

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062818\
 Data File : VW003649.D
 Acq On : 28 Jun 2018 19:51
 Operator : SY/AP
 Sample : J3732-03RE
 Misc : 4.74G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 29 06:46:38 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	141327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	231267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	194307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	73817	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	72846	47.59	ug/l	0.00
Spiked Amount						
			Recovery	=	95.18%	
35) Dibromofluoromethane	7.89	113	68123	47.41	ug/l	0.00
Spiked Amount						
			Recovery	=	94.82%	
50) Toluene-d8	10.33	98	200379	35.17	ug/l	0.00
Spiked Amount						
			Recovery	=	70.34%	
62) 4-Bromofluorobenzene	12.63	95	69908	34.67	ug/l	0.00
Spiked Amount						
			Recovery	=	69.34%	

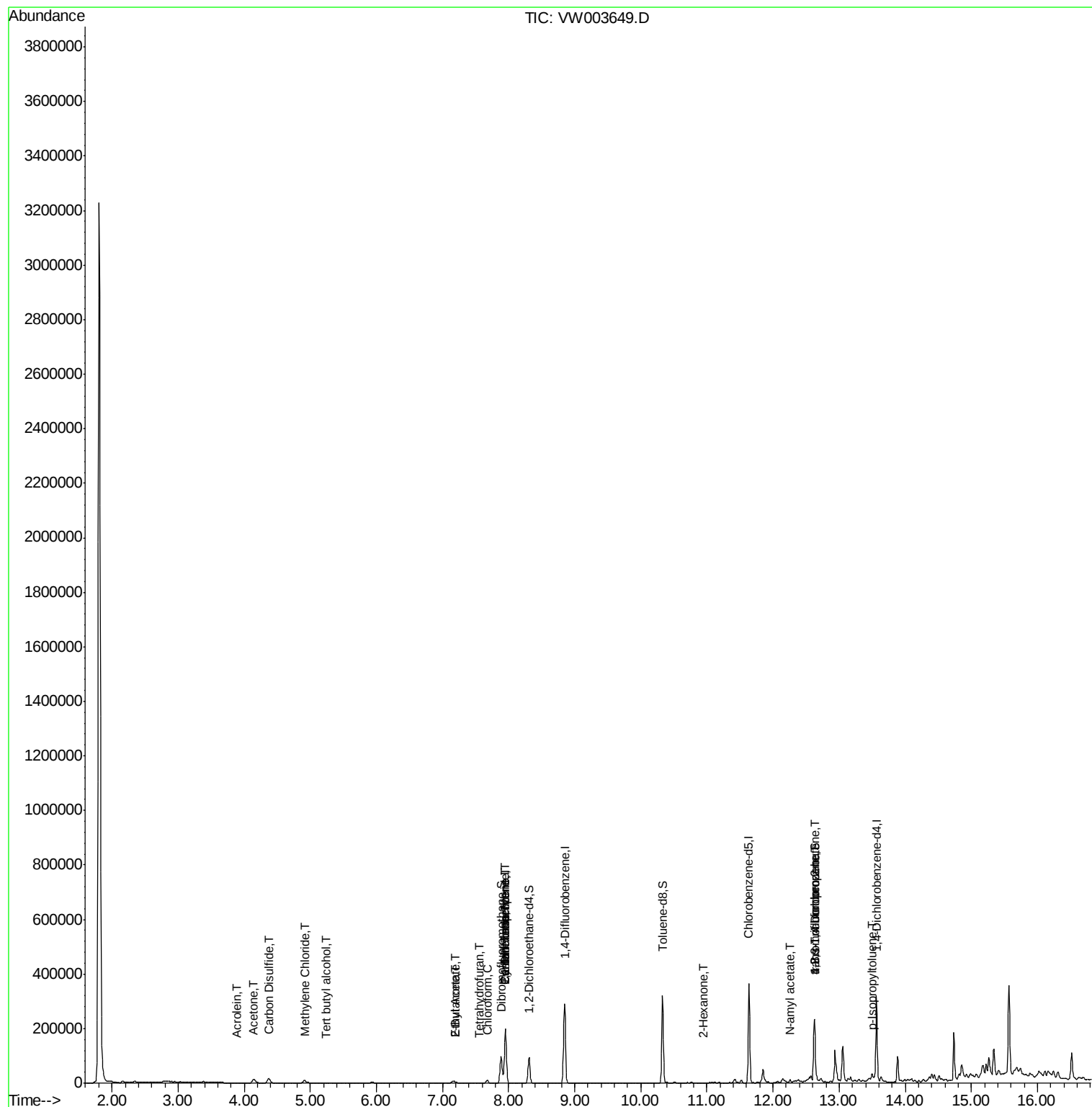
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	87	1.060	ug/l #	84
13) Acrolein	3.89	56	378	3.220	ug/l #	83
16) Acetone	4.14	43	26497	82.532	ug/l	99
17) Carbon Disulfide	4.37	76	37348	9.874	ug/l	100
20) Methylene Chloride	4.91	84	7052	1.619	ug/l	93
25) 2-Butanone	7.20	43	4710	11.798	ug/l	97
29) Tetrahydrofuran	7.56	42	531	2.176	ug/l #	51
30) Chloroform	7.68	83	9601	3.559	ug/l	88
31) Cyclohexane	7.95	56	3604	1.457	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11835	5.299	ug/l #	51
37) Ethyl Acetate	7.20	43	4710	5.090	ug/l #	69
38) Carbon Tetrachloride	7.95	117	14224	6.493	ug/l #	17
59) 2-Hexanone	10.94	43	751	1.148	ug/l #	27
74) N-amyl acetate	12.26	43	2091	1.789	ug/l #	67
76) 1,2,3-Trichloropropane	12.62	75	38517	61.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38517	140.448	ug/l #	9
86) p-Isopropyltoluene	13.51	119	5000	1.038	ug/l #	82

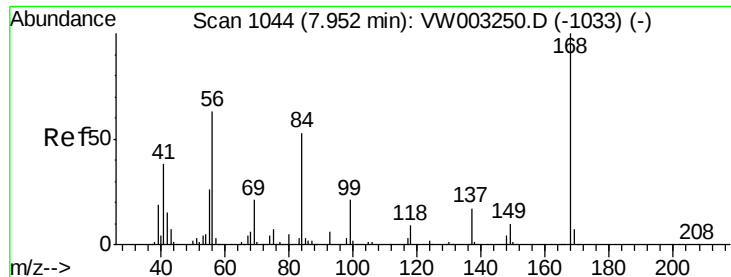
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003649.D

Acq: 28 Jun 2018 19:51

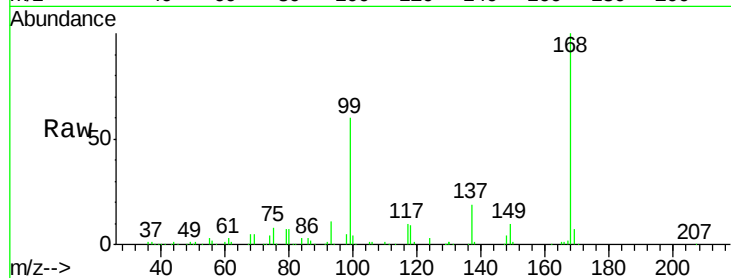
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 141327

Ion Ratio Lower Upper

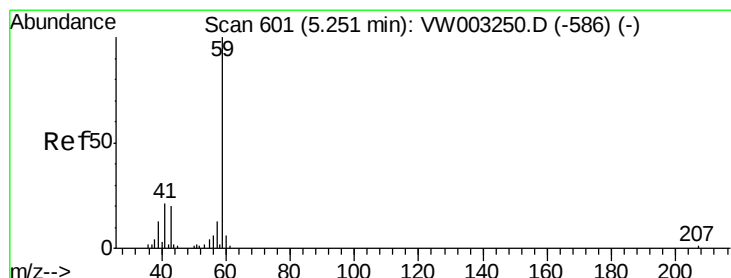
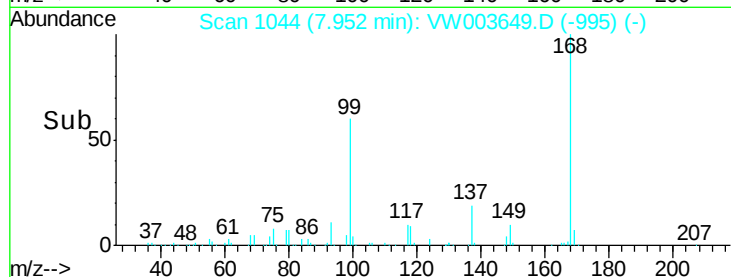
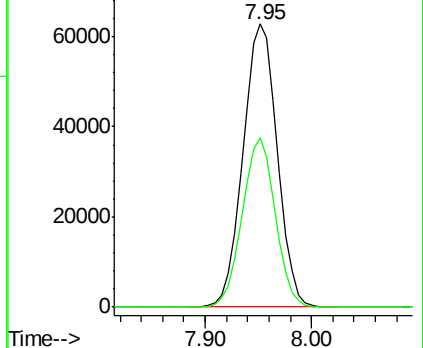
168 100

