

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003799.D
 Acq On : 10 Jul 2018 02:23
 Operator : SY/AP
 Sample : J3879-06
 Misc : 4.73G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-3

Quant Time: Jul 10 03:12:19 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	113482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	172434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	108439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	21846	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	62703	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	
35) Dibromofluoromethane	7.88	113	56758	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	10.32	98	143228	31.03	ug/l	0.00
Spiked Amount			Recovery	=	62.06%	
62) 4-Bromofluorobenzene	12.63	95	26343	15.77	ug/l	0.00
Spiked Amount			Recovery	=	31.54%	

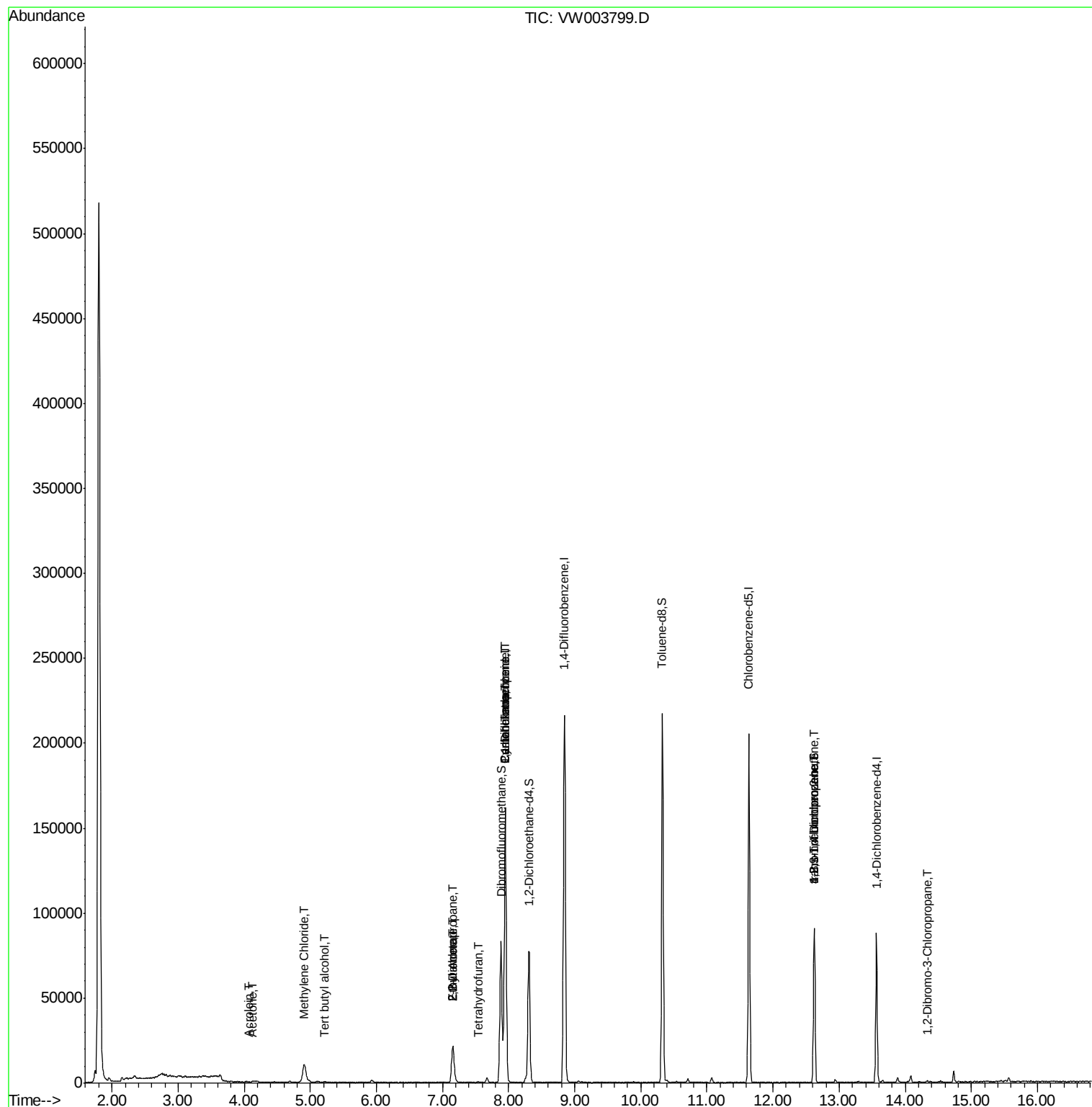
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	190	2.36	ug/l #	70
13) Acrolein	4.07	56	20	4.89	ug/l #	14
16) Acetone	4.13	43	1395	5.42	ug/l #	57
20) Methylene Chloride	4.90	84	9231	3.26	ug/l #	96
25) 2-Butanone	7.15	43	1518	3.76	ug/l #	83
26) 2,2-Dichloropropane	7.16	77	1489	1.11	ug/l #	53
29) Tetrahydrofuran	7.54	42	422	1.63	ug/l #	36
31) Cyclohexane	7.95	56	2967	1.37	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	9889	5.40	ug/l #	45
37) Ethyl Acetate	7.15	43	1518	1.71	ug/l #	1
38) Carbon Tetrachloride	7.95	117	11564	6.65	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	14235	66.36	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14235	162.32	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.34	75	64	1.23	ug/l #	4

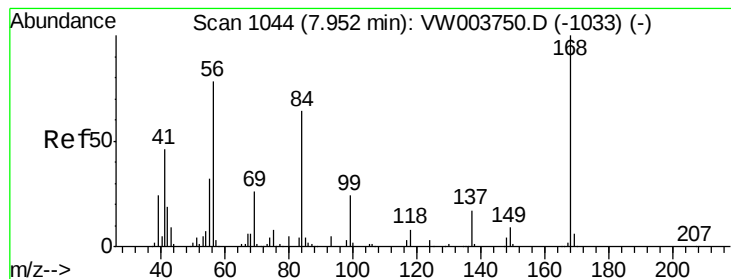
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

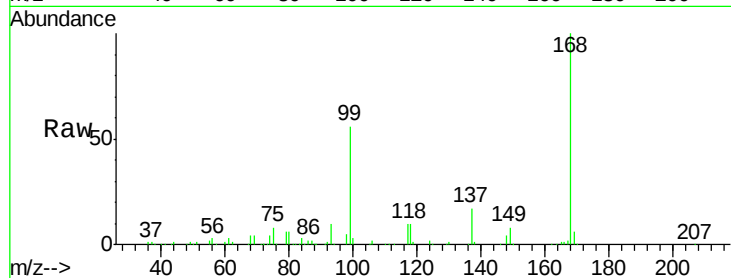
SURCHARGE-SP-3

Tot Ion:168 Resp: 113482

Ion Ratio Lower Upper

168 100

99 56.3 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

60000

50000

40000

30000

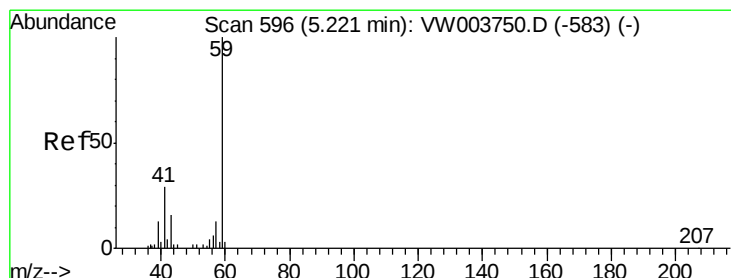
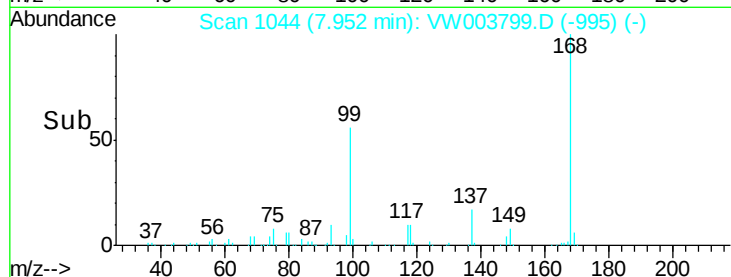
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 2.36 ug/l

