

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005456.D
 Acq On : 18 Sep 2018 03:19
 Operator : SY/AP
 Sample : J4949-01
 Misc : 4.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 153

Quant Time: Sep 18 06:04:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	152011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	239774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	83626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	36949	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91168	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	
35) Dibromofluoromethane	7.89	113	69357	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.33	98	107735	17.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.00%	
62) 4-Bromofluorobenzene	12.62	95	43643	19.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.66%	

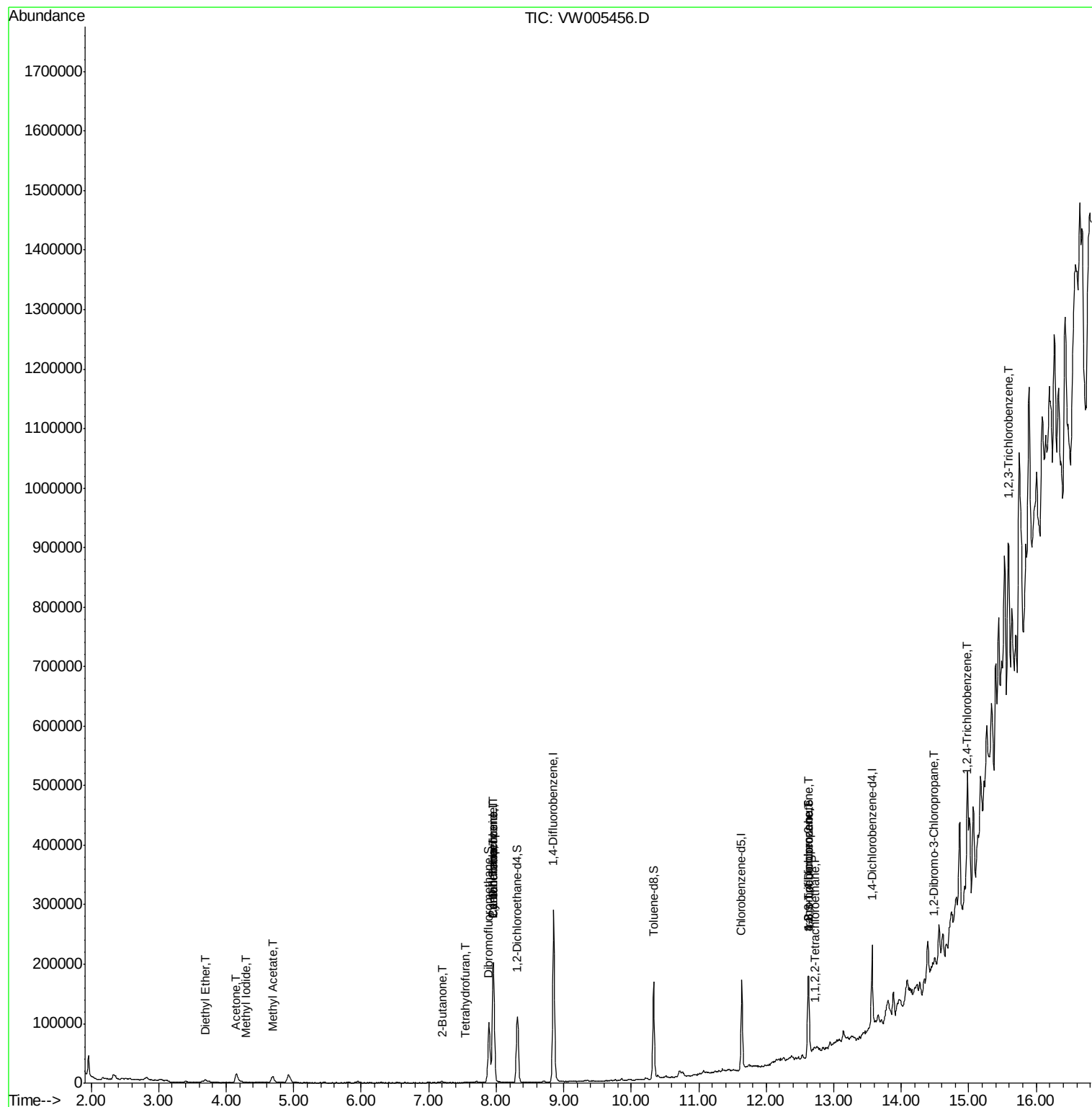
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.00	85	309	Below Cal		93
5) Bromomethane	2.78	94	446	Below Cal	#	60
8) Diethyl Ether	3.69	74	1613	2.437 ug/l	#	1
10) Methyl Iodide	4.29	142	129	4.123 ug/l	#	38
11) Tert butyl alcohol	5.21	59	39	Below Cal	#	71
13) Acrolein	3.63	56	22	Below Cal	#	12
16) Acetone	4.15	43	29268	119.587 ug/l		95
18) Methyl Acetate	4.68	43	22251	29.346 ug/l		98
25) 2-Butanone	7.20	43	2784	7.335 ug/l		99
29) Tetrahydrofuran	7.55	42	376	1.555 ug/l	#	49
31) Cyclohexane	7.95	56	4075	1.618 ug/l	#	24
36) 1,1-Dichloropropene	7.96	75	12390	5.460 ug/l	#	51
38) Carbon Tetrachloride	7.96	117	14801	6.259 ug/l	#	17
75) 1,1,2,2-Tetrachloroethane	12.71	83	755	1.997 ug/l	#	26
76) 1,2,3-Trichloropropane	12.63	75	22093	72.699 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.63	75	22093	188.586 ug/l	#	11
92) 1,2-Dibromo-3-Chloropropan	14.48	75	80	1.101 ug/l	#	8
93) 1,2,4-Trichlorobenzene	14.96	180	1205	1.663 ug/l		60
96) 1,2,3-Trichlorobenzene	15.59	180	26389	41.720 ug/l	#	12

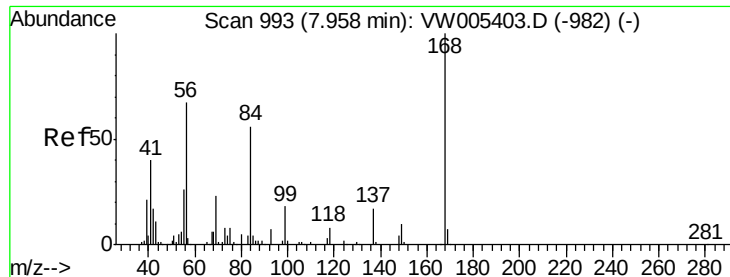
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

Instrument :

MSVOA_W

ClientSampleId :

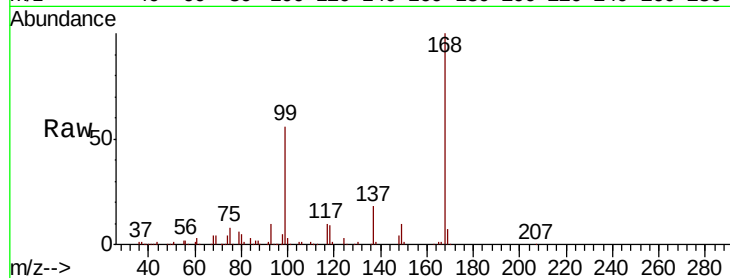
153

Tgt Ion:168 Resp: 152011

Ion Ratio Lower Upper

168 100

99 56.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

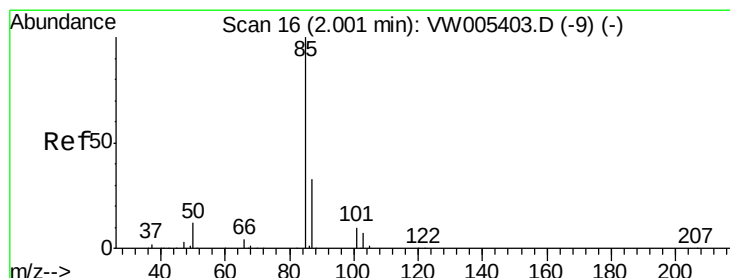
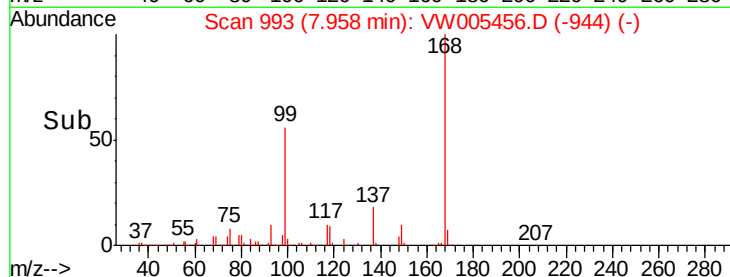
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005456.D

