

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003809.D
 Acq On : 10 Jul 2018 06:43
 Operator : SY/AP
 Sample : J3880-06
 Misc : 5.50G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-13

Quant Time: Jul 10 08:07:10 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	97073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	21710	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	62858	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.88	113	56718	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	10.33	98	135477	33.50	ug/l	0.00
Spiked Amount			Recovery	=	67.00%	
62) 4-Bromofluorobenzene	12.62	95	26400	18.04	ug/l	0.00
Spiked Amount			Recovery	=	36.08%	

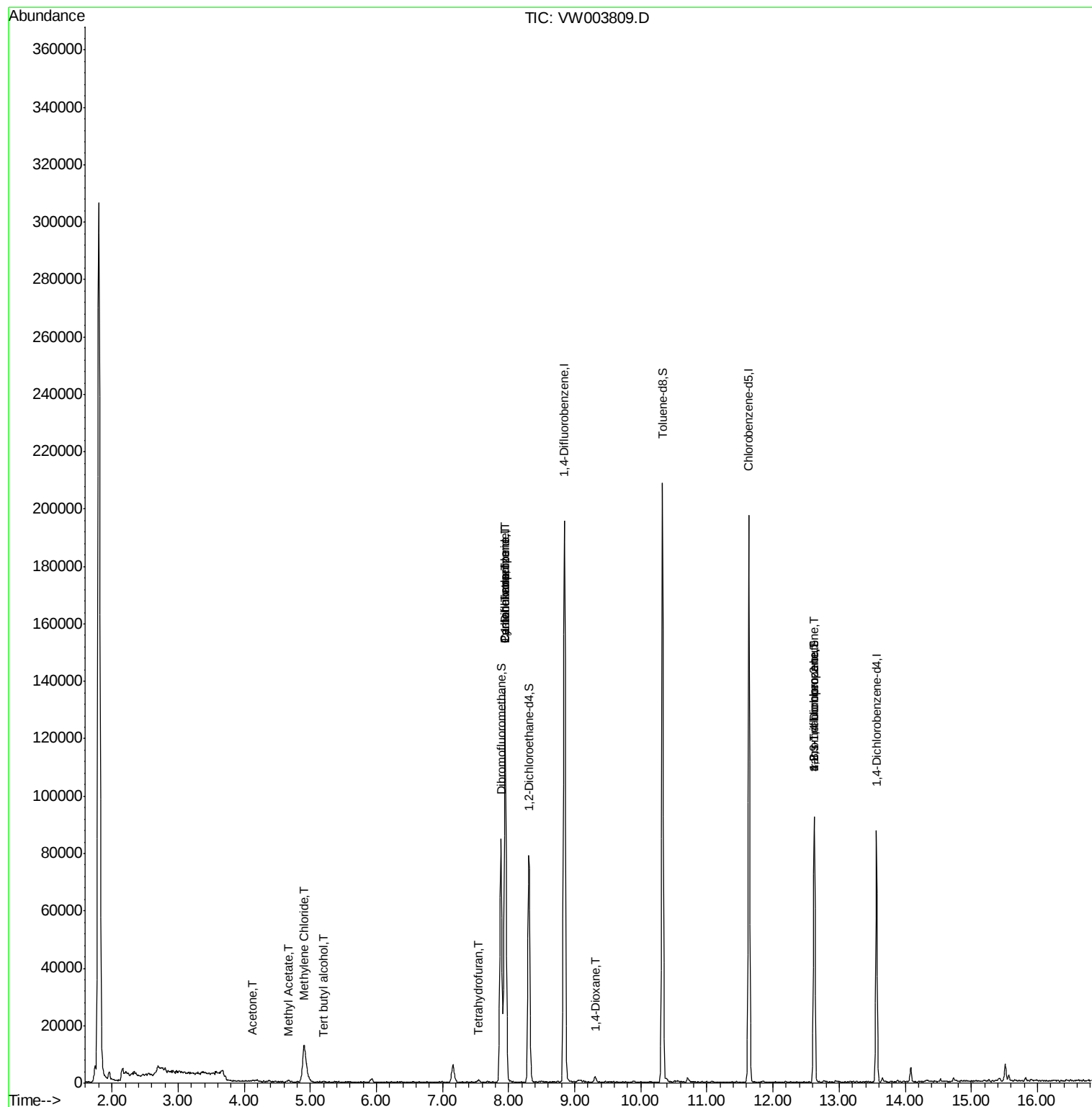
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	273	3.97	ug/l #	70
16) Acetone	4.13	43	852	3.87	ug/l #	86
18) Methyl Acetate	4.67	43	1086	1.75	ug/l #	86
20) Methylene Chloride	4.91	84	11747	7.19	ug/l #	91
29) Tetrahydrofuran	7.55	42	405	1.83	ug/l #	46
31) Cyclohexane	7.94	56	2732	1.47	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	8630	5.38	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10032	6.58	ug/l #	16
49) 1,4-Dioxane	9.32	88	72	7.69	ug/l #	12
76) 1,2,3-Trichloropropane	12.62	75	14922	69.99	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	14922	171.22	ug/l #	8

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

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

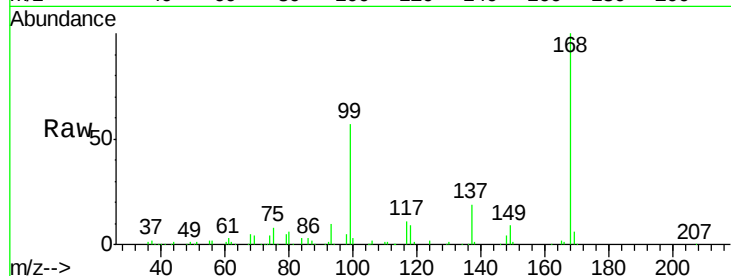
SURCHARGE-SP-13

Tot Ion:168 Resp: 97073

Ion Ratio Lower Upper

168 100

99 56.8 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

40000

30000

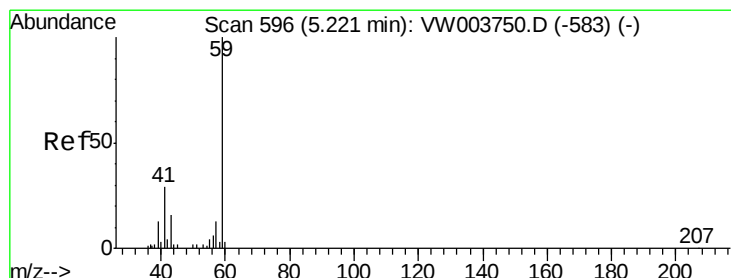
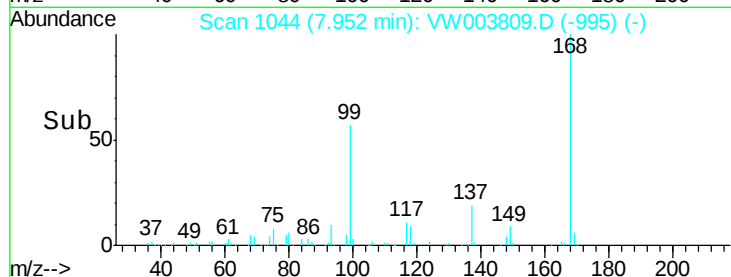
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 3.97 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.02 min

