

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003275.D
 Acq On : 15 Jun 2018 00:50
 Operator : VA/AP
 Sample : J3444-03
 Misc : 6.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-46(0-5)

Quant Time: Jun 15 06:49:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	172517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	278493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	250081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	120976	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	82054	43.91	ug/l	0.00
Spiked Amount			Recovery	=	87.82%	
35) Dibromofluoromethane	7.89	113	73233	42.32	ug/l	0.00
Spiked Amount			Recovery	=	84.64%	
50) Toluene-d8	10.33	98	234939	34.24	ug/l	0.00
Spiked Amount			Recovery	=	68.48%	
62) 4-Bromofluorobenzene	12.63	95	82085	33.80	ug/l	0.00
Spiked Amount			Recovery	=	67.60%	

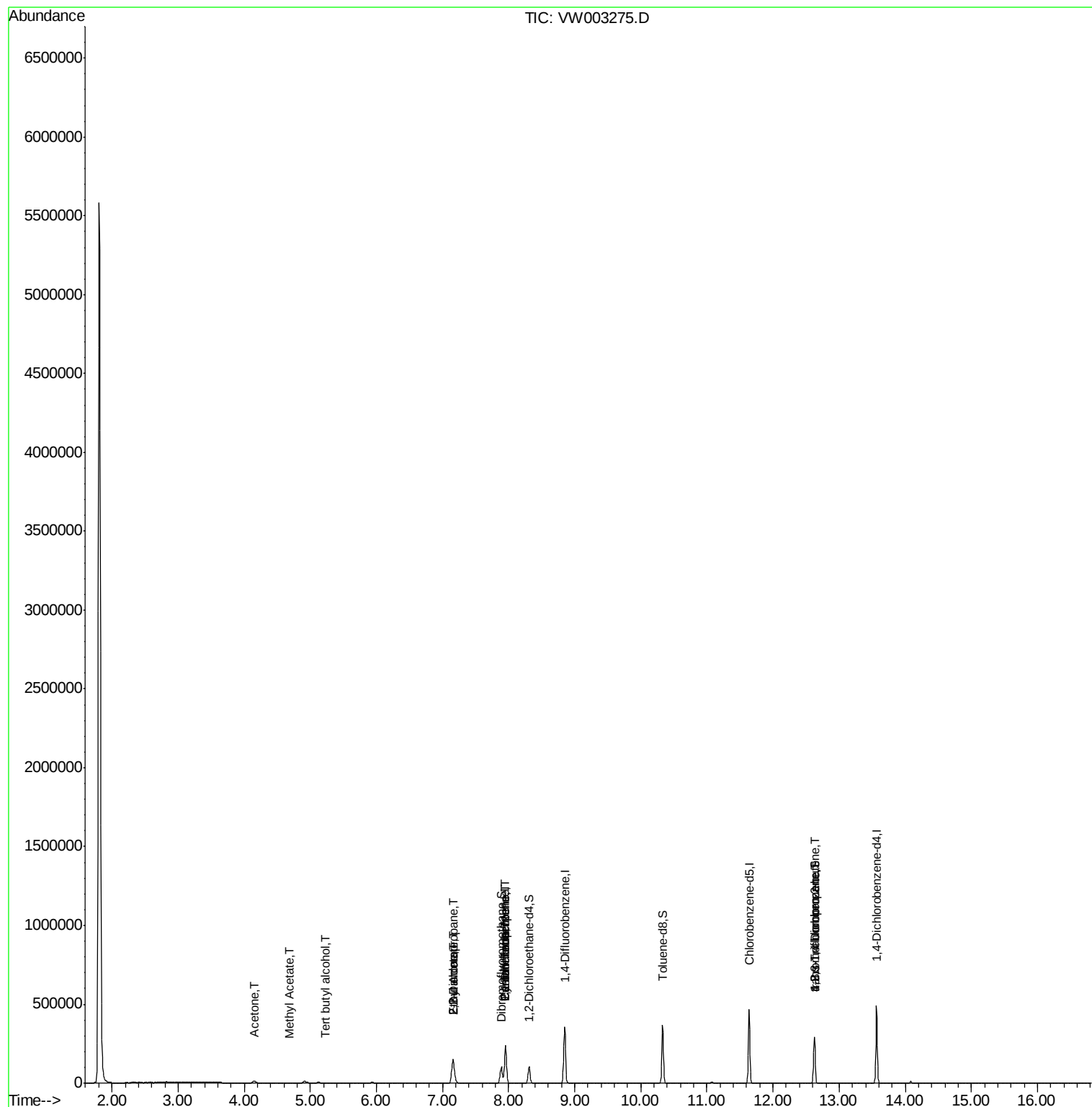
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	474	4.730	ug/l #	27
16) Acetone	4.15	43	24973	63.722	ug/l	98
18) Methyl Acetate	4.68	43	1893	2.036	ug/l #	72
25) 2-Butanone	7.16	43	9939	20.395	ug/l #	74
26) 2,2-Dichloropropane	7.16	77	10361	4.803	ug/l #	53
31) Cyclohexane	7.95	56	4269	1.414	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	14458	5.376	ug/l #	51
37) Ethyl Acetate	7.16	43	9939	8.920	ug/l #	1
38) Carbon Tetrachloride	7.95	117	17251	6.539	ug/l #	15
76) 1,2,3-Trichloropropane	12.63	75	46132	44.606	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	46132	102.641	ug/l #	9

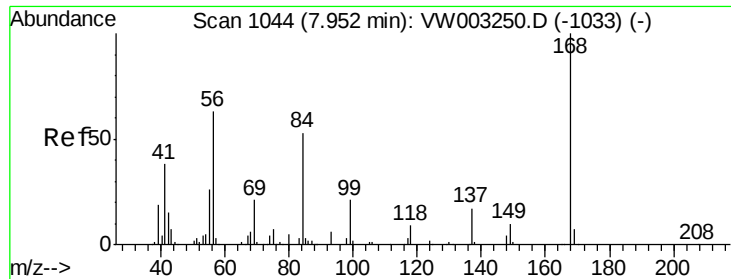
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

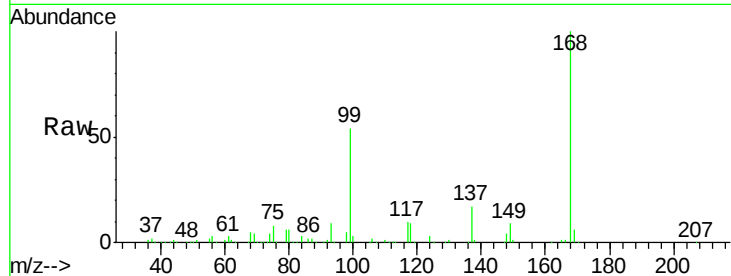
SB-46(0-5)