99 59.8 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: 1.060 ug/l

RT: 5.24 min Scan# 599

Delta R.T. -0.01 min

Lab File: VW003649.D

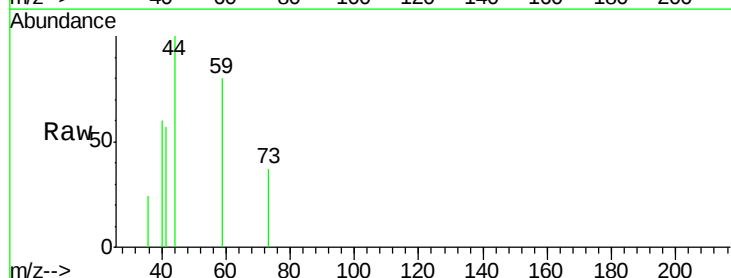
Acq: 28 Jun 2018 19:51

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

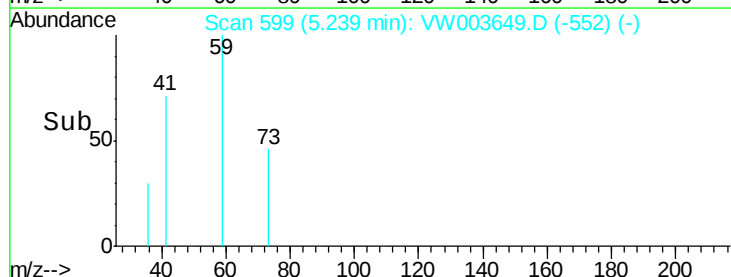
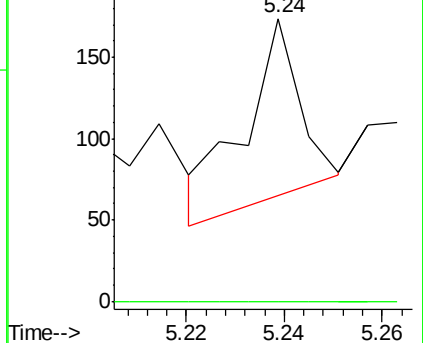
59 100

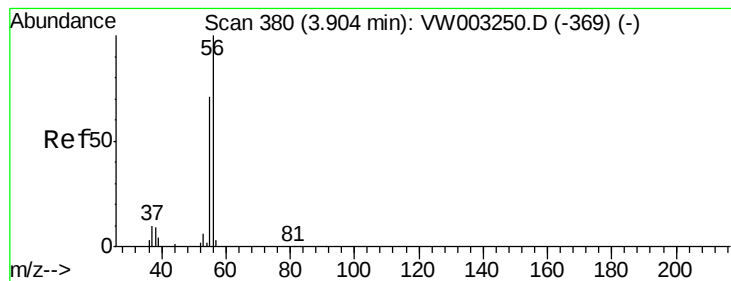
57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.220 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.02 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

Instrument :

MSVOA_W

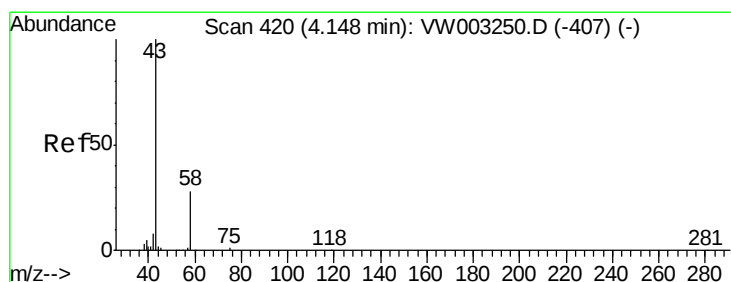
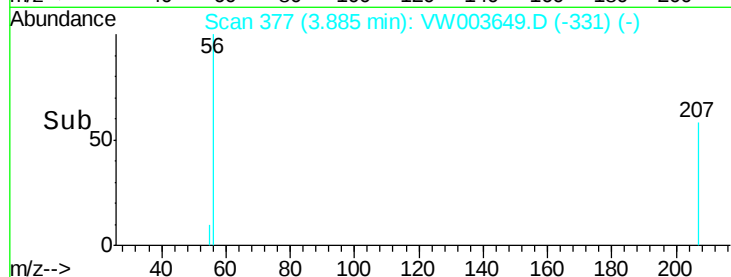
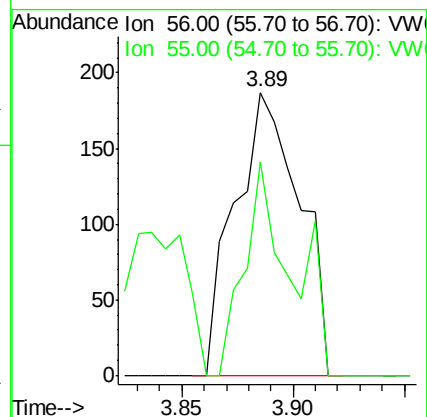
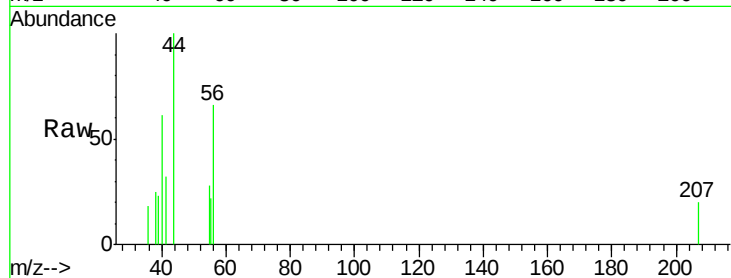
ClientSampled :

Tot Ion: 56 Resp: 378

Ion Ratio Lower Upper

56 100

55 55.0 55.4 83.2#



#16

Acetone

Concen: 82.532 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003649.D

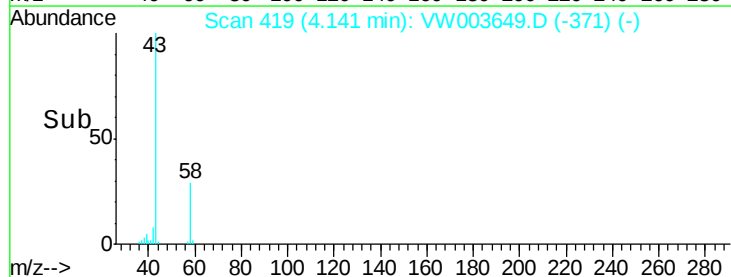
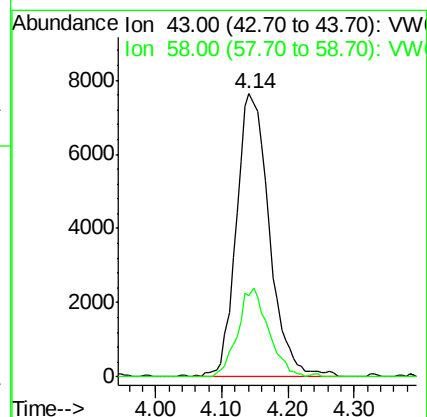
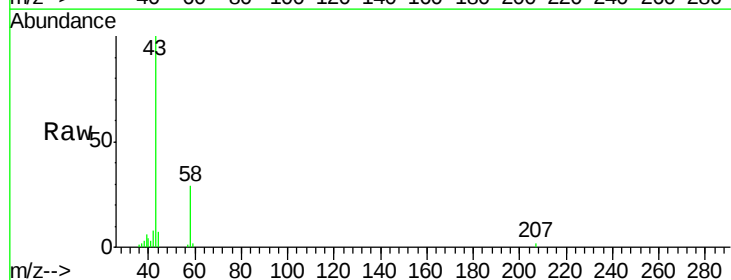
Acq: 28 Jun 2018 19:51