Lab File: VW003809.D

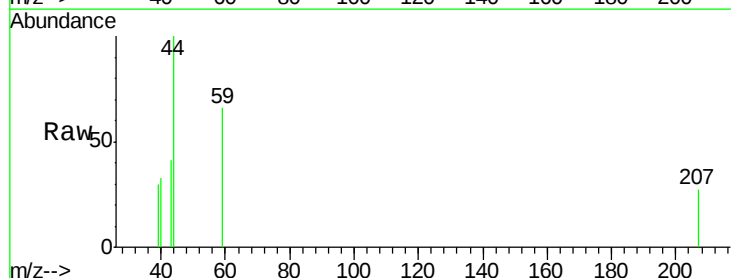
Acq: 10 Jul 2018 06:43

Tgt Ion: 59 Resp: 273

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

150

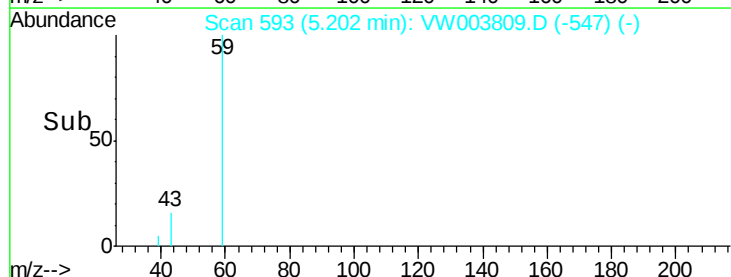
100

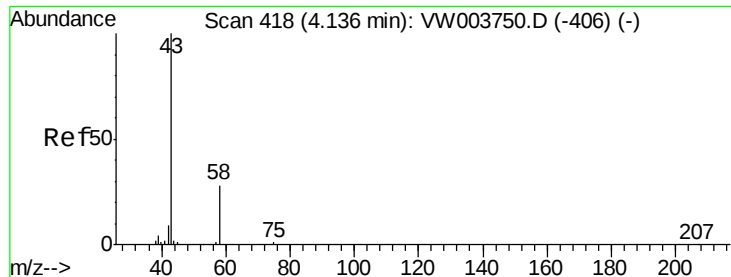
50

0

5.15 5.20 5.25

Time-->





#16

Acetone

Concen: 3.87 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

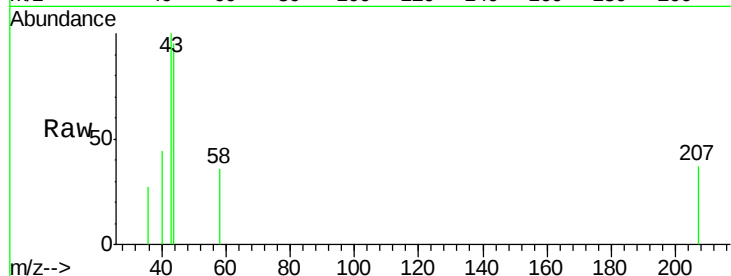
SURCHARGE-SP-13

Tot Ion: 43 Resp: 852

Ion Ratio Lower Upper

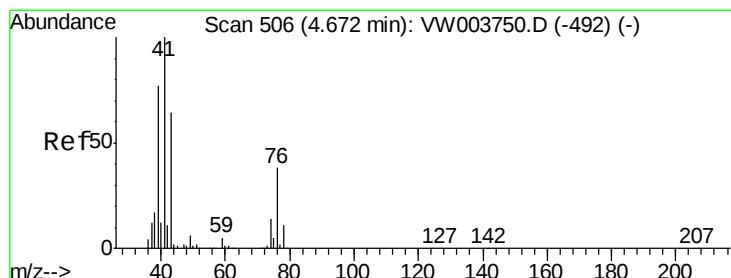
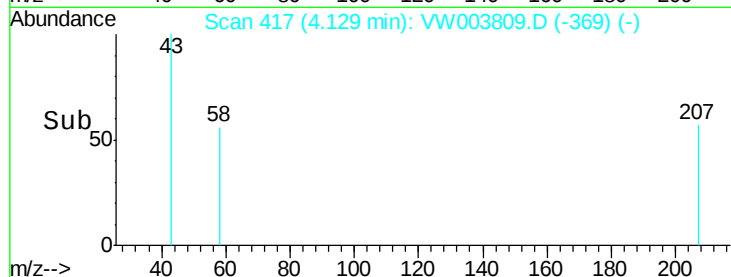
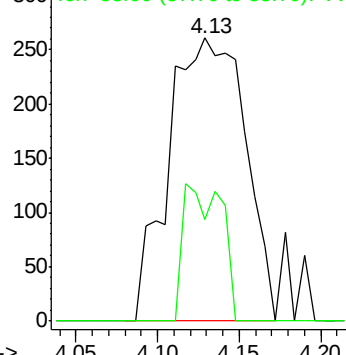
43 100

58 35.6 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.75 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW003809.D

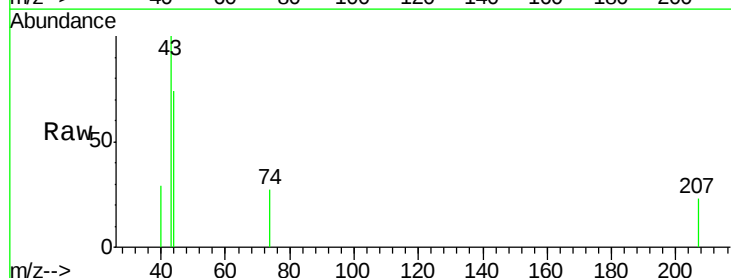
Acq: 10 Jul 2018 06:43

Tgt Ion: 43 Resp: 1086

Ion Ratio Lower Upper

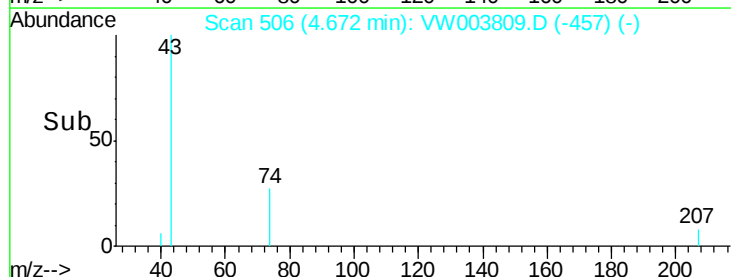
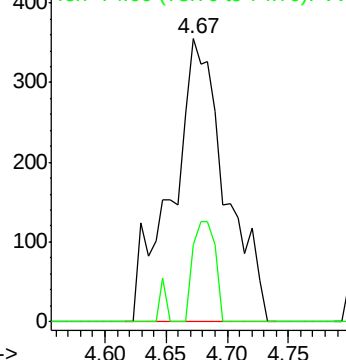
43 100

