

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101718\
 Data File : VW006155.D
 Acq On : 18 Oct 2018 05:48
 Operator : VA/AP
 Sample : J5573-01
 Misc : 5.01G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0689-KM-CA-COMP

Quant Time: Oct 18 10:50:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	30640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	43129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	29104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8143	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	13691	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
35) Dibromofluoromethane	7.89	113	11298	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	
50) Toluene-d8	10.33	98	39192	40.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.84%	
62) 4-Bromofluorobenzene	12.62	95	10193	27.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.98%	

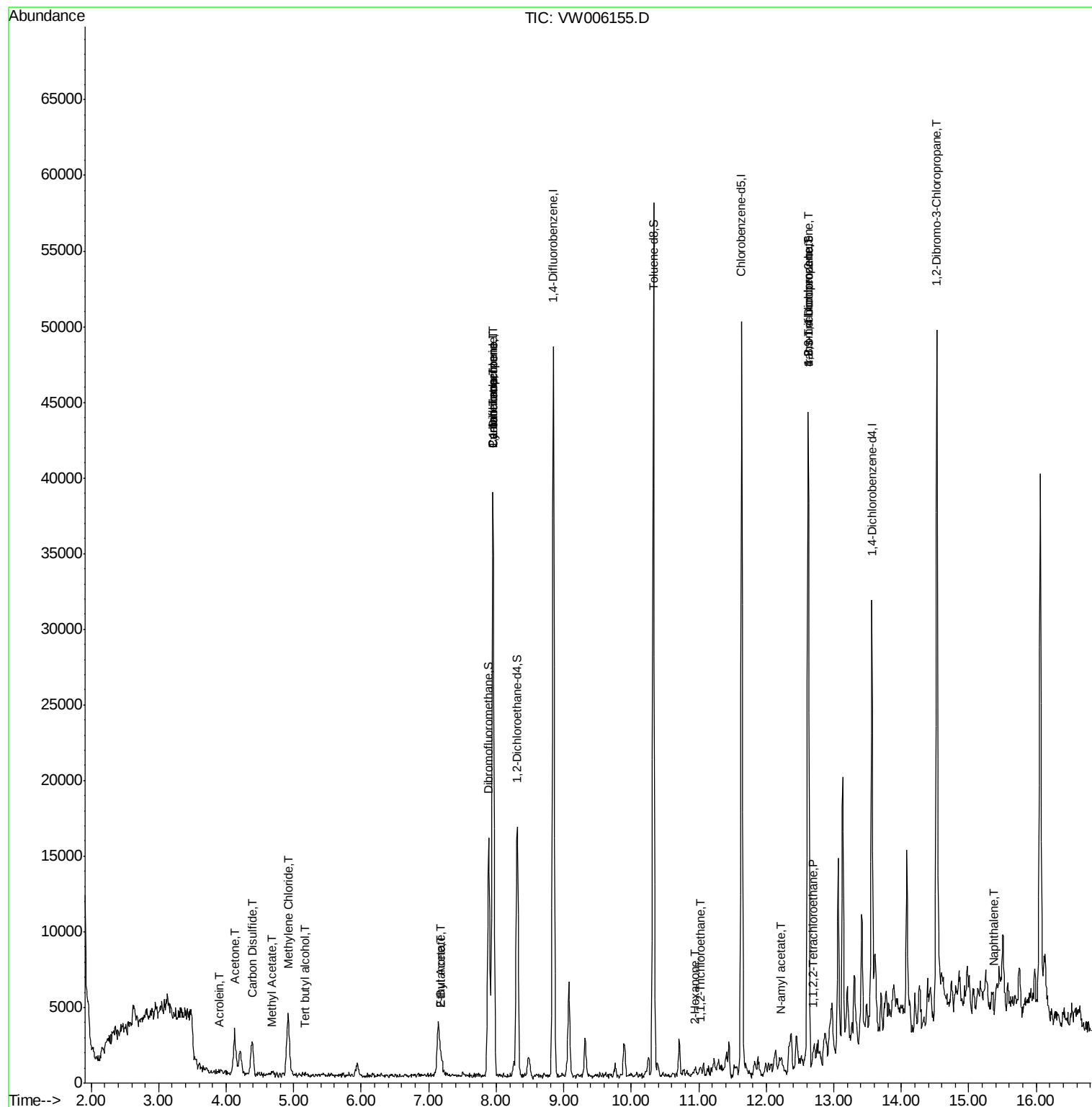
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.18	59	84	4.92	ug/l #	71
13) Acrolein	3.90	56	19	1.15	ug/l #	1
16) Acetone	4.13	43	4910	93.78	ug/l	96
17) Carbon Disulfide	4.39	76	4111	5.32	ug/l #	94
18) Methyl Acetate	4.67	43	273	2.14	ug/l #	49
20) Methylene Chloride	4.92	84	2961	9.70	ug/l	96
25) 2-Butanone	7.18	43	1770	25.79	ug/l	97
31) Cyclohexane	7.96	56	629	1.35	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	2139	5.38	ug/l #	46
37) Ethyl Acetate	7.18	43	1770	11.98	ug/l #	67
38) Carbon Tetrachloride	7.95	117	2710	6.22	ug/l #	18
55) 1,1,2-Trichloroethane	11.02	97	227	1.09	ug/l #	16
59) 2-Hexanone	10.94	43	333	3.08	ug/l #	25
74) N-amyl acetate	12.21	43	342	3.06	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.69	83	200	2.29	ug/l #	87
76) 1,2,3-Trichloropropane	12.62	75	5209	83.75	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	5209	200.20	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.52	75	15638	998.24	ug/l #	1
95) Naphthalene	15.37	128	360	1.12	ug/l #	69

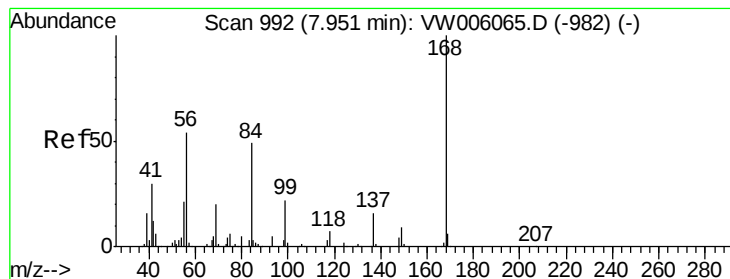
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

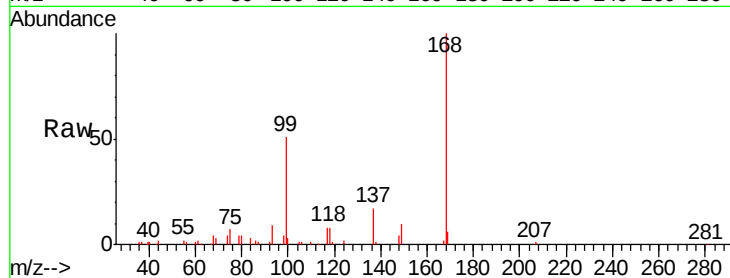
Instrument :
MSVOA_W
ClientSampleId :
0689-KM-CA-COMP

Tgt Ion:168 Resp: 30640

Ion Ratio Lower Upper

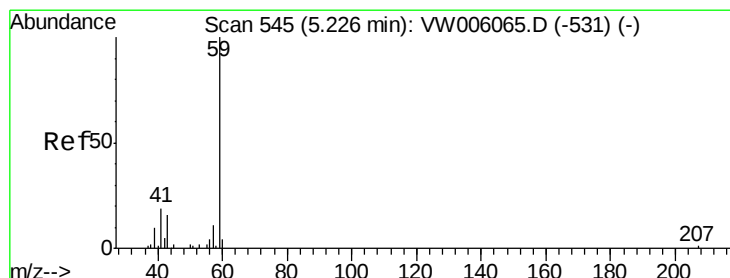
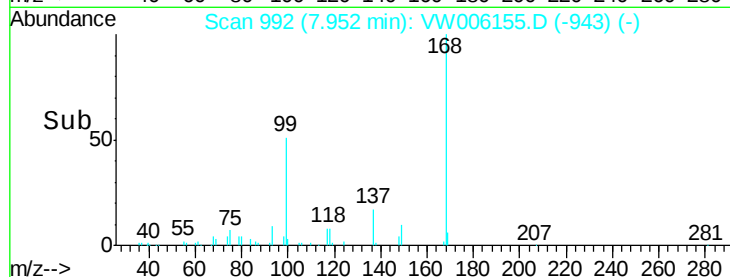
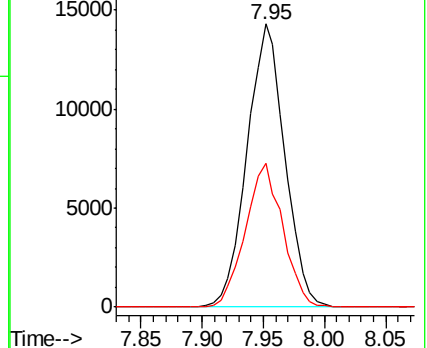
168 100

99 50.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.92 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.05 min

