

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003813.D
 Acq On : 10 Jul 2018 08:28
 Operator : SY/AP
 Sample : J3880-14
 Misc : 5.22G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-17

Quant Time: Jul 10 10:47:12 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	91613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	114386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	30467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67583	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	7.88	113	57895	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.33	98	138192	32.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.96%	
62) 4-Bromofluorobenzene	12.62	95	32817	21.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.28%	

Target Compounds

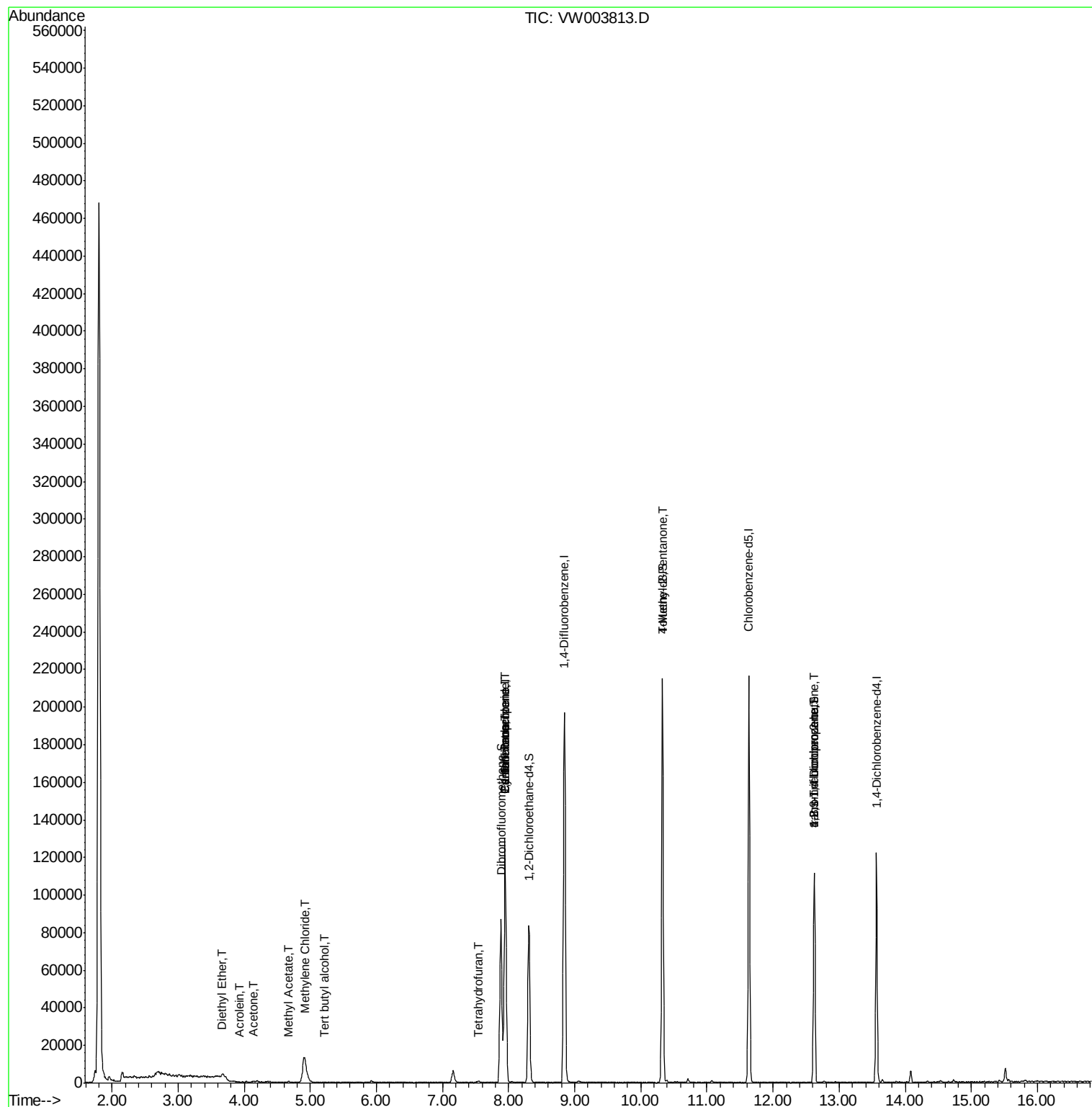
						Qvalue
8) Diethyl Ether	3.67	74	880	1.905	ug/l	52
11) Tert butyl alcohol	5.22	59	98	1.509	ug/l #	70
13) Acrolein	3.93	56	41	5.115	ug/l #	14
16) Acetone	4.14	43	558	2.685	ug/l #	75
18) Methyl Acetate	4.68	43	922	1.573	ug/l #	70
20) Methylene Chloride	4.92	84	12996	9.257	ug/l	92
29) Tetrahydrofuran	7.53	42	286	1.367	ug/l #	78
31) Cyclohexane	7.95	56	2576	1.473	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	8129	4.895	ug/l #	51
38) Carbon Tetrachloride	7.95	117	9565	6.058	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	847	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	17995	60.148	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	17995	147.135	ug/l #	8

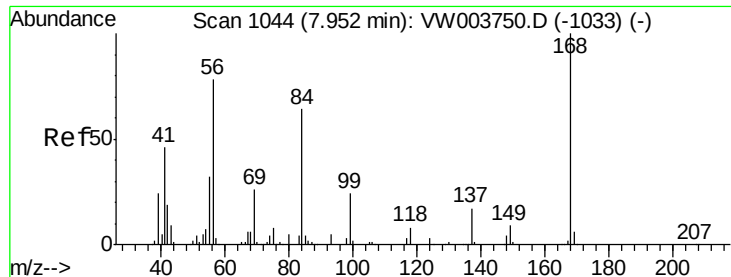
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

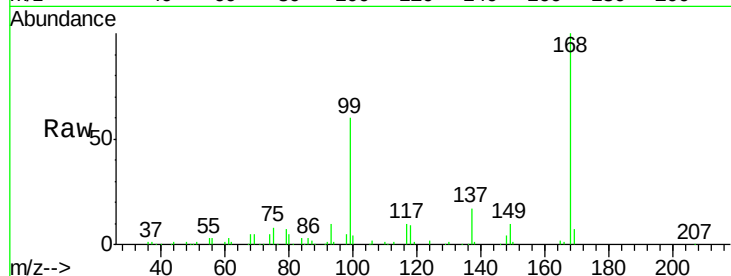
SURCHARGE-SP-17

Tot Ion:168 Resp: 91613

Ion Ratio Lower Upper

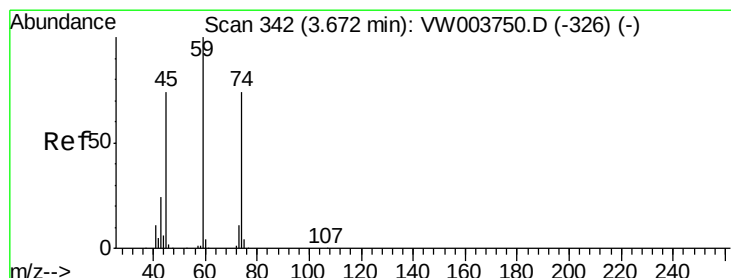
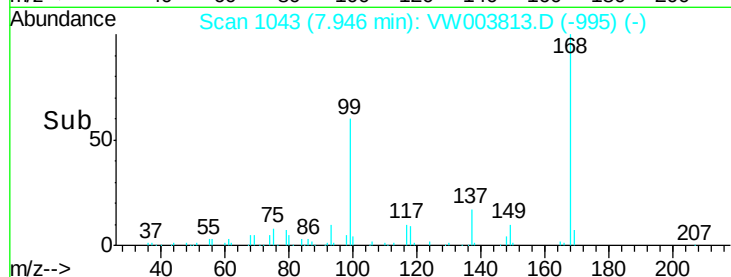
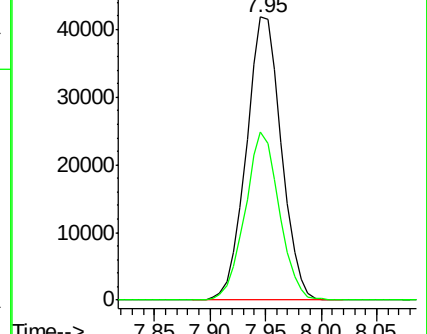
168 100

