

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003621.D
 Acq On : 27 Jun 2018 18:32
 Operator : SY/AP
 Sample : J3688-03RE
 Misc : 6.02G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 05:34:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	36321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	58159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	48876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	14776	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	20602	52.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.74%	
35) Dibromofluoromethane	7.89	113	17324	47.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.88%	
50) Toluene-d8	10.33	98	44450	31.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	62.04%	
62) 4-Bromofluorobenzene	12.63	95	11609	22.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	45.78%	

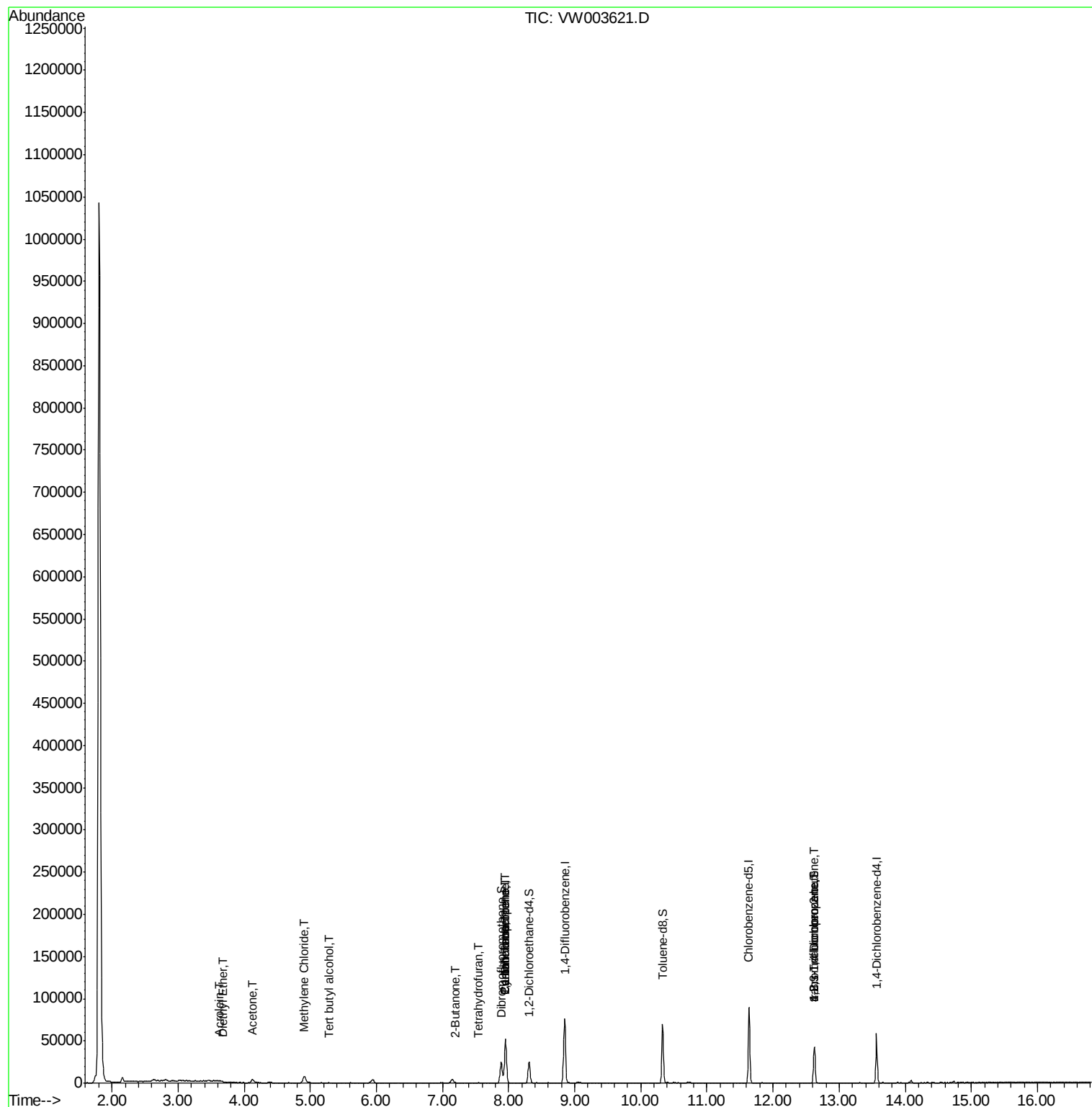
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	306	1.719	ug/l #	7
11) Tert butyl alcohol	5.29	59	38	1.801	ug/l #	84
13) Acrolein	3.63	56	44	1.459	ug/l	85
16) Acetone	4.12	43	6390	77.445	ug/l	99
20) Methylene Chloride	4.90	84	5065	11.634	ug/l	96
25) 2-Butanone	7.20	43	150	1.462	ug/l #	50
29) Tetrahydrofuran	7.54	42	116	1.850	ug/l #	35
31) Cyclohexane	7.95	56	1038	1.633	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3244	5.776	ug/l #	49
38) Carbon Tetrachloride	7.95	117	3899	7.077	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	6520	51.616	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6520	118.771	ug/l #	8

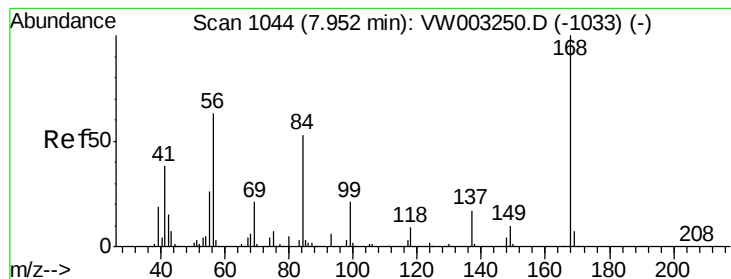
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

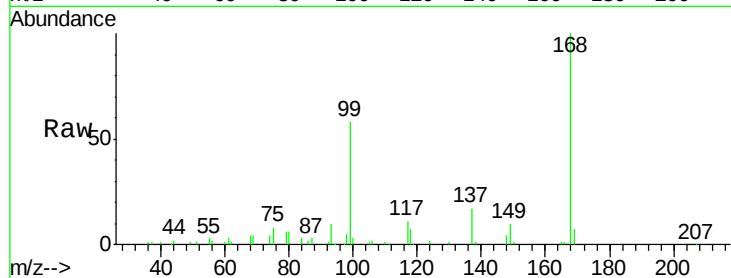
ClientSampleId :