Lab File: VW006155.D

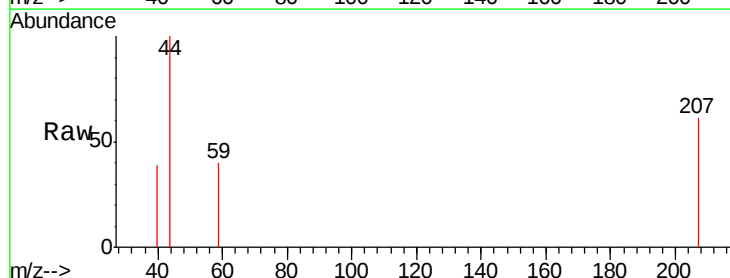
Acq: 18 Oct 2018 05:48

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

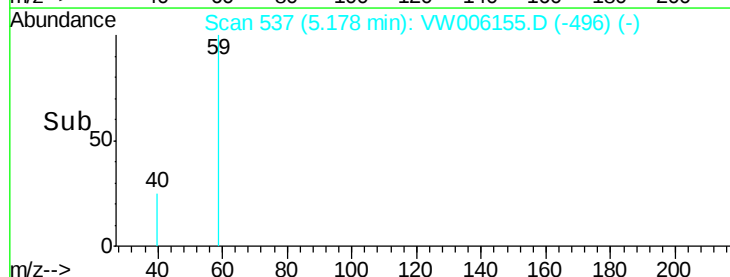
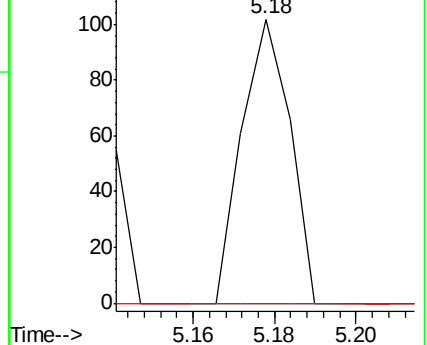
59 100

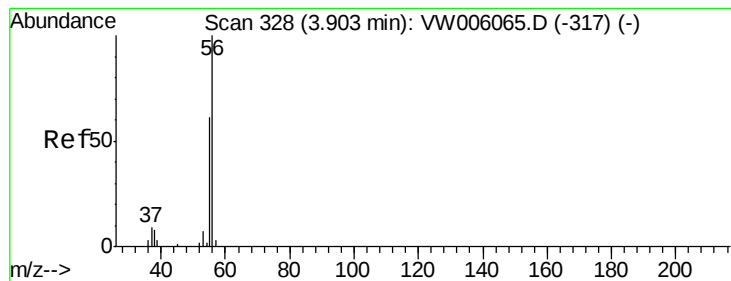
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.15 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

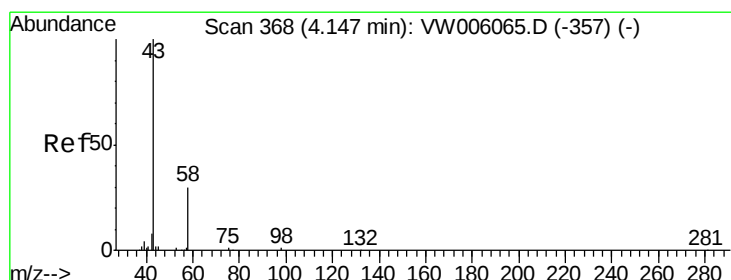
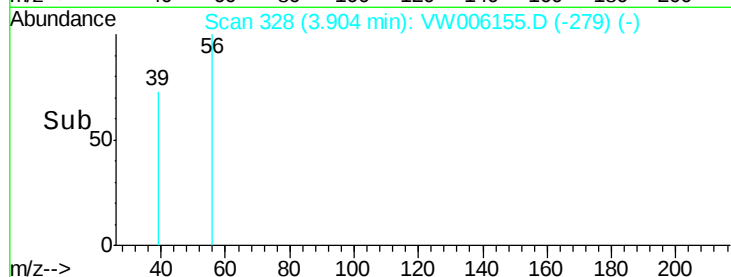
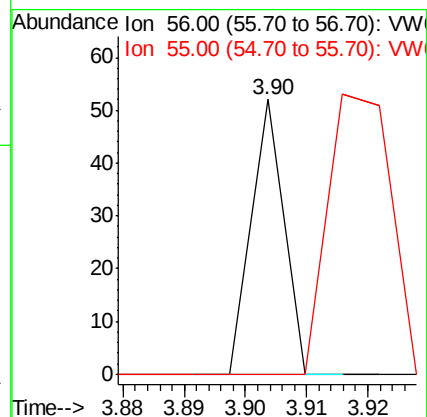
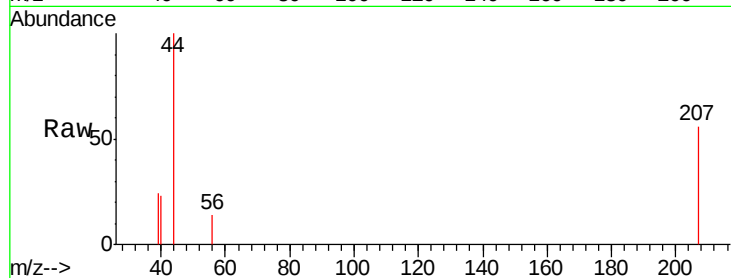
0689-KM-CA-COMP

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 200.0 54.5 81.7#



#16

Acetone

Concen: 93.78 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006155.D

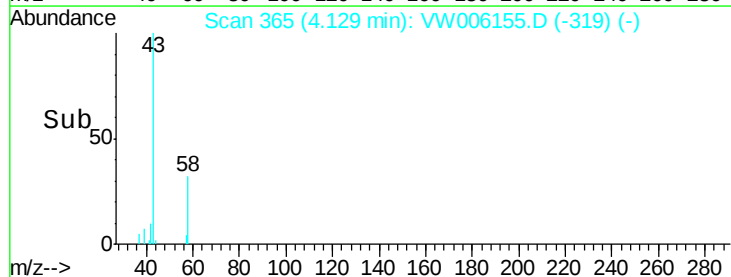
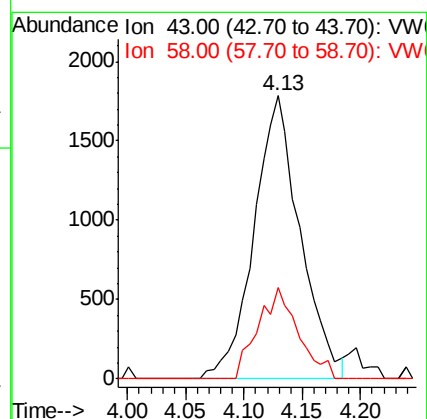
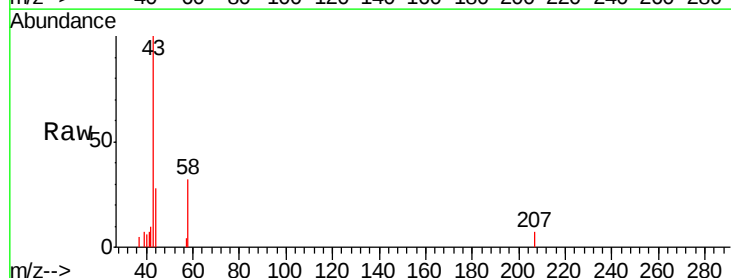
Acq: 18 Oct 2018 05:48

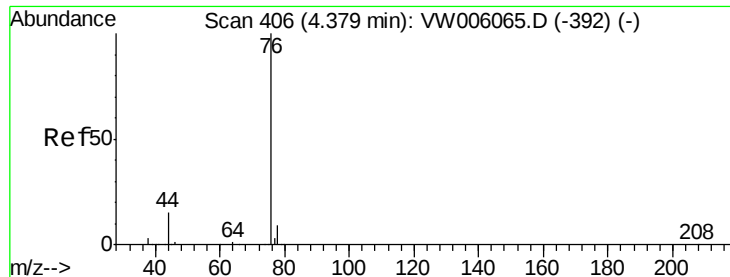
Tgt Ion: 43 Resp: 4910

Ion Ratio Lower Upper

43 100

58 32.2 24.0 36.0

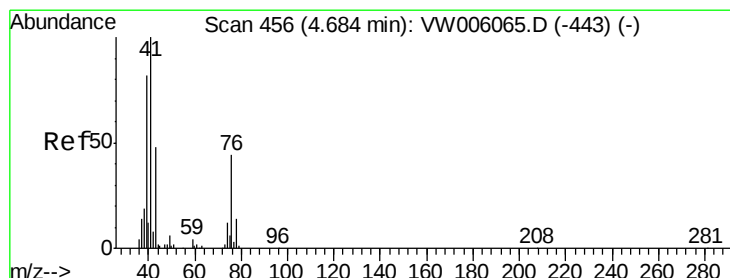
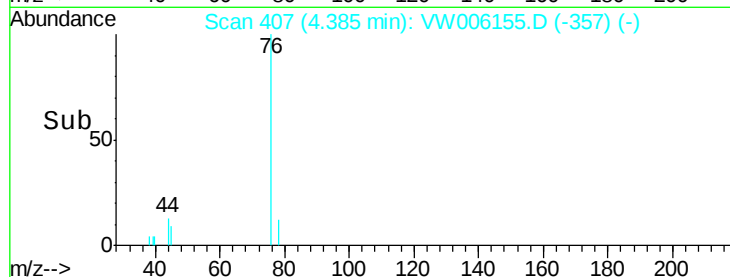
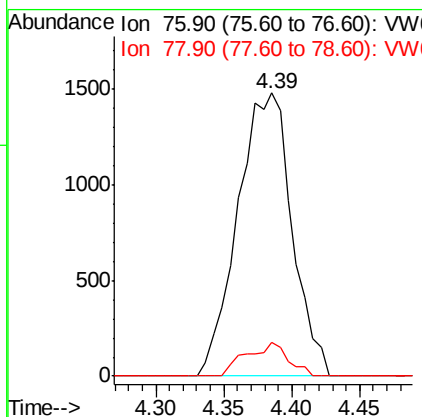
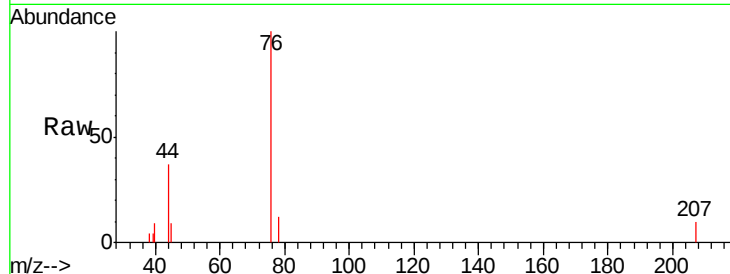




#17
Carbon Disulfide
Concen: 5.32 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