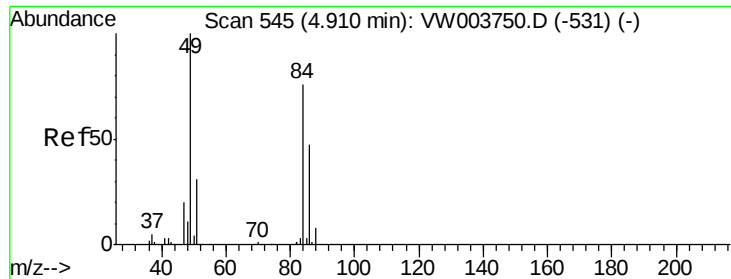
74 15.0 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

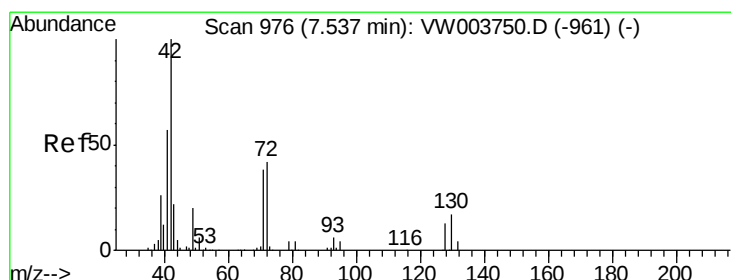
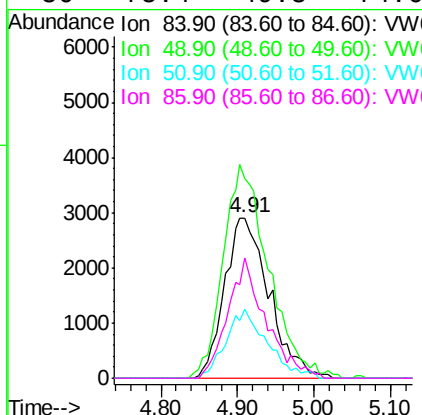
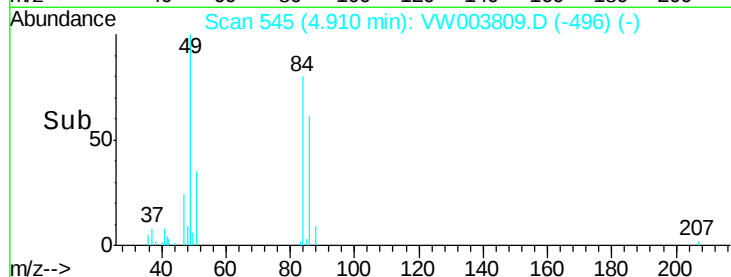
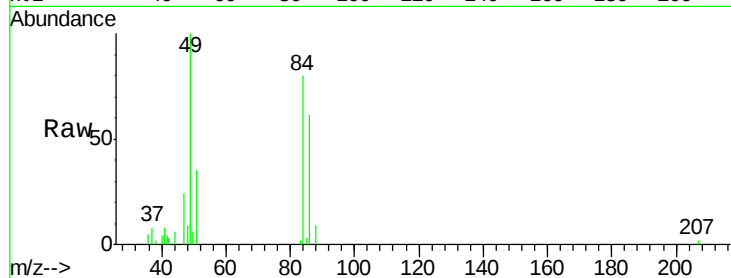




#20
Methvlene Chloride
Concen: 7.19 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003809.D
Acq: 10 Jul 2018 06:43

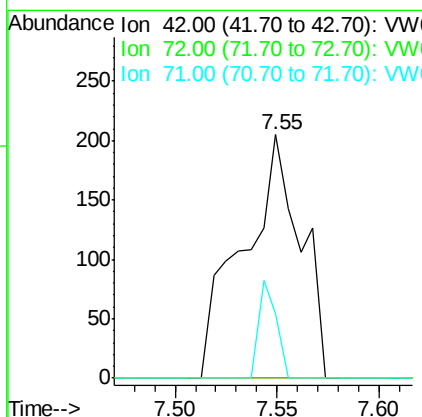
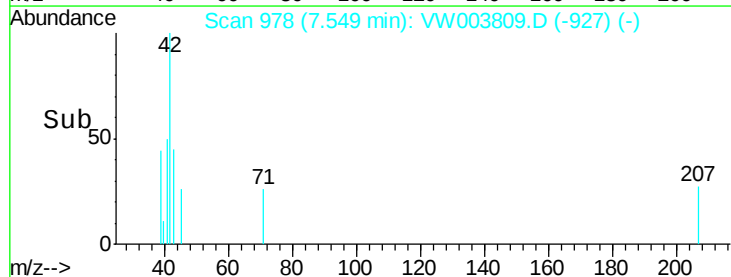
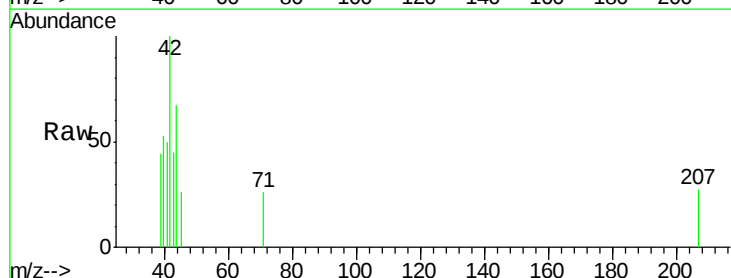
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-13