Tot Ion:168 Resp: 36321

Ion Ratio Lower Upper

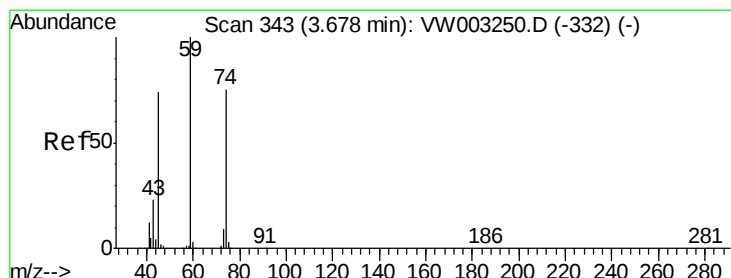
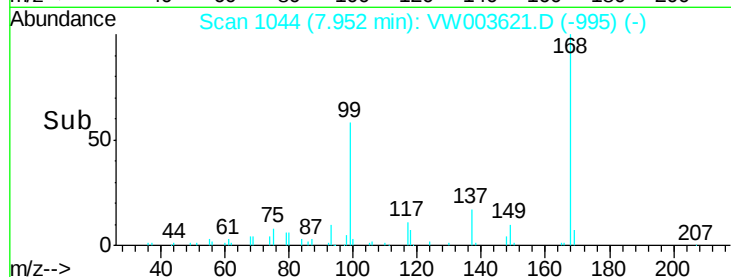
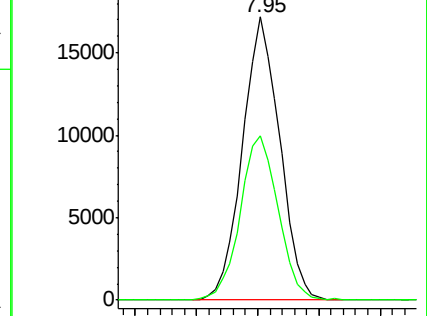
168 100

99 58.2 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.719 ug/l

RT: 3.68 min Scan# 344

Delta R.T. 0.01 min

Lab File: VW003621.D

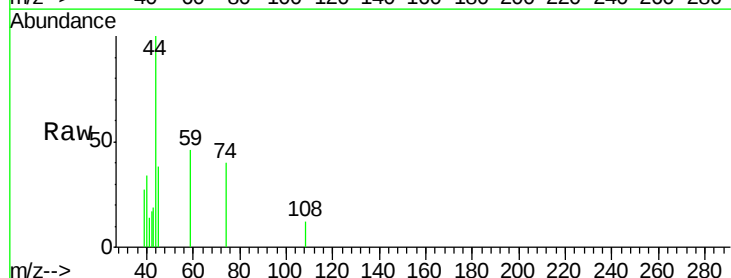
Acq: 27 Jun 2018 18:32

Tgt Ion: 74 Resp: 306

Ion Ratio Lower Upper

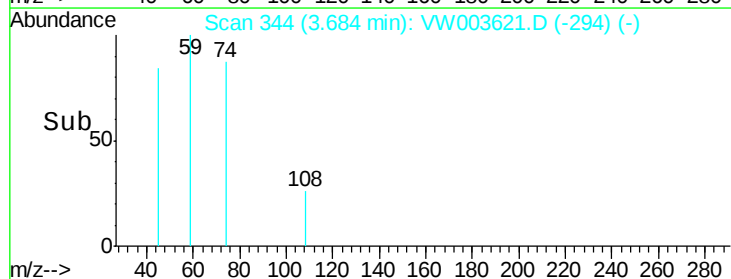
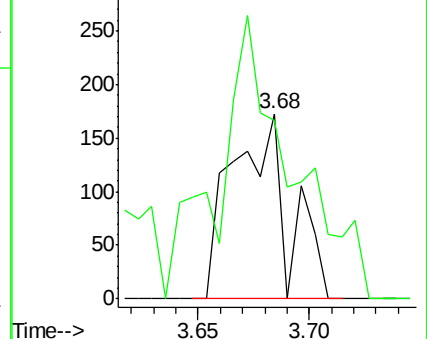
74 100

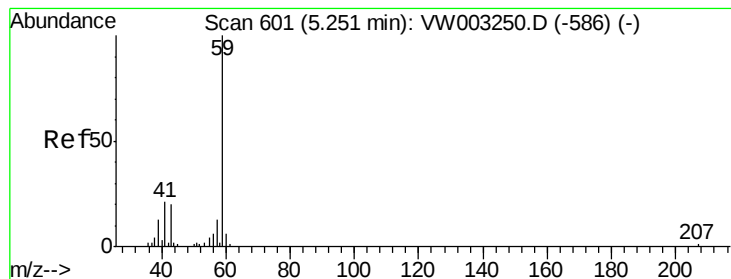
45 197.7 51.4 154.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



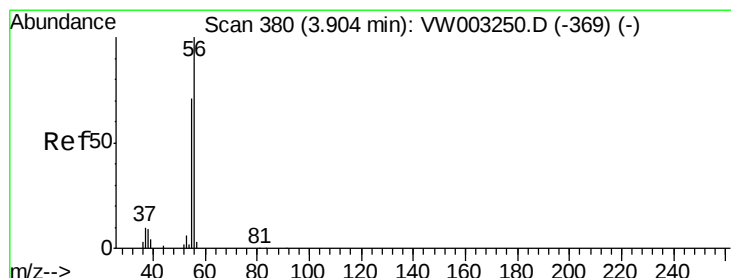
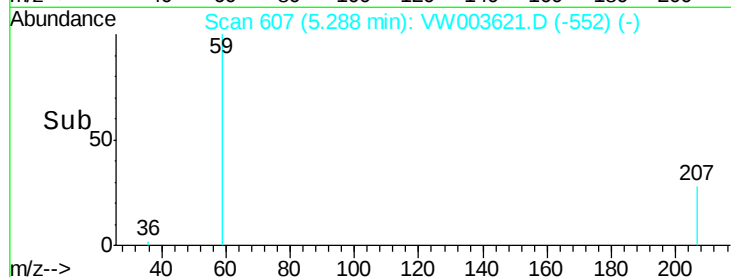
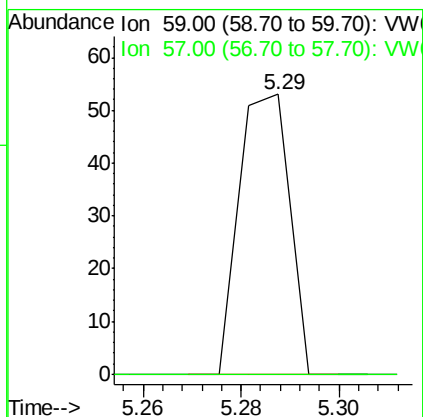
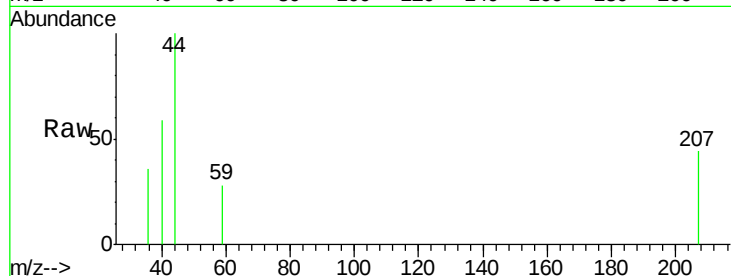


#11

Tert butvl alcohol
Concen: 1.801 ug/l
RT: 5.29 min Scan# 607
Delta R.T. 0.04 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

Instrument :
MSVOA_W
ClientSampled :

