

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062718\
 Data File : VW003623.D
 Acq On : 27 Jun 2018 19:24
 Operator : SY/AP
 Sample : J3048-10
 Misc : 5.81G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 28 05:34:26 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	130474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	203966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	56380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56682	40.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.22%	
35) Dibromofluoromethane	7.89	113	51714	40.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.60%	
50) Toluene-d8	10.33	98	159111	31.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.32%	
62) 4-Bromofluorobenzene	12.63	95	47513	26.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.44%	

Target Compounds

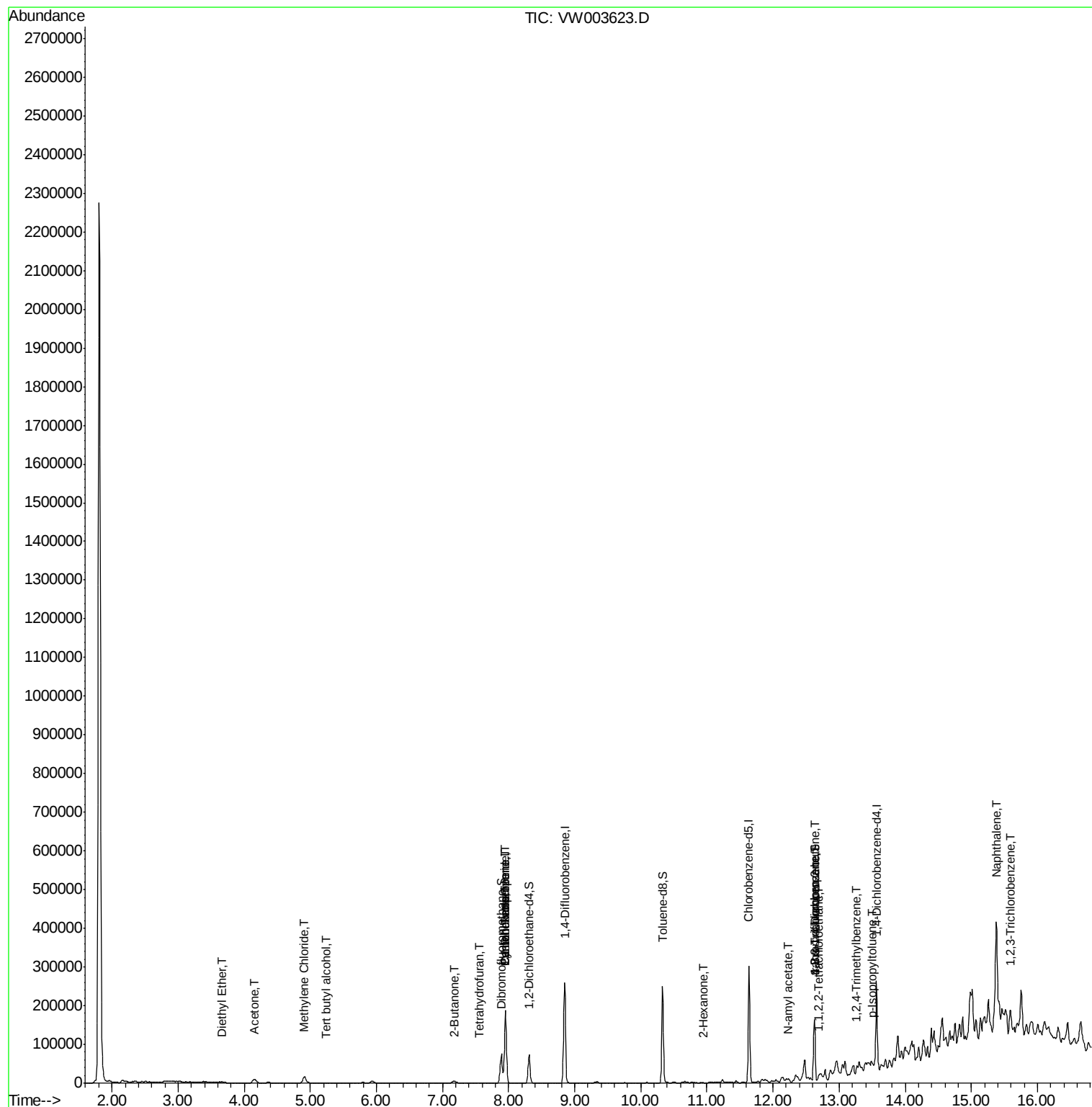
						Qvalue
8) Diethyl Ether	3.67	74	653	1.021	ug/l #	32
11) Tert butyl alcohol	5.25	59	76	1.003	ug/l #	84
16) Acetone	4.15	43	23101	77.939	ug/l	98
20) Methylene Chloride	4.91	84	12149	6.452	ug/l	92
25) 2-Butanone	7.18	43	4965	13.471	ug/l #	84
29) Tetrahydrofuran	7.55	42	592	2.628	ug/l #	64
31) Cyclohexane	7.95	56	3701	1.621	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	10786	5.476	ug/l #	51
38) Carbon Tetrachloride	7.95	117	13617	7.048	ug/l #	15
59) 2-Hexanone	10.95	43	671	1.163	ug/l #	27
74) N-amyl acetate	12.23	43	1321	1.480	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.68	83	1391	2.097	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	25467	52.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	25467	121.583	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	4039	1.193	ug/l	81
86) p-Isopropyltoluene	13.51	119	5711	1.553	ug/l #	73
95) Naphthalene	15.38	128	241161	123.229	ug/l	98
96) 1,2,3-Trichlorobenzene	15.59	180	1105	1.088	ug/l #	12

(#) = 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: VW003623.D

Acq: 27 Jun 2018 19:24

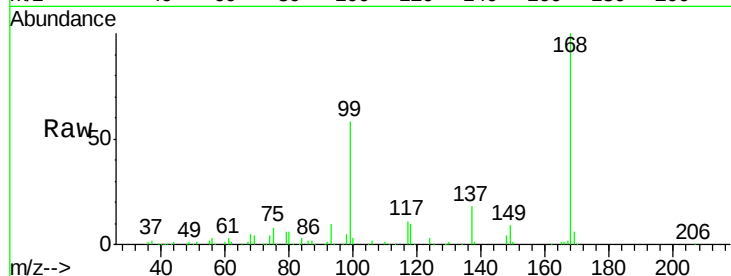
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 130474

Ion Ratio Lower Upper

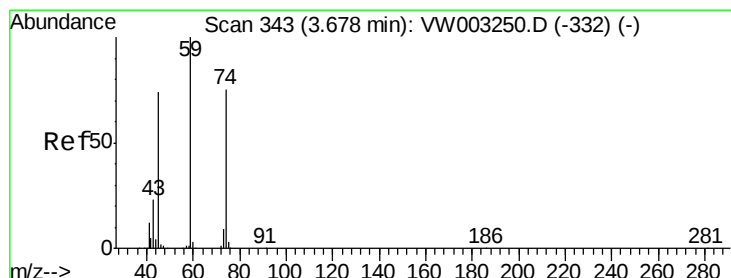
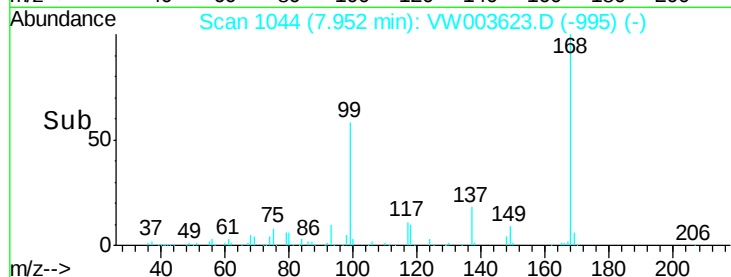
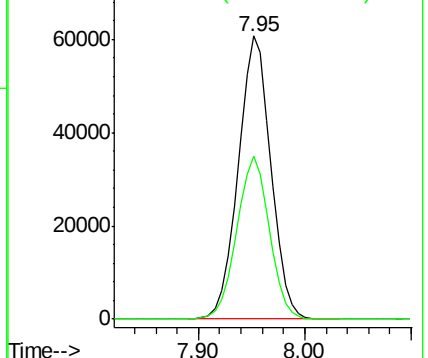
168 100

99 57.7 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: 1.021 ug/l

RT: 3.67 min Scan# 342

Delta R.T. -0.01 min

Lab File: VW003623.D

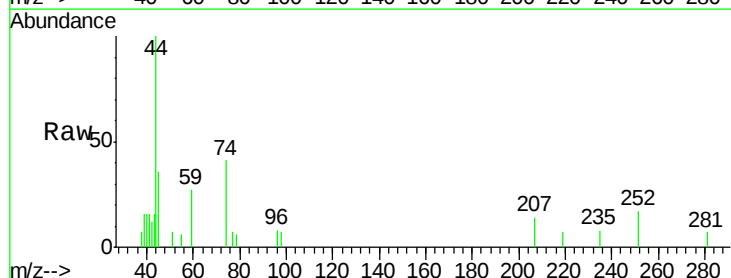
Acq: 27 Jun 2018 19:24

Tgt Ion: 74 Resp: 653

Ion Ratio Lower Upper

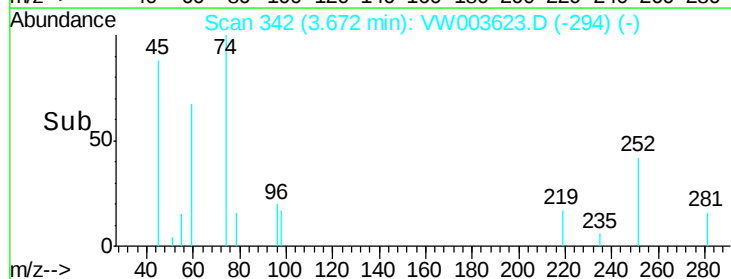
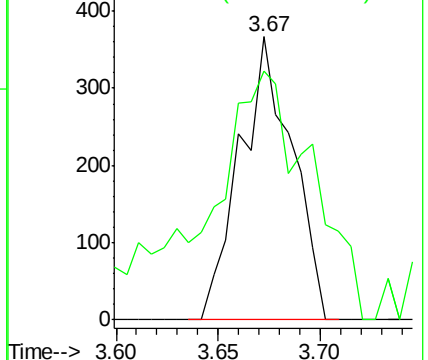
74 100

