

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003639.D
 Acq On : 28 Jun 2018 15:32
 Operator : SY/AP
 Sample : J3709-05
 Misc : 4.13G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:44:43 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

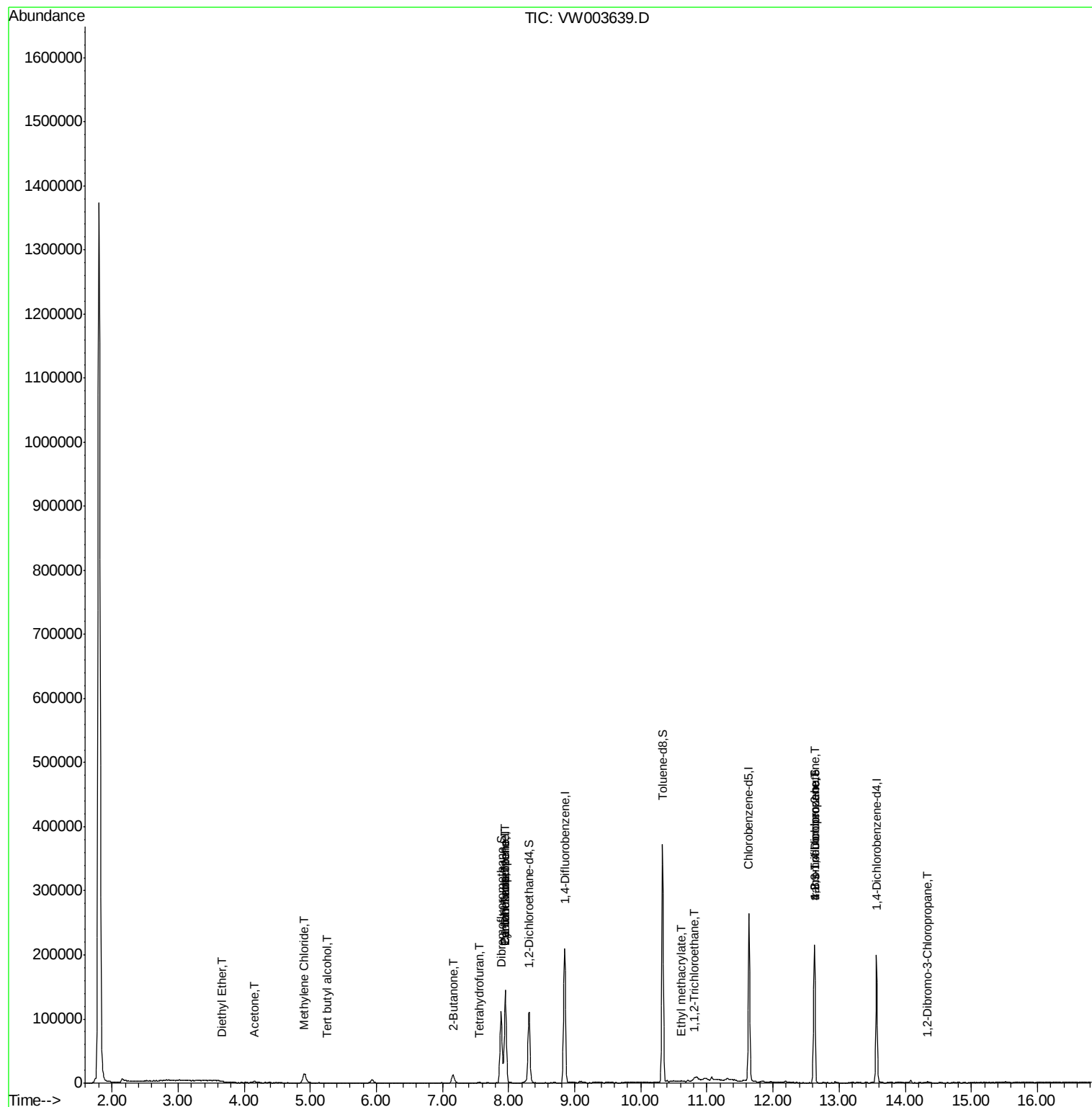
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	102646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	165063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47399	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	90138	81.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	162.14%	
35) Dibromofluoromethane	7.88	113	76539	74.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.24%	
50) Toluene-d8	10.33	98	234201	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
62) 4-Bromofluorobenzene	12.63	95	64444	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	615	1.223	ug/l	58
11) Tert butyl alcohol	5.25	59	98	1.644	ug/l #	84
16) Acetone	4.15	43	4130	17.712	ug/l	99
20) Methylene Chloride	4.91	84	11255	8.301	ug/l	88
25) 2-Butanone	7.16	43	934	3.221	ug/l #	50
29) Tetrahydrofuran	7.55	42	480	2.709	ug/l #	54
31) Cyclohexane	7.95	56	2742	1.526	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	8637	5.418	ug/l #	50
38) Carbon Tetrachloride	7.95	117	10511	6.722	ug/l #	16
55) 1,1,2-Trichloroethane	10.81	97	919	1.139	ug/l #	14
56) Ethyl methacrylate	10.62	69	1654	1.688	ug/l #	22
76) 1,2,3-Trichloropropane	12.63	75	35335	87.202	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	35335	200.658	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.34	75	106	1.129	ug/l #	4

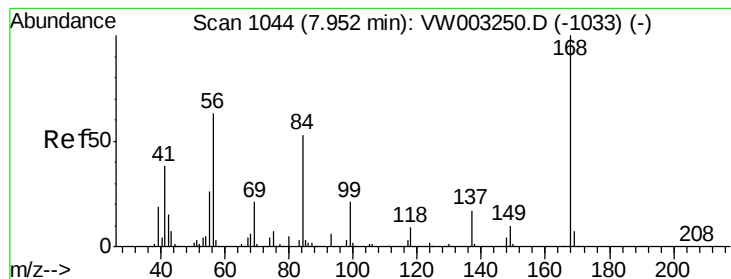
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003639.D

Acq: 28 Jun 2018 15:32

Instrument :

MSVOA_W

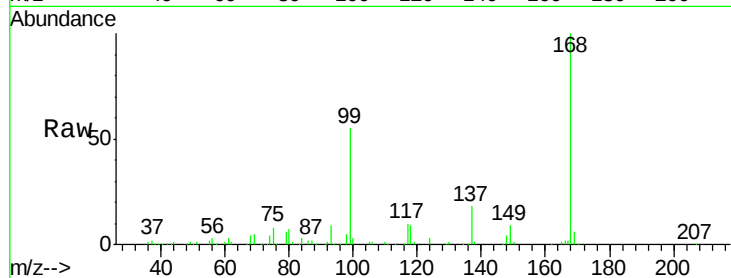
ClientSampleId :

Tot Ion:168 Resp: 102646

Ion Ratio Lower Upper

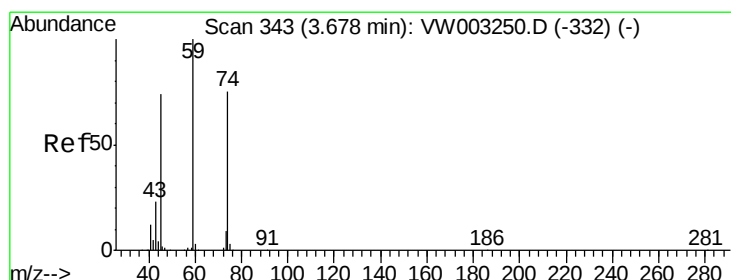
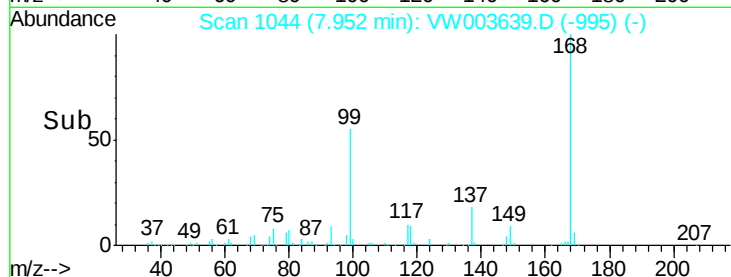
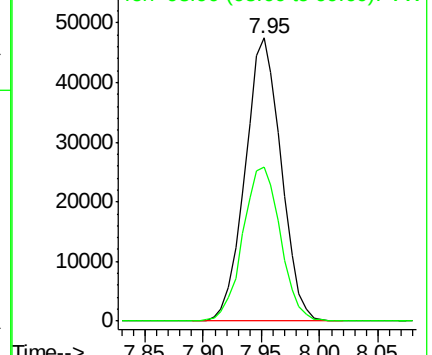
168 100