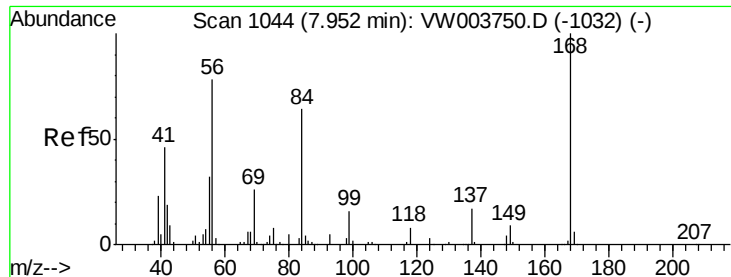
Tot Ion: 84 Resp: 11747
Ion Ratio Lower Upper
84 100
49 124.5 105.1 157.7
51 43.1 32.5 48.7
86 75.4 49.8 74.6#



#29
Tetrahydrofuran
Concen: 1.83 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003809.D
Acq: 10 Jul 2018 06:43

Tgt Ion: 42 Resp: 405
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 12.3 30.3 45.5#





#31

Cyclohexane

Concen: 1.47 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

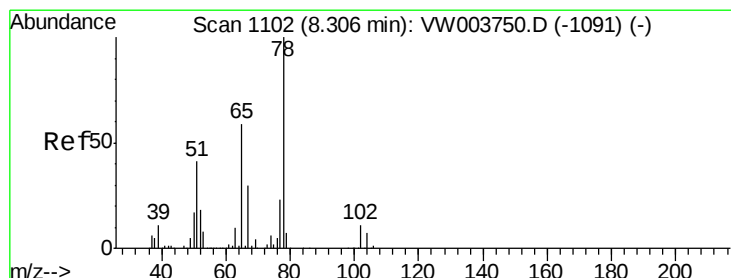
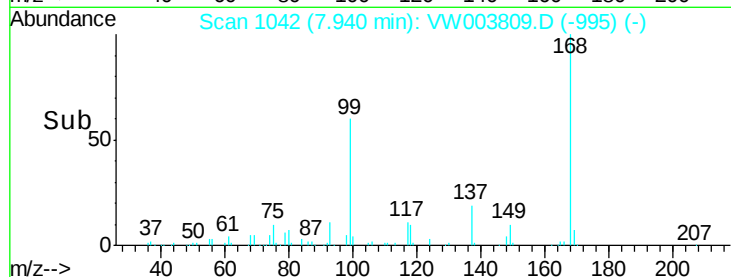
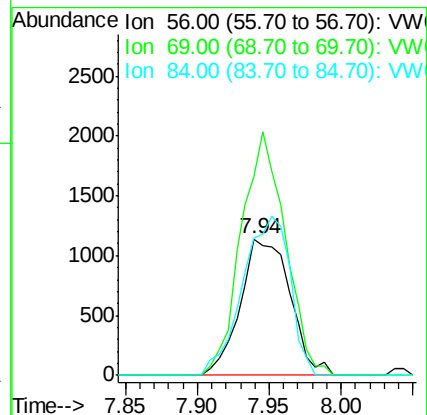
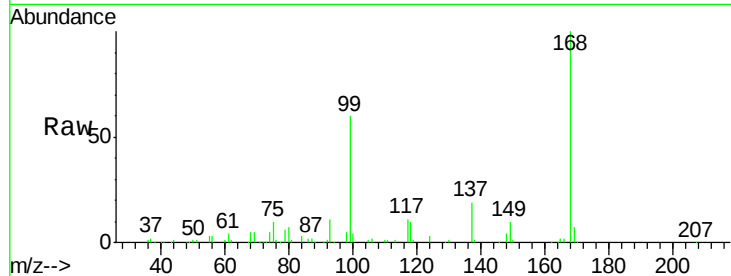
Tot Ion: 56 Resp: 2732

Ion Ratio Lower Upper

56 100

69 145.5 26.2 39.4#

84 100.6 65.5 98.3#



#33

1,2-Dichloroethane-d4

Concen: 49.52 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003809.D

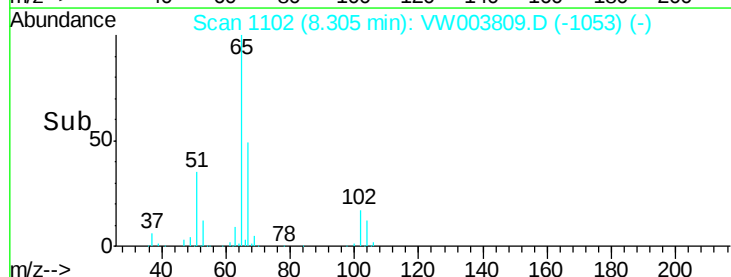
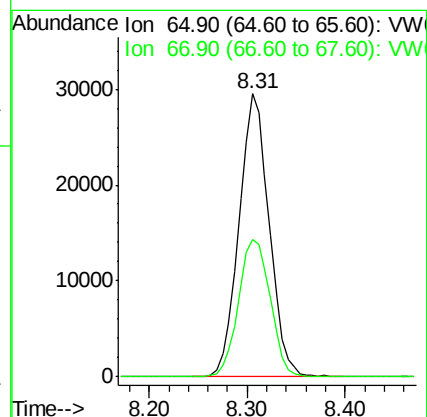
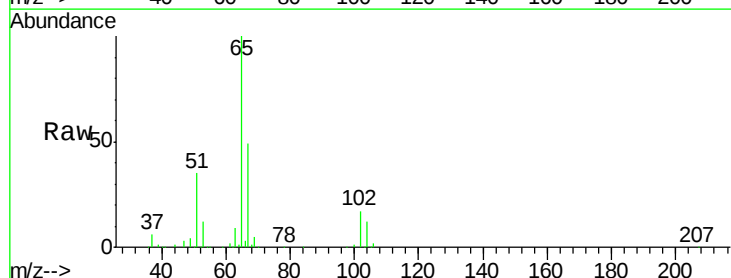
Acq: 10 Jul 2018 06:43