Tgt Ion:168 Resp: 172517

Ion Ratio Lower Upper

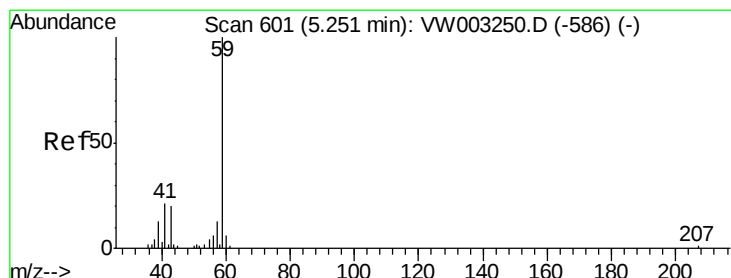
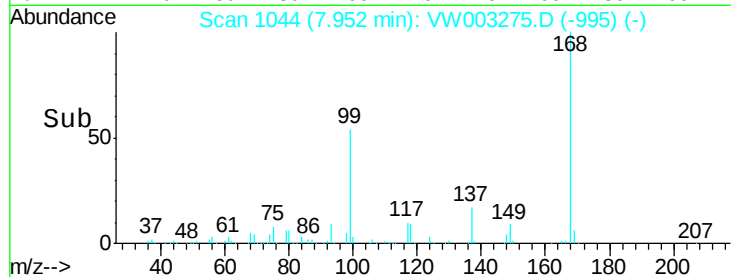
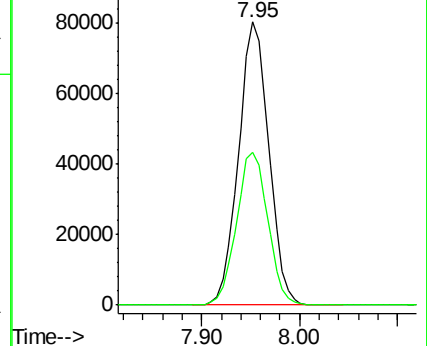
168 100

99 54.0 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.730 ug/l

RT: 5.22 min Scan# 596

Delta R.T. -0.03 min

Lab File: VW003275.D

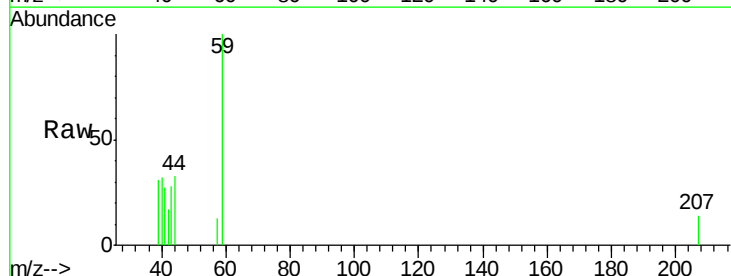
Acq: 15 Jun 2018 00:50

Tgt Ion: 59 Resp: 474

Ion Ratio Lower Upper

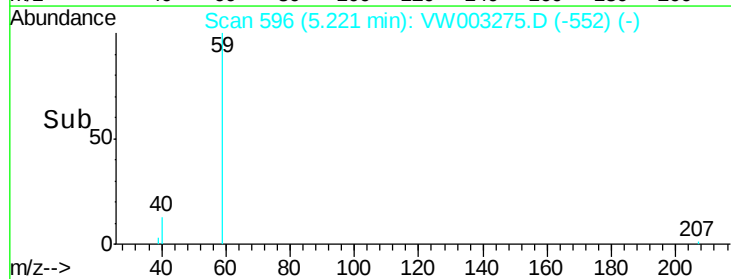
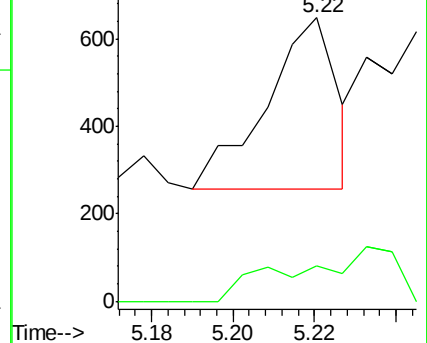
59 100

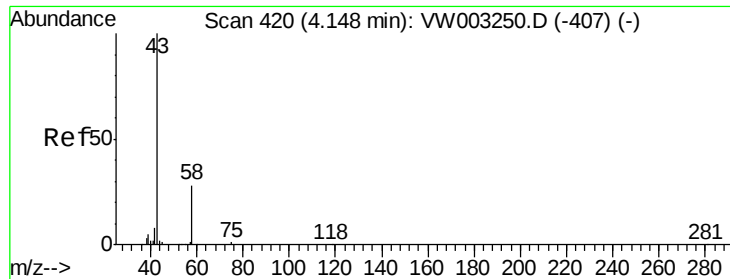
57 29.5 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 63.722 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

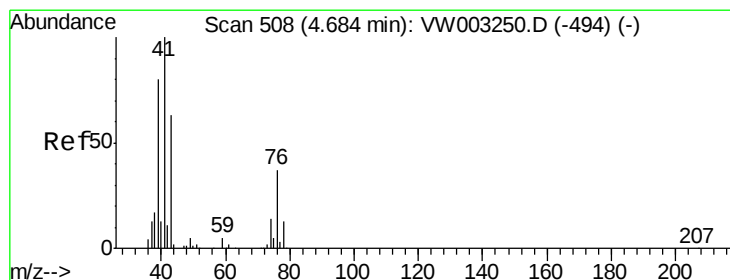
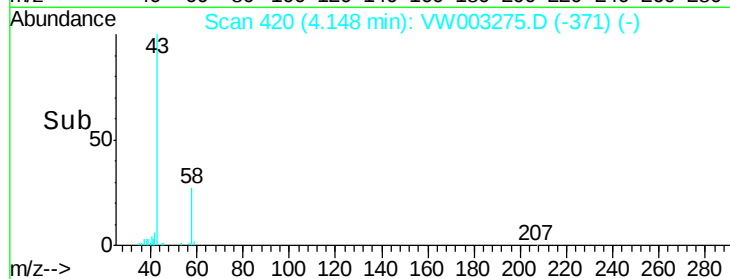
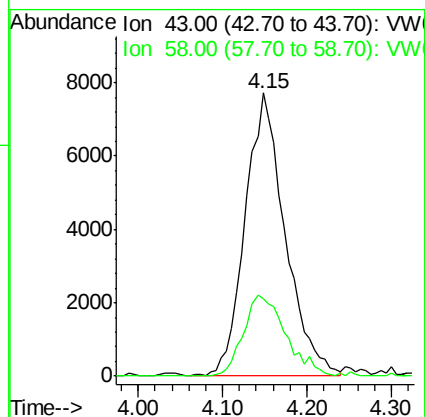
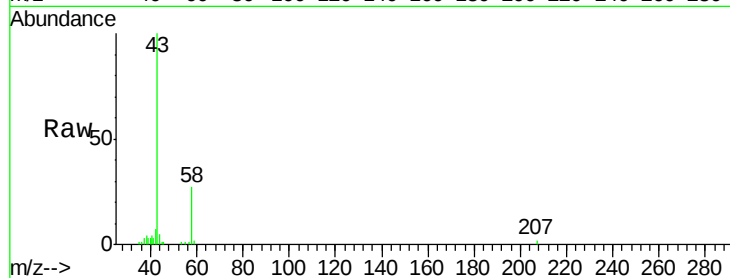
SB-46(0-5)

