

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006216.D
 Acq On : 19 Oct 2018 10:48
 Operator : VA/AP
 Sample : J5573-01RE
 Misc : 4.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

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

Quant Time: Oct 19 11:31:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	57636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	78493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	55231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17921	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	23108	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.72%		
35) Dibromofluoromethane	7.89	113	21322	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.94%		
50) Toluene-d8	10.33	98	75067	42.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	85.08%		
62) 4-Bromofluorobenzene	12.62	95	21684	32.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	65.44%		

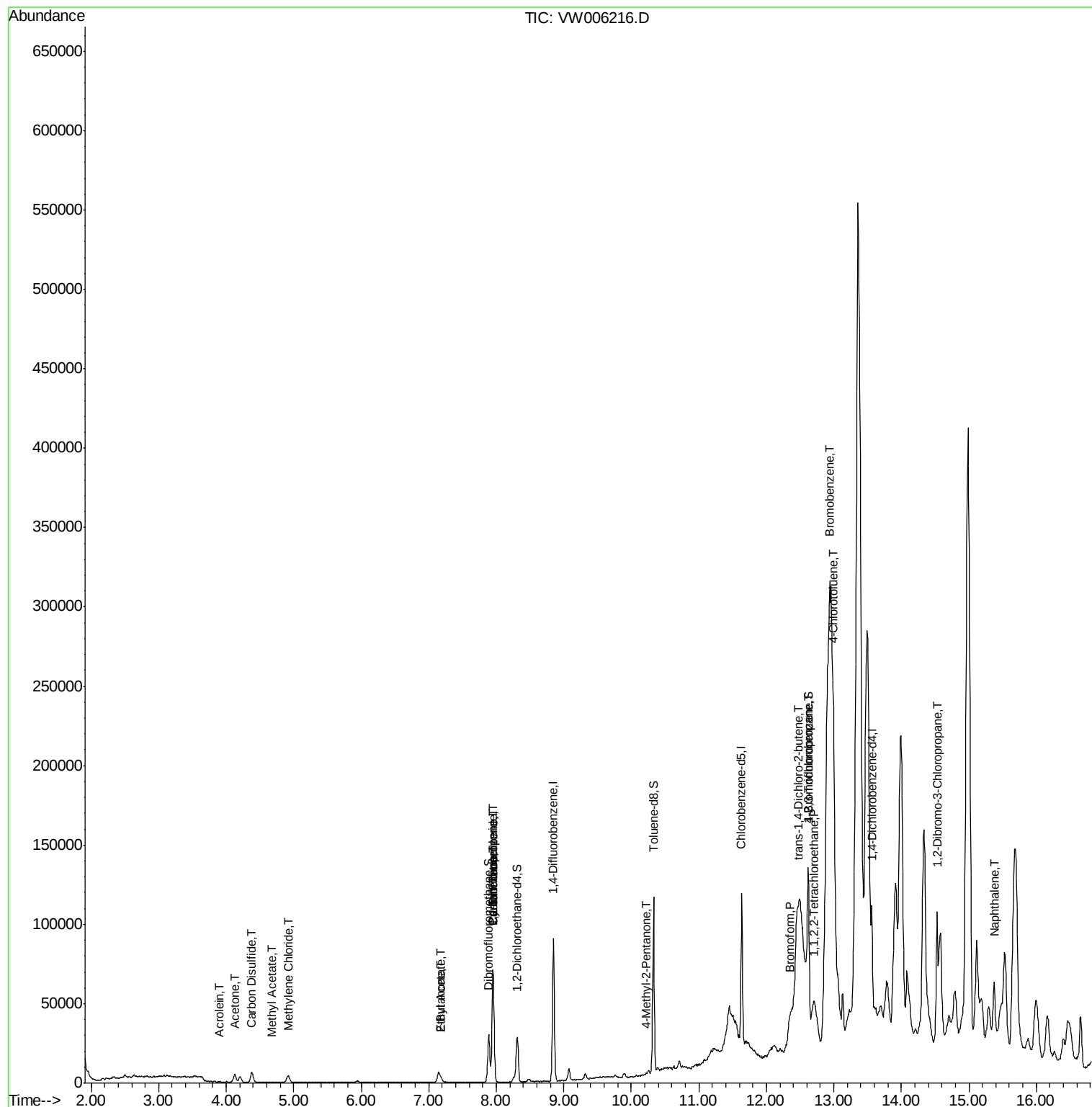
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.90	56	101	3.25	ug/l #	81
16) Acetone	4.13	43	9013	91.13	ug/l	95
17) Carbon Disulfide	4.38	76	11896	8.18	ug/l	98
18) Methyl Acetate	4.67	43	487	2.03	ug/l #	49
20) Methylene Chloride	4.91	84	3440	5.35	ug/l	90
25) 2-Butanone	7.18	43	3441	26.66	ug/l	96
31) Cyclohexane	7.95	56	1138	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3860	5.34	ug/l #	48
37) Ethyl Acetate	7.18	43	3441	12.80	ug/l #	67
38) Carbon Tetrachloride	7.95	117	5408	6.82	ug/l #	16
51) 4-Methyl-2-Pentanone	10.21	43	439	1.59	ug/l #	86
71) Bromoform	12.34	173	296	1.26	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	5173	26.86	ug/l #	35
76) 1,2,3-Trichloropropane	12.62	75	10722	78.33	ug/l #	100
77) Bromobenzene	12.94	156	500390	1613.64	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.47	75	3104	54.21	ug/l #	18
82) 4-Chlorotoluene	12.99	91	2048	2.36	ug/l #	39
92) 1,2-Dibromo-3-Chloropropan	14.53	75	27417	795.23	ug/l #	1
95) Naphthalene	15.38	128	16147	22.92	ug/l	98