99 54.6 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: 1.223 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW003639.D

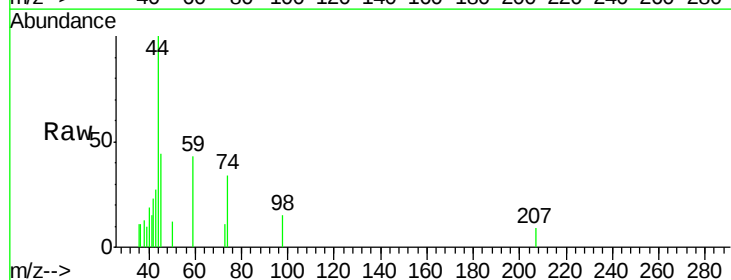
Acq: 28 Jun 2018 15:32

Tgt Ion: 74 Resp: 615

Ion Ratio Lower Upper

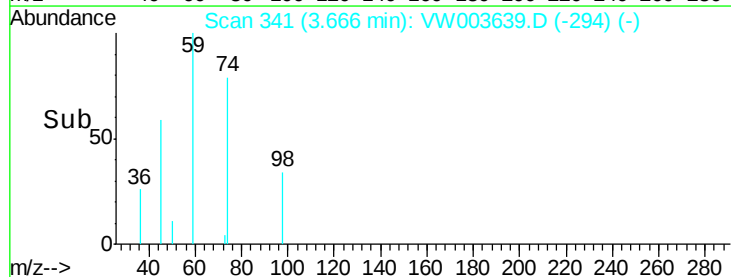
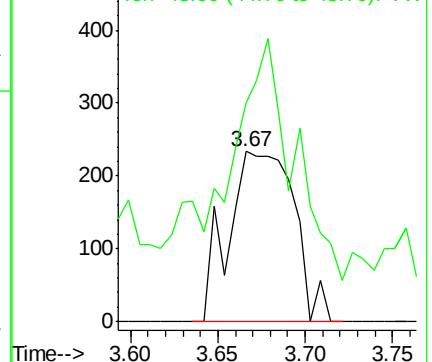
74 100

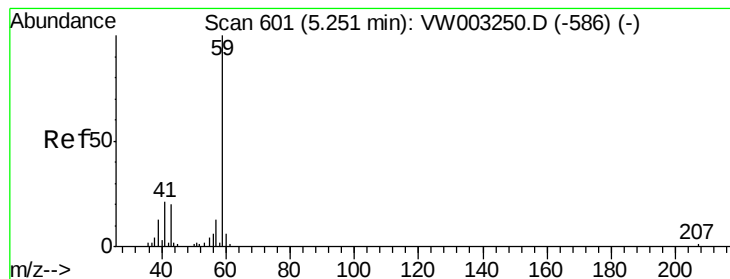
45 145.2 51.4 154.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 1.644 ug/l

RT: 5.25 min Scan# 600

Delta R.T. -0.01 min

Lab File: VW003639.D

Acq: 28 Jun 2018 15:32

Instrument :

MSVOA_W

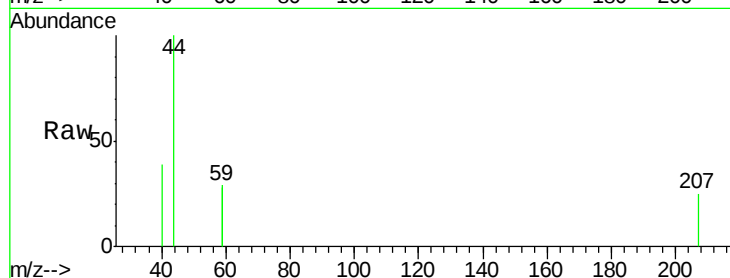
ClientSampled :

Tot Ion: 59 Resp: 98

Ion Ratio Lower Upper

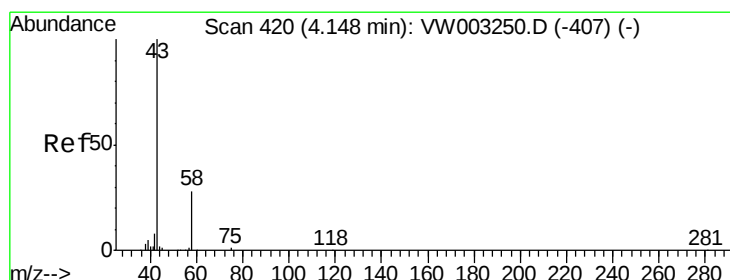
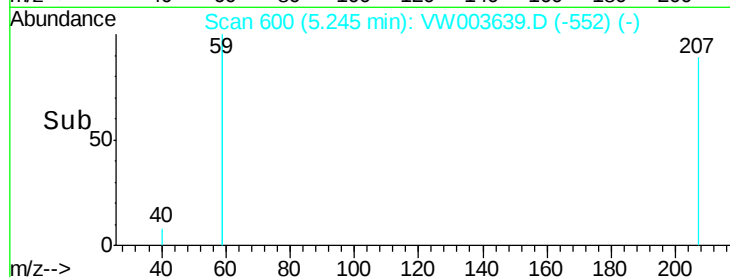
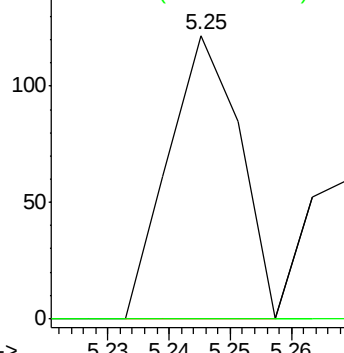
59 100

57 0.0 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: 17.712 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003639.D

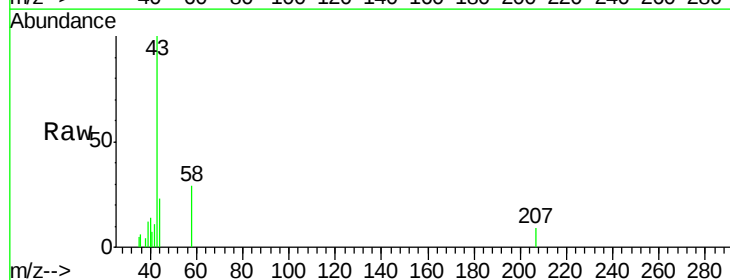
Acq: 28 Jun 2018 15:32

Tgt Ion: 43 Resp: 4130

Ion Ratio Lower Upper

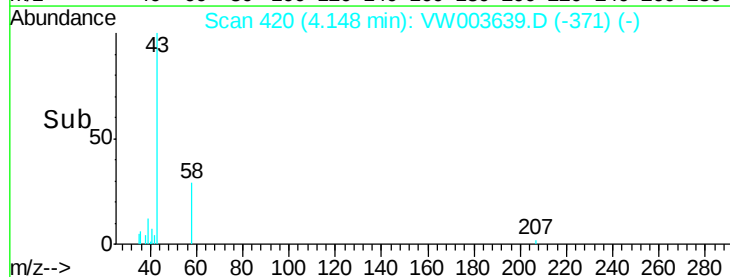
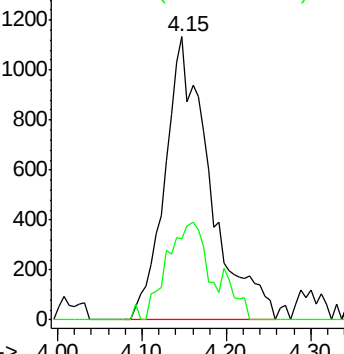
43 100

