

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061518\
 Data File : VW003302.D
 Acq On : 15 Jun 2018 19:44
 Operator : SY/AP
 Sample : J3444-02RE
 Misc : 5.51G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 16 03:49:19 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	176646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	280641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	248144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	112790	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127697	66.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.48%	
35) Dibromofluoromethane	7.88	113	107284	61.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.04%	
50) Toluene-d8	10.33	98	386384	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.63	95	122425	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

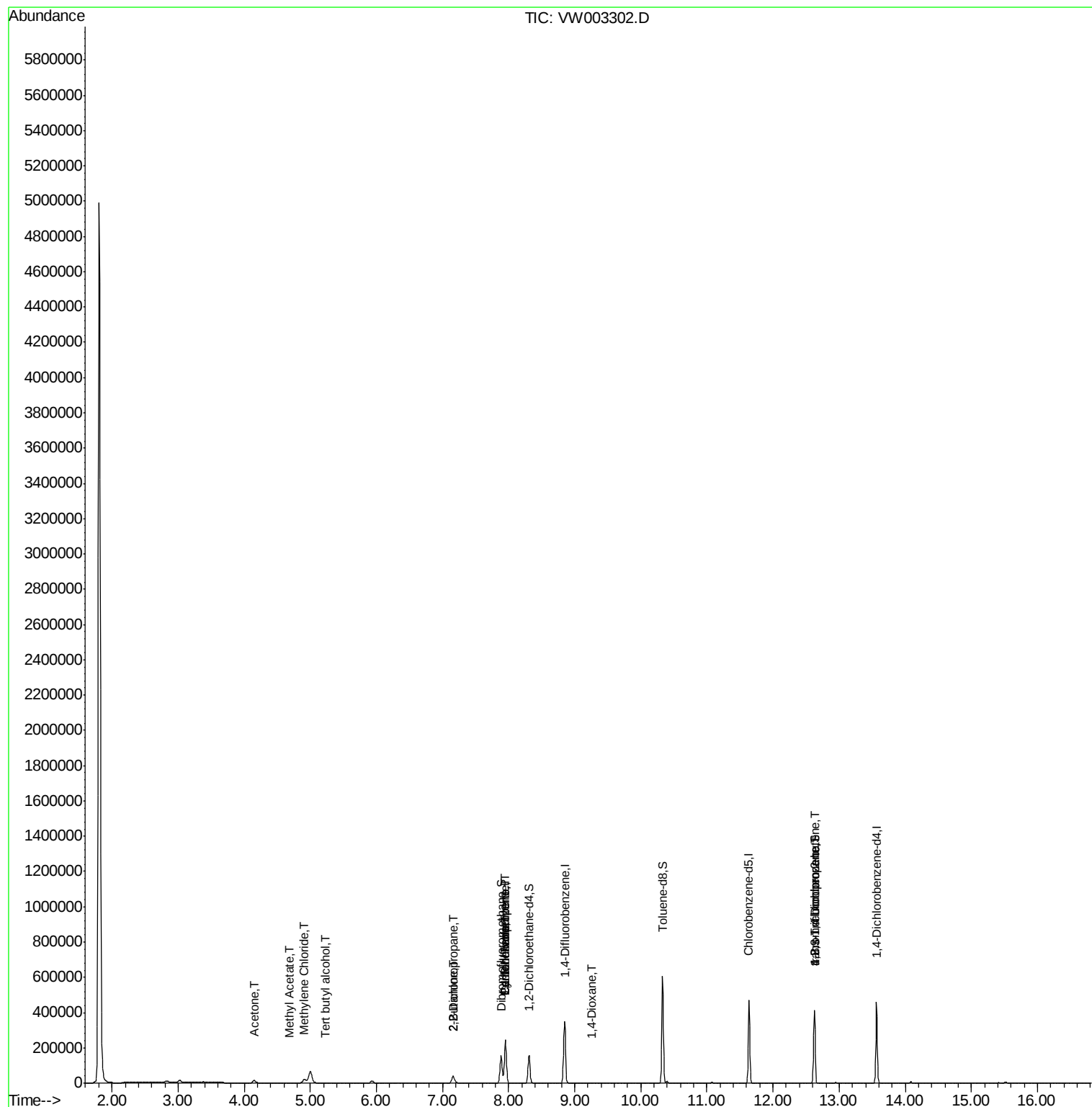
					Qvalue	
11) Tert butyl alcohol	5.23	59	651	6.344	ug/l #	25
16) Acetone	4.15	43	30534	76.090	ug/l	100
18) Methyl Acetate	4.68	43	985	1.035	ug/l	100
20) Methylene Chloride	4.90	84	16331	6.378	ug/l	95
25) 2-Butanone	7.17	43	2703	5.417	ug/l #	72
26) 2,2-Dichloropropane	7.15	77	2947	1.334	ug/l #	53
31) Cyclohexane	7.95	56	4836	1.564	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	14709	5.427	ug/l #	49
38) Carbon Tetrachloride	7.95	117	17318	6.514	ug/l #	16
49) 1,4-Dioxane	9.27	88	31	2.108	ug/l #	20
76) 1,2,3-Trichloropropane	12.62	75	66497	68.964	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	66497	158.691	ug/l #	8

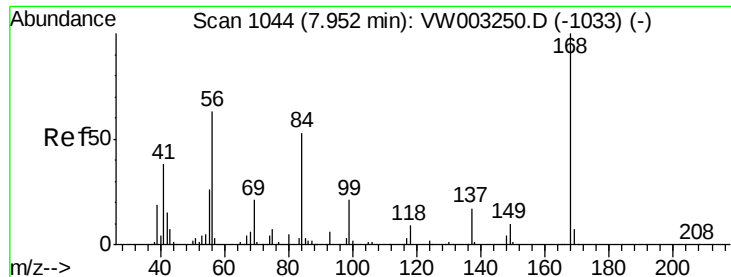
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003302.D

Acq: 15 Jun 2018 19:44

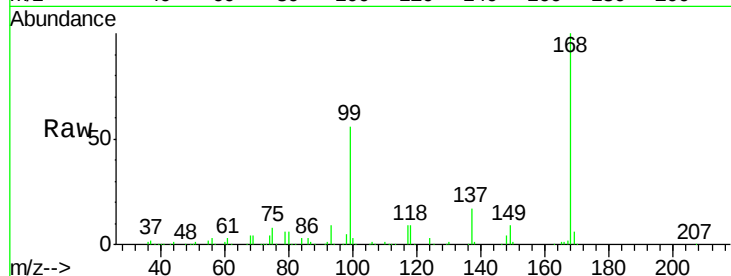
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 176646