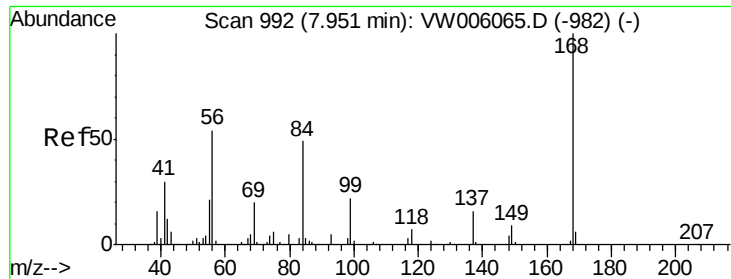
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

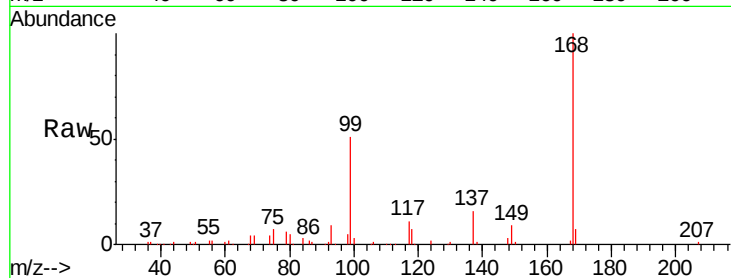
0689-KM-CA-COMPRES

Tgt Ion:168 Resp: 57636

Ion Ratio Lower Upper

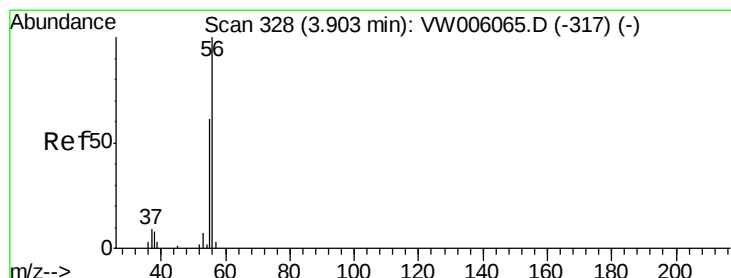
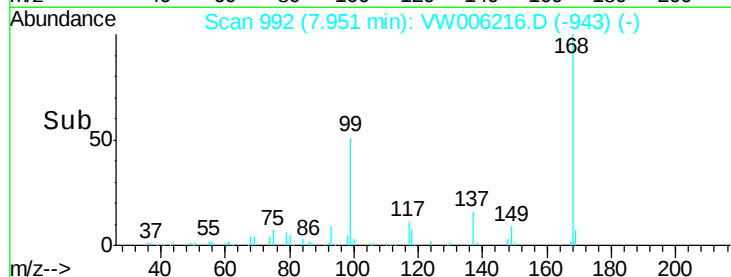
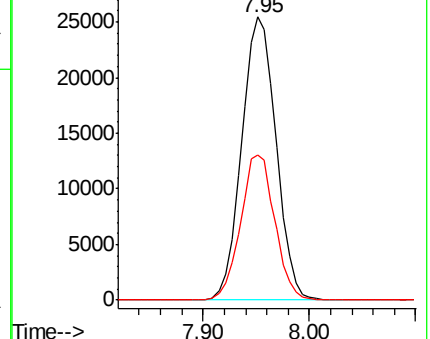
168 100

99 51.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 3.25 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006216.D

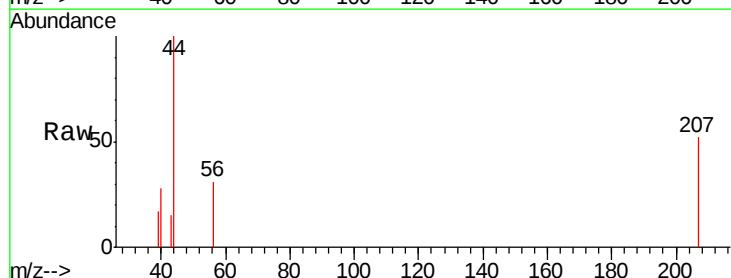
Acq: 19 Oct 2018 10:48

Tgt Ion: 56 Resp: 101

Ion Ratio Lower Upper

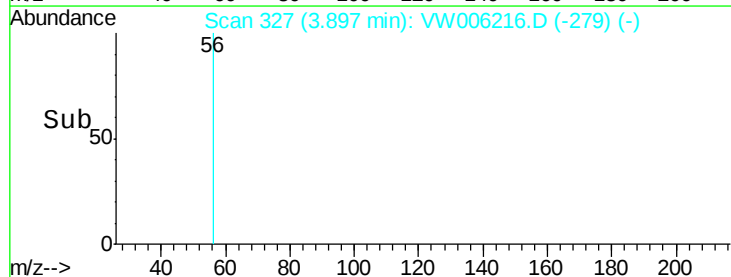
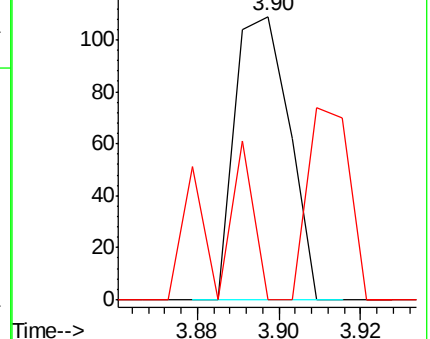
56 100