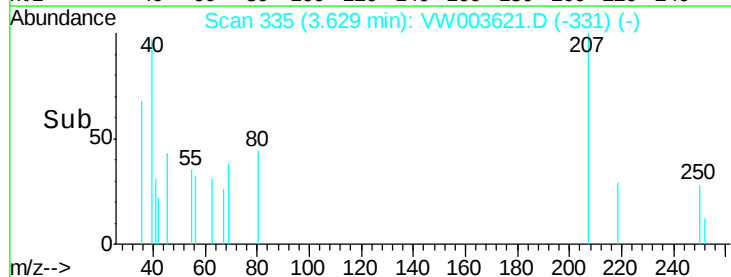
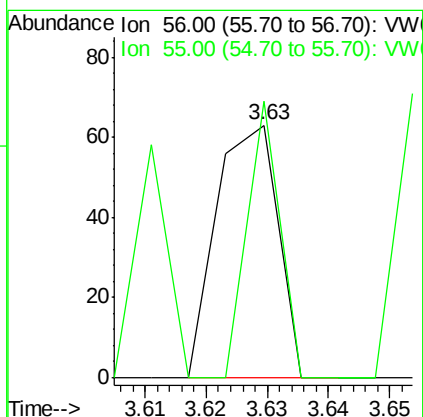
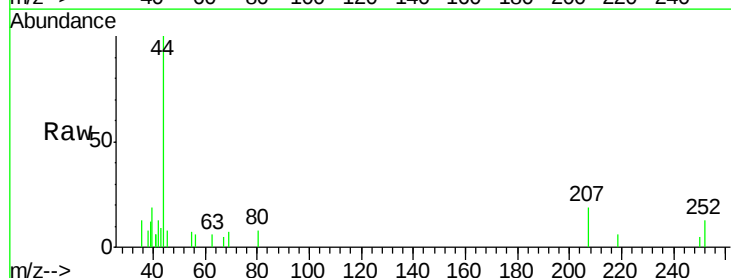
Tot Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

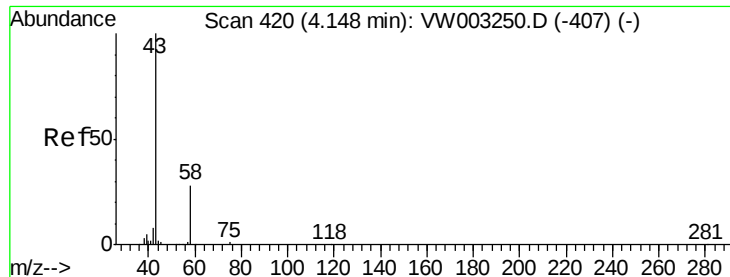


#13

Acrolein
Concen: 1.459 ug/l
RT: 3.63 min Scan# 335
Delta R.T. -0.27 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 56.8 55.4 83.2





#16

Acetone

Concen: 77.445 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.02 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

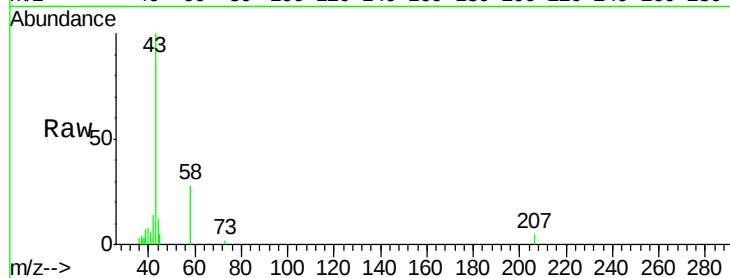
ClientSampled :

Tot Ion: 43 Resp: 6390

Ion Ratio Lower Upper

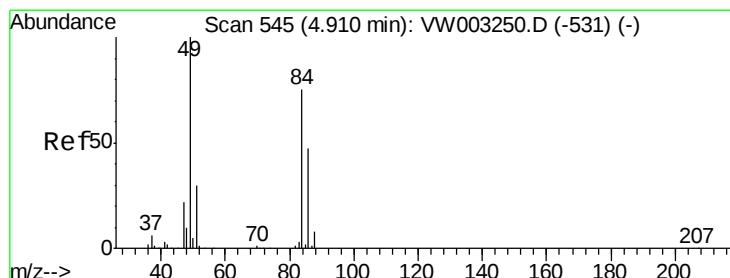
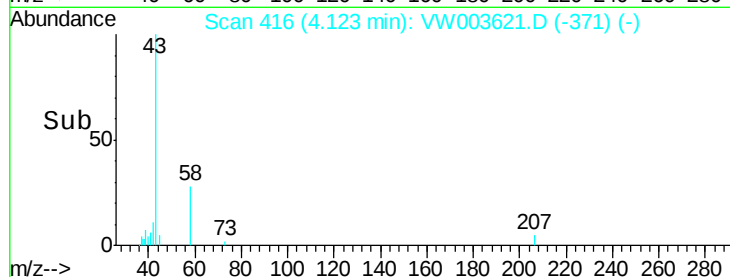
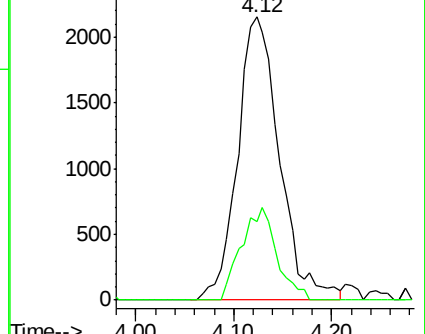
43 100

58 27.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 11.634 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Tgt Ion: 84 Resp: 5065

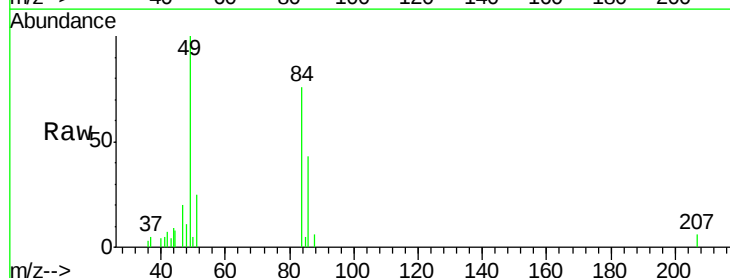
Ion Ratio Lower Upper

84 100

49 132.1 106.3 159.5

51 32.7 32.0 48.0

86 57.0 49.9 74.9

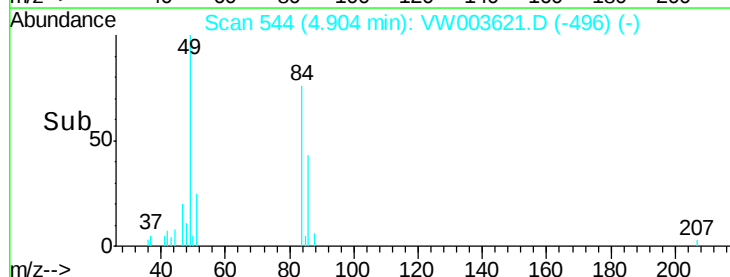
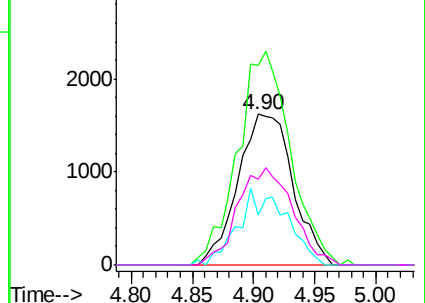


