

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003812.D
 Acq On : 10 Jul 2018 08:02
 Operator : SY/AP
 Sample : J3880-12
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-16

Quant Time: Jul 10 08:36:29 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	102043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	127320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	35609	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	68434	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
35) Dibromofluoromethane	7.88	113	59011	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	10.33	98	147151	31.97	ug/l	0.00
Spiked Amount			Recovery	=	63.94%	
62) 4-Bromofluorobenzene	12.62	95	35760	21.47	ug/l	0.00
Spiked Amount			Recovery	=	42.94%	

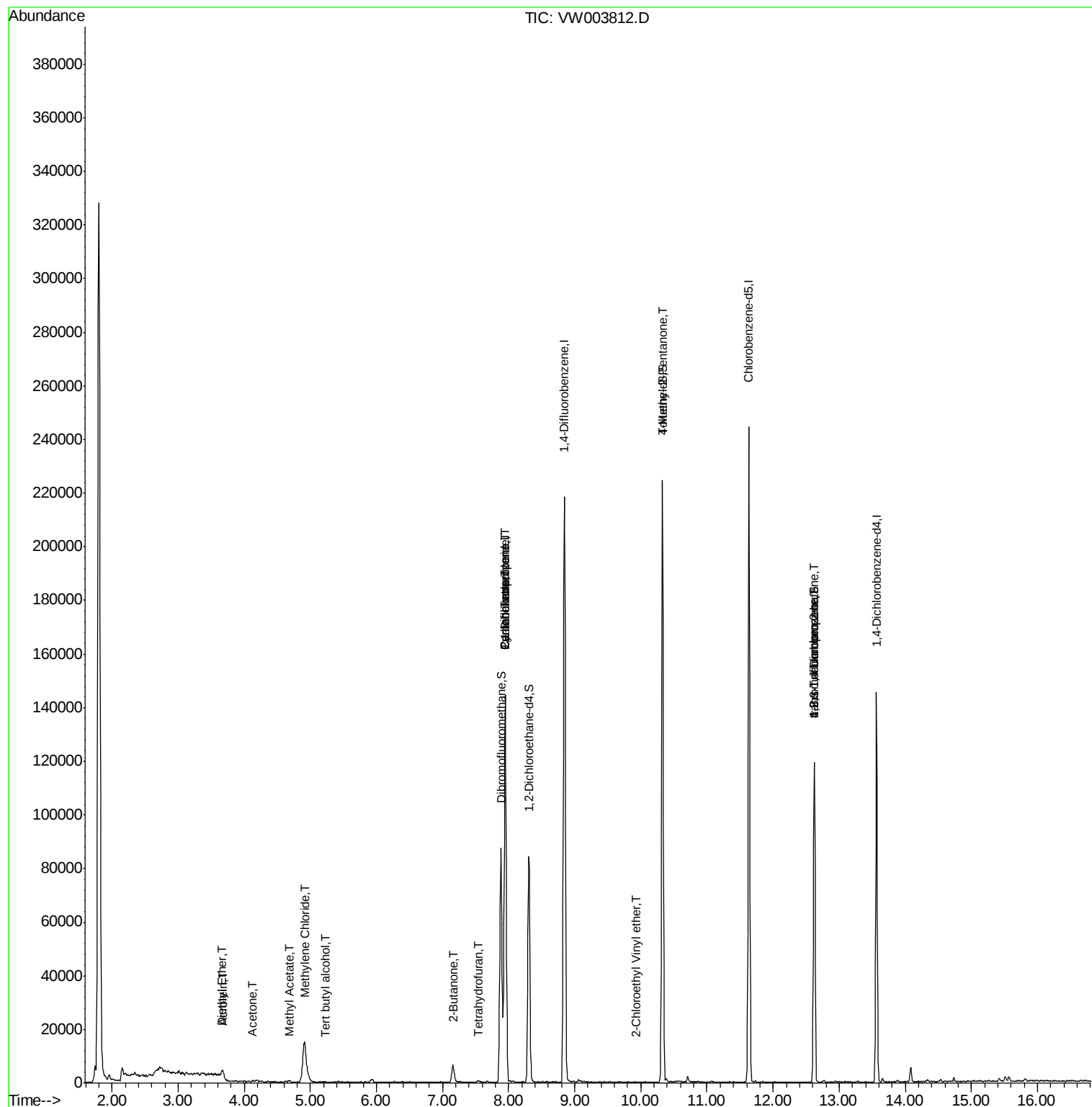
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	675	1.31	ug/l	51
11) Tert butyl alcohol	5.23	59	89	1.23	ug/l #	70
13) Acrolein	3.68	56	101	5.57	ug/l #	37
16) Acetone	4.12	43	749	3.24	ug/l #	39
18) Methyl Acetate	4.68	43	779	1.19	ug/l #	62
20) Methylene Chloride	4.92	84	13726	8.53	ug/l	97
25) 2-Butanone	7.17	43	531	1.46	ug/l #	51
29) Tetrahydrofuran	7.54	42	278	1.19	ug/l #	45
31) Cyclohexane	7.95	56	2748	1.41	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9057	4.96	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10590	6.11	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	1045	1.20	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	19	13.20	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	19976	57.13	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	19976	139.75	ug/l #	8

(#) = 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: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

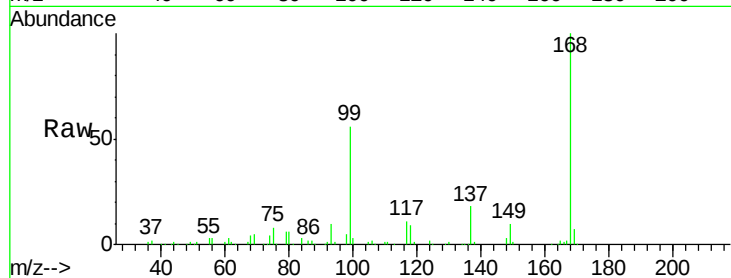
SURCHARGE-SP-16

Tot Ion:168 Resp: 102043

Ion Ratio Lower Upper

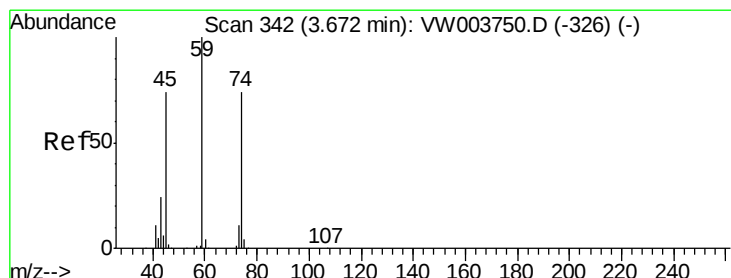
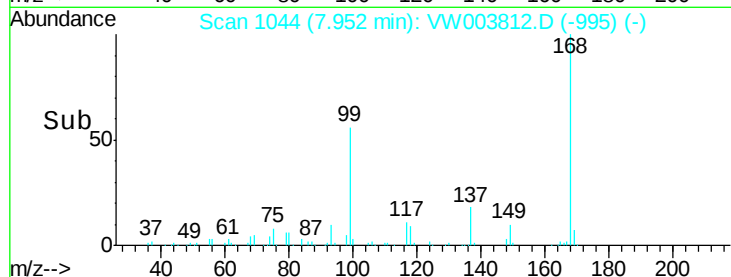
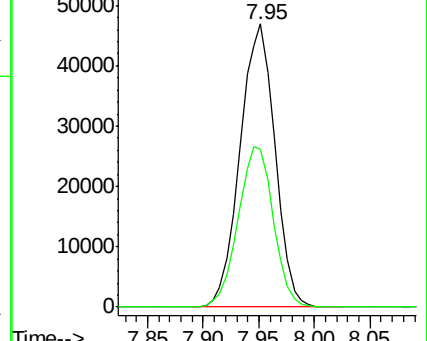
168 100

99 55.8 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: 1.31 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.00 min