Tgt Ion: 43 Resp: 24973

Ion Ratio Lower Upper

43 100

58 27.1 22.6 34.0



#18

Methyl Acetate

Concen: 2.036 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003275.D

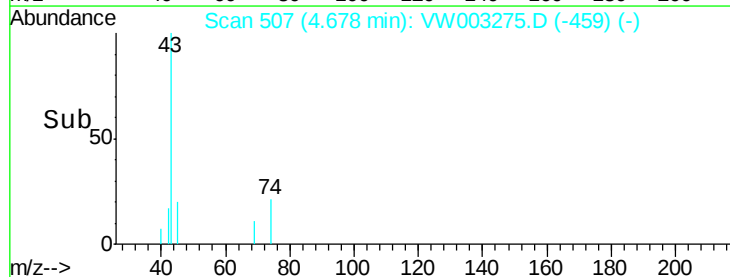
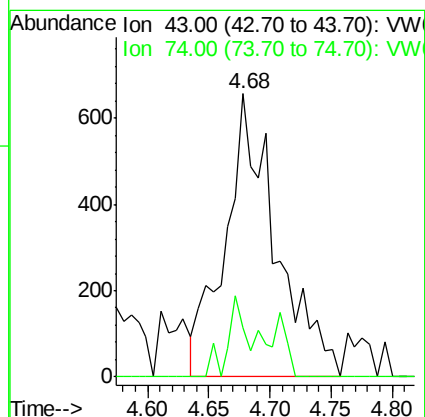
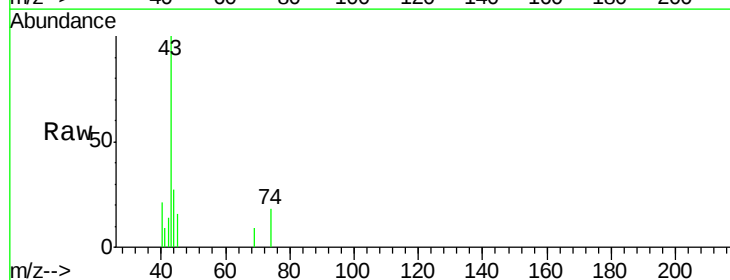
Acq: 15 Jun 2018 00:50

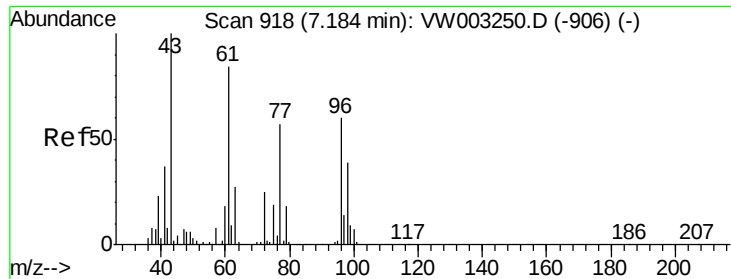
Tgt Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

74 9.8 18.7 28.1#





#25

2-Butanone

Concen: 20.395 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

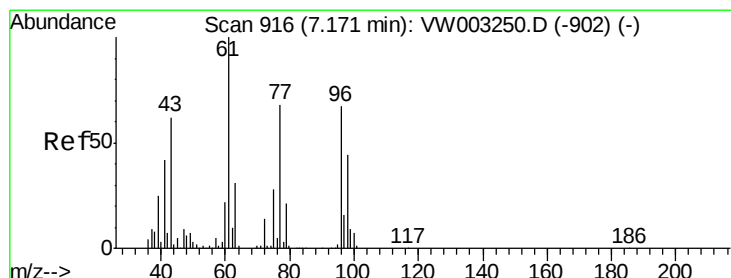
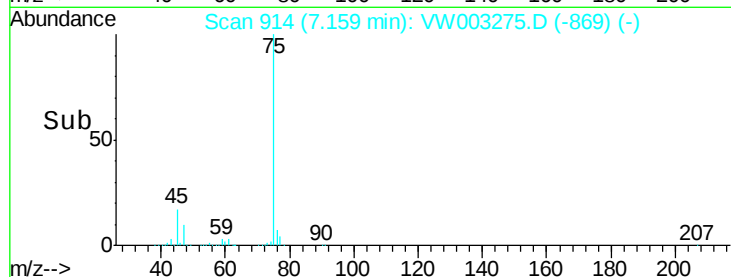
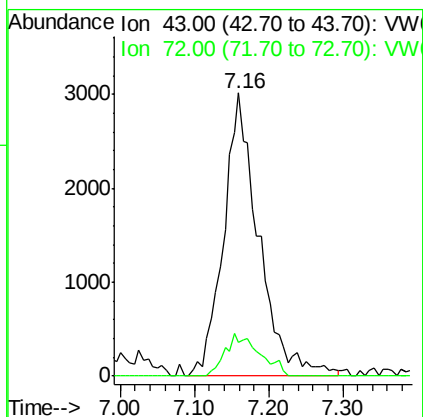
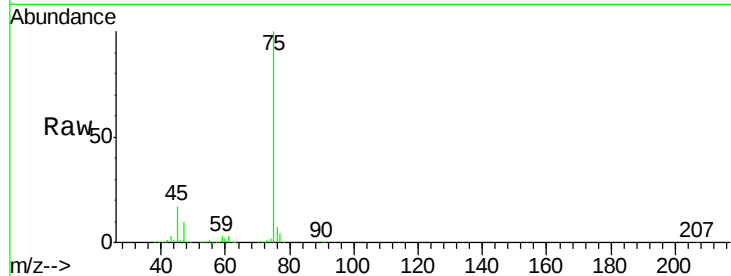
SB-46(0-5)

Tgt Ion: 43 Resp: 9939

Ion Ratio Lower Upper

43 100

72 12.1 20.3 30.5#



#26

2,2-Dichloropropane

Concen: 4.803 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003275.D

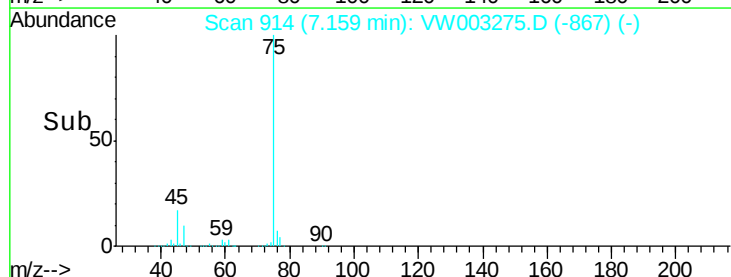
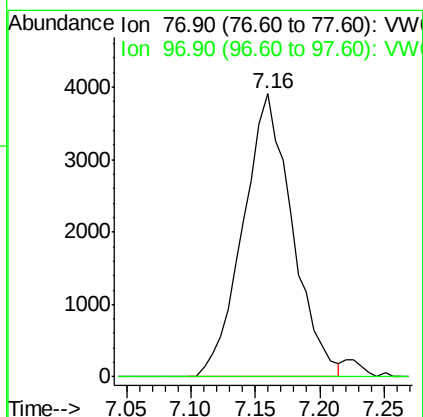
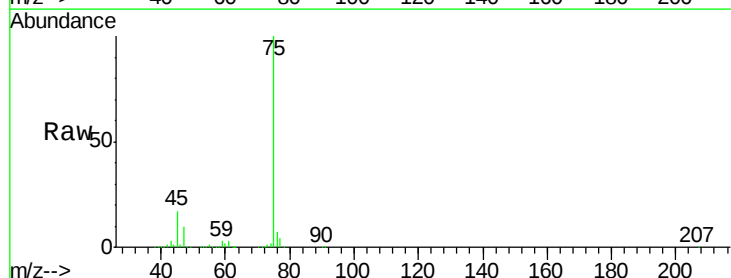
Acq: 15 Jun 2018 00:50