Ion Ratio Lower Upper

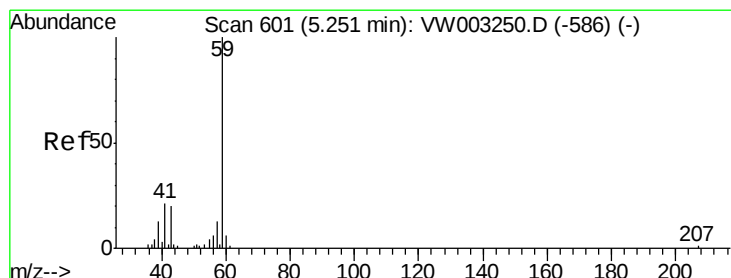
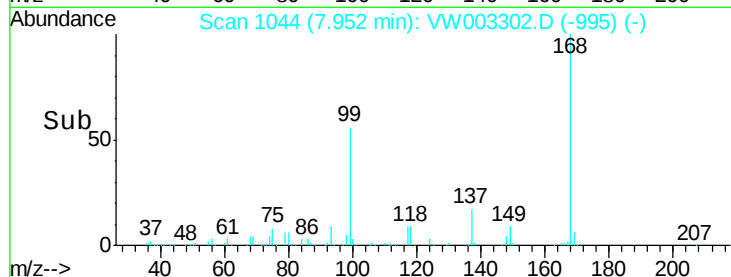
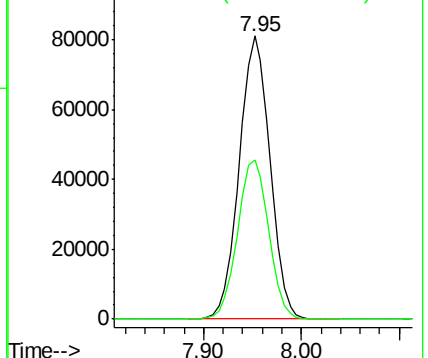
168 100

99 56.3 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: 6.344 ug/l

RT: 5.23 min Scan# 598

Delta R.T. -0.02 min

Lab File: VW003302.D

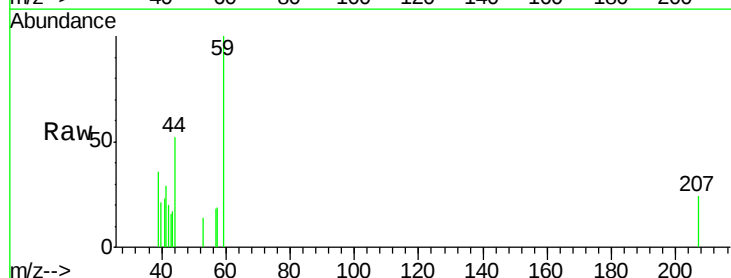
Acq: 15 Jun 2018 19:44

Tgt Ion: 59 Resp: 651

Ion Ratio Lower Upper

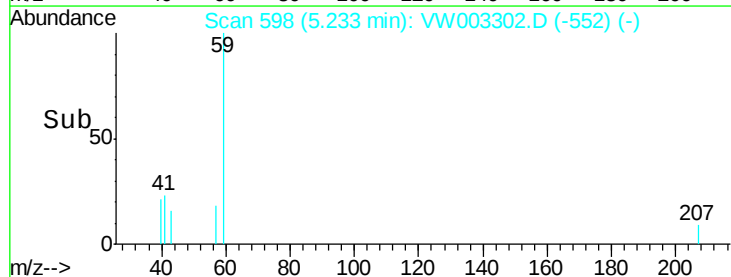
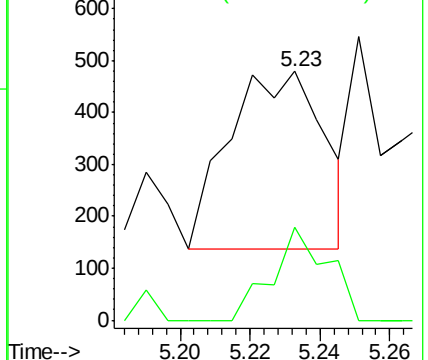
59 100

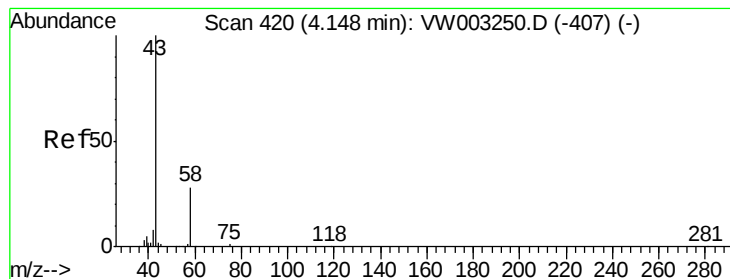
57 30.1 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 76.090 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

Instrument :

MSVOA_W

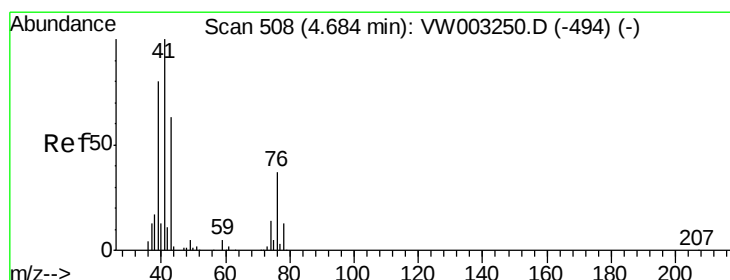
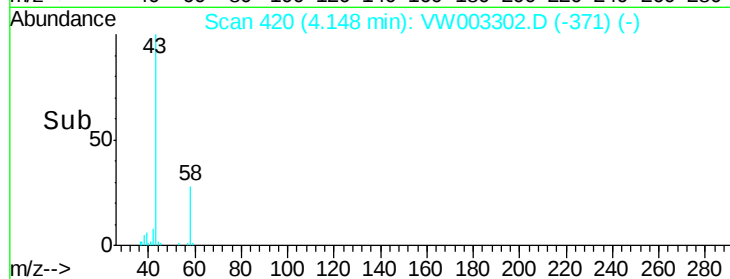
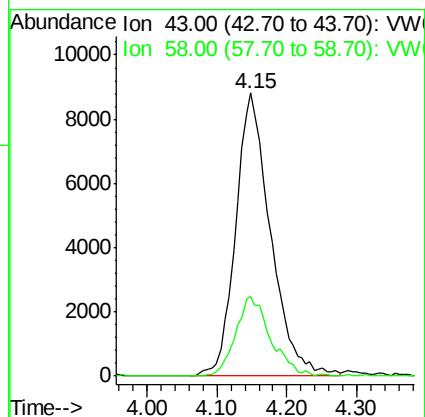
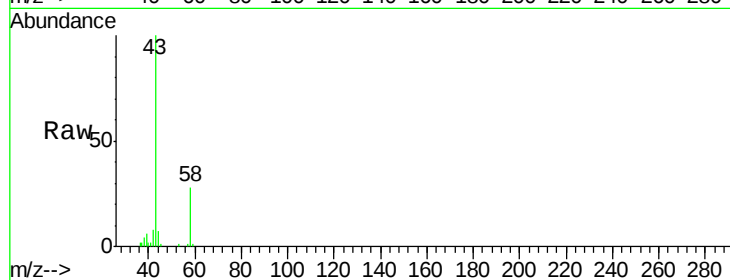
ClientSampleId :