99 59.5 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: 1.905 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW003813.D

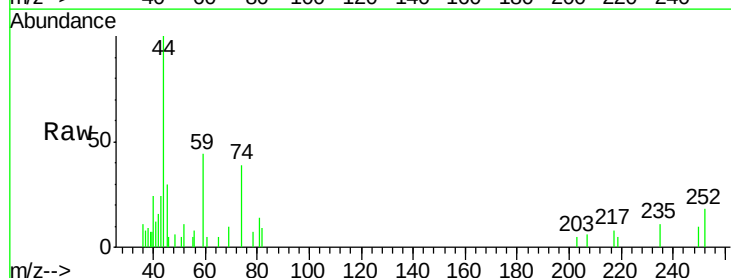
Acq: 10 Jul 2018 08:28

Tgt Ion: 74 Resp: 880

Ion Ratio Lower Upper

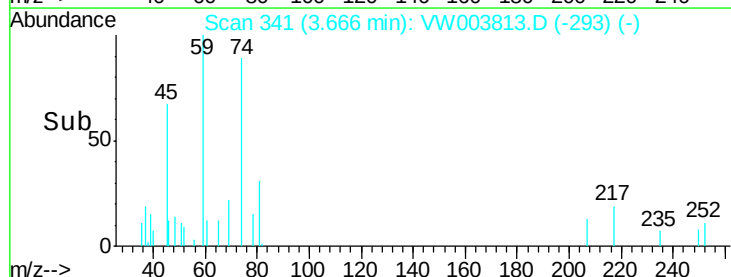
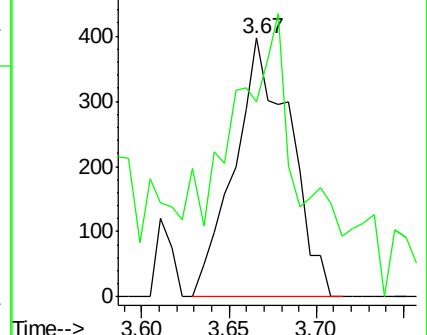
74 100

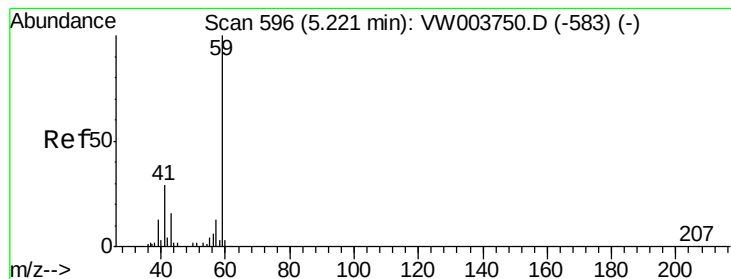
45 154.1 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.509 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.00 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

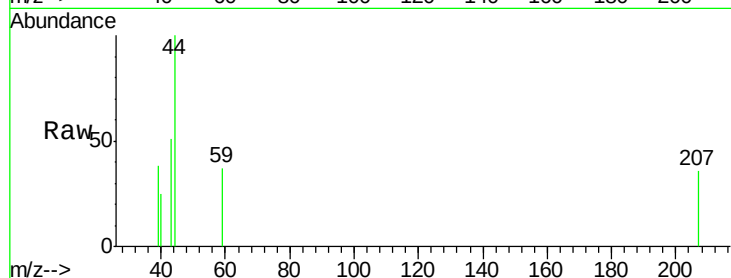
SURCHARGE-SP-17

Tot Ion: 59 Resp: 98

Ion Ratio Lower Upper

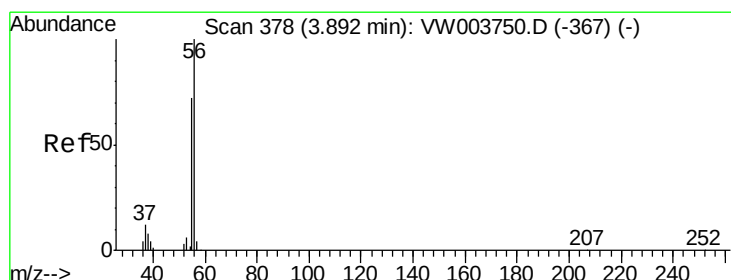
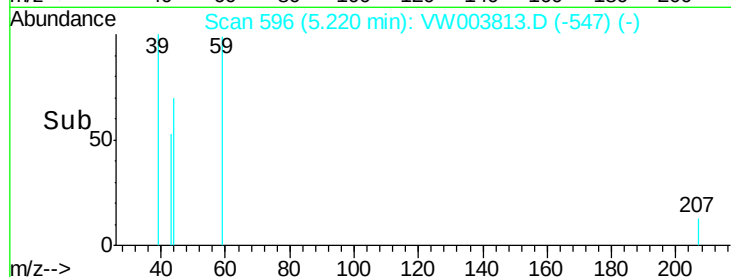
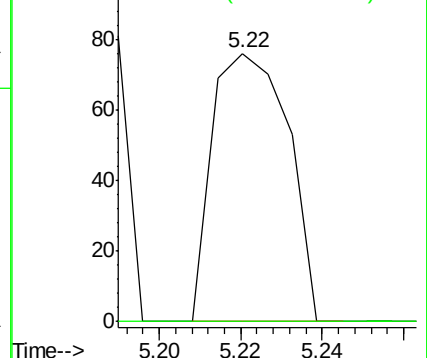
59 100

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: 5.115 ug/l

RT: 3.93 min Scan# 385

Delta R.T. 0.04 min

Lab File: VW003813.D

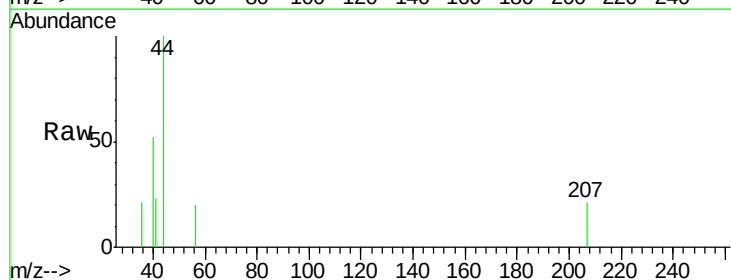
Acq: 10 Jul 2018 08:28

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

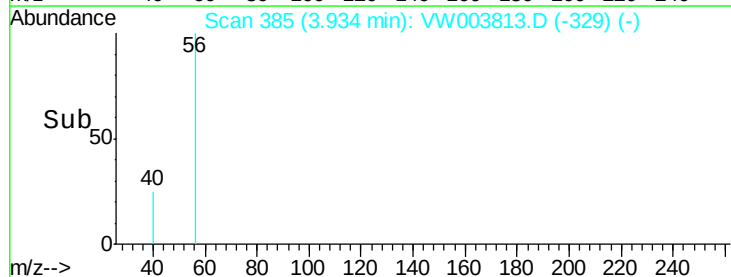
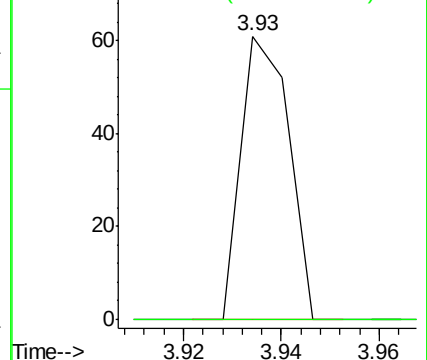
56 100