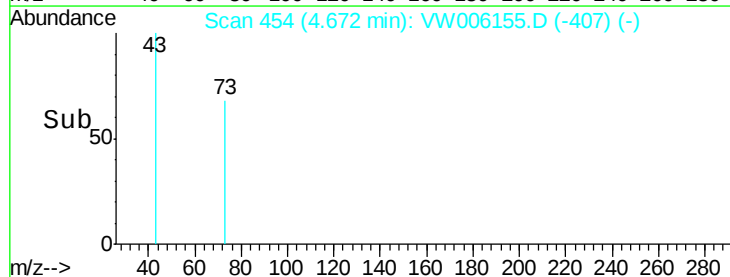
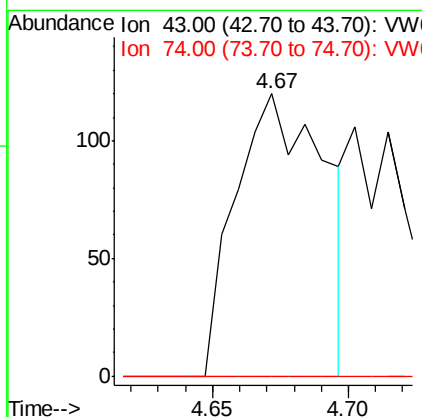
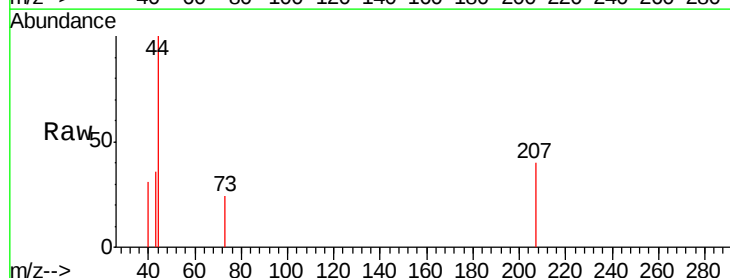
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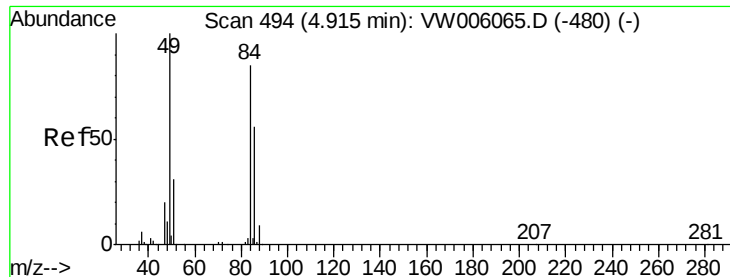
Tgt Ion: 76 Resp: 4111
Ion Ratio Lower Upper
76 100
78 11.8 7.5 11.3#



#18
Methyl Acetate
Concen: 2.14 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#

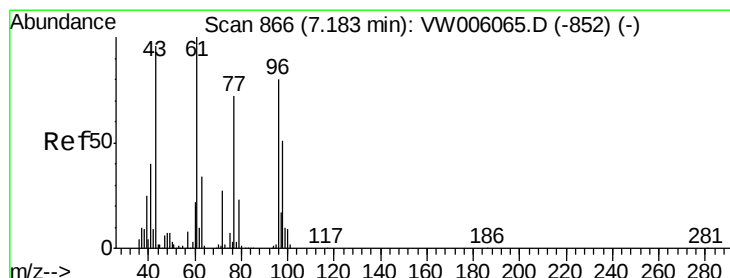
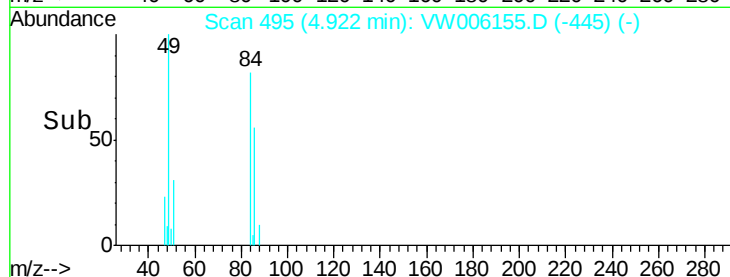
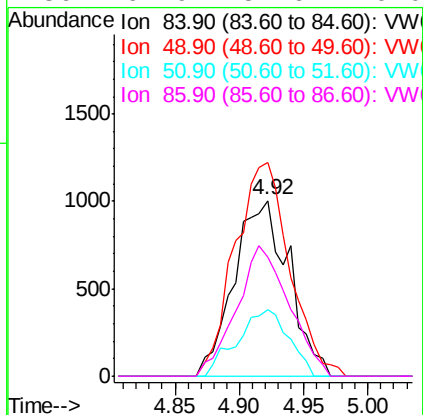
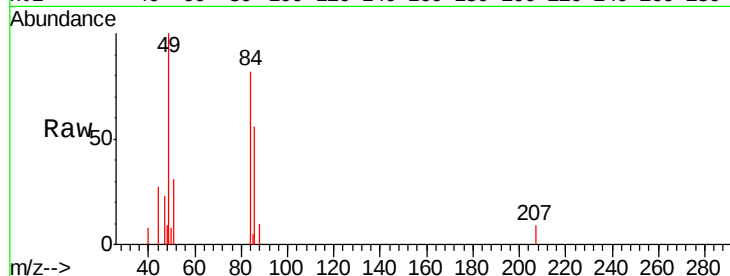




#20
Methylene Chloride
Concen: 9.70 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

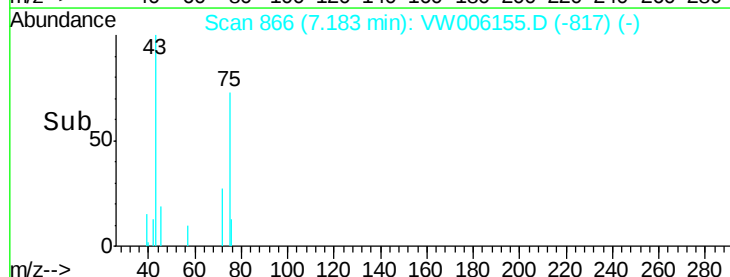
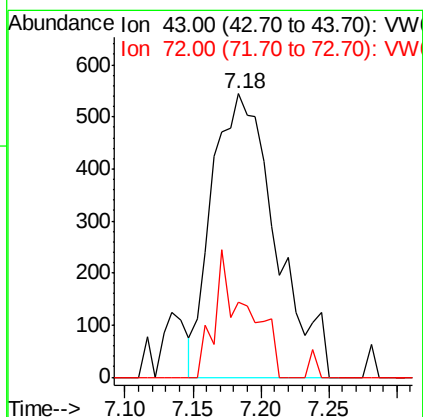
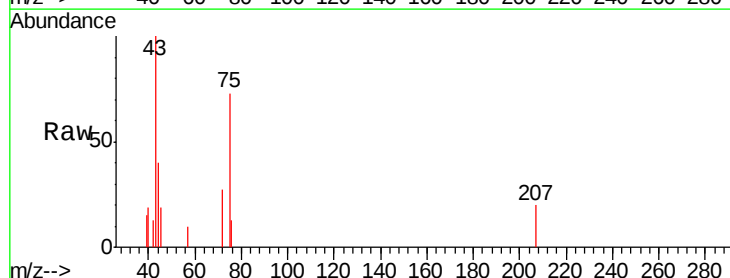
Instrument :
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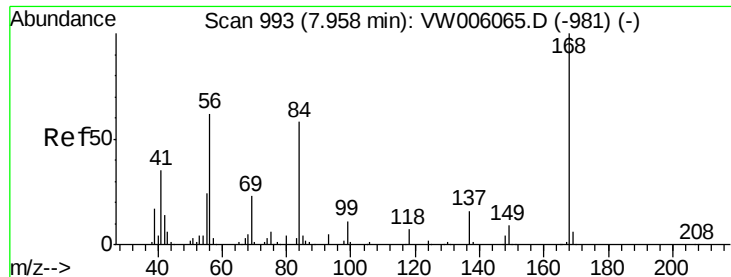
Tgt Ion:	84	Resp:	2961
Ion	Ratio	Lower	Upper
84	100		
49	121.8	93.6	140.4
51	37.7	29.0	43.4
86	67.9	52.6	79.0



#25
2-Butanone
Concen: 25.79 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Tgt Ion:	43	Resp:	1770
Ion	Ratio	Lower	Upper
43	100		
72	26.7	22.8	34.2

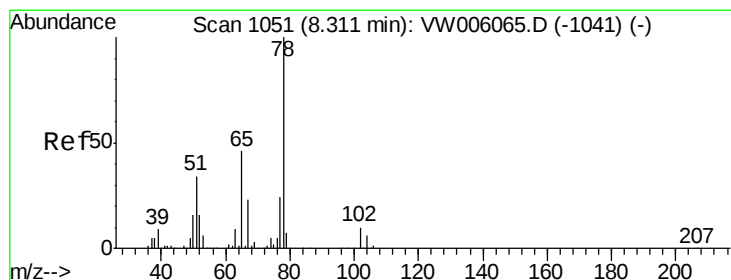
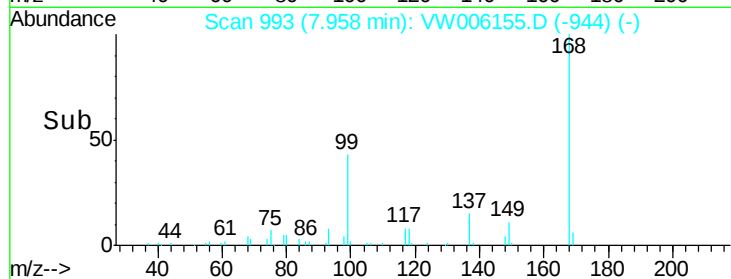
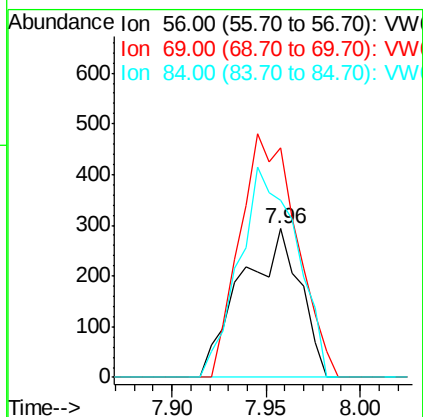
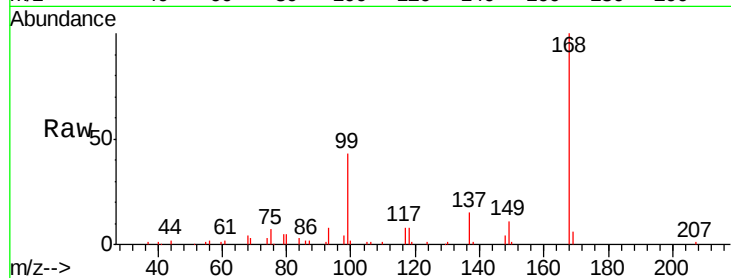




