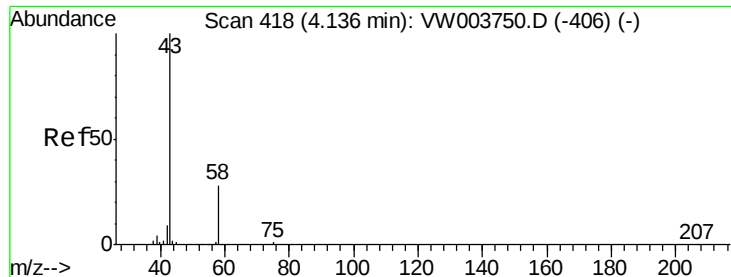
55 181.5 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 6.88 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

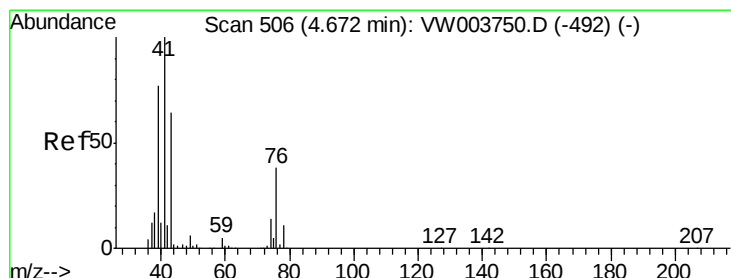
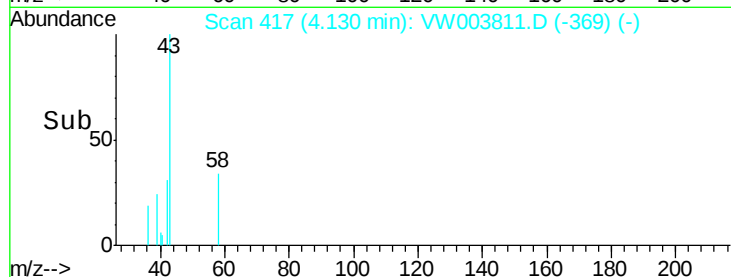
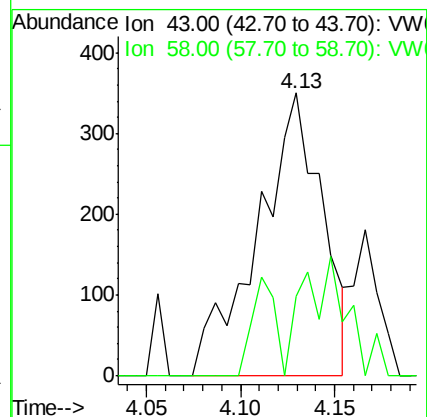
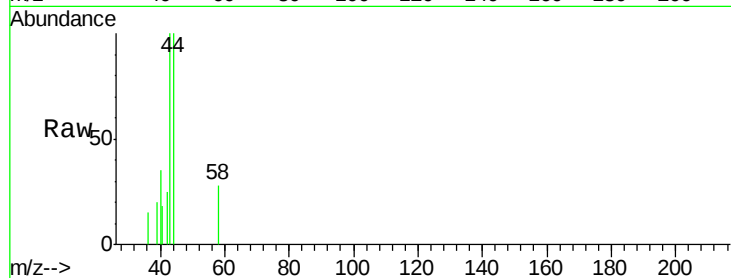
SURCHARGE-SP-15

Tot Ion: 43 Resp: 829

Ion Ratio Lower Upper

43 100

58 28.0 22.6 34.0



#18

Methyl Acetate

Concen: 2.77 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW003811.D

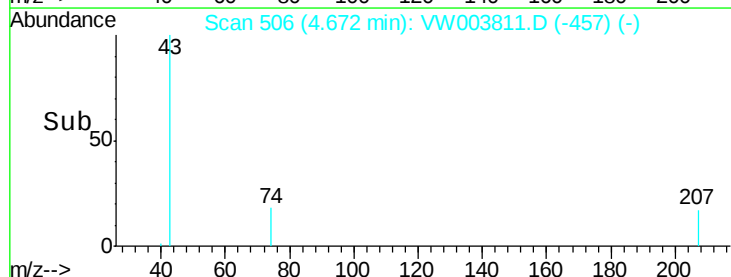
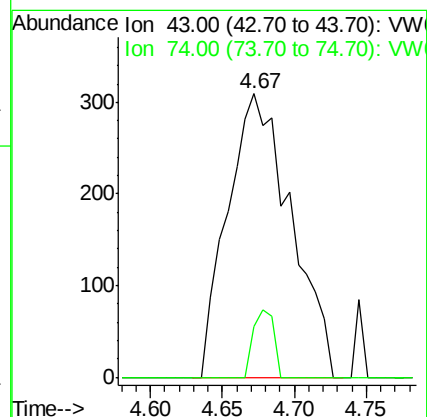
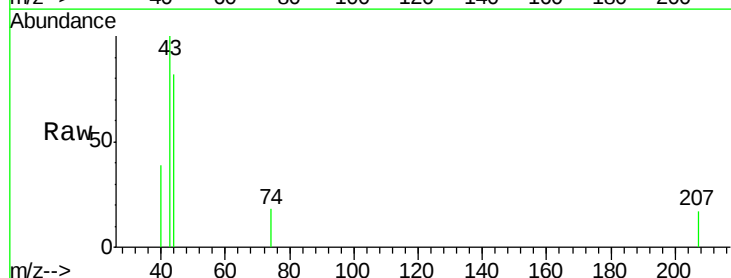
Acq: 10 Jul 2018 07:36