Lab File: VW003812.D

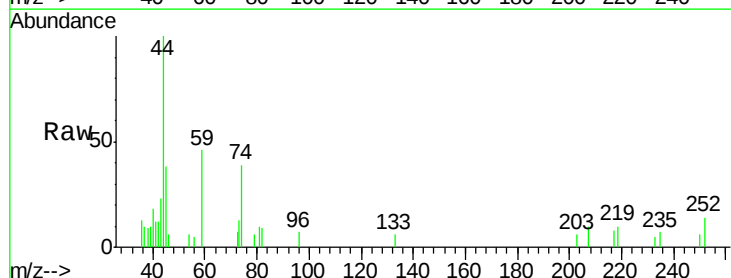
Acq: 10 Jul 2018 08:02

Tgt Ion: 74 Resp: 675

Ion Ratio Lower Upper

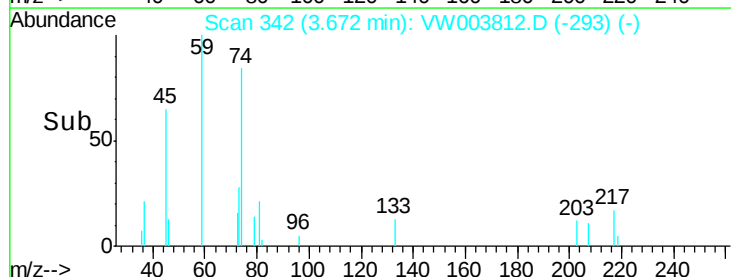
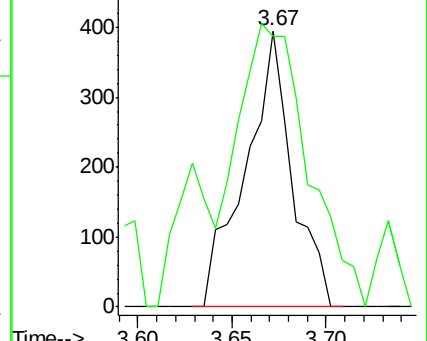
74 100

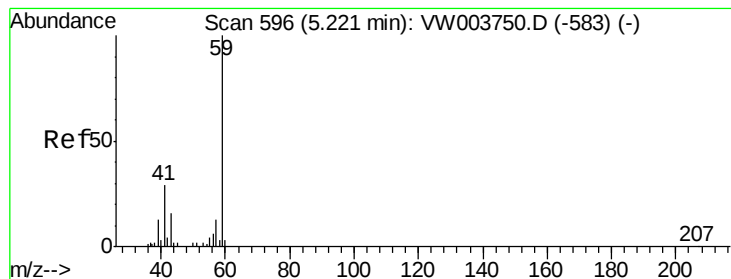
45 155.0 52.4 157.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.23 ug/l

RT: 5.23 min Scan# 598

Delta R.T. 0.01 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

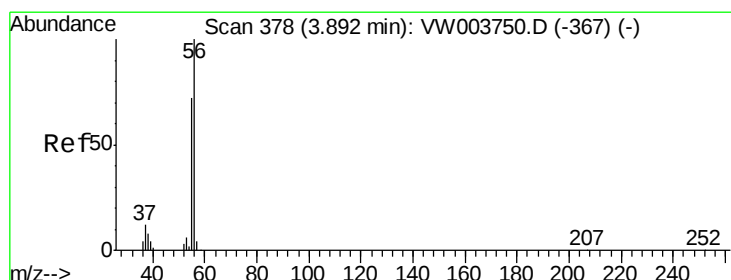
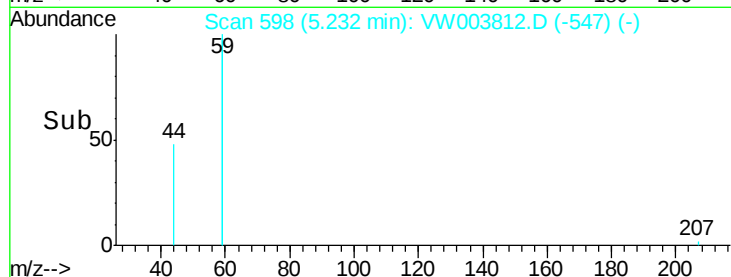
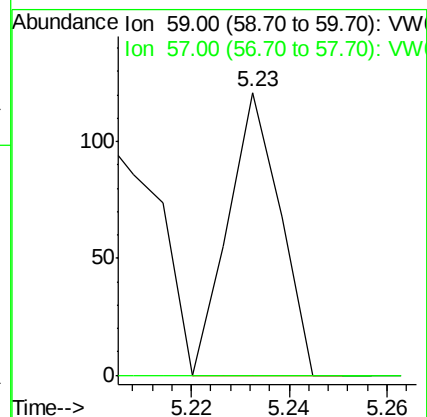
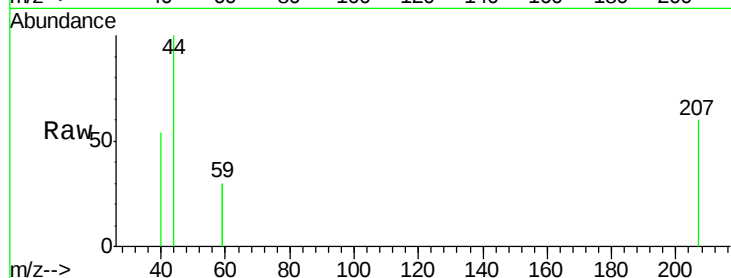
SURCHARGE-SP-16

Tot Ion: 59 Resp: 89

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



#13

Acrolein

Concen: 5.57 ug/l

RT: 3.68 min Scan# 344

Delta R.T. -0.21 min

Lab File: VW003812.D

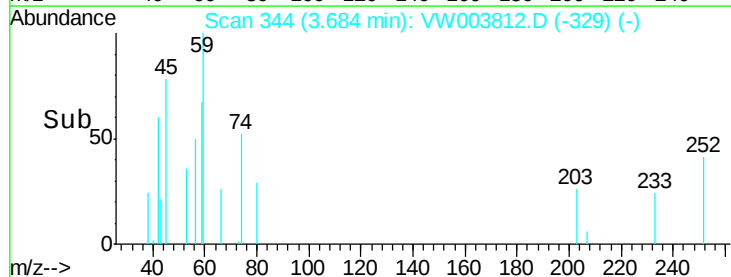
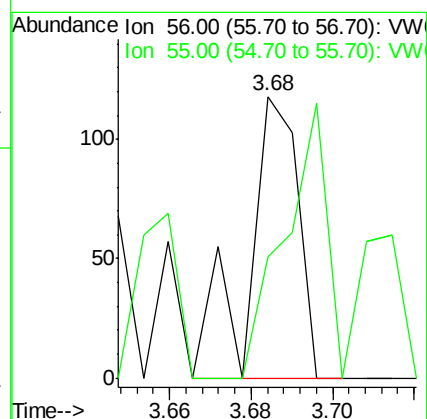
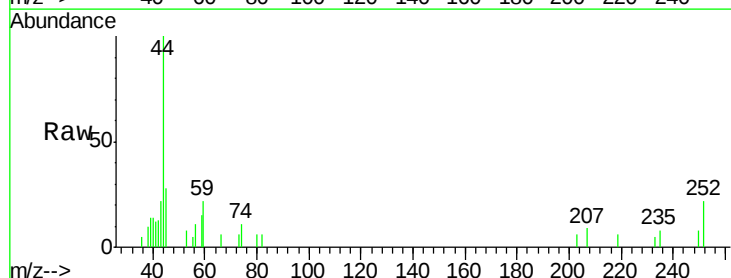
Acq: 10 Jul 2018 08:02

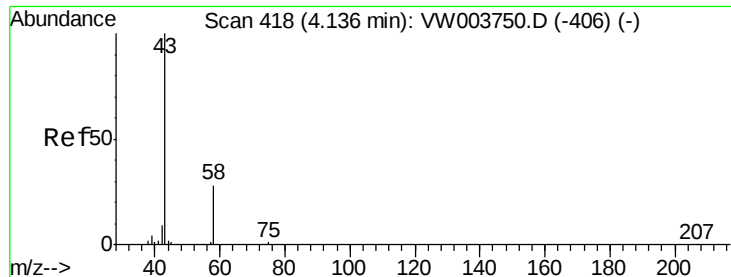
Tgt Ion: 56 Resp: 101

Ion Ratio Lower Upper

56 100

55 124.8 57.5 86.3#





#16

Acetone

Concen: 3.24 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.02 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