#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

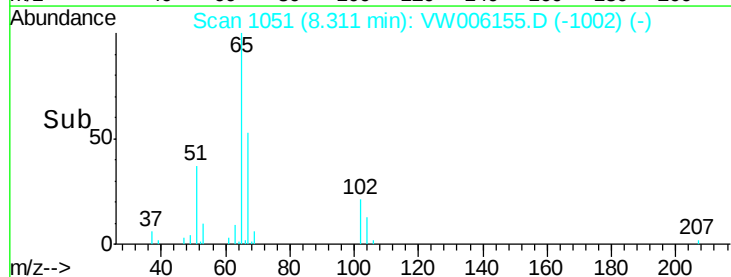
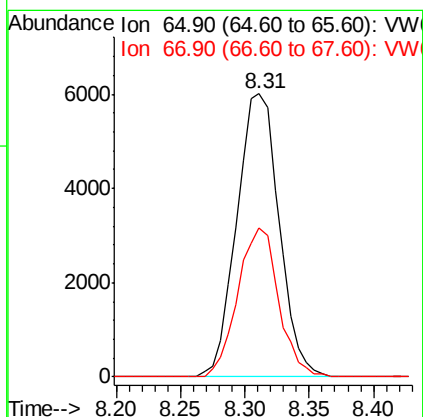
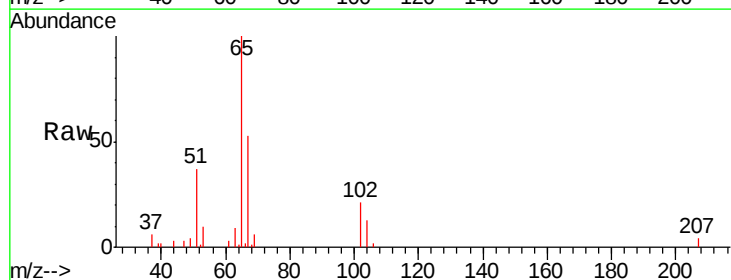
Instrument :
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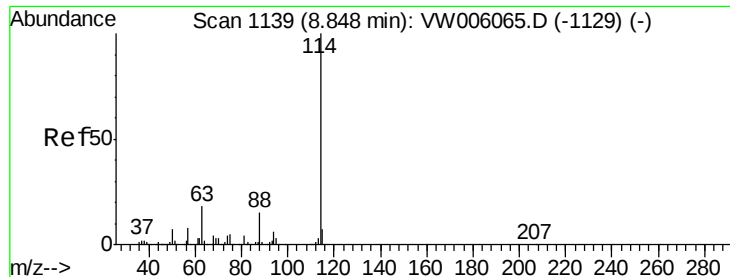
Tgt Ion: 56 Resp: 629
Ion Ratio Lower Upper
56 100
69 154.6 29.4 44.0#
84 119.5 74.0 111.0#



#33
1,2-Dichloroethane-d4
Concen: 53.90 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Tgt Ion: 65 Resp: 13691
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.0

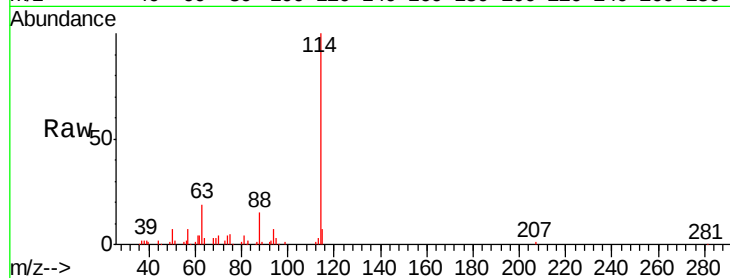




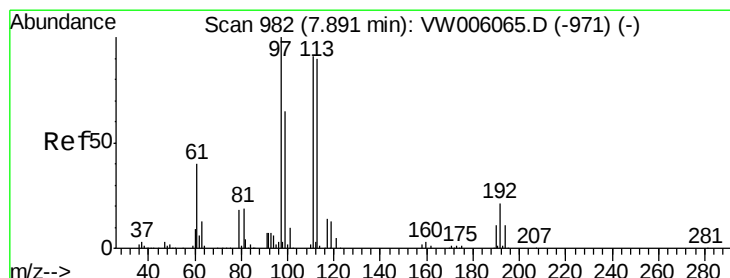
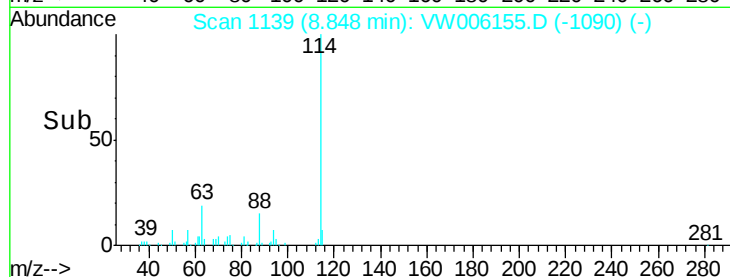
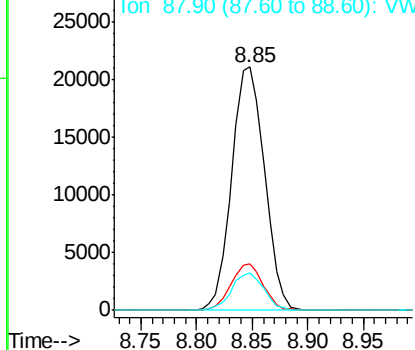
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

Instrument :
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 0689-KM-CA-COMP

Tgt Ion:114 Resp: 43129
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 36.8
 88 15.2 0.0 29.0

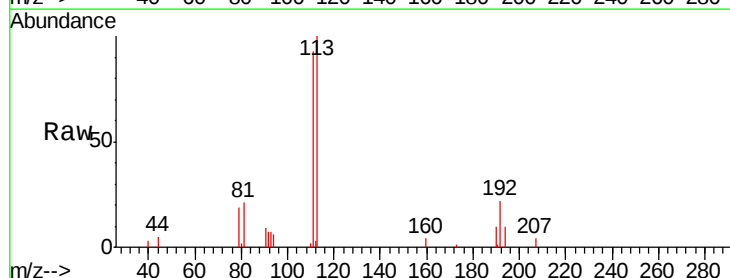


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

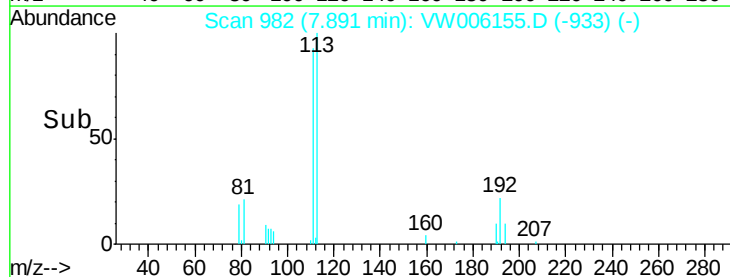
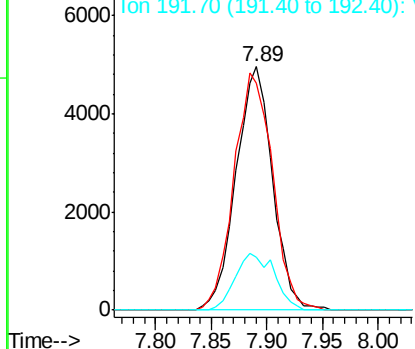


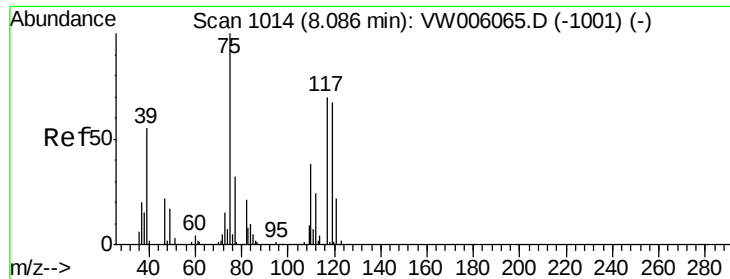
#35
 Dibromofluoromethane
 Concen: 44.33 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

Tgt Ion:113 Resp: 11298
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.4 122.0
 192 24.9 18.7 28.1