RT: 5.21 min Scan# 594

Delta R.T. -0.01 min

Lab File: VW003799.D

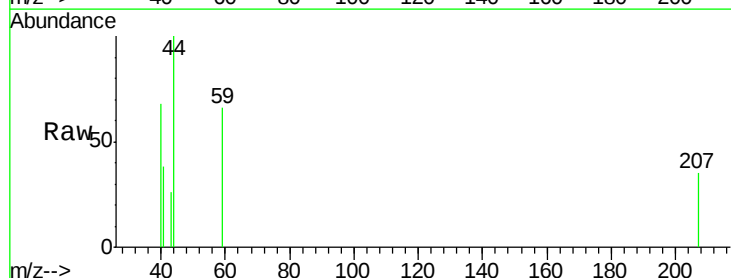
Acq: 10 Jul 2018 02:23

Tgt Ion: 59 Resp: 190

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

5.21

200

150

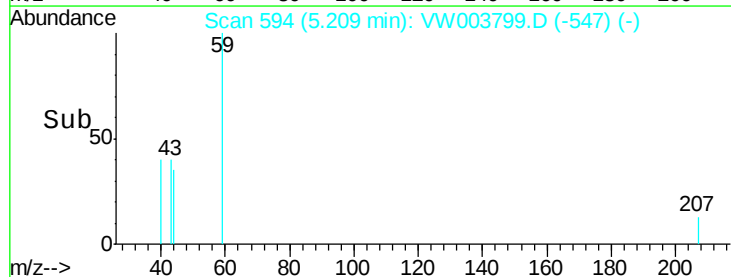
100

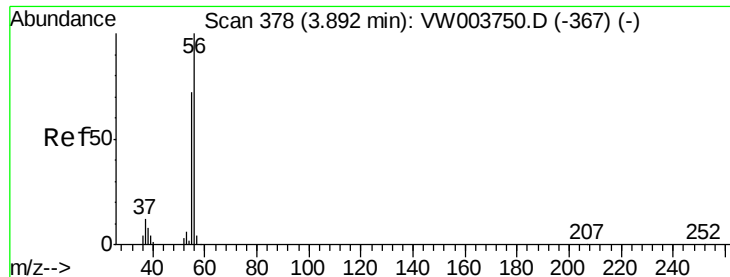
50

0

5.19 5.20 5.21 5.22

Time-->





#13

Acrolein

Concen: 4.89 ug/l

RT: 4.07 min Scan# 407

Delta R.T. 0.18 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

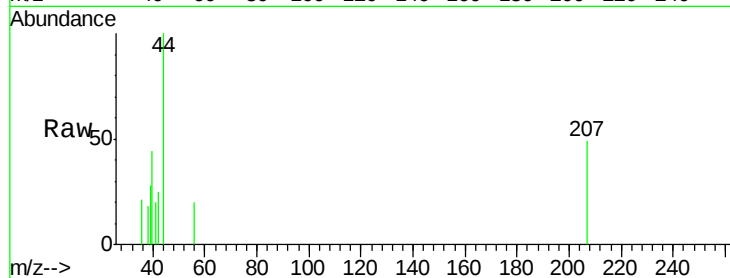
SURCHARGE-SP-3

Tot Ion: 56 Resp: 20

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

4.07

60

50

40

30

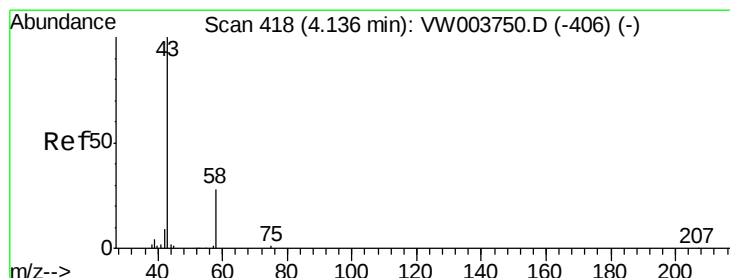
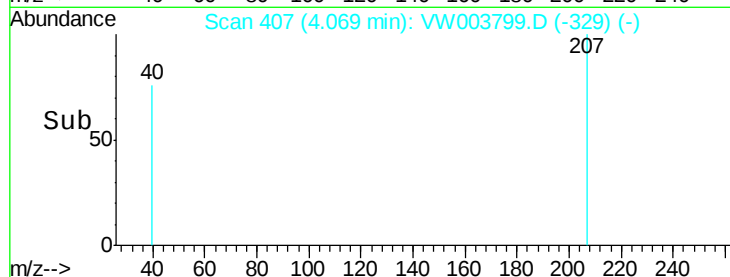
20