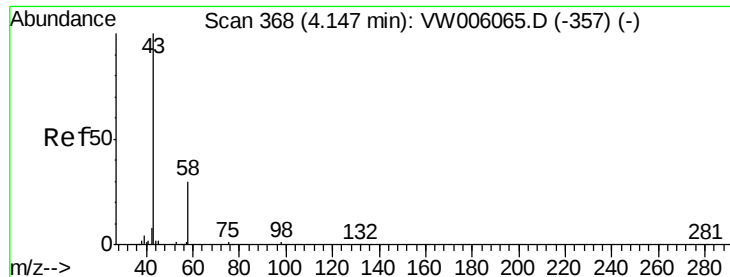
55 52.5 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 91.13 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

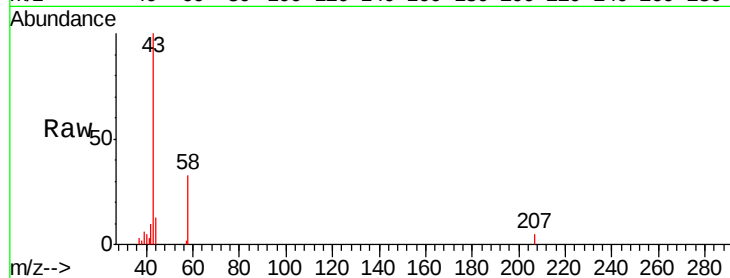
0689-KM-CA-COMP

Tgt Ion: 43 Resp: 9013

Ion Ratio Lower Upper

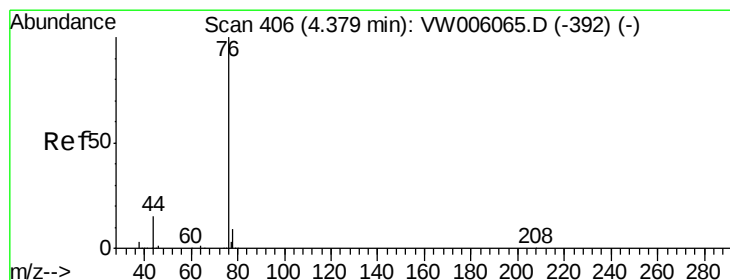
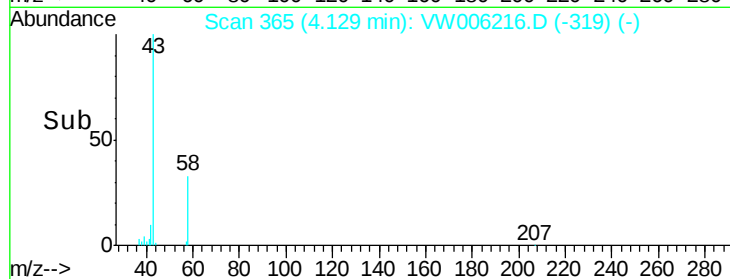
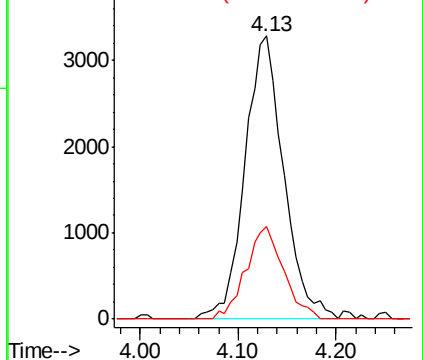
43 100

58 32.6 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 8.18 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006216.D

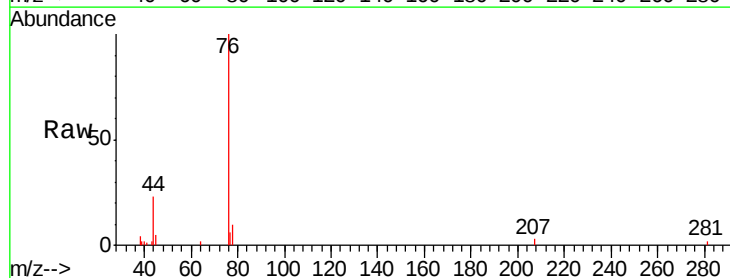
Acq: 19 Oct 2018 10:48

Tgt Ion: 76 Resp: 11896

Ion Ratio Lower Upper

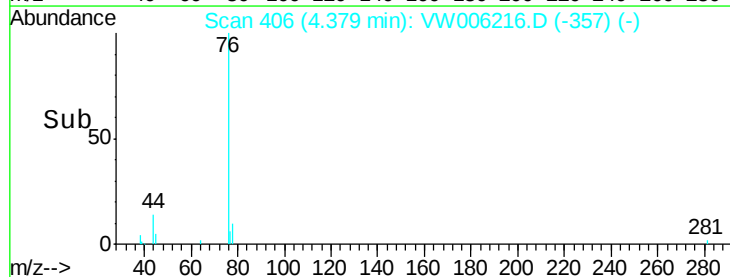
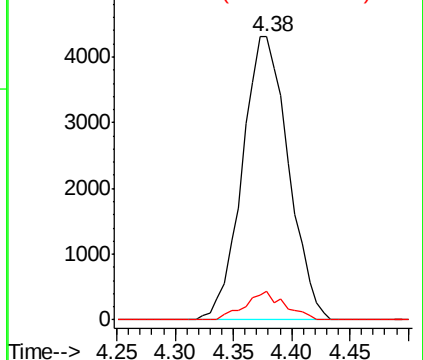
76 100