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

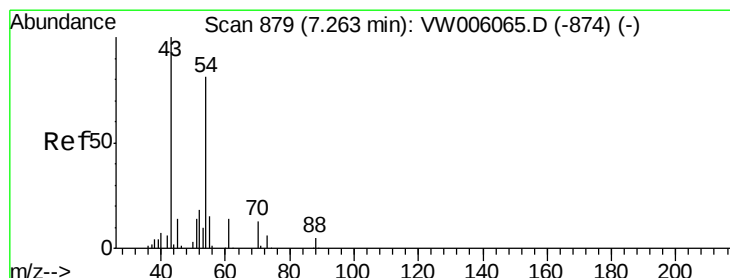
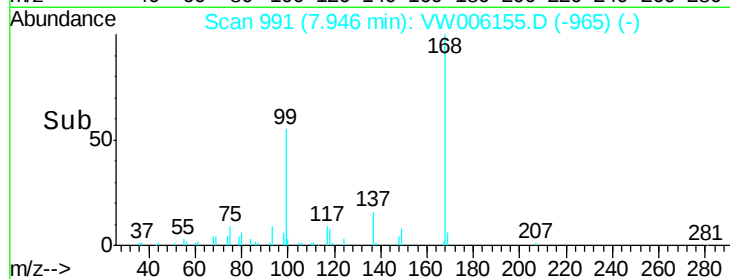
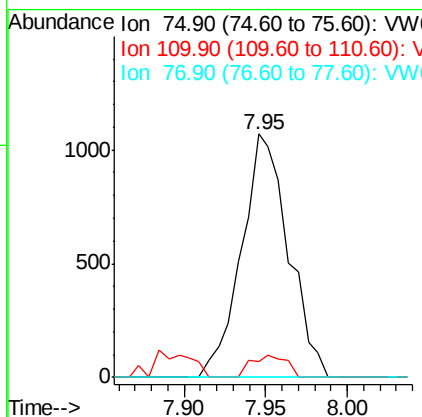
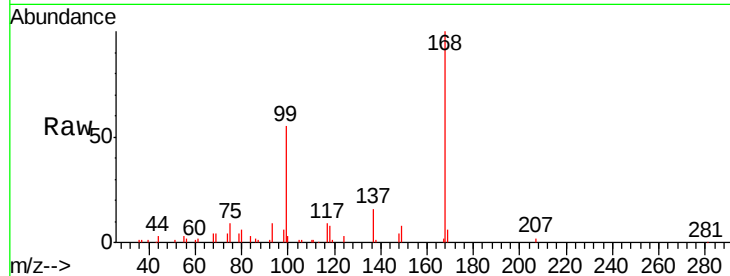




#36
 1,1-Dichloropropene
 Concen: 5.38 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

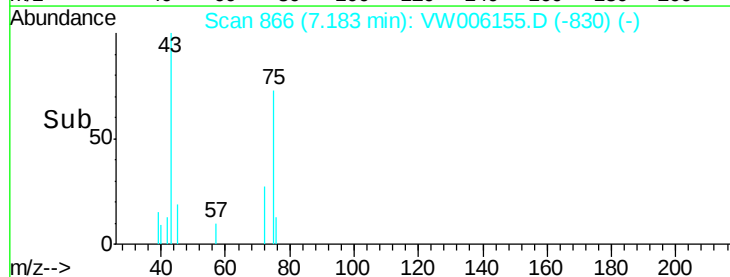
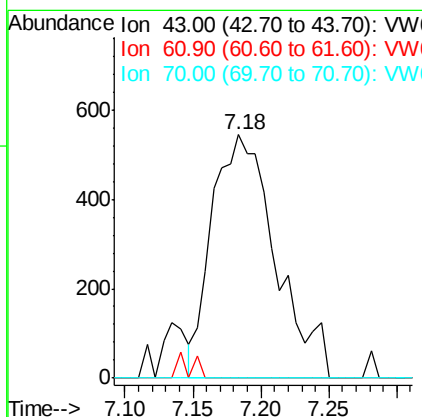
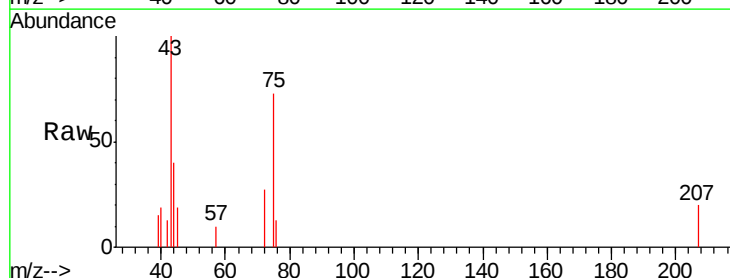
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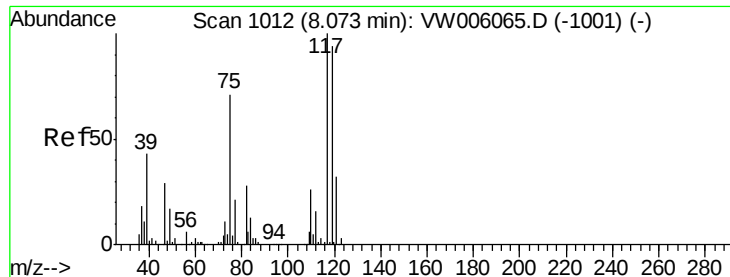
Tgt Ion: 75 Resp: 2139
 Ion Ratio Lower Upper
 75 100
 110 6.8 19.1 57.1#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 11.98 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.08 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

Tgt Ion: 43 Resp: 1770
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 9.2 13.8#

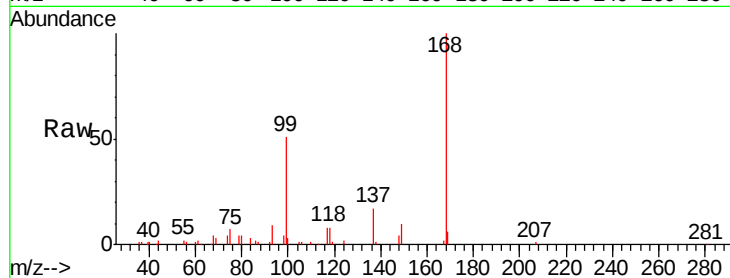




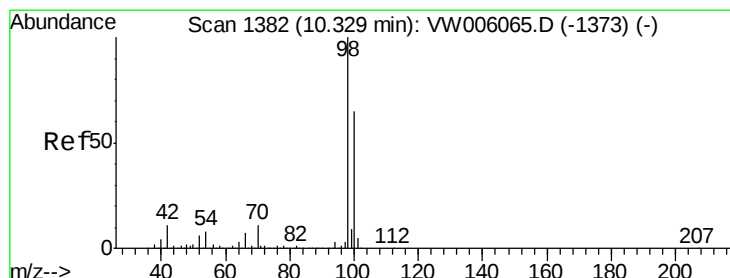
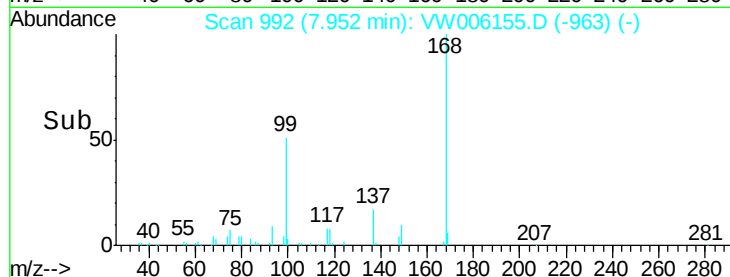
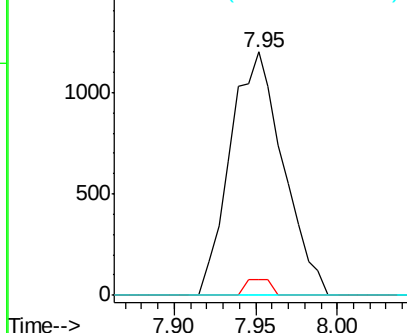
#38
Carbon Tetrachloride
Concen: 6.22 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
0689-KM-CA-COMP

Tgt Ion: 117 Resp: 2710
Ion Ratio Lower Upper
117 100
119 6.3 75.2 112.8#
121 0.0 25.3 37.9#

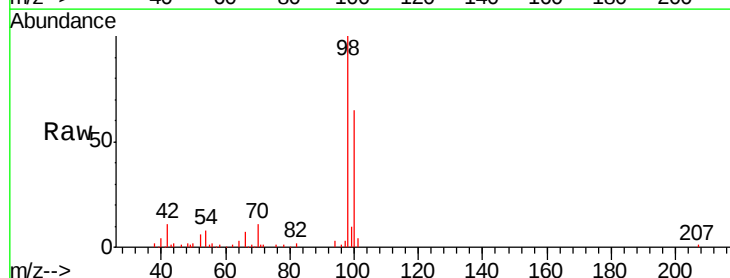


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

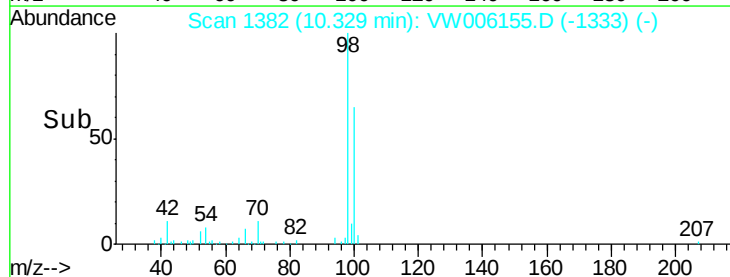
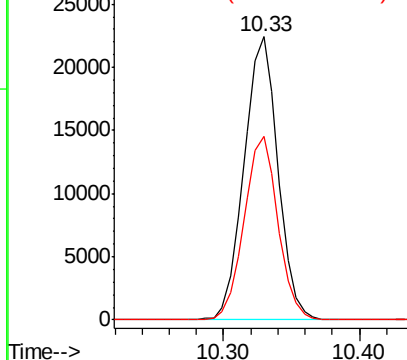


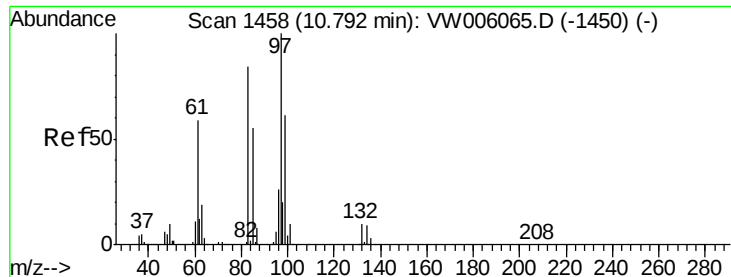
#50
Toluene-d8
Concen: 40.42 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Tgt Ion: 98 Resp: 39192
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