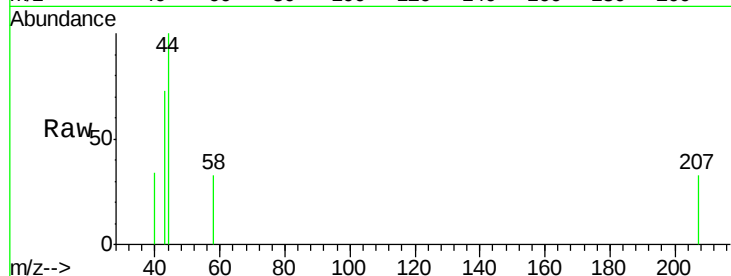
SURCHARGE-SP-16

Tot Ion: 43 Resp: 749

Ion Ratio Lower Upper

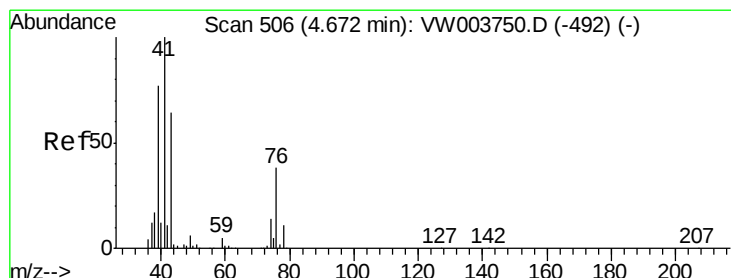
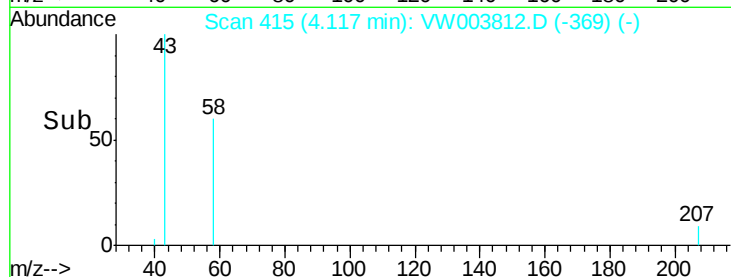
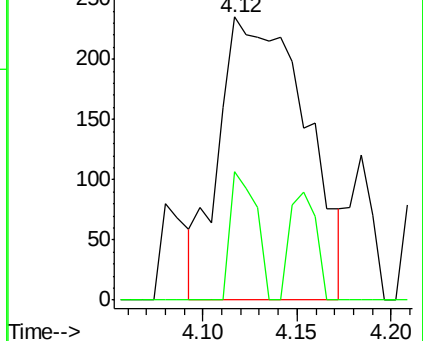
43 100

58 60.8 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: 1.19 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW003812.D

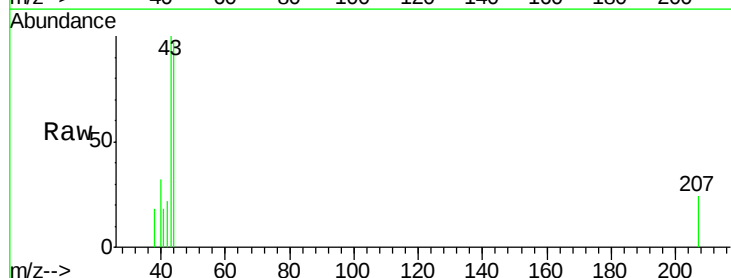
Acq: 10 Jul 2018 08:02

Tgt Ion: 43 Resp: 779

Ion Ratio Lower Upper

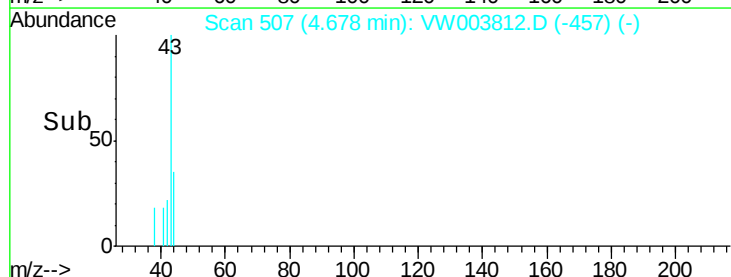
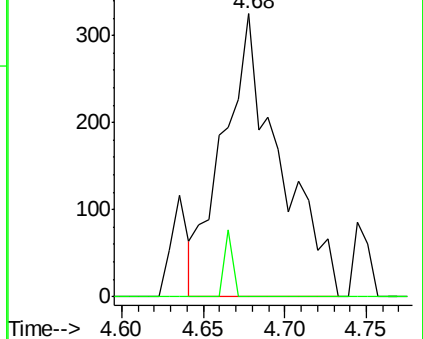
43 100

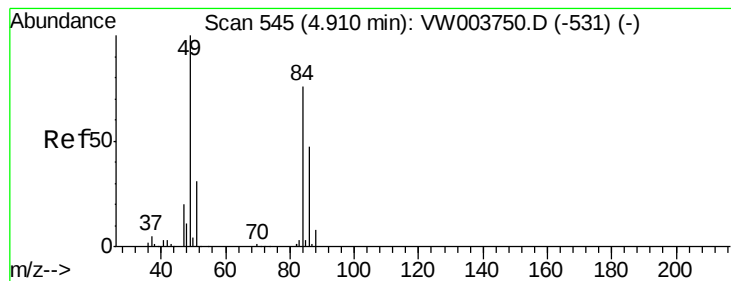
74 3.6 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methvlene Chloride

Concen: 8.53 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-16

Tot Ion: 84 Resp: 13726

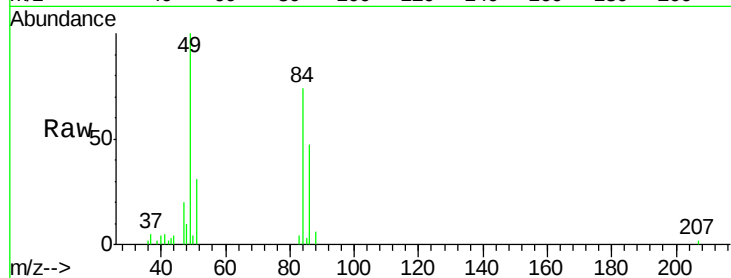
Ion Ratio Lower Upper

84 100

49 135.7 105.1 157.7

51 42.3 32.5 48.7

86 63.6 49.8 74.6

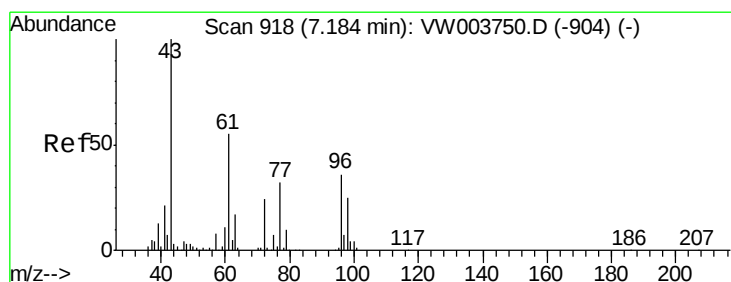
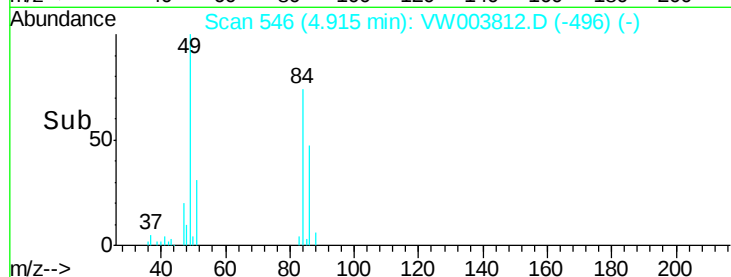
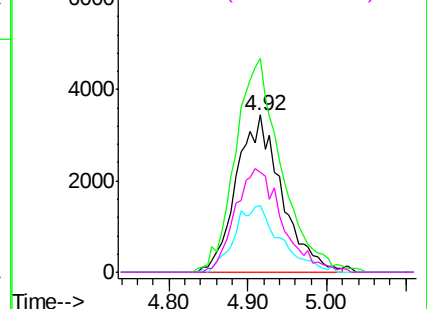


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.46 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003812.D