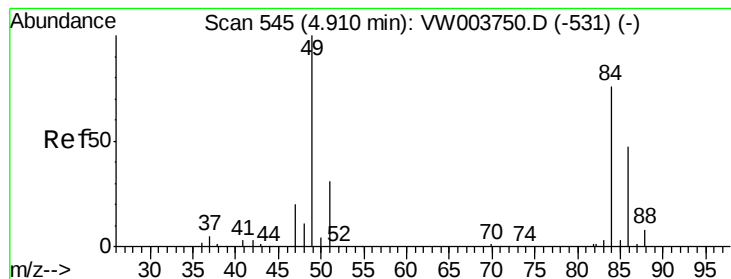
Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

74 7.6 17.3 25.9#





#20

Methylene Chloride

Concen: 11.84 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-15

Tot Ion: 84 Resp: 8922

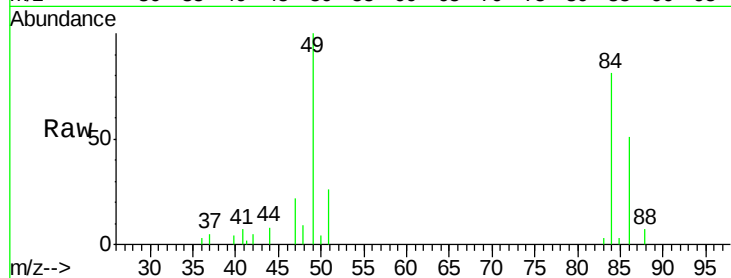
Ion Ratio Lower Upper

84 100

49 122.8 105.1 157.7

51 32.3 32.5 48.7#

86 62.2 49.8 74.6

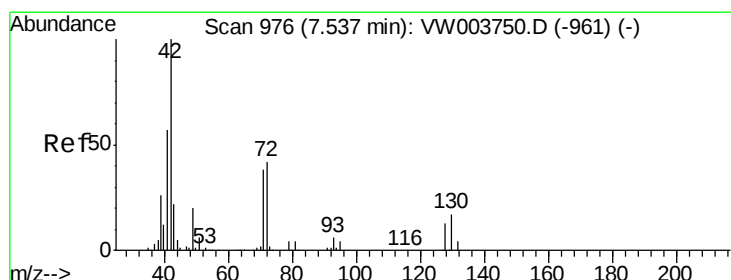
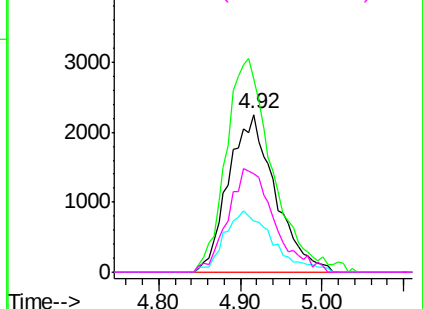
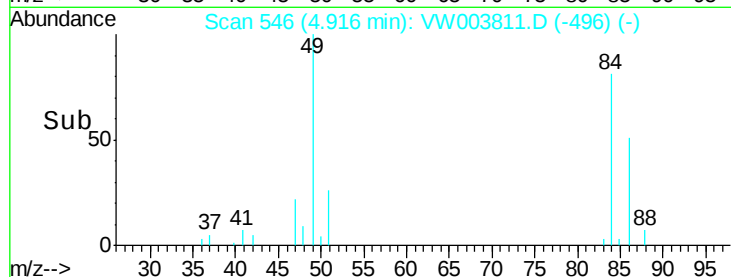


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 2.41 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

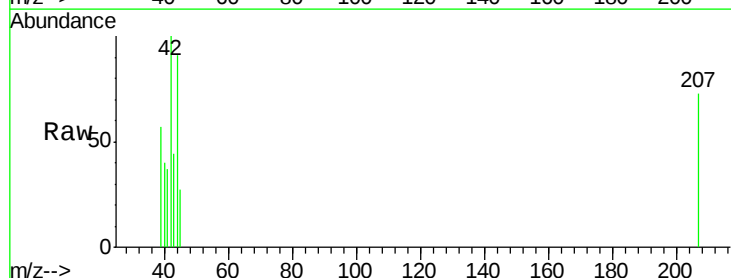
Tgt Ion: 42 Resp: 292

Ion Ratio Lower Upper

42 100

72 10.6 31.8 47.8#

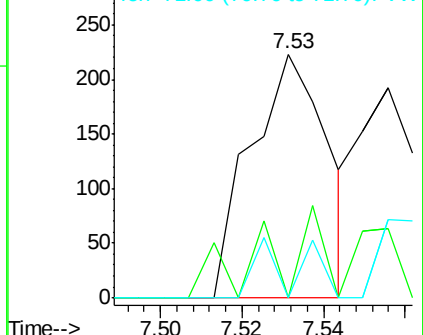
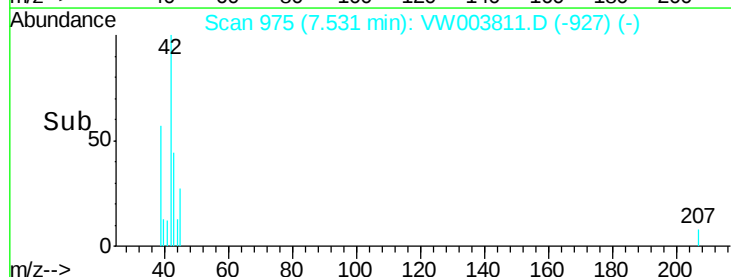
71 0.0 30.3 45.5#