10

0

4.05 4.06 4.07 4.08

Time-->



#16

Acetone

Concen: 5.42 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003799.D

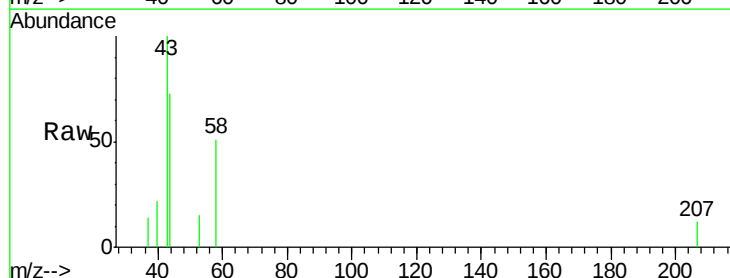
Acq: 10 Jul 2018 02:23

Tgt Ion: 43 Resp: 1395

Ion Ratio Lower Upper

43 100

58 50.8 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

500

400

300

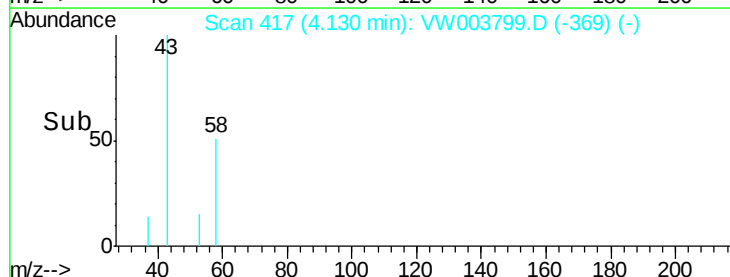
200

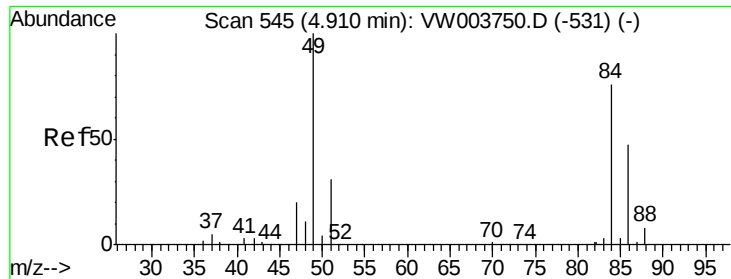
100

0

4.05 4.10 4.15 4.20 4.25

Time-->

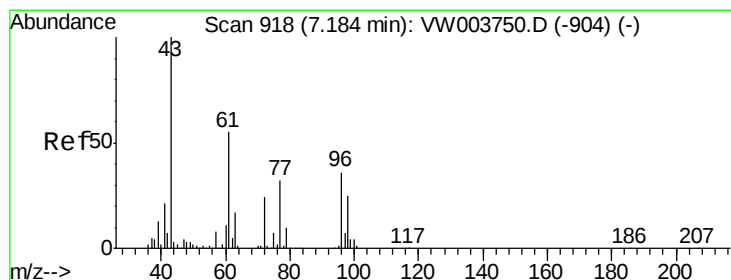
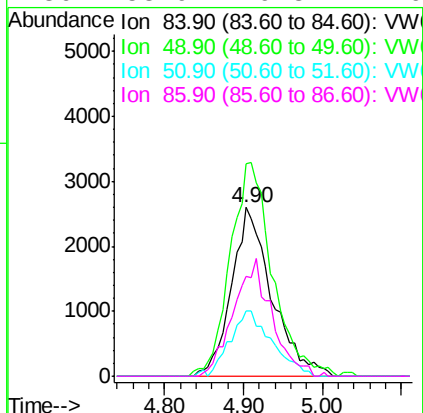
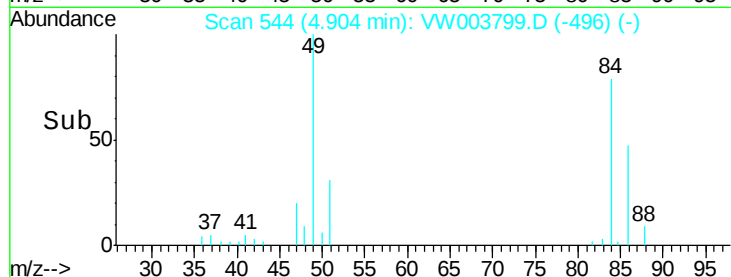
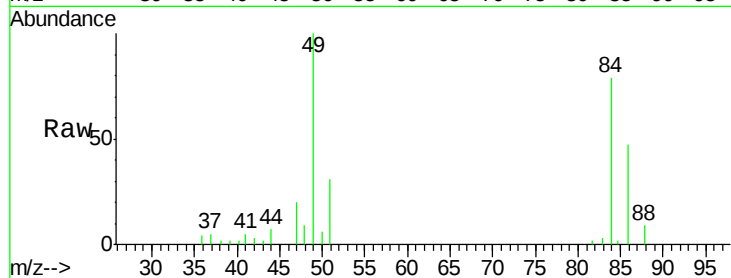




#20
Methvlene Chloride
Concen: 3.26 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003799.D
Acq: 10 Jul 2018 02:23

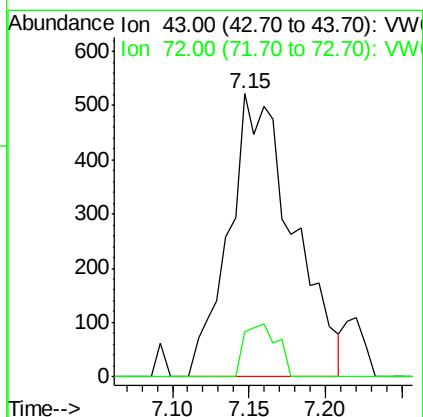
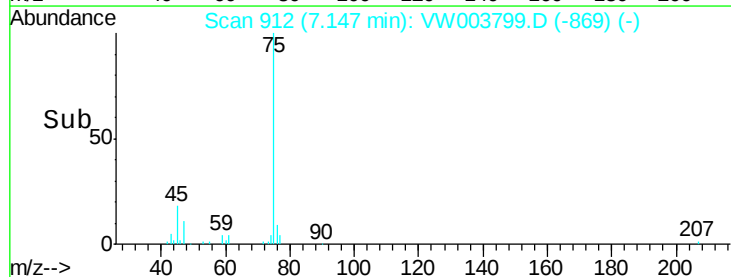
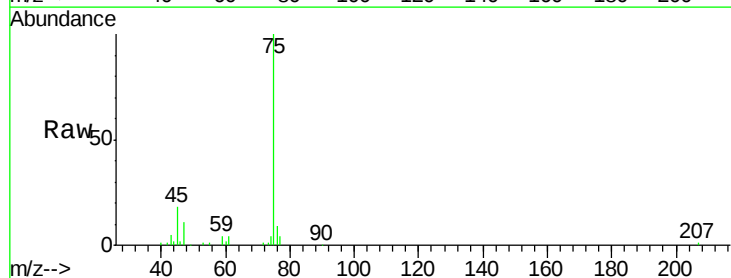
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-3

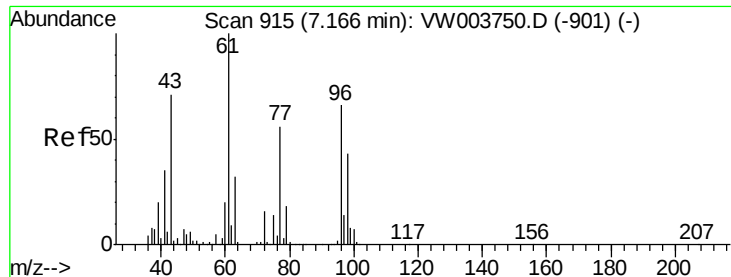
Tot Ion:	84	Resp:	9231
Ion	Ratio	Lower	Upper
84	100		
49	125.8	105.1	157.7
51	39.1	32.5	48.7
86	58.9	49.8	74.6



#25
2-Butanone
Concen: 3.76 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW003799.D
Acq: 10 Jul 2018 02:23

Tgt Ion:	43	Resp:	1518
Ion	Ratio	Lower	Upper
43	100		
72	15.9	19.4	29.2#





#26

2,2-Dichloropropane

Concen: 1.11 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

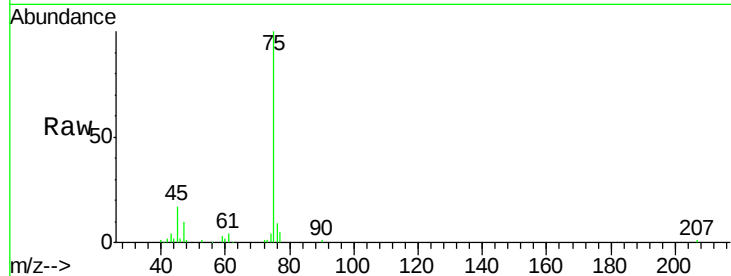
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-3

Tot Ion: 77 Resp: 1489

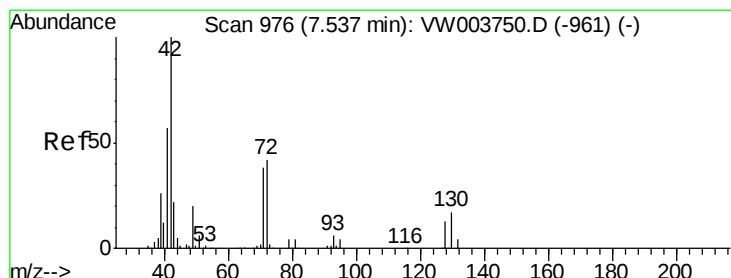
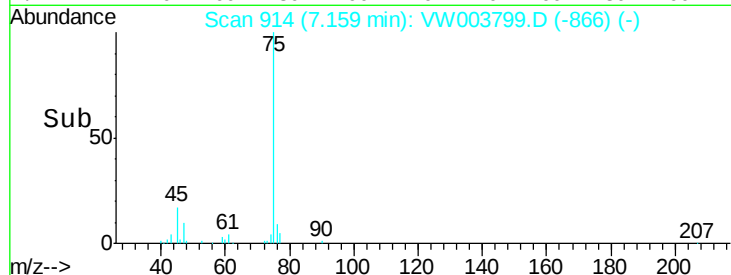
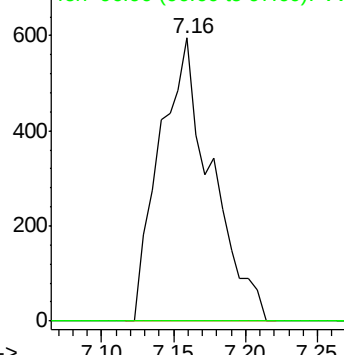
Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.5#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 1.63 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