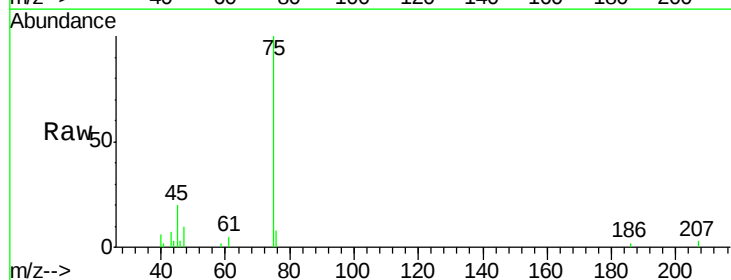
Acq: 10 Jul 2018 08:02

Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

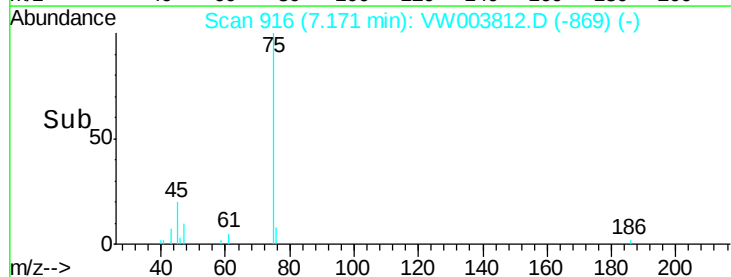
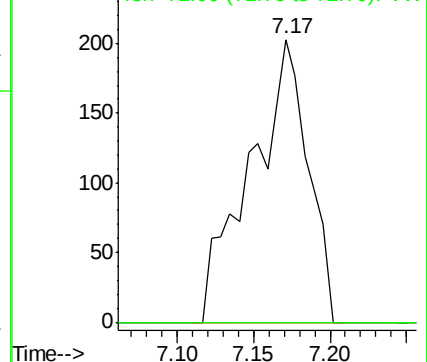
43 100

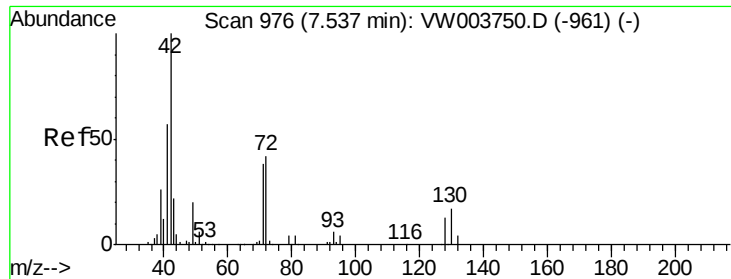
72 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

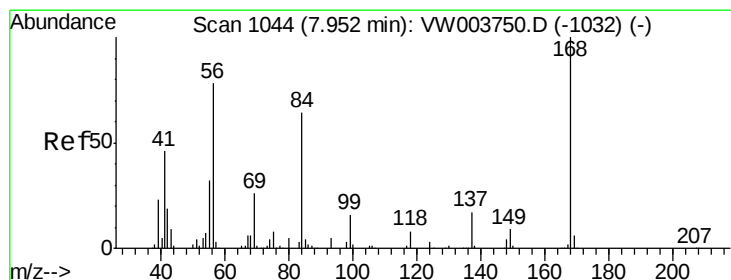
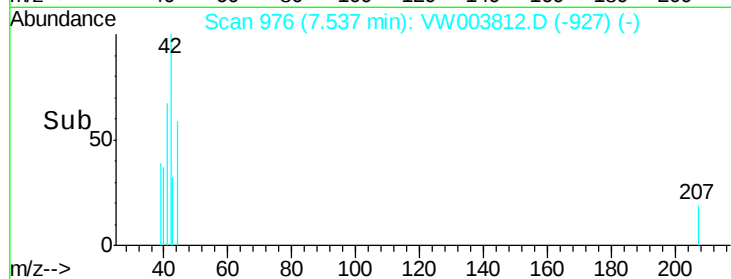
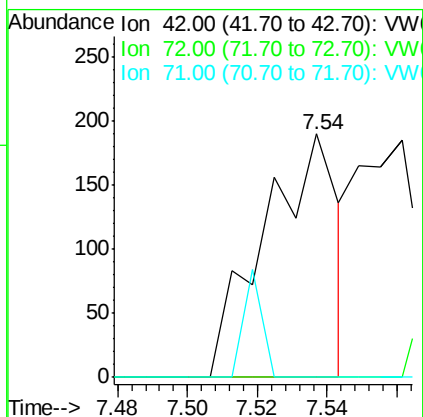
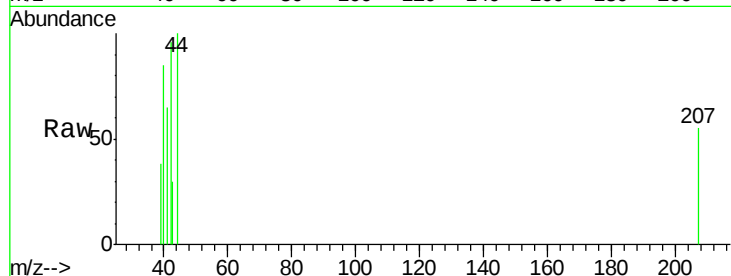




#29
Tetrahydrofuran
Concen: 1.19 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

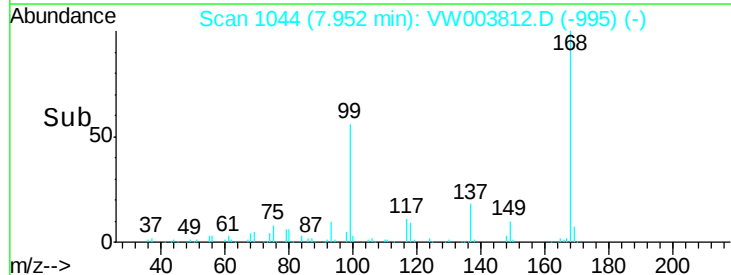
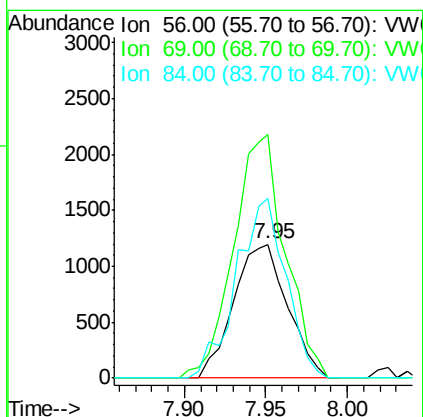
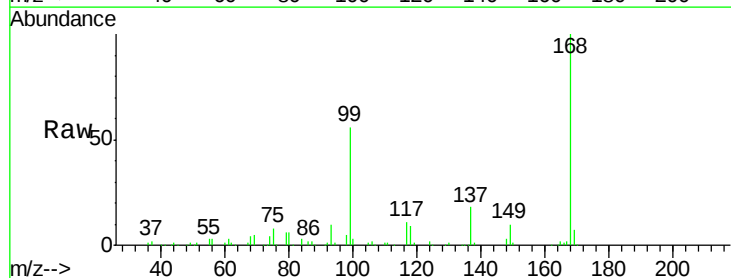
Instrument :
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SURCHARGE-SP-16

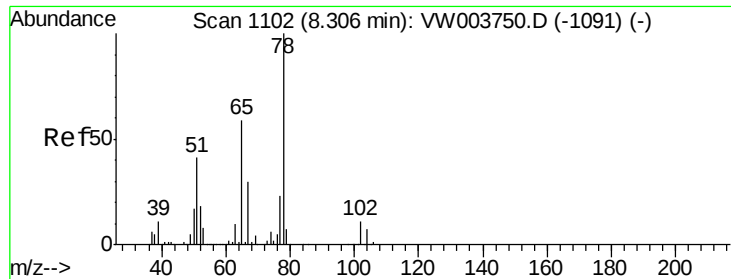
Tot Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8#
71 11.2 30.3 45.5#



#31
Cyclohexane
Concen: 1.41 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

Tgt Ion: 56 Resp: 2748
Ion Ratio Lower Upper
56 100
69 182.0 26.2 39.4#
84 133.9 65.5 98.3#