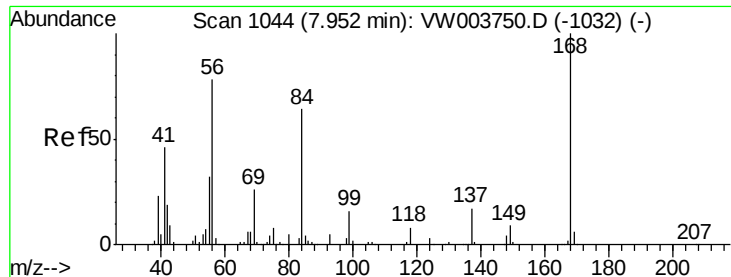


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

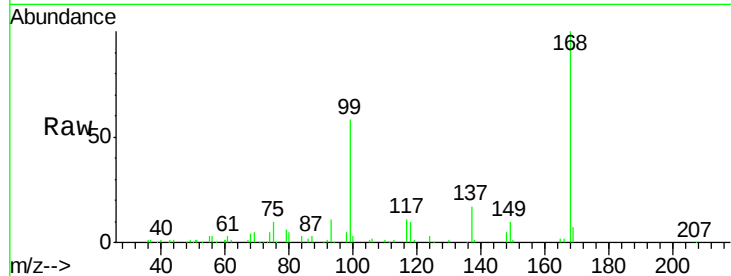




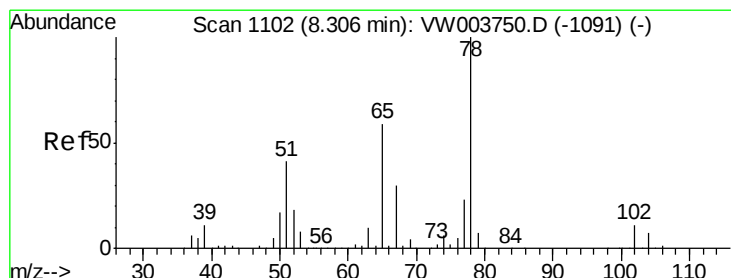
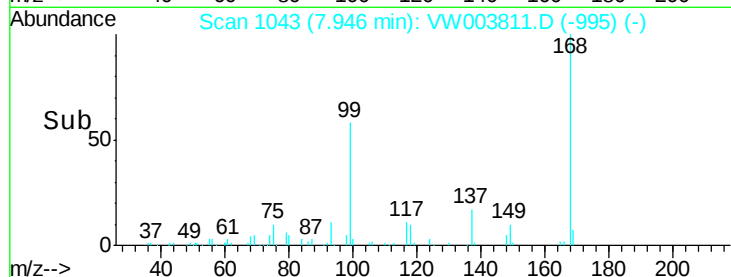
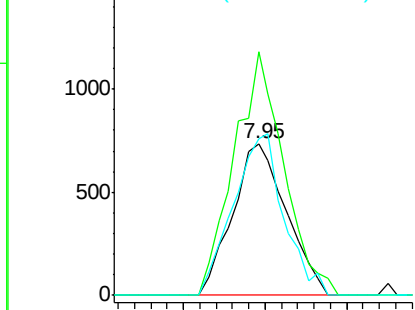
#31
Cyclohexane
Concen: 1.66 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003811.D
Acq: 10 Jul 2018 07:36

Instrument :
MSVOA_W
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SURCHARGE-SP-15

Tot Ion: 56 Resp: 1685
Ion Ratio Lower Upper
56 100
69 160.3 26.2 39.4#
84 102.9 65.5 98.3#

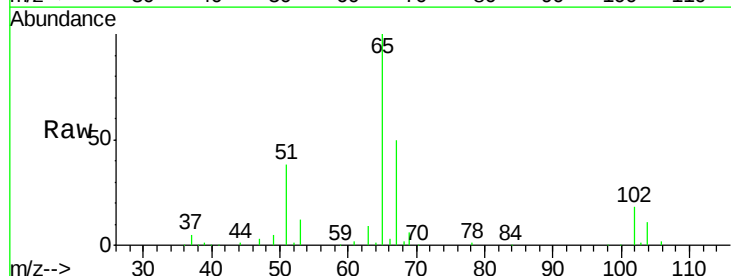


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

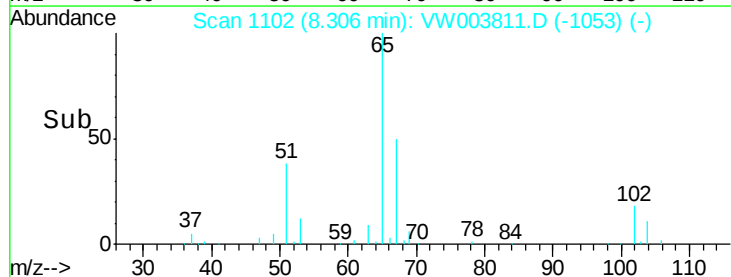
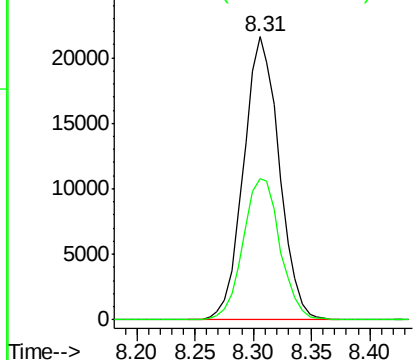


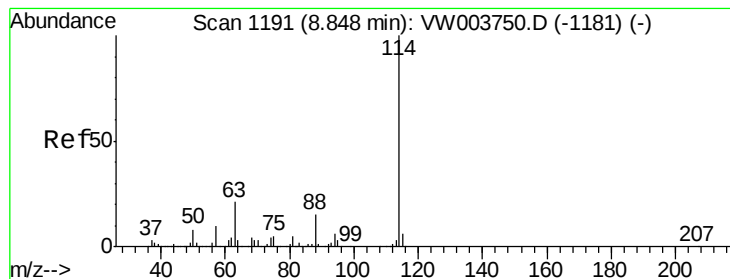
#33
1,2-Dichloroethane-d4
Concen: 66.56 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003811.D
Acq: 10 Jul 2018 07:36