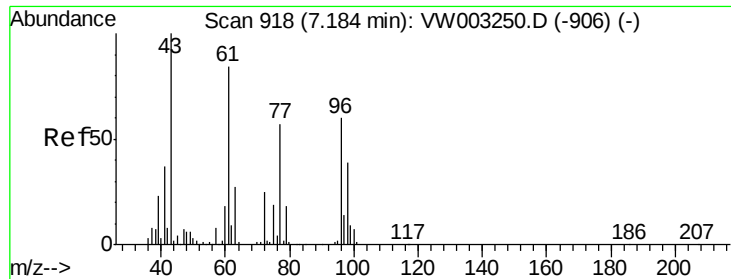
Abundance Ion 83.90 (83.60 to 84.60): VW

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

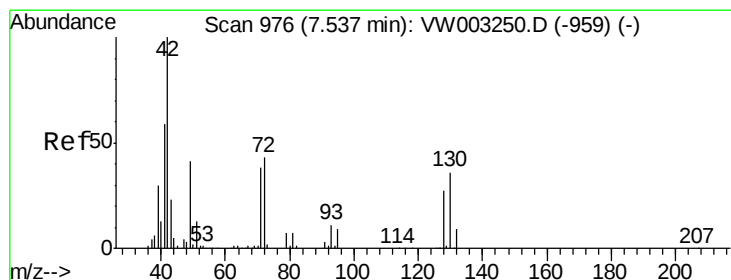
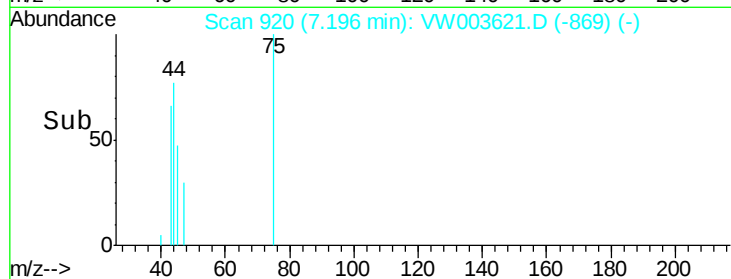
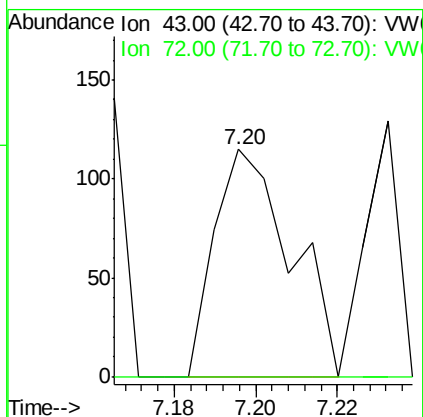
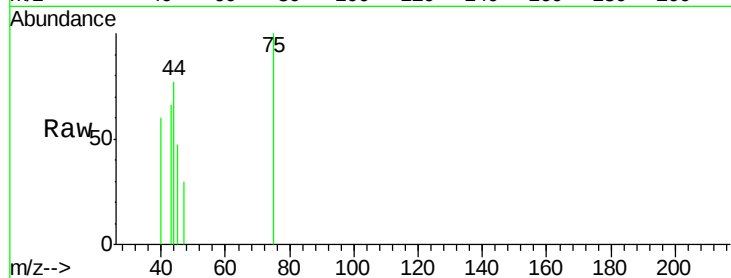




#25
2-Butanone
Concen: 1.462 ug/l
RT: 7.20 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

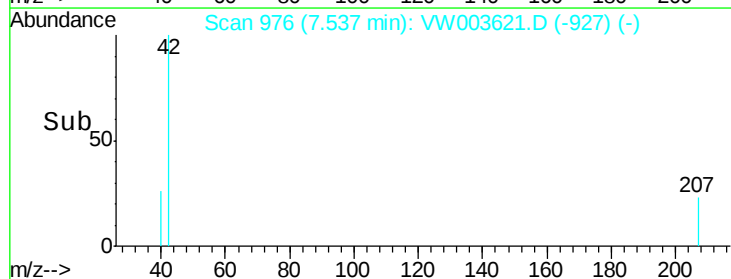
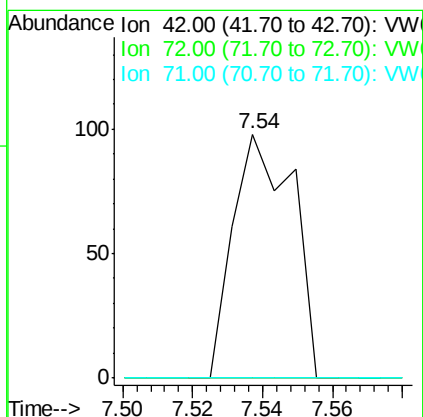
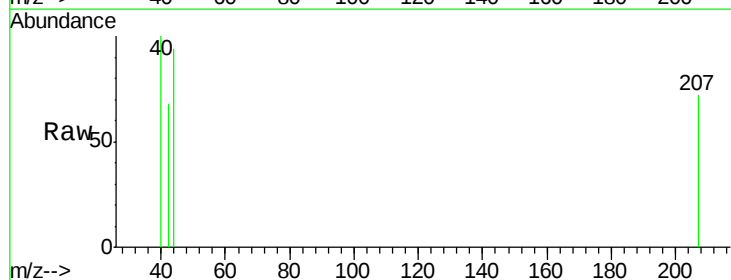
Instrument :
MSVOA_W
ClientSampleId :

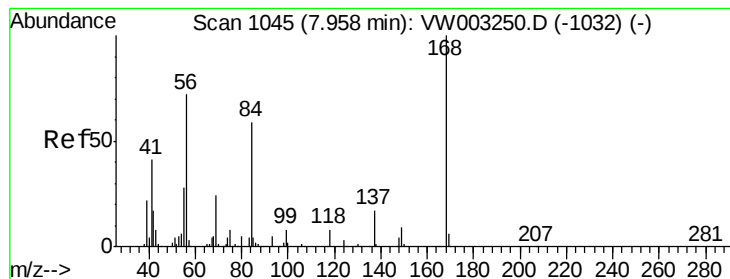
Tot Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



#29
Tetrahydrofuran
Concen: 1.850 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

Tgt Ion: 42 Resp: 116
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 0.0 31.2 46.8#





#31

Cyclohexane

Concen: 1.633 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

ClientSampled :