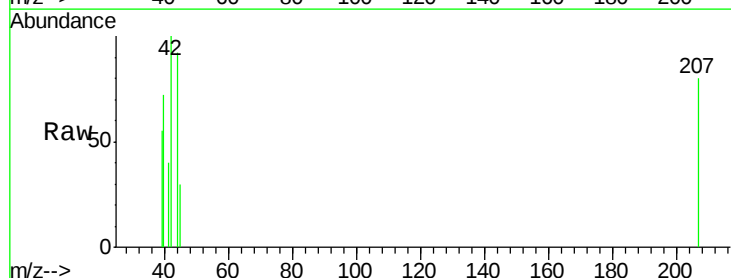
Tgt Ion: 42 Resp: 422

Ion Ratio Lower Upper

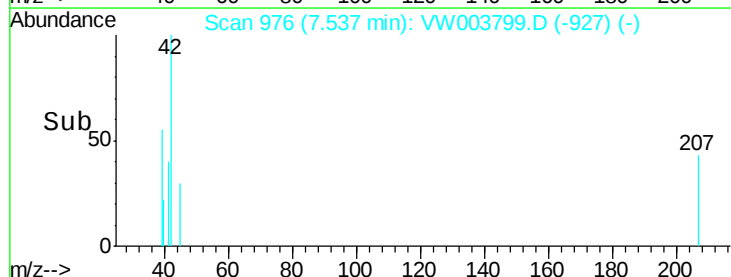
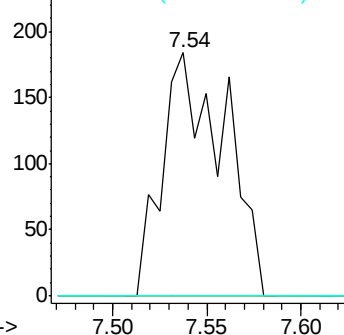
42 100

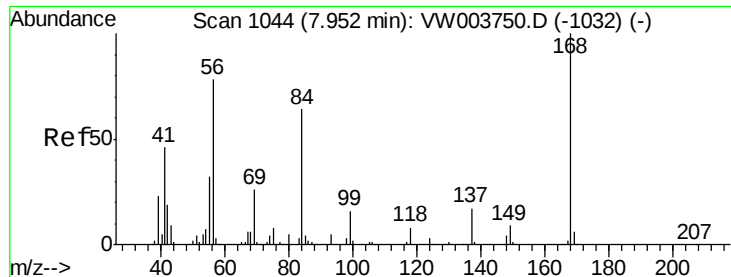
72 0.0 31.8 47.8#

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

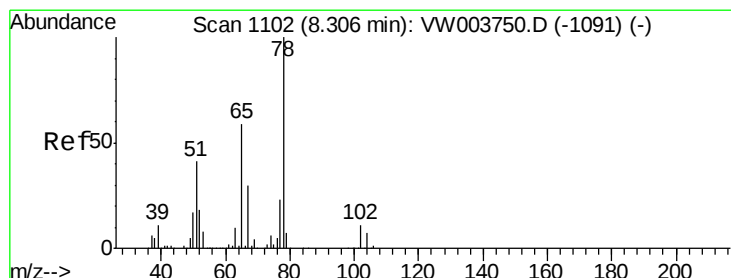
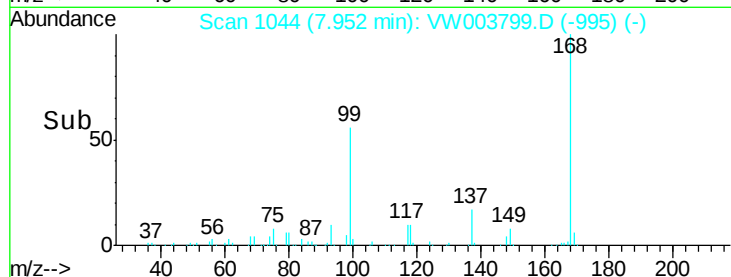
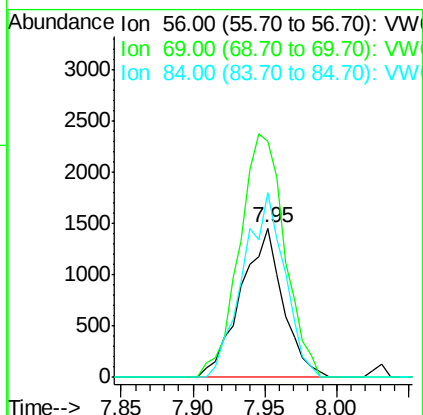
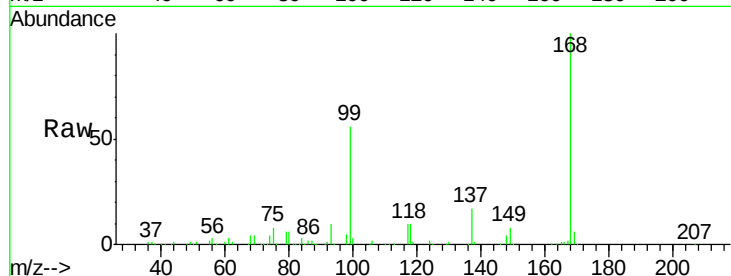




#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003799.D
Acq: 10 Jul 2018 02:23

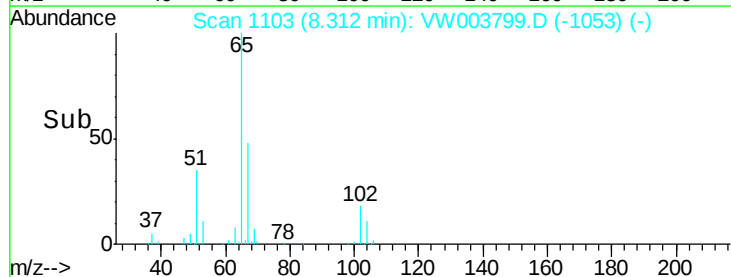
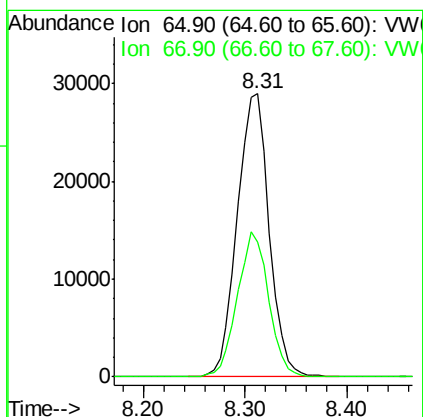
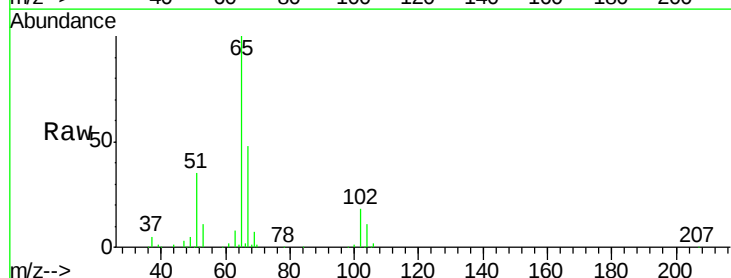
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-3