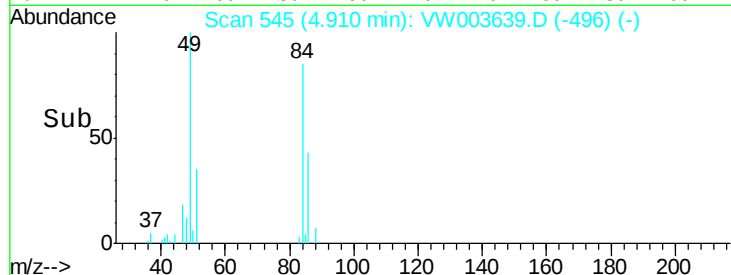
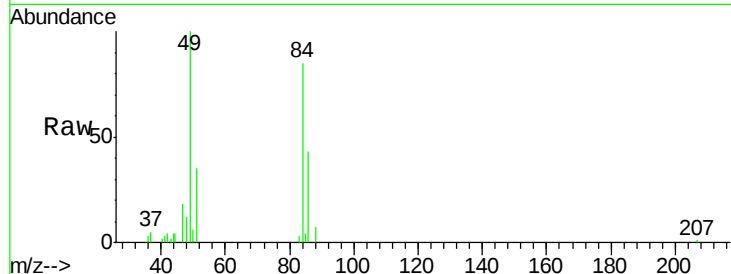
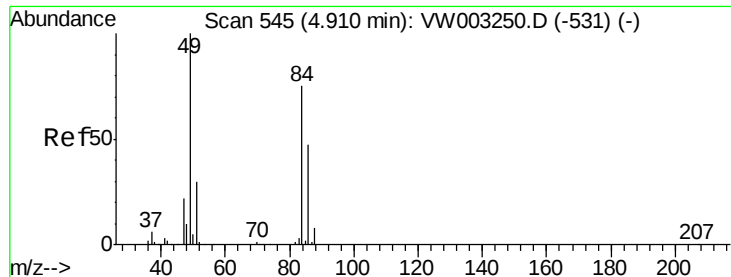
58 28.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

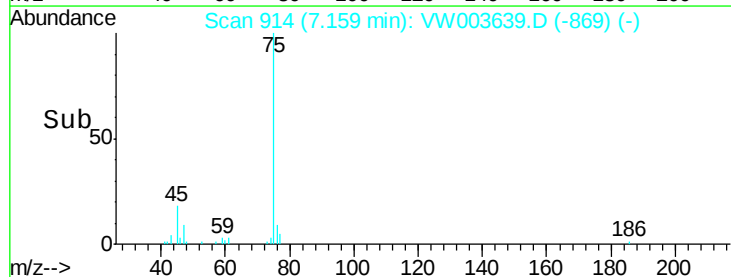
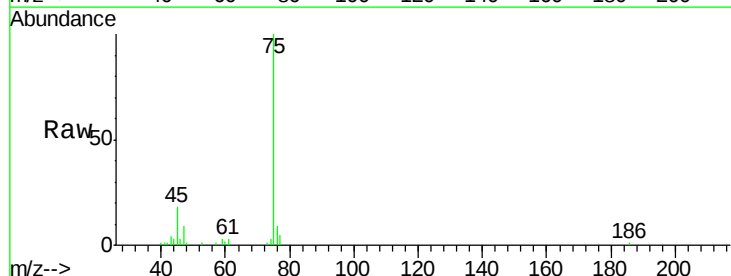
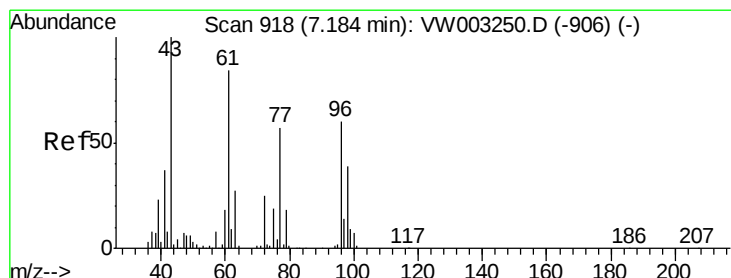
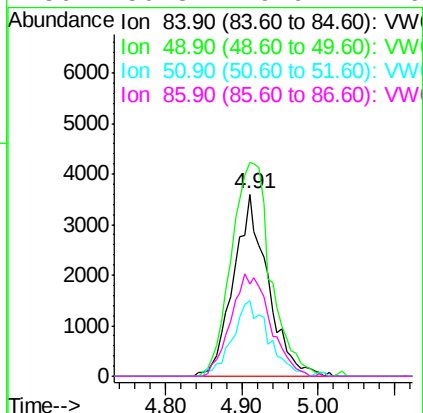




#20
Methvlene Chloride
Concen: 8.301 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

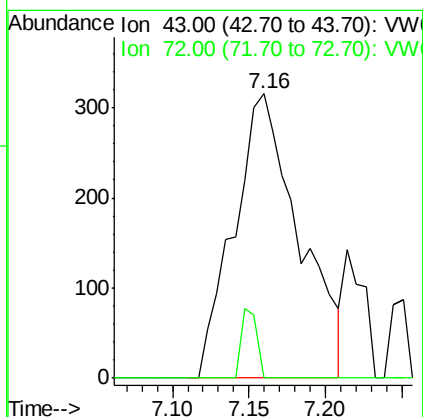
Instrument :
MSVOA_W
ClientSampleId :

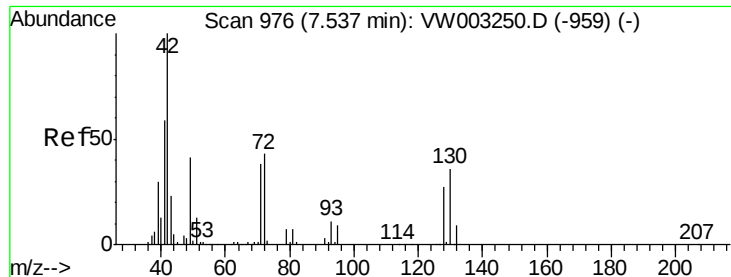
Tot Ion: 84 Resp: 11255
Ion Ratio Lower Upper
84 100
49 117.3 106.3 159.5
51 41.2 32.0 48.0
86 50.3 49.9 74.9



#25
2-Butanone
Concen: 3.221 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#





#29

Tetrahydrofuran

Concen: 2.709 ug/l

RT: 7.55 min Scan# 978

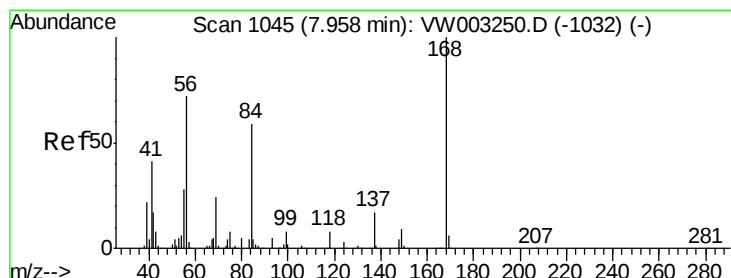
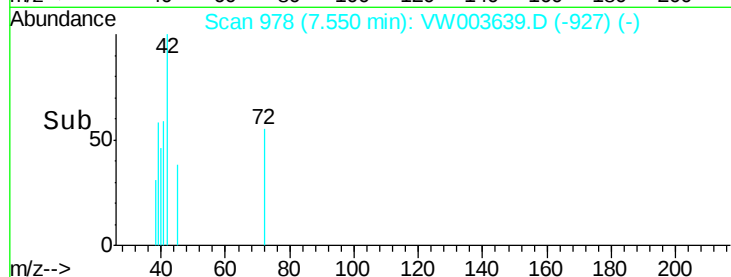
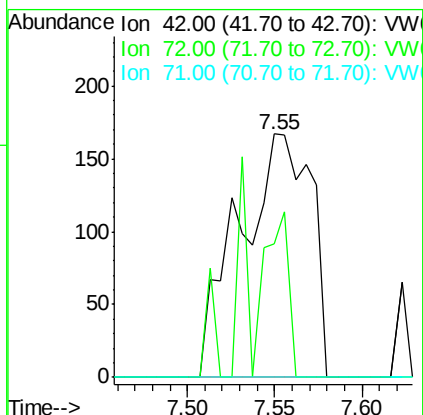
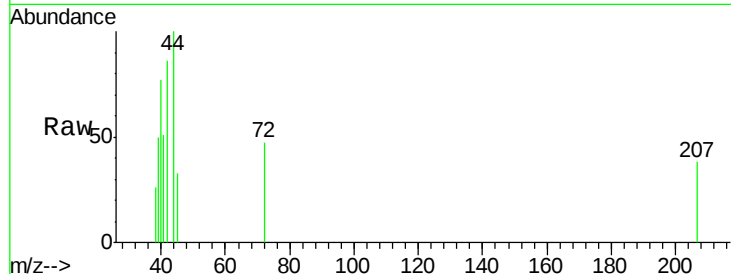
Delta R.T. 0.01 min