Tgt Ion: 65 Resp: 46243
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: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-15

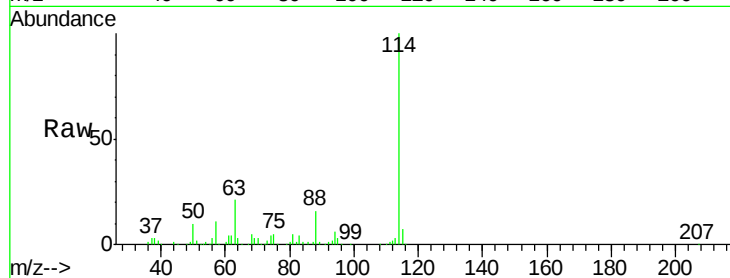
Tot Ion:114 Resp: 90746

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

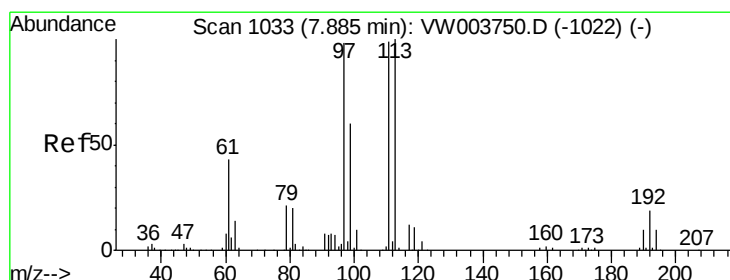
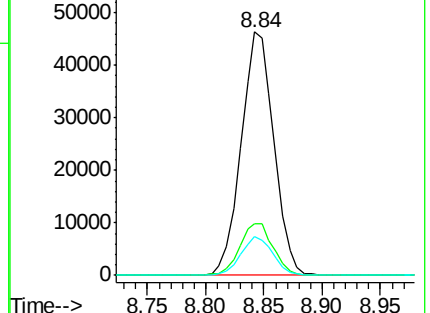
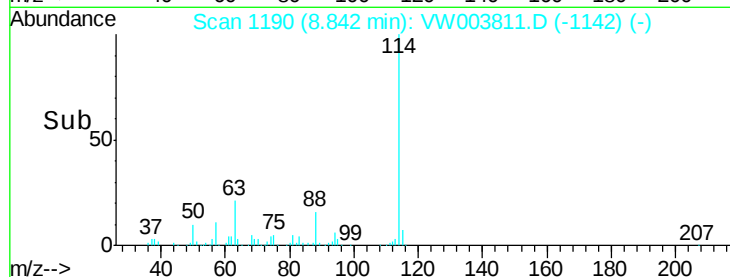
88 15.9 0.0 30.2



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



#35

Dibromofluoromethane

Concen: 59.62 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

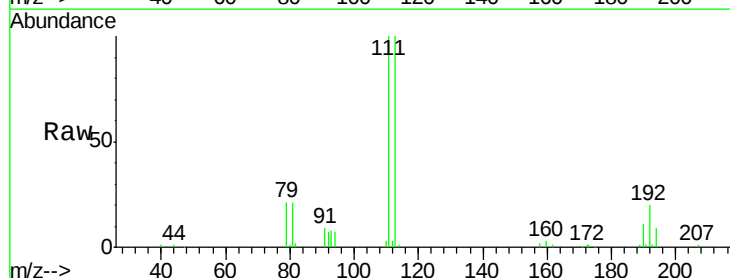
Tgt Ion:113 Resp: 37868

Ion Ratio Lower Upper

113 100

111 101.9 81.7 122.5

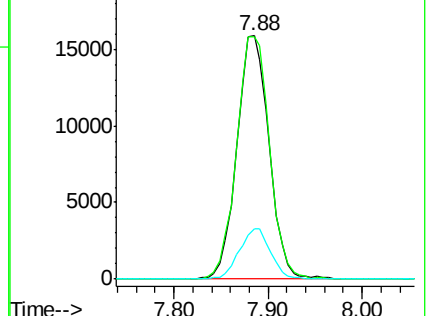
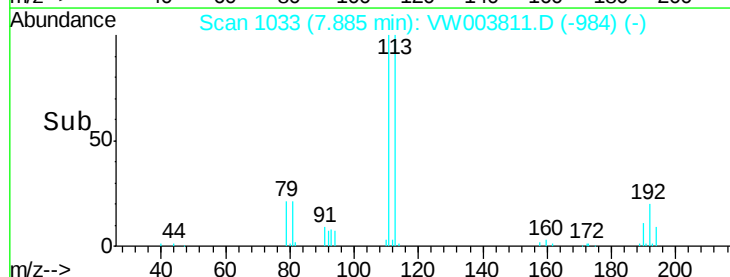
192 20.0 15.8 23.8