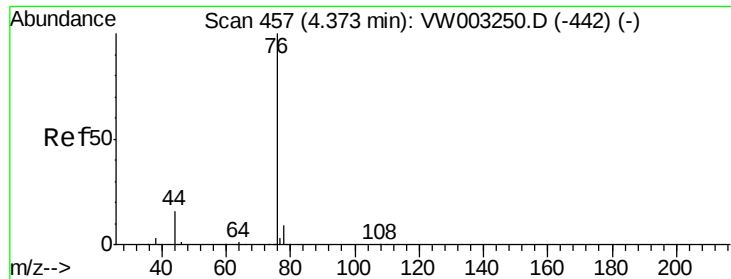
Tgt Ion: 43 Resp: 26497

Ion Ratio Lower Upper

43 100

58 28.8 22.6 34.0

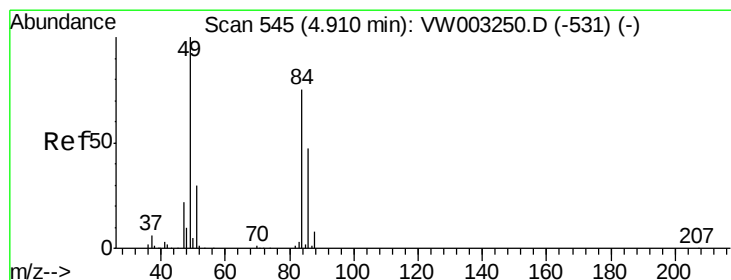
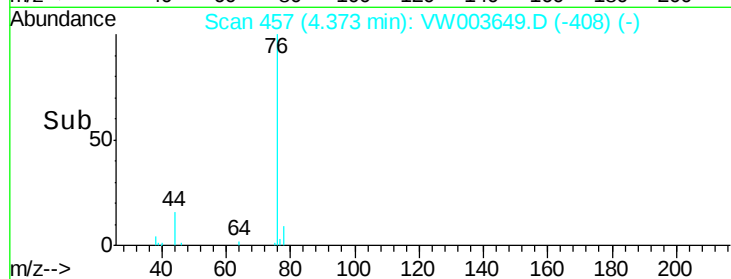
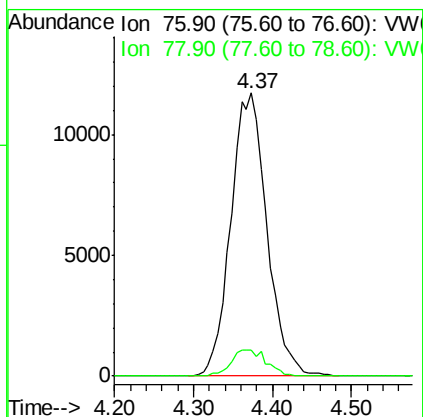
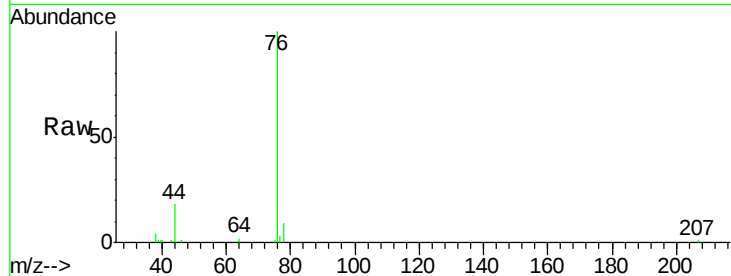




#17
Carbon Disulfide
Concen: 9.874 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

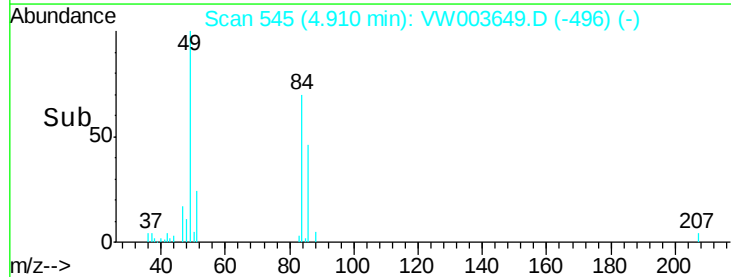
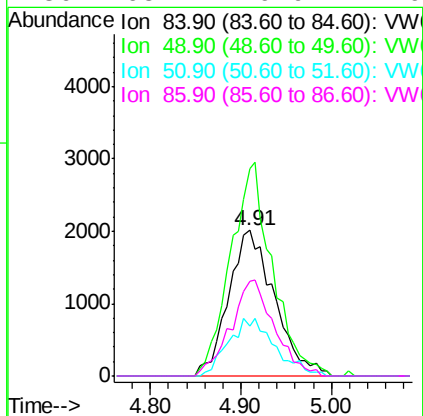
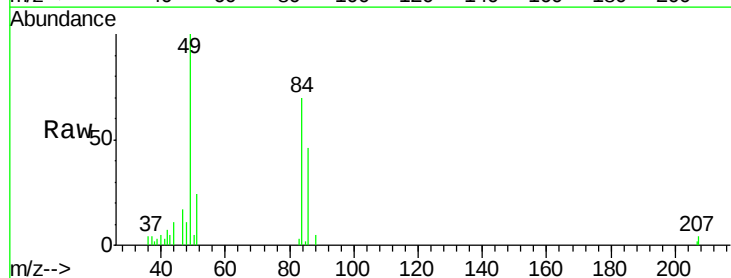
Instrument :
MSVOA_W
ClientSampleId :

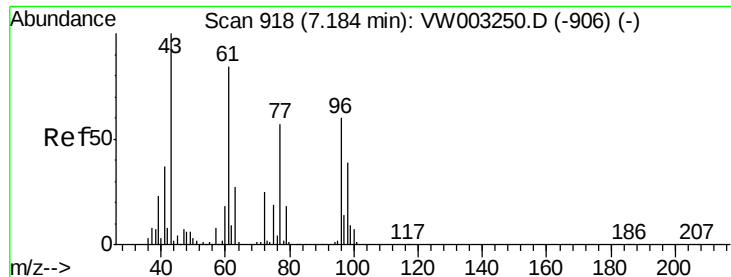
Tot Ion: 76 Resp: 37348
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#20
Methylene Chloride
Concen: 1.619 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Tgt Ion: 84 Resp: 7052
Ion Ratio Lower Upper
84 100
49 142.5 106.3 159.5
51 34.3 32.0 48.0
86 65.4 49.9 74.9





#25

2-Butanone

Concen: 11.798 ug/l

RT: 7.20 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

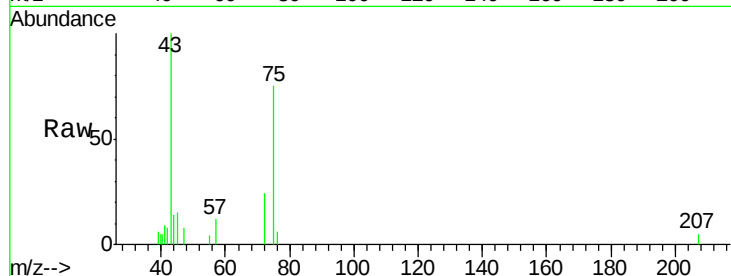
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 4710

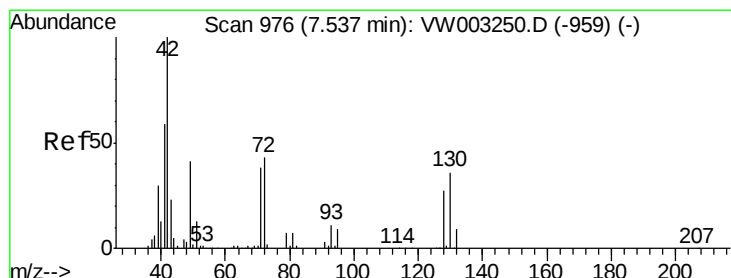
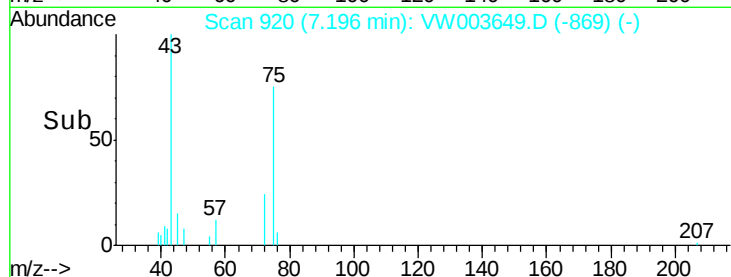
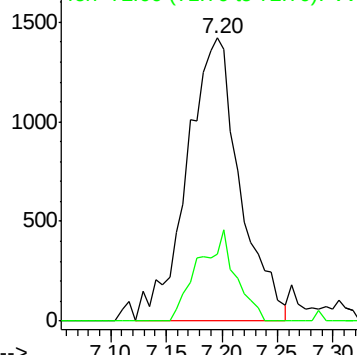
Ion Ratio Lower Upper

43 100

72 23.7 20.3 30.5



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



#29

Tetrahydrofuran

Concen: 2.176 ug/l

RT: 7.56 min Scan# 979

Delta R.T. 0.02 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

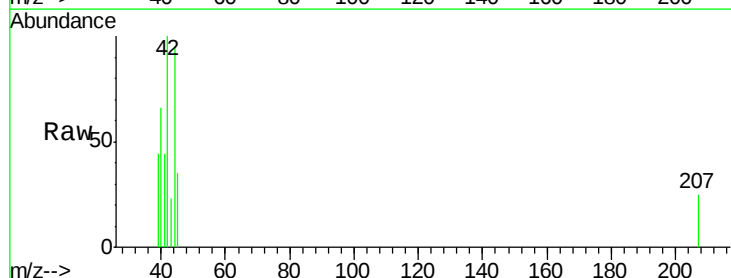
Tgt Ion: 42 Resp: 531

Ion Ratio Lower Upper

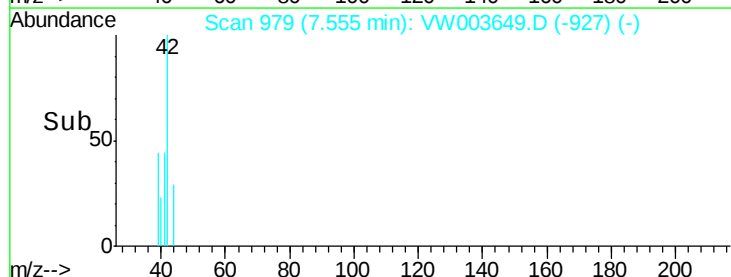
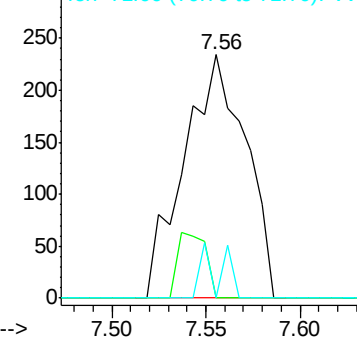
42 100