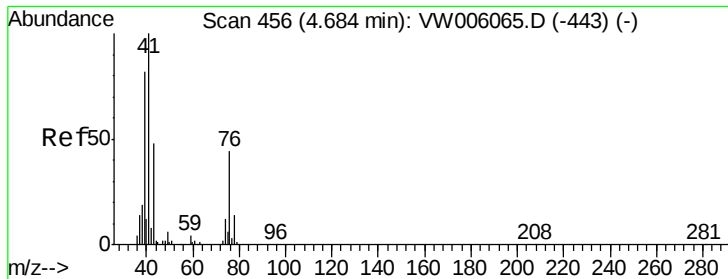
78 10.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

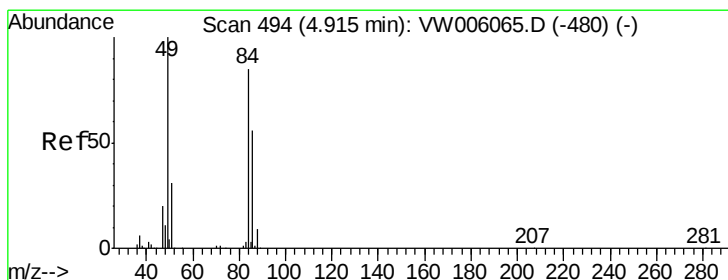
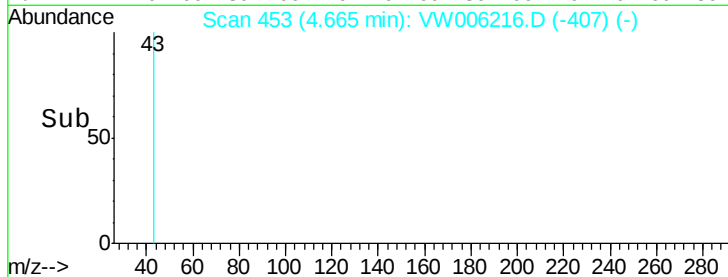
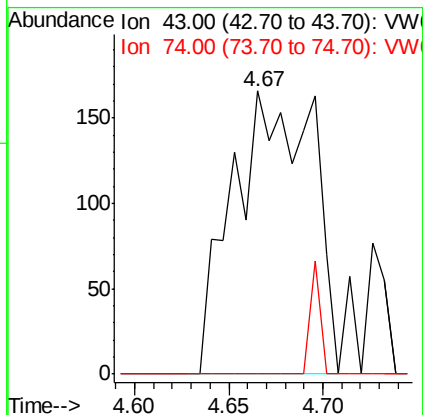
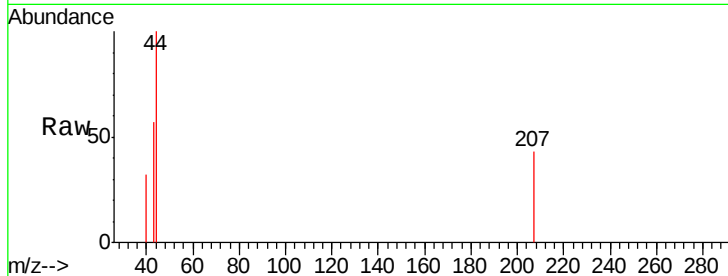




#18
Methyl Acetate
Concen: 2.03 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.02 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

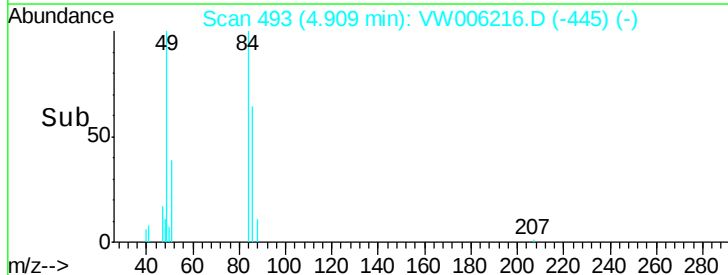
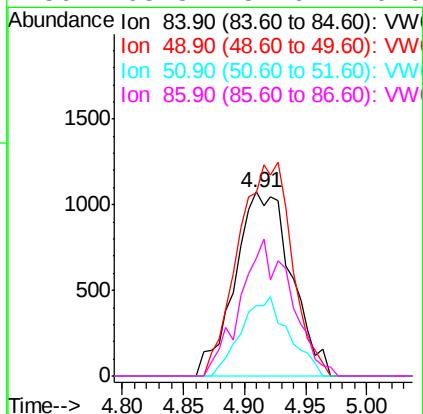
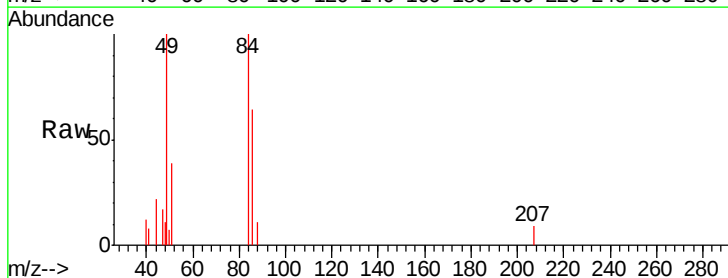
Instrument :
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0689-KM-CA-COMP