Tot Ion: 43 Resp: 30534

Ion Ratio Lower Upper

43 100

58 28.2 22.6 34.0



#18

Methyl Acetate

Concen: 1.035 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003302.D

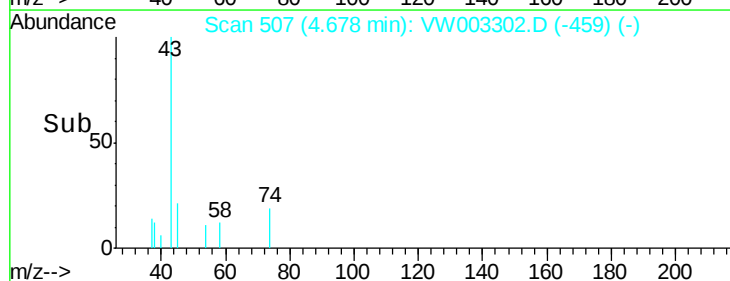
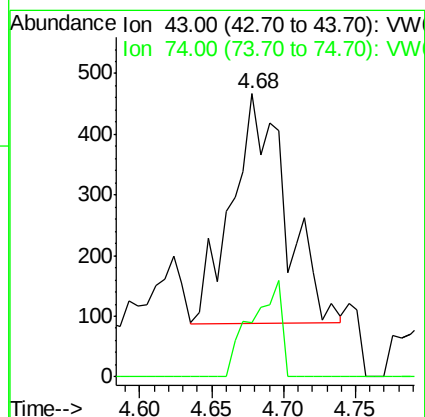
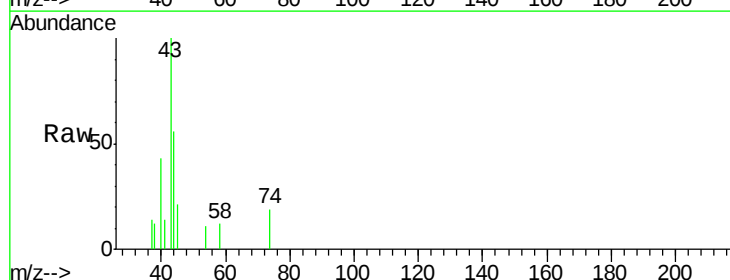
Acq: 15 Jun 2018 19:44

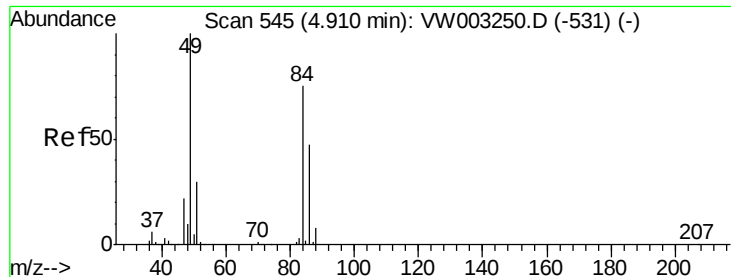
Tgt Ion: 43 Resp: 985

Ion Ratio Lower Upper

43 100

74 23.6 18.7 28.1

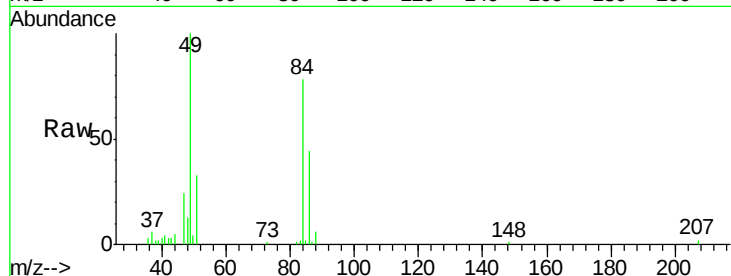




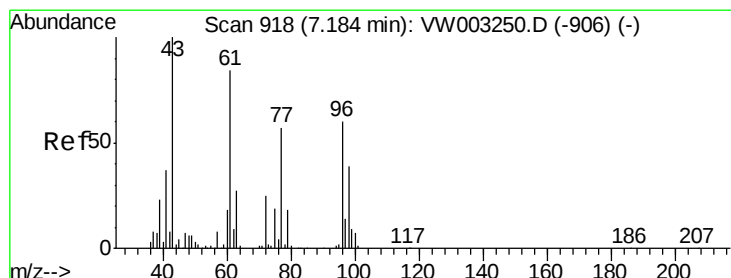
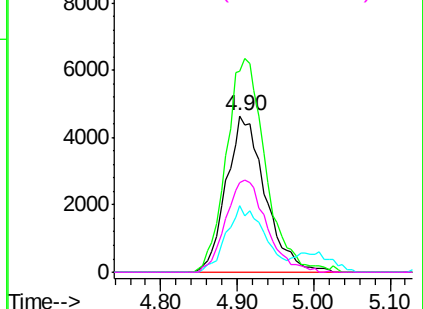
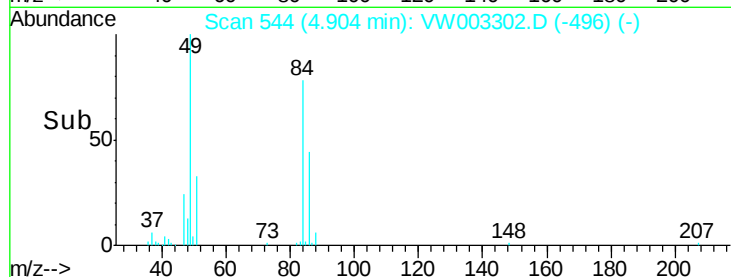
#20
Methvlene Chloride
Concen: 6.378 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 16331
Ion Ratio Lower Upper
84 100
49 128.7 106.3 159.5
51 42.9 32.0 48.0
86 57.1 49.9 74.9

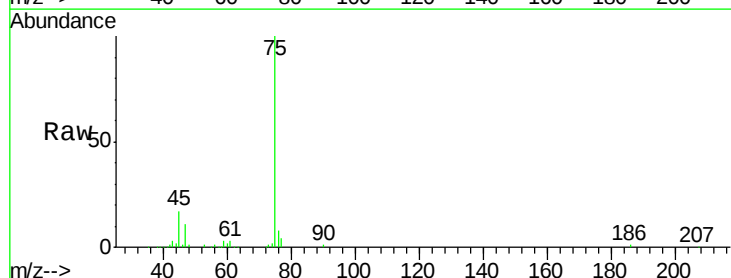


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

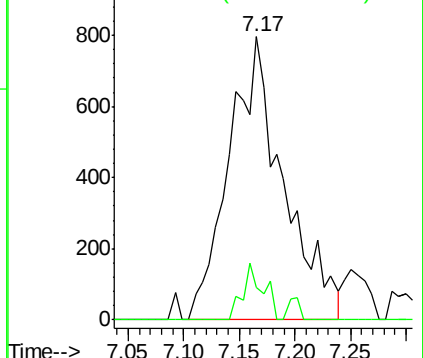
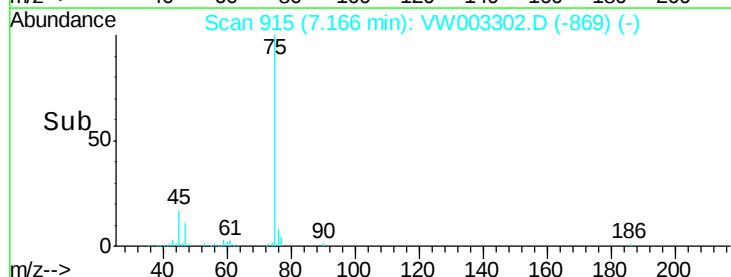


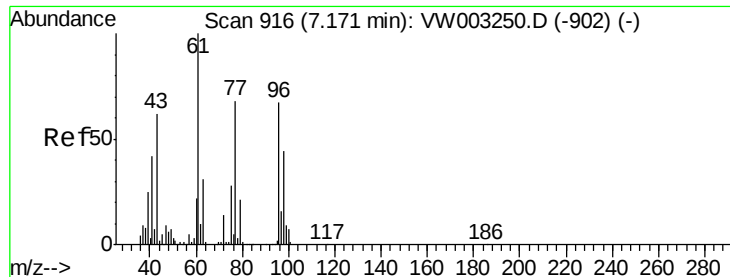
#25
2-Butanone
Concen: 5.417 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.02 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
72 11.4 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.334 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.02 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