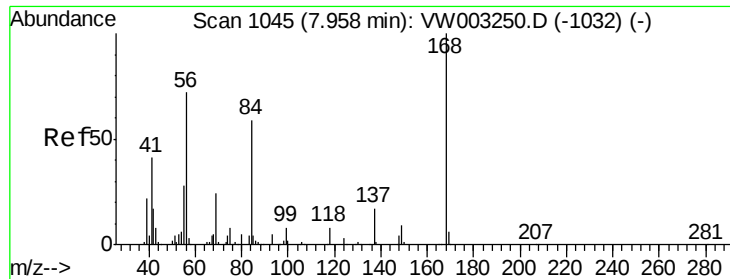
Tgt Ion: 77 Resp: 10361

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#





#31

Cyclohexane

Concen: 1.414 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

SB-46(0-5)

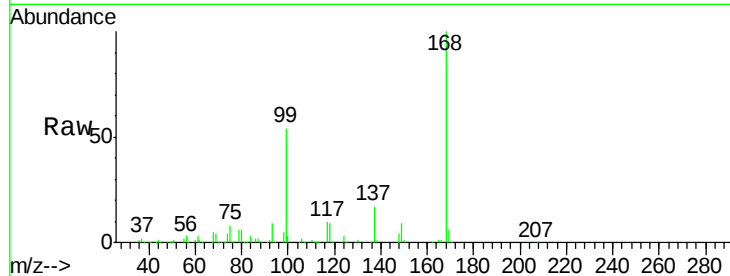
Tgt Ion: 56 Resp: 4269

Ion Ratio Lower Upper

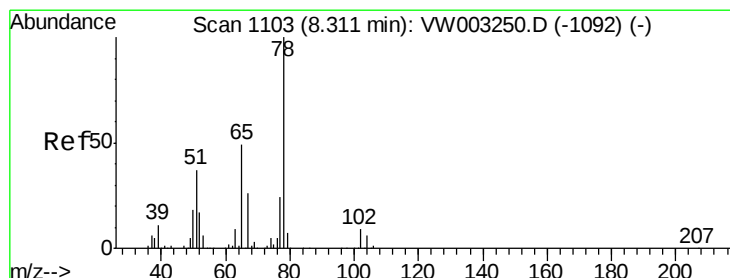
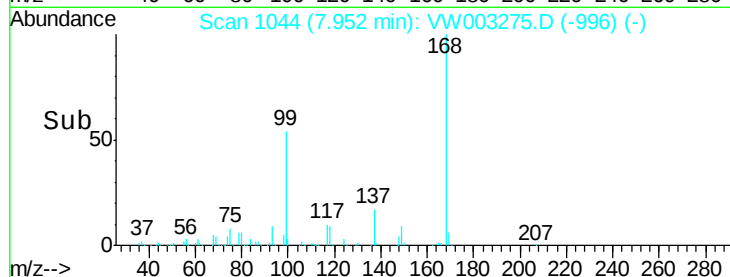
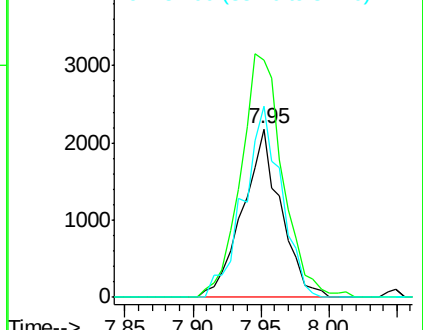
56 100

69 140.9 26.3 39.5#

84 113.4 65.7 98.5#



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: 43.911 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003275.D

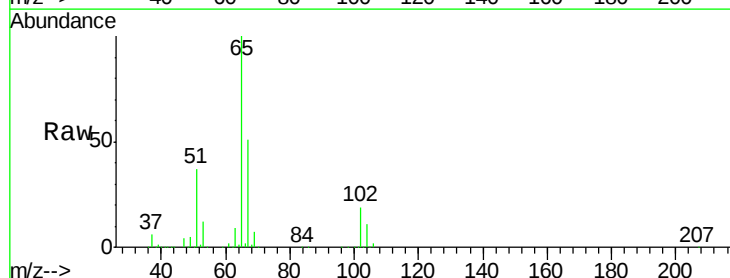
Acq: 15 Jun 2018 00:50

Tgt Ion: 65 Resp: 82054

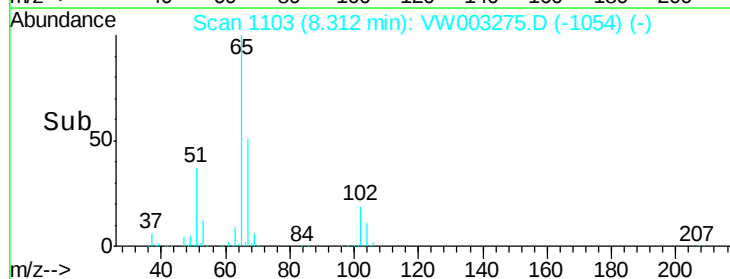
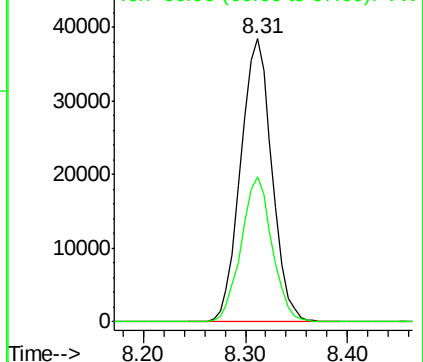
Ion Ratio Lower Upper

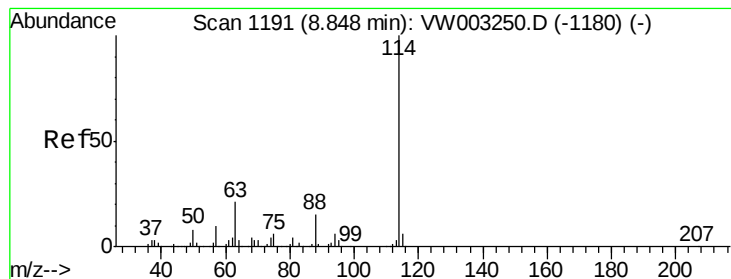
65 100

67 50.5 0.0 104.2



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: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

SB-46(0-5)