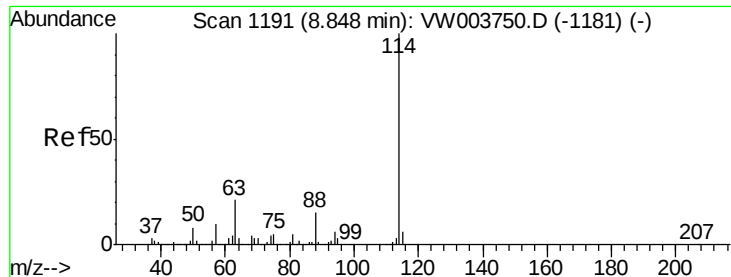
Tot Ion: 56 Resp: 2967
Ion Ratio Lower Upper
56 100
69 158.3 26.2 39.4#
84 123.9 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 42.25 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VW003799.D
Acq: 10 Jul 2018 02:23

Tgt Ion: 65 Resp: 62703
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.8

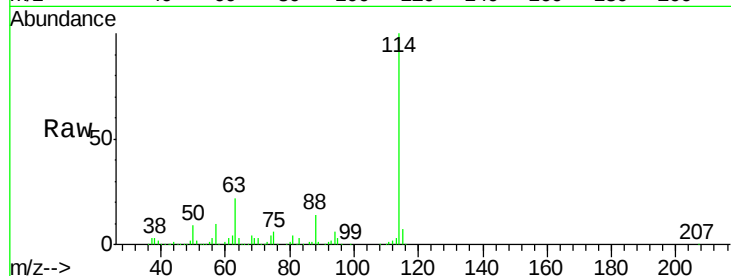




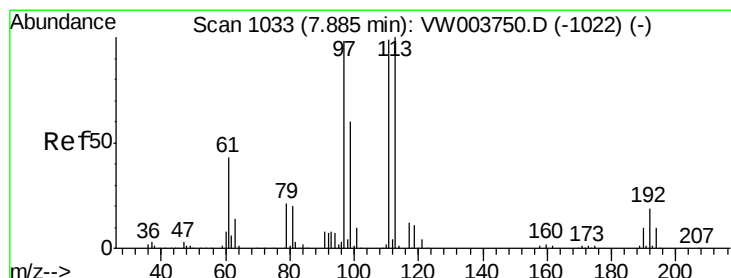
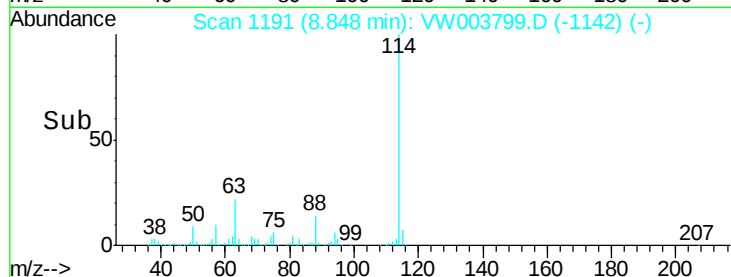
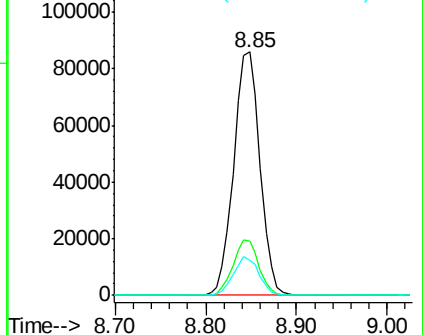
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003799.D
 Acq: 10 Jul 2018 02:23

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-3

Tot Ion:114 Resp: 172434
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 41.8
 88 14.3 0.0 30.2

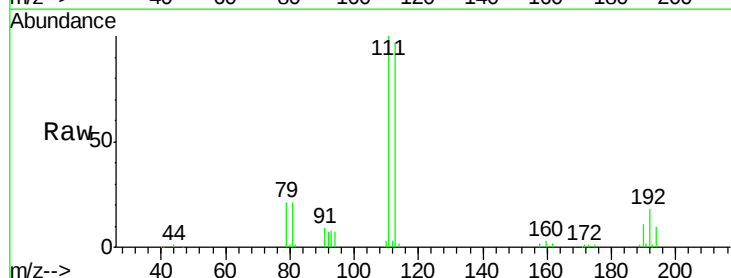


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

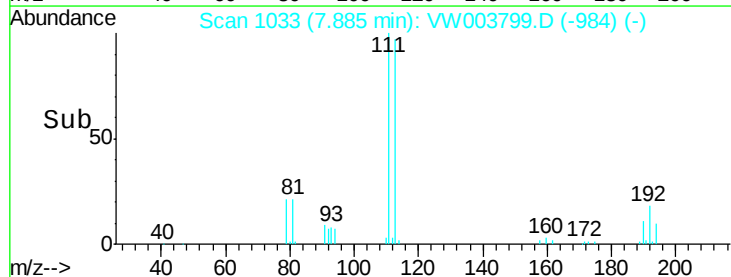
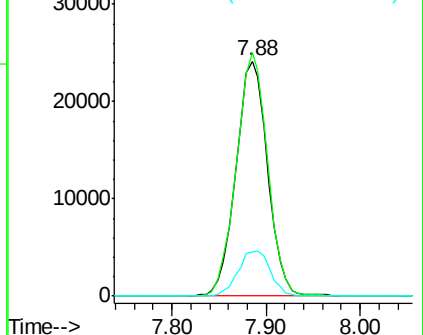


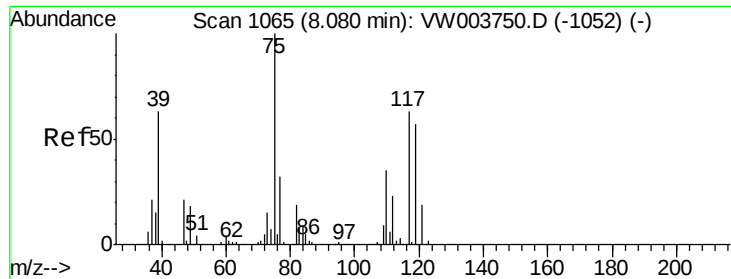
#35
 Dibromofluoromethane
 Concen: 47.03 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003799.D
 Acq: 10 Jul 2018 02:23

Tgt Ion:113 Resp: 56758
 Ion Ratio Lower Upper
 113 100
 111 101.9 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: 5.40 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-3

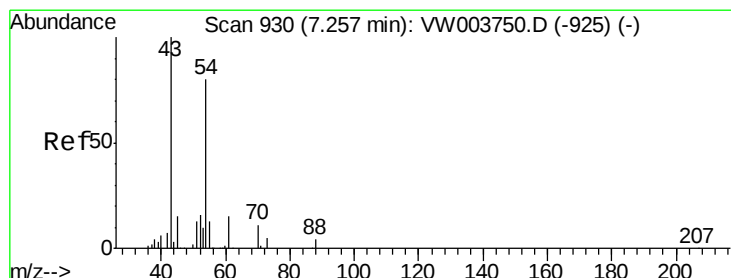
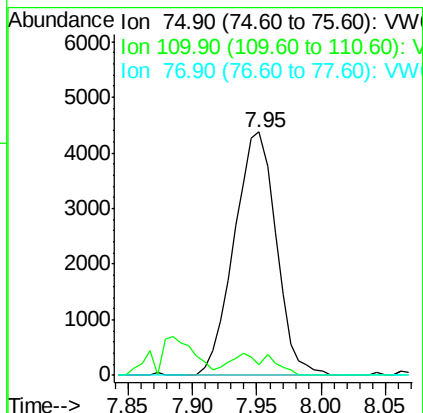
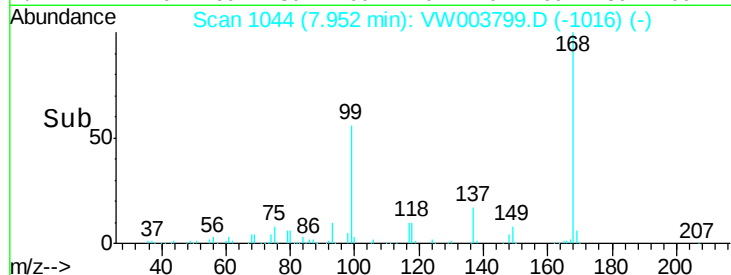
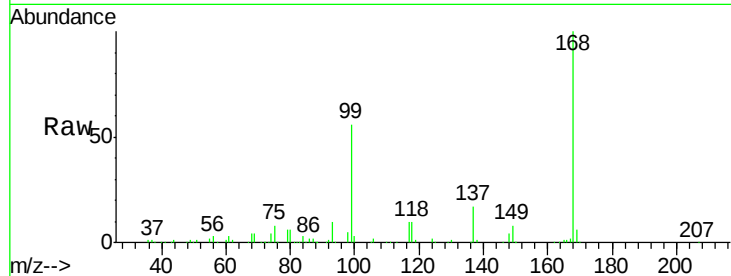
Tot Ion: 75 Resp: 9889