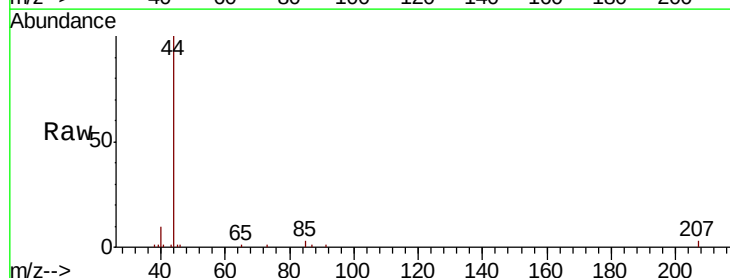
Acq: 18 Sep 2018 03:19

Tgt Ion: 85 Resp: 309

Ion Ratio Lower Upper

85 100

87 28.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

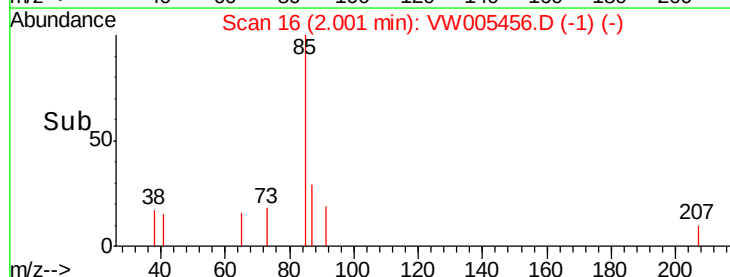
300

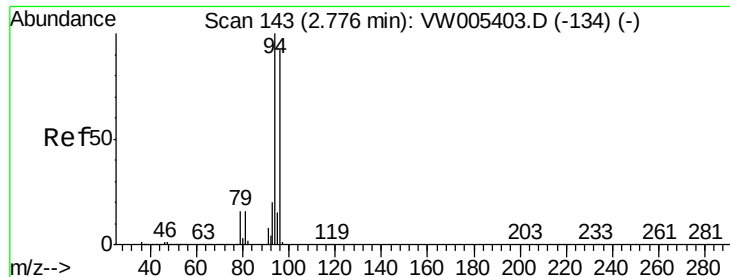
200

100

0

Time--> 1.98 2.00 2.02 2.04





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

Instrument :

MSVOA_W

ClientSampled :

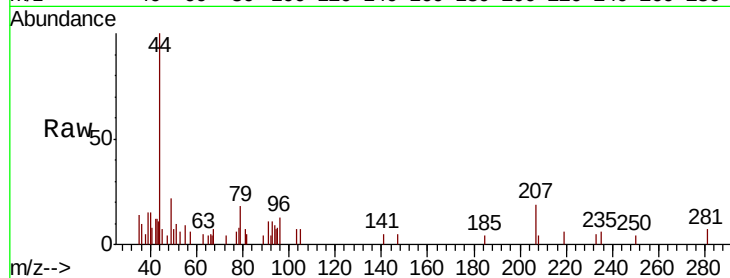
153

Tgt Ion: 94 Resp: 446

Ion Ratio Lower Upper

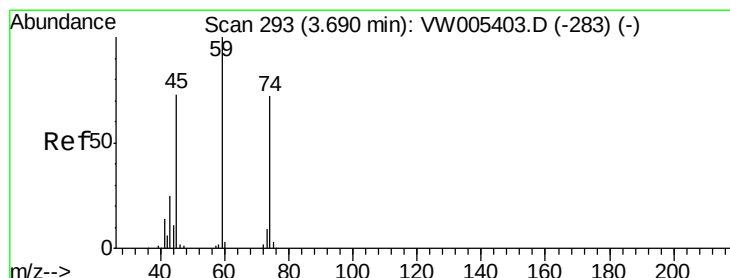
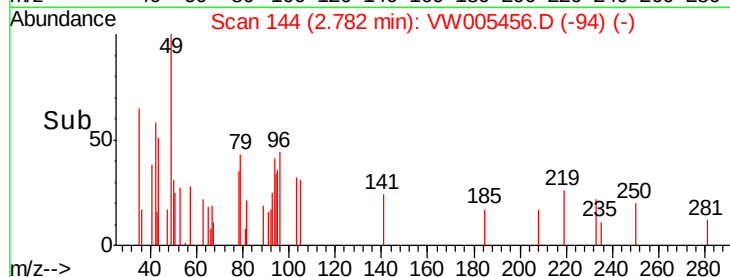
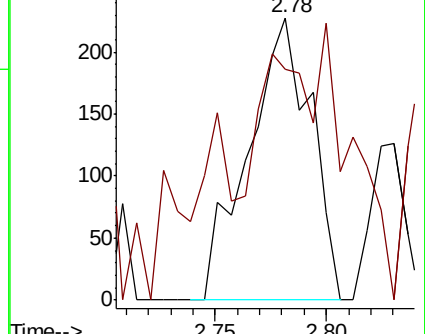
94 100

96 53.9 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#8

Diethyl Ether

Concen: 2.437 ug/l

RT: 3.69 min Scan# 293

Delta R.T. -0.00 min

Lab File: VW005456.D

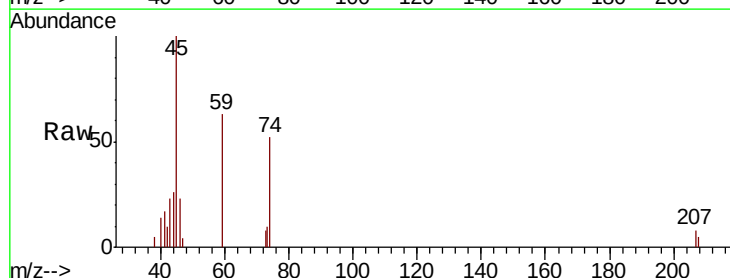
Acq: 18 Sep 2018 03:19

Tgt Ion: 74 Resp: 1613

Ion Ratio Lower Upper

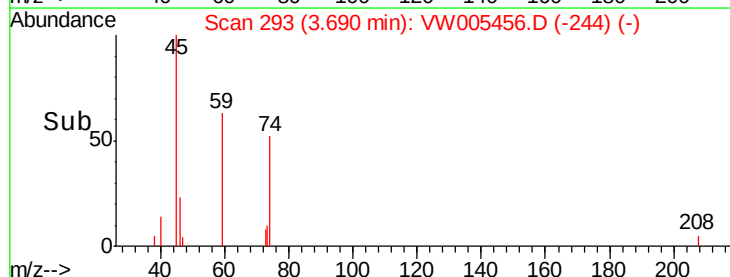
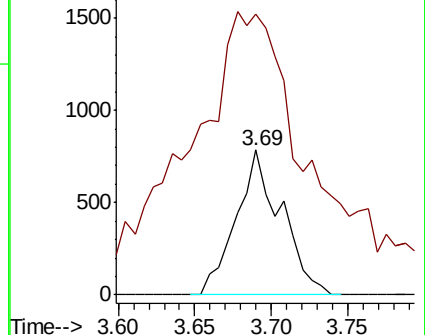
74 100

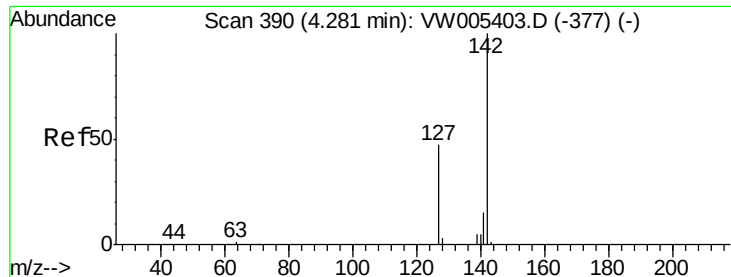
45 573.3 53.1 159.3#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

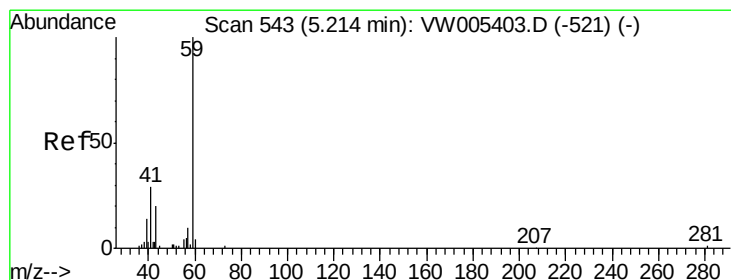
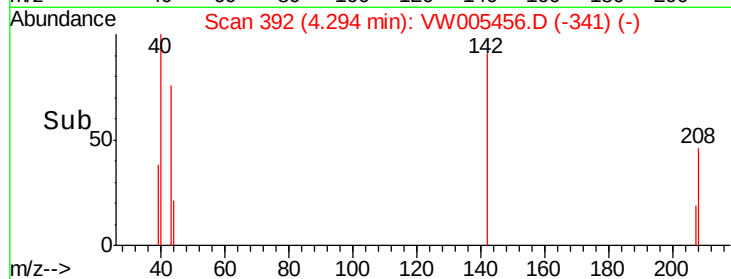
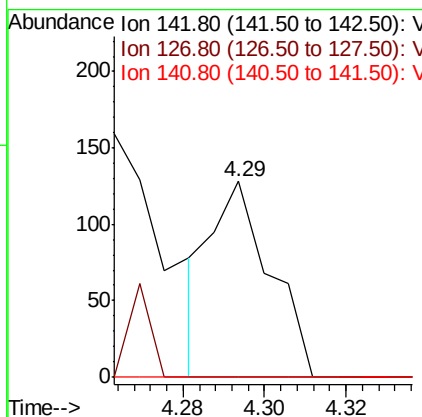
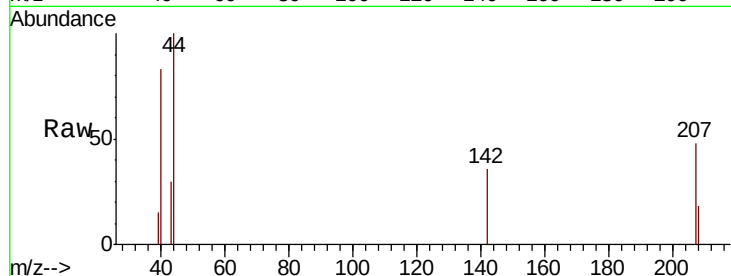




#10
Methyl Iodide
Concen: 4.123 ug/l
RT: 4.29 min Scan# 392
Delta R.T. 0.01 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