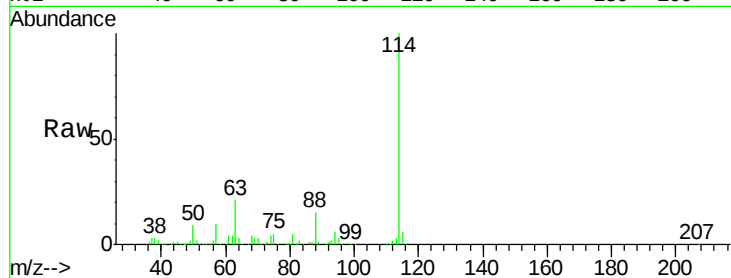
Tgt Ion:114 Resp: 278493

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

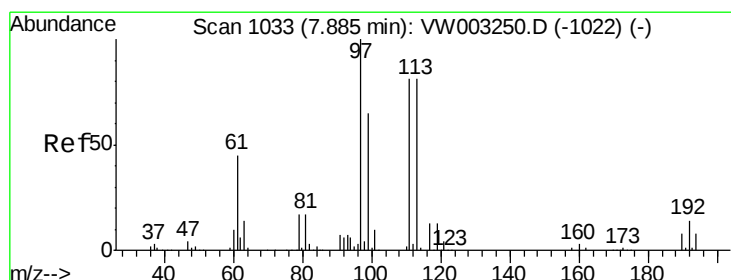
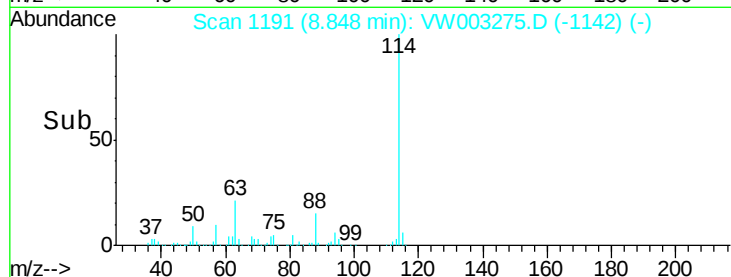
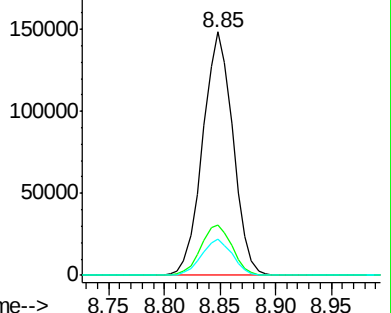
88 15.0 0.0 29.6



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: 42.320 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

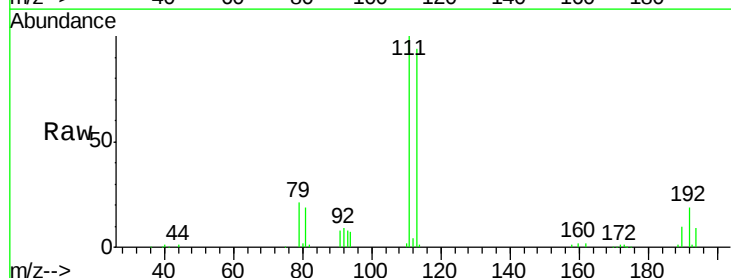
Tgt Ion:113 Resp: 73233

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

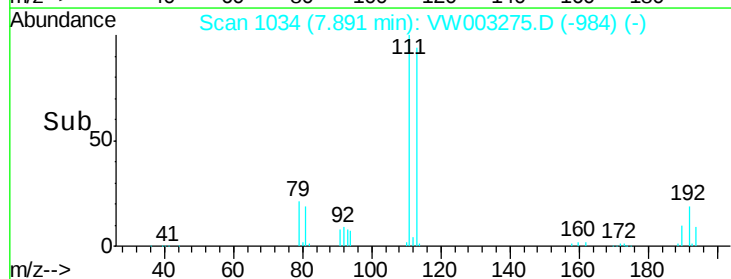
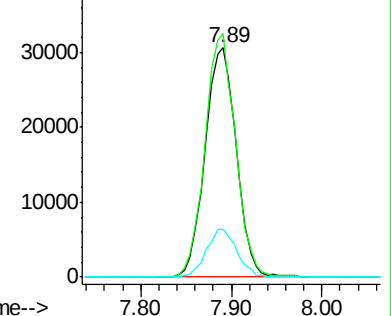
192 20.2 16.2 24.2

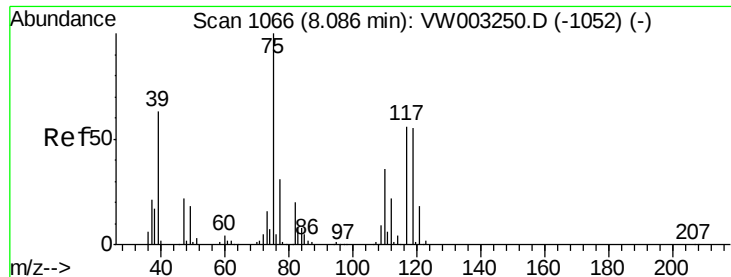


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.376 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

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ClientSampleId :

SB-46(0-5)

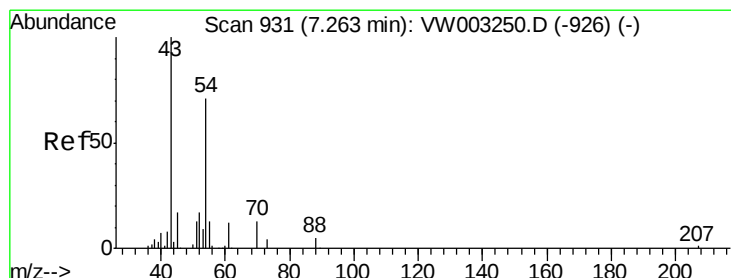
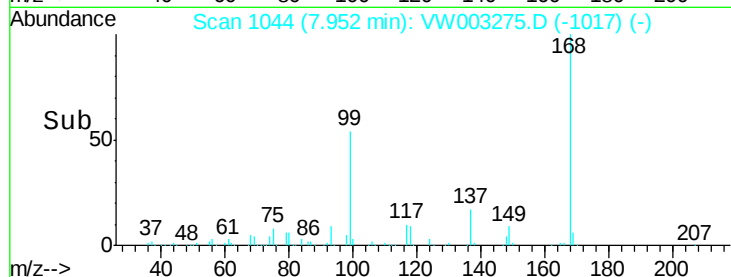
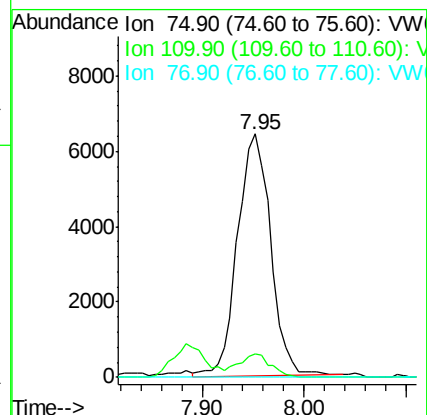
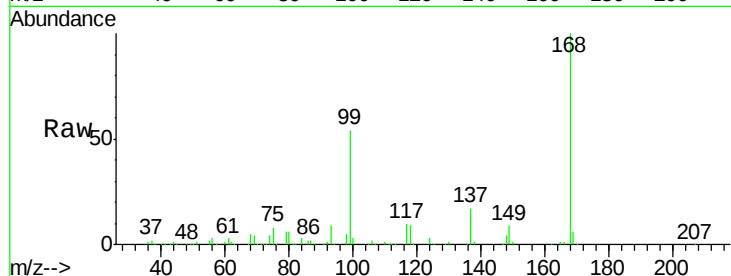
Tgt Ion: 75 Resp: 14458