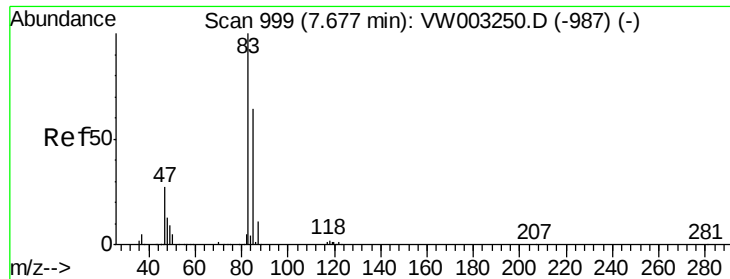
72 12.2 32.4 48.6#

71 7.2 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

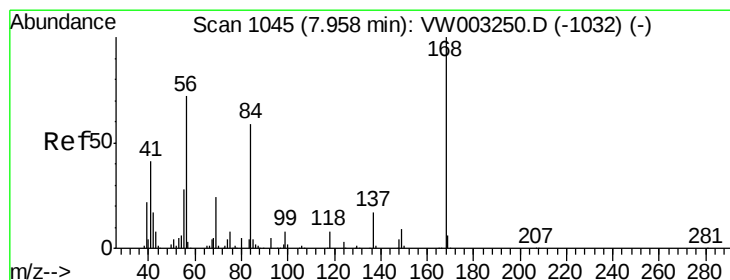
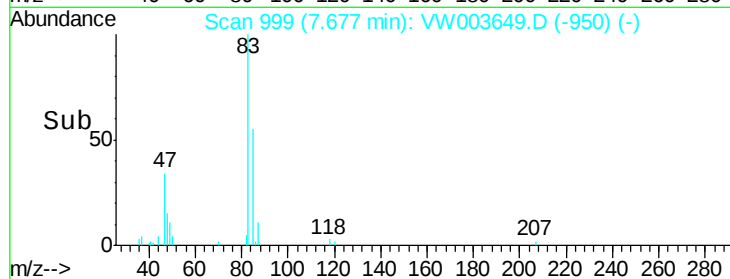
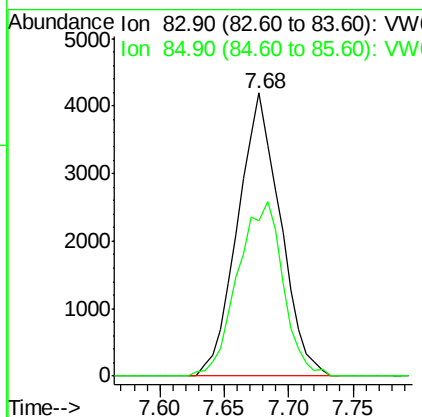
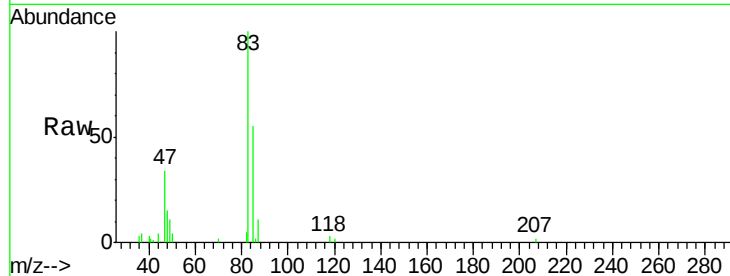




#30
Chloroform
Concen: 3.559 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

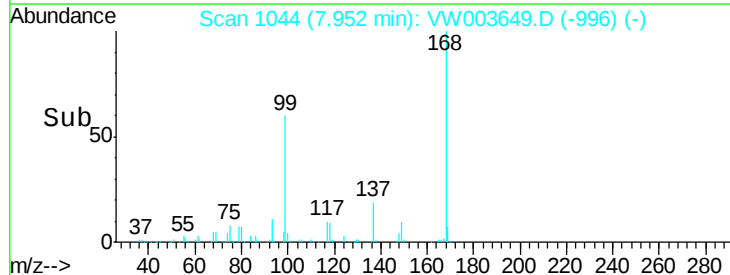
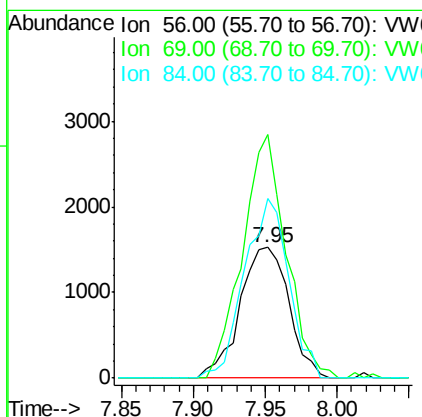
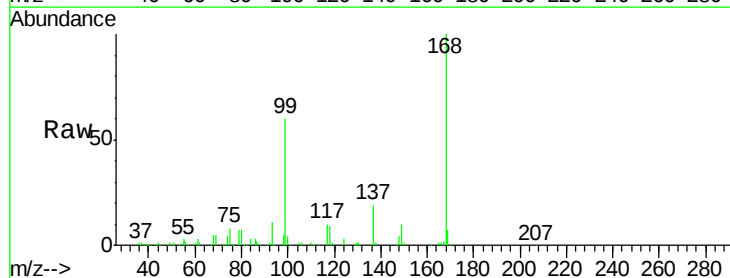
Instrument :
MSVOA_W
ClientSampleId :

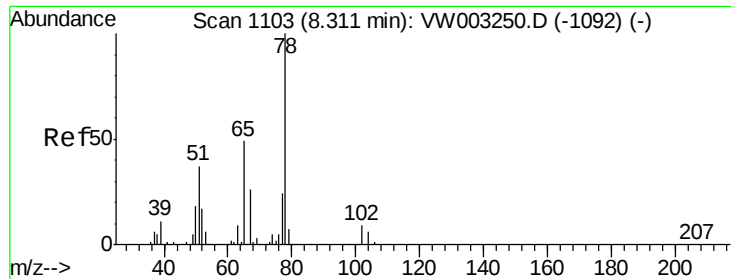
Tot Ion: 83 Resp: 9601
Ion Ratio Lower Upper
83 100
85 54.8 51.3 76.9



#31
Cyclohexane
Concen: 1.457 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Tgt Ion: 56 Resp: 3604
Ion Ratio Lower Upper
56 100
69 186.4 26.3 39.5#
84 137.5 65.7 98.5#





#33

1,2-Dichloroethane-d4

Concen: 47.587 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

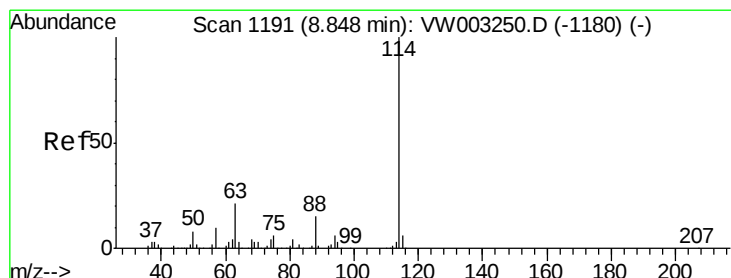
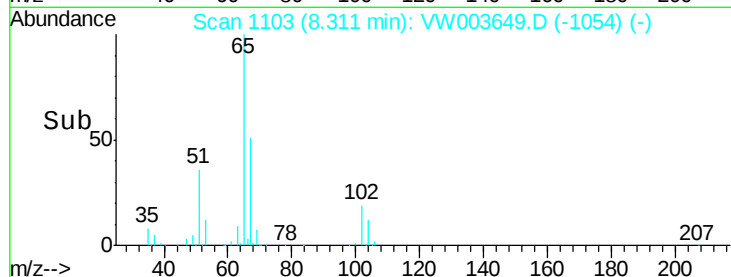
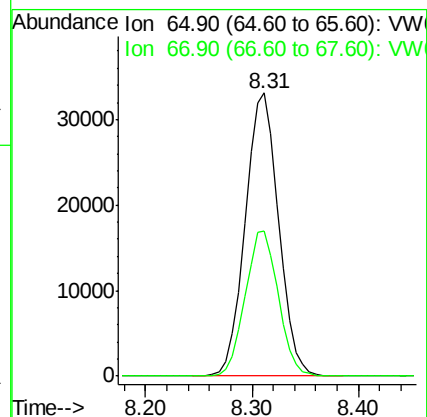
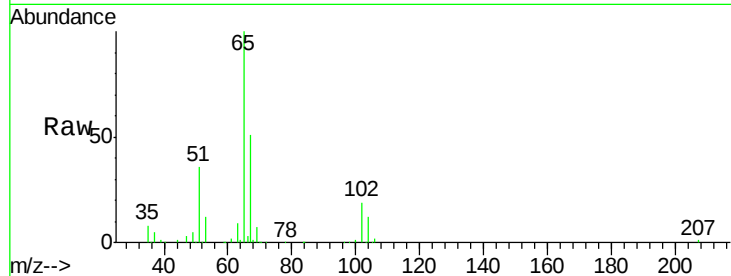
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 72846