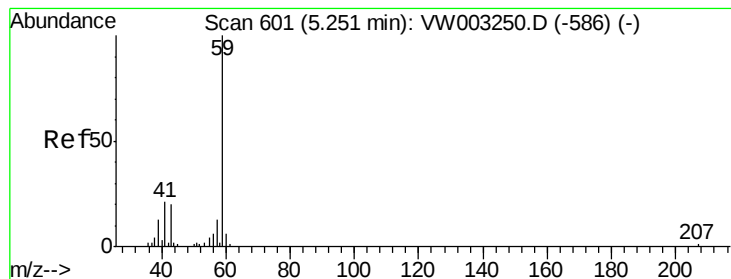
45 172.1 51.4 154.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



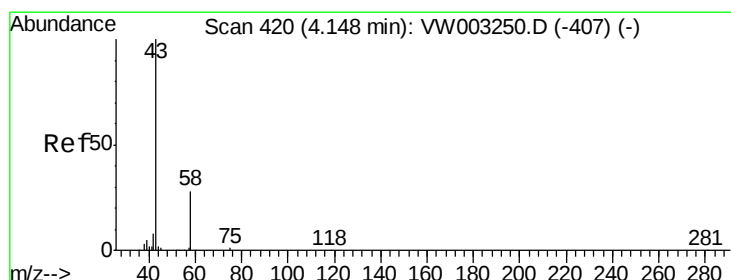
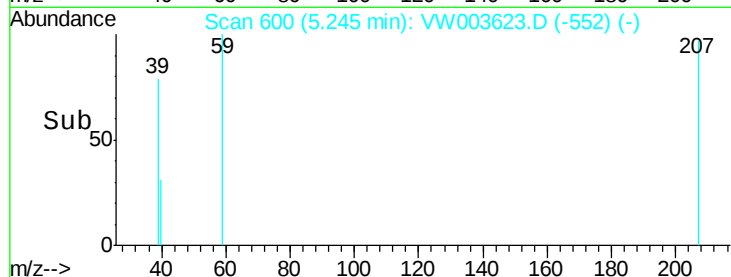
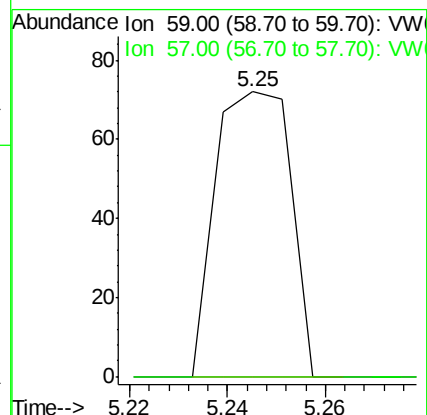
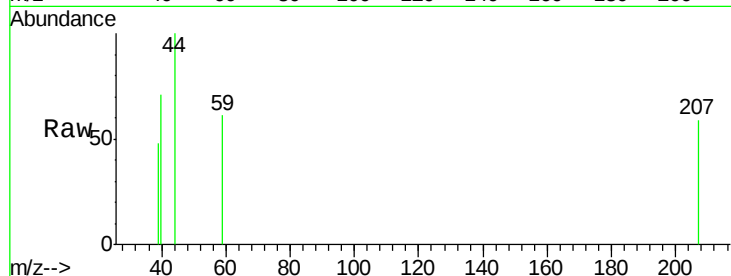


#11

Tert butyl alcohol
Concen: 1.003 ug/l
RT: 5.25 min Scan# 600
Delta R.T. -0.01 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Instrument :
MSVOA_W
ClientSampled :

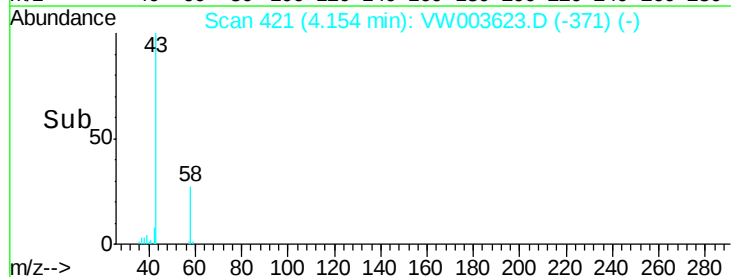
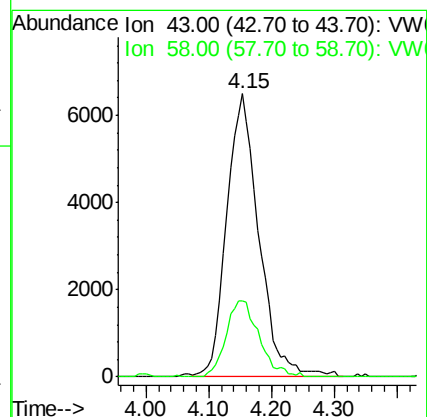
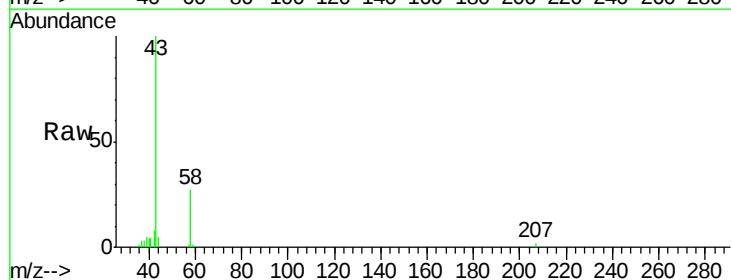
Tot Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

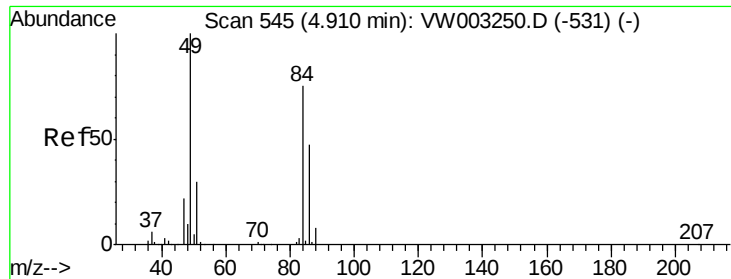


#16

Acetone
Concen: 77.939 ug/l
RT: 4.15 min Scan# 421
Delta R.T. 0.01 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Tgt Ion: 43 Resp: 23101
Ion Ratio Lower Upper
43 100
58 27.0 22.6 34.0

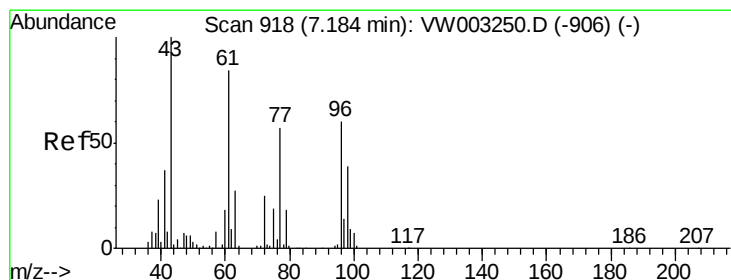
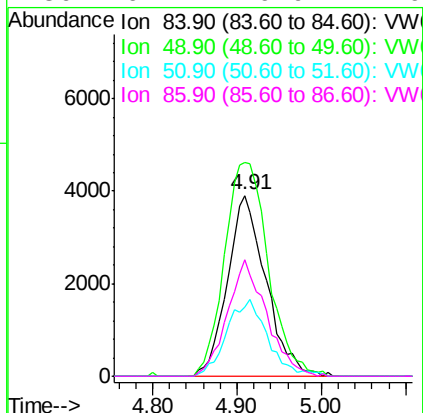
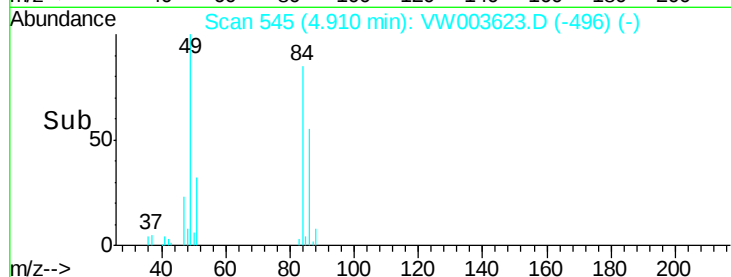
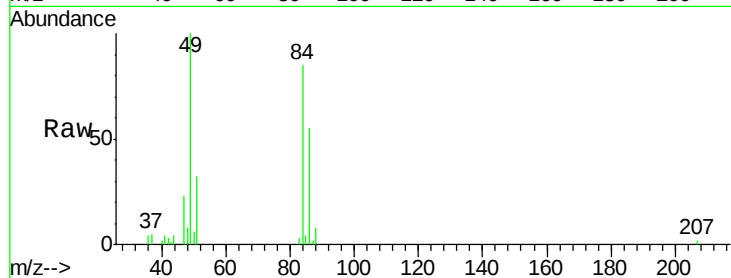