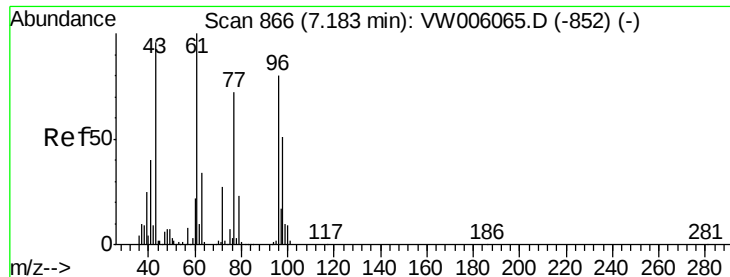
Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
74 0.0 20.5 30.7#



#20
Methylene Chloride
Concen: 5.35 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

Tgt Ion: 84 Resp: 3440
Ion Ratio Lower Upper
84 100
49 99.7 93.6 140.4
51 38.6 29.0 43.4
86 63.8 52.6 79.0





#25

2-Butanone

Concen: 26.66 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

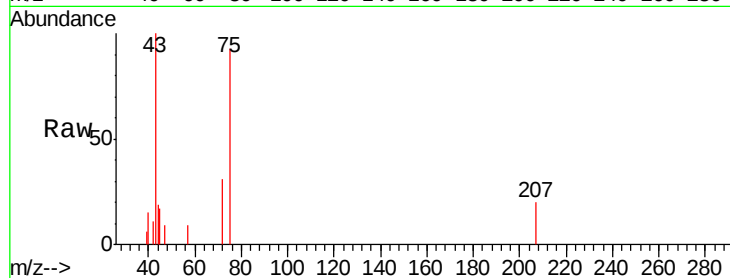
0689-KM-CA-COMP

Tgt Ion: 43 Resp: 3441

Ion Ratio Lower Upper

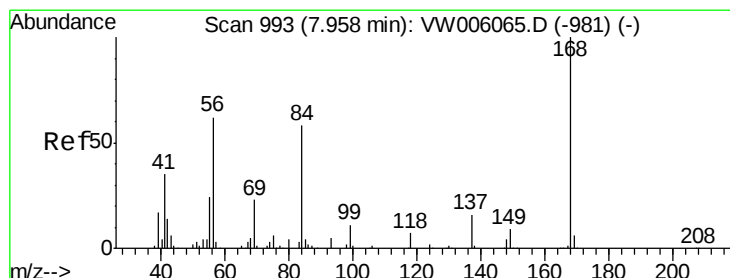
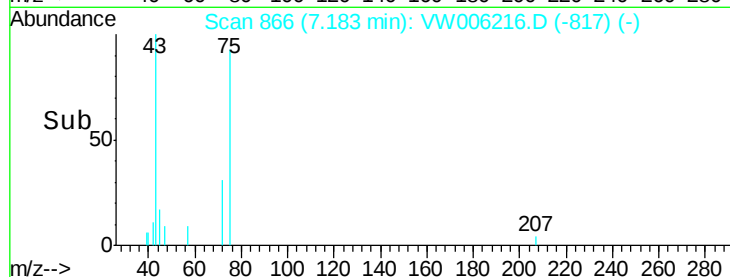
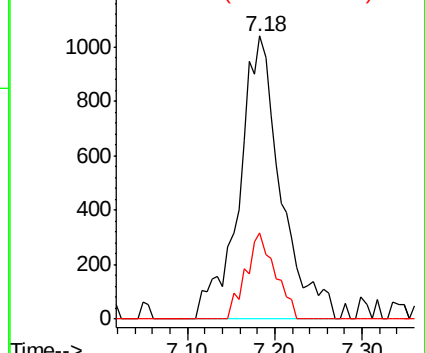
43 100

72 30.5 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.30 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

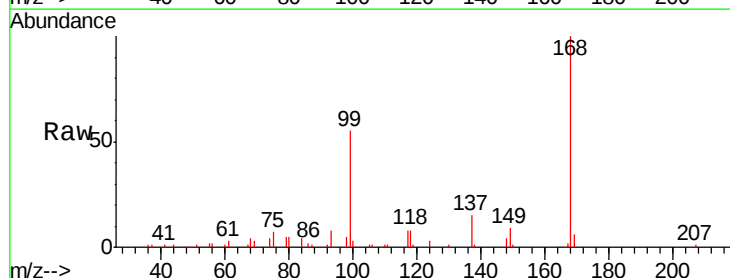
Tgt Ion: 56 Resp: 1138

Ion Ratio Lower Upper

56 100

69 168.6 29.4 44.0#

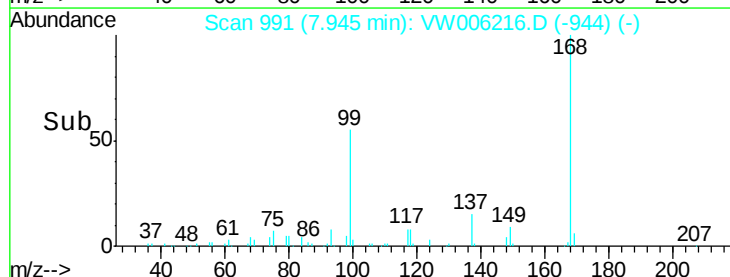
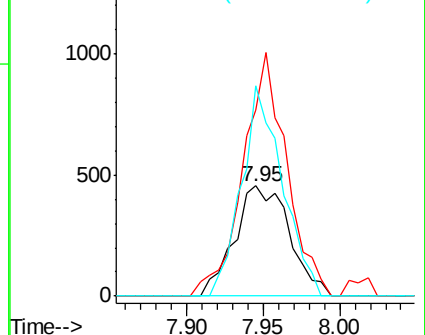
84 190.4 74.0 111.0#