Ion Ratio Lower Upper

75 100

110 3.5 16.9 50.6#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.71 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.11 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

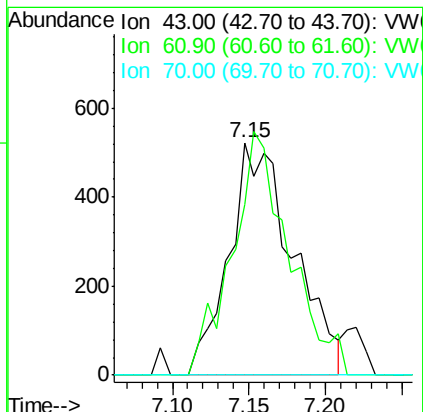
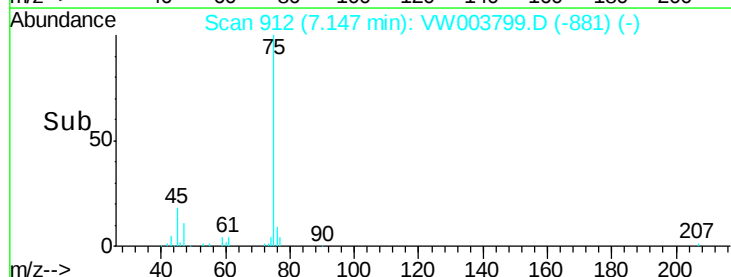
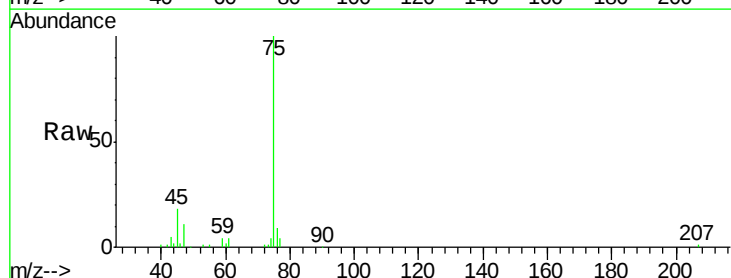
Tgt Ion: 43 Resp: 1518

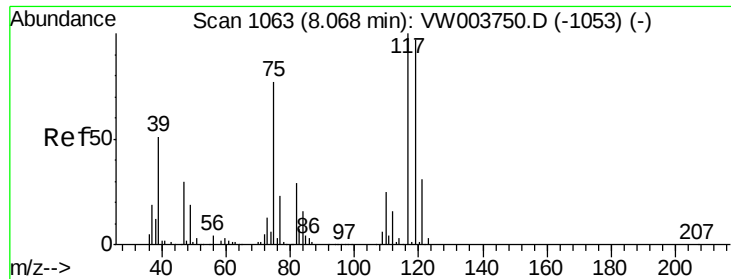
Ion Ratio Lower Upper

43 100

61 93.6 10.6 15.8#

70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 6.65 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-3

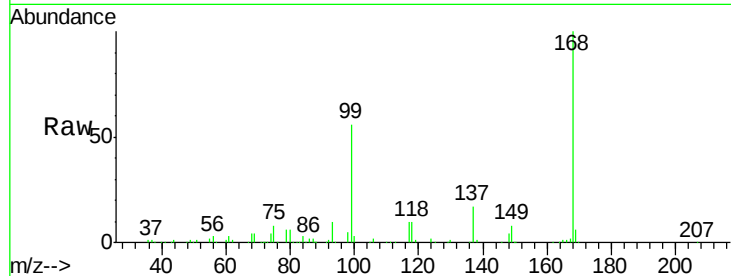
Tot Ion:117 Resp: 11564

Ion Ratio Lower Upper

117 100

119 7.6 77.4 116.2#

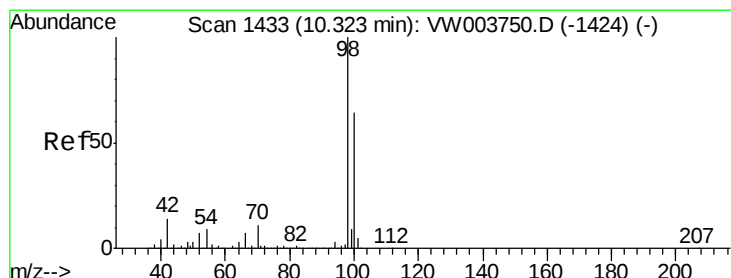
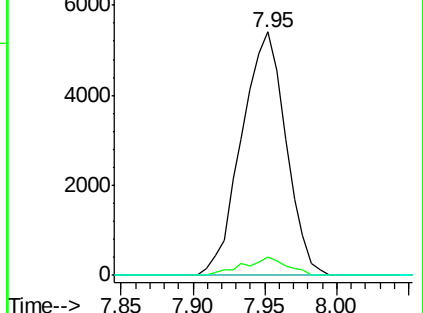
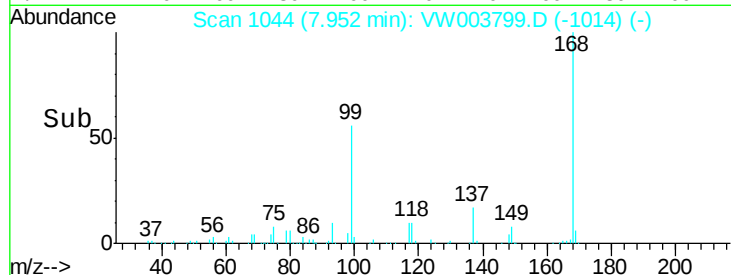
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 31.03 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VW003799.D

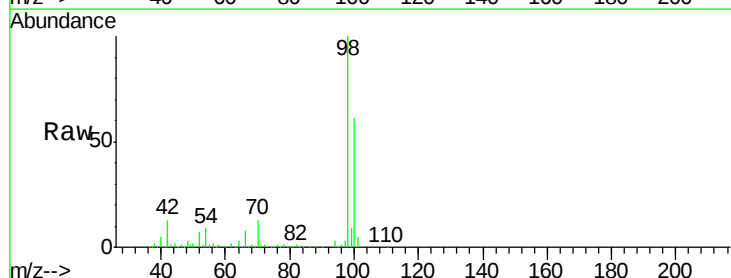
Acq: 10 Jul 2018 02:23

Tgt Ion: 98 Resp: 143228

Ion Ratio Lower Upper

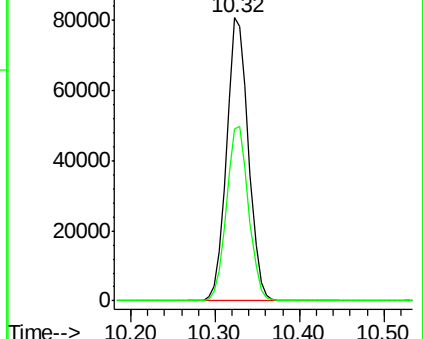
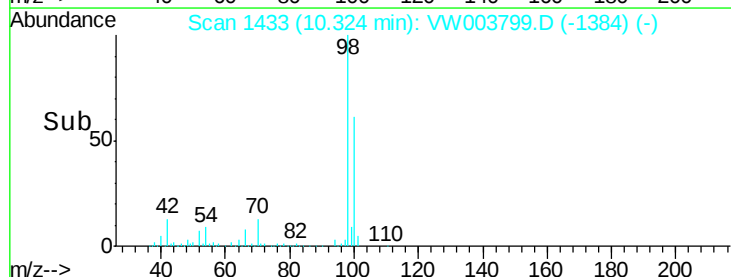
98 100