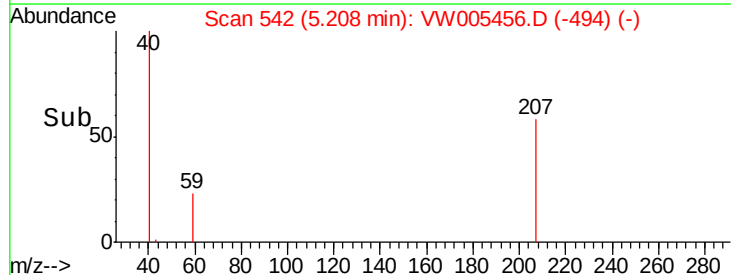
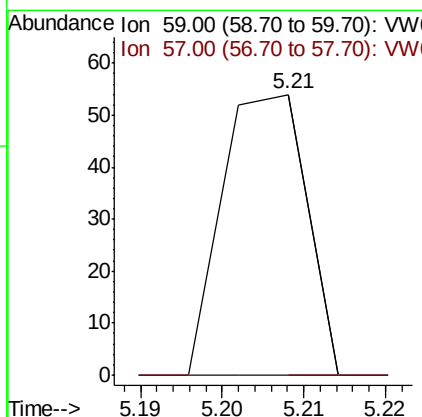
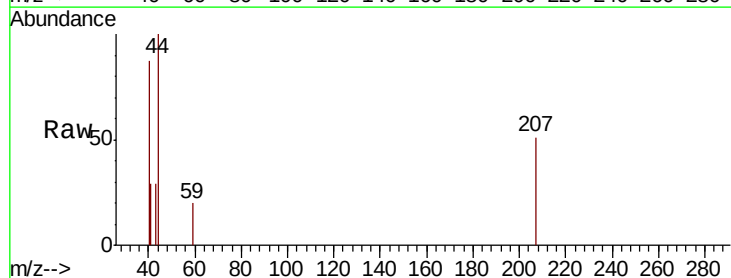
Instrument :
MSVOA_W
ClientSampled :
153

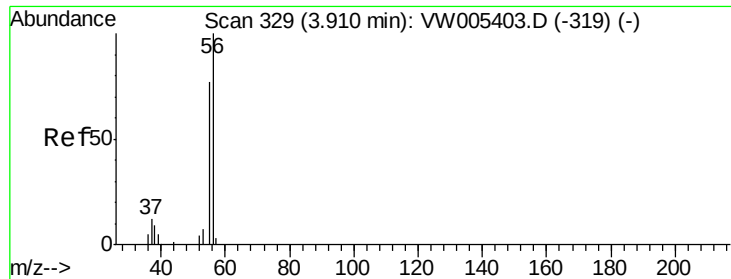
Tgt Ion: 142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.4 18.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

Tgt Ion: 59 Resp: 39
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#





#13

Acrolein

Concen: Below Cal

RT: 3.63 min Scan# 283

Delta R.T. -0.28 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

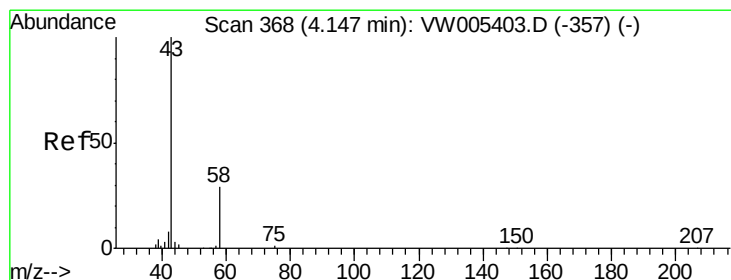
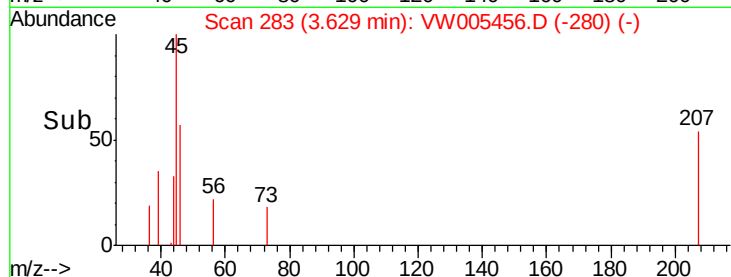
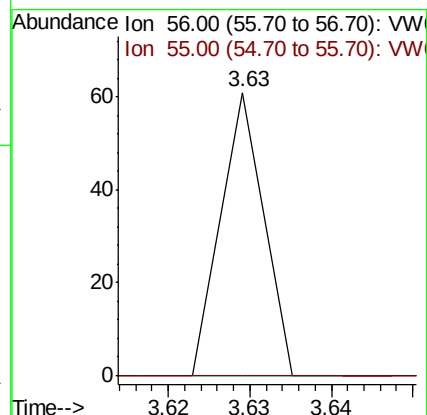
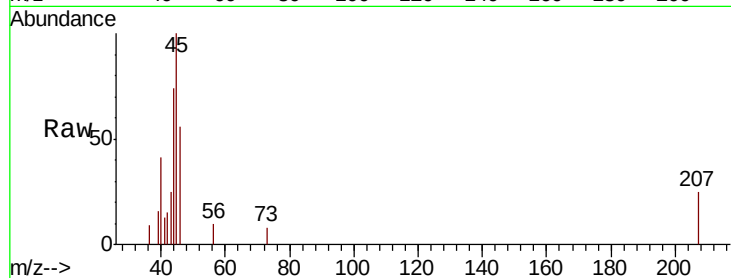
Instrument :
MSVOA_W
ClientSampleId :
153

Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 59.8 89.8#



#16

Acetone

Concen: 119.587 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005456.D

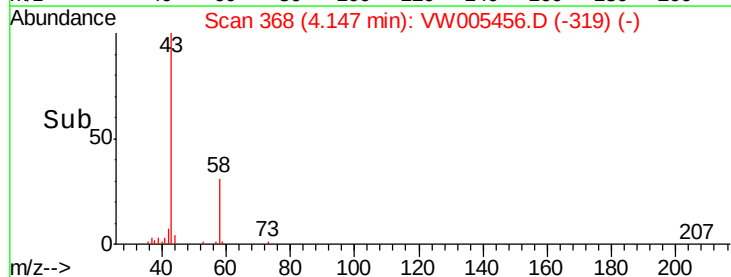
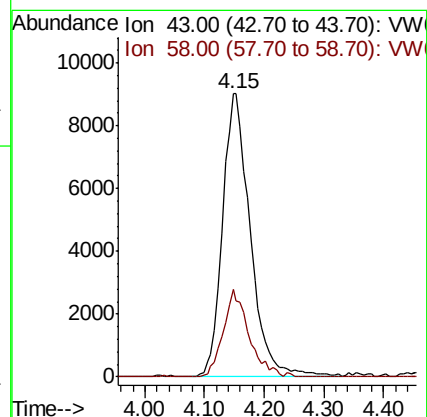
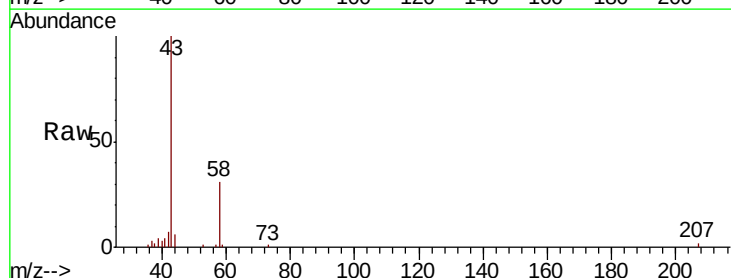
Acq: 18 Sep 2018 03:19

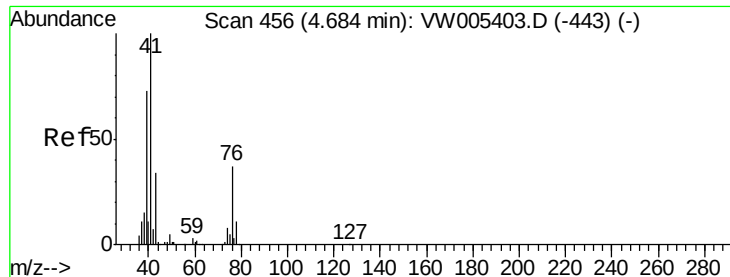
Tgt Ion: 43 Resp: 29268

Ion Ratio Lower Upper

43 100

58 31.0 22.8 34.2

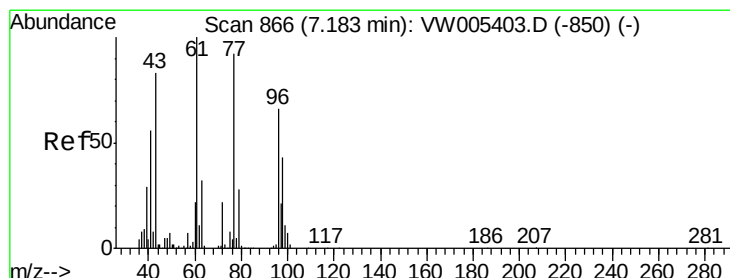
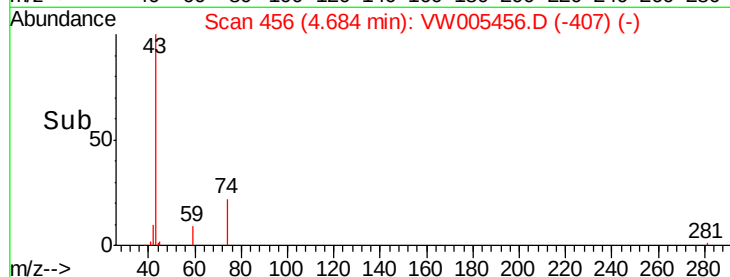
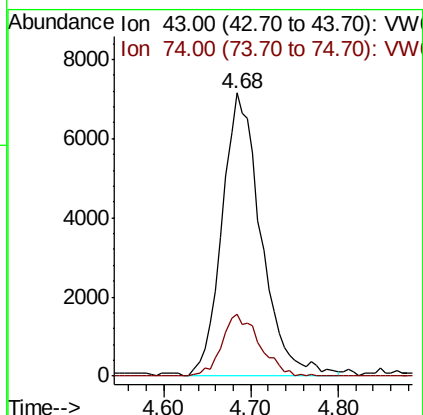
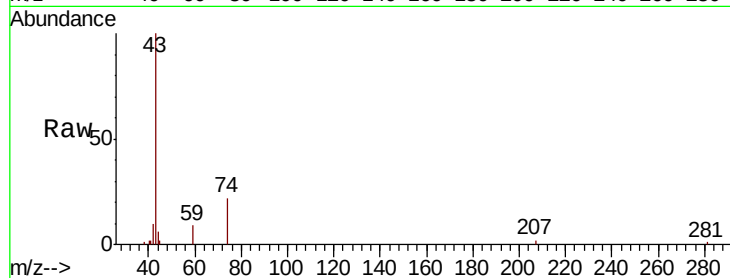