Ion Ratio Lower Upper

65 100

67 50.8 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: VW003649.D

Acq: 28 Jun 2018 19:51

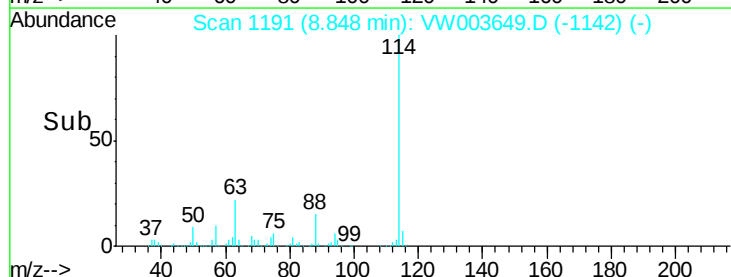
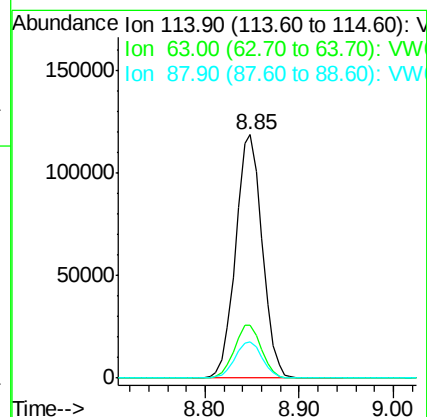
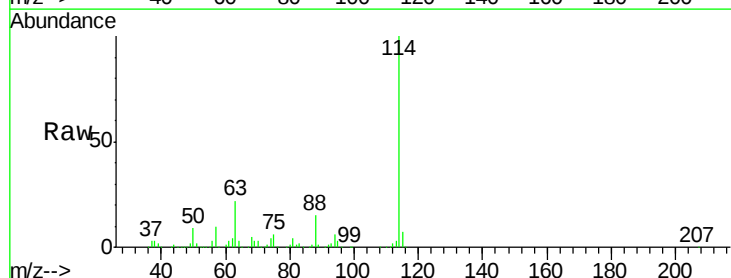
Tgt Ion: 114 Resp: 231267

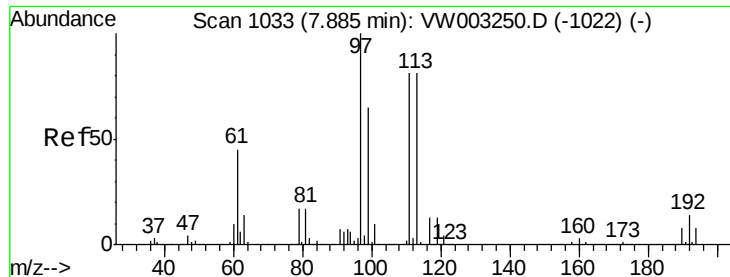
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.0

88 15.0 0.0 29.6

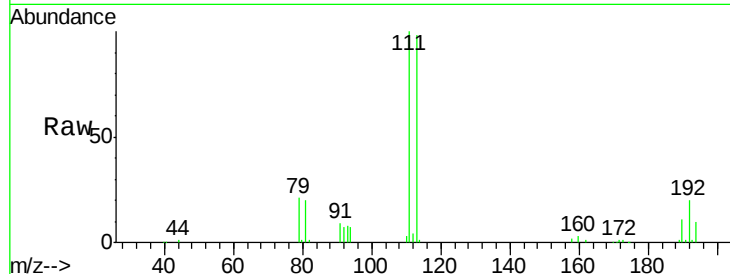




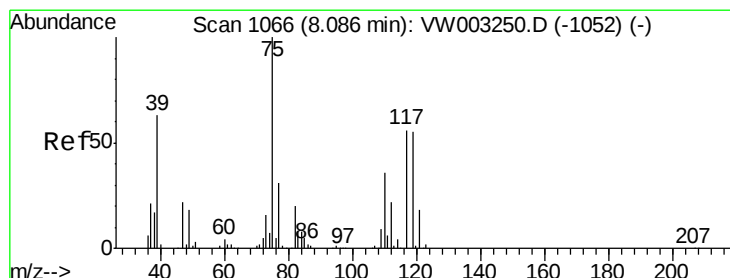
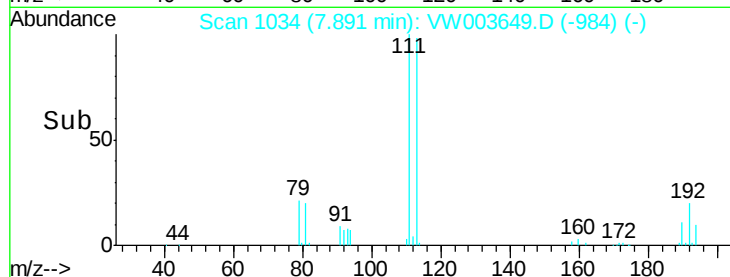
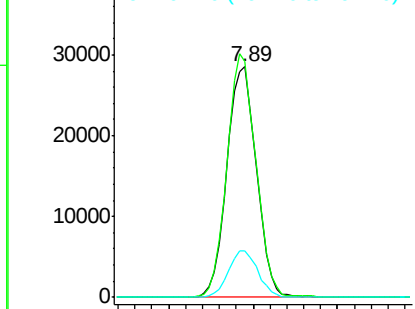
#35
Dibromofluoromethane
Concen: 47.406 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 68123
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.9 16.2 24.2

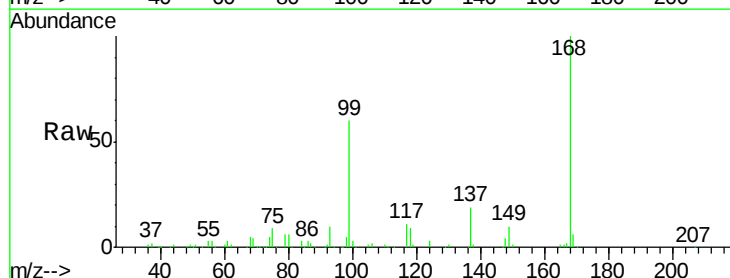


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

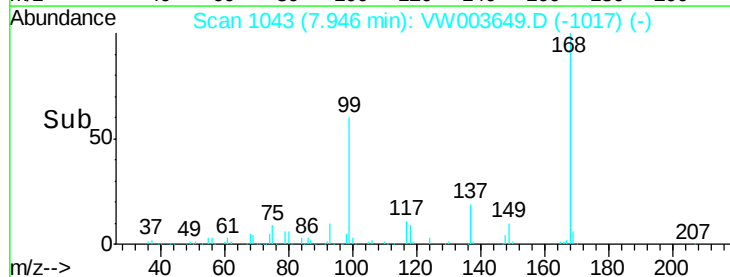
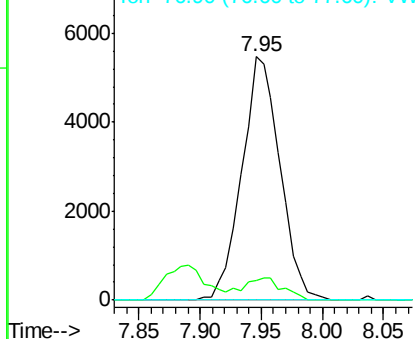


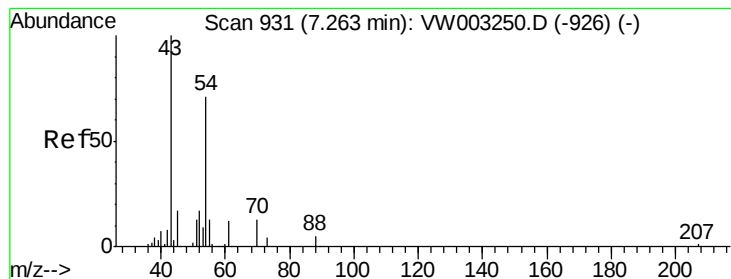
#36
1,1-Dichloropropene
Concen: 5.299 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.14 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Tgt Ion: 75 Resp: 11835
Ion Ratio Lower Upper
75 100
110 9.6 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





#37

Ethyl Acetate

Concen: 5.090 ug/l

RT: 7.20 min Scan# 920

Delta R.T. -0.07 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

Instrument :

MSVOA_W

ClientSampleId :