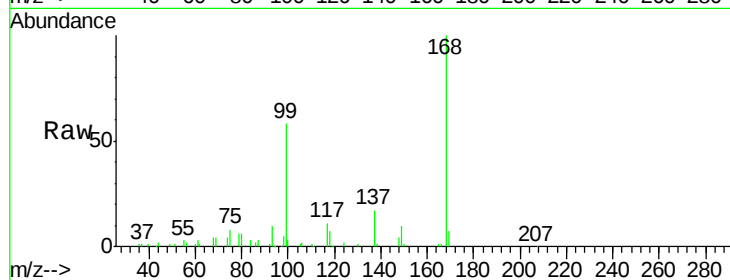
Tot Ion: 56 Resp: 1038

Ion Ratio Lower Upper

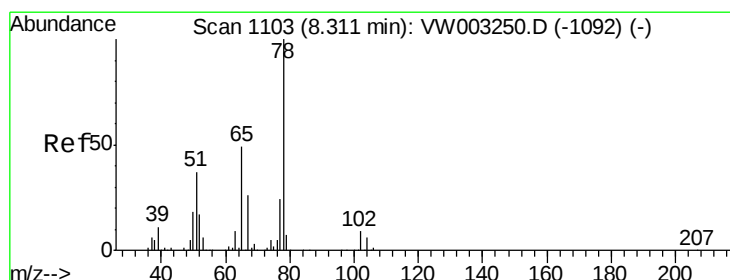
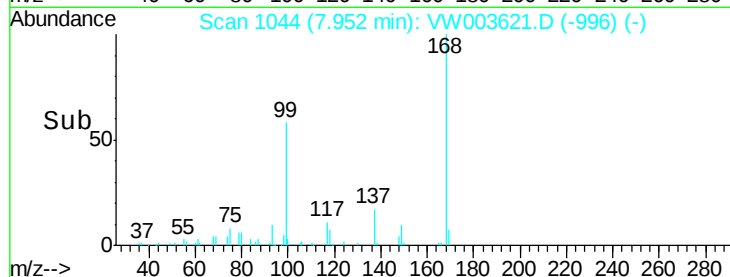
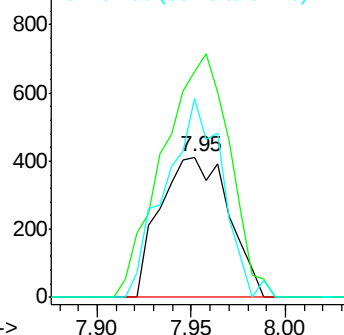
56 100

69 161.3 26.3 39.5#

84 142.1 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: 52.367 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003621.D

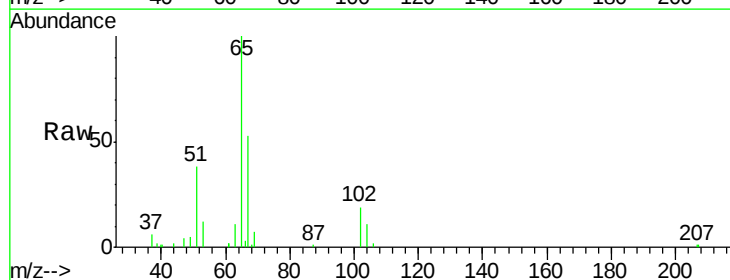
Acq: 27 Jun 2018 18:32

Tgt Ion: 65 Resp: 20602

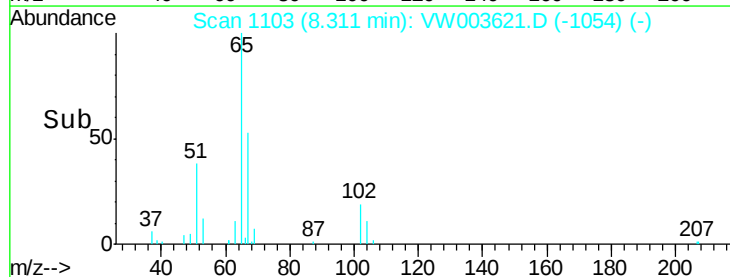
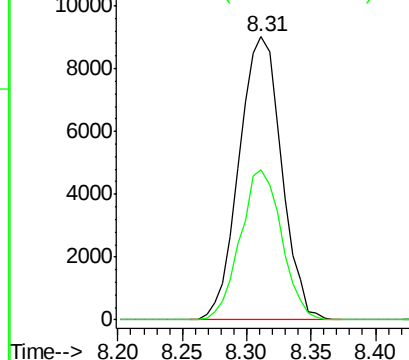
Ion Ratio Lower Upper

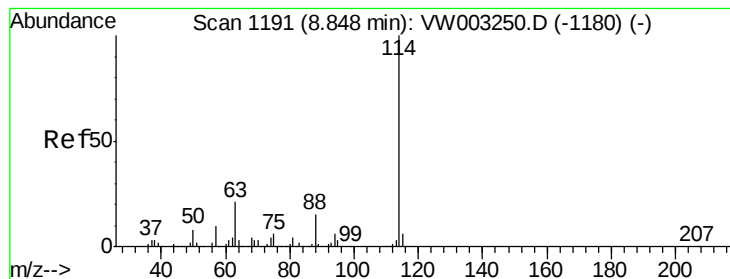
65 100

67 51.5 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: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

ClientSampleId :

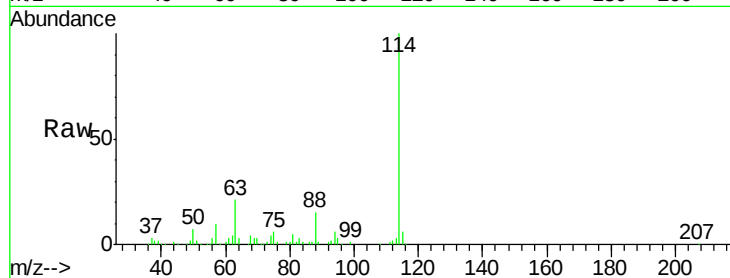
Tot Ion:114 Resp: 58159

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.0

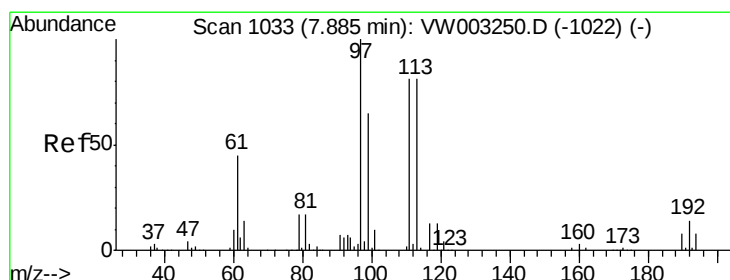
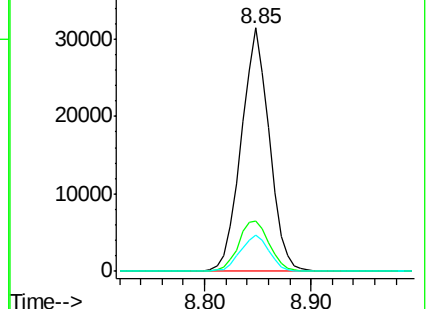
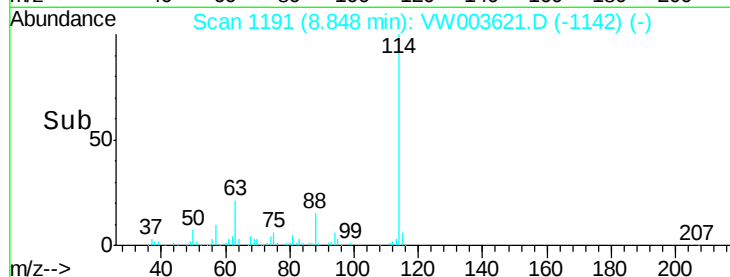
88 15.1 0.0 29.6



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: 47.938 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