#18
Methyl Acetate
Concen: 29.346 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

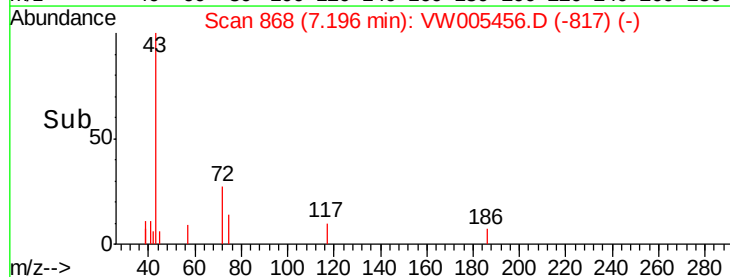
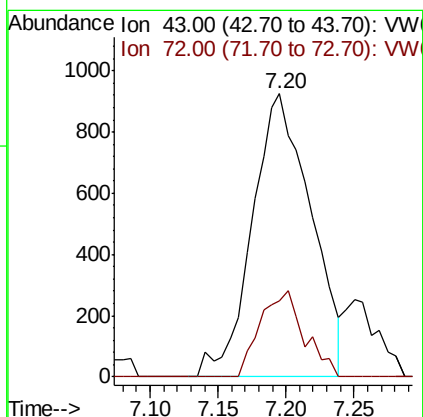
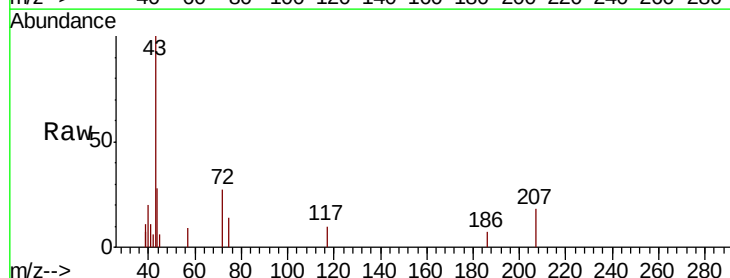
Instrument :
MSVOA_W
ClientSampled :
153

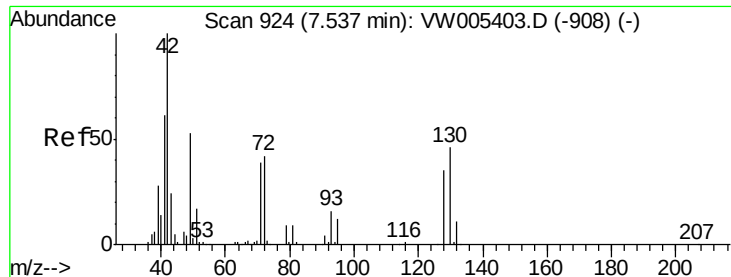
Tgt Ion: 43 Resp: 22251
Ion Ratio Lower Upper
43 100
74 20.9 17.7 26.5



#25
2-Butanone
Concen: 7.335 ug/l
RT: 7.20 min Scan# 868
Delta R.T. 0.01 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

Tgt Ion: 43 Resp: 2784
Ion Ratio Lower Upper
43 100
72 27.0 21.1 31.7

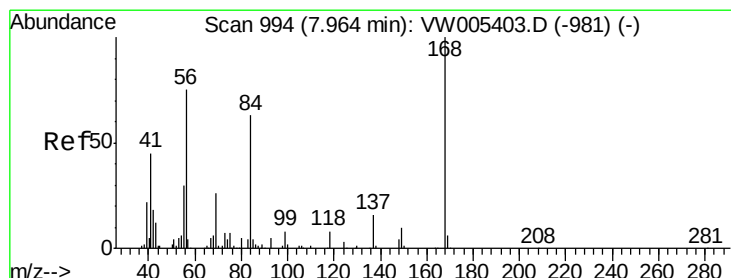
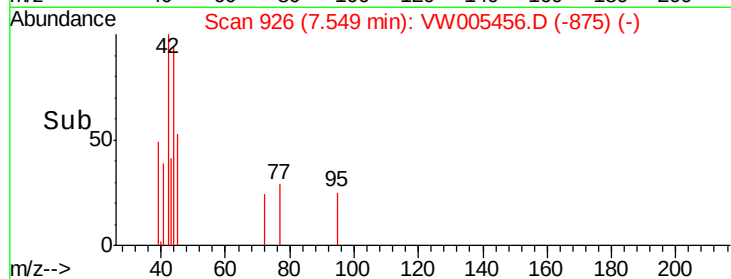
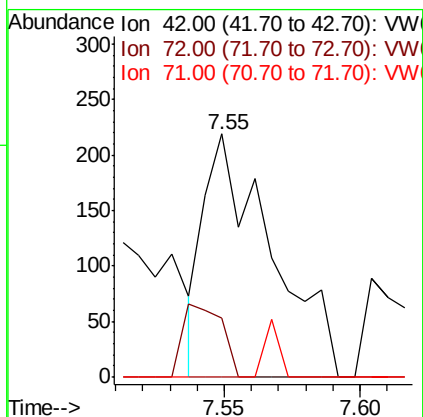
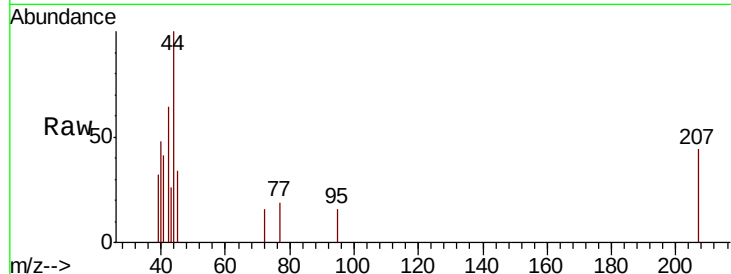




#29
Tetrahydrofuran
Concen: 1.555 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

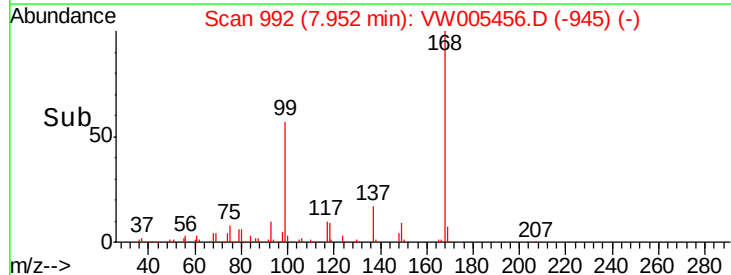
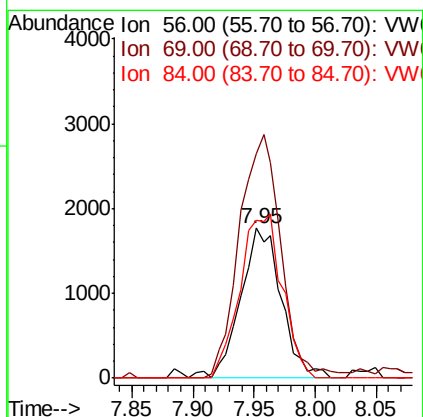
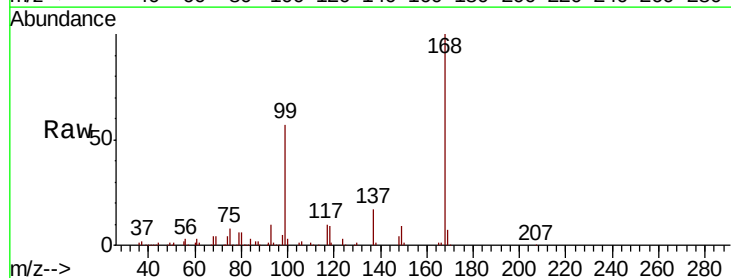
Instrument :
MSVOA_W
ClientSampled :
153

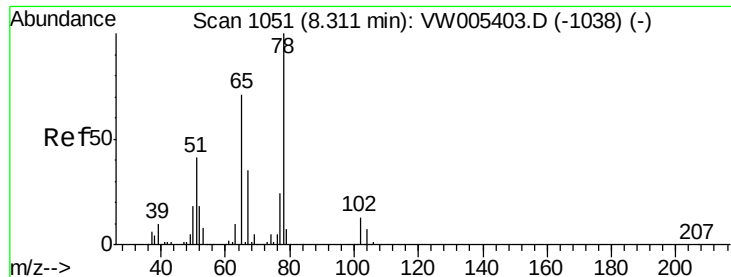
Tgt Ion: 42 Resp: 376
Ion Ratio Lower Upper
42 100
72 17.3 33.2 49.8#
71 0.0 31.0 46.6#



#31
Cyclohexane
Concen: 1.618 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

Tgt Ion: 56 Resp: 4075
Ion Ratio Lower Upper
56 100
69 149.9 27.2 40.8#
84 105.0 66.7 100.1#