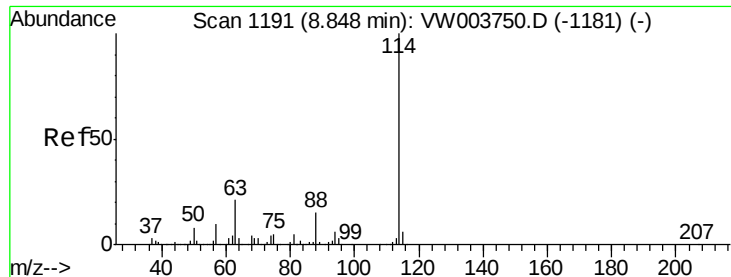
Tgt Ion: 65 Resp: 62858

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

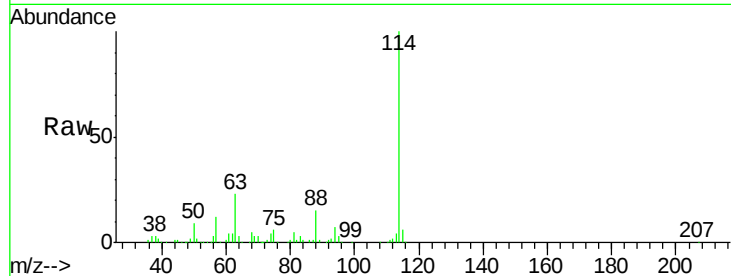
Tot Ion:114 Resp: 151067

Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 15.5 0.0 30.2



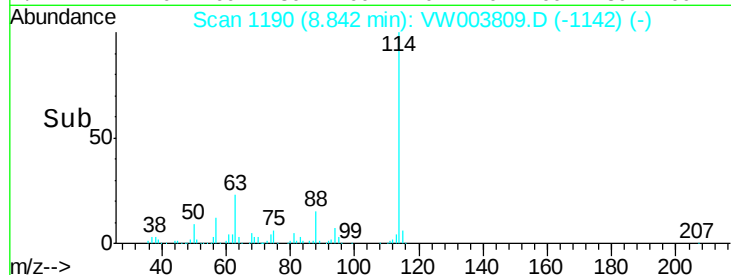
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

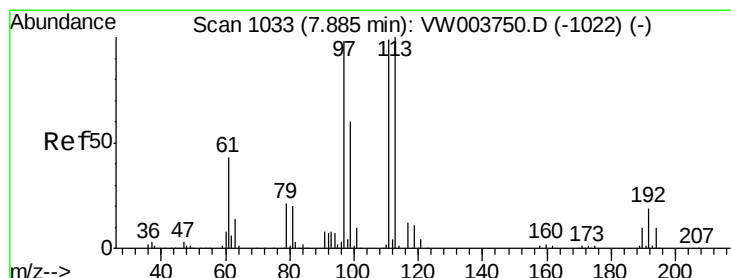
Ion 87.90 (87.60 to 88.60): VW

8.84

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 53.64 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

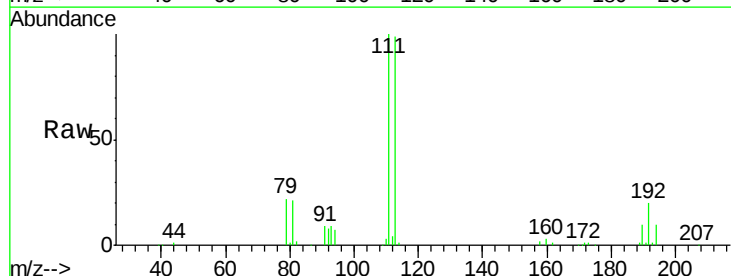
Tgt Ion:113 Resp: 56718

Ion Ratio Lower Upper

113 100

111 103.4 81.7 122.5

192 20.1 15.8 23.8



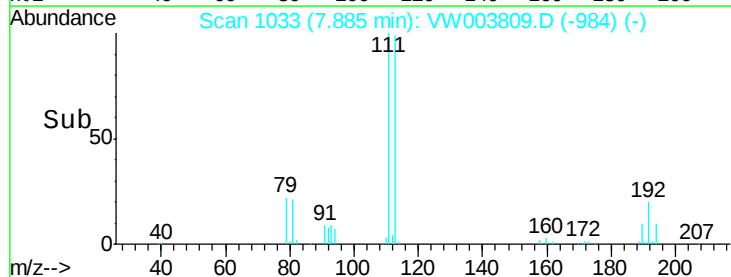
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

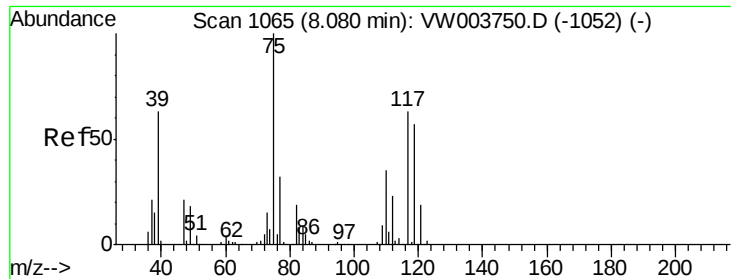
Ion 191.70 (191.40 to 192.40): V

7.88

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 5.38 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

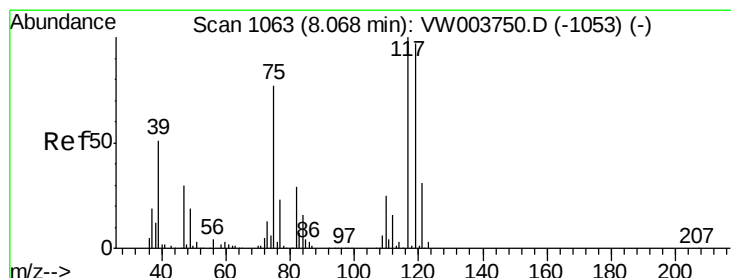
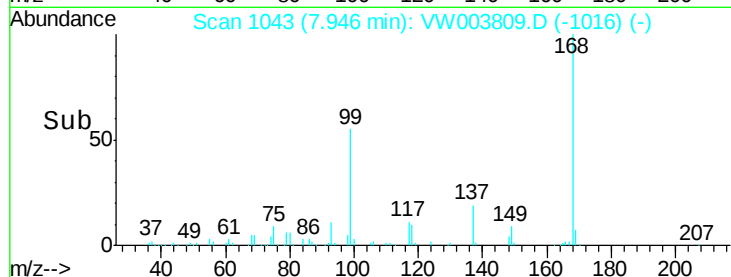
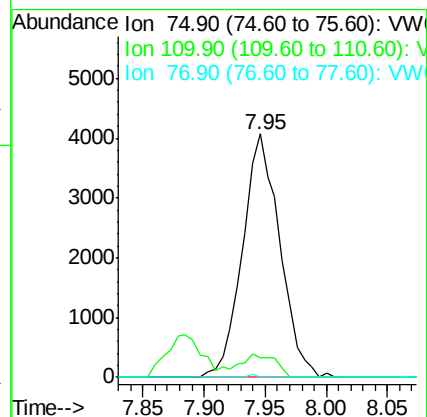
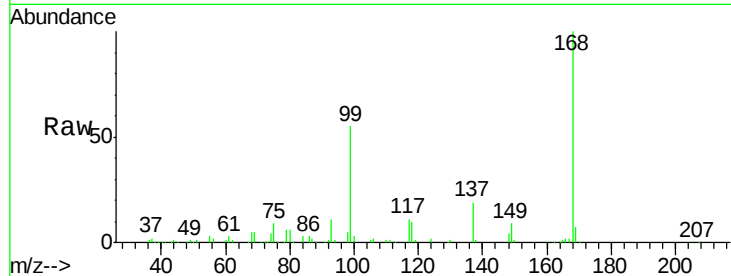
Tot Ion: 75 Resp: 8630