#20
Methvlene Chloride
Concen: 6.452 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

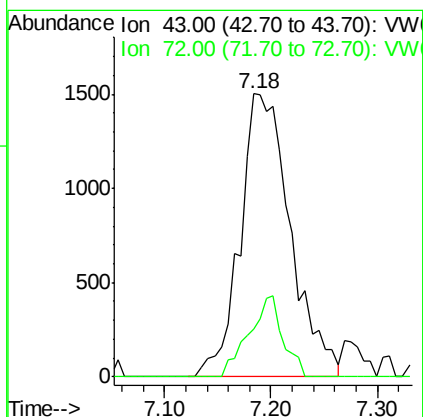
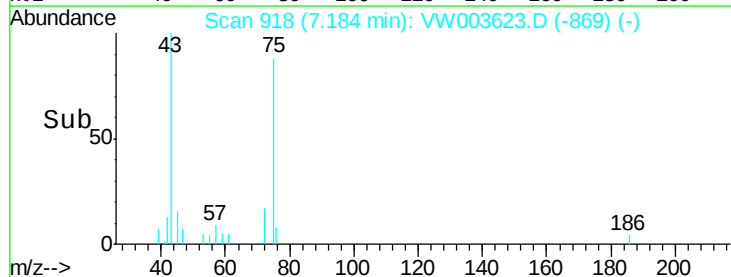
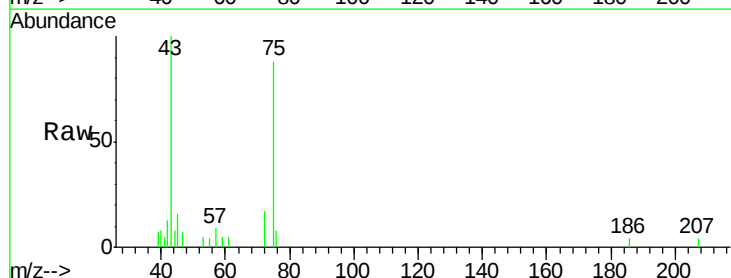
Instrument :
MSVOA_W
ClientSampled :

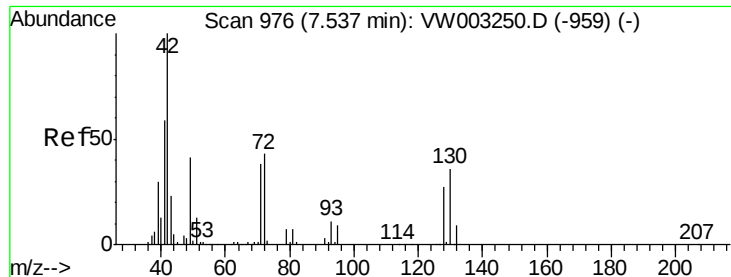
Tot Ion:	84	Resp:	12149
Ion	Ratio	Lower	Upper
84	100		
49	118.1	106.3	159.5
51	38.0	32.0	48.0
86	64.4	49.9	74.9



#25
2-Butanone
Concen: 13.471 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Tgt Ion:	43	Resp:	4965
Ion	Ratio	Lower	Upper
43	100		
72	17.1	20.3	30.5#

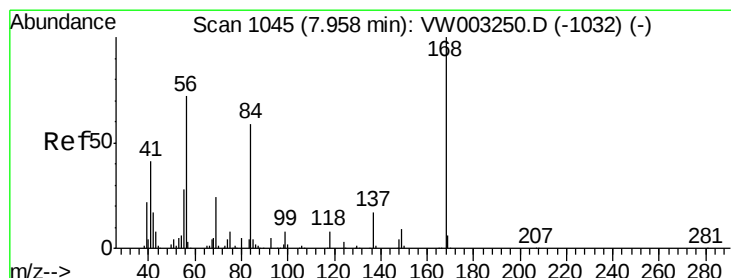
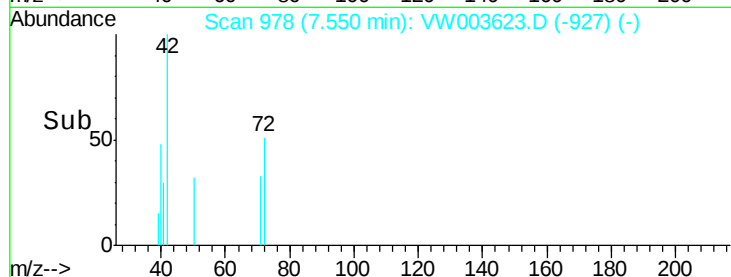
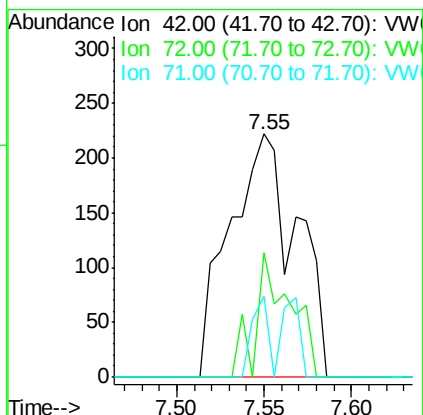
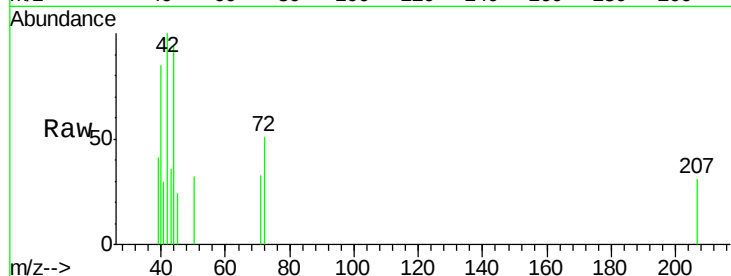




#29
Tetrahydrofuran
Concen: 2.628 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

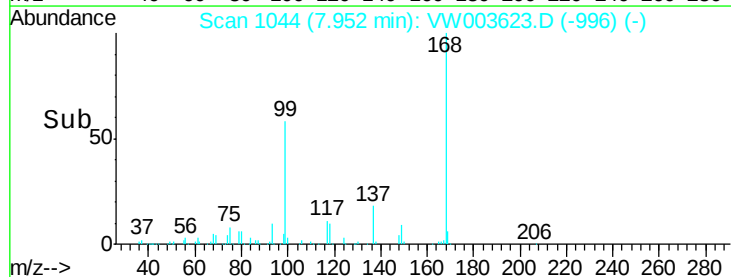
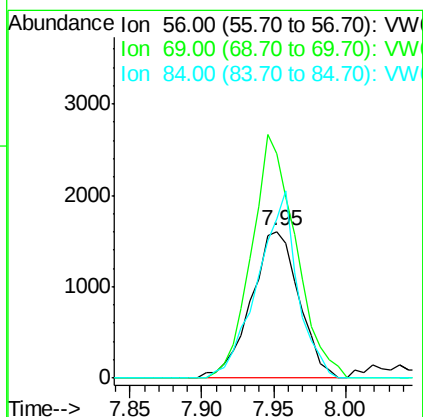
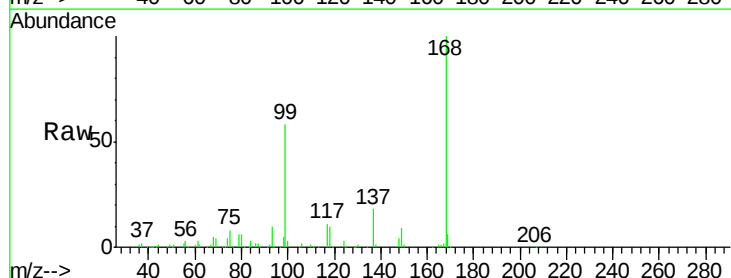
Instrument :
MSVOA_W
ClientSampleId :

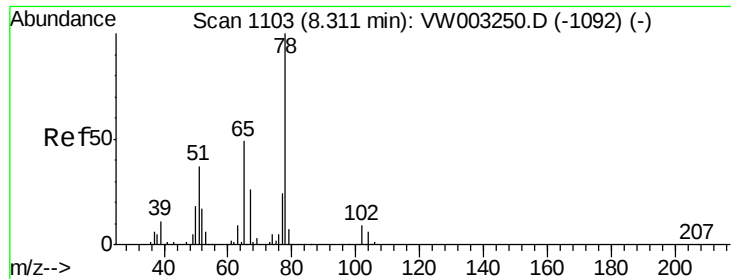
Tot Ion: 42 Resp: 592
Ion Ratio Lower Upper
42 100
72 27.0 32.4 48.6#
71 7.8 31.2 46.8#



#31
Cyclohexane
Concen: 1.621 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Tgt Ion: 56 Resp: 3701
Ion Ratio Lower Upper
56 100
69 152.7 26.3 39.5#
84 108.2 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 40.108 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Instrument :