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

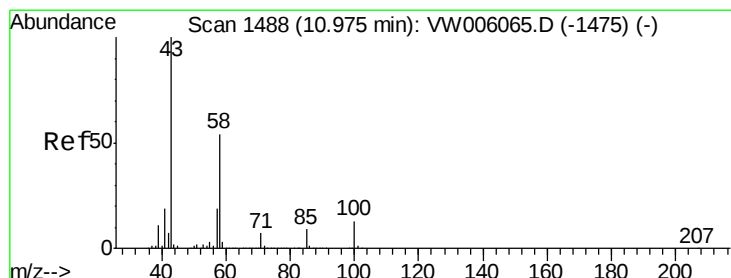
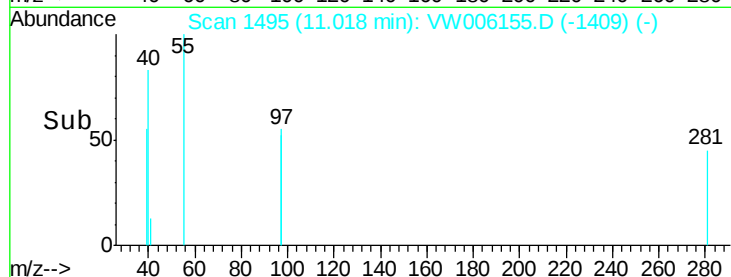
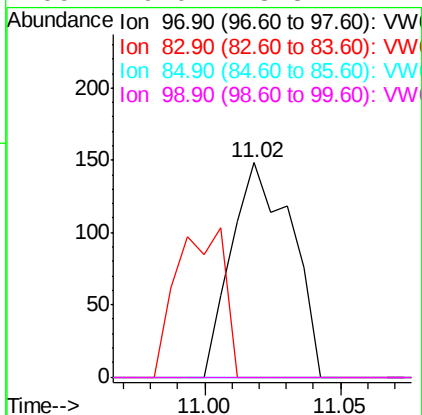
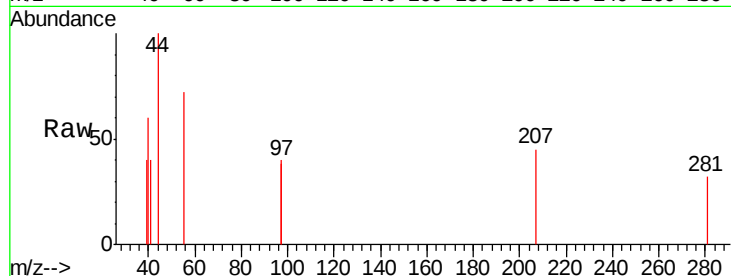




#55
 1,1,2-Trichloroethane
 Concen: 1.09 ug/l
 RT: 11.02 min Scan# 1495
 Delta R.T. 0.23 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

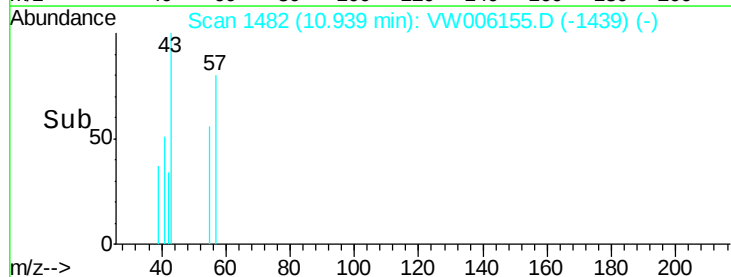
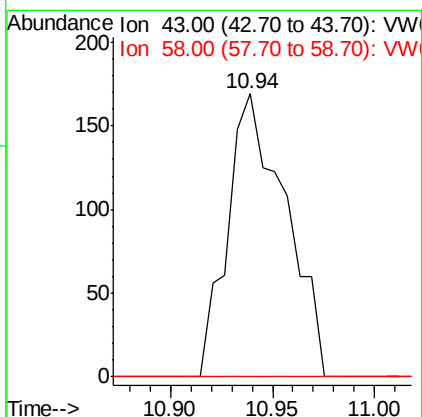
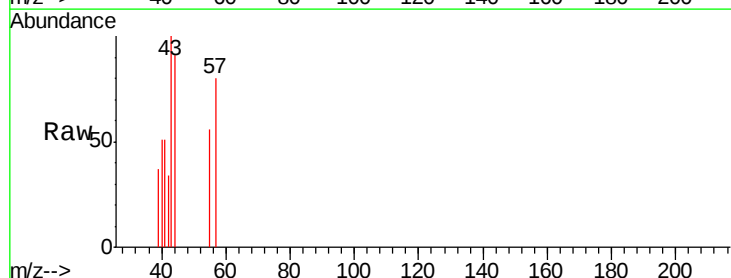
Instrument :
 MSVOA_W
 ClientSampleId :
 0689-KM-CA-COMP

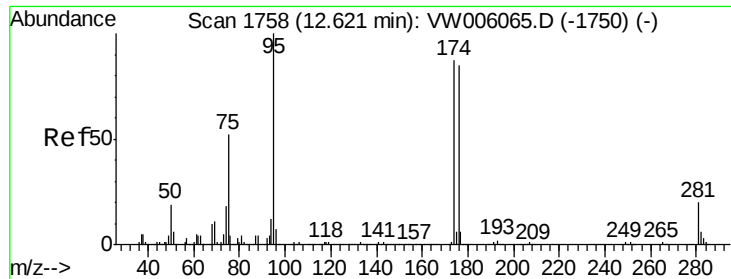
Tgt Ion: 97 Resp: 227
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.2 100.8#
 85 0.0 43.7 65.5#
 99 0.0 48.5 72.7#



#59
 2-Hexanone
 Concen: 3.08 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.04 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

Tgt Ion: 43 Resp: 333
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.9 80.6#

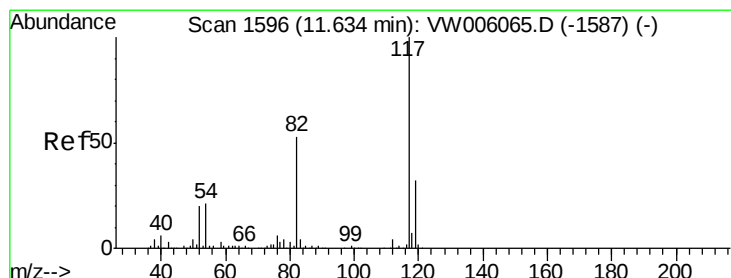
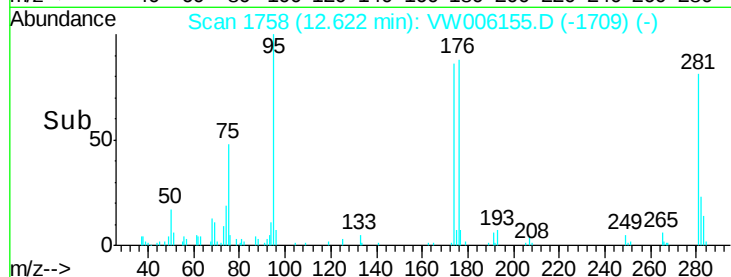
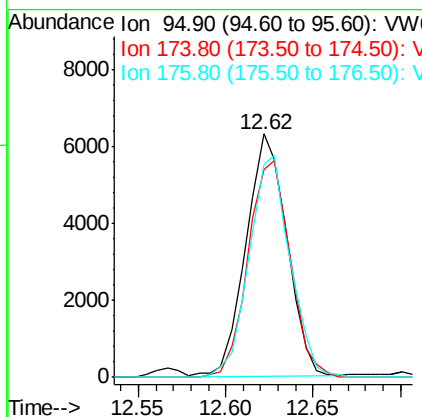
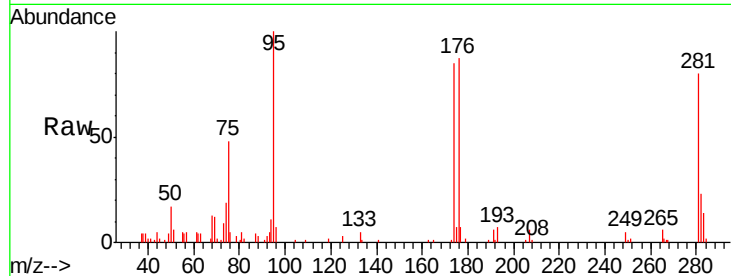




#62
4-Bromofluorobenzene
Concen: 27.99 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

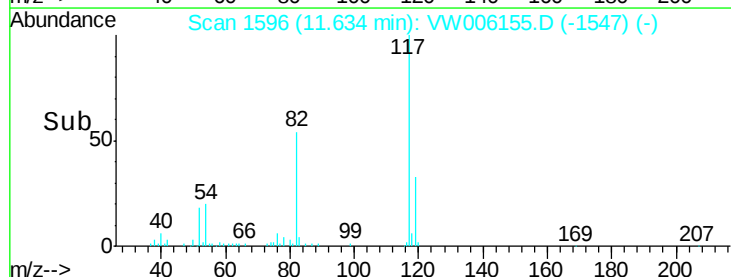
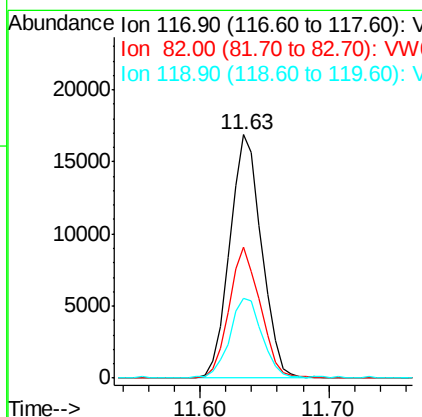
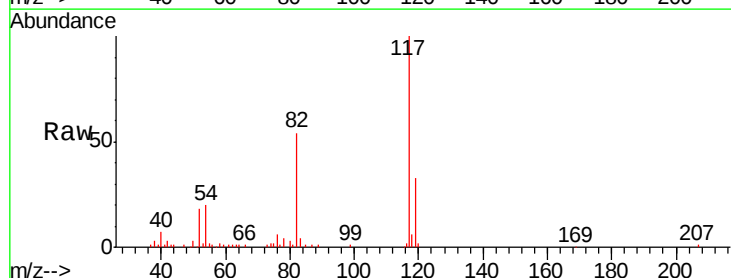
Instrument :
MSVOA_W
ClientSampleId :
0689-KM-CA-COMP