Lab File: VW003639.D

Acq: 28 Jun 2018 15:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 22.5 32.4 48.6#
71 0.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.526 ug/l

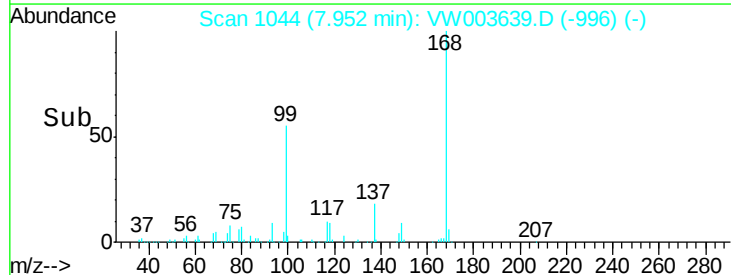
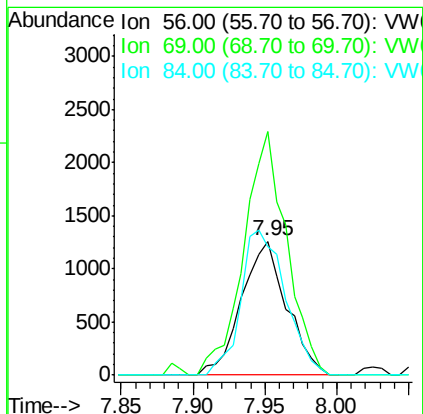
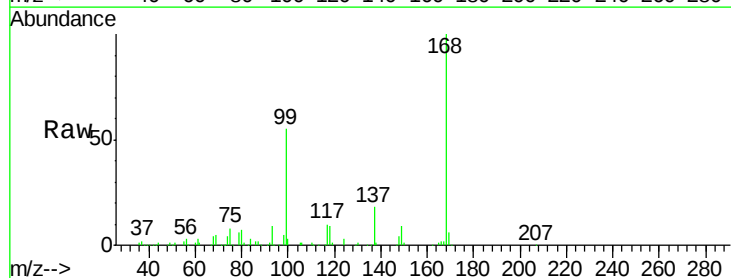
RT: 7.95 min Scan# 1044

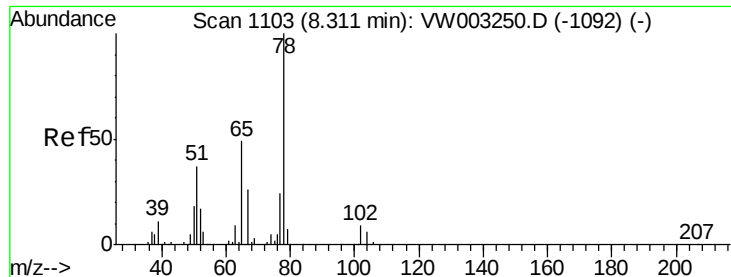
Delta R.T. -0.01 min

Lab File: VW003639.D

Acq: 28 Jun 2018 15:32

Tgt Ion: 56 Resp: 2742
Ion Ratio Lower Upper
56 100
69 182.2 26.3 39.5#
84 95.7 65.7 98.5





#33

1,2-Dichloroethane-d4

Concen: 81.073 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003639.D

Acq: 28 Jun 2018 15:32

Instrument :

MSVOA_W

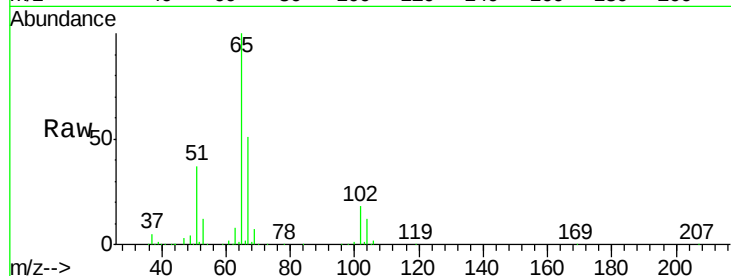
ClientSampleId :

Tot Ion: 65 Resp: 90138

Ion Ratio Lower Upper

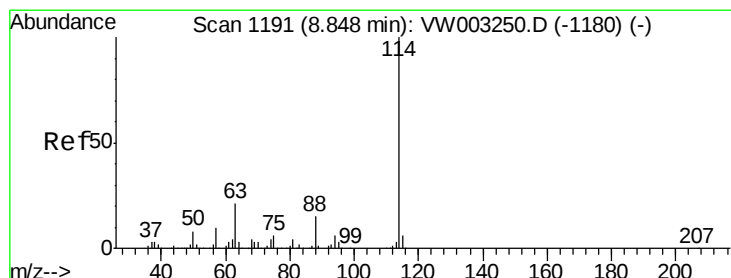
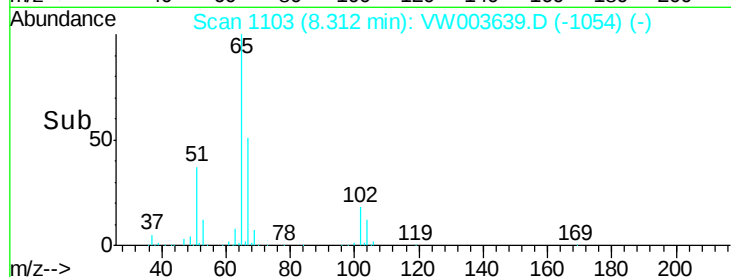
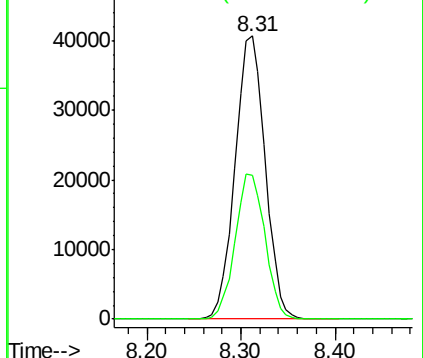
65 100

67 51.0 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: VW003639.D

Acq: 28 Jun 2018 15:32

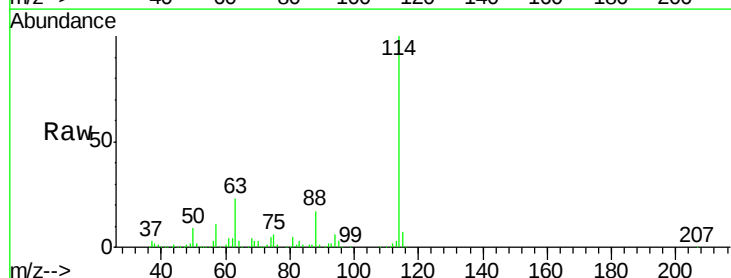
Tgt Ion: 114 Resp: 165063

Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.0

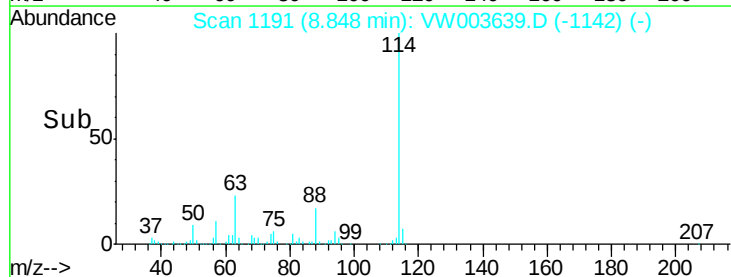
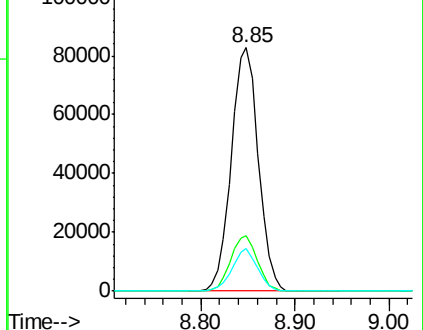
88 17.5 0.0 29.6