MSVOA_W

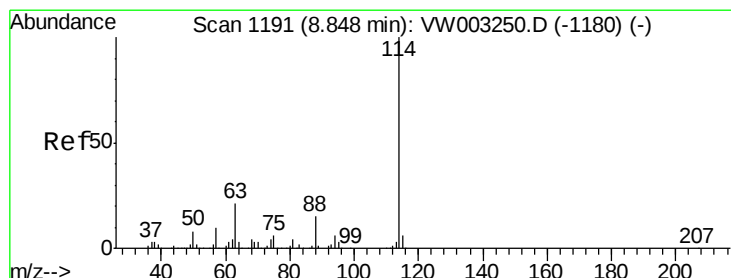
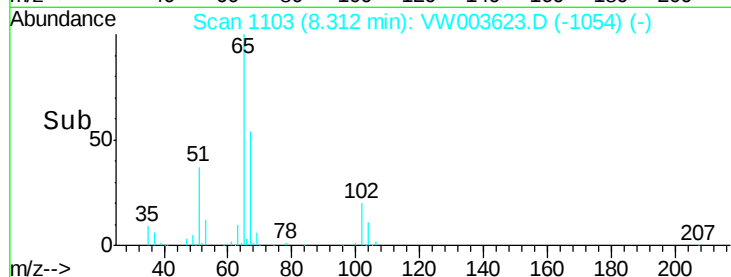
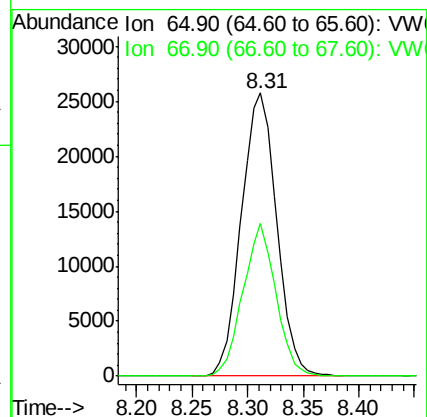
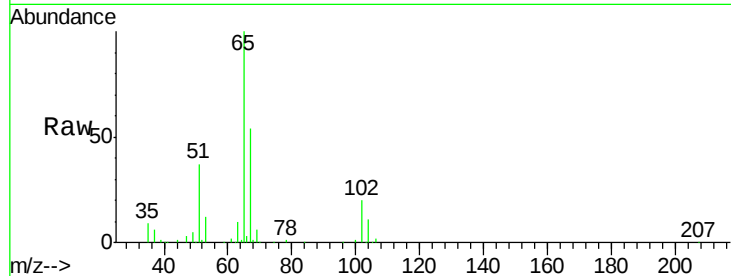
ClientSampleId :

Tot Ion: 65 Resp: 56682

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

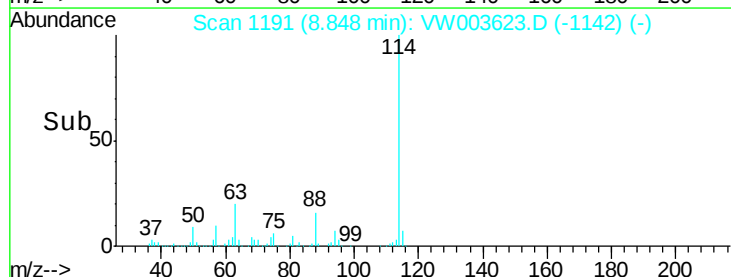
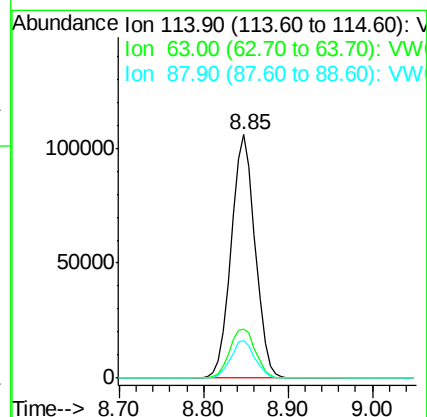
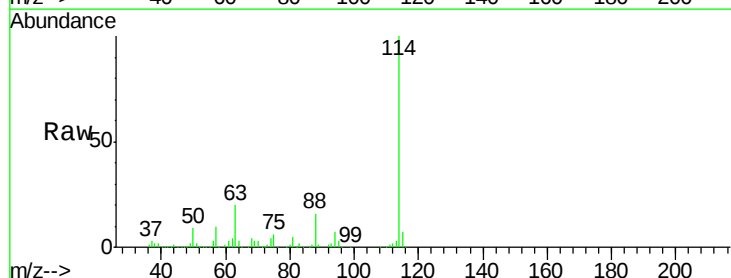
Tgt Ion: 114 Resp: 203966

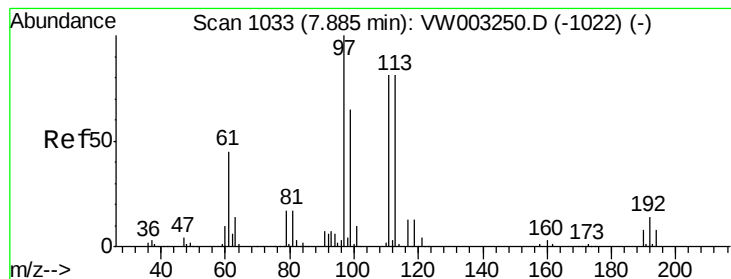
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.0

88 15.6 0.0 29.6





#35

Dibromofluoromethane

Concen: 40.804 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Instrument :
MSVOA_W
ClientSampled :

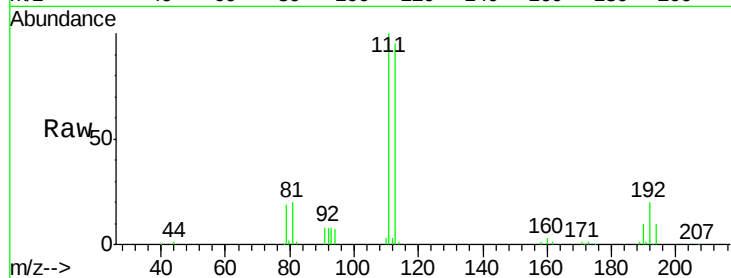
Tot Ion:113 Resp: 51714

Ion Ratio Lower Upper

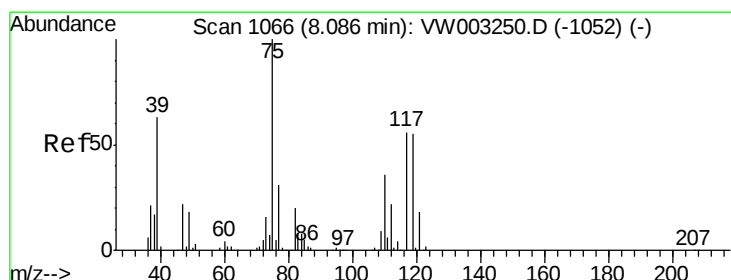
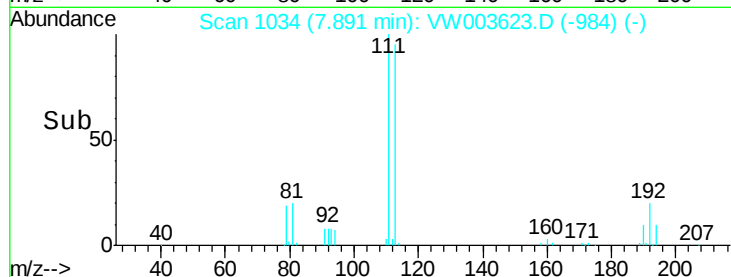
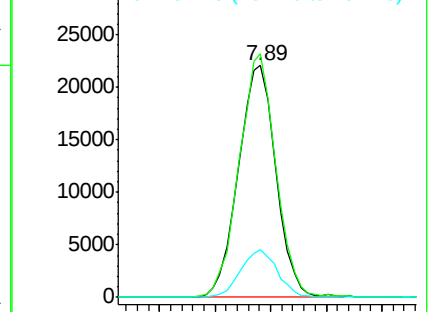
113 100

111 102.8 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: 5.476 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

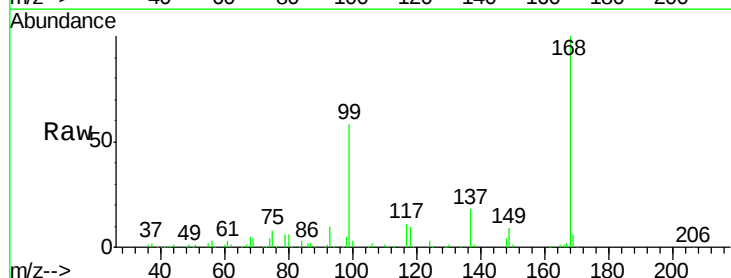
Tgt Ion: 75 Resp: 10786

Ion Ratio Lower Upper

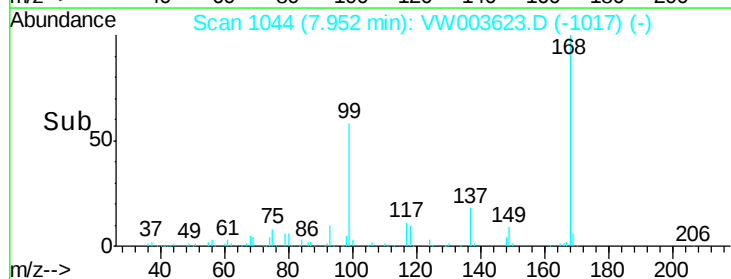
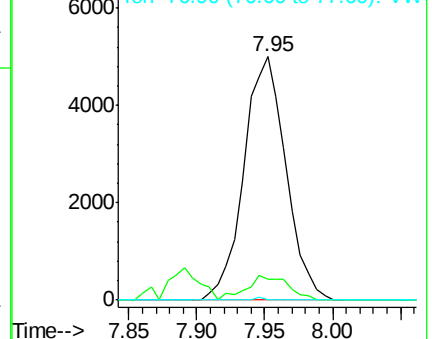
75 100