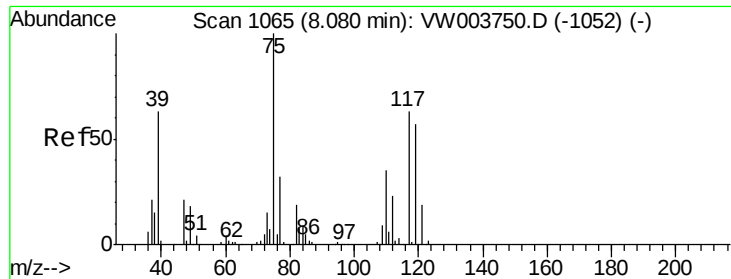


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

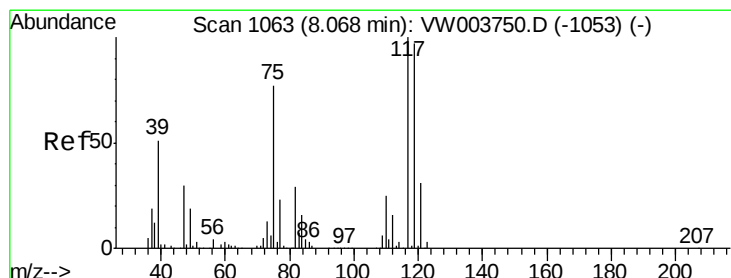
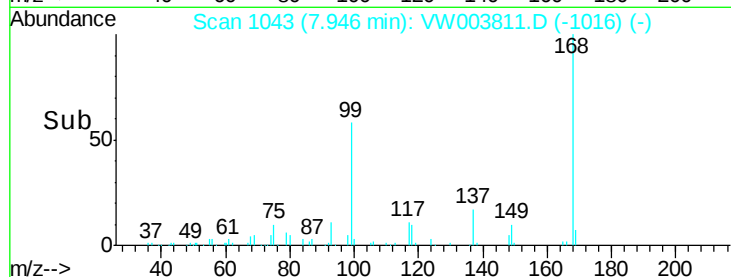
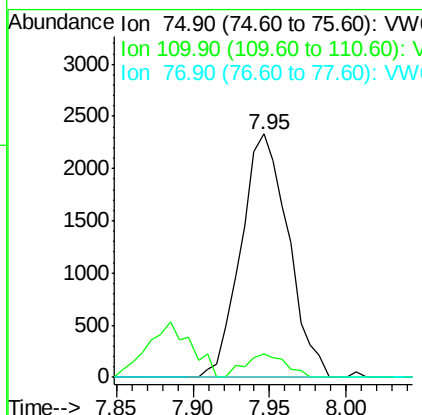
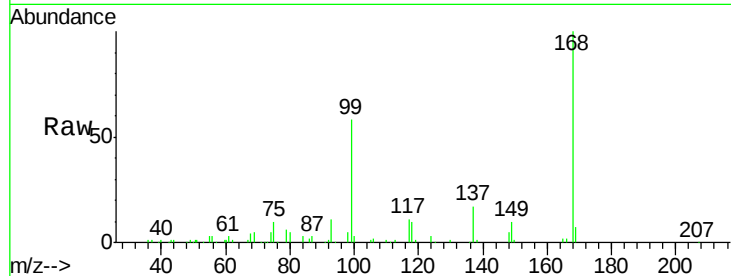




#36
 1,1-Dichloropropene
 Concen: 5.19 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003811.D
 Acq: 10 Jul 2018 07:36

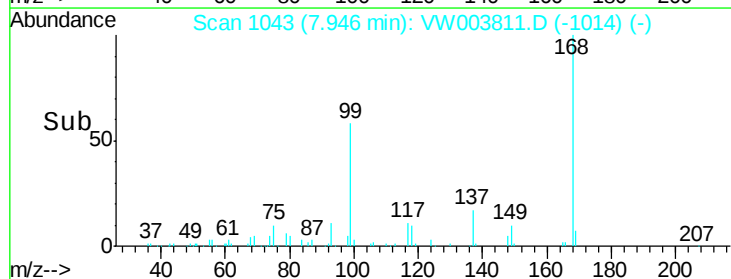
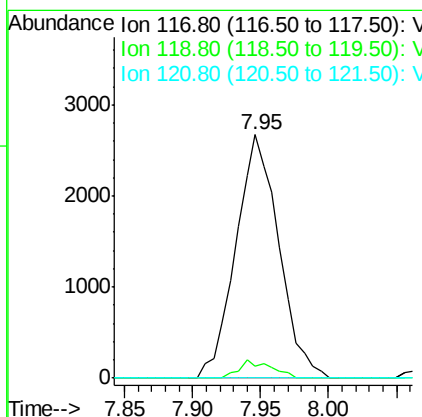
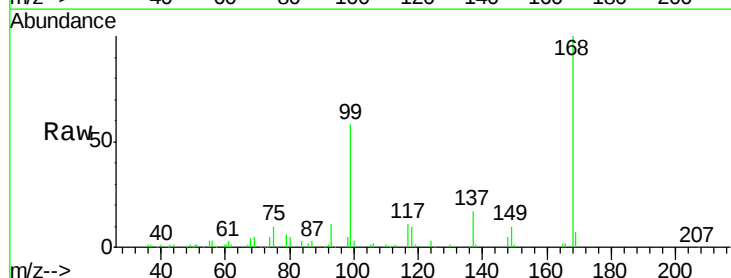
Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-15

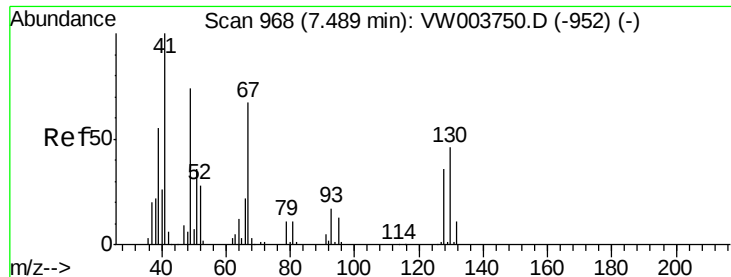
Tot Ion: 75 Resp: 4999
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.44 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.12 min
 Lab File: VW003811.D
 Acq: 10 Jul 2018 07:36

Tgt Ion: 117 Resp: 5892
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.4 116.2#
 121 0.0 24.6 37.0#





#41

Methacrylonitrile

Concen: 1.08 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.05 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-15