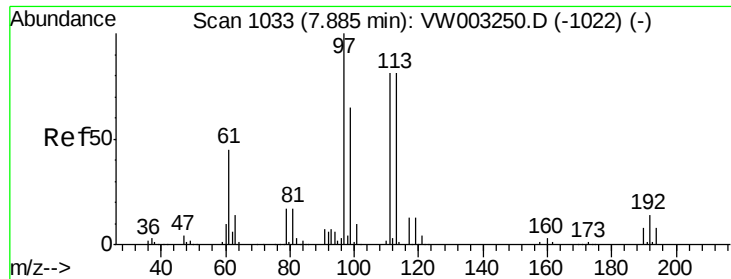


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

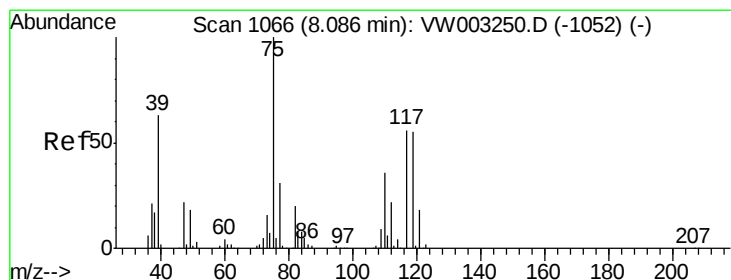
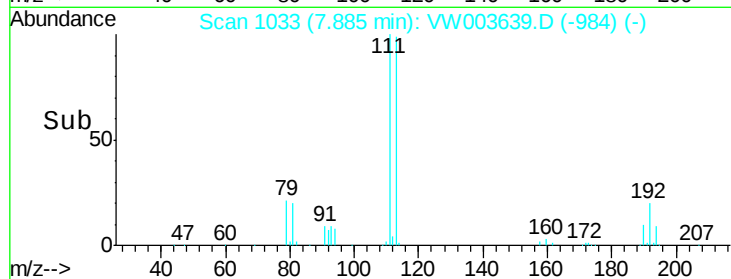
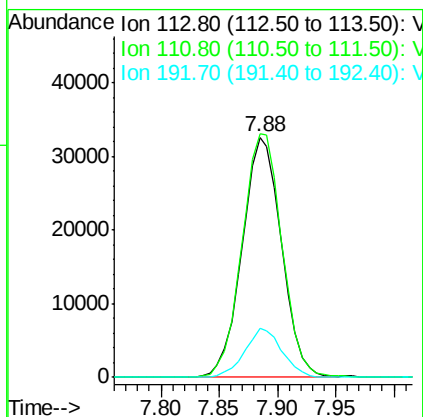
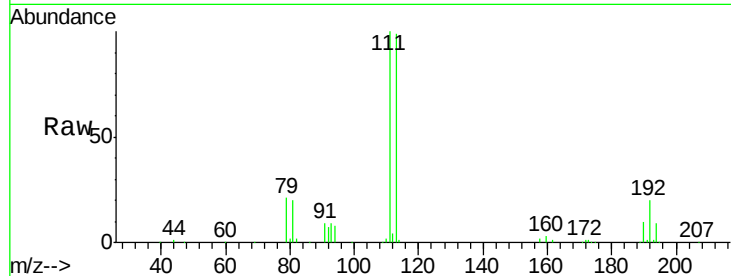




#35
 Dibromofluoromethane
 Concen: 74.625 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003639.D
 Acq: 28 Jun 2018 15:32

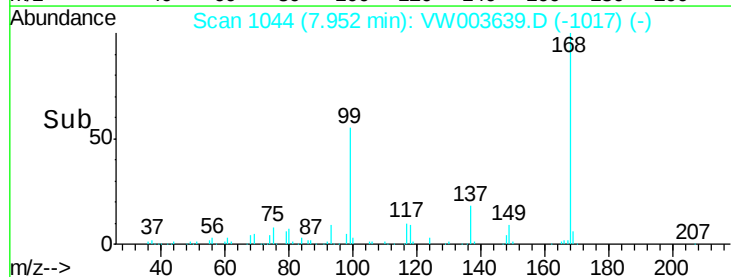
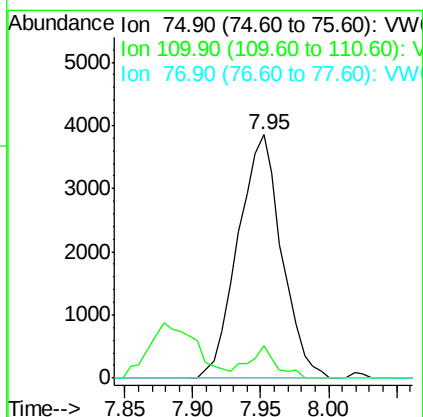
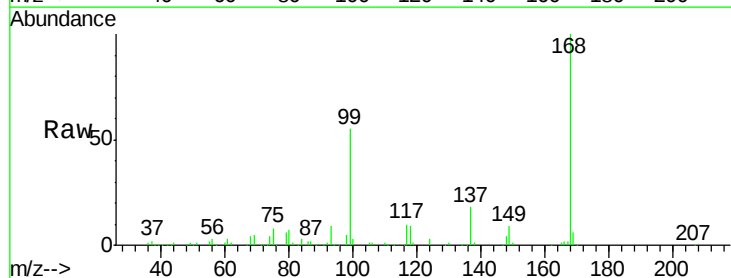
Instrument :
 MSVOA_W
 ClientSampleId :

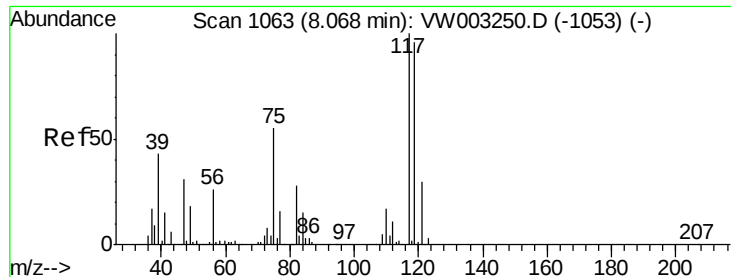
Tot Ion:113 Resp: 76539
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.2
 192 19.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003639.D
 Acq: 28 Jun 2018 15:32

Tgt Ion: 75 Resp: 8637
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.1 51.3#
 77 0.0 24.9 37.3#