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.58 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

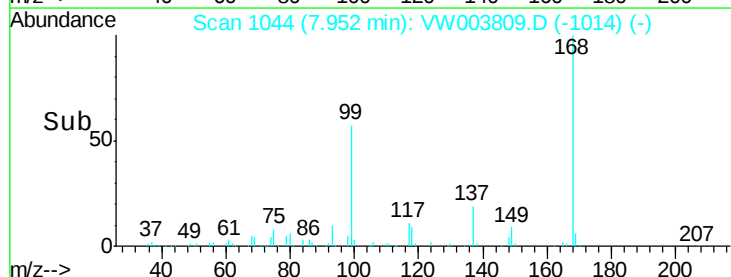
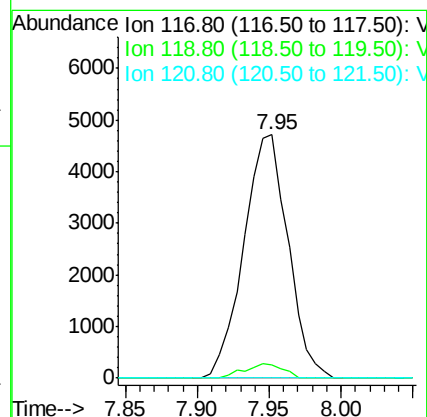
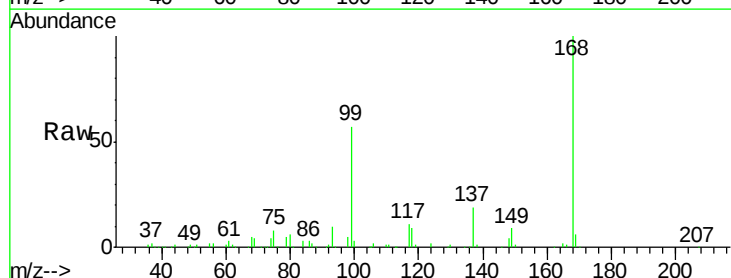
Tgt Ion: 117 Resp: 10032

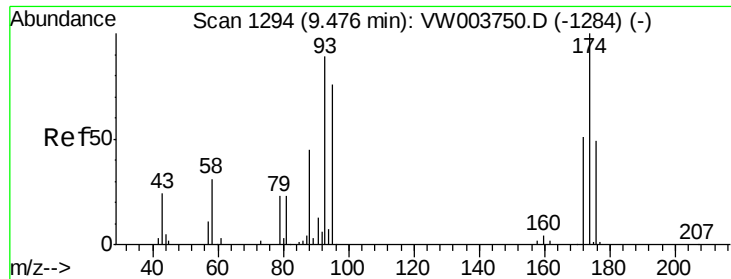
Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.2#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 7.69 ug/l

RT: 9.32 min Scan# 1268

Delta R.T. -0.16 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

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ClientSampleId :

SURCHARGE-SP-13

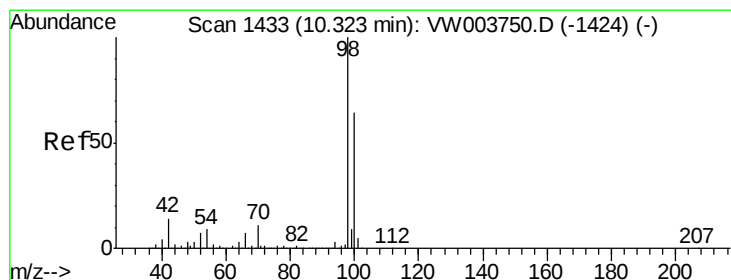
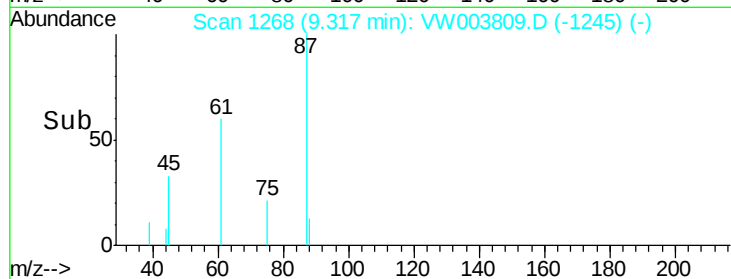
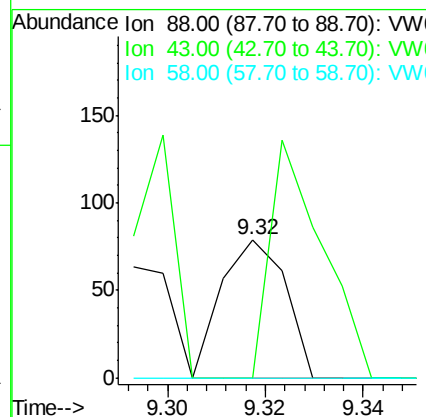
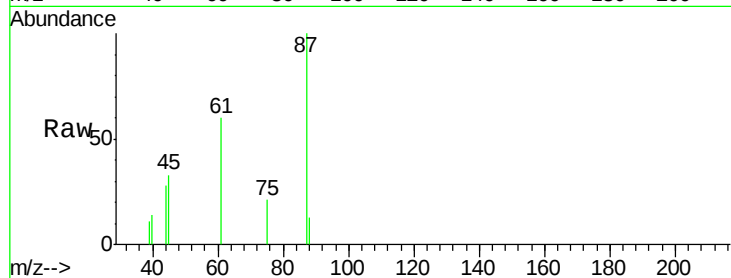
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 138.9 0.0 0.0#