Tot Ion: 41 Resp: 290

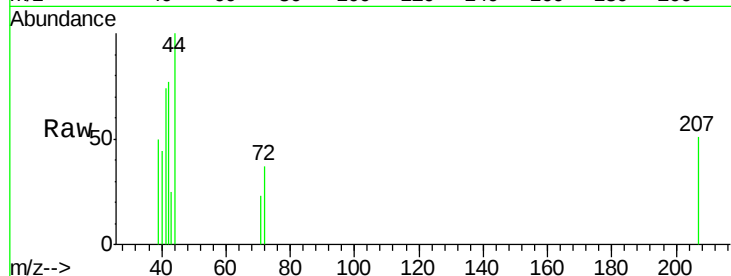
Ion Ratio Lower Upper

41 100

39 138.6 49.5 74.3#

67 0.0 53.8 80.8#

52 0.0 24.3 36.5#

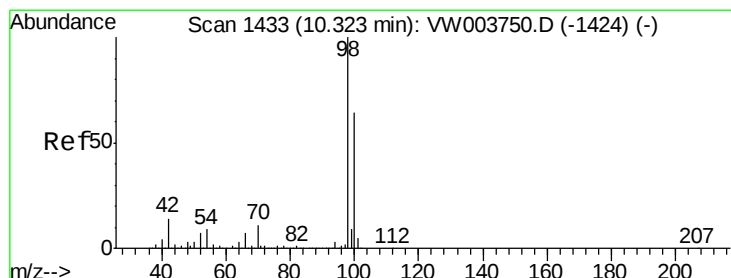
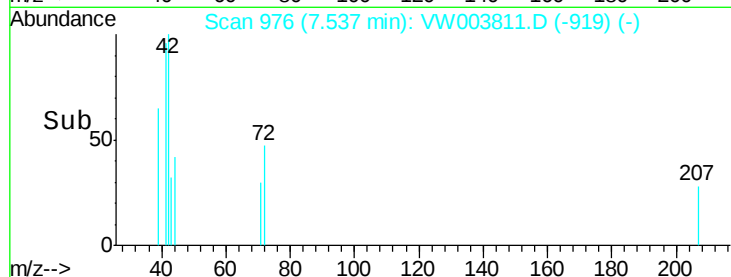
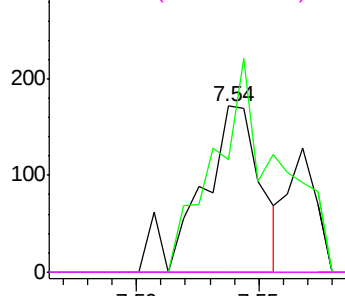


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 31.28 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003811.D

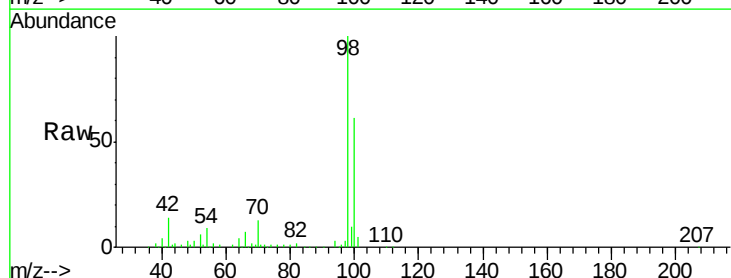
Acq: 10 Jul 2018 07:36

Tgt Ion: 98 Resp: 76004

Ion Ratio Lower Upper

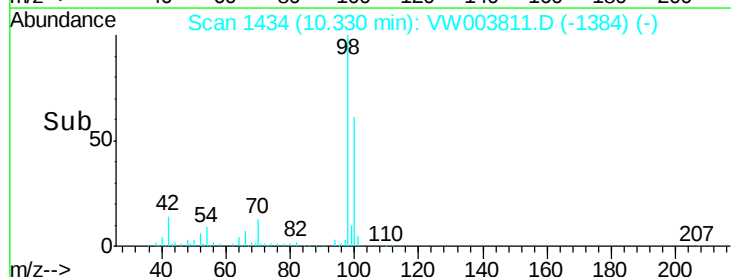
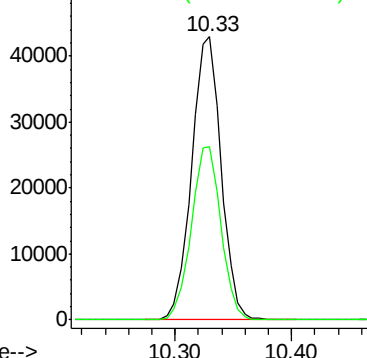
98 100

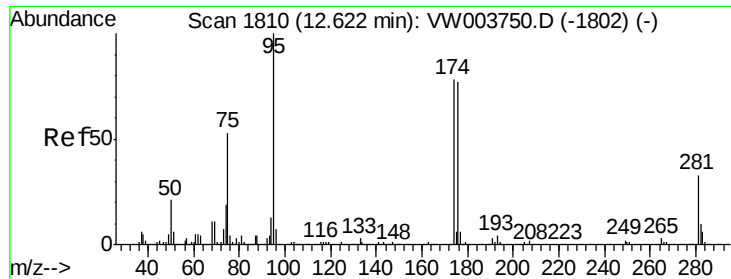
100 61.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