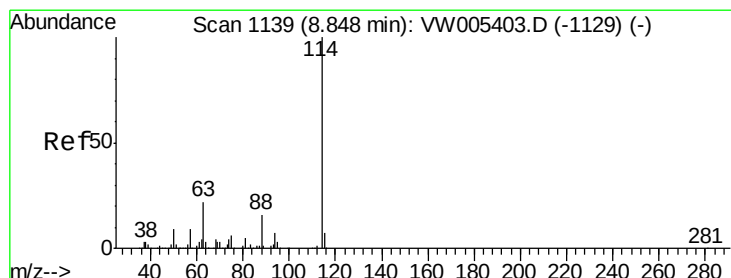
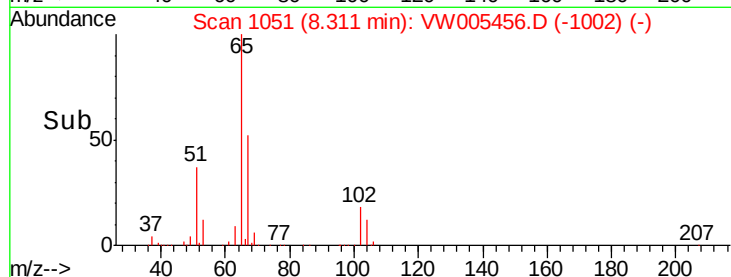
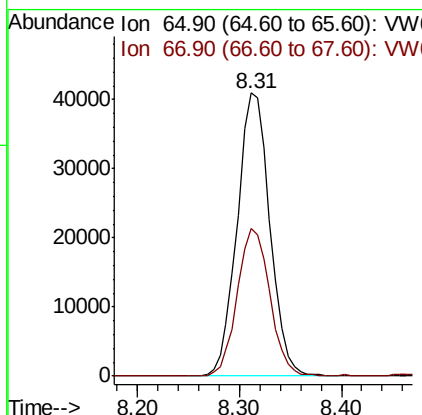
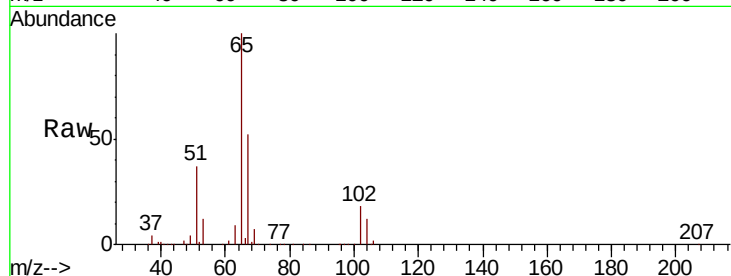




#33
 1,2-Dichloroethane-d4
 Concen: 57.779 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

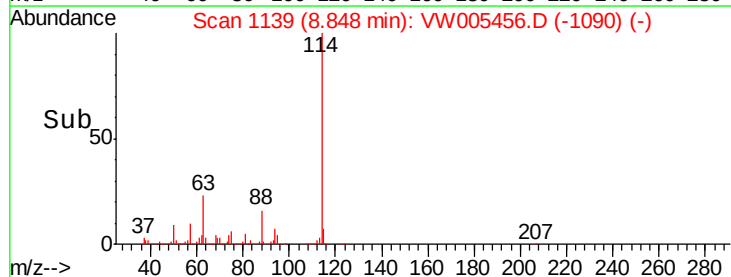
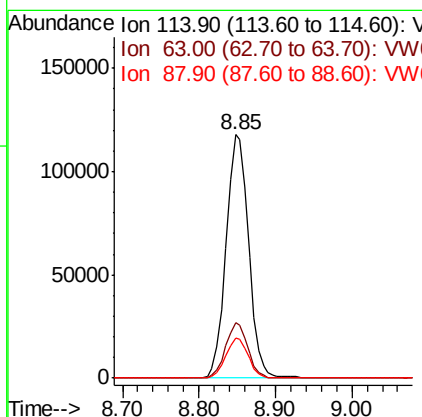
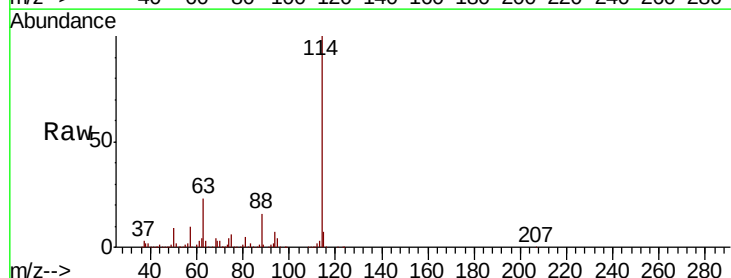
Instrument :
 MSVOA_W
 ClientSampleId :
 153

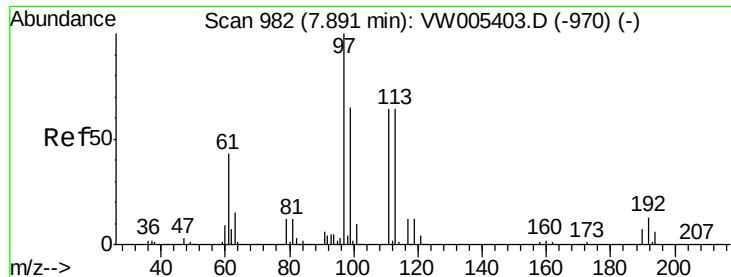
Tgt Ion: 65 Resp: 91168
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

Tgt Ion: 114 Resp: 239774
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.4
 88 16.4 0.0 31.8

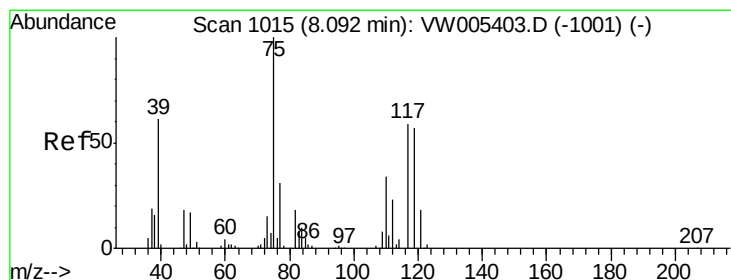
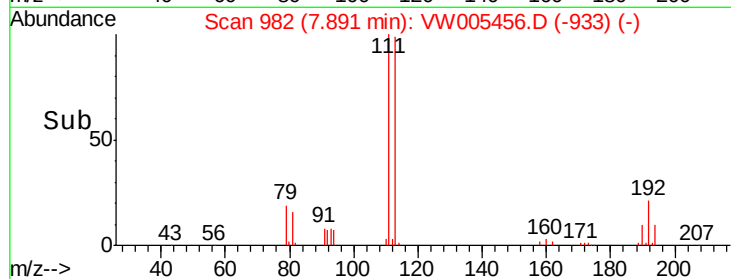
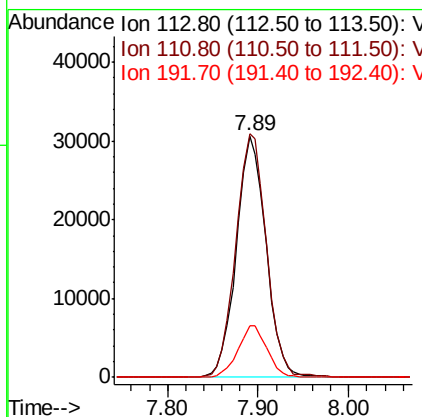
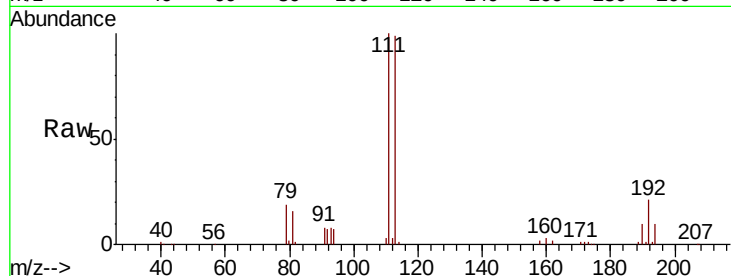




#35
 Dibromofluoromethane
 Concen: 51.590 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

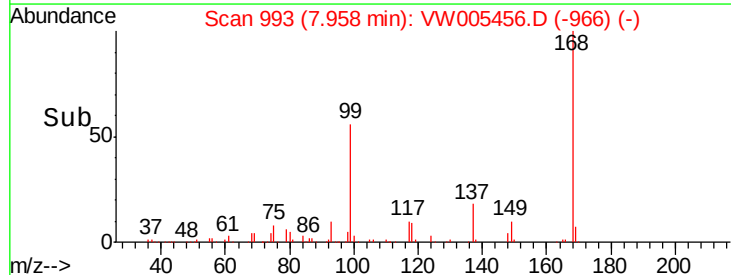
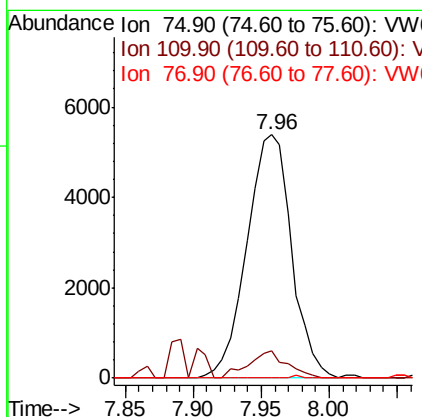
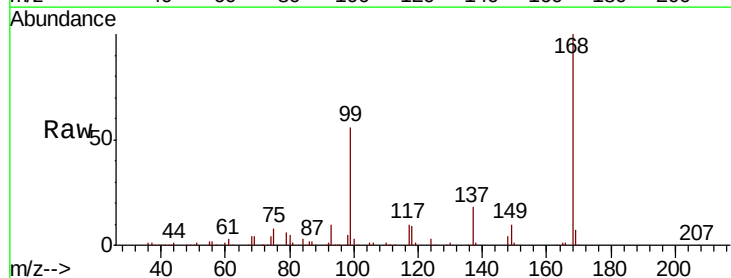
Instrument :
 MSVOA_W
 ClientSampleId :
 153