#33

1,2-Dichloroethane-d4

Concen: 51.28 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

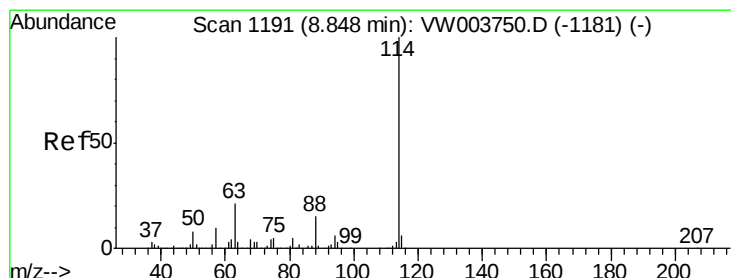
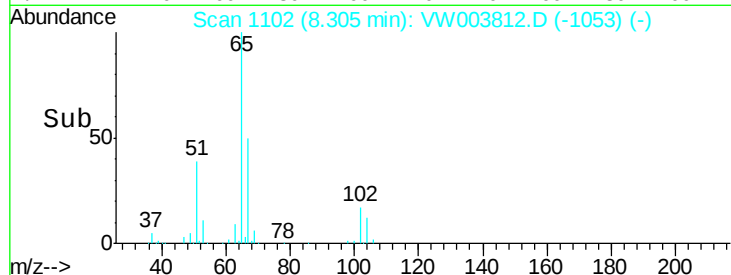
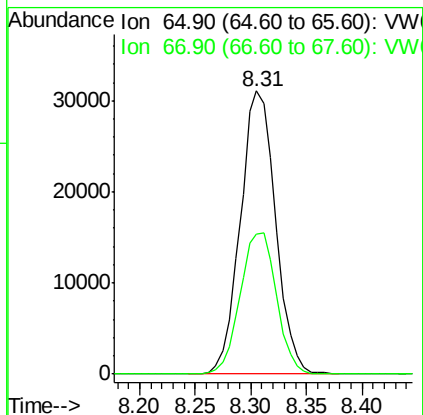
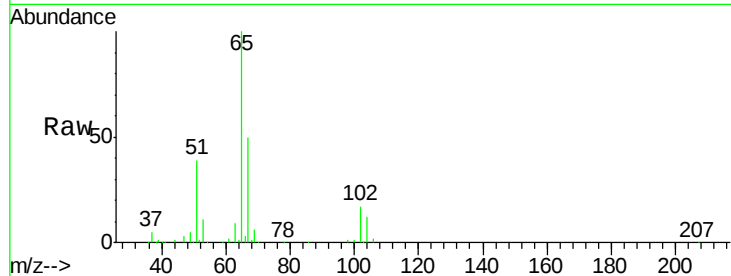
SURCHARGE-SP-16

Tot Ion: 65 Resp: 68434

Ion Ratio Lower Upper

65 100

67 51.3 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: VW003812.D

Acq: 10 Jul 2018 08:02

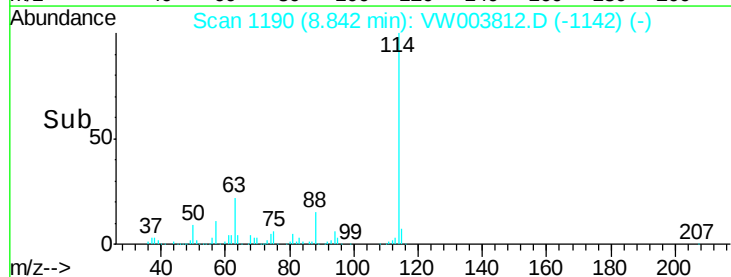
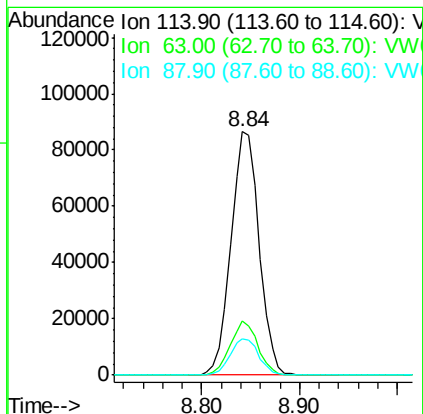
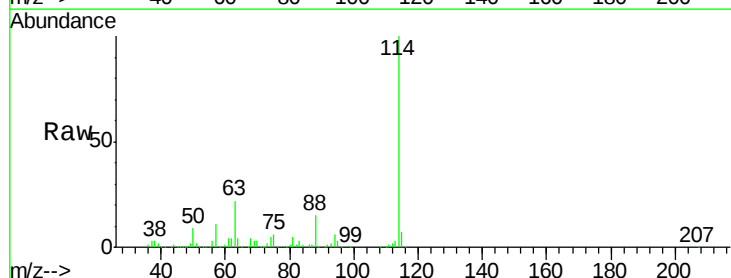
Tgt Ion: 114 Resp: 171923

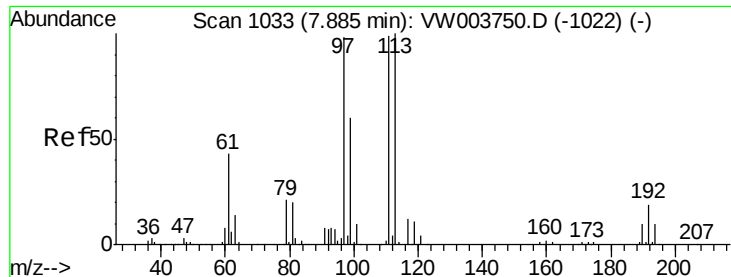
Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 14.8 0.0 30.2

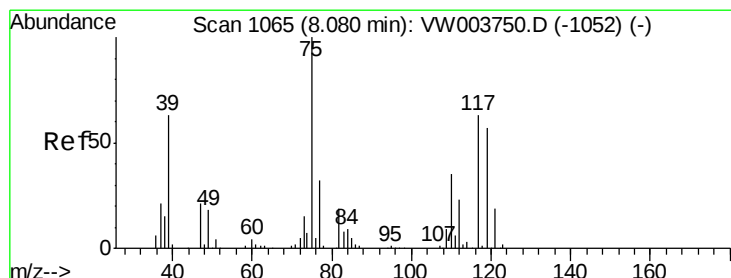
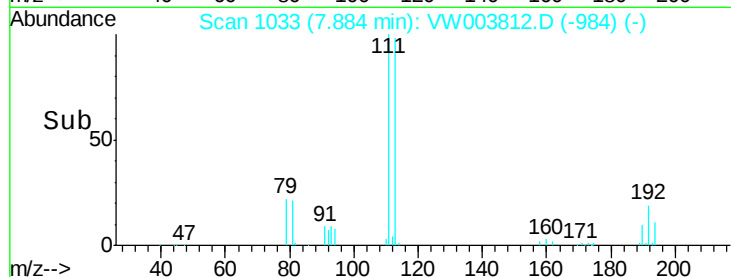
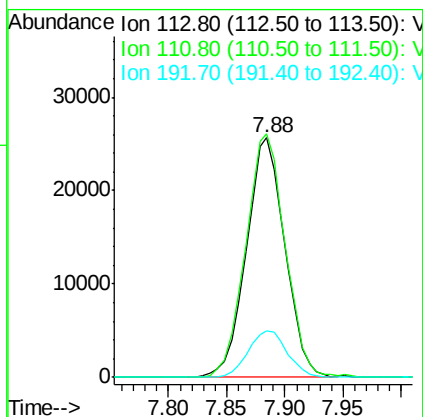
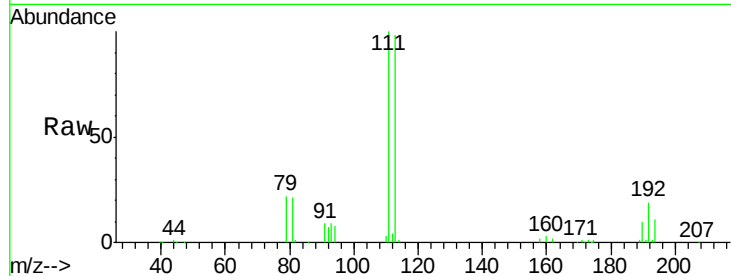




#35
 Dibromofluoromethane
 Concen: 49.04 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003812.D
 Acq: 10 Jul 2018 08:02