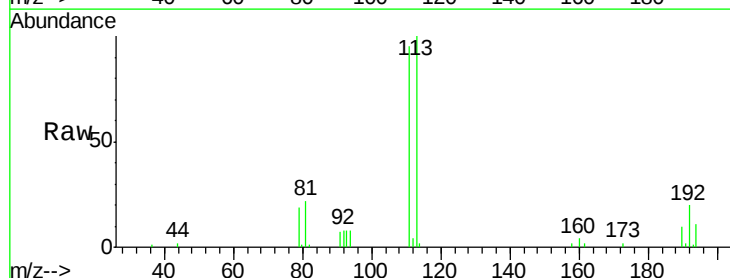
Tgt Ion:113 Resp: 17324

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

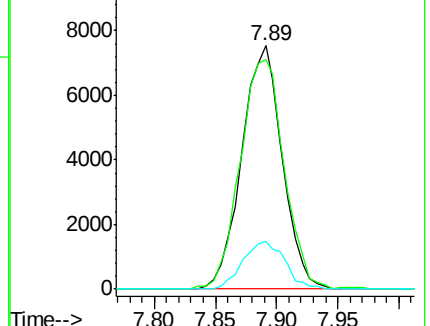
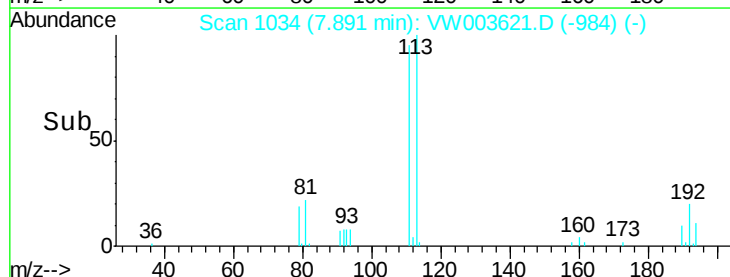
192 20.3 16.2 24.2

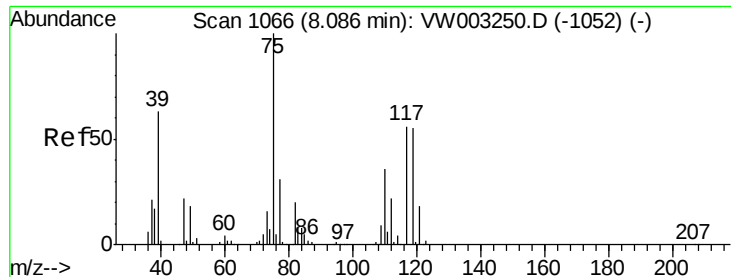


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.776 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

ClientSampleId :

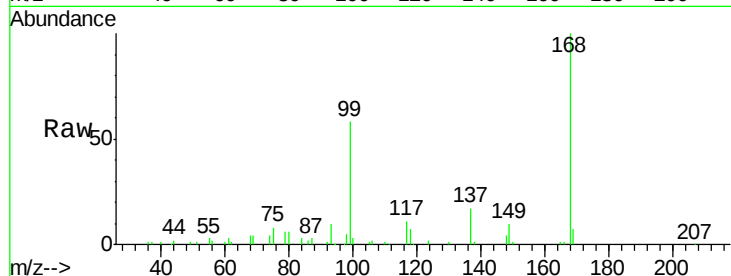
Tot Ion: 75 Resp: 3244

Ion Ratio Lower Upper

75 100

110 7.7 17.1 51.3#

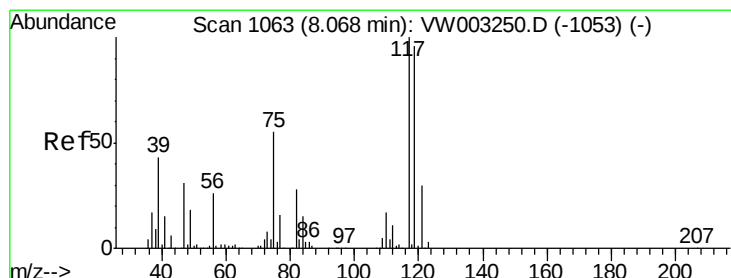
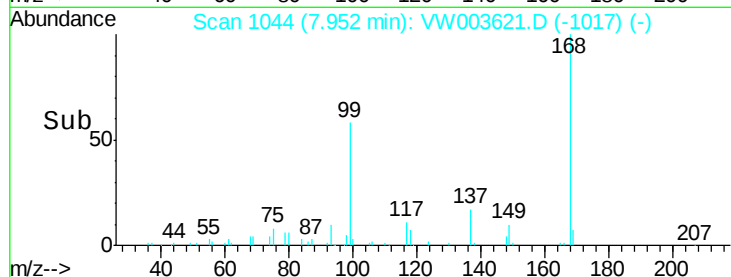
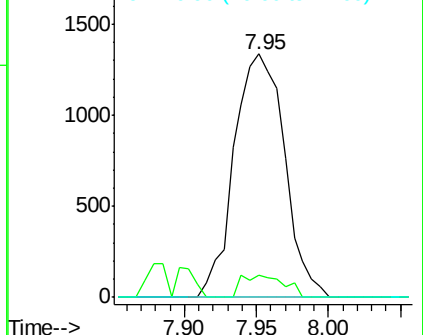
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 7.077 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

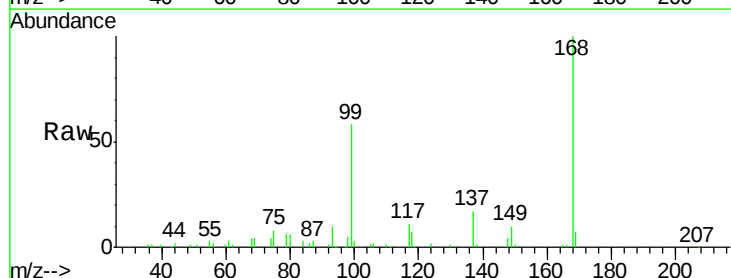
Tgt Ion: 117 Resp: 3899

Ion Ratio Lower Upper

117 100

119 3.8 76.6 115.0#

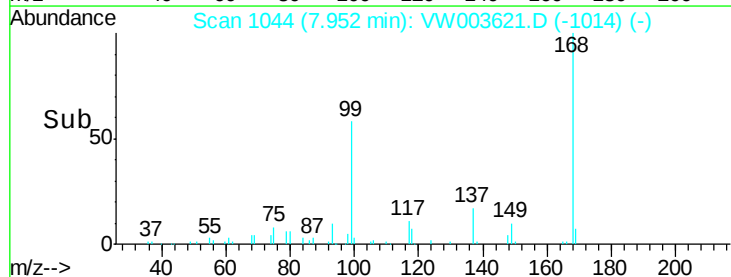
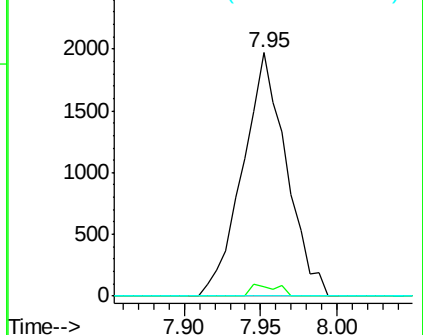
121 0.0 23.9 35.9#