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.3#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 8.920 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

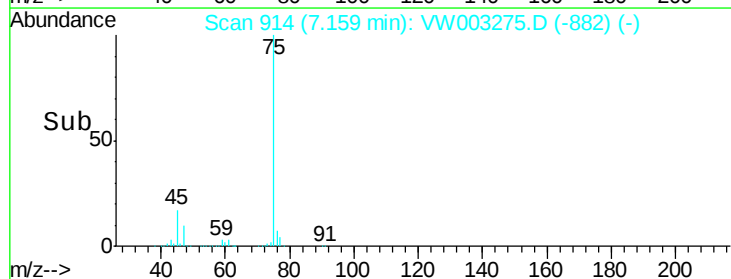
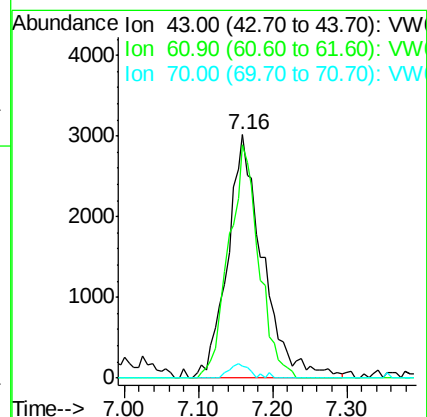
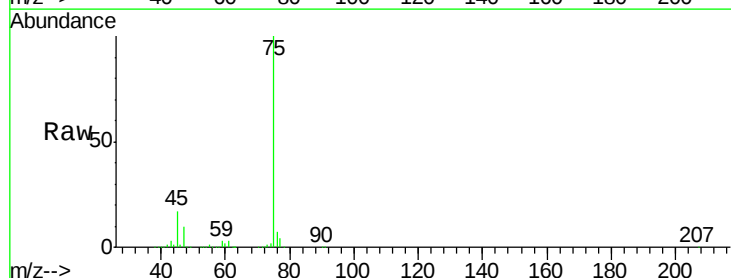
Tgt Ion: 43 Resp: 9939

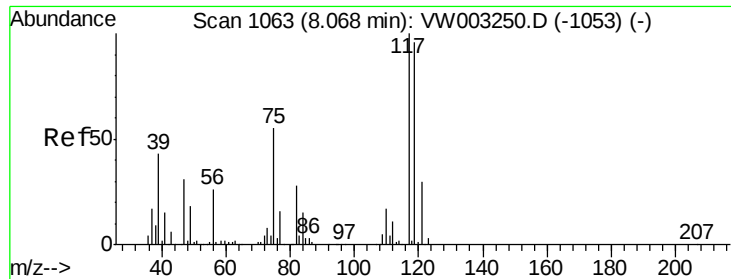
Ion Ratio Lower Upper

43 100

61 82.0 10.8 16.2#

70 3.1 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 6.539 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampled :

SB-46(0-5)

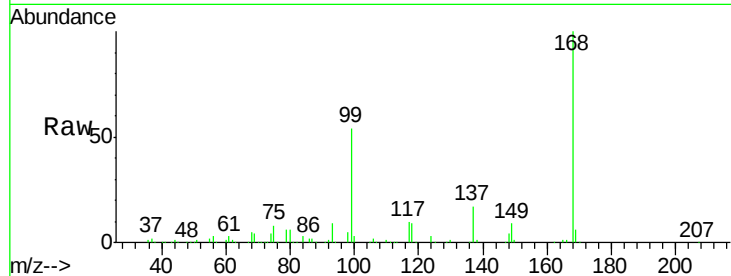
Tgt Ion:117 Resp: 17251

Ion Ratio Lower Upper

117 100

119 3.6 76.6 115.0#

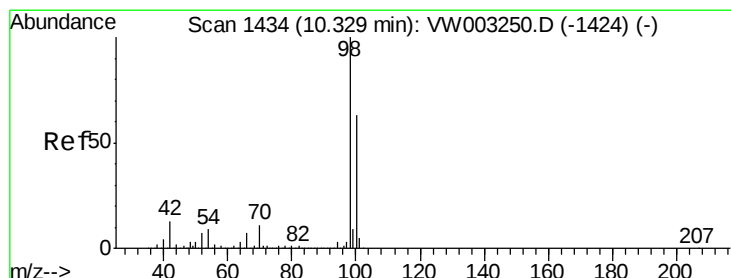
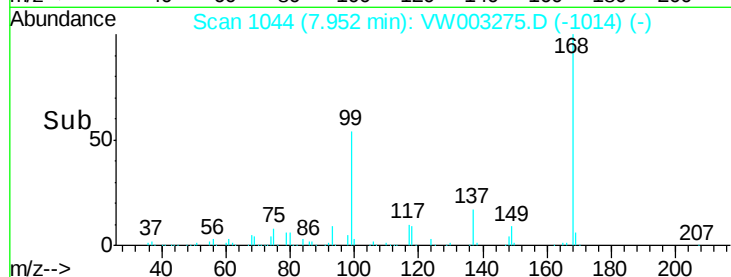
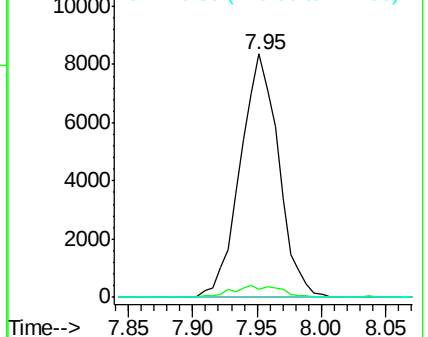
121 0.0 23.9 35.9#



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: 34.239 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003275.D