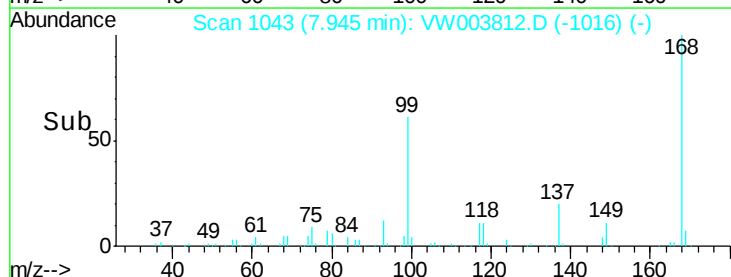
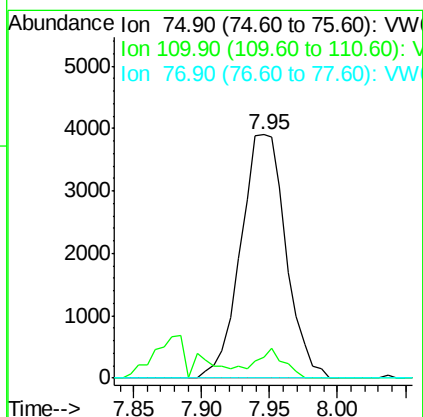
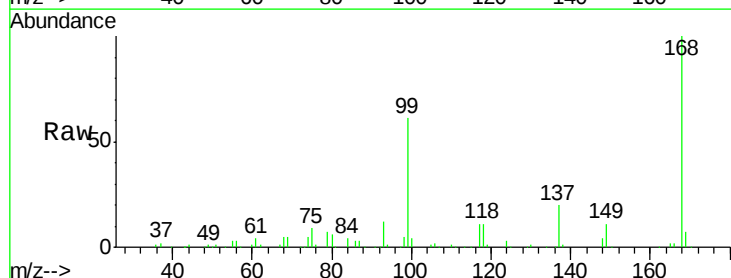
Instrument :
 MSVOA_W
 ClientSampleId :
 SURCHARGE-SP-16

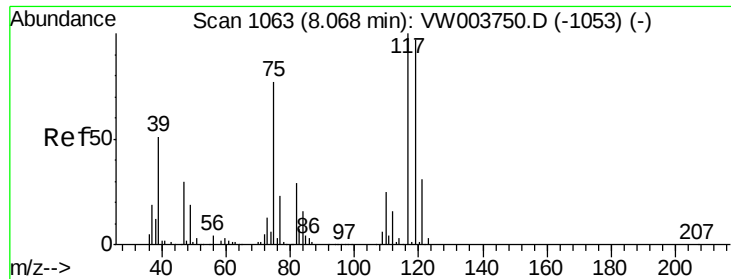
Tot Ion:113 Resp: 59011
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.7 122.5
 192 19.6 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.96 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003812.D
 Acq: 10 Jul 2018 08:02

Tgt Ion: 75 Resp: 9057
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.11 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-16

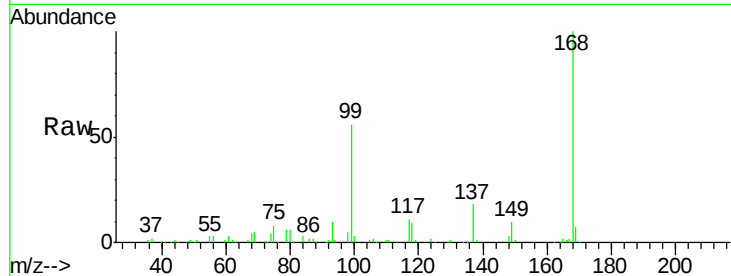
Tot Ion:117 Resp: 10590

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.2#

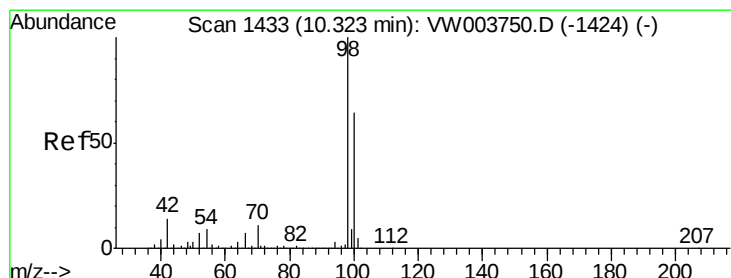
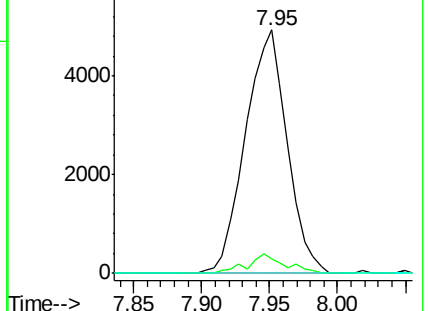
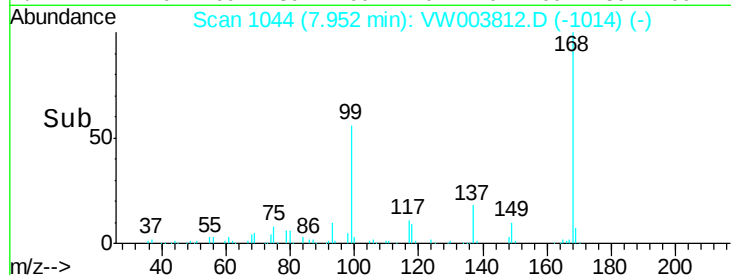
121 0.0 24.6 37.0#



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: 31.97 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003812.D

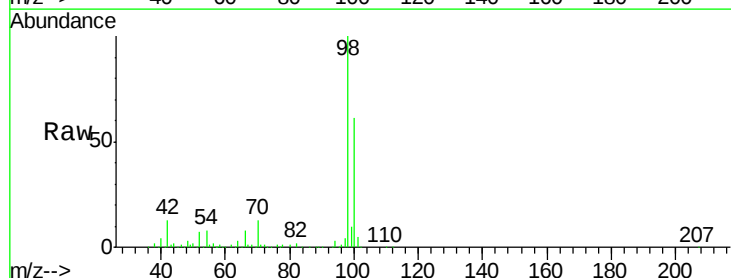
Acq: 10 Jul 2018 08:02

Tgt Ion: 98 Resp: 147151

Ion Ratio Lower Upper

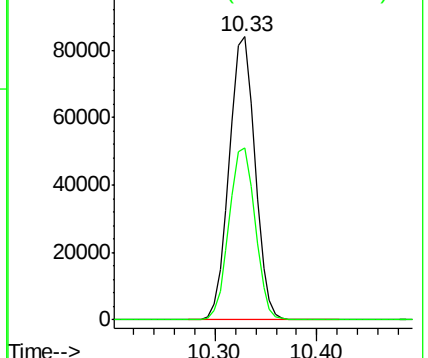
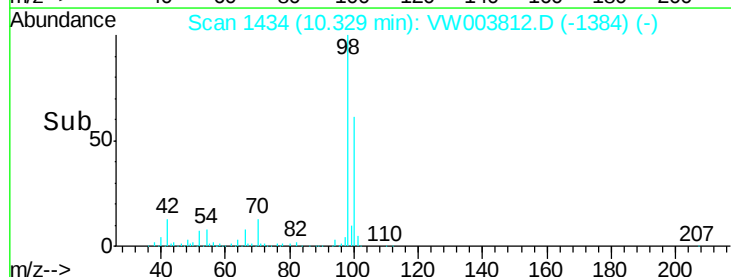
98 100

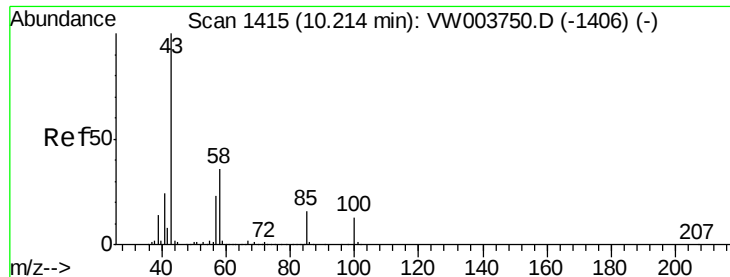
100 61.6 50.8 76.2



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: 1.20 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