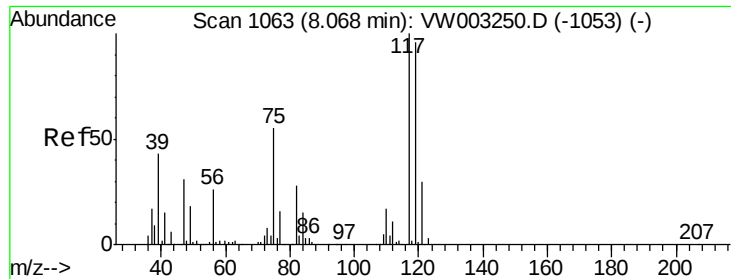
110 9.9 17.1 51.3#

77 0.2 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

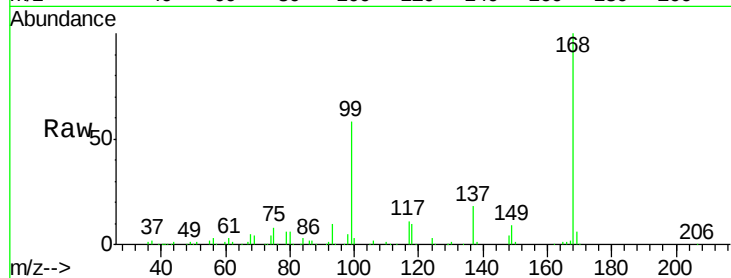




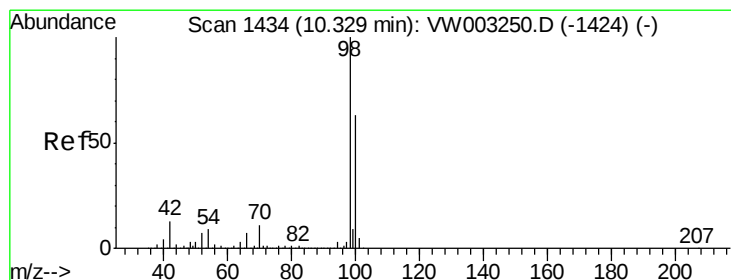
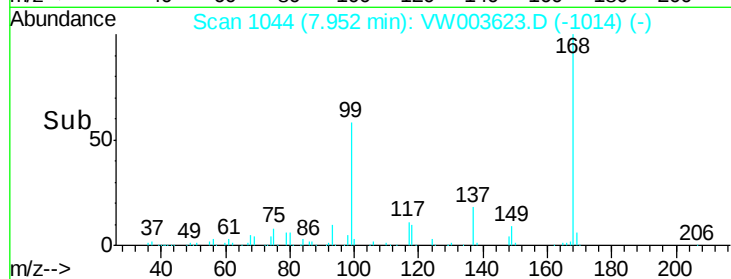
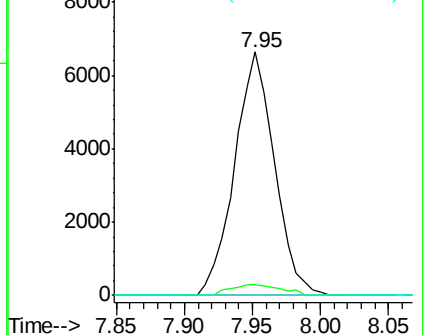
#38
Carbon Tetrachloride
Concen: 7.048 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 13617
Ion Ratio Lower Upper
117 100
119 4.3 76.6 115.0#
121 0.0 23.9 35.9#

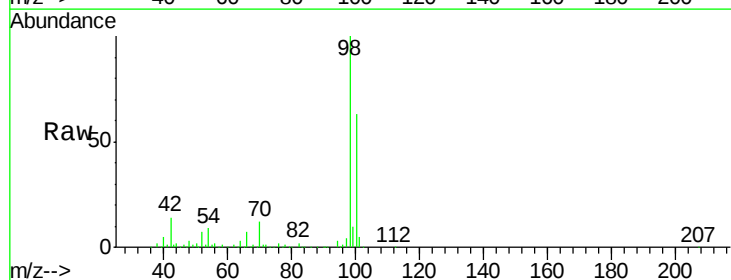


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

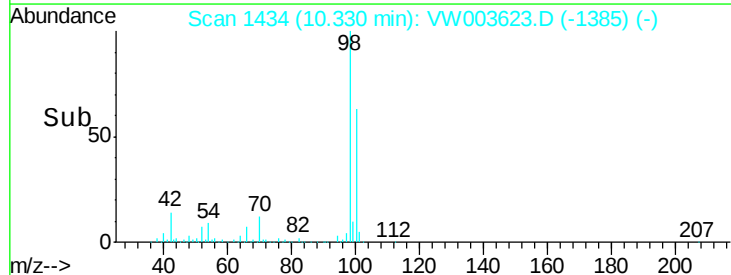
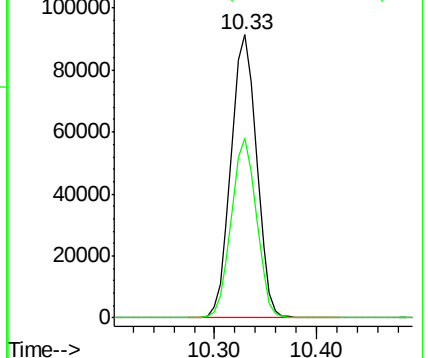


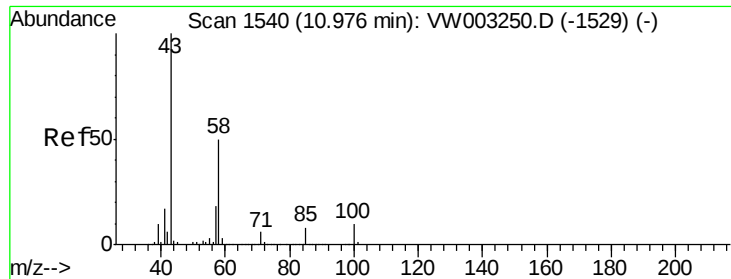
#50
Toluene-d8
Concen: 31.661 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003623.D
Acq: 27 Jun 2018 19:24

Tgt Ion: 98 Resp: 159111
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#59

2-Hexanone

Concen: 1.163 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.03 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Instrument :

MSVOA_W

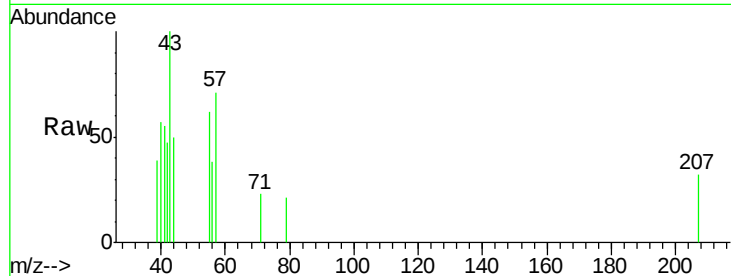
ClientSampled :

Tot Ion: 43 Resp: 671

Ion Ratio Lower Upper

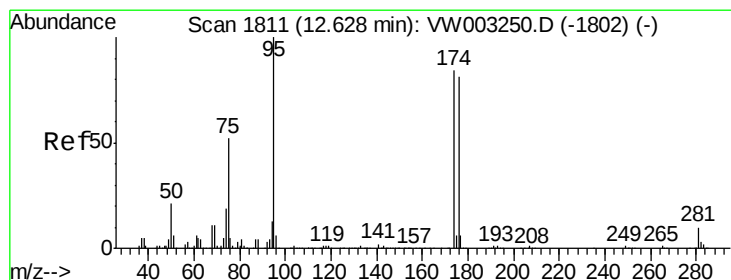
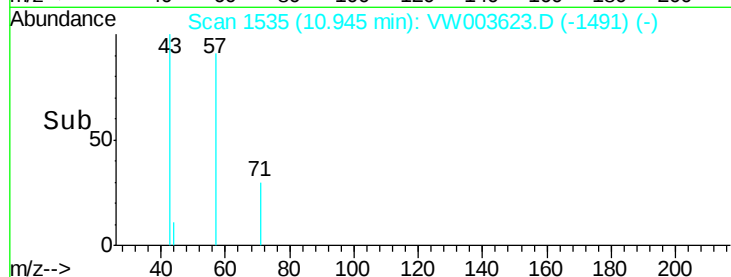
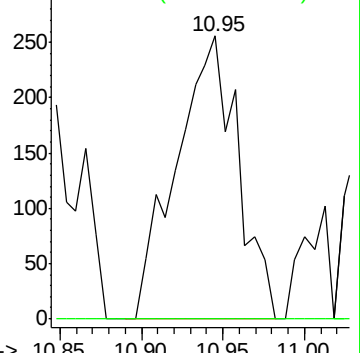
43 100

58 0.0 25.0 75.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 26.716 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