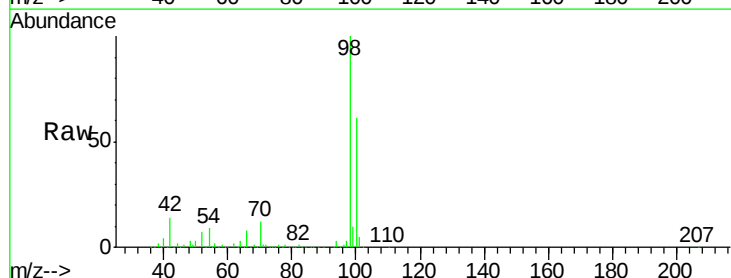
Acq: 15 Jun 2018 00:50

Tgt Ion: 98 Resp: 234939

Ion Ratio Lower Upper

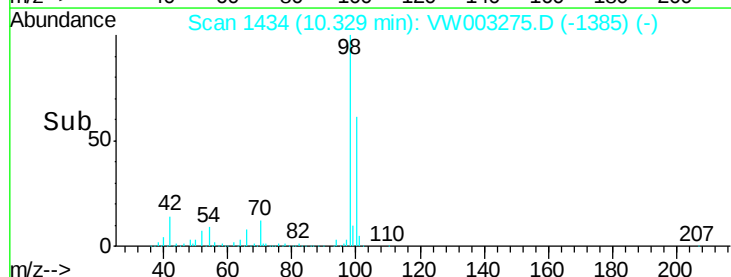
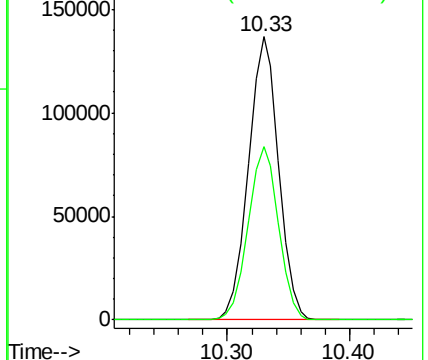
98 100

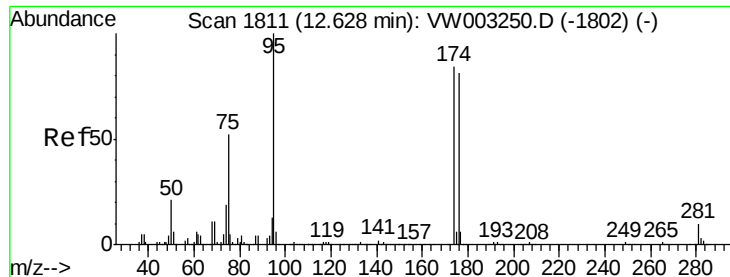
100 61.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

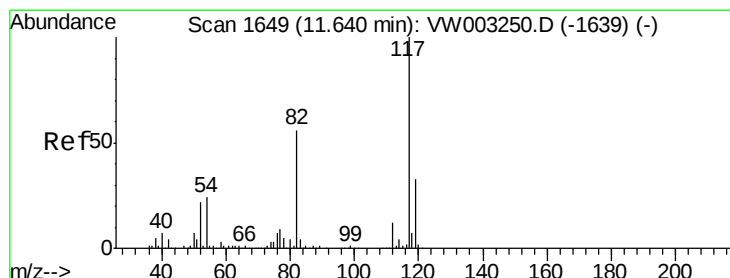
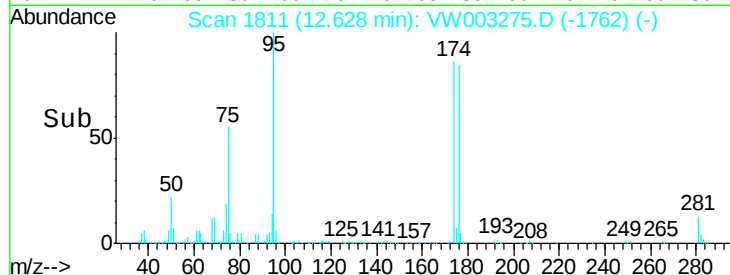
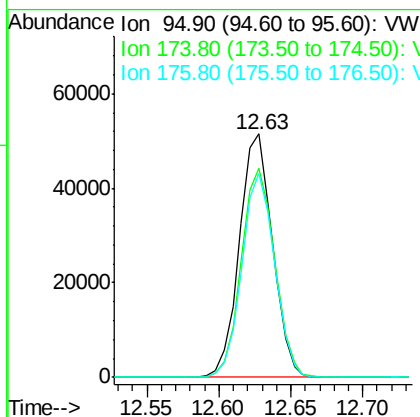
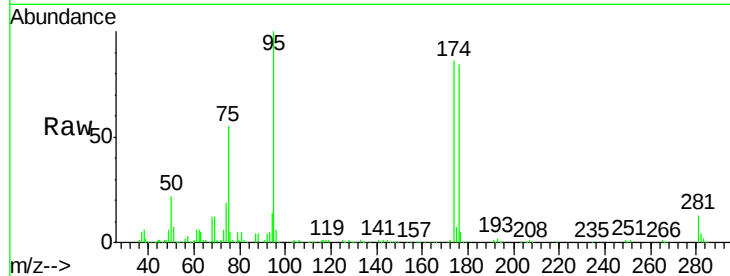




#62
4-Bromofluorobenzene
Concen: 33.804 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003275.D
Acq: 15 Jun 2018 00:50

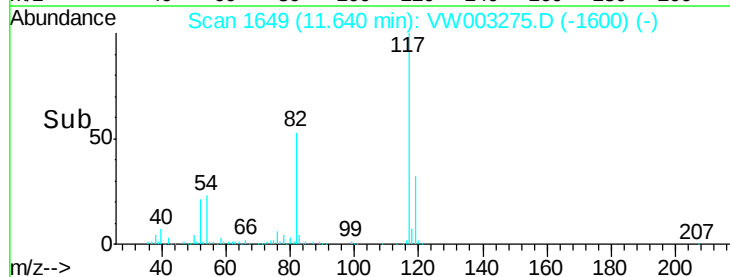
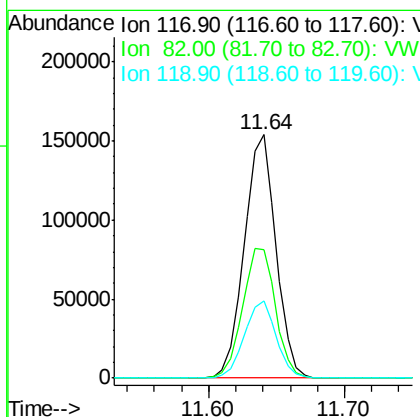
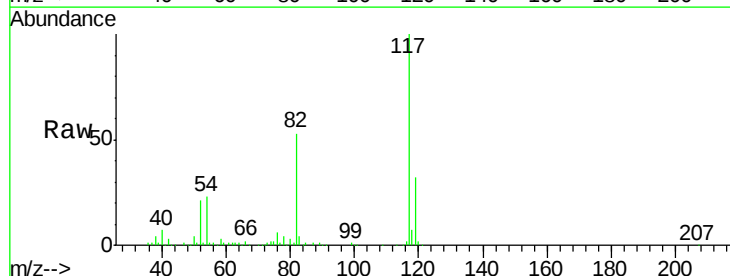
Instrument :
MSVOA_W
ClientSampleId :
SB-46(0-5)

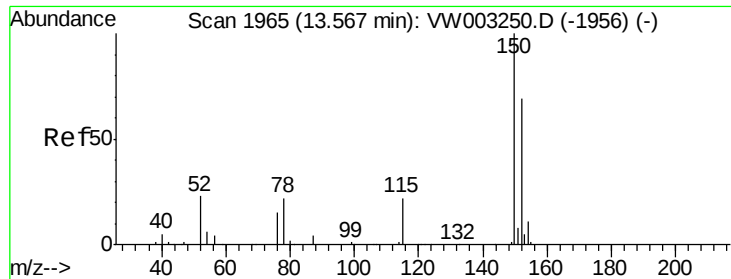
Tgt Ion: 95 Resp: 82085
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.4
176 82.7 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003275.D
Acq: 15 Jun 2018 00:50