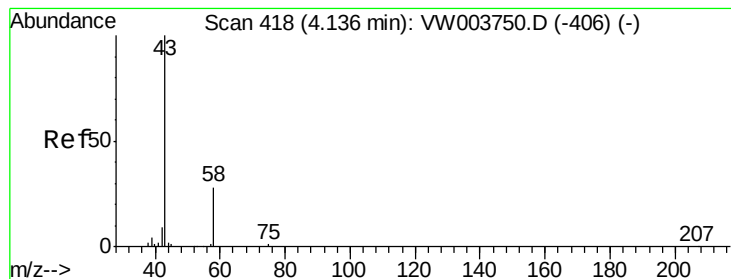
55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 2.685 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

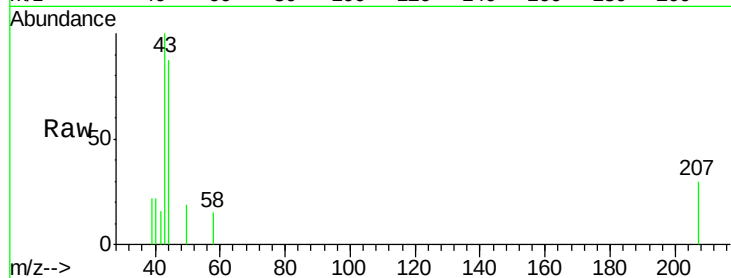
SURCHARGE-SP-17

Tot Ion: 43 Resp: 558

Ion Ratio Lower Upper

43 100

58 15.3 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

400

300

200

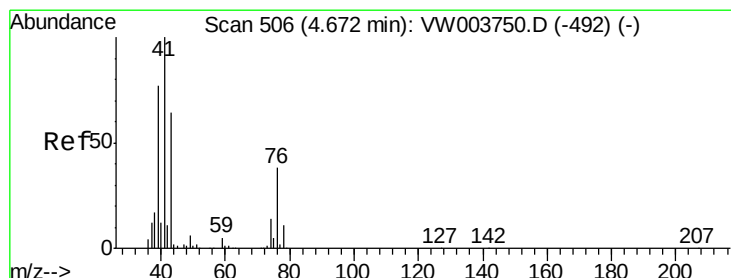
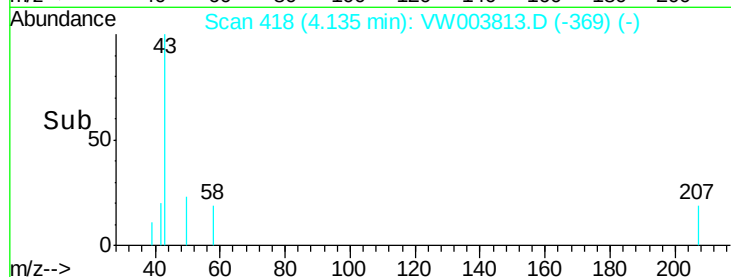
100

0

4.15

4.20

Time-->



#18

Methyl Acetate

Concen: 1.573 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003813.D

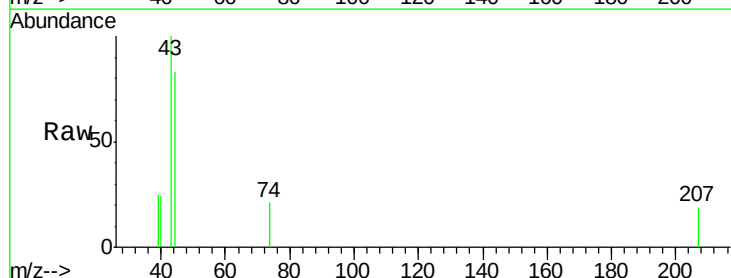
Acq: 10 Jul 2018 08:28

Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

74 7.6 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

300

200

100

0

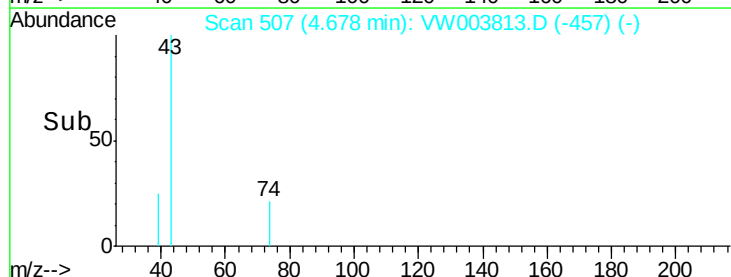
4.60

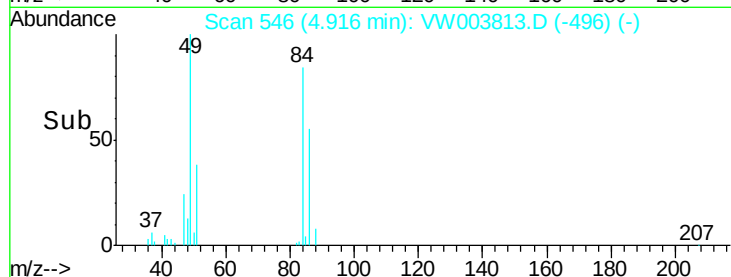
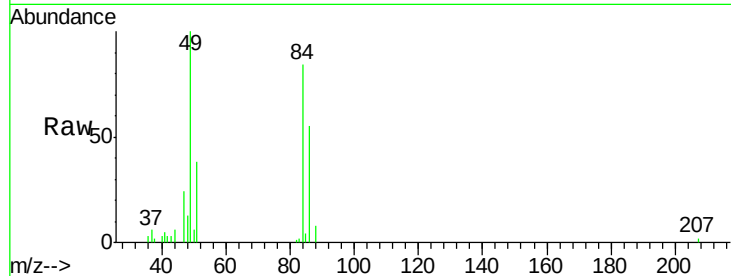
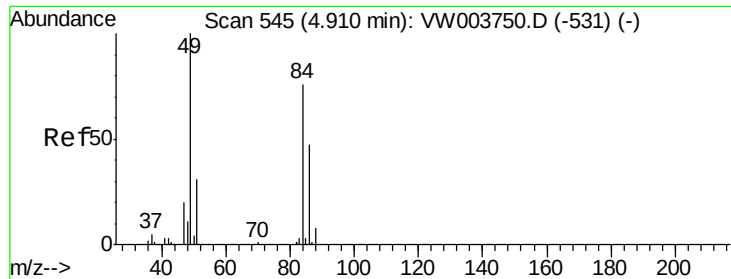
4.65