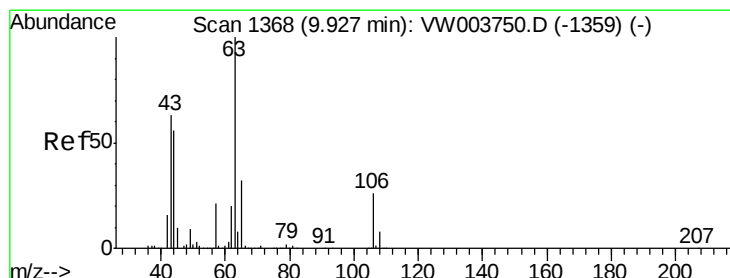
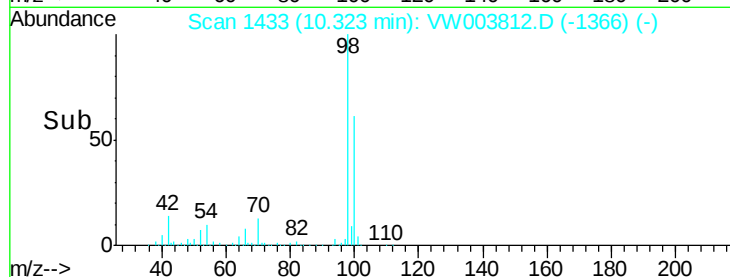
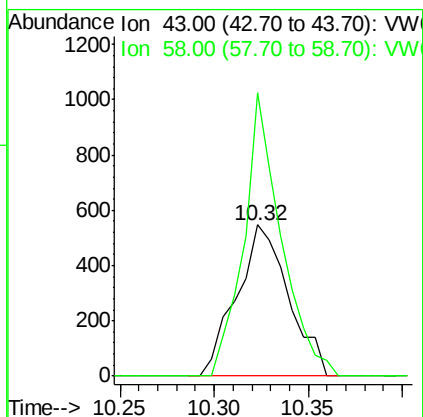
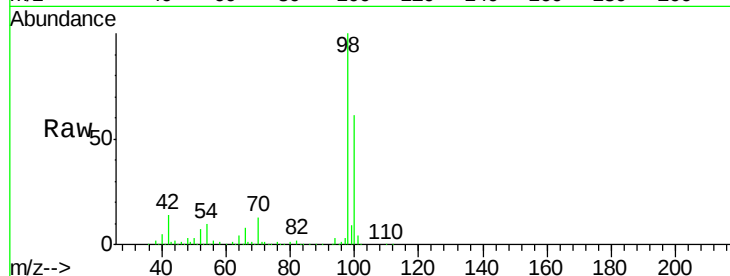
SURCHARGE-SP-16

Tot Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

58 134.8 29.3 43.9#



#58

2-Chloroethyl Vinyl ether

Concen: 13.20 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VW003812.D

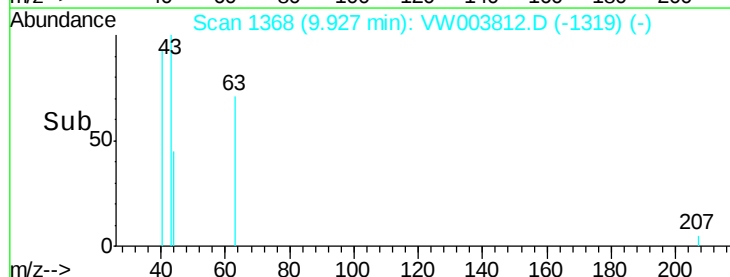
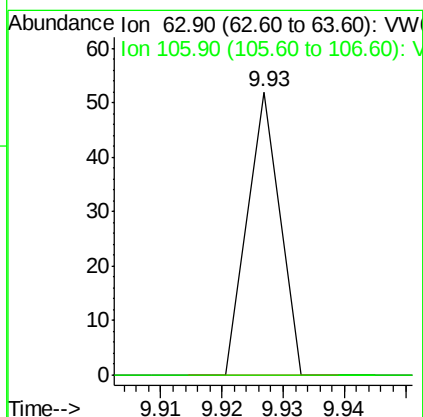
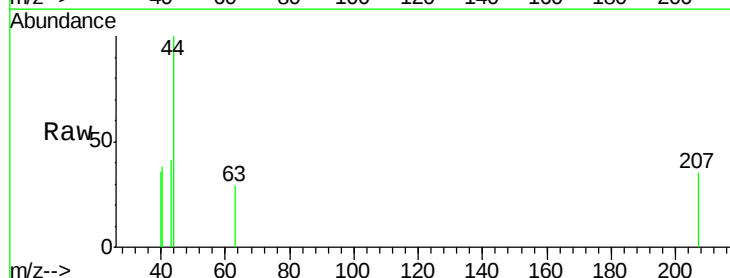
Acq: 10 Jul 2018 08:02

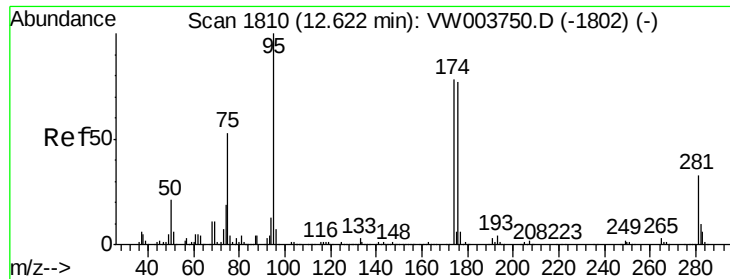
Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#

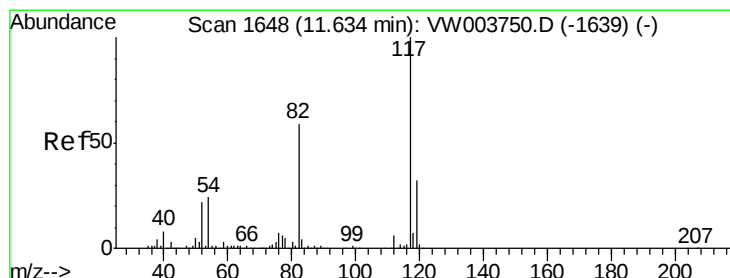
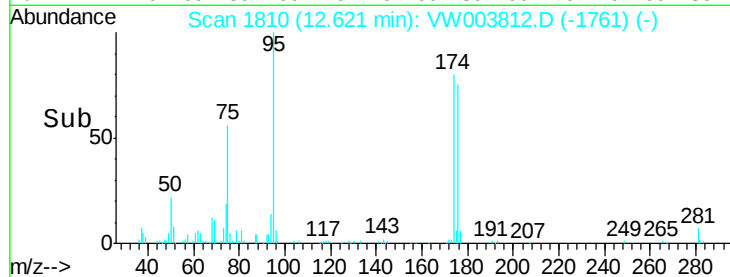
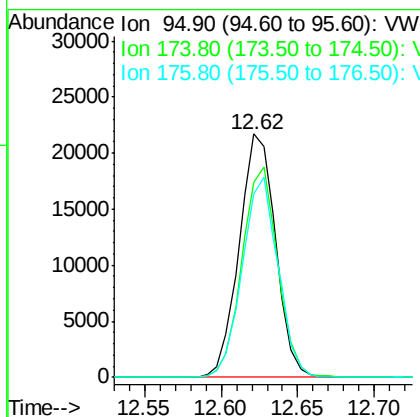
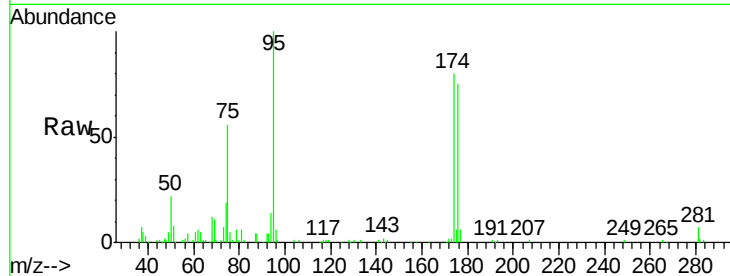




#62
4-Bromofluorobenzene
Concen: 21.47 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