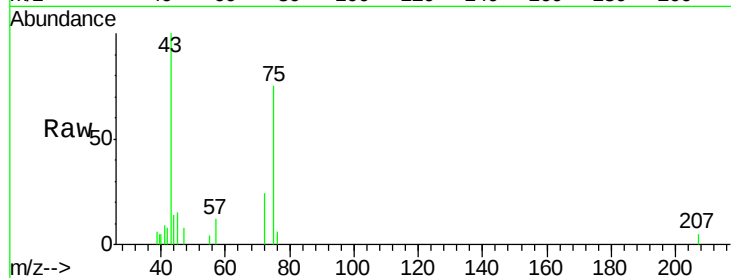
Tot Ion: 43 Resp: 4710

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

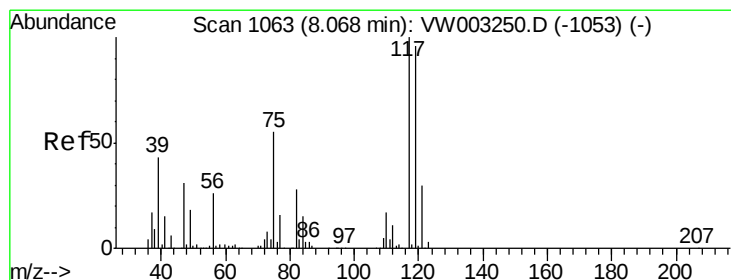
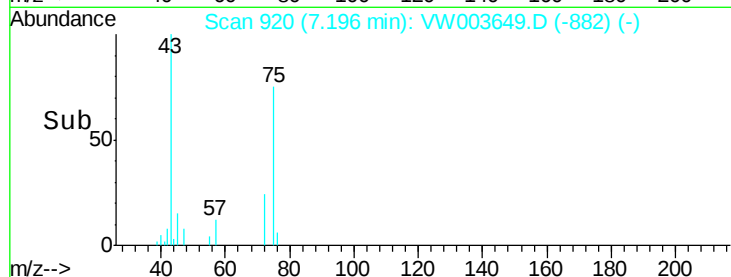
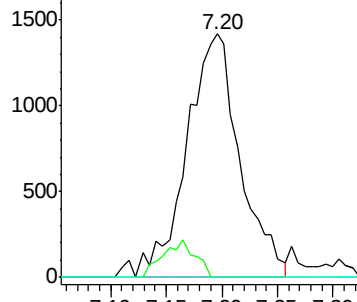
70 0.0 7.8 11.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.493 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

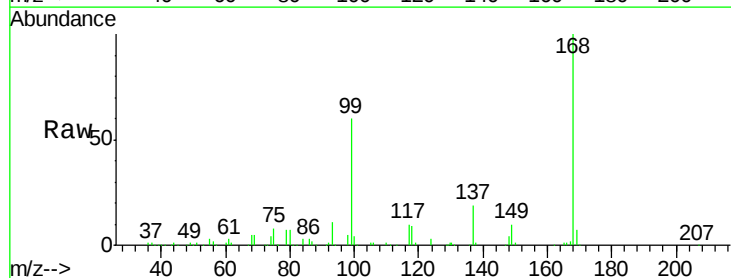
Tgt Ion: 117 Resp: 14224

Ion Ratio Lower Upper

117 100

119 6.1 76.6 115.0#

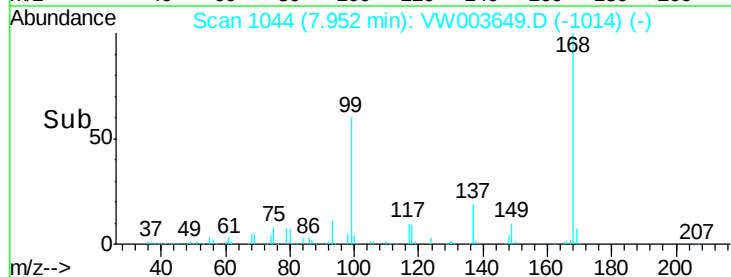
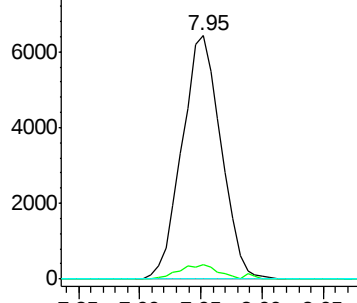
121 0.0 23.9 35.9#

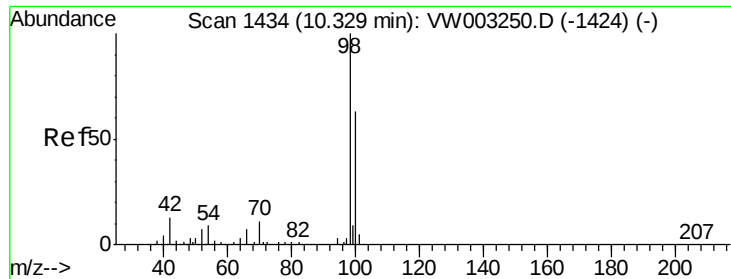


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

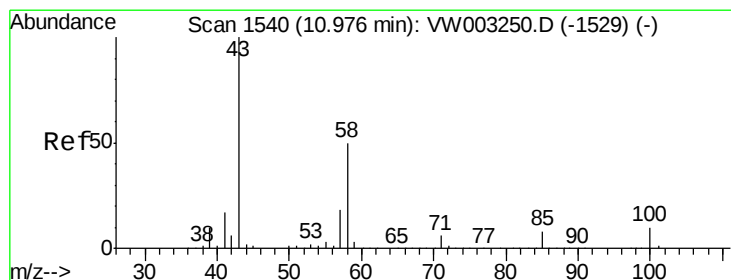
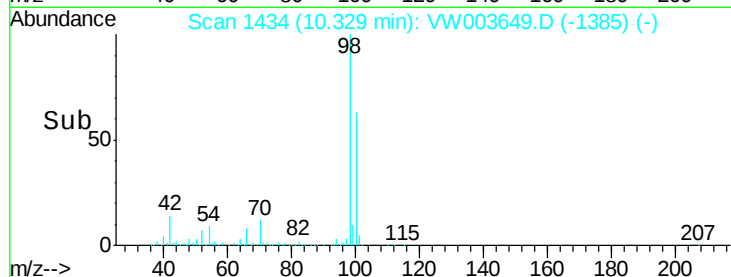
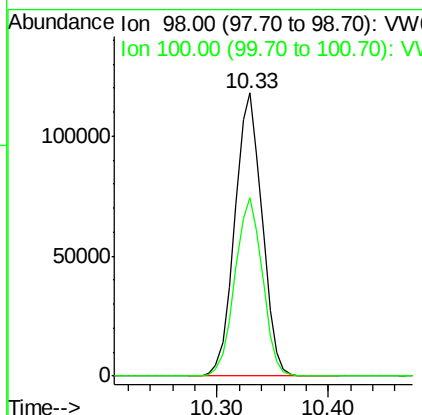
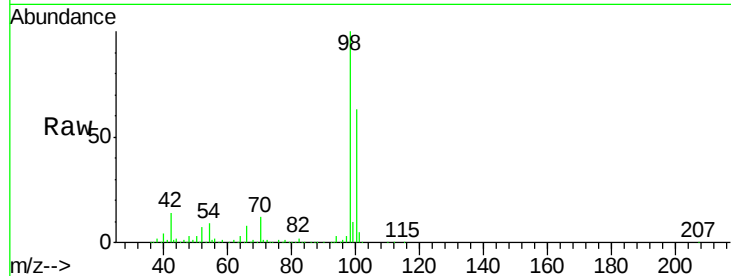




#50
Toluene-d8
Concen: 35.166 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

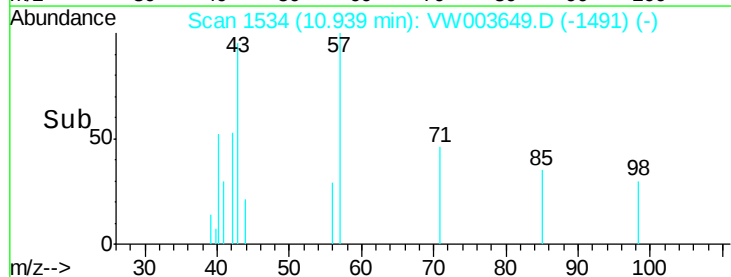
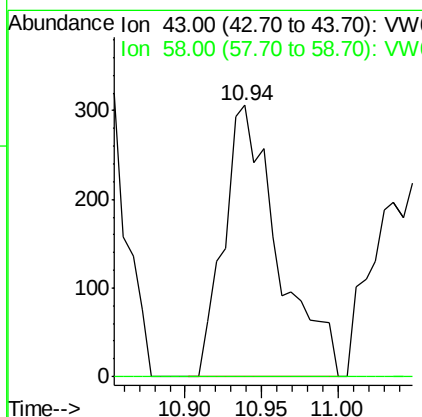
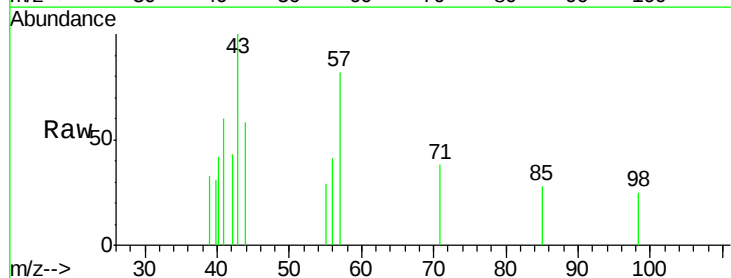
Instrument :
MSVOA_W
ClientSampled :