Instrument :

MSVOA_W

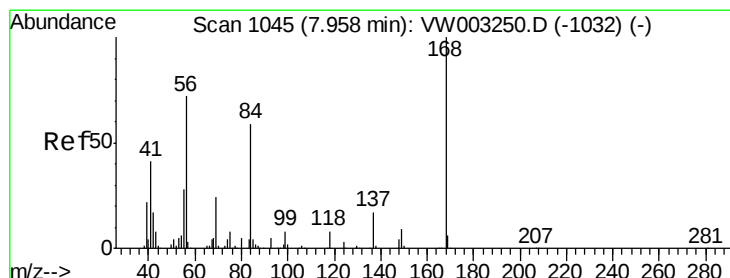
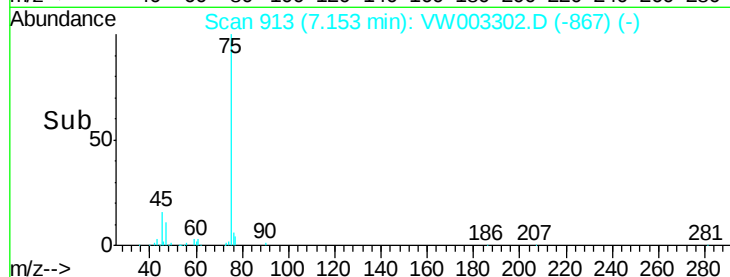
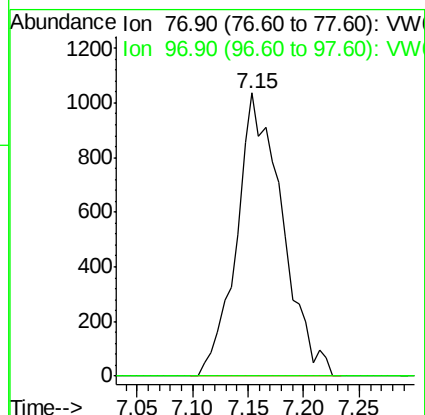
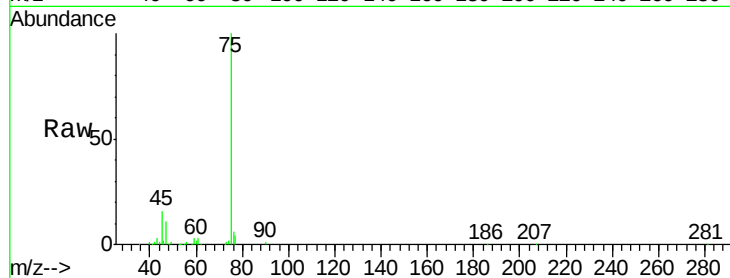
ClientSampleId :

Tot Ion: 77 Resp: 2947

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.9#



#31

Cyclohexane

Concen: 1.564 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

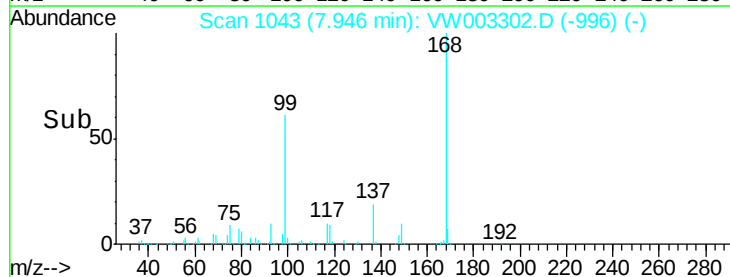
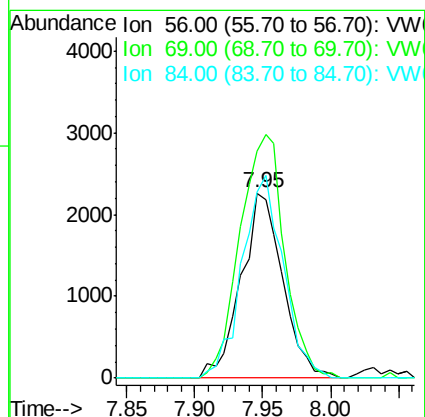
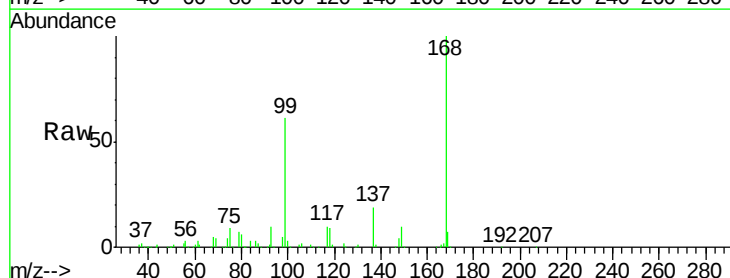
Tgt Ion: 56 Resp: 4836

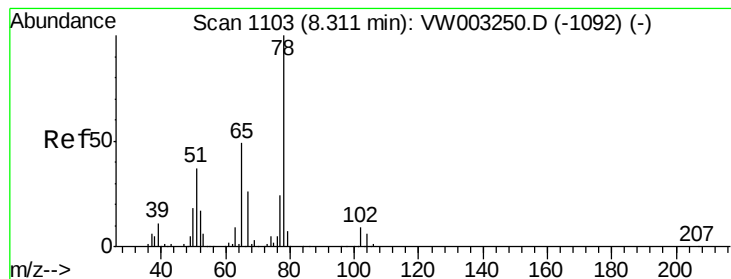
Ion Ratio Lower Upper

56 100

69 122.3 26.3 39.5#

84 100.7 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 66.740 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

Instrument :

MSVOA_W

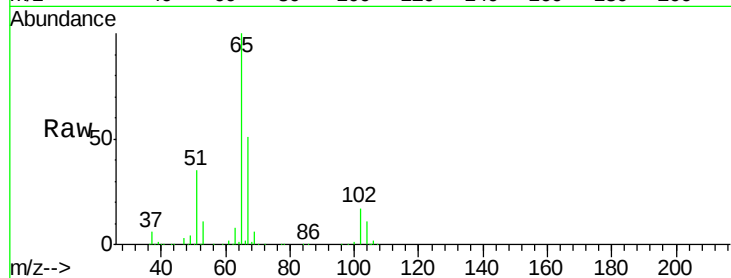
ClientSampleId :