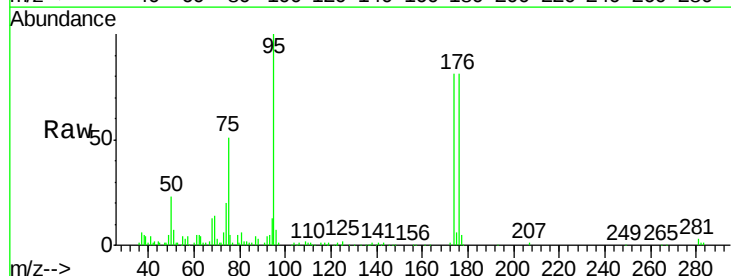
Tgt Ion: 95 Resp: 47513

Ion Ratio Lower Upper

95 100

174 80.6 0.0 166.4

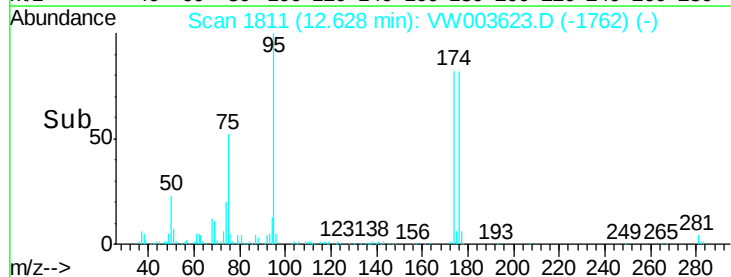
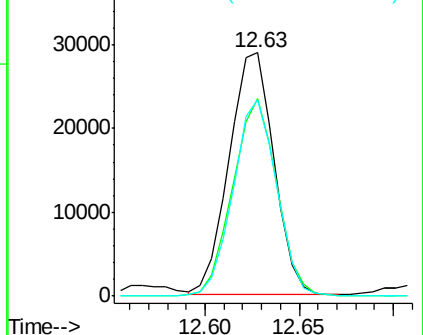
176 78.7 0.0 162.0

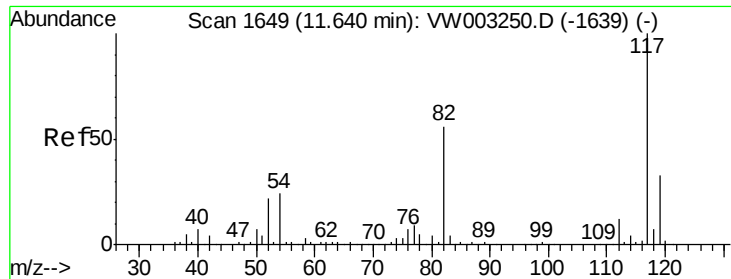


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

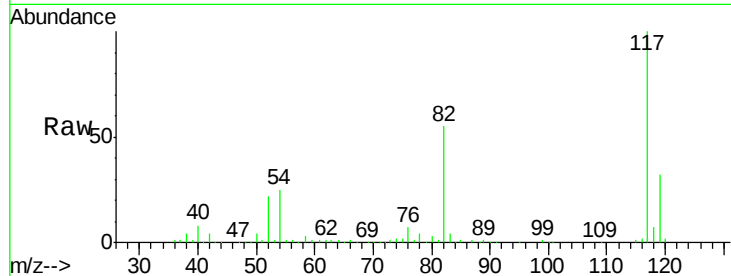




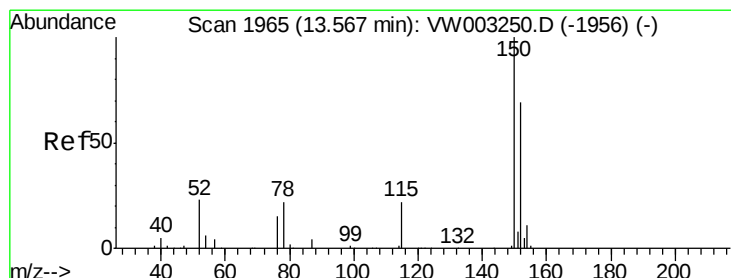
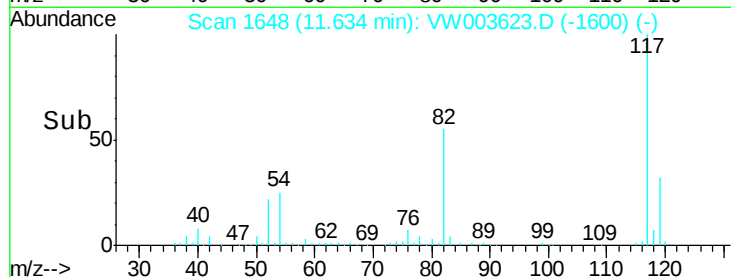
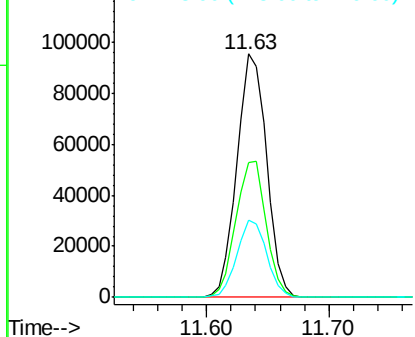
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: VW003623.D
 Acq: 27 Jun 2018 19:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:117 Resp: 160558
 Ion Ratio Lower Upper
 117 100
 82 55.4 44.6 67.0
 119 31.7 26.7 40.1

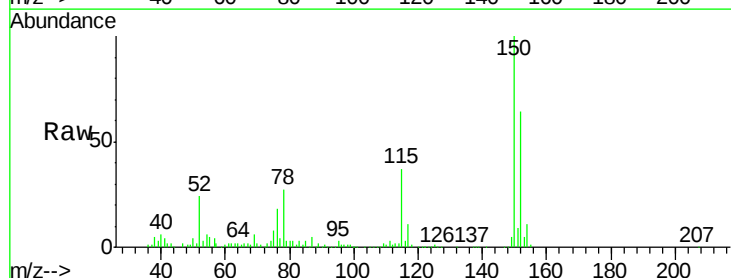


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

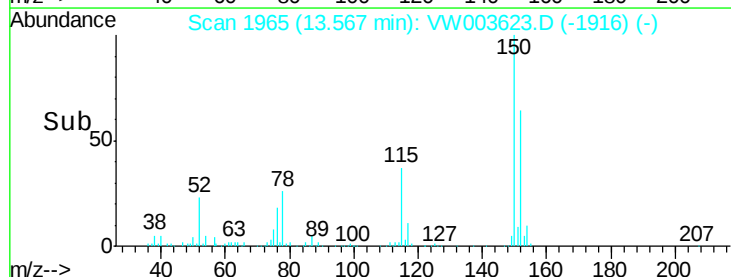
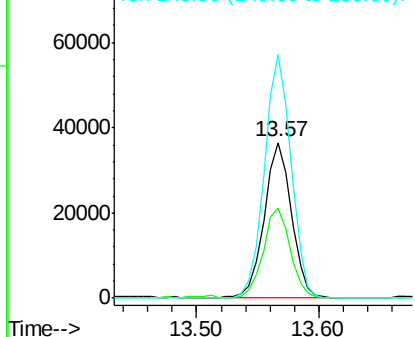


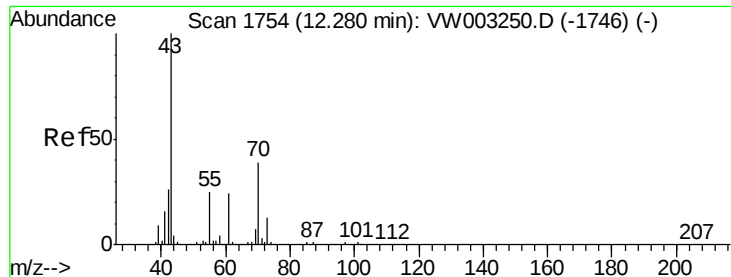
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. 0.00 min
 Lab File: VW003623.D
 Acq: 27 Jun 2018 19:24

Tgt Ion:152 Resp: 56380
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.3 88.0
 150 154.4 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





#74

N-amvl acetate

Concen: 1.480 ug/l

RT: 12.23 min Scan# 1746

Delta R.T. -0.05 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 1321

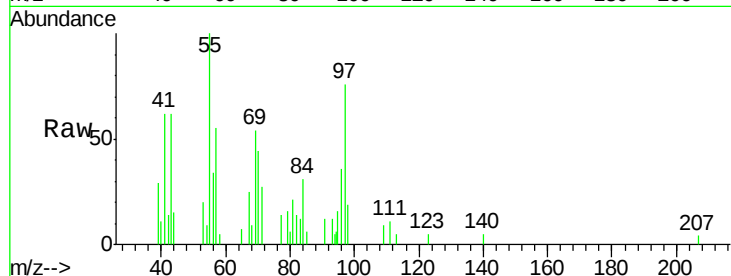
Ion Ratio Lower Upper

43 100

70 96.1 31.0 46.6#

55 212.3 19.7 29.5#

61 0.0 18.1 27.1#

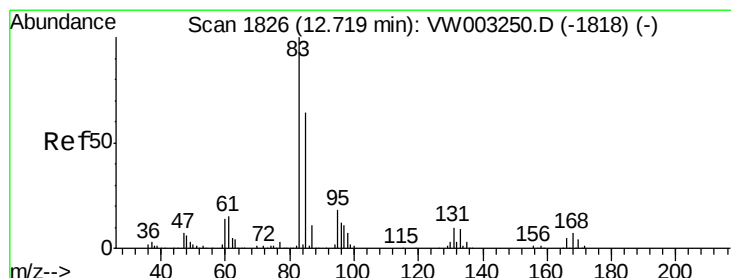
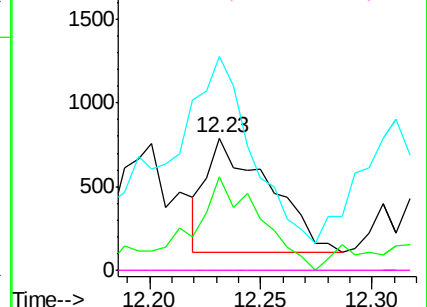
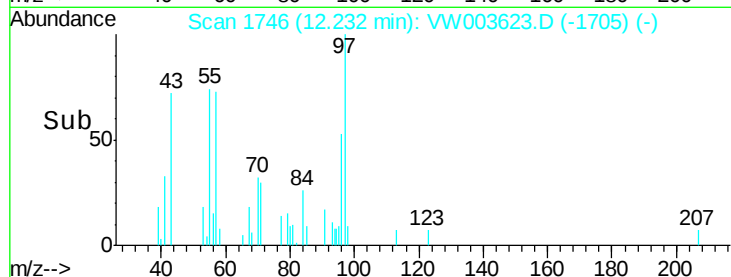