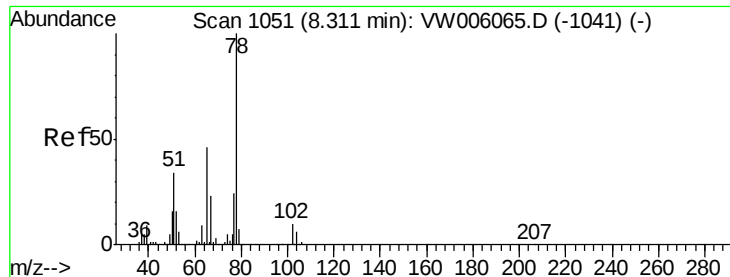


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 48.36 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

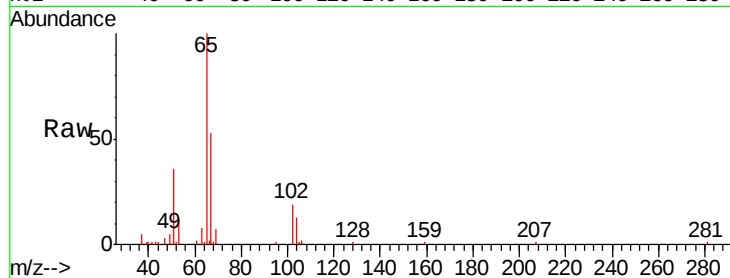
0689-KM-CA-COMPRES

Tgt Ion: 65 Resp: 23108

Ion Ratio Lower Upper

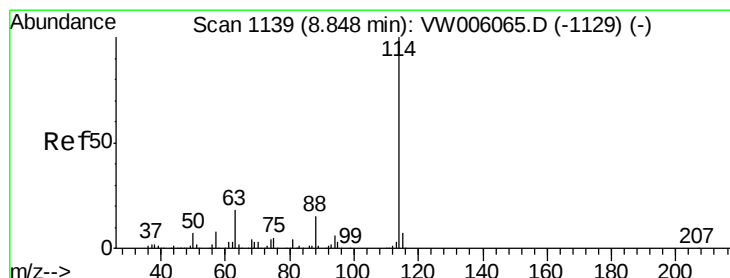
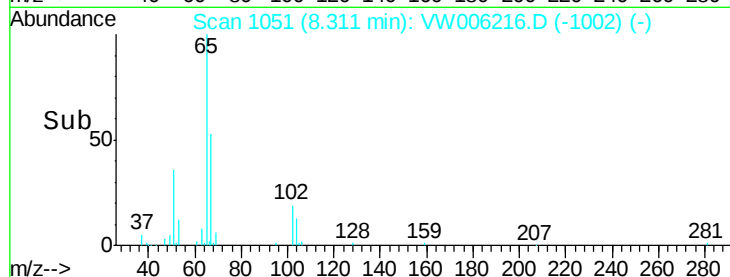
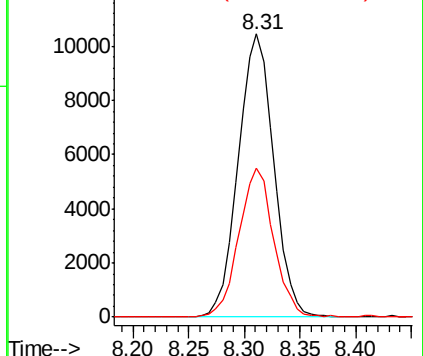
65 100

67 51.8 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

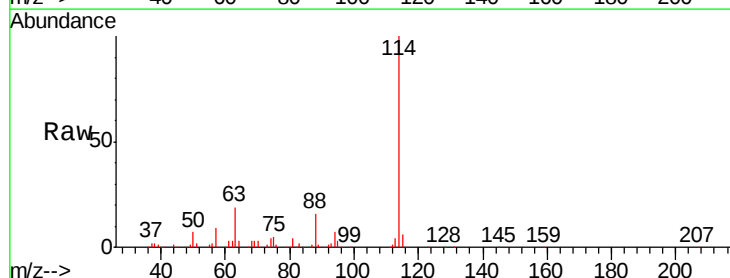
Tgt Ion: 114 Resp: 78493

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

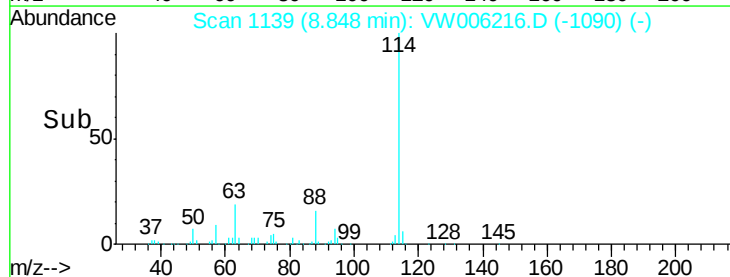
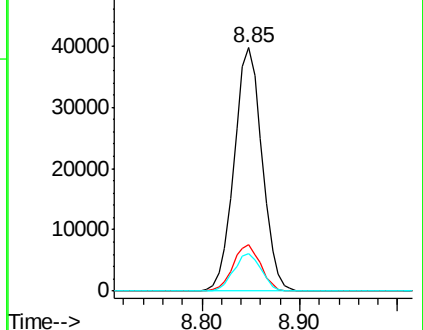
88 15.5 0.0 29.0