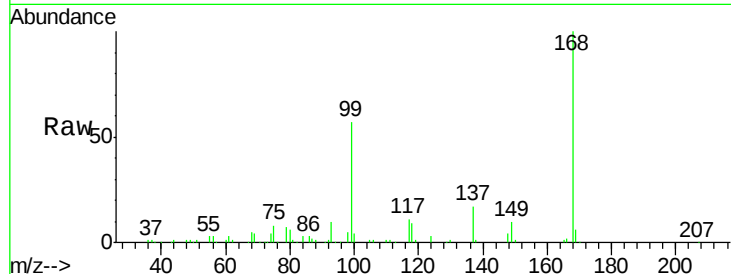




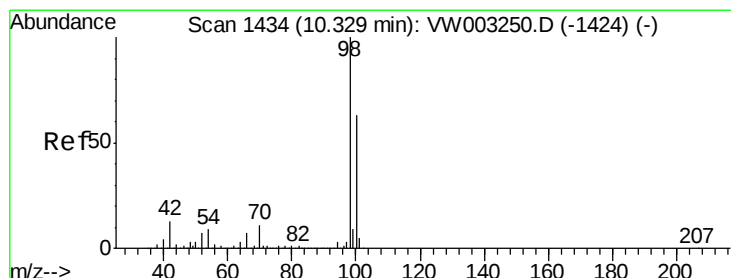
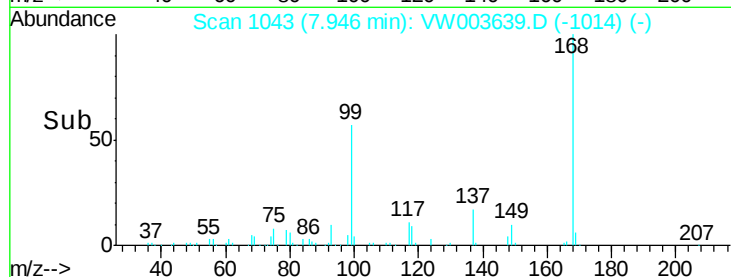
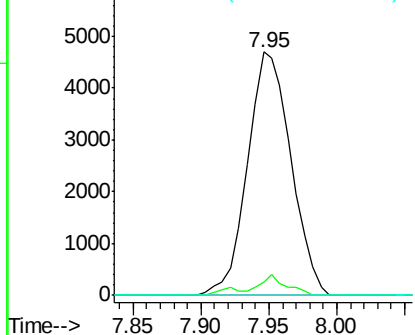
#38
Carbon Tetrachloride
Concen: 6.722 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 10511
Ion Ratio Lower Upper
117 100
119 5.2 76.6 115.0#
121 0.0 23.9 35.9#

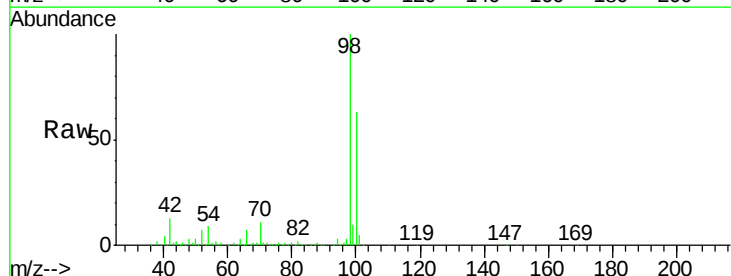


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

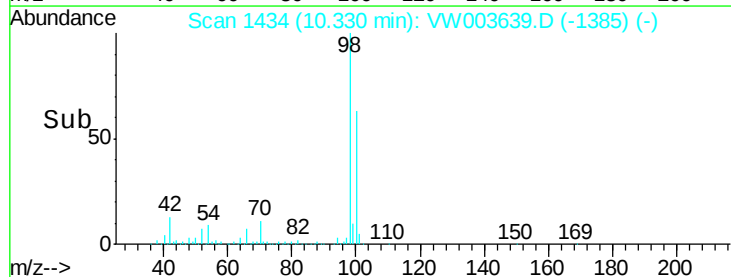
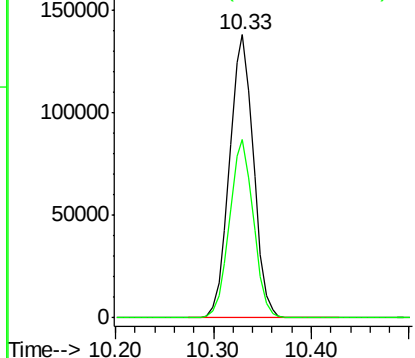


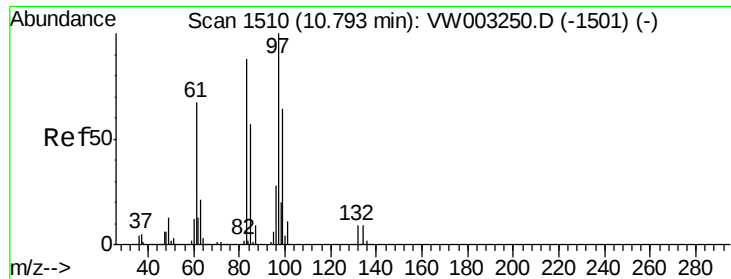
#50
Toluene-d8
Concen: 57.587 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Tgt Ion: 98 Resp: 234201
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



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

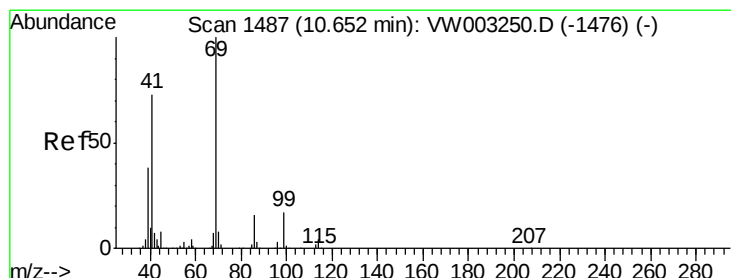
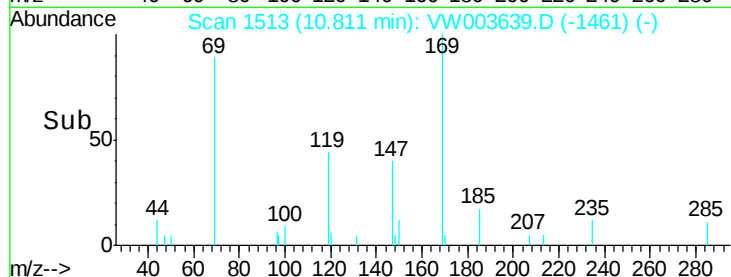
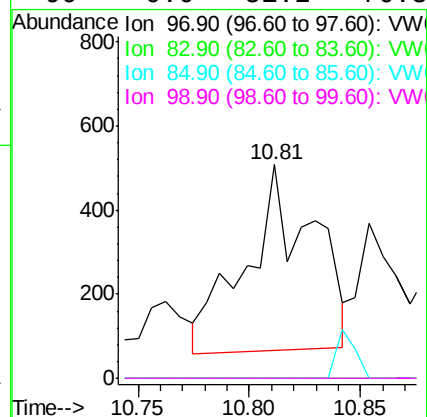
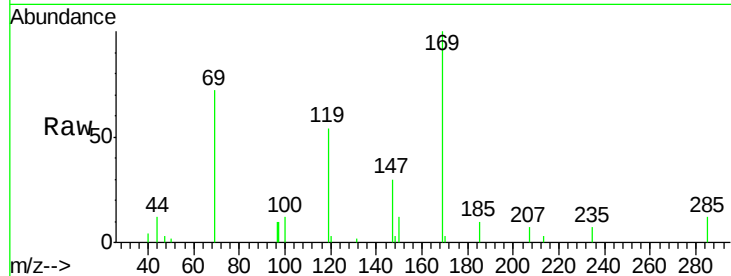




#55
 1,1,2-Trichloroethane
 Concen: 1.139 ug/l
 RT: 10.81 min Scan# 1513
 Delta R.T. 0.02 min
 Lab File: VW003639.D
 Acq: 28 Jun 2018 15:32

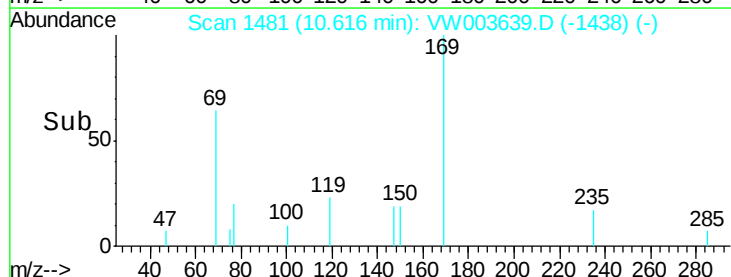
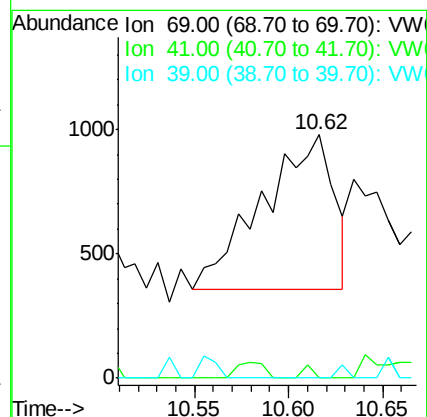
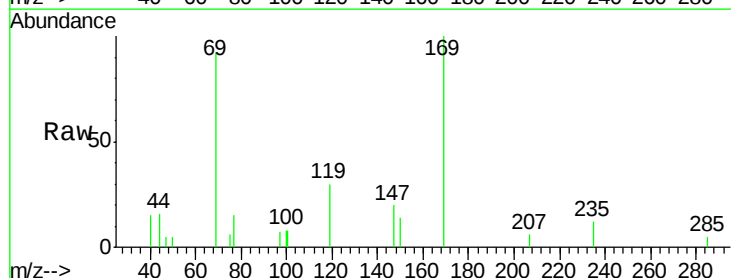
Instrument :
 MSVOA_W
 ClientSampleId :