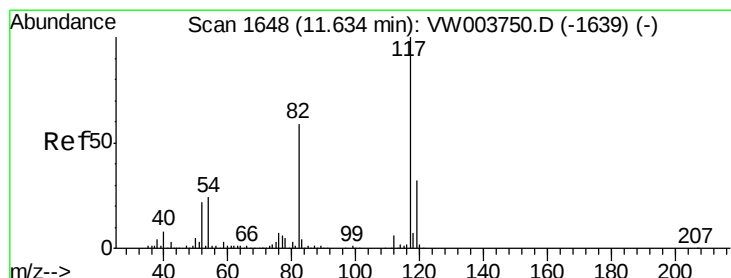
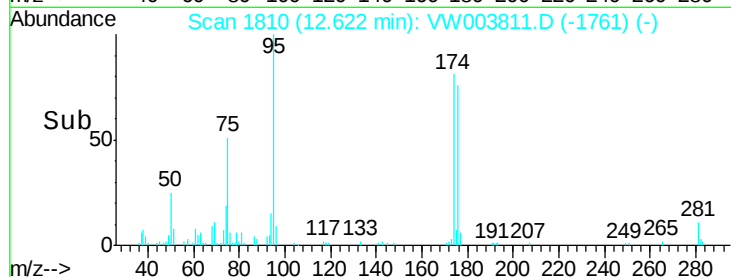
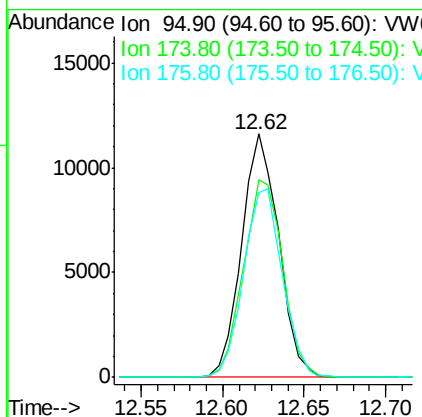
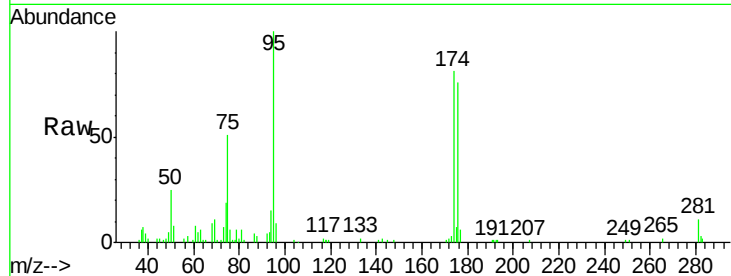




#62
4-Bromofluorobenzene
Concen: 20.87 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003811.D
Acq: 10 Jul 2018 07:36

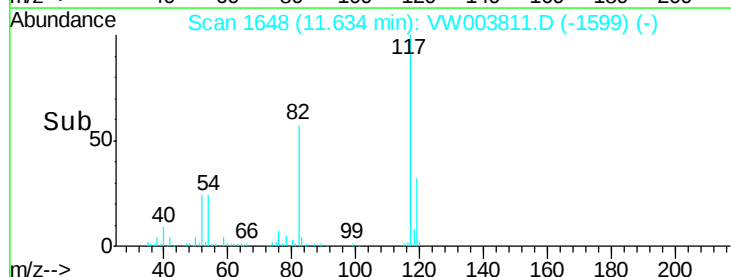
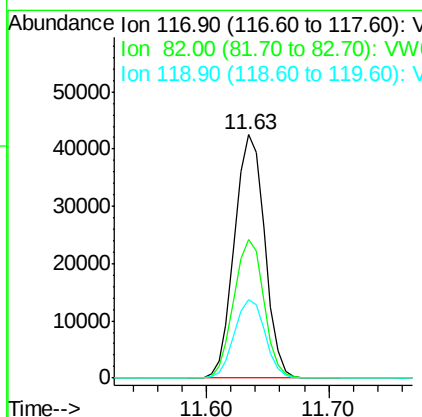
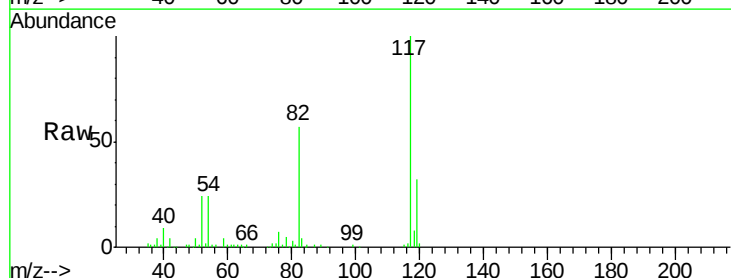
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-15

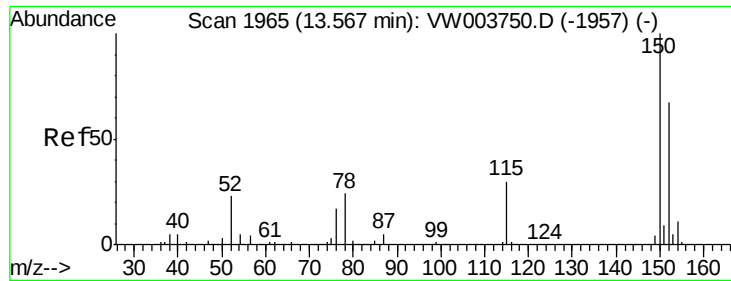
Tot Ion: 95 Resp: 18344
Ion Ratio Lower Upper
95 100
174 86.2 0.0 163.4
176 81.1 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003811.D
Acq: 10 Jul 2018 07:36

Tgt Ion: 117 Resp: 72663
Ion Ratio Lower Upper
117 100
82 56.7 46.9 70.3
119 32.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-15