4.70

4.75

Time-->

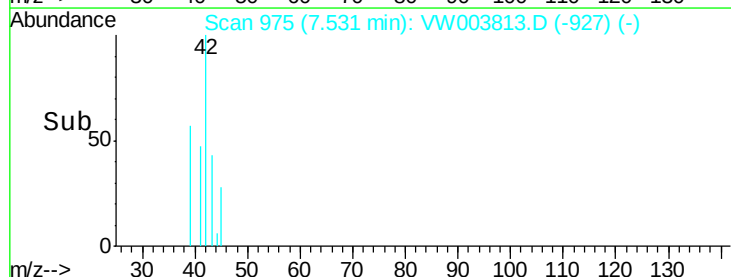
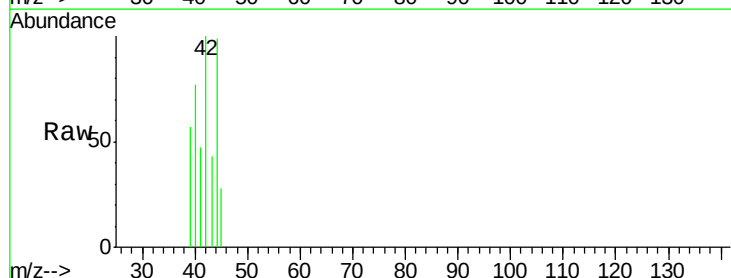
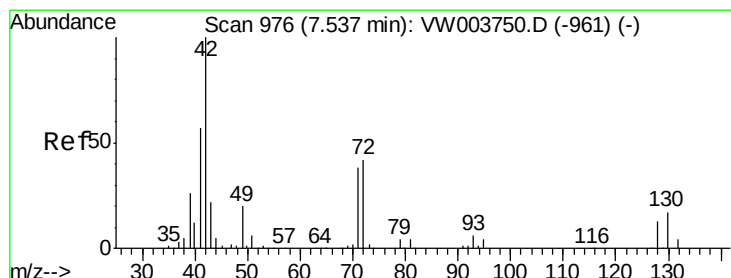
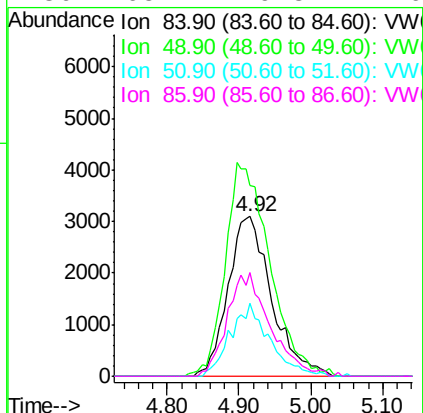




#20
Methylene Chloride
Concen: 9.257 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003813.D
Acq: 10 Jul 2018 08:28

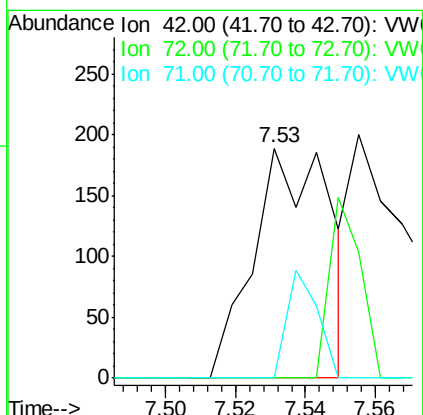
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-17

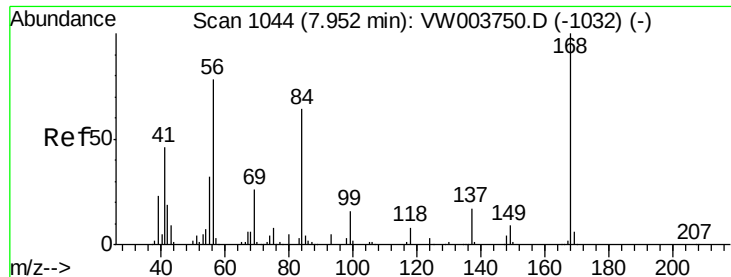
Tot Ion:	84	Resp:	12996
Ion	Ratio	Lower	Upper
84	100		
49	119.5	105.1	157.7
51	45.9	32.5	48.7
86	65.2	49.8	74.6



#29
Tetrahydrofuran
Concen: 1.367 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003813.D
Acq: 10 Jul 2018 08:28

Tgt Ion:	42	Resp:	286
Ion	Ratio	Lower	Upper
42	100		
72	32.2	31.8	47.8
71	18.9	30.3	45.5#

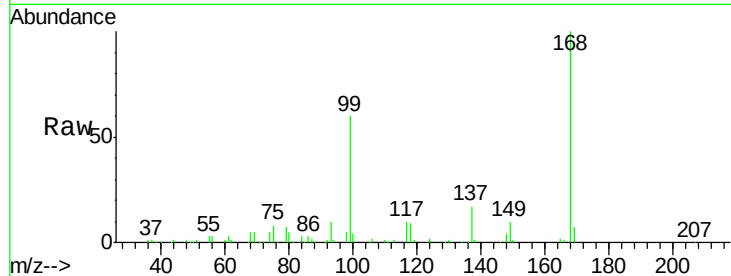




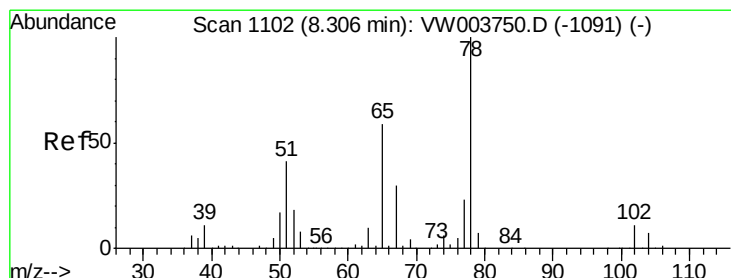
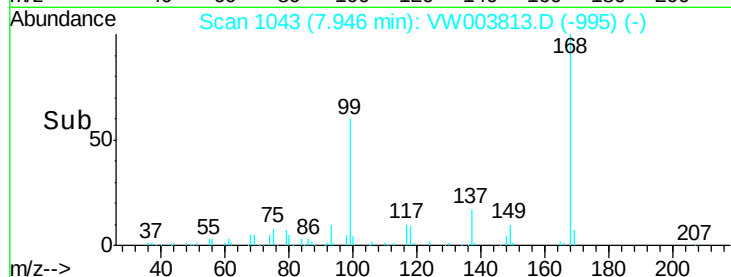
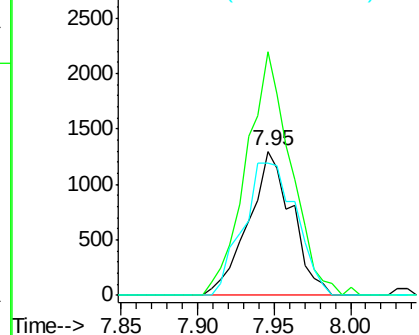
#31
Cyclohexane
Concen: 1.473 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003813.D
Acq: 10 Jul 2018 08:28

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-17

Tot Ion: 56 Resp: 2576
Ion Ratio Lower Upper
56 100
69 168.7 26.2 39.4#
84 91.2 65.5 98.3