Tot Ion: 65 Resp: 127697

Ion Ratio Lower Upper

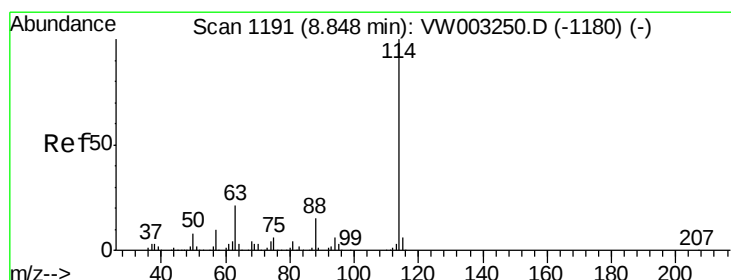
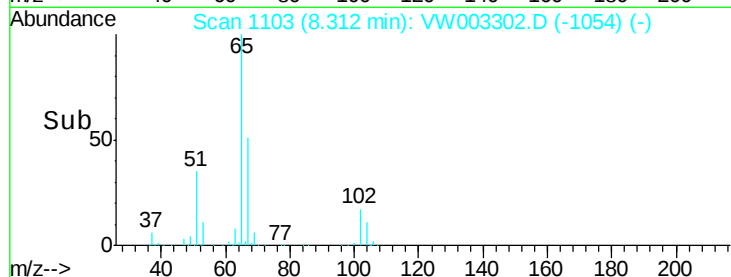
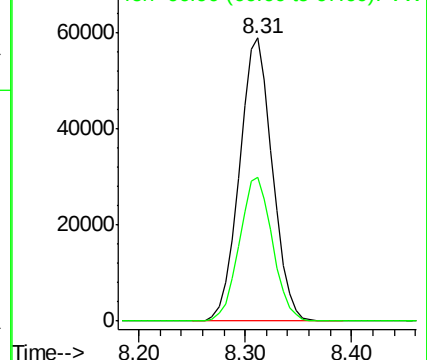
65 100

67 51.2 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: VW003302.D

Acq: 15 Jun 2018 19:44

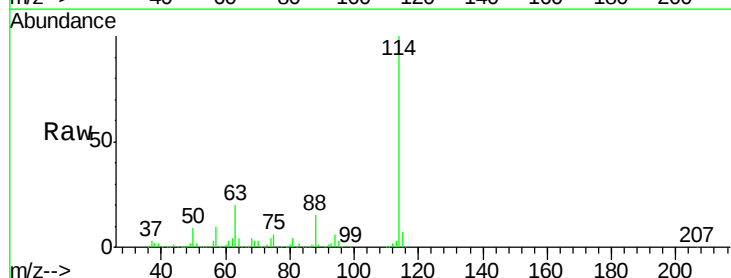
Tgt Ion: 114 Resp: 280641

Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.0

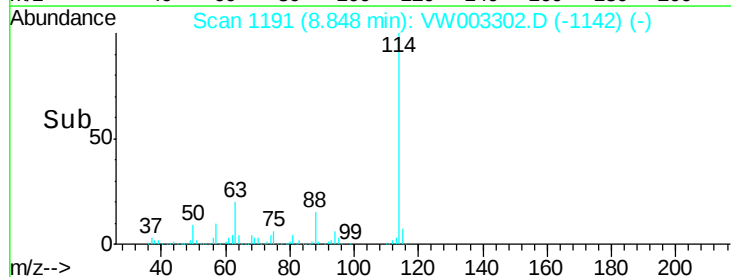
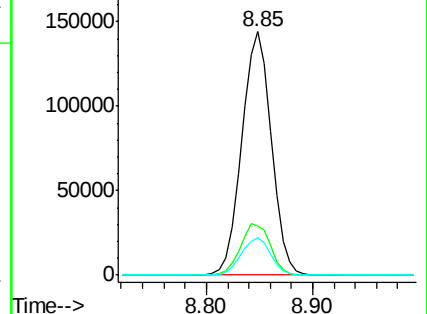
88 15.2 0.0 29.6

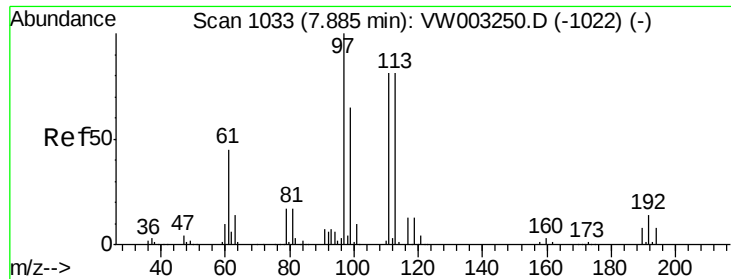


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

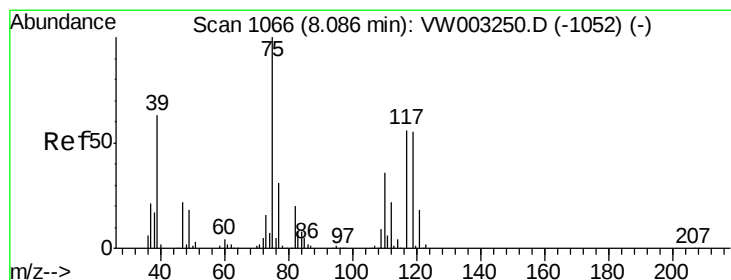
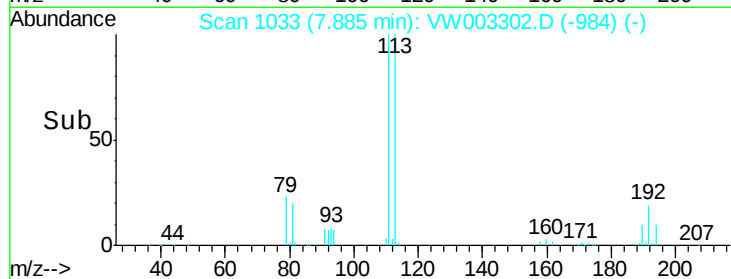
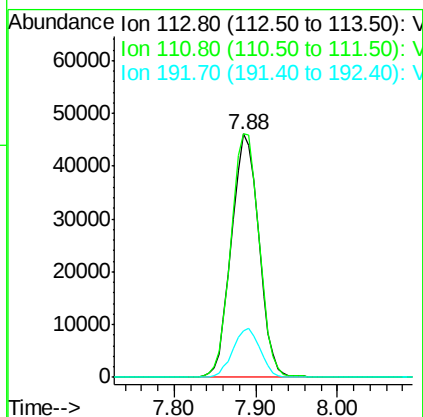
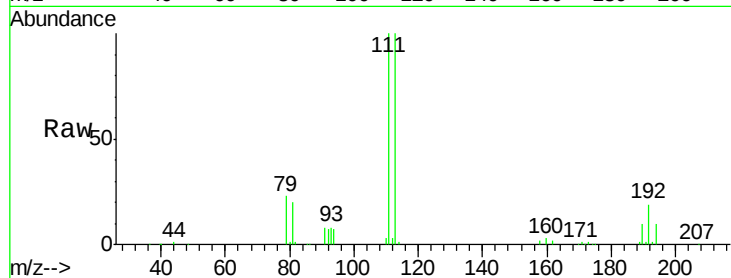




#35
 Dibromofluoromethane
 Concen: 61.522 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003302.D
 Acq: 15 Jun 2018 19:44