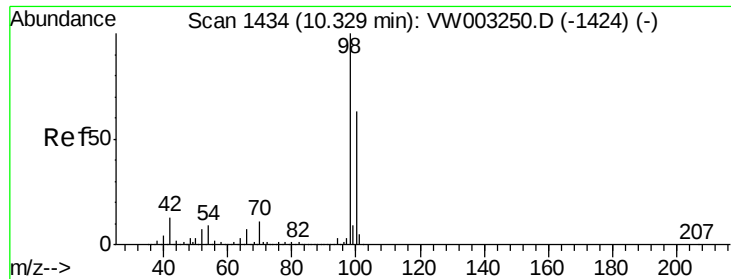


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 31.020 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

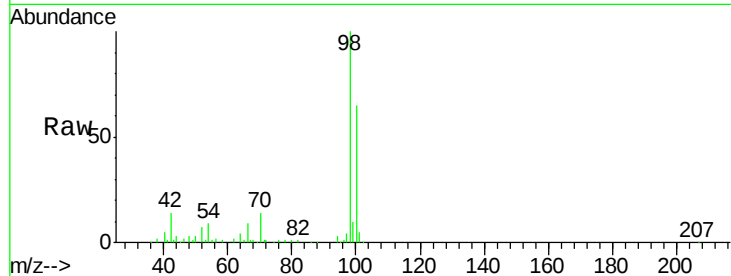
ClientSampled :

Tot Ion: 98 Resp: 44450

Ion Ratio Lower Upper

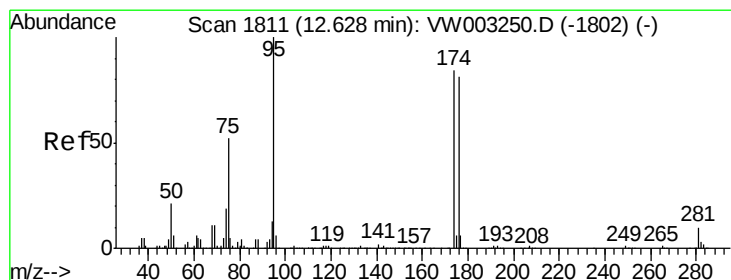
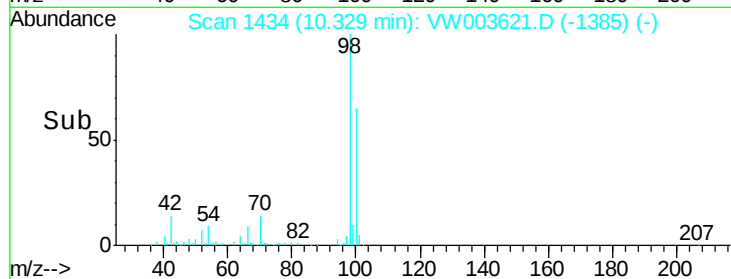
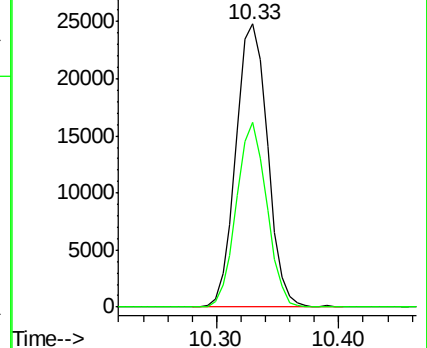
98 100

100 62.2 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: 22.892 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

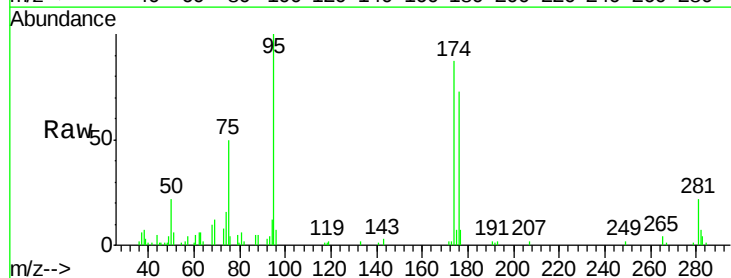
Tgt Ion: 95 Resp: 11609

Ion Ratio Lower Upper

95 100

174 84.7 0.0 166.4

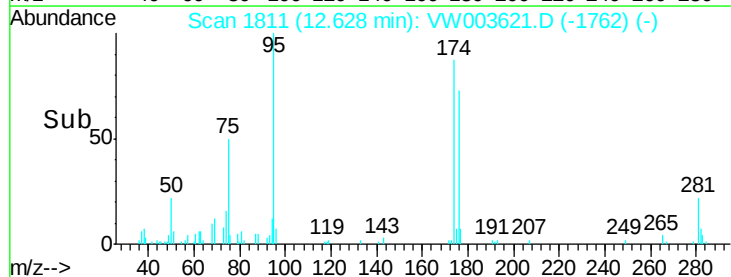
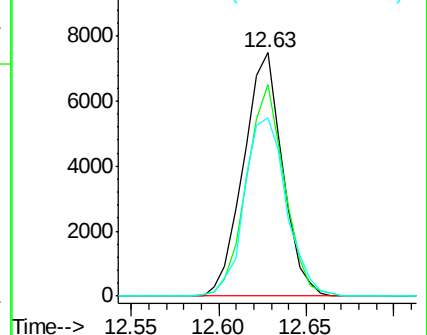
176 79.2 0.0 162.0