Tgt Ion: 117 Resp: 250081
Ion Ratio Lower Upper
117 100
82 52.9 44.6 67.0
119 31.6 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

SB-46(0-5)

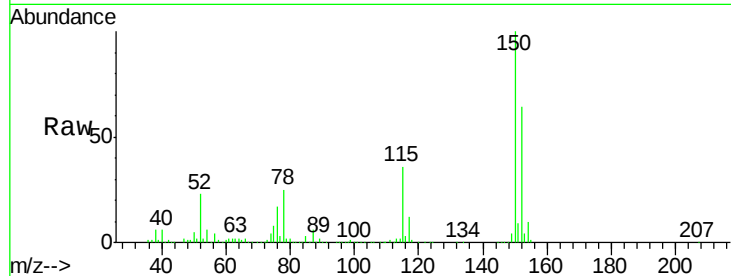
Tgt Ion:152 Resp: 120976

Ion Ratio Lower Upper

152 100

115 57.1 29.3 88.0

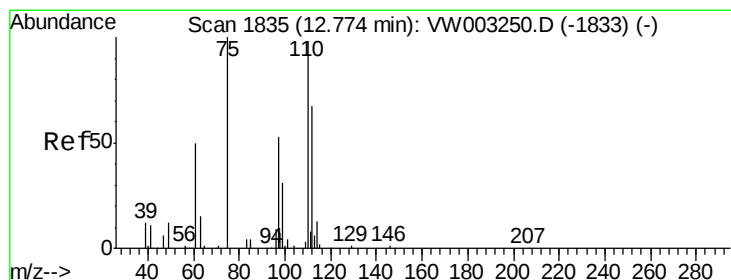
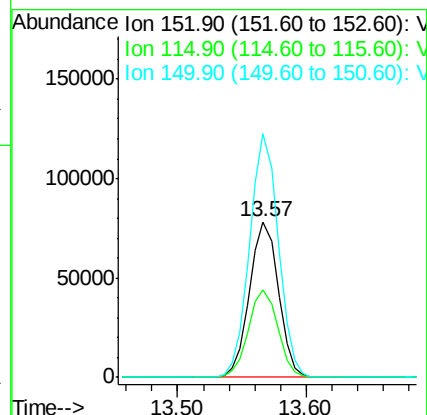
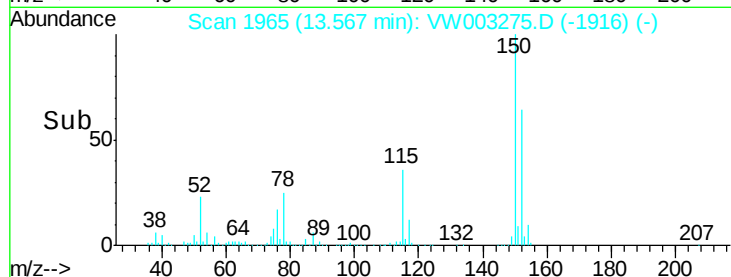
150 155.1 0.0 349.6



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: 44.606 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003275.D

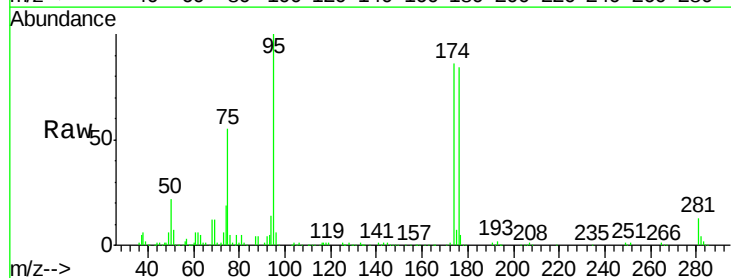
Acq: 15 Jun 2018 00:50

Tgt Ion: 75 Resp: 46132

Ion Ratio Lower Upper

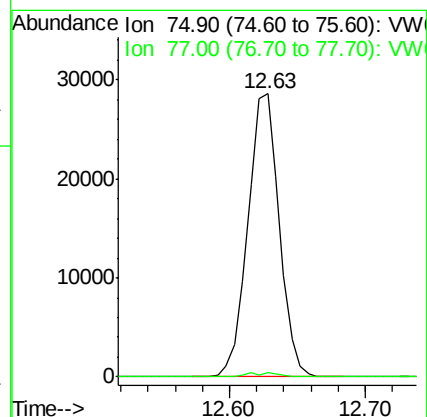
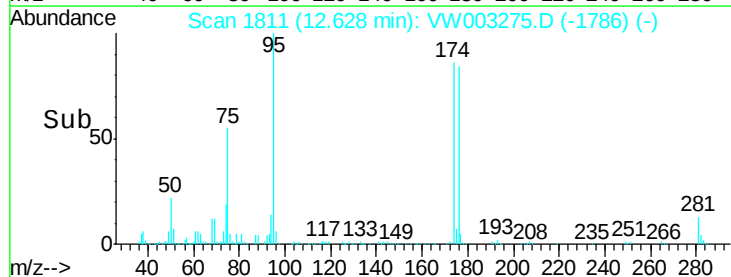
75 100

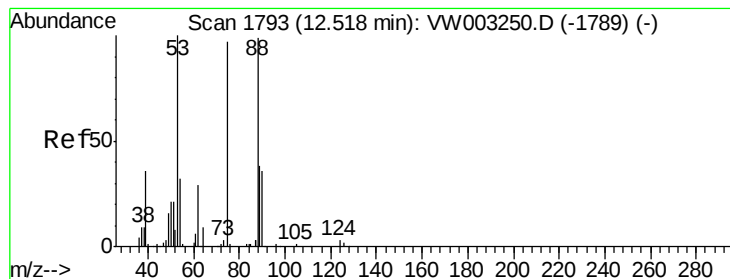
77 1.3 0.0 0.0#



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: 102.641 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003275.D

Acq: 15 Jun 2018 00:50

Instrument :

MSVOA_W

ClientSampleId :

SB-46(0-5)

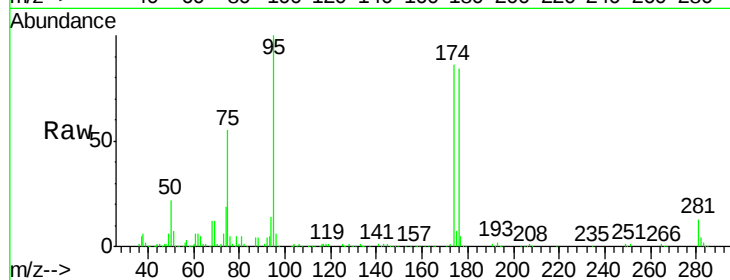
Tgt Ion: 75 Resp: 46132

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.1 36.7 55.1#



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