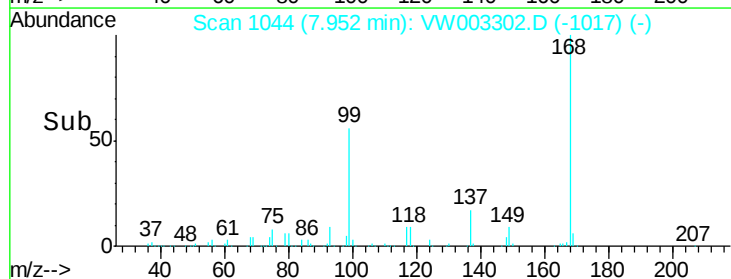
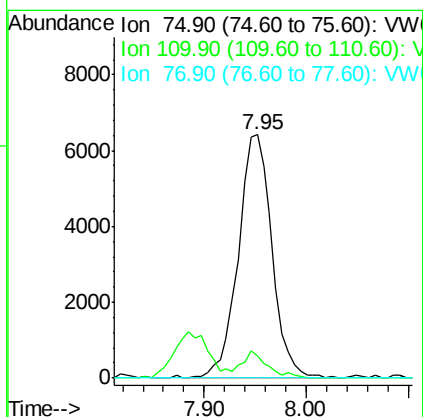
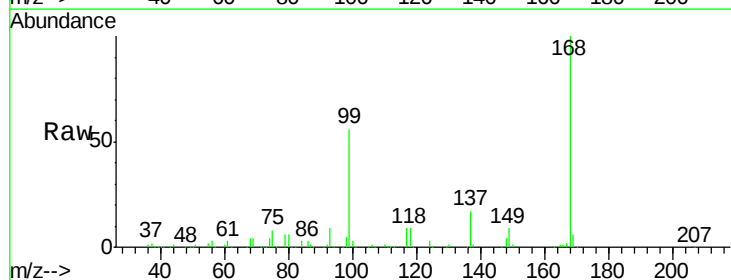
Instrument :
 MSVOA_W
 ClientSampleId :

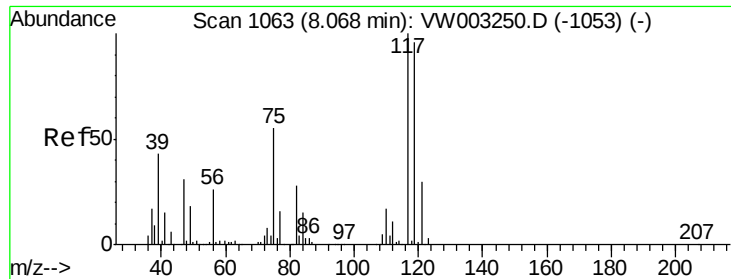
Tot Ion:113 Resp: 107284
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.427 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003302.D
 Acq: 15 Jun 2018 19:44

Tgt Ion: 75 Resp: 14709
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.1 51.3#
 77 0.0 24.9 37.3#

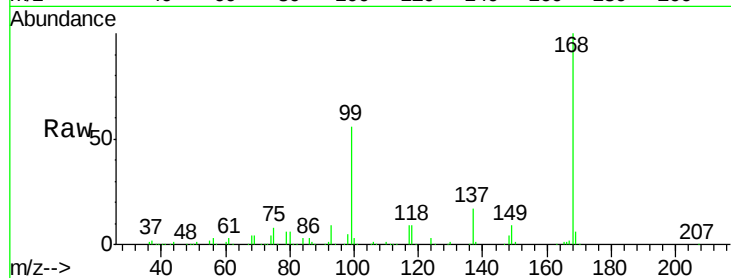




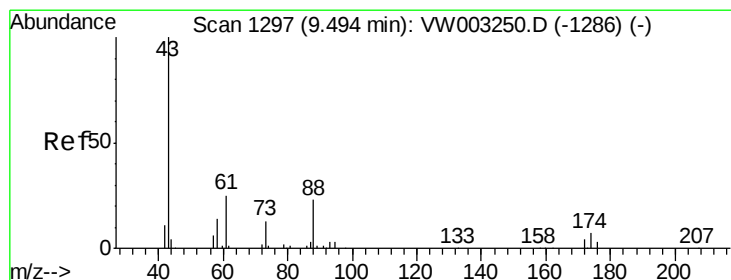
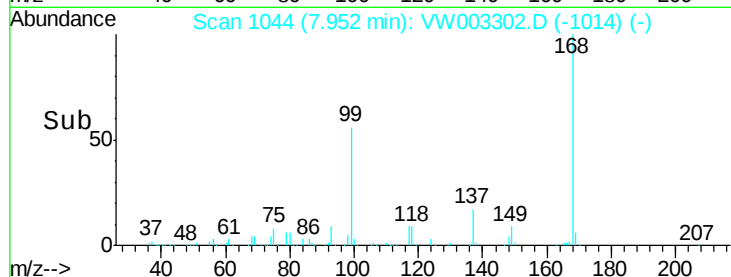
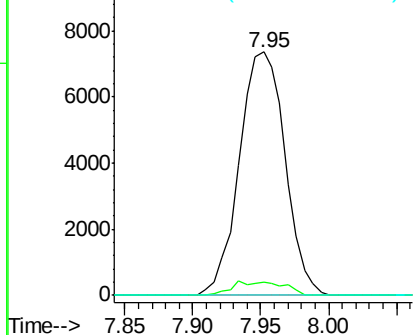
#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 17318
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 23.9 35.9#

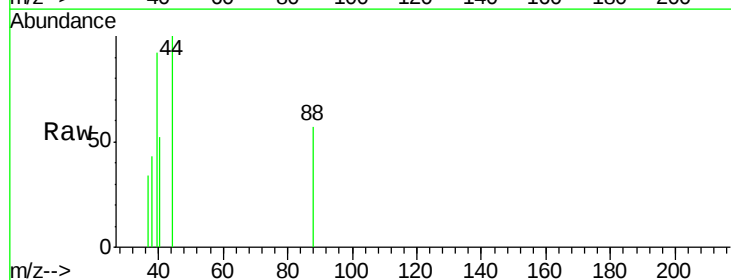


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

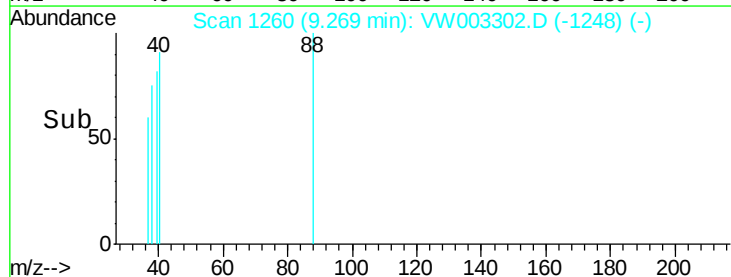
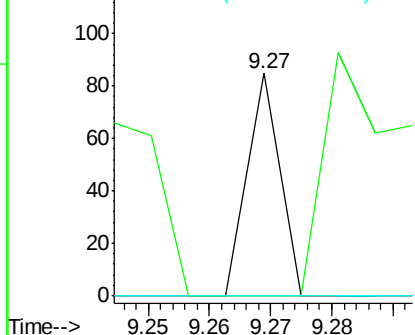


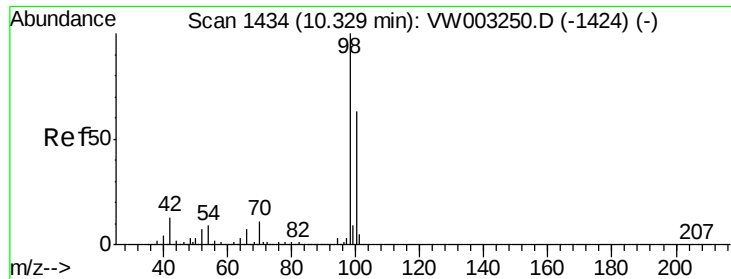
#49
1,4-Dioxane
Concen: 2.108 ug/l
RT: 9.27 min Scan# 1260
Delta R.T. -0.23 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