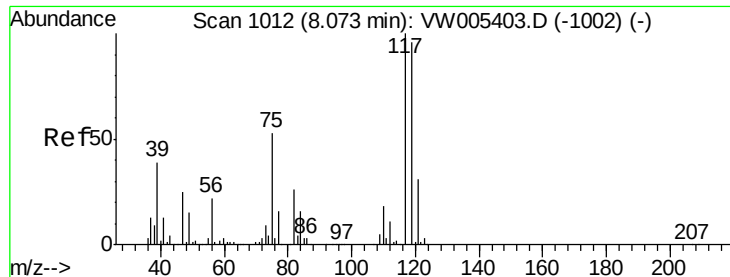
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	21.0	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.460 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.8	50.4#
77	0.2	24.2	36.4#

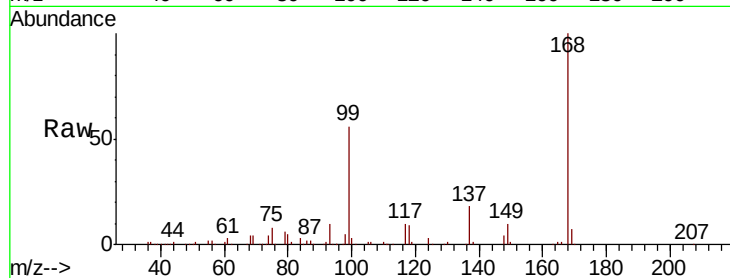




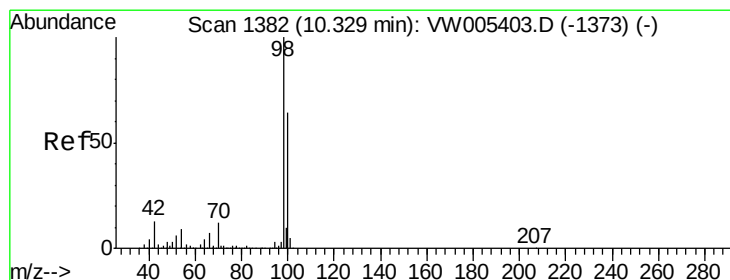
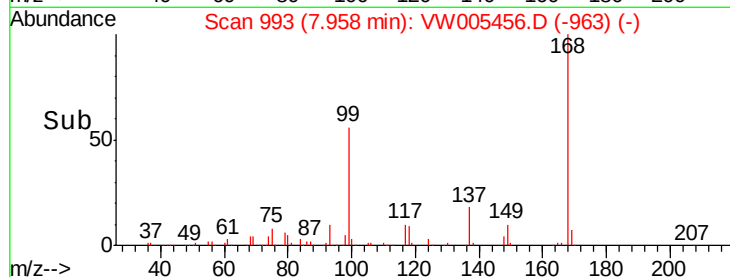
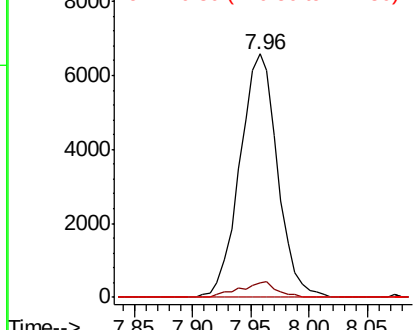
#38
Carbon Tetrachloride
Concen: 6.259 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.12 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

Instrument :
MSVOA_W
ClientSampleId :
153

Tgt Ion:117 Resp: 14801
Ion Ratio Lower Upper
117 100
119 6.0 76.8 115.2#
121 0.0 24.7 37.1#

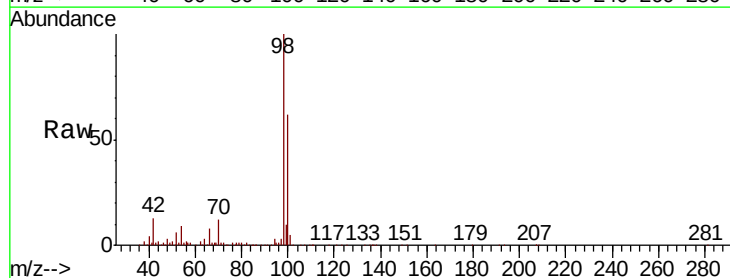


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

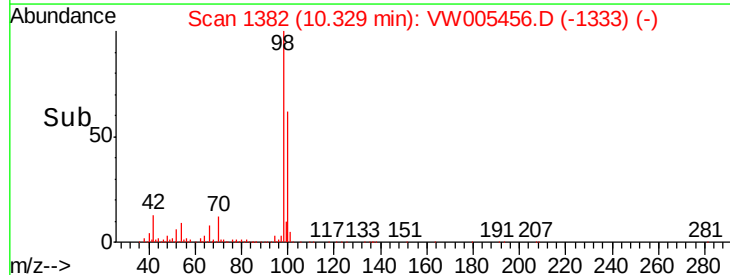
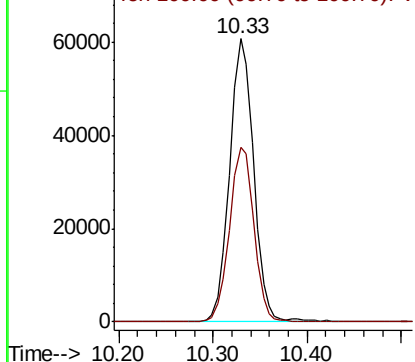


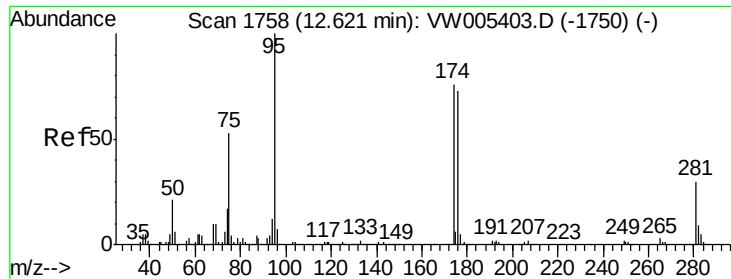
#50
Toluene-d8
Concen: 17.499 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005456.D
Acq: 18 Sep 2018 03:19

Tgt Ion: 98 Resp: 107735
Ion Ratio Lower Upper
98 100
100 62.9 51.4 77.0



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

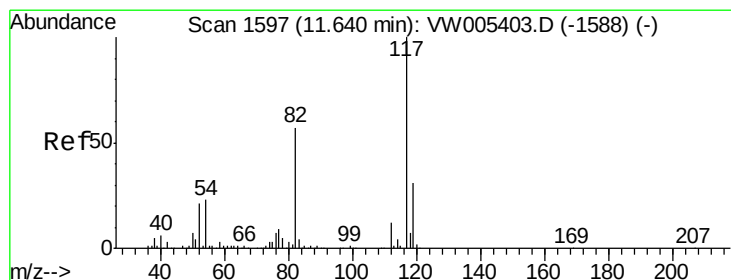
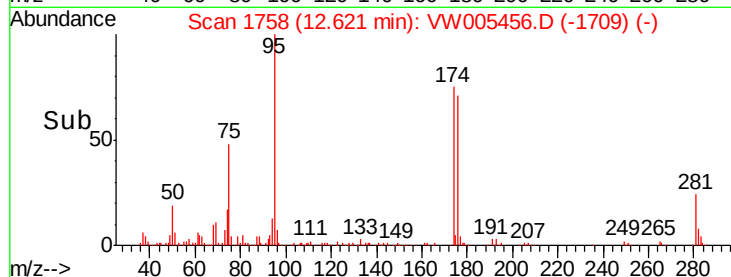
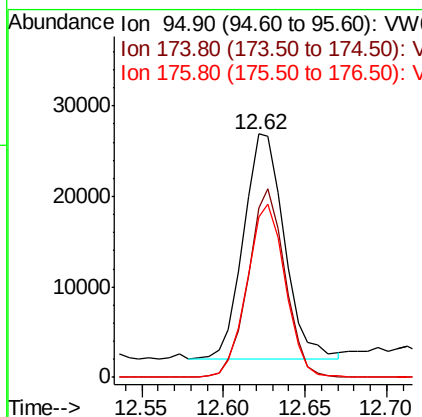
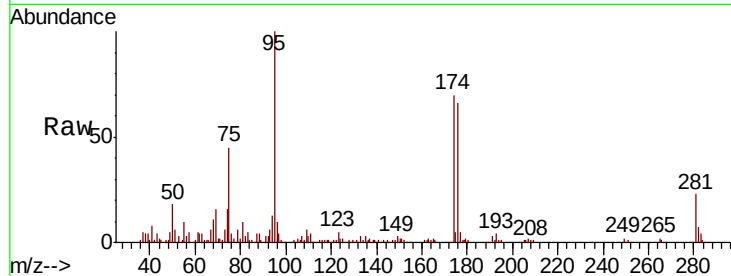




#62
 4-Bromofluorobenzene
 Concen: 19.333 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