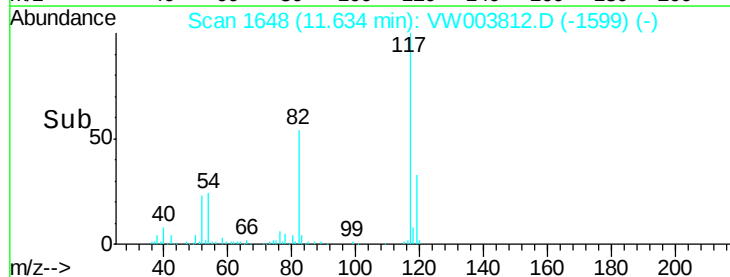
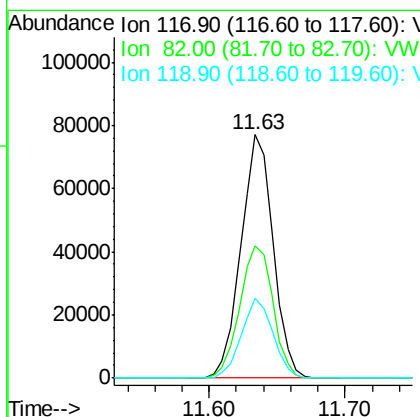
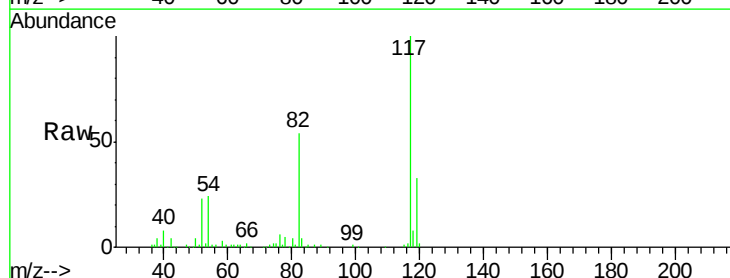
Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-16

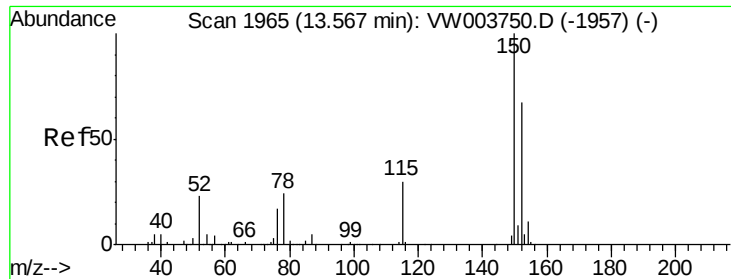
Tot Ion: 95 Resp: 35760
Ion Ratio Lower Upper
95 100
174 85.2 0.0 163.4
176 81.1 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

Tgt Ion: 117 Resp: 127320
Ion Ratio Lower Upper
117 100
82 54.3 46.9 70.3
119 32.9 25.5 38.3



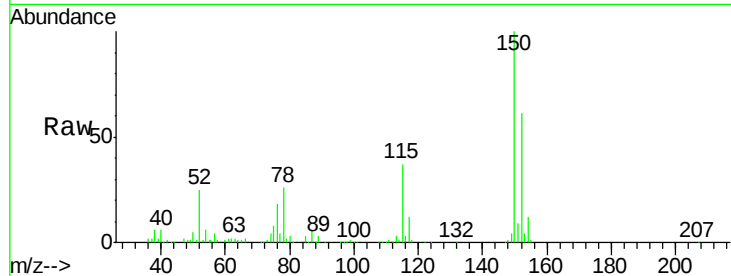


#72

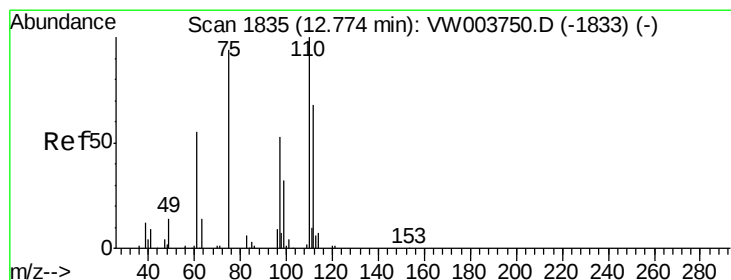
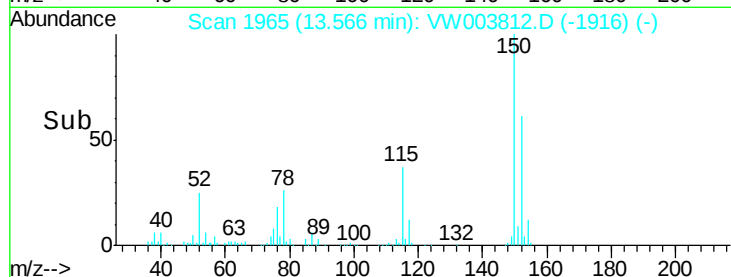
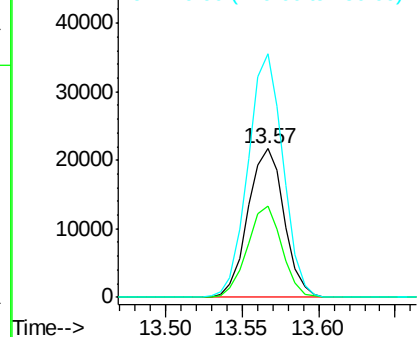
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

Instrument :
MSVOA_W
ClientSampleId :
SURCHARGE-SP-16

Tot Ion:152 Resp: 35609
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.8
150 158.7 0.0 342.4



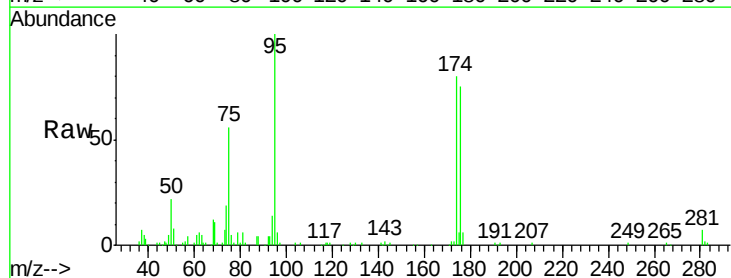
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



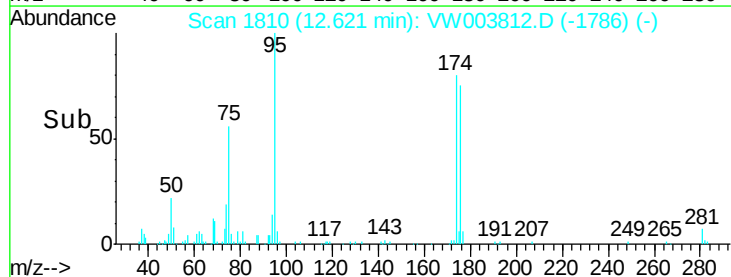
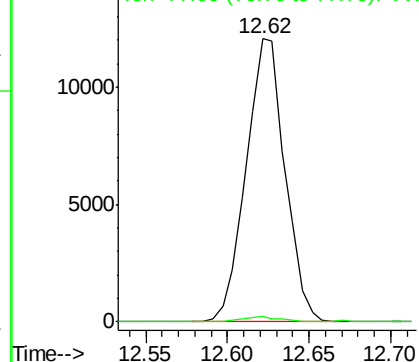
#76

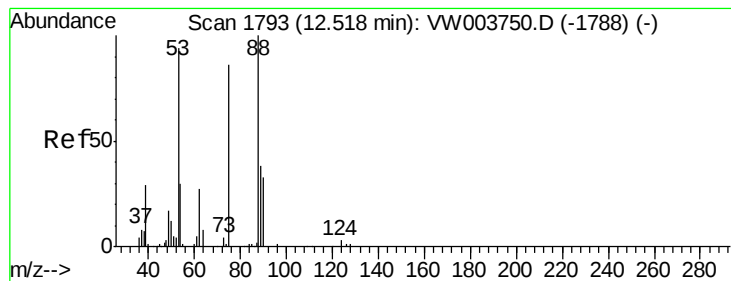
1,2,3-Trichloropropane
Concen: 57.13 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003812.D
Acq: 10 Jul 2018 08:02

Tgt Ion: 75 Resp: 19976
Ion Ratio Lower Upper
75 100
77 1.8 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: 139.75 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003812.D

Acq: 10 Jul 2018 08:02

Instrument :

MSVOA_W

ClientSampleId :

SURCHARGE-SP-16

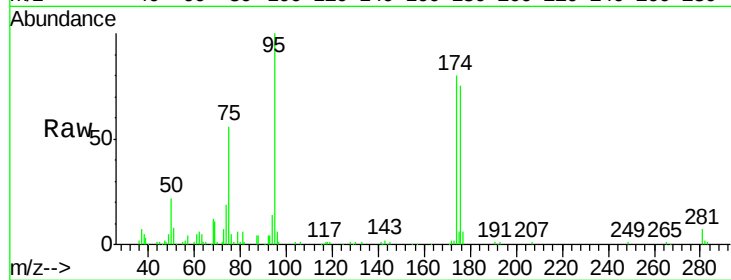
Tot Ion: 75 Resp: 19976

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