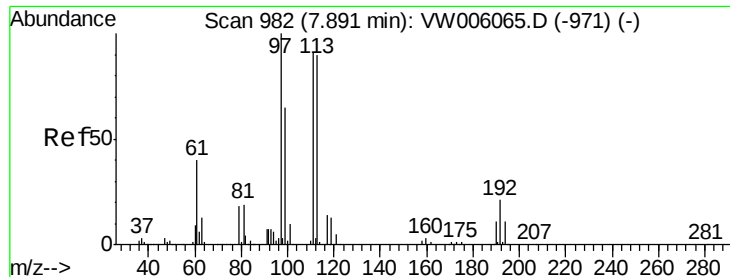


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

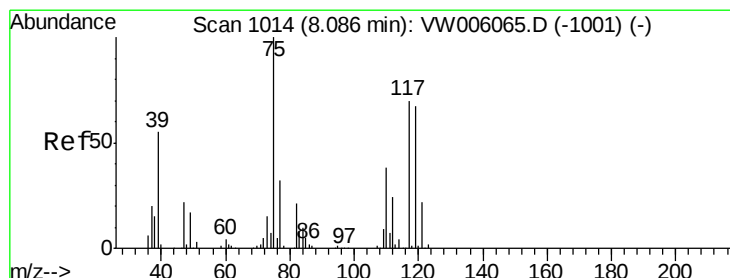
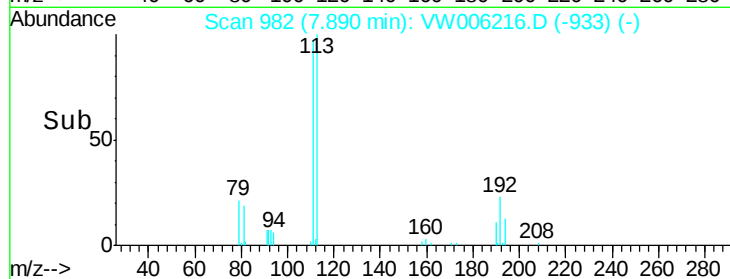
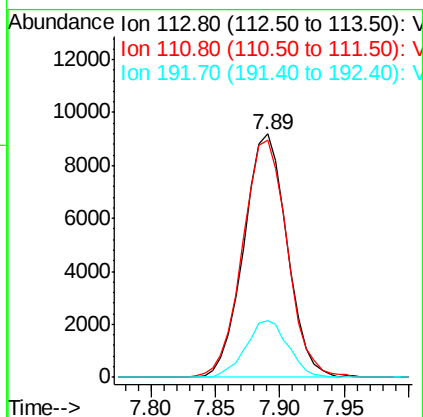
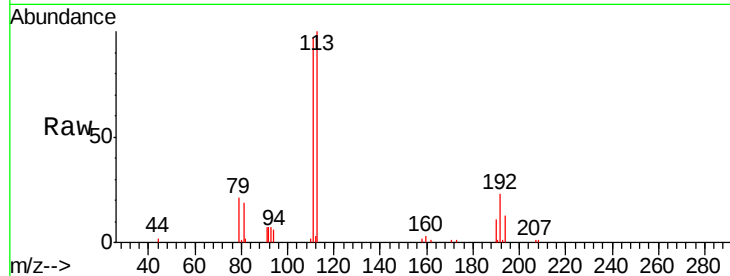




#35
 Dibromofluoromethane
 Concen: 45.97 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006216.D
 Acq: 19 Oct 2018 10:48

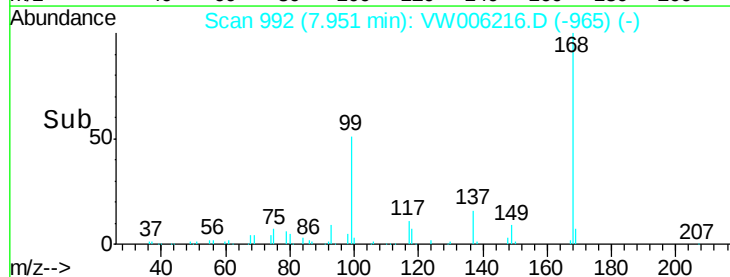
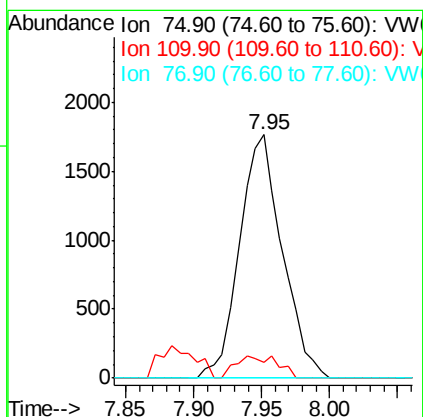
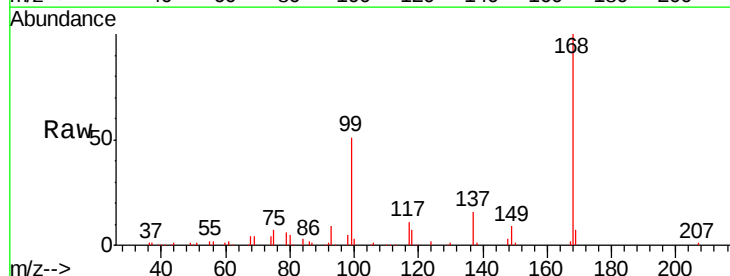
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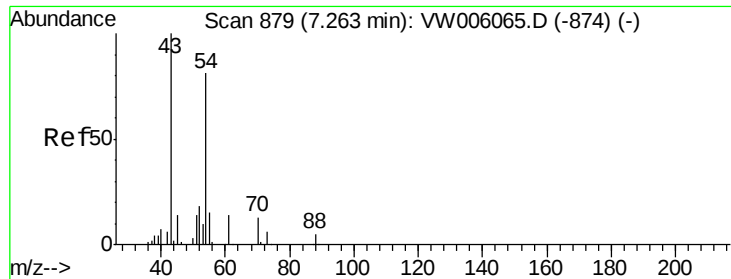
Tgt Ion: 113 Resp: 21322
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 22.7 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 5.34 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006216.D
 Acq: 19 Oct 2018 10:48