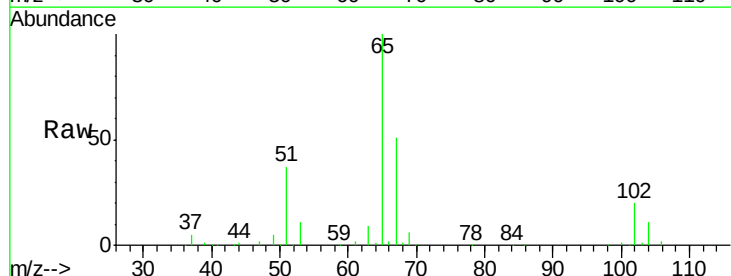


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

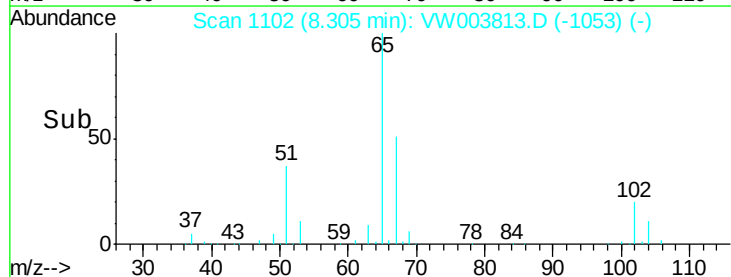
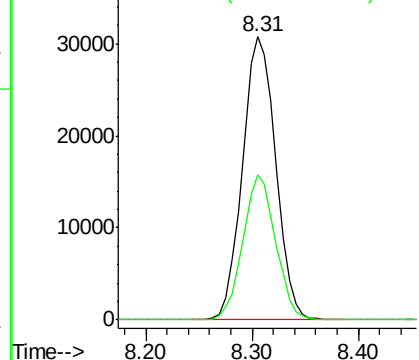


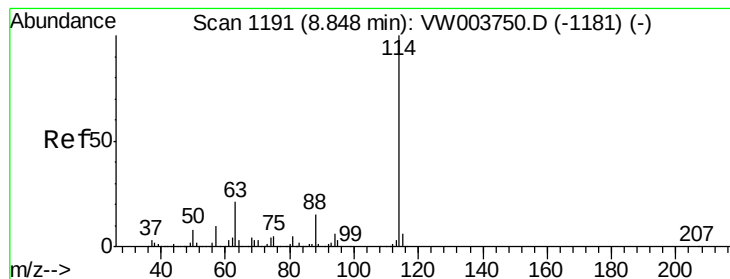
#33
1,2-Dichloroethane-d4
Concen: 56.411 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003813.D
Acq: 10 Jul 2018 08:28

Tgt Ion: 65 Resp: 67583
Ion Ratio Lower Upper
65 100
67 50.3 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: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-17

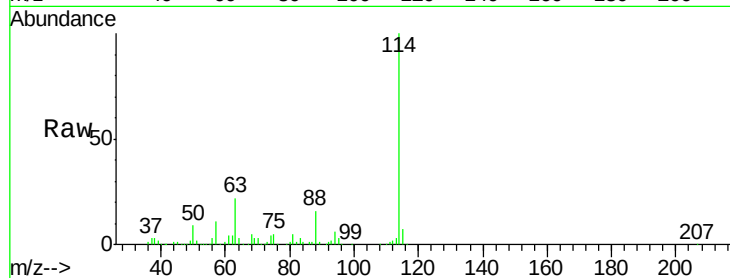
Tot Ion:114 Resp: 156521

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

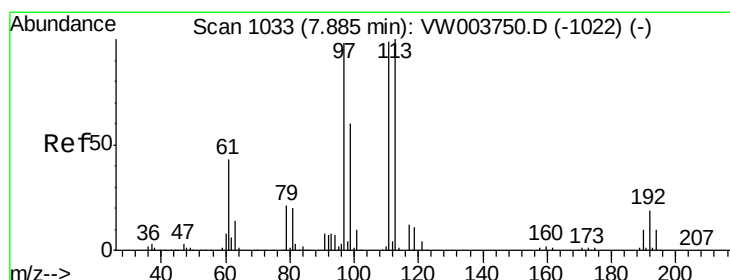
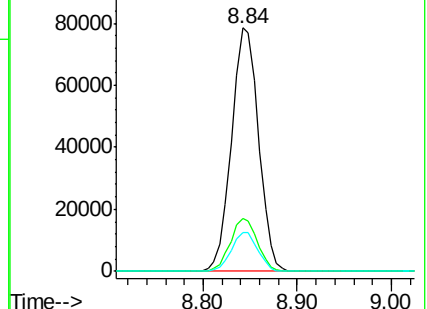
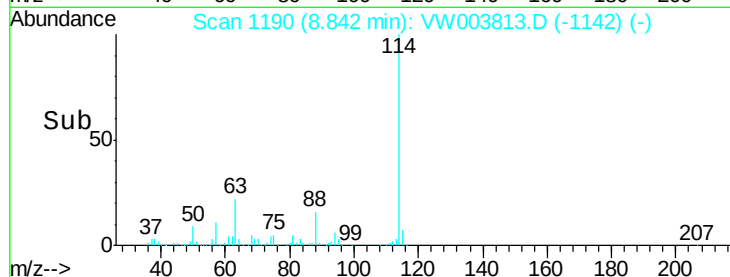
88 16.1 0.0 30.2



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: 52.850 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

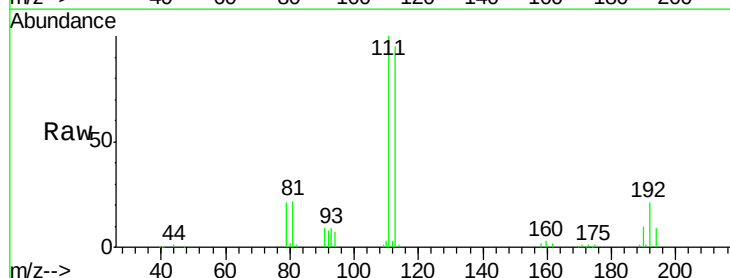
Tgt Ion:113 Resp: 57895

Ion Ratio Lower Upper

113 100

111 103.7 81.7 122.5

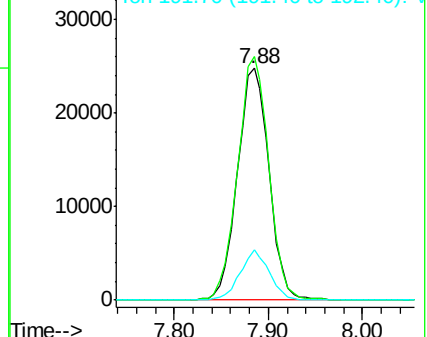
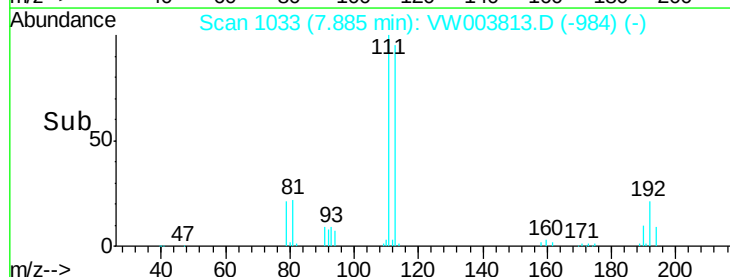
192 19.9 15.8 23.8