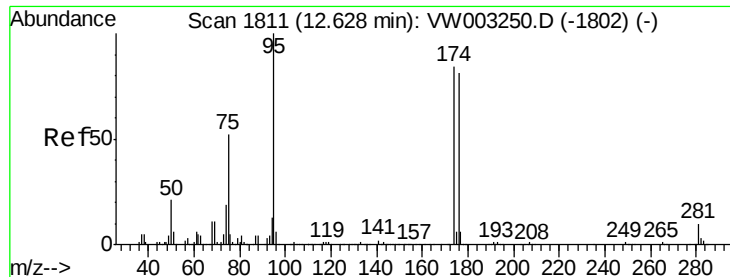
Tot Ion: 98 Resp: 200379
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2



#59
2-Hexanone
Concen: 1.148 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 0.0 25.0 75.0#

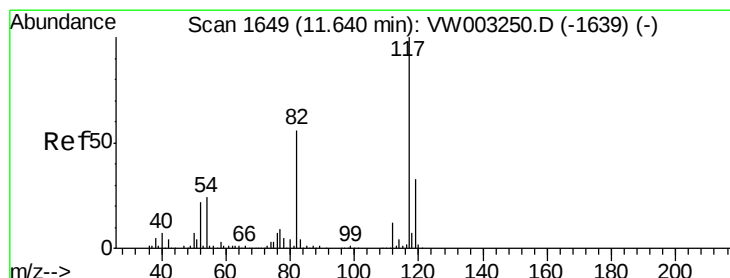
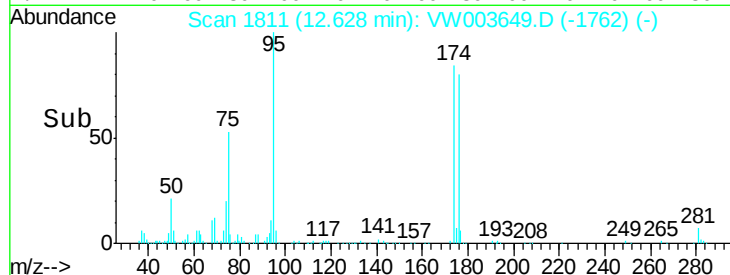
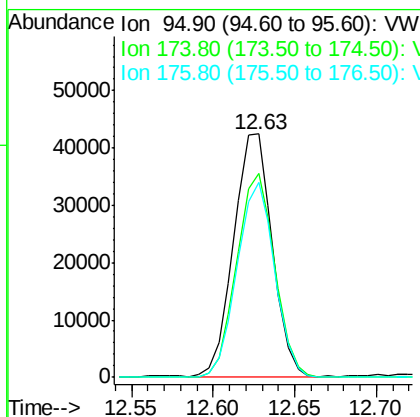
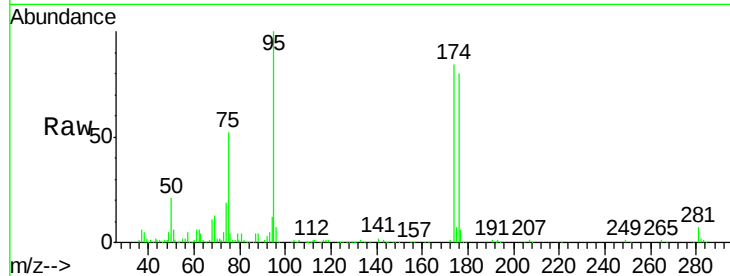




#62
4-Bromofluorobenzene
Concen: 34.668 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

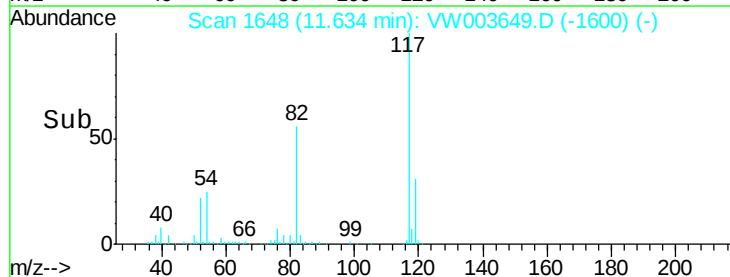
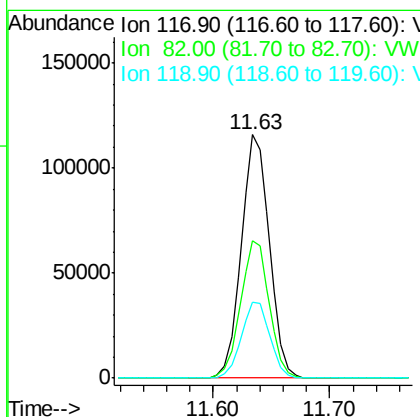
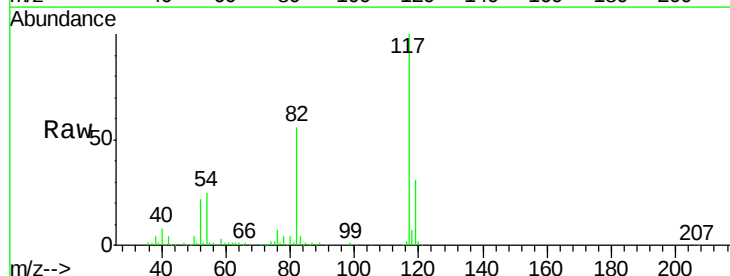
Instrument :
MSVOA_W
ClientSampled :

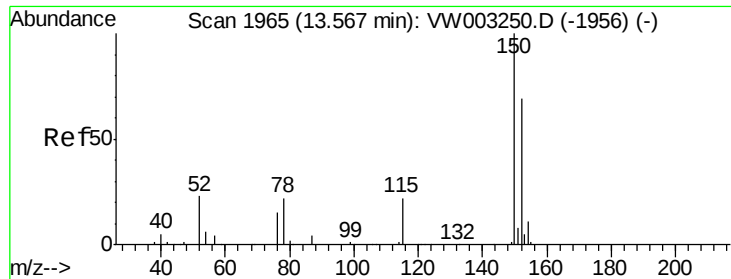
Tot Ion: 95 Resp: 69908
Ion Ratio Lower Upper
95 100
174 82.8 0.0 166.4
176 78.0 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003649.D
Acq: 28 Jun 2018 19:51

Tgt Ion: 117 Resp: 194307
Ion Ratio Lower Upper
117 100
82 56.4 44.6 67.0
119 31.4 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: VW003649.D

Acq: 28 Jun 2018 19:51

Instrument :

MSVOA_W

ClientSampleId :

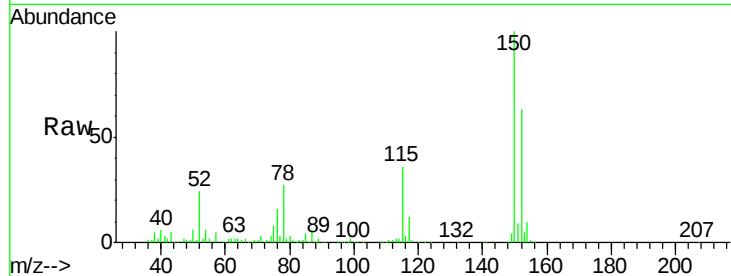
Tot Ion:152 Resp: 73817

Ion Ratio Lower Upper

152 100

115 57.8 29.3 88.0

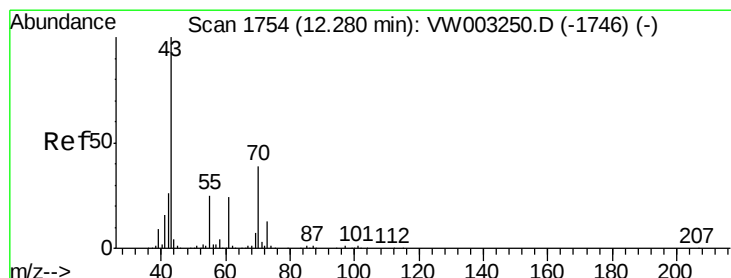
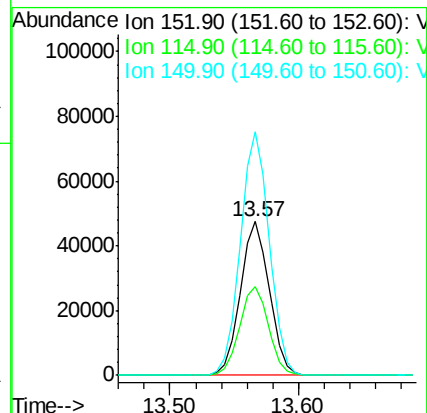
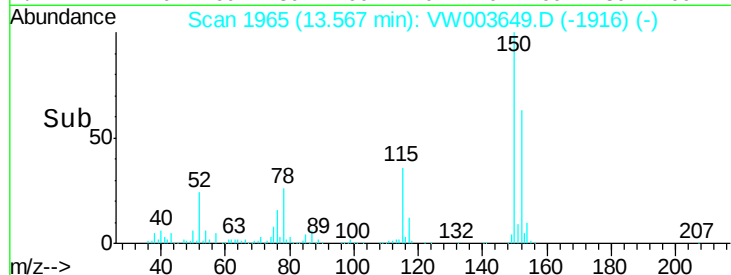
150 157.7 0.0 349.6