Tgt Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 329.0 454.7 682.1#
58 0.0 58.6 88.0#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 55.879 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

Instrument :

MSVOA_W

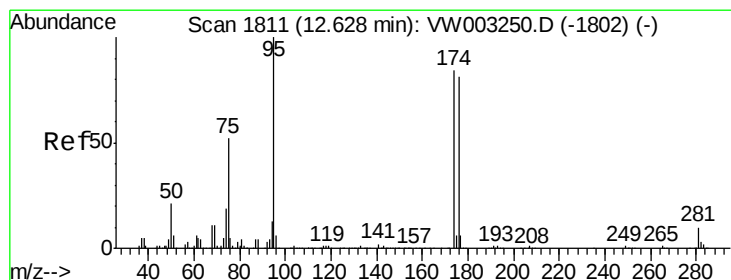
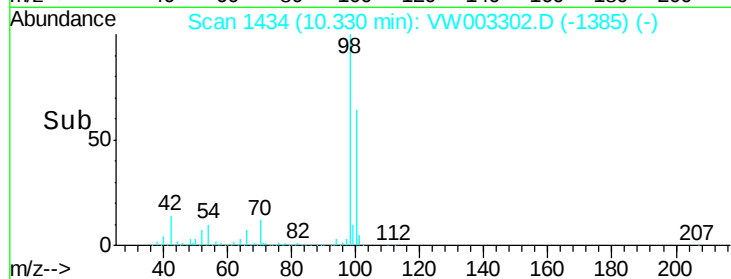
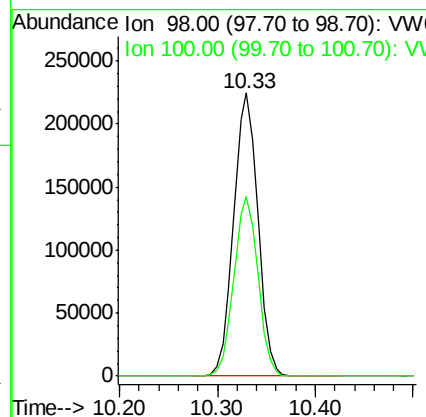
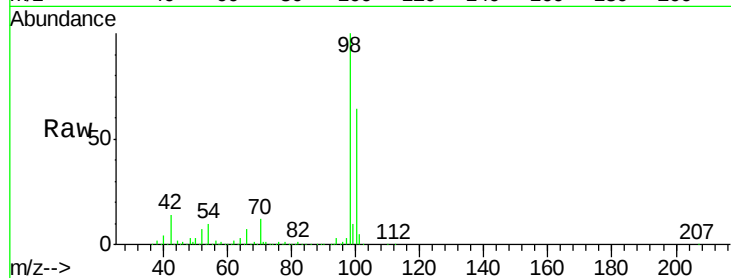
ClientSampleId :

Tot Ion: 98 Resp: 386384

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 50.030 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

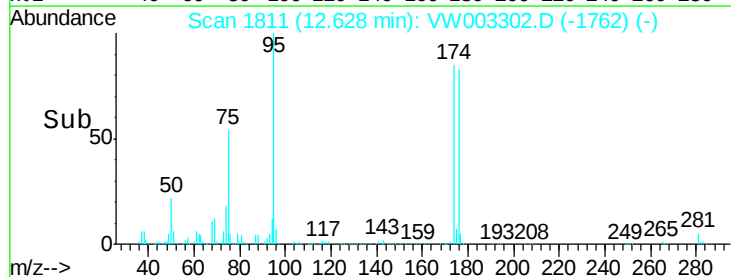
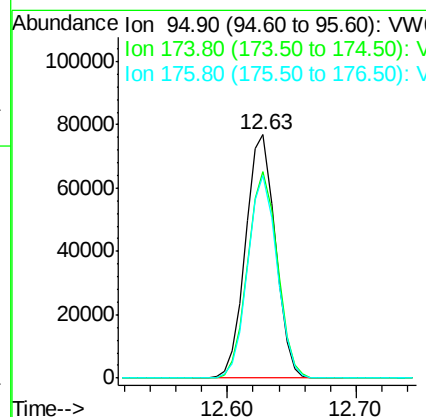
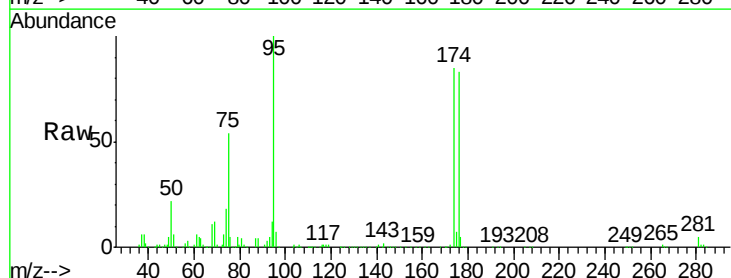
Tgt Ion: 95 Resp: 122425

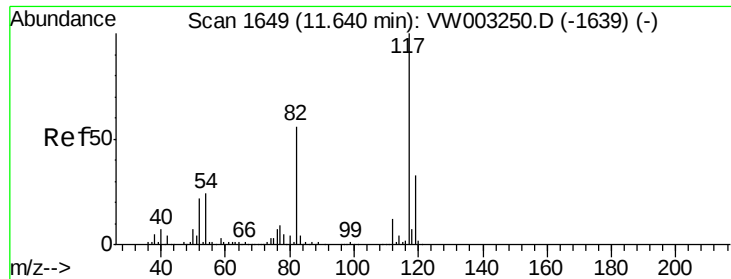
Ion Ratio Lower Upper

95 100

174 85.1 0.0 166.4

176 81.7 0.0 162.0

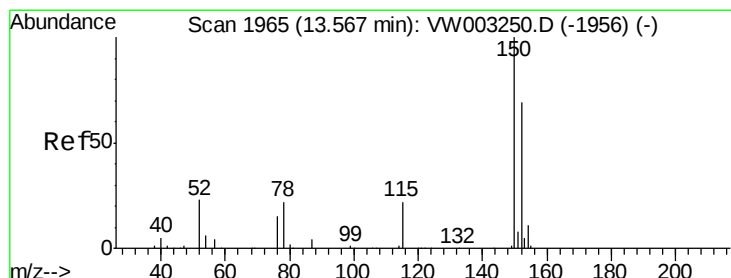
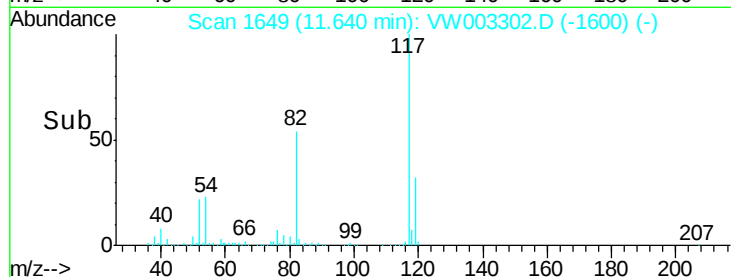
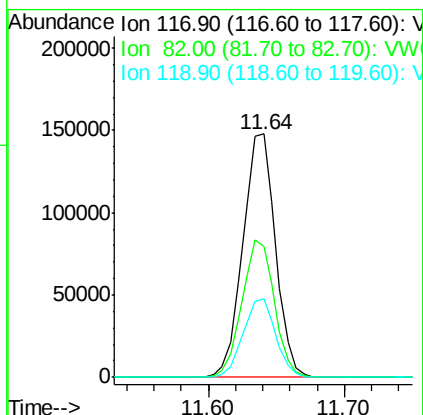
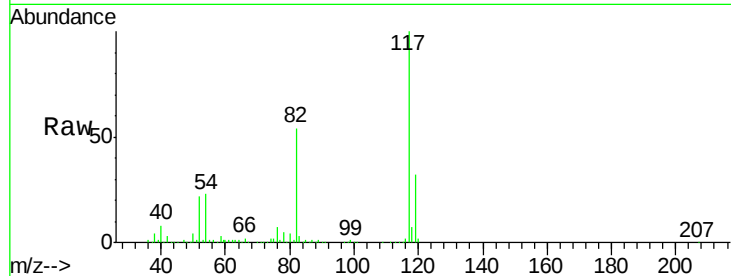