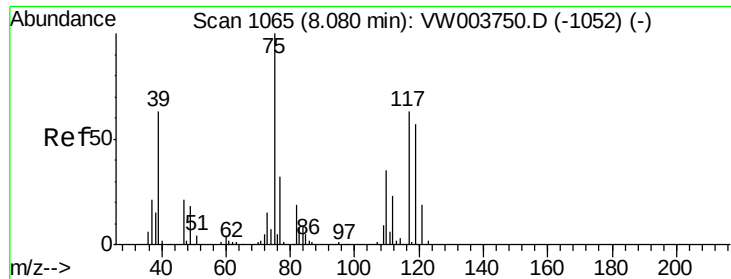


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-17

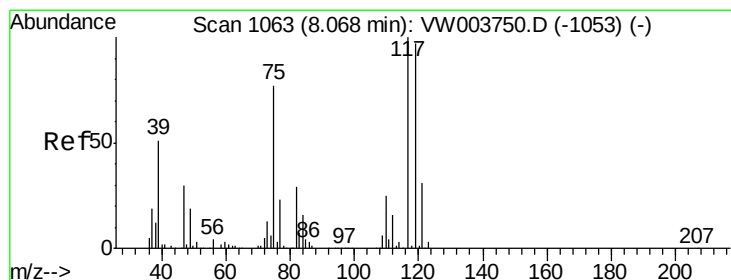
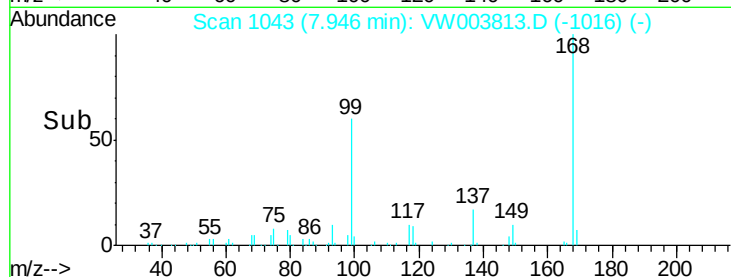
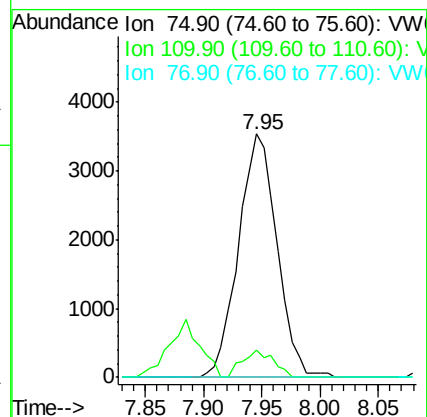
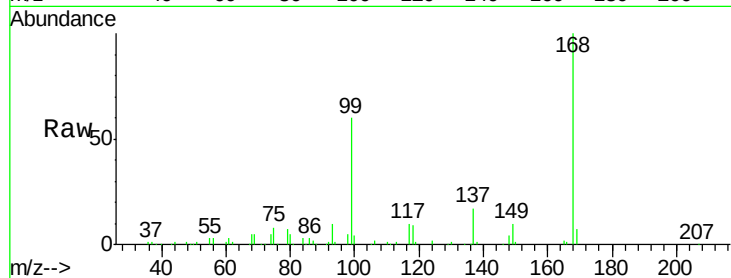
Tot Ion: 75 Resp: 8129

Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.6#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.058 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

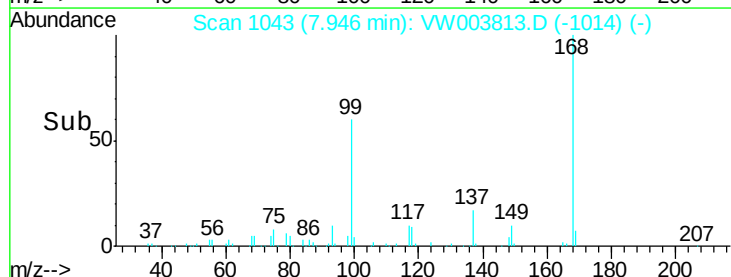
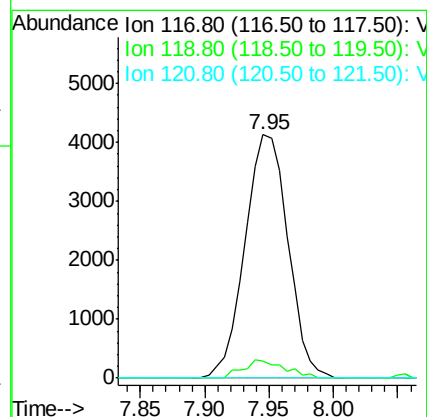
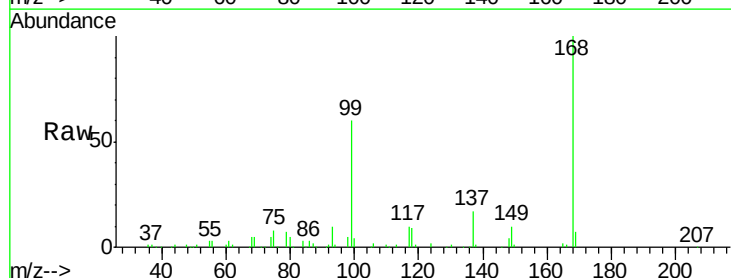
Tgt Ion: 117 Resp: 9565

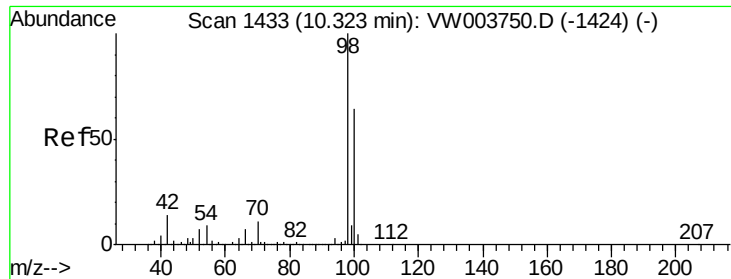
Ion Ratio Lower Upper

117 100

119 7.0 77.4 116.2#

121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 32.978 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

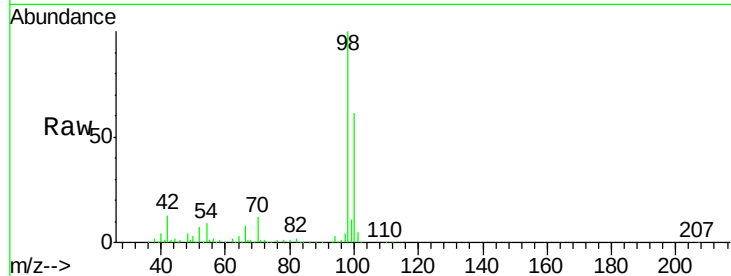
SURCHARGE-SP-17

Tot Ion: 98 Resp: 138192

Ion Ratio Lower Upper

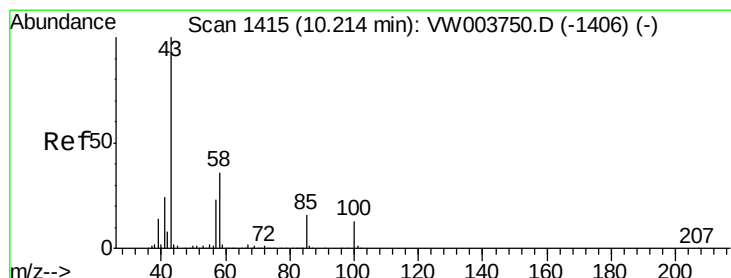
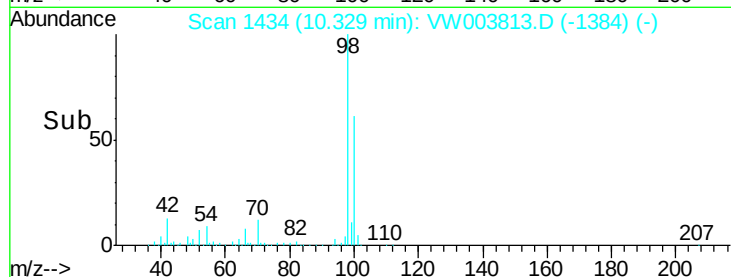
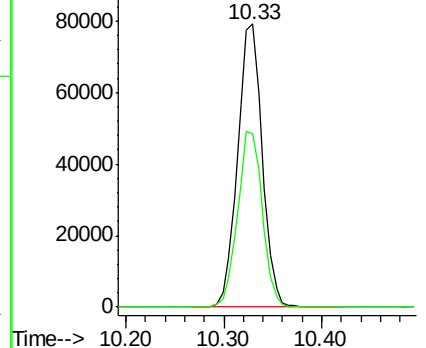
98 100