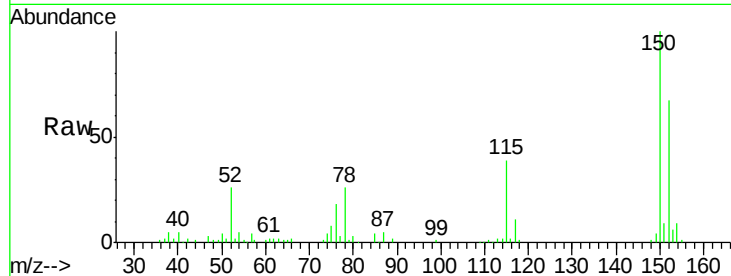
Tot Ion:152 Resp: 19195

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.8

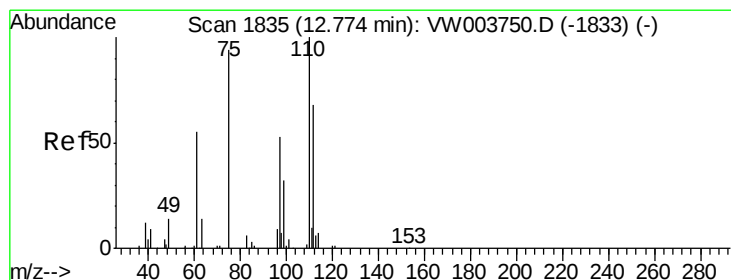
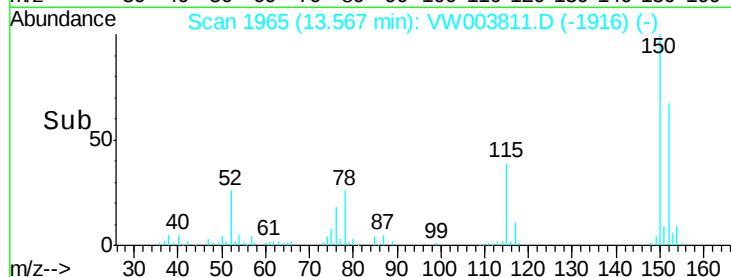
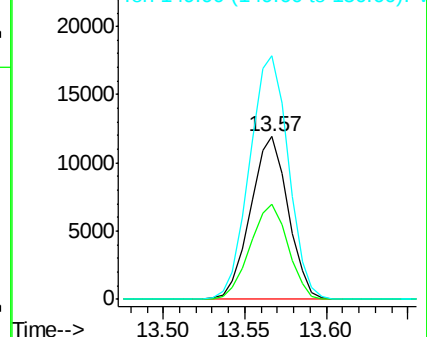
150 154.4 0.0 342.4



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: 54.09 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003811.D

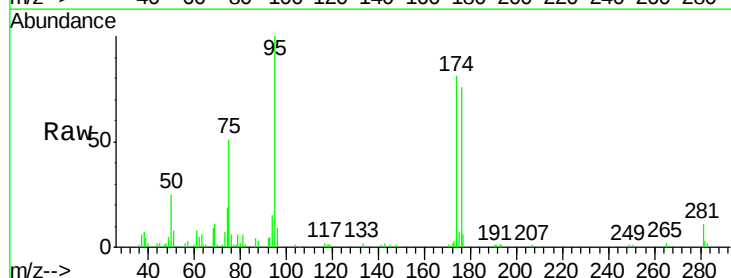
Acq: 10 Jul 2018 07:36

Tgt Ion: 75 Resp: 10195

Ion Ratio Lower Upper

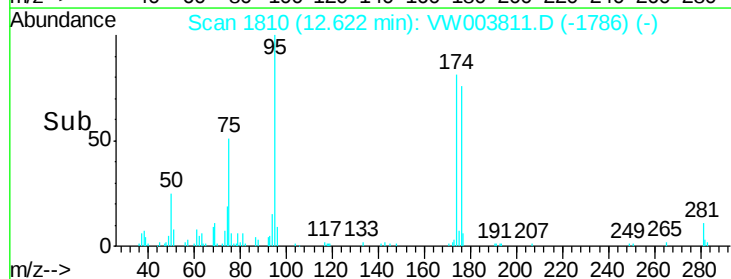
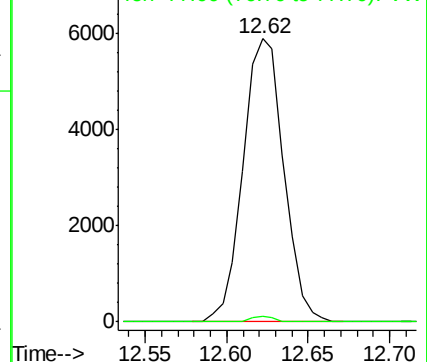
75 100

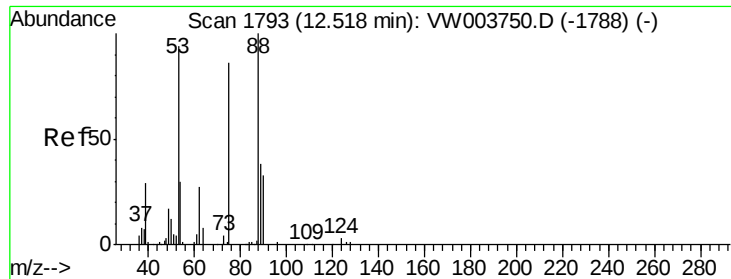
77 1.1 0.0 0.0#



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: 132.31 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003811.D

Acq: 10 Jul 2018 07:36

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-15

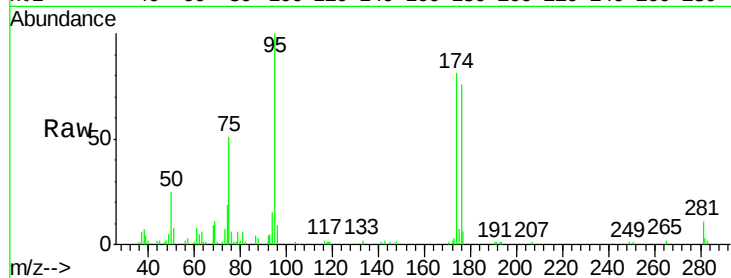
Tot Ion: 75 Resp: 10195

Ion Ratio Lower Upper

75 100

53 0.3 85.0 127.6#

89 0.0 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