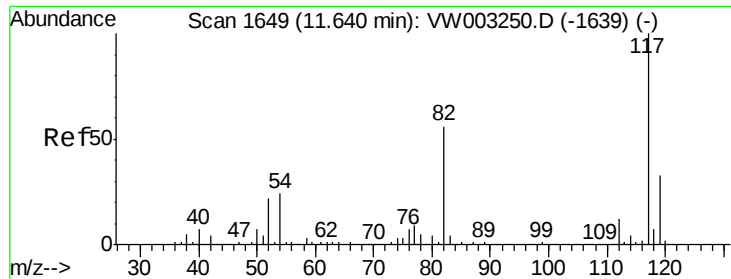


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

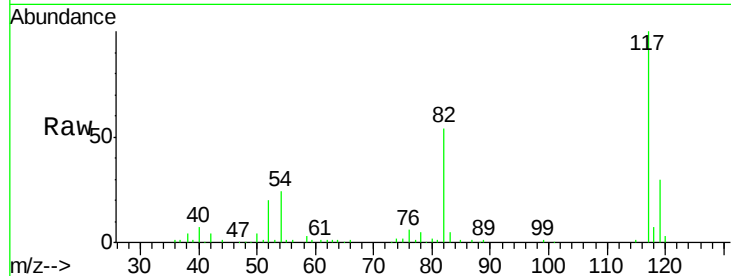




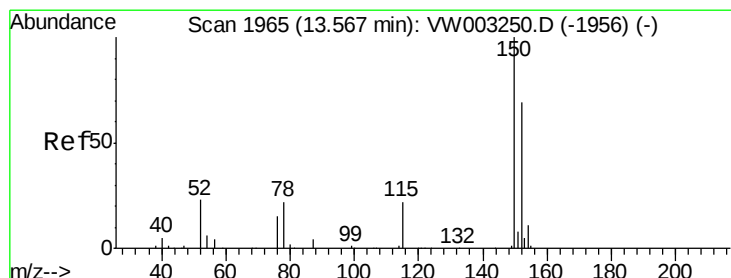
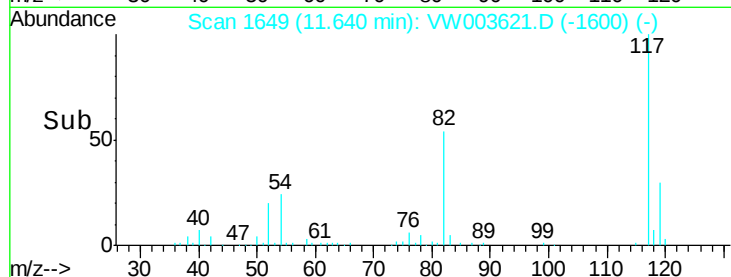
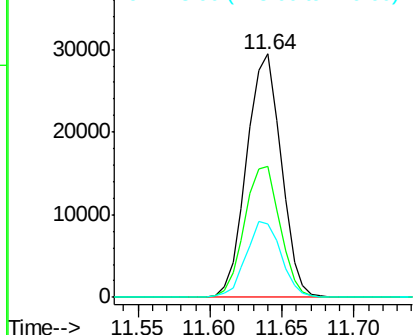
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 48876
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 30.3 26.7 40.1

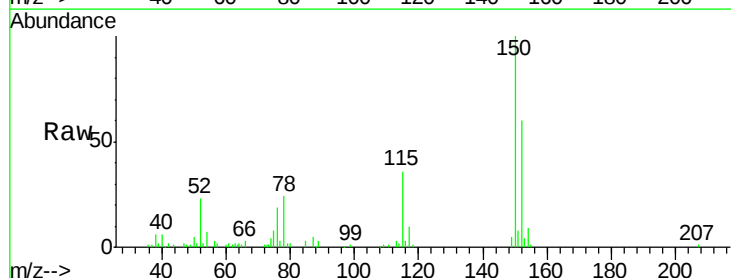


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

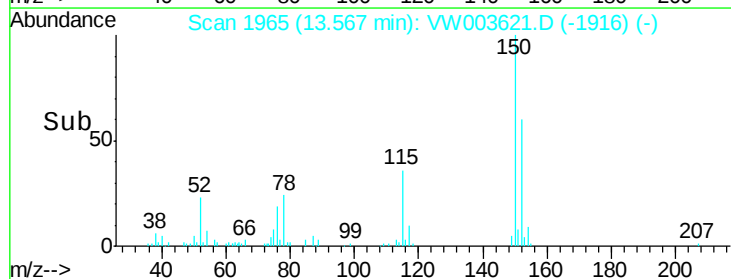
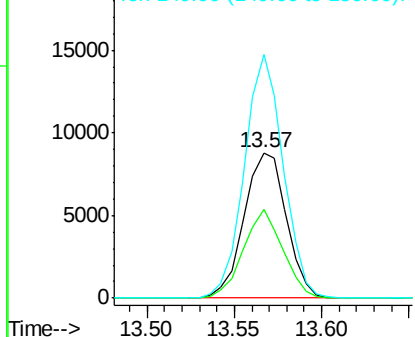


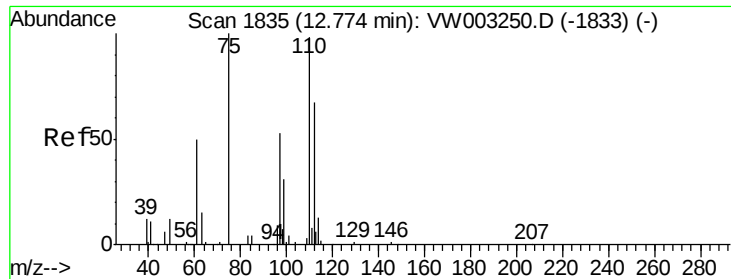
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003621.D
Acq: 27 Jun 2018 18:32

Tgt Ion:152 Resp: 14776
Ion Ratio Lower Upper
152 100
115 56.5 29.3 88.0
150 153.6 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: 51.616 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Instrument :

MSVOA_W

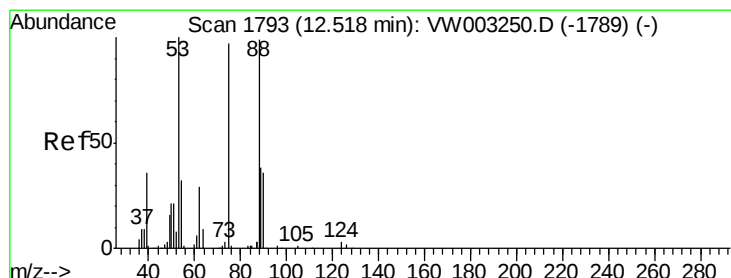
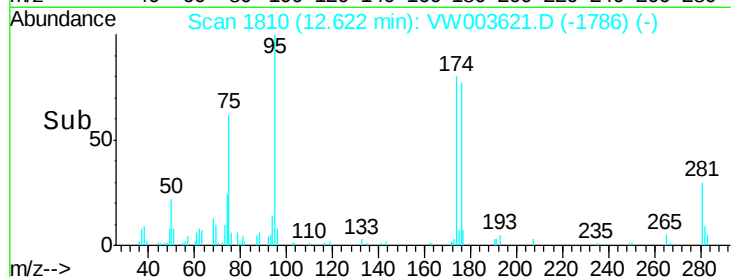
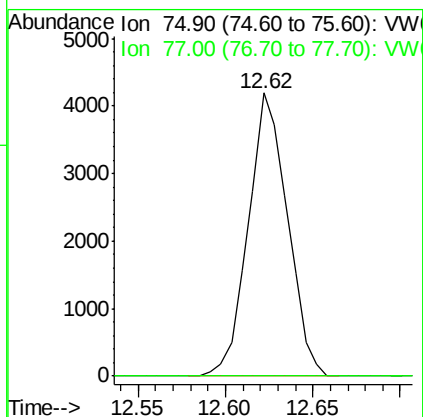
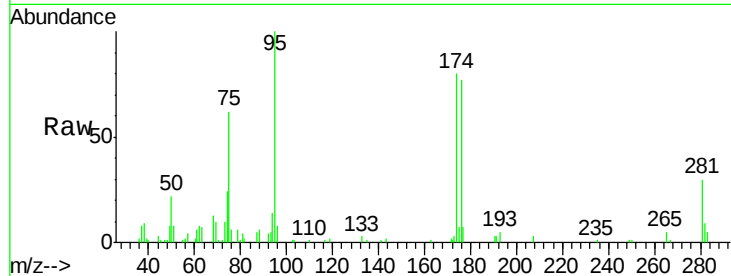
ClientSampleId :

Tot Ion: 75 Resp: 6520

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 118.771 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003621.D

Acq: 27 Jun 2018 18:32

Tgt Ion: 75 Resp: 6520

Ion Ratio Lower Upper

75 100

53 0.0 82.9 124.3#

89 0.0 36.7 55.1#