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 2.097 ug/l

RT: 12.68 min Scan# 1820

Delta R.T. -0.04 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

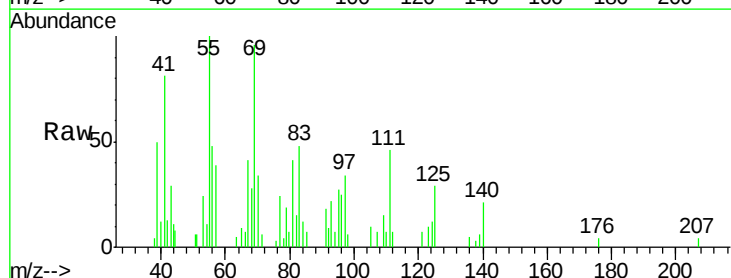
Tgt Ion: 83 Resp: 1391

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

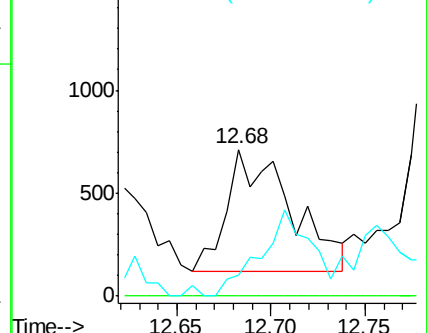
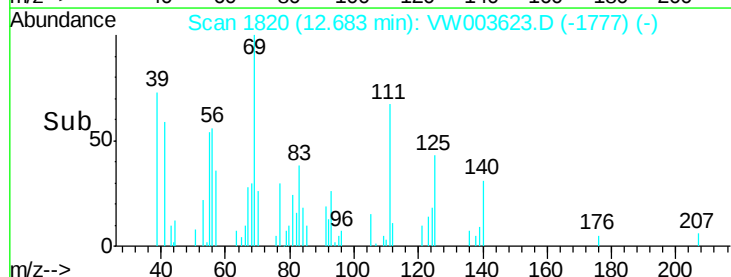
85 0.0 31.9 95.7#

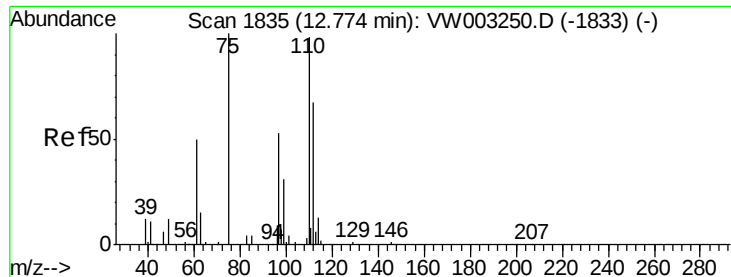


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 52.838 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Instrument :

MSVOA_W

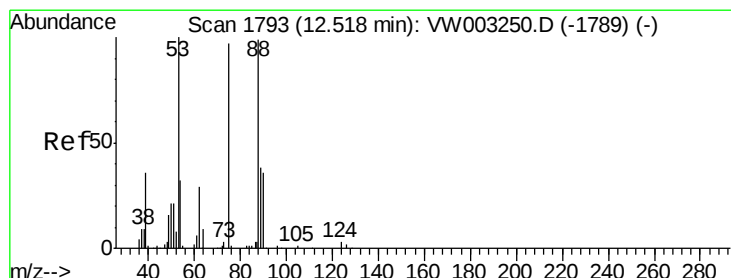
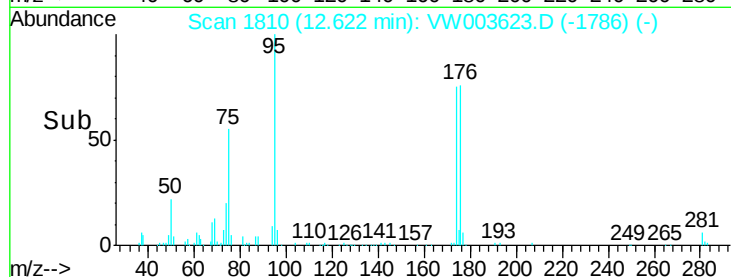
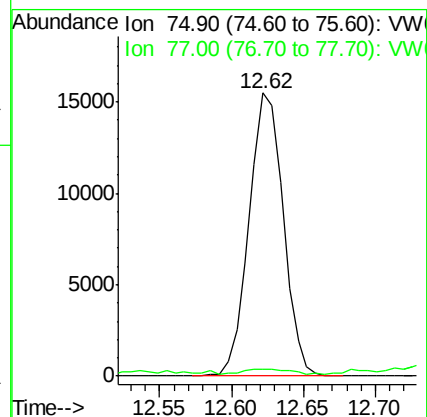
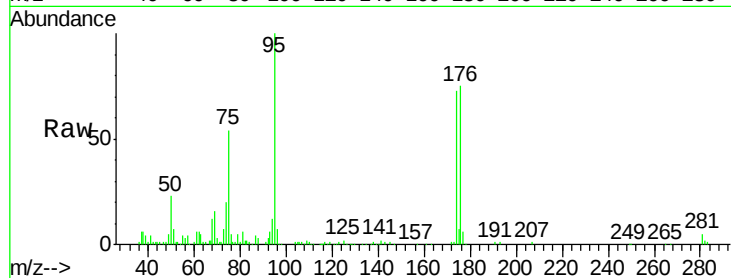
ClientSampleId :

Tot Ion: 75 Resp: 25467

Ion Ratio Lower Upper

75 100

77 2.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.583 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

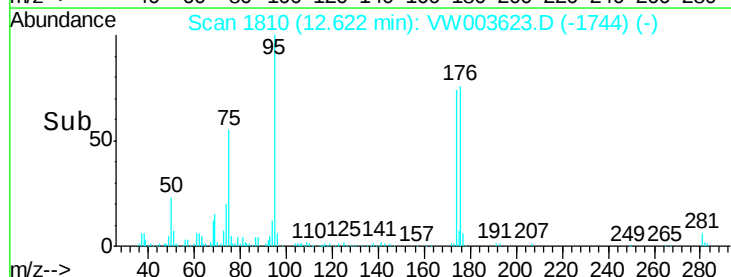
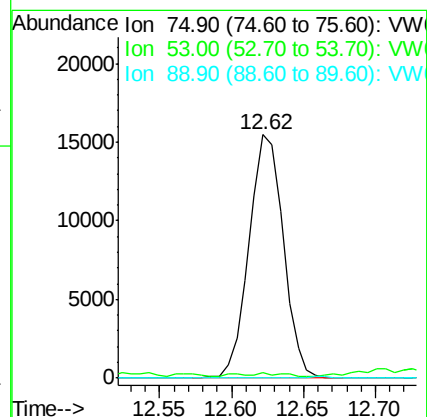
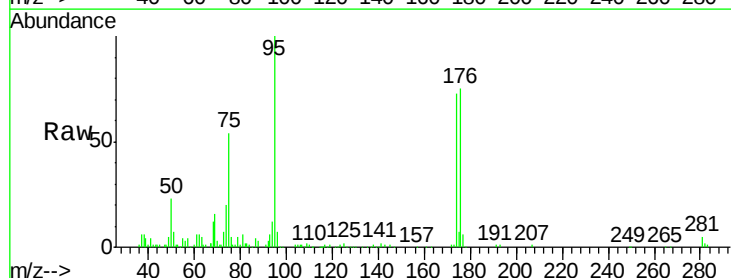
Tgt Ion: 75 Resp: 25467