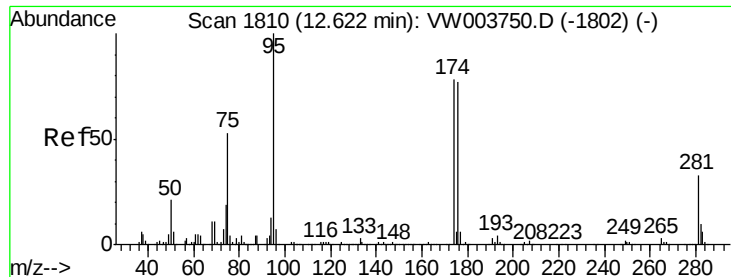
100 62.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 15.77 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-3

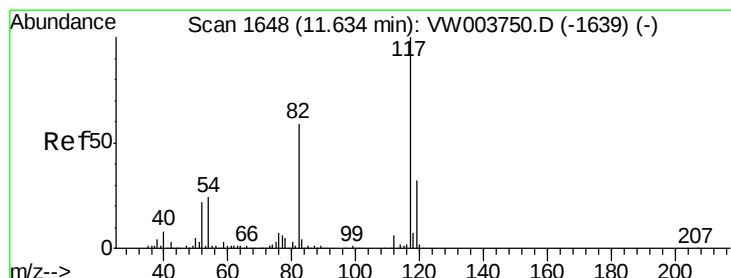
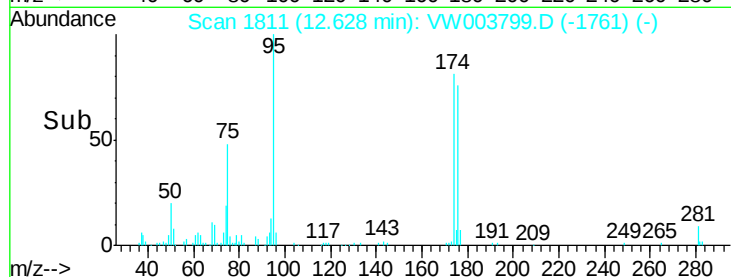
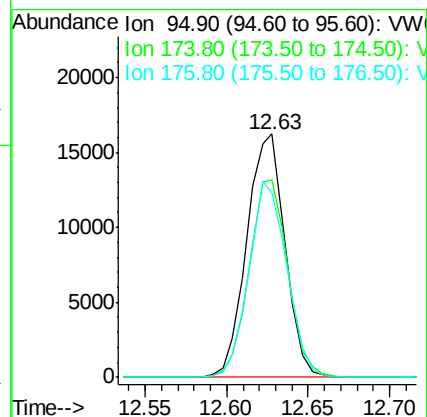
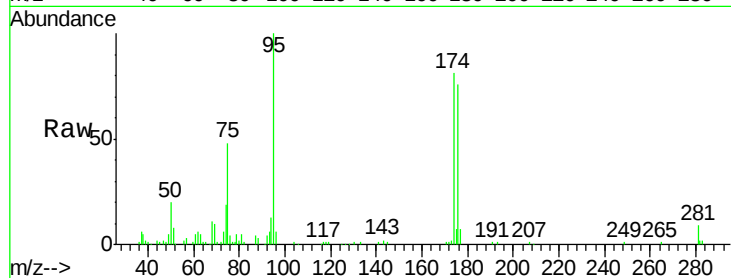
Tot Ion: 95 Resp: 26343

Ion Ratio Lower Upper

95 100

174 82.5 0.0 163.4

176 80.1 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: VW003799.D

Acq: 10 Jul 2018 02:23

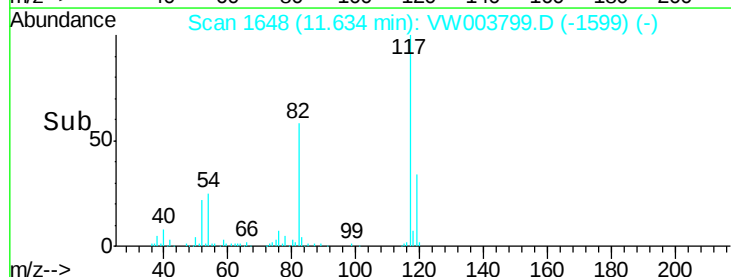
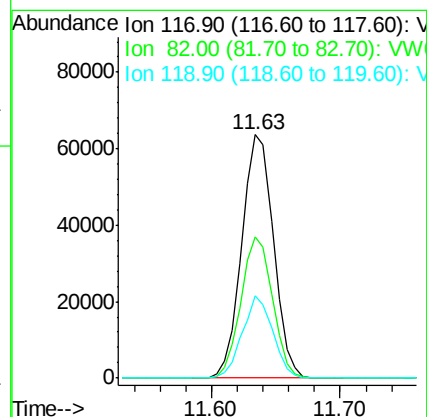
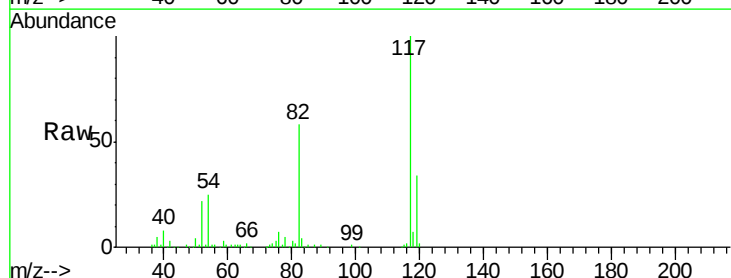
Tgt Ion: 117 Resp: 108439

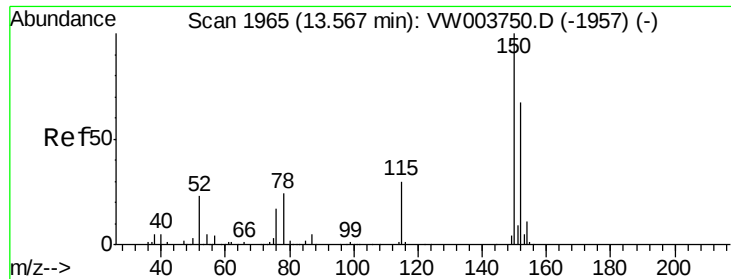
Ion Ratio Lower Upper

117 100

82 58.0 46.9 70.3

119 33.8 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: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-3