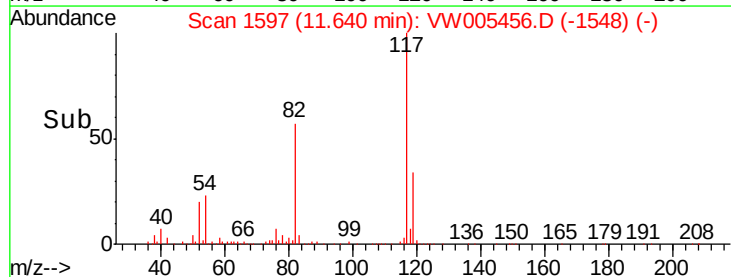
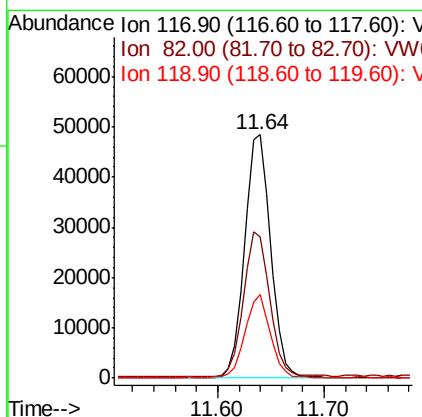
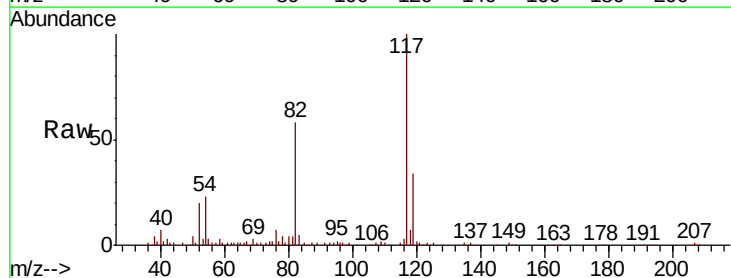
Instrument :
 MSVOA_W
 ClientSampleId :
 153

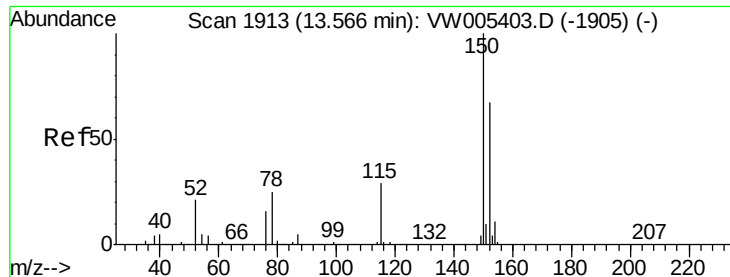
Tgt Ion: 95 Resp: 43643
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 161.2
 176 71.9 0.0 156.6



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.64 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

Tgt Ion: 117 Resp: 83626
 Ion Ratio Lower Upper
 117 100
 82 57.2 45.9 68.9
 119 34.0 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

Instrument :

MSVOA_W

ClientSampleId :

153

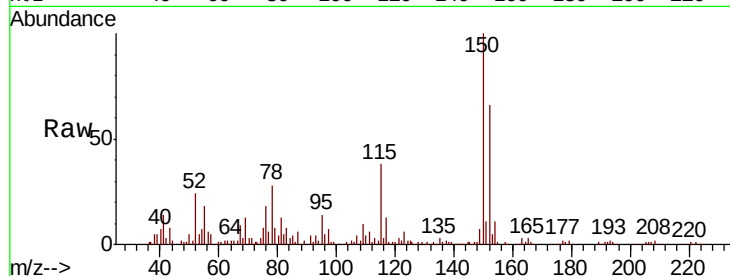
Tgt Ion: 152 Resp: 36949

Ion Ratio Lower Upper

152 100

115 56.9 29.5 88.5

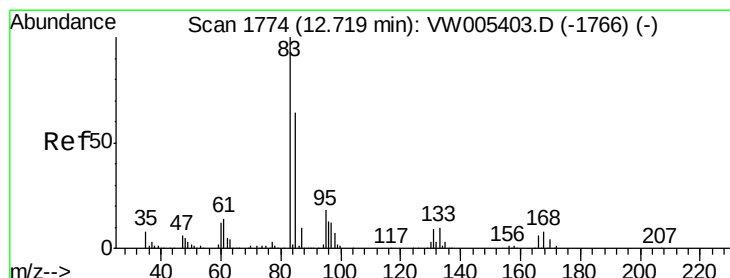
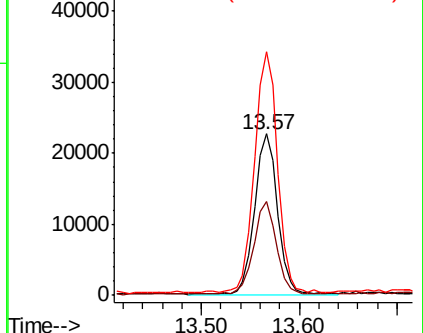
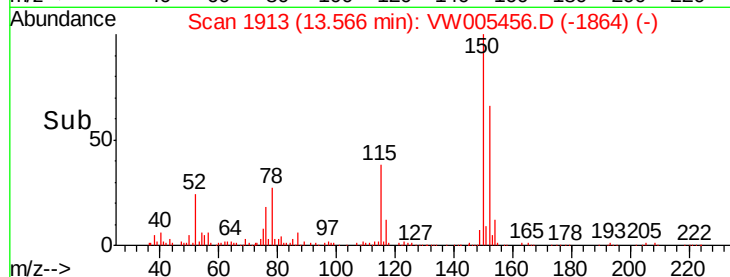
150 149.8 0.0 345.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.997 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

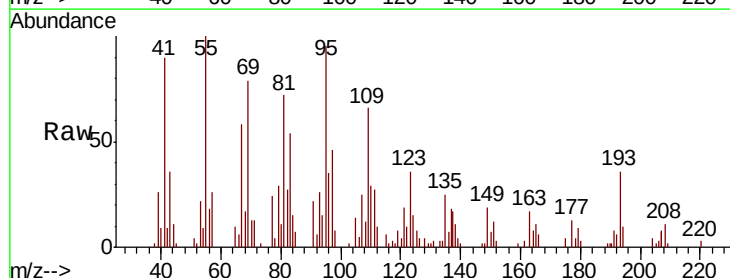
Tgt Ion: 83 Resp: 755

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

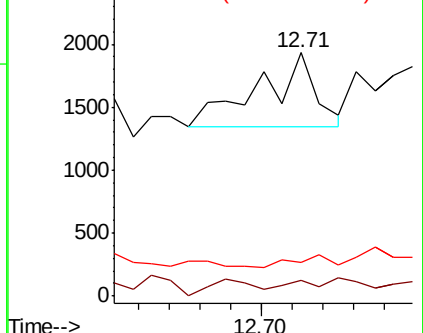
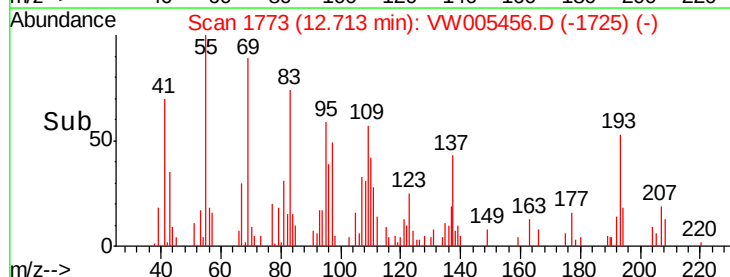
85 0.0 31.6 95.0#

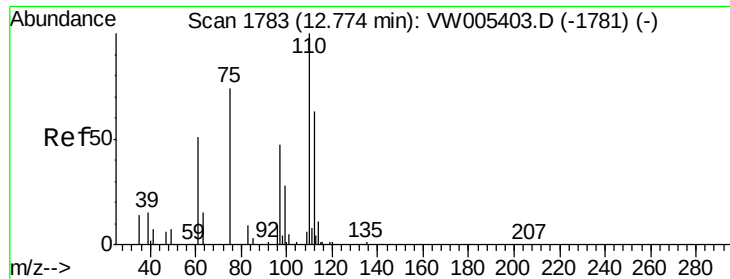


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

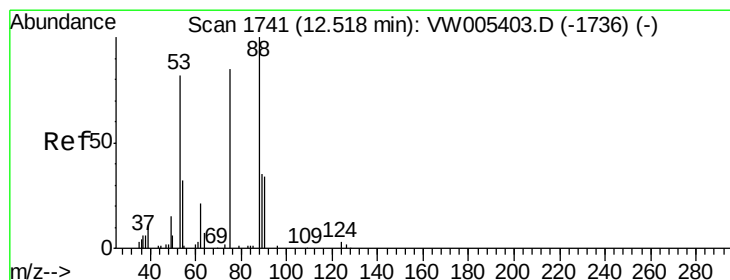
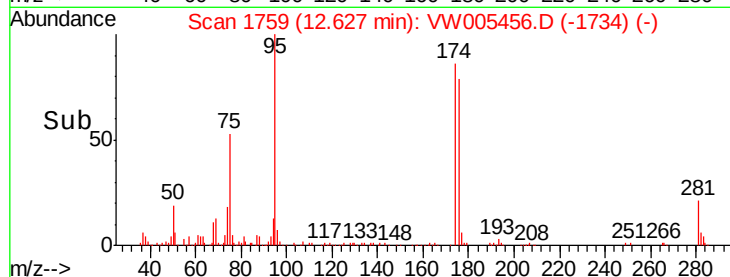
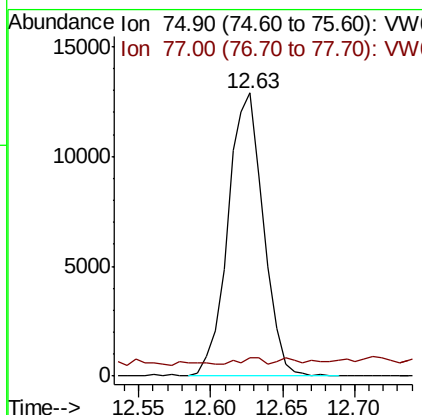
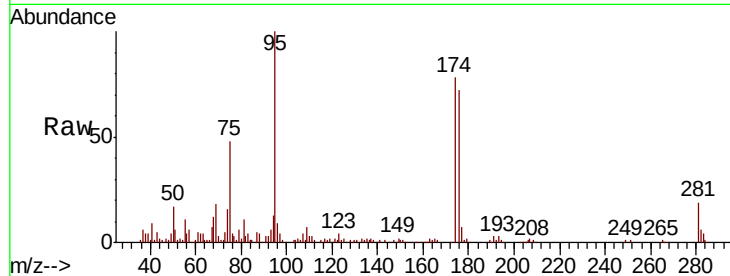