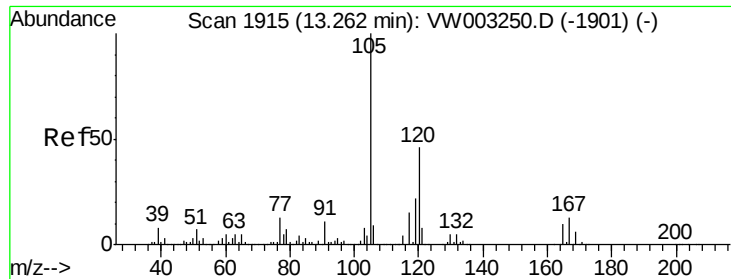
Ion Ratio Lower Upper

75 100

53 1.8 82.9 124.3#

89 0.0 36.7 55.1#

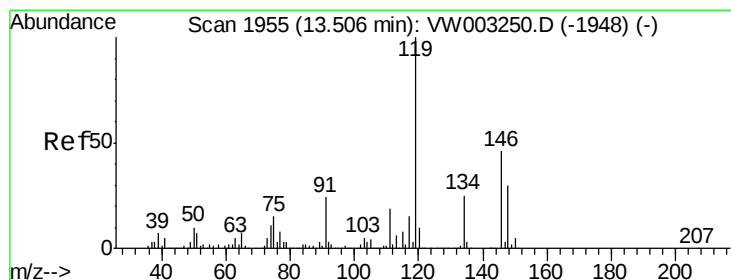
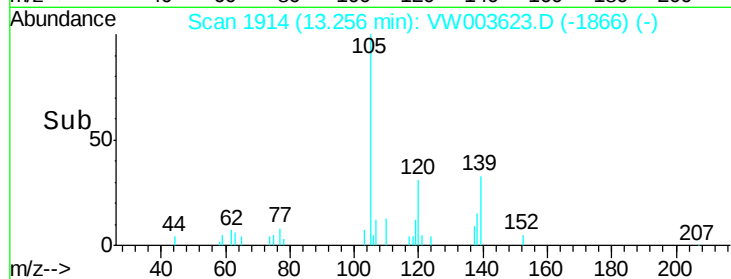
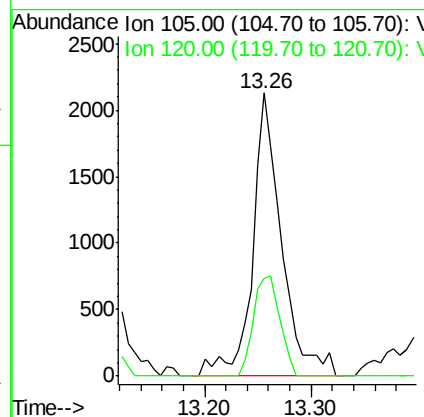
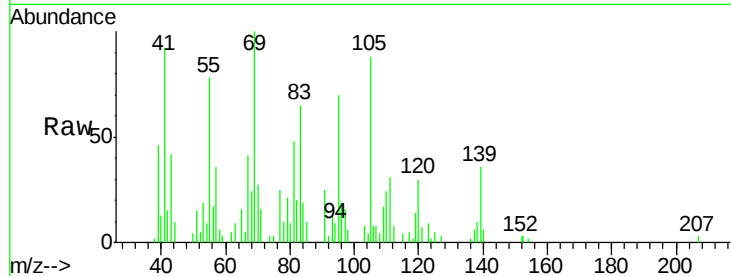




#84
 1,2,4-Trimethylbenzene
 Concen: 1.193 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW003623.D
 Acq: 27 Jun 2018 19:24

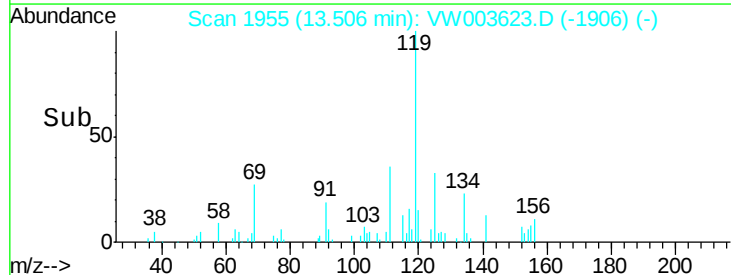
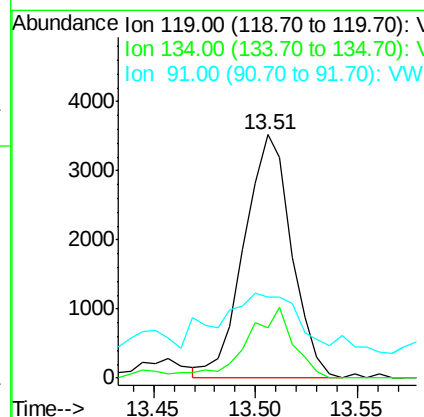
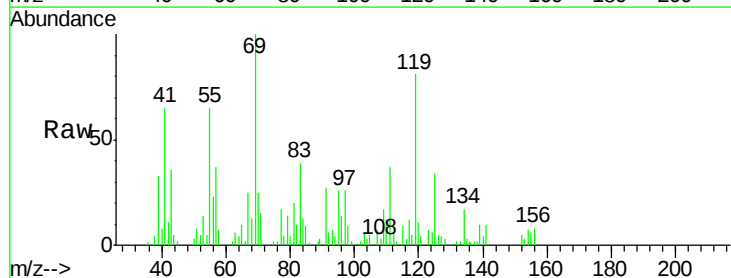
Instrument :
 MSVOA_W
 ClientSampleId :

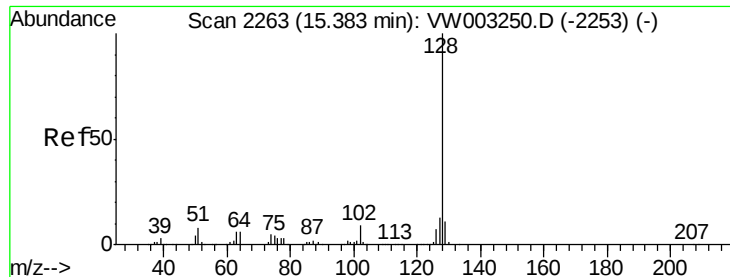
Tot Ion:105 Resp: 4039
 Ion Ratio Lower Upper
 105 100
 120 32.4 22.5 67.5



#86
 p-Isopropyltoluene
 Concen: 1.553 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003623.D
 Acq: 27 Jun 2018 19:24

Tgt Ion:119 Resp: 5711
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.9 38.7
 91 49.8 11.8 35.3#





#95

Naphthalene

Concen: 123.229 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003623.D

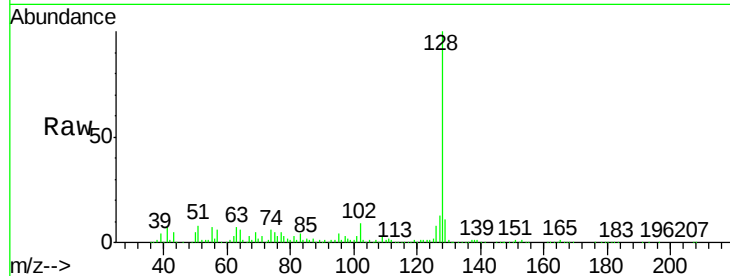
Acq: 27 Jun 2018 19:24

Instrument :

MSVOA_W

ClientSampleId :

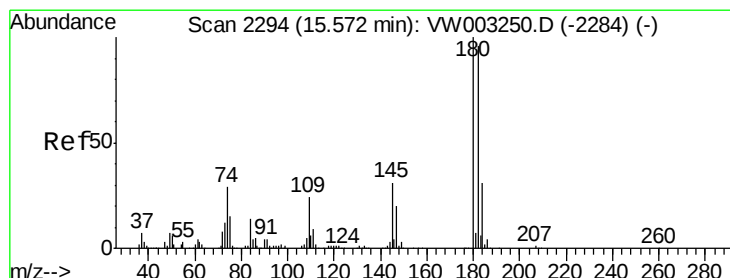
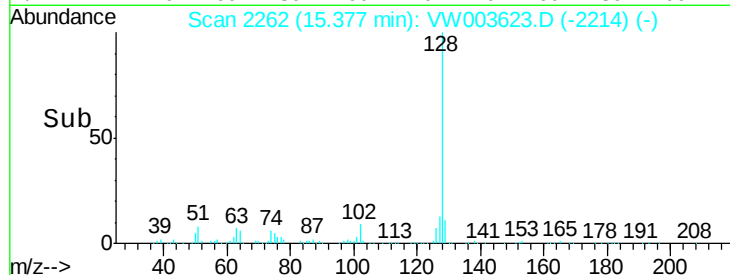
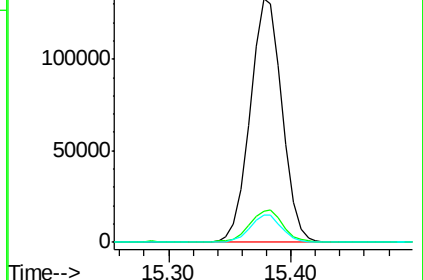
Tot Ion:128	Resp:	241161
Ion	Ratio	Lower Upper
128	100	
127	14.1	10.5 15.7
129	11.3	8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.088 ug/l

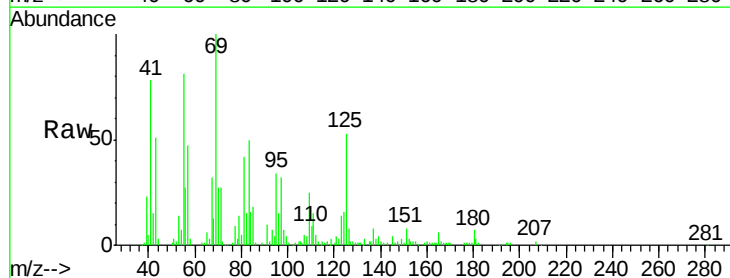
RT: 15.59 min Scan# 2297

Delta R.T. 0.02 min

Lab File: VW003623.D

Acq: 27 Jun 2018 19:24

Tgt Ion:180	Resp:	1105
Ion	Ratio	Lower Upper
180	100	
182	0.0	47.9 143.6#
145	0.0	15.8 47.4#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