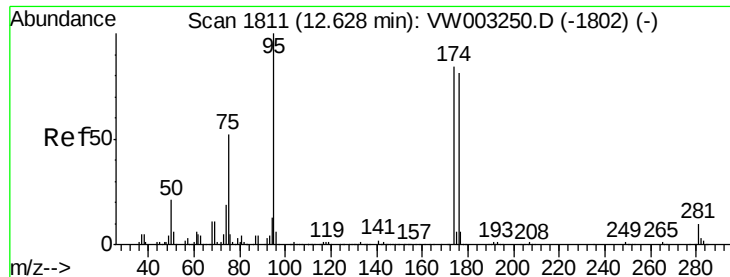
Tot Ion:	97	Resp:	919
Ion	Ratio	Lower	Upper
97	100		
83	0.0	70.2	105.2#
85	0.0	45.6	68.4#
99	0.0	51.2	76.8#



#56
 Ethyl methacrylate
 Concen: 1.688 ug/l
 RT: 10.62 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW003639.D
 Acq: 28 Jun 2018 15:32

Tgt Ion:	69	Resp:	1654
Ion	Ratio	Lower	Upper
69	100		
41	1.2	57.8	86.6#
39	0.0	32.7	49.1#

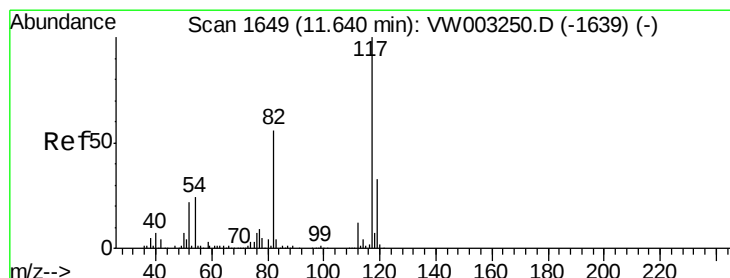
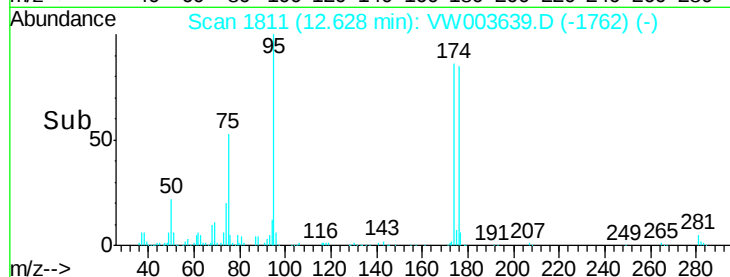
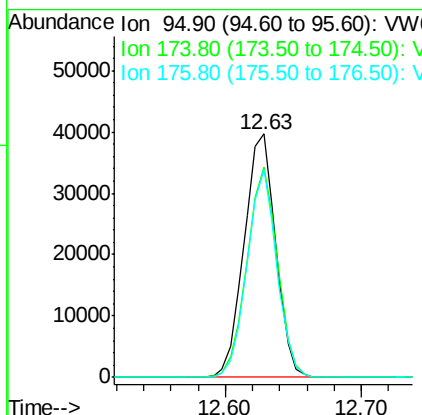
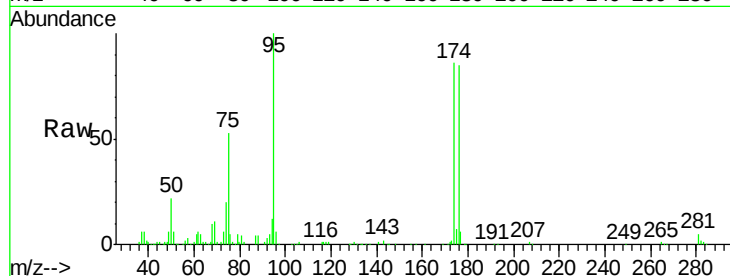




#62
4-Bromofluorobenzene
Concen: 44.776 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

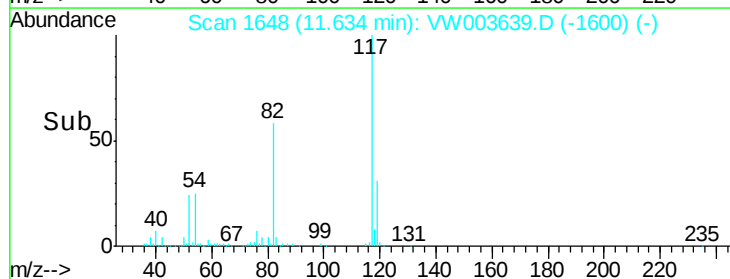
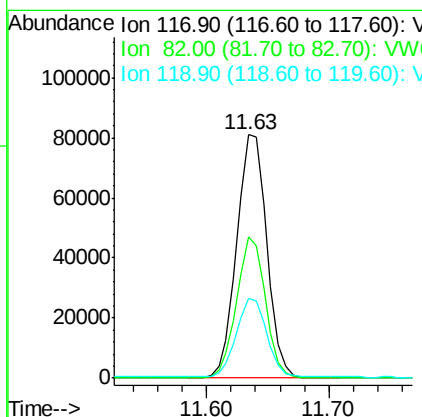
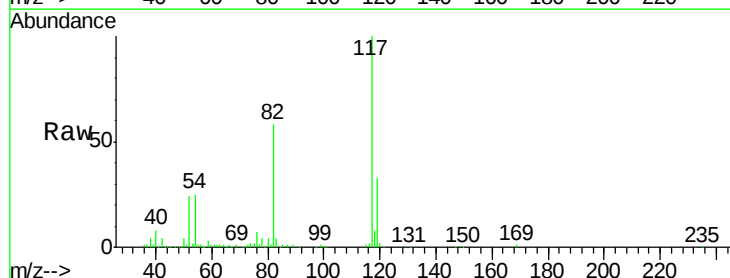
Instrument :
MSVOA_W
ClientSampleId :

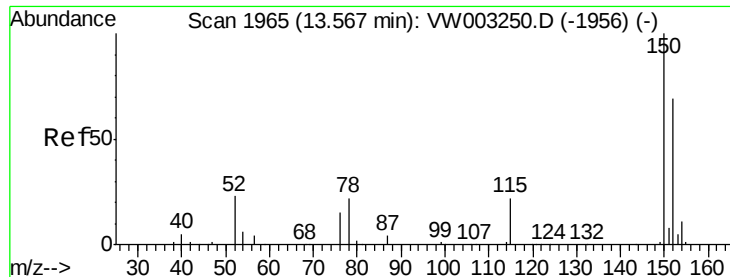
Tot Ion: 95 Resp: 64444
Ion Ratio Lower Upper
95 100
174 84.4 0.0 166.4
176 80.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Tgt Ion: 117 Resp: 137882
Ion Ratio Lower Upper
117 100
82 58.0 44.6 67.0
119 32.5 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: VW003639.D

Acq: 28 Jun 2018 15:32

Instrument :

MSVOA_W

ClientSampleId :