#76
 1,2,3-Trichloropropane
 Concen: 72.699 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

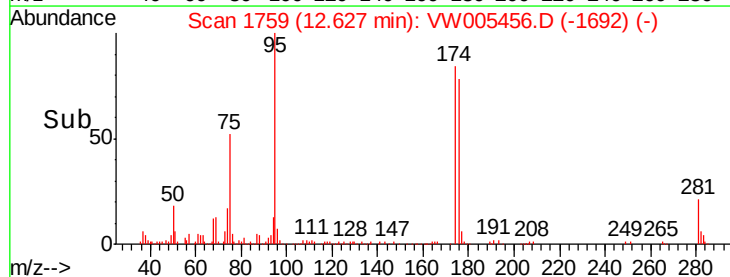
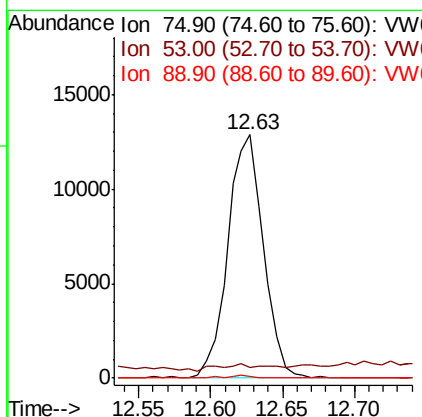
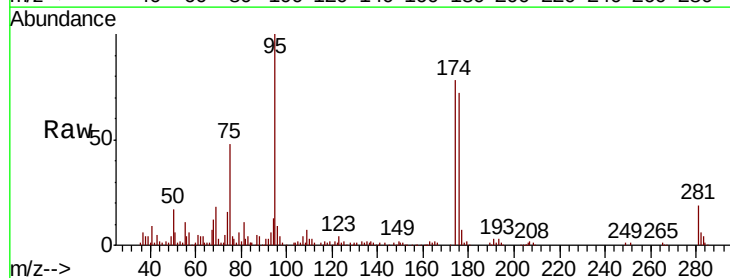
Instrument :
 MSVOA_W
 ClientSampleId :
 153

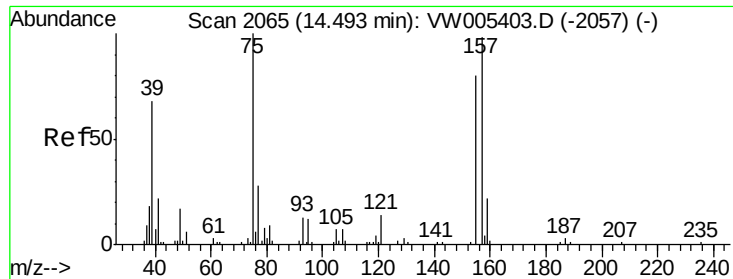
Tgt Ion: 75 Resp: 22093
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 188.586 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

Tgt Ion: 75 Resp: 22093
 Ion Ratio Lower Upper
 75 100
 53 3.1 83.2 124.8#
 89 0.6 36.6 54.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.101 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

Instrument :

MSVOA_W

ClientSampleId :

153

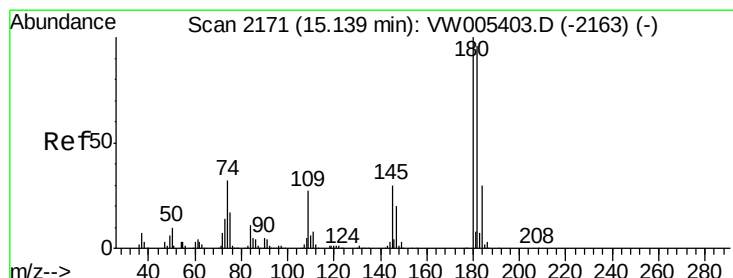
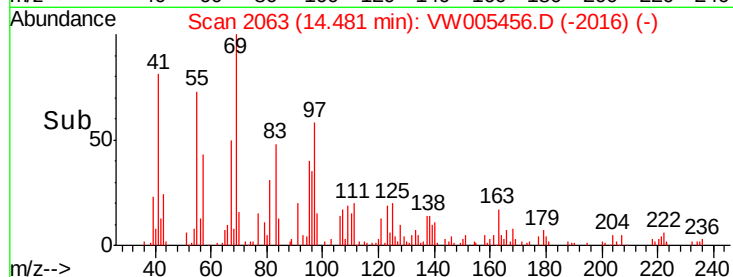
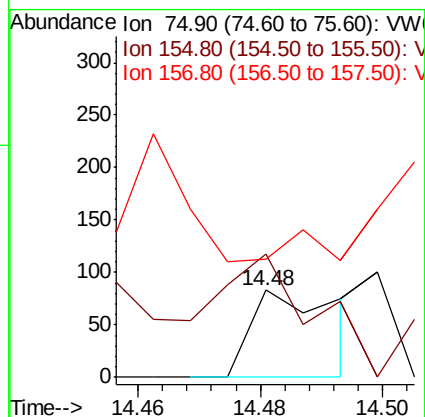
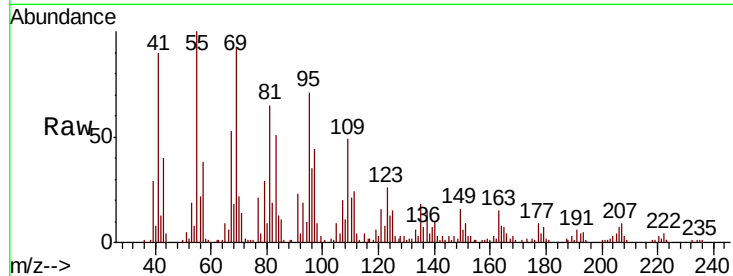
Tgt Ion: 75 Resp: 80

Ion Ratio Lower Upper

75 100

155 150.0 39.0 117.0#

157 0.0 49.9 149.6#



#93

1,2,4-Trichlorobenzene

Concen: 1.663 ug/l

RT: 14.96 min Scan# 2142

Delta R.T. -0.18 min

Lab File: VW005456.D

Acq: 18 Sep 2018 03:19

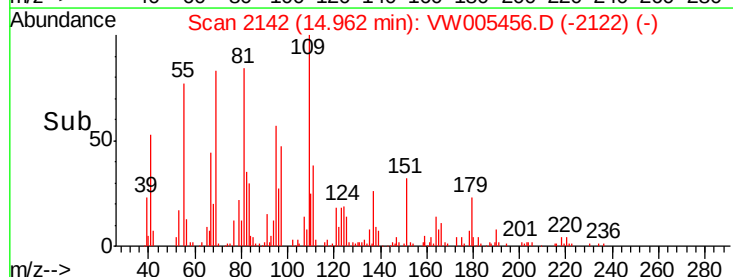
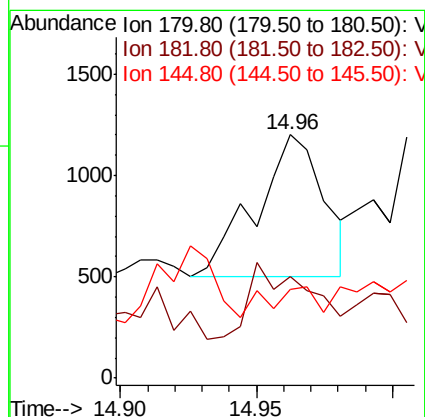
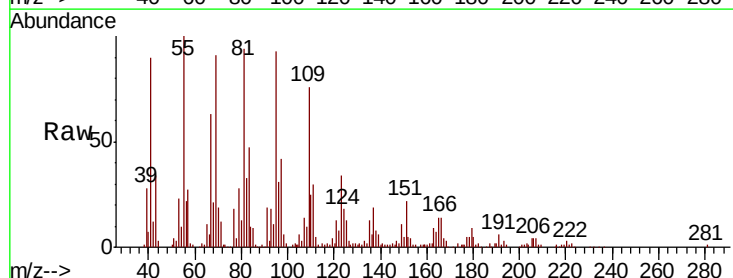
Tgt Ion: 180 Resp: 1205

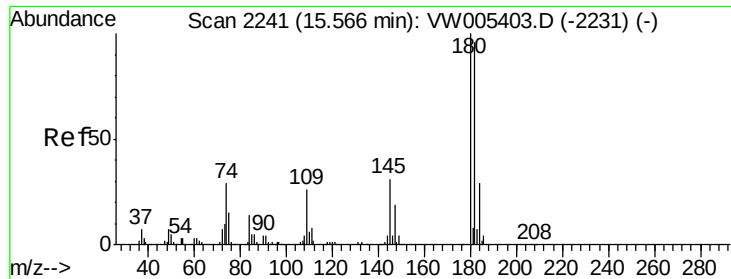
Ion Ratio Lower Upper

180 100

182 48.6 47.3 141.9

145 20.0 14.8 44.3





#96
 1,2,3-Trichlorobenzene
 Concen: 41.720 ug/l
 RT: 15.59 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: VW005456.D
 Acq: 18 Sep 2018 03:19

Instrument :
 MSVOA_W
 ClientSampleId :
 153

Tgt Ion:180 Resp: 26389
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.1 144.4#
 145 0.0 15.9 47.7#