58 0.0 59.7 89.5#



#50

Toluene-d8

Concen: 33.50 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003809.D

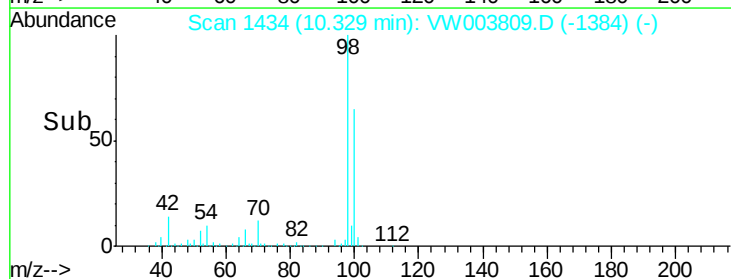
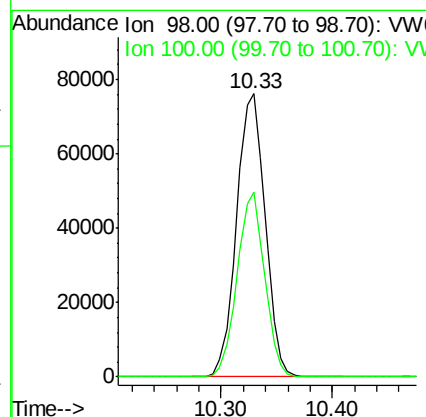
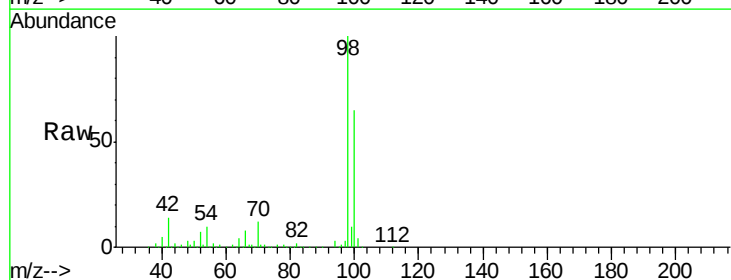
Acq: 10 Jul 2018 06:43

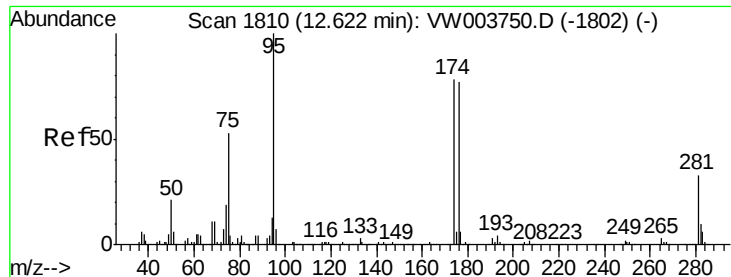
Tgt Ion: 98 Resp: 135477

Ion Ratio Lower Upper

98 100

100 62.7 50.8 76.2





#62

4-Bromofluorobenzene

Concen: 18.04 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

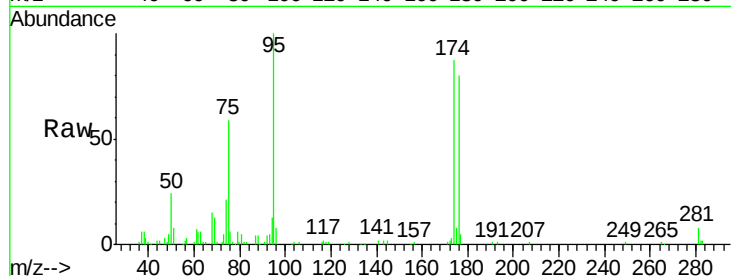
Tot Ion: 95 Resp: 26400

Ion Ratio Lower Upper

95 100

174 89.3 0.0 163.4

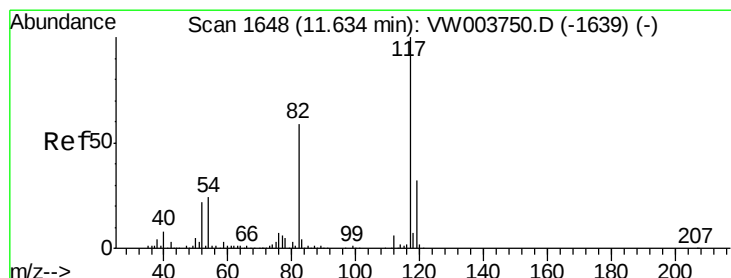
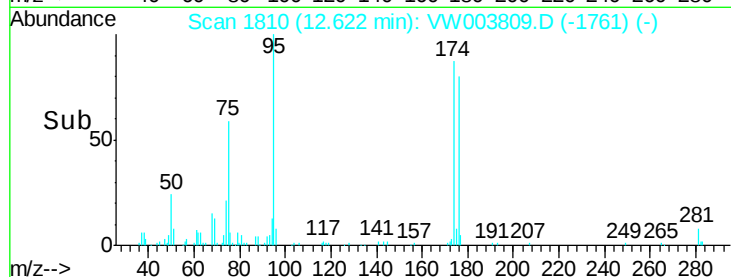
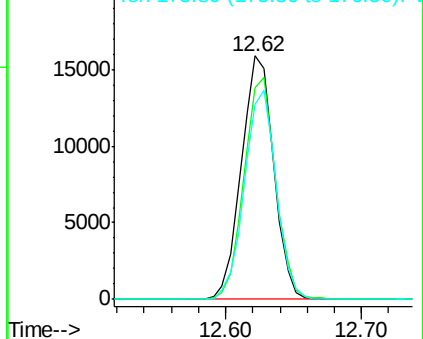
176 84.8 0.0 156.8



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: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

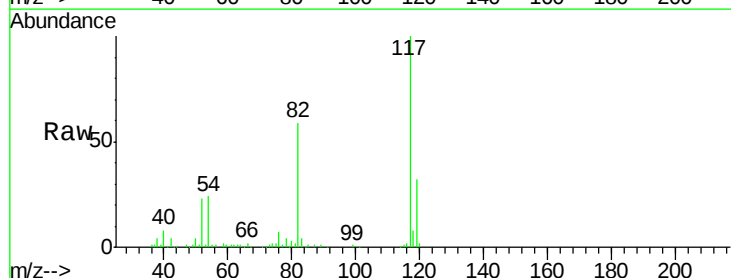
Tgt Ion: 117 Resp: 101983

Ion Ratio Lower Upper

117 100

82 59.0 46.9 70.3

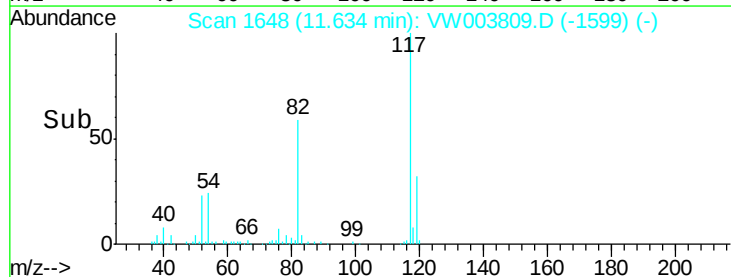
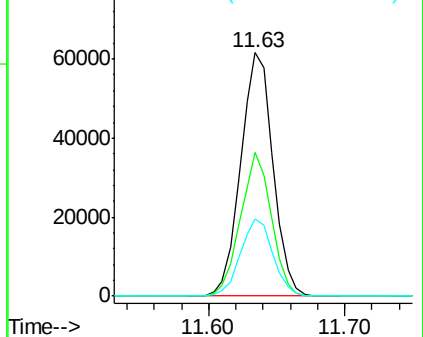
119 31.7 25.5 38.3