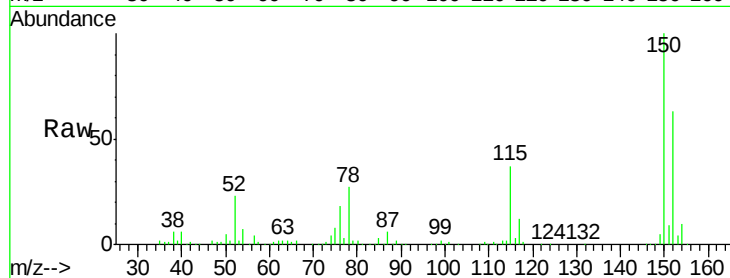
Tot Ion:152 Resp: 47399

Ion Ratio Lower Upper

152 100

115 58.3 29.3 88.0

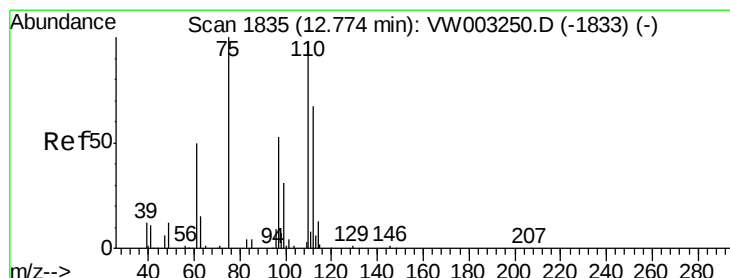
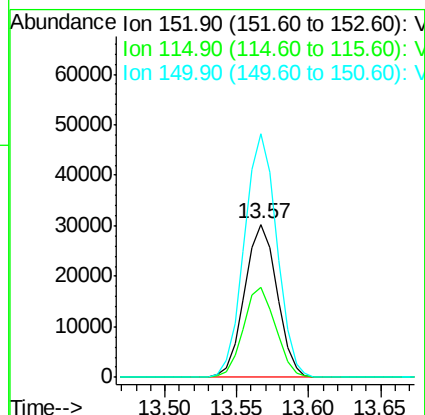
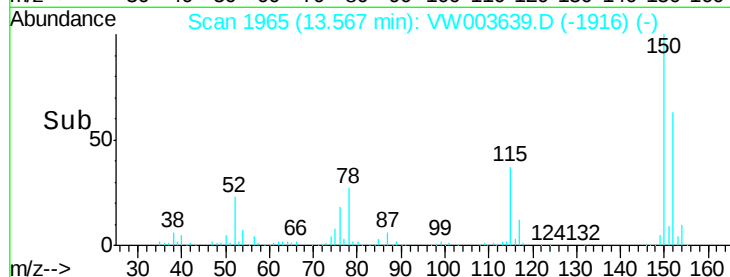
150 159.0 0.0 349.6



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: 87.202 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW003639.D

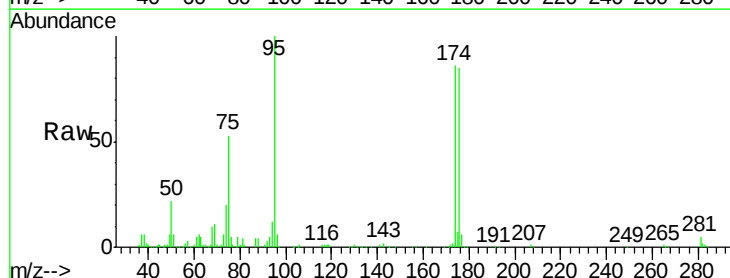
Acq: 28 Jun 2018 15:32

Tgt Ion: 75 Resp: 35335

Ion Ratio Lower Upper

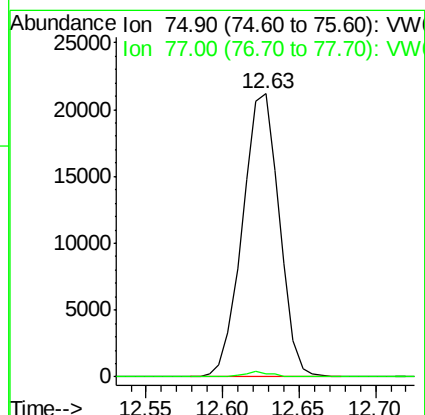
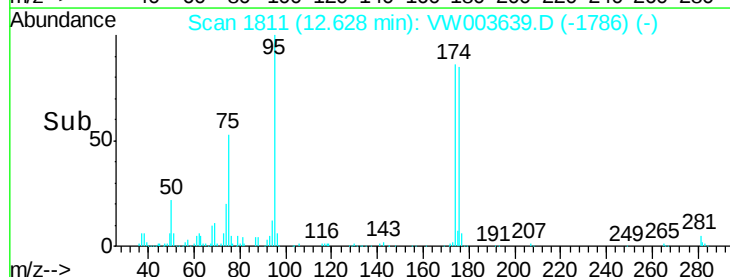
75 100

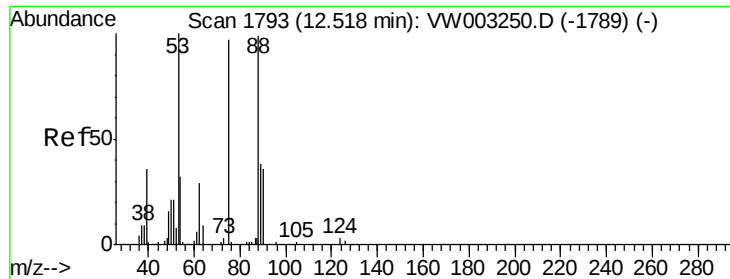
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

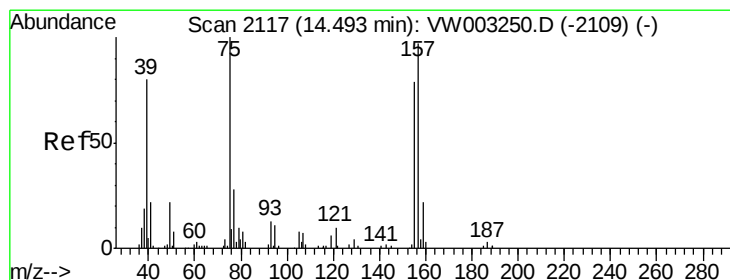
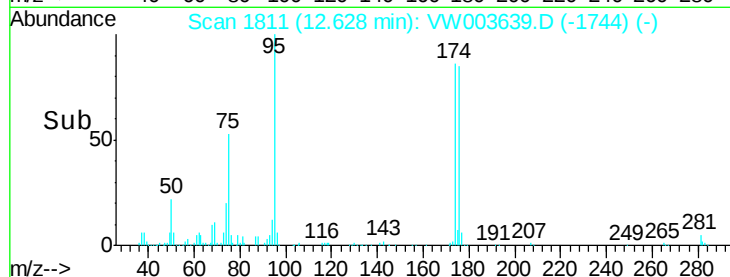
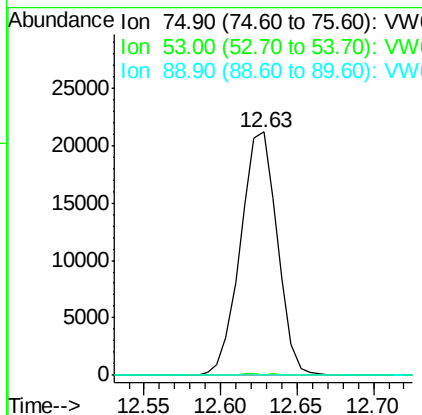
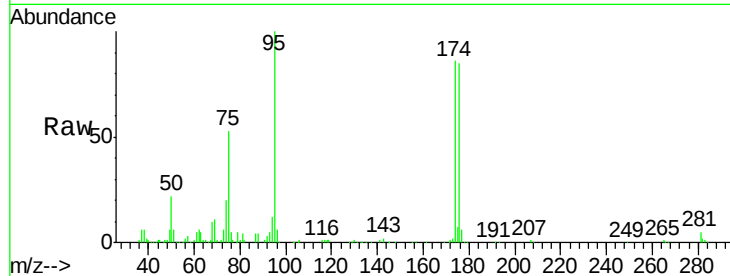




#81
trans-1,4-Dichloro-2-butene
Concen: 200.658 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.11 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 35335
Ion Ratio Lower Upper
75 100
53 0.5 82.9 124.3#
89 0.0 36.7 55.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.129 ug/l
RT: 14.34 min Scan# 2092
Delta R.T. -0.15 min
Lab File: VW003639.D
Acq: 28 Jun 2018 15:32

Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
155 0.0 39.4 118.2#
157 0.0 51.5 154.5#