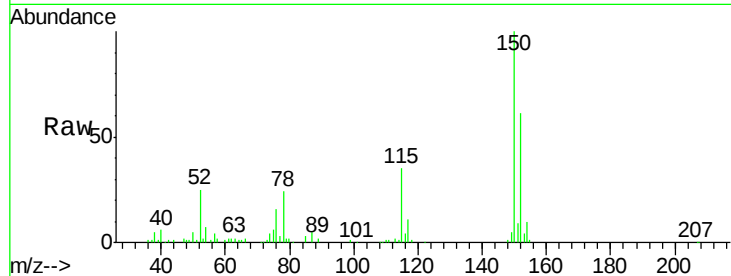
Tot Ion:152 Resp: 21846

Ion Ratio Lower Upper

152 100

115 59.6 28.9 86.8

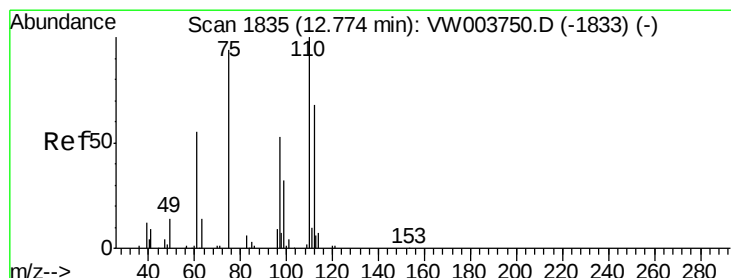
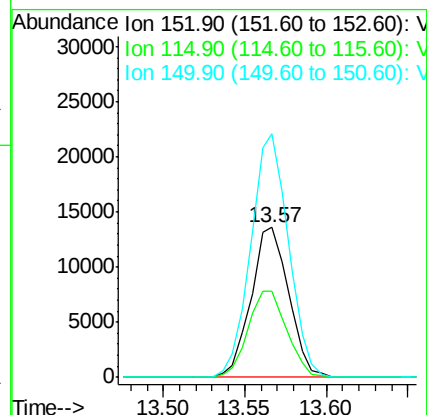
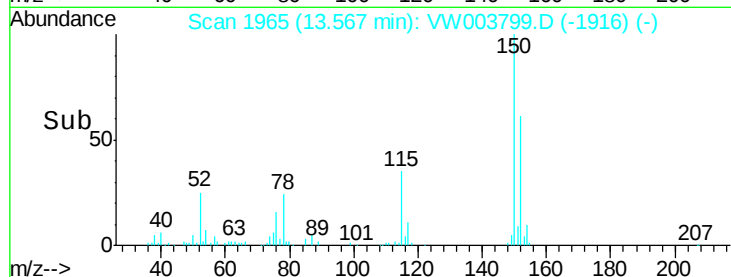
150 162.2 0.0 342.4



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: 66.36 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003799.D

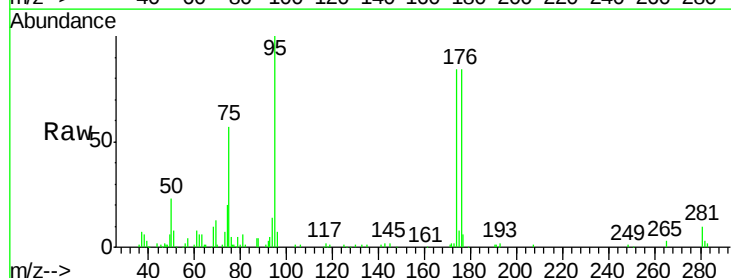
Acq: 10 Jul 2018 02:23

Tgt Ion: 75 Resp: 14235

Ion Ratio Lower Upper

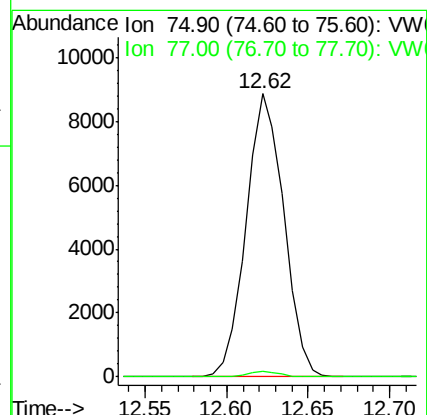
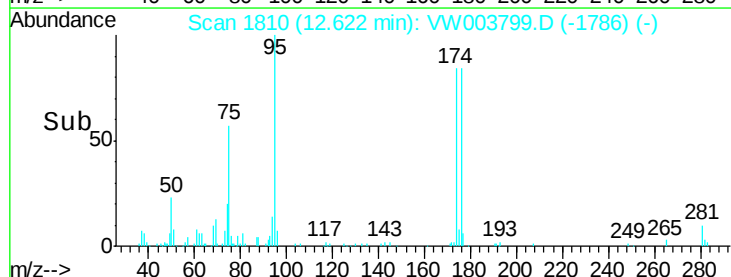
75 100

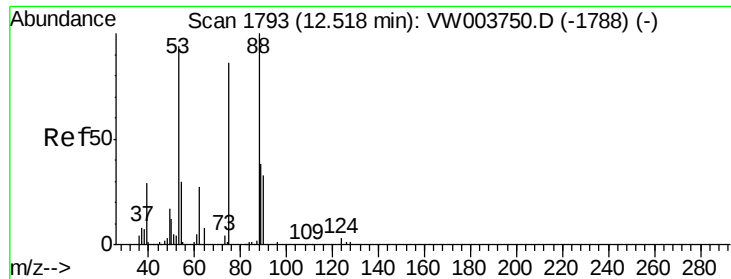
77 1.7 0.0 0.0#



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: 162.32 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-3

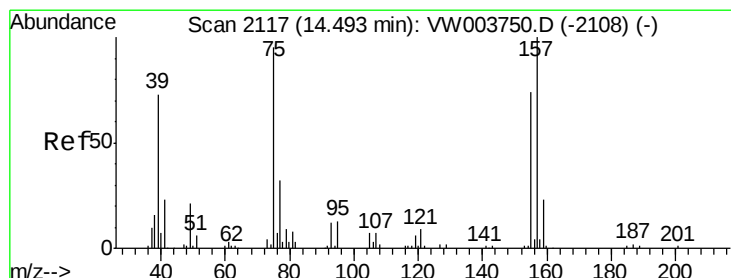
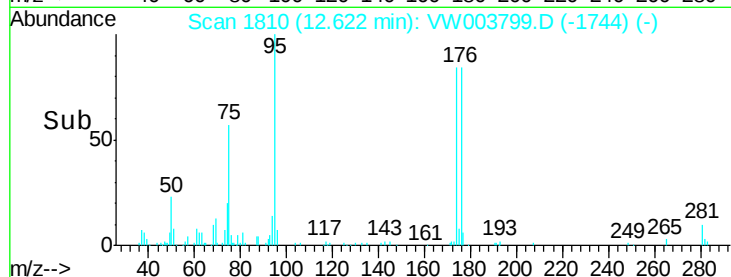
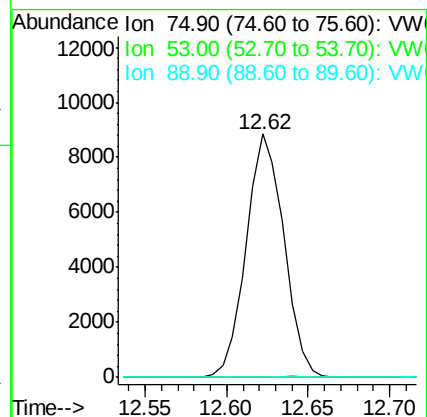
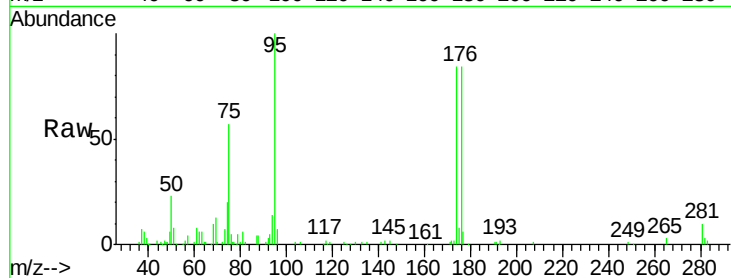
Tot Ion: 75 Resp: 14235

Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.0 36.3 54.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.23 ug/l

RT: 14.34 min Scan# 2091

Delta R.T. -0.16 min

Lab File: VW003799.D

Acq: 10 Jul 2018 02:23

Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

155 0.0 39.2 117.6#

157 0.0 50.7 152.1#