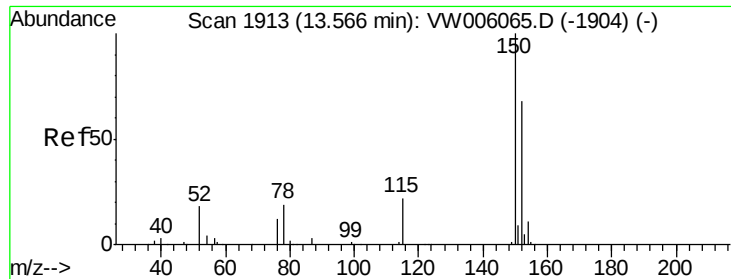
Tgt Ion: 95 Resp: 10193
Ion Ratio Lower Upper
95 100
174 91.9 0.0 186.0
176 91.9 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Tgt Ion: 117 Resp: 29104
Ion Ratio Lower Upper
117 100
82 53.7 42.1 63.1
119 32.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

0689-KM-CA-COMP

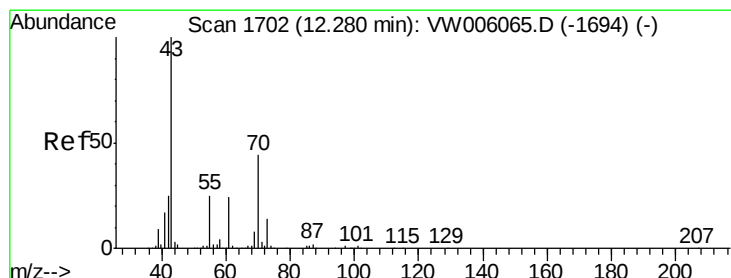
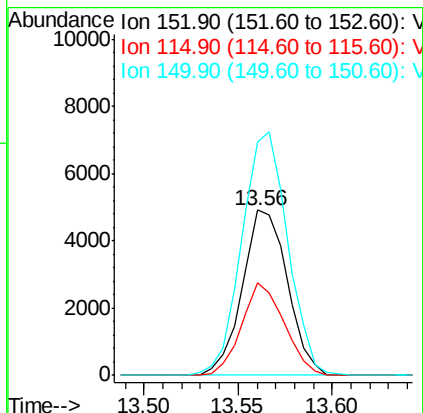
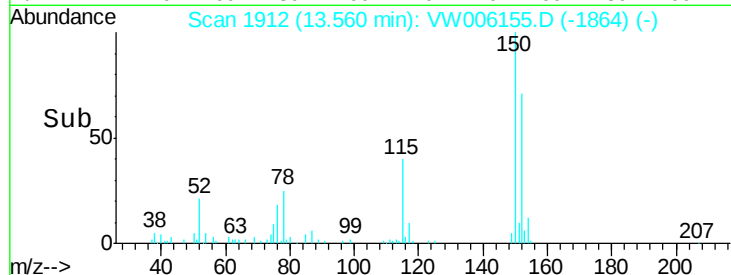
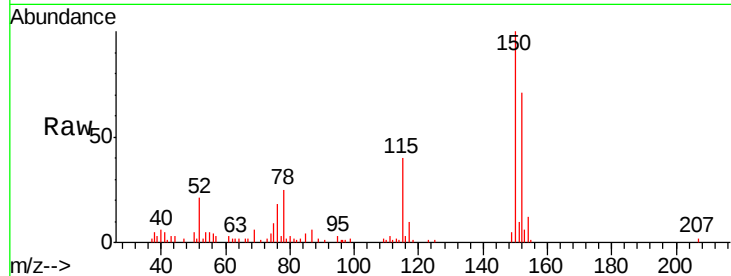
Tgt Ion:152 Resp: 8143

Ion Ratio Lower Upper

152 100

115 53.0 27.8 83.3

150 150.0 0.0 349.2



#74

N-ethyl acetate

Concen: 3.06 ug/l

RT: 12.21 min Scan# 1691

Delta R.T. -0.07 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

Tgt Ion: 43 Resp: 342

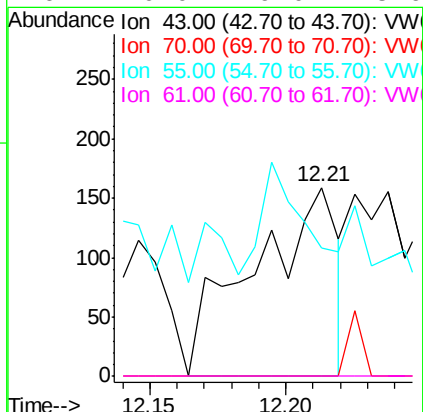
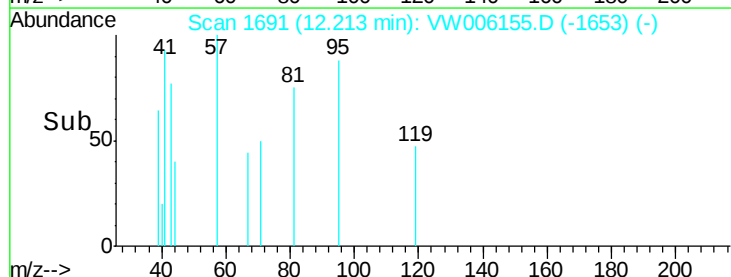
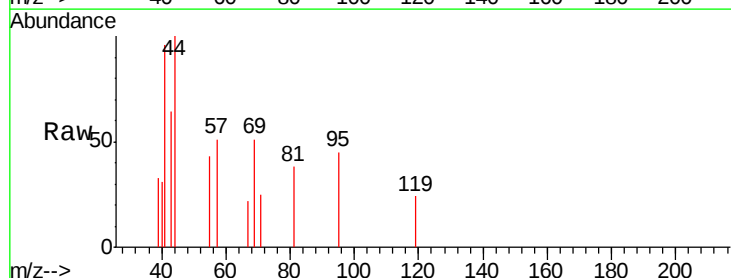
Ion Ratio Lower Upper

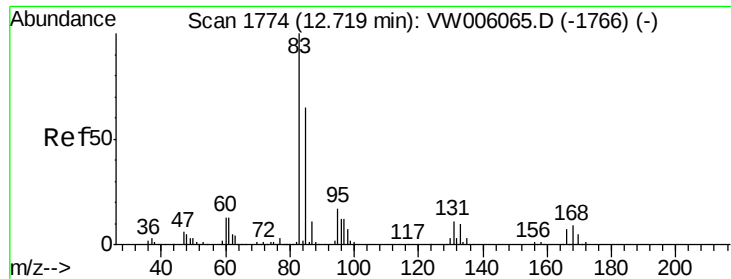
43 100

70 5.8 34.2 51.4#

55 0.0 19.2 28.8#

61 0.0 19.0 28.6#

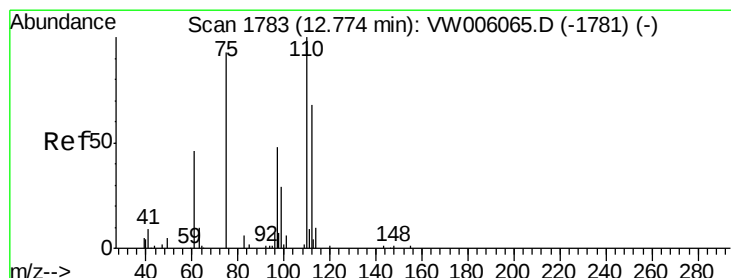
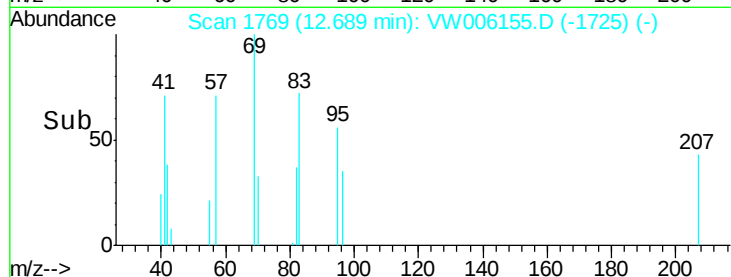
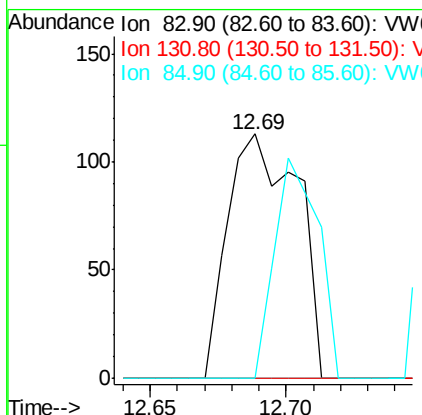
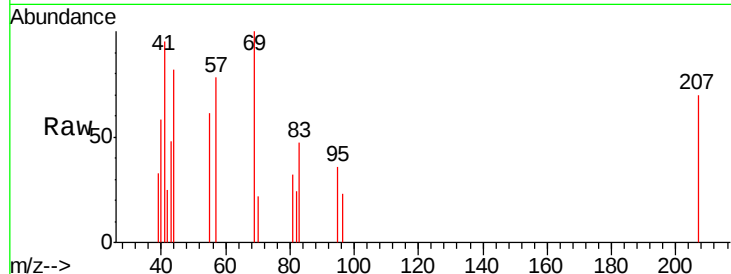