100 62.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.069 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VW003813.D

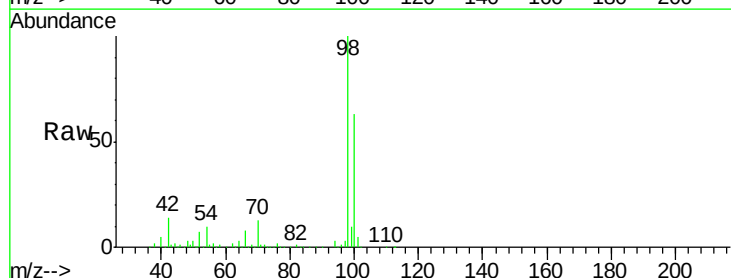
Acq: 10 Jul 2018 08:28

Tgt Ion: 43 Resp: 847

Ion Ratio Lower Upper

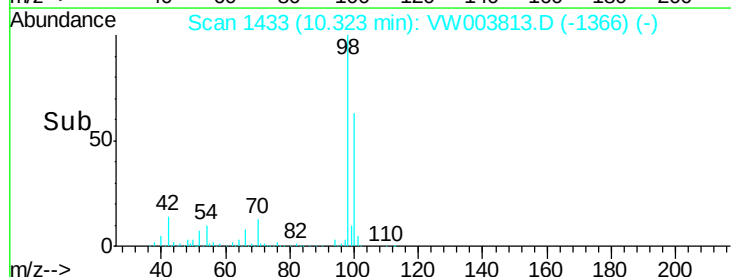
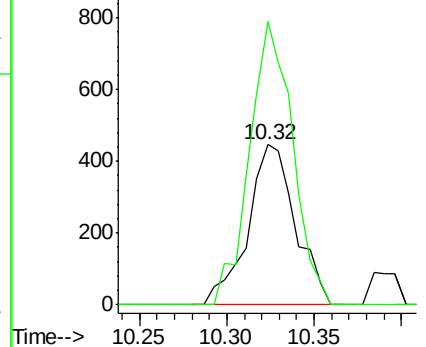
43 100

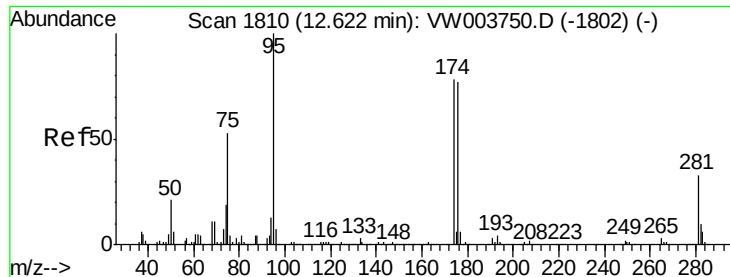
58 160.8 29.3 43.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 21.645 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-17

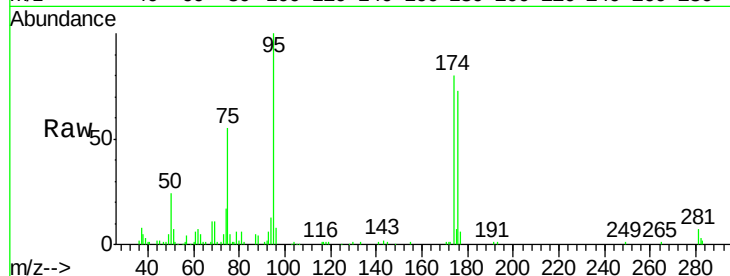
Tot Ion: 95 Resp: 32817

Ion Ratio Lower Upper

95 100

174 83.8 0.0 163.4

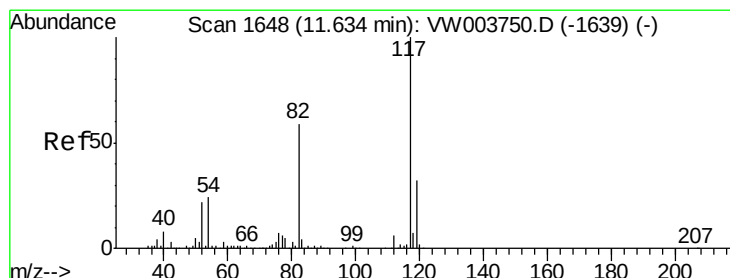
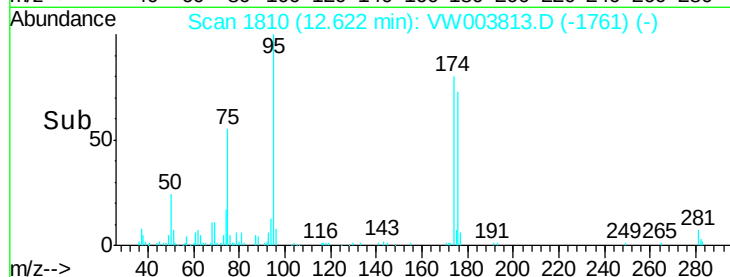
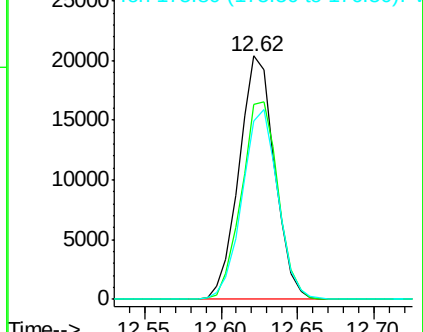
176 78.6 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

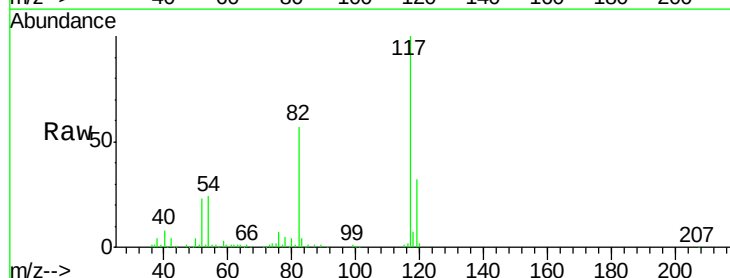
Tgt Ion: 117 Resp: 114386

Ion Ratio Lower Upper

117 100

82 56.9 46.9 70.3

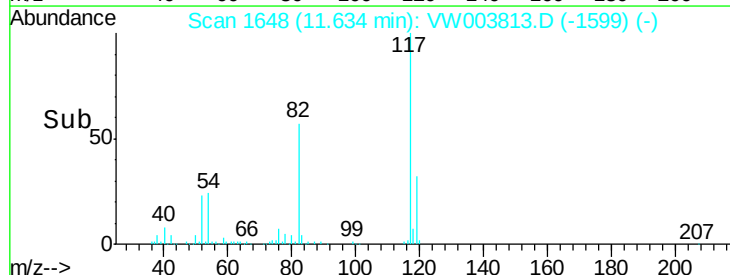
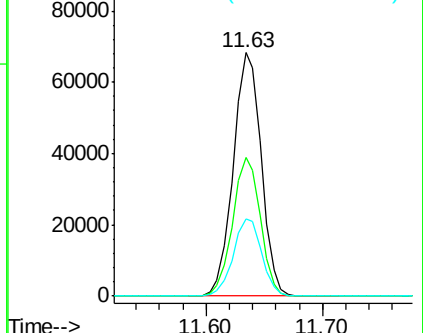
119 32.0 25.5 38.3