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-ethyl acetate

Concen: 1.789 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

Tgt Ion: 43 Resp: 2091

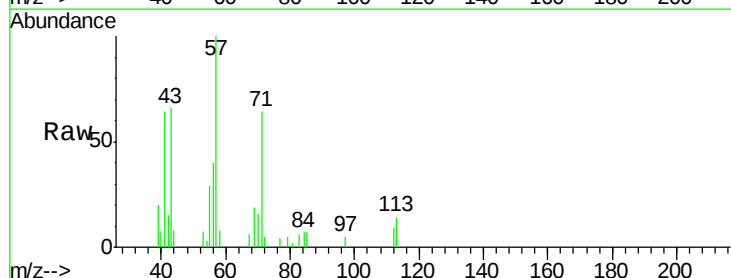
Ion Ratio Lower Upper

43 100

70 41.8 31.0 46.6

55 56.1 19.7 29.5#

61 0.0 18.1 27.1#

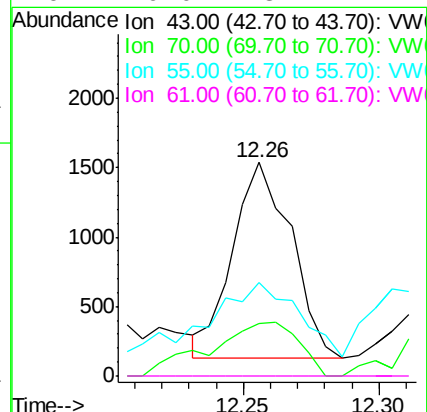
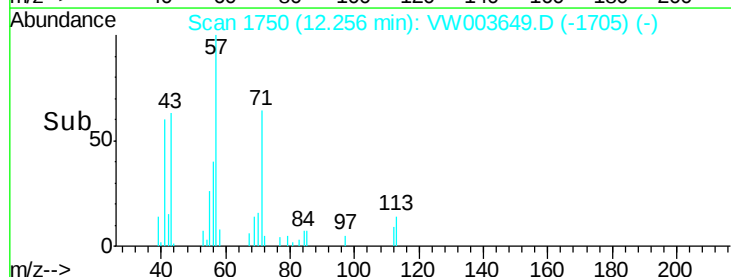


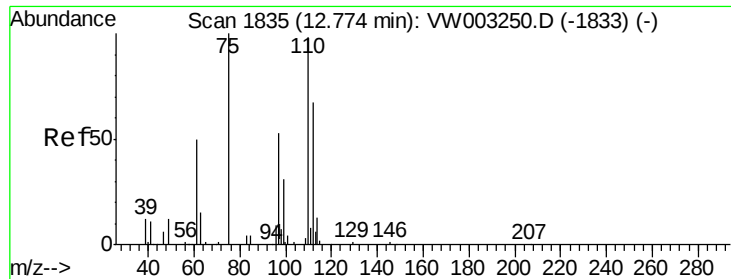
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#76

1,2,3-Trichloropropane

Concen: 61.036 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

Instrument :

MSVOA_W

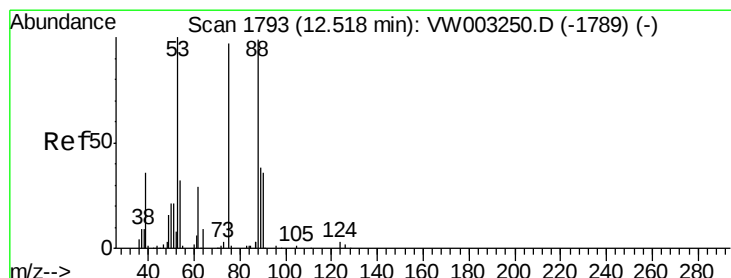
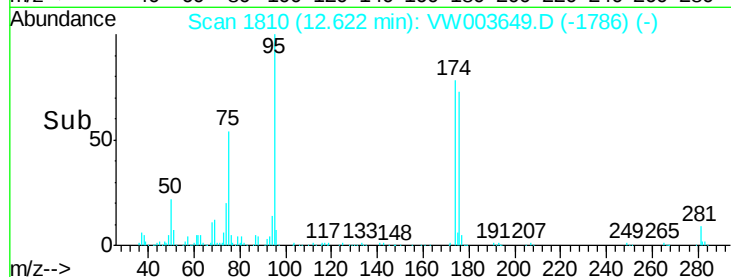
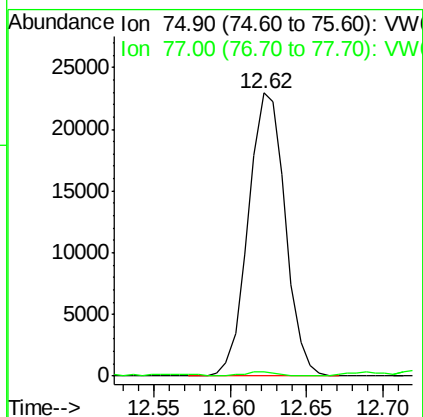
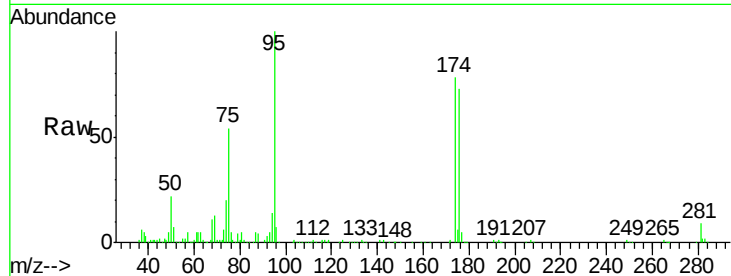
ClientSampled :

Tot Ion: 75 Resp: 38517

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.448 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003649.D

Acq: 28 Jun 2018 19:51

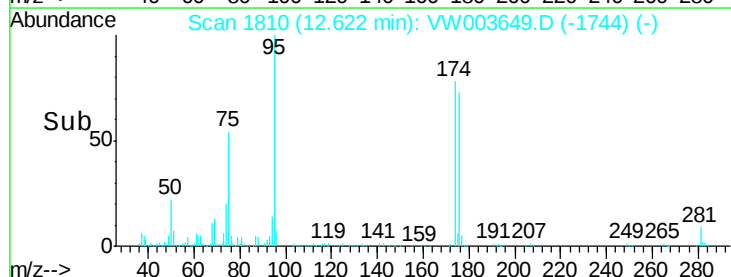
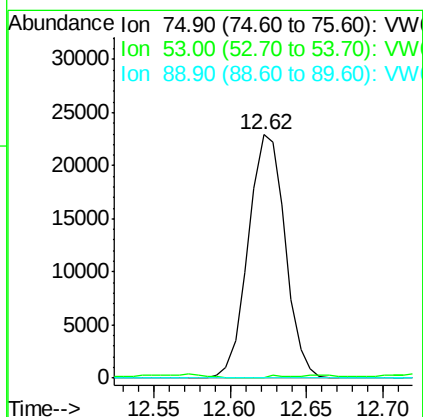
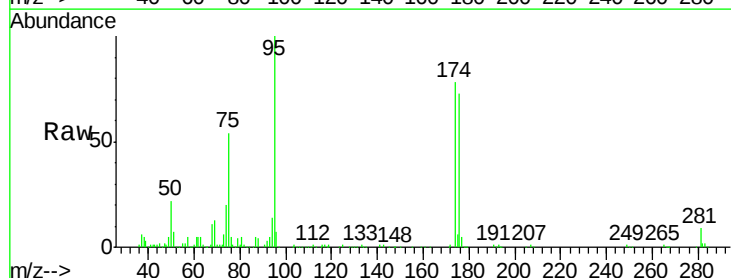
Tgt Ion: 75 Resp: 38517

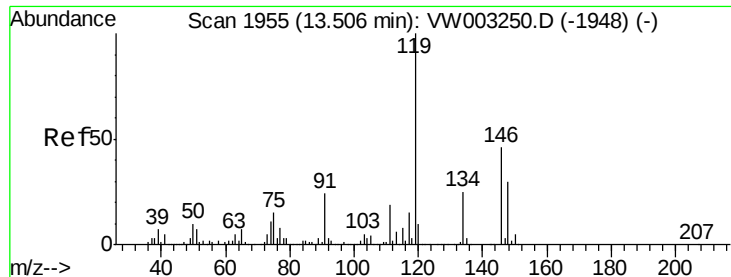
Ion Ratio Lower Upper

75 100

53 0.8 82.9 124.3#

89 0.0 36.7 55.1#





#86
 p-Isopropyltoluene
 Concen: 1.038 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003649.D
 Acq: 28 Jun 2018 19:51

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.9	12.9	38.7
91	36.9	11.8	35.3