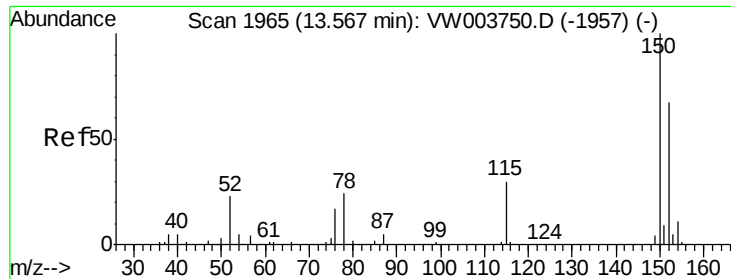


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

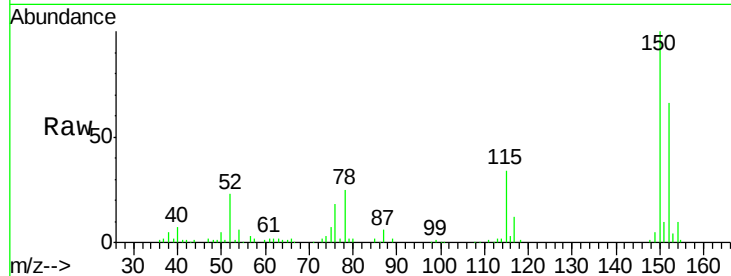
Tot Ion:152 Resp: 21710

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.8

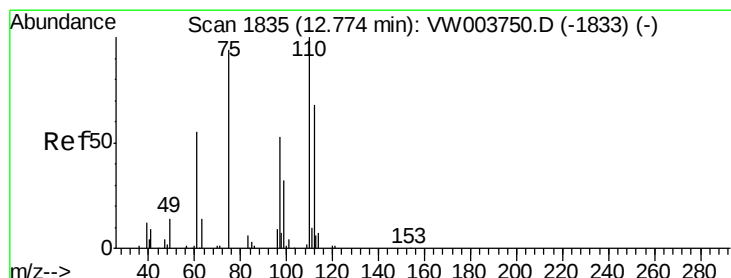
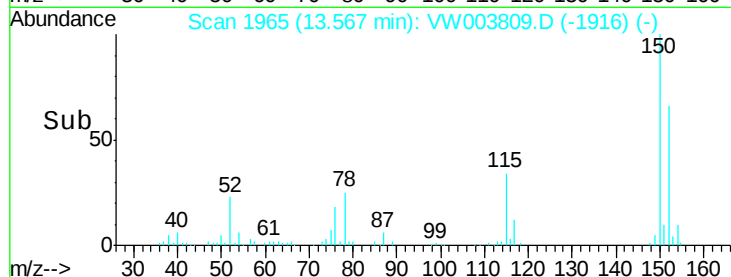
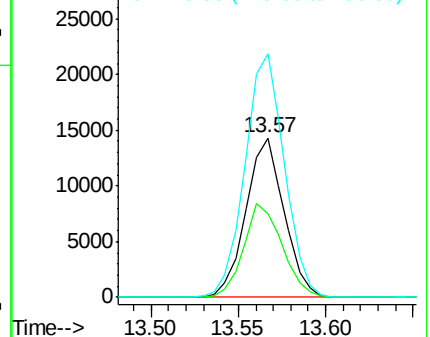
150 157.8 0.0 342.4



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: 69.99 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003809.D

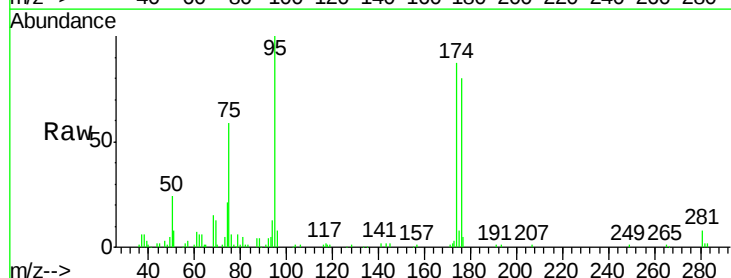
Acq: 10 Jul 2018 06:43

Tgt Ion: 75 Resp: 14922

Ion Ratio Lower Upper

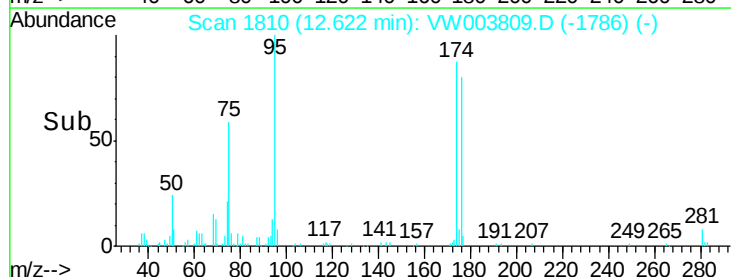
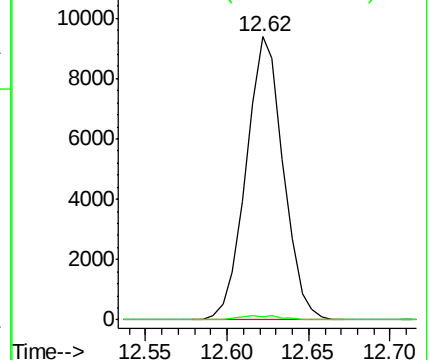
75 100

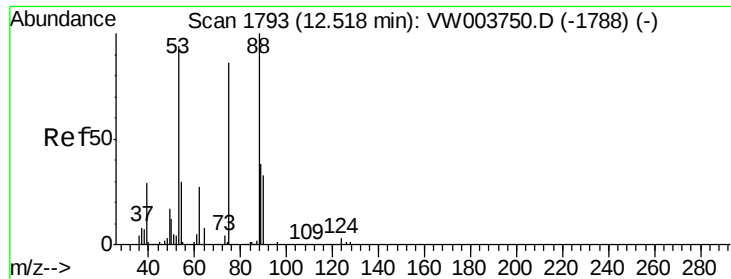
77 1.6 0.0 0.0#



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: 171.22 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003809.D

Acq: 10 Jul 2018 06:43

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-13

Tot Ion: 75 Resp: 14922

Ion Ratio Lower Upper

75 100

53 0.1 85.0 127.6#

89 0.3 36.3 54.5#