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.29 ug/l
 RT: 12.69 min Scan# 1769
 Delta R.T. -0.03 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

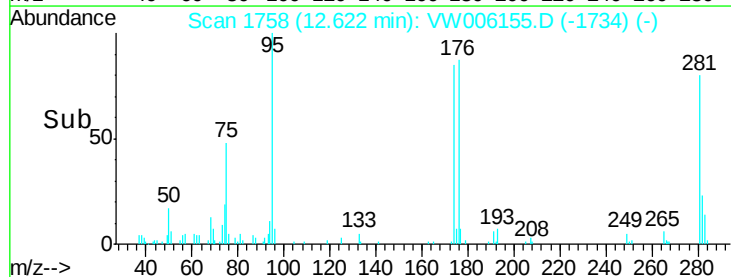
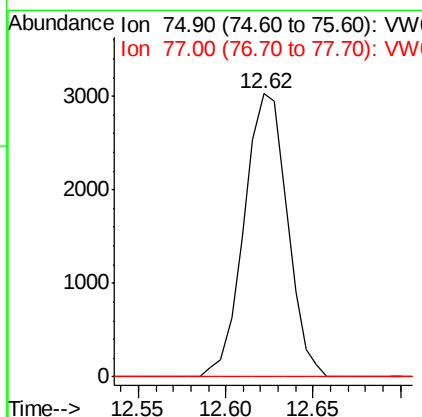
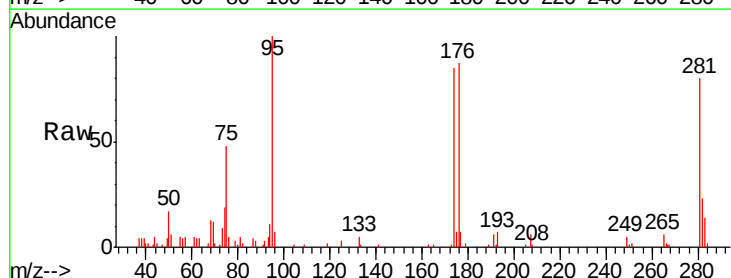
Instrument :
 MSVOA_W
 ClientSampleId :
 0689-KM-CA-COMP

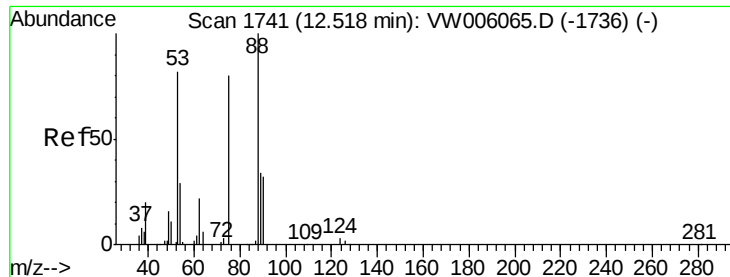
Tgt Ion: 83 Resp: 200
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.9 17.7#
 85 56.5 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 83.75 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006155.D
 Acq: 18 Oct 2018 05:48

Tgt Ion: 75 Resp: 5209
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 200.20 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

Instrument :

MSVOA_W

ClientSampleId :

0689-KM-CA-COMP

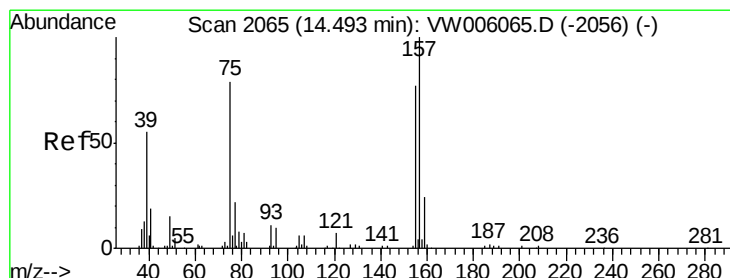
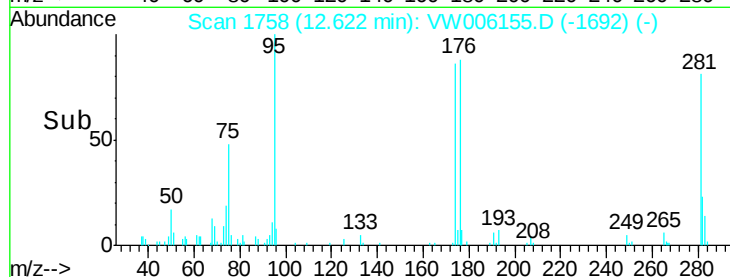
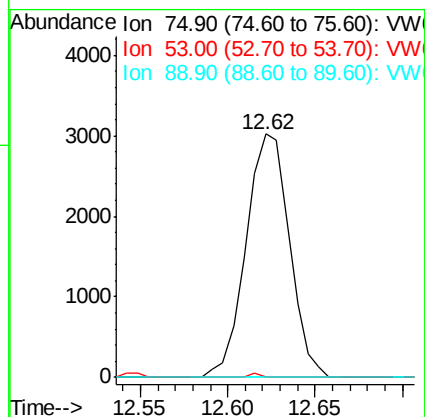
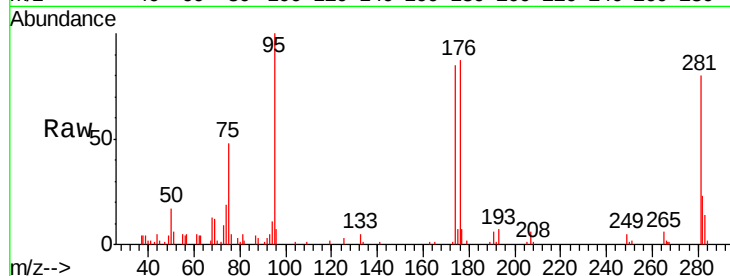
Tgt Ion: 75 Resp: 5209

Ion Ratio Lower Upper

75 100

53 0.4 79.8 119.6#

89 0.0 37.5 56.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 998.24 ug/l

RT: 14.52 min Scan# 2070

Delta R.T. 0.03 min

Lab File: VW006155.D

Acq: 18 Oct 2018 05:48

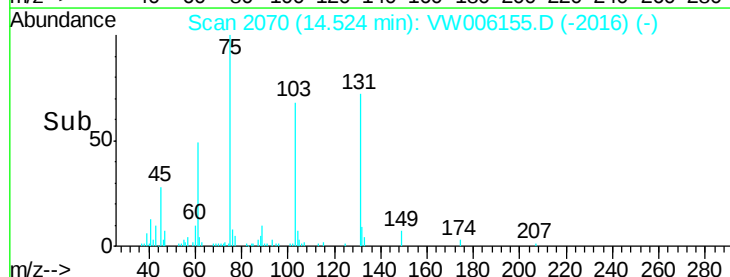
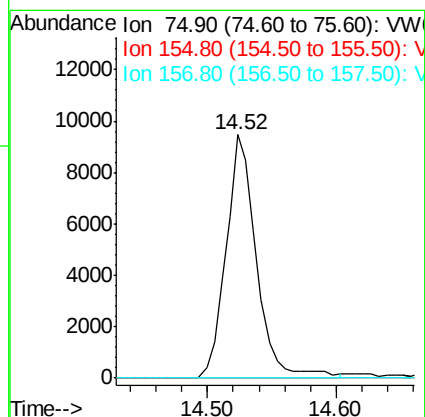
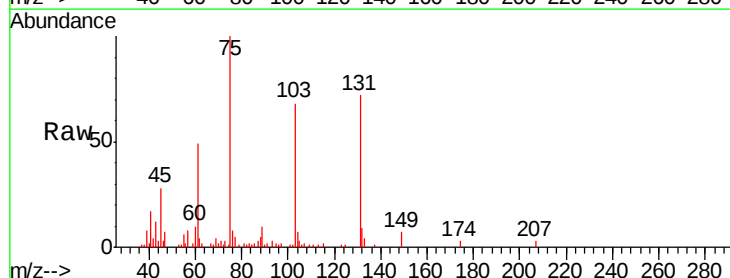
Tgt Ion: 75 Resp: 15638

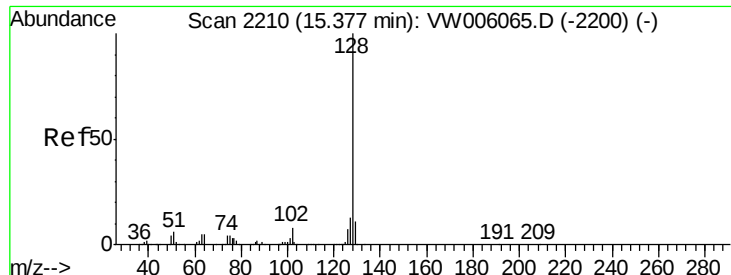
Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

157 0.0 59.8 179.4#

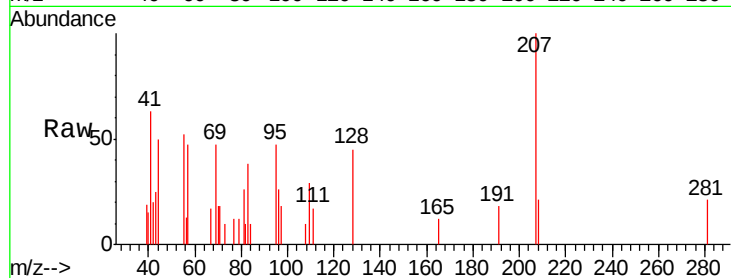




#95
Naphthalene
Concen: 1.12 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006155.D
Acq: 18 Oct 2018 05:48

Instrument :
MSVOA_W
ClientSampleId :
0689-KM-CA-COMP

Tgt Ion:128 Resp: 360
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