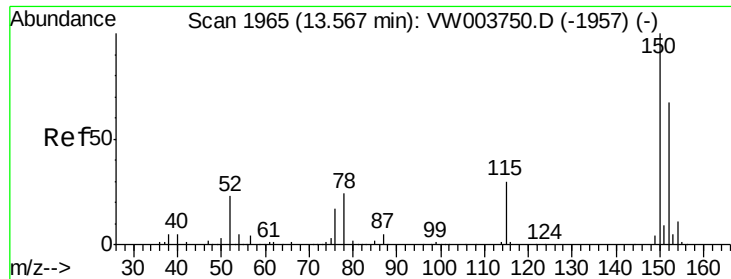


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

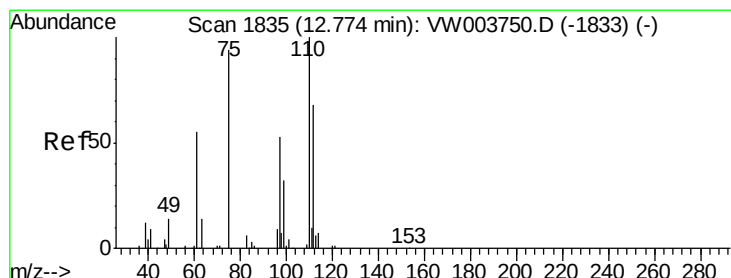
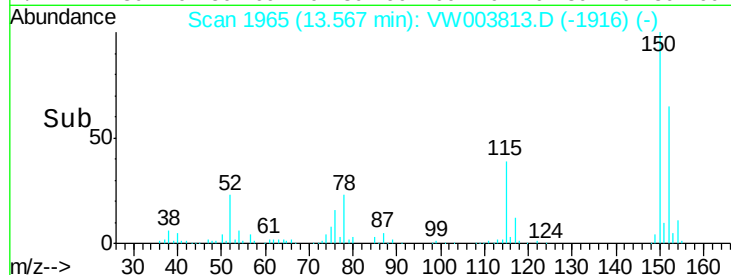
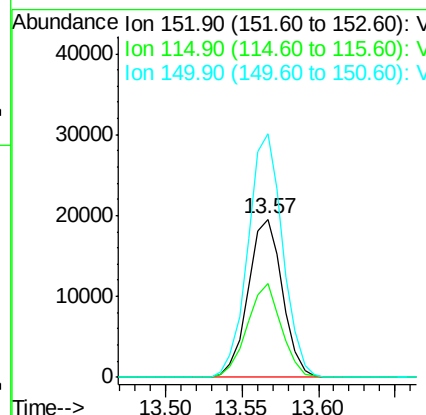
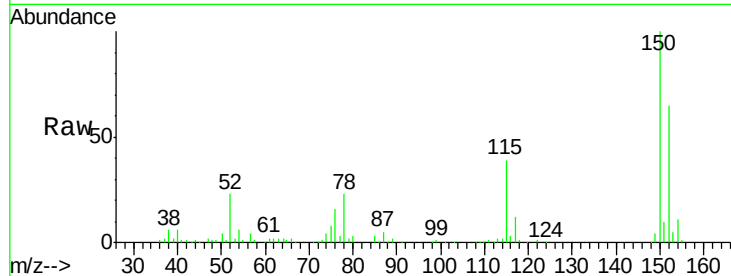




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW003813.D
 Acq: 10 Jul 2018 08:28

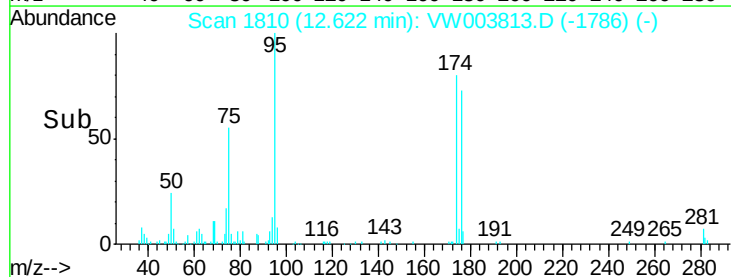
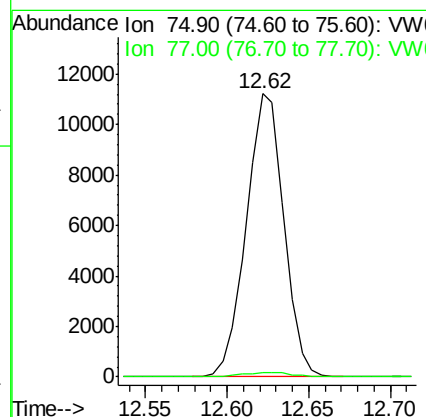
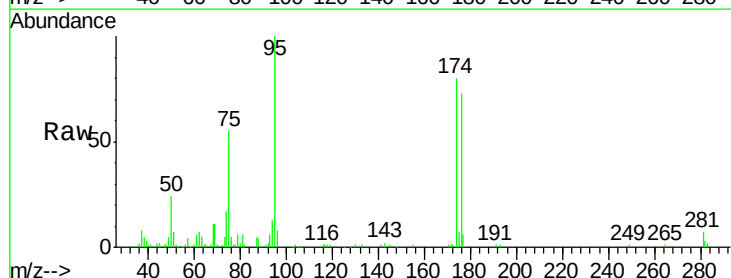
Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-17

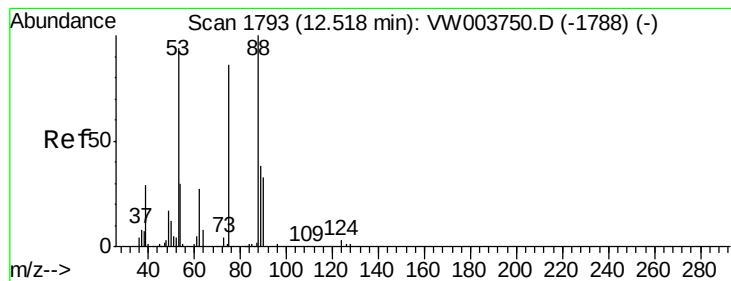
Tot Ion:152 Resp: 30467
 Ion Ratio Lower Upper
 152 100
 115 58.9 28.9 86.8
 150 155.5 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 60.148 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003813.D
 Acq: 10 Jul 2018 08:28

Tgt Ion: 75 Resp: 17995
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.135 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003813.D

Acq: 10 Jul 2018 08:28

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-17

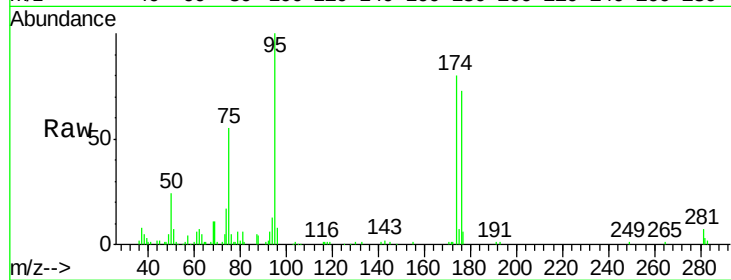
Tot Ion: 75 Resp: 17995

Ion Ratio Lower Upper

75 100

53 0.4 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