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

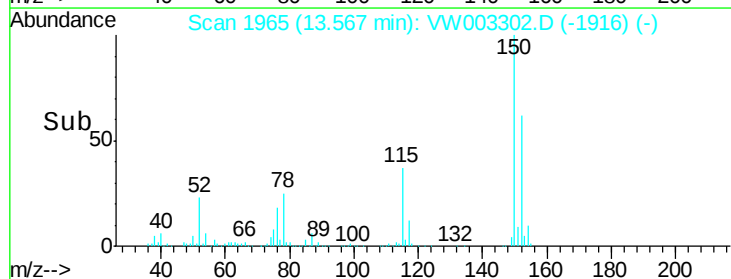
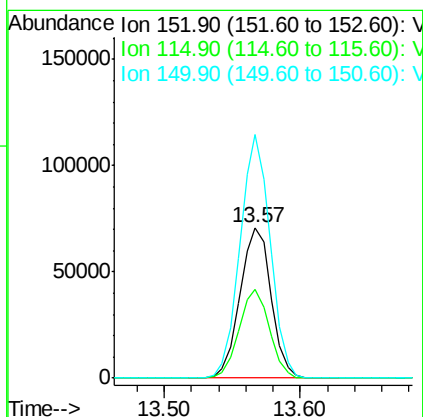
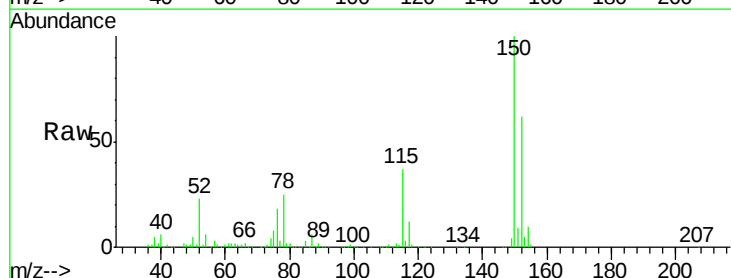
Instrument :
MSVOA_W
ClientSampleId :

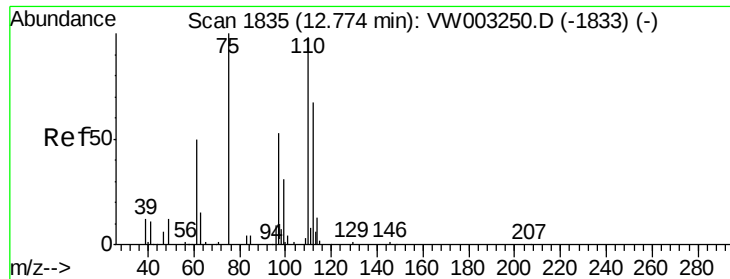
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	67.0
119	32.4	26.7	40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003302.D
Acq: 15 Jun 2018 19:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	157.4	0.0	349.6





#76

1,2,3-Trichloropropane

Concen: 68.964 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

Instrument :

MSVOA_W

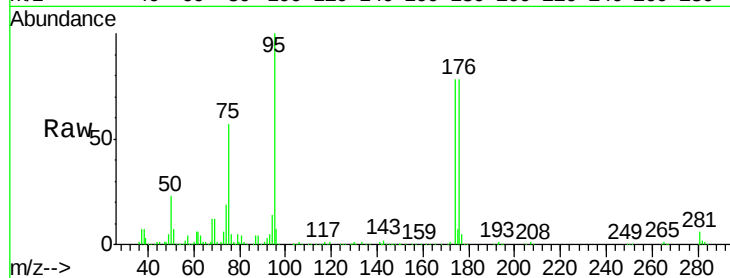
ClientSampleId :

Tot Ion: 75 Resp: 66497

Ion Ratio Lower Upper

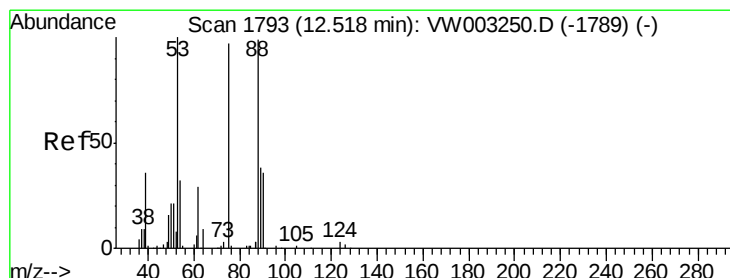
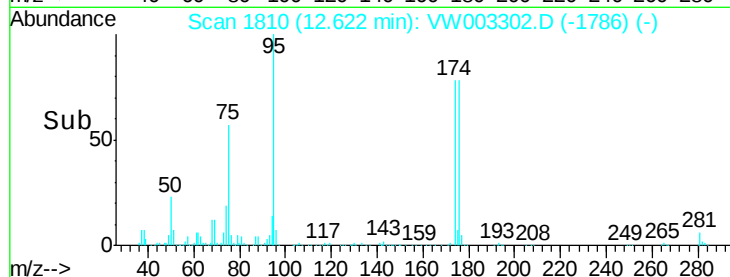
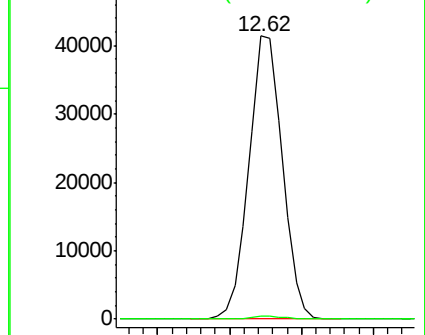
75 100

77 1.1 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: 158.691 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003302.D

Acq: 15 Jun 2018 19:44

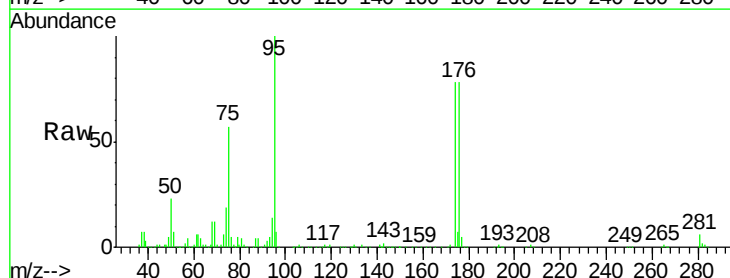
Tgt Ion: 75 Resp: 66497

Ion Ratio Lower Upper

75 100

53 0.1 82.9 124.3#

89 0.0 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