Tgt Ion: 75 Resp: 3860
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.1 57.1#
 77 0.0 25.0 37.4#

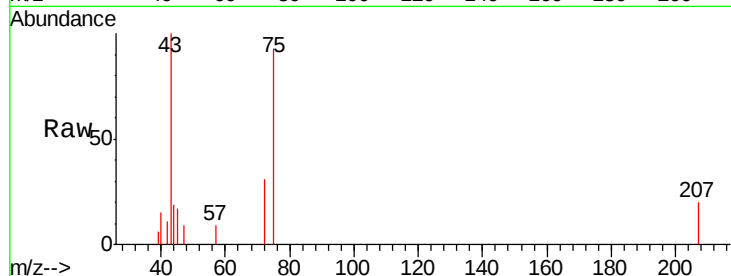




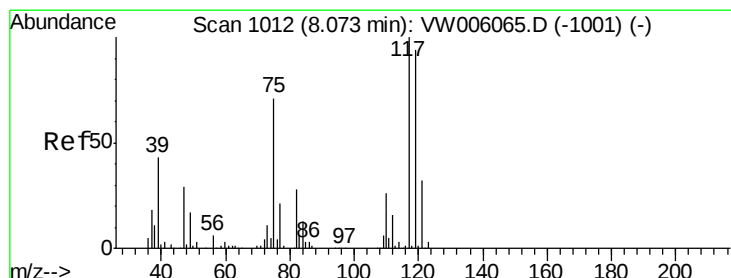
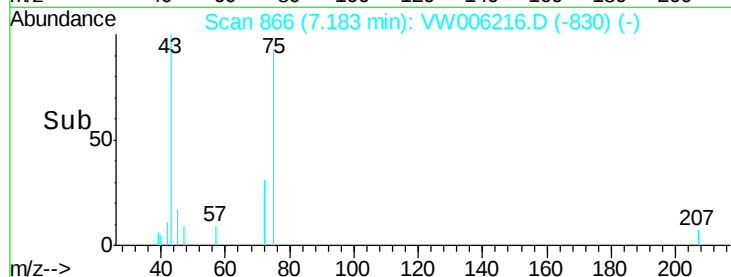
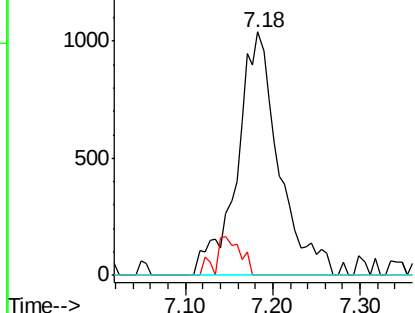
#37
Ethyl Acetate
Concen: 12.80 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.08 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

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

Tgt Ion: 43 Resp: 3441
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.2 13.8#

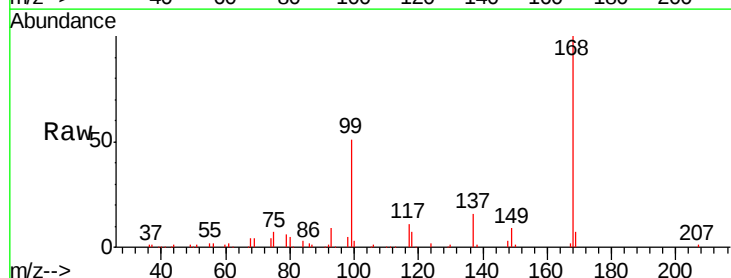


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

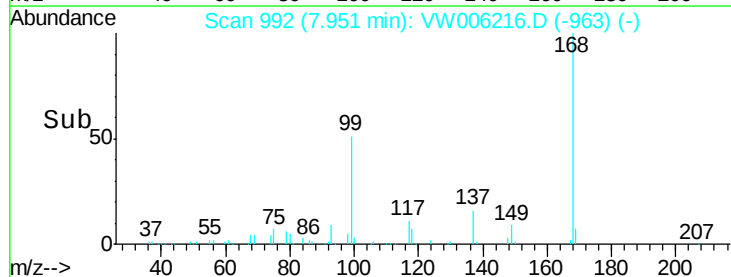
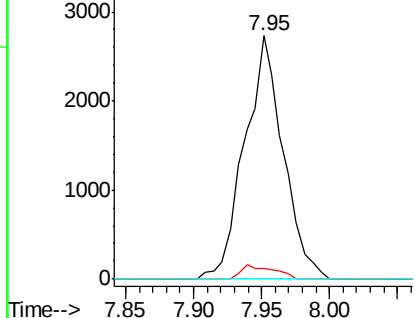


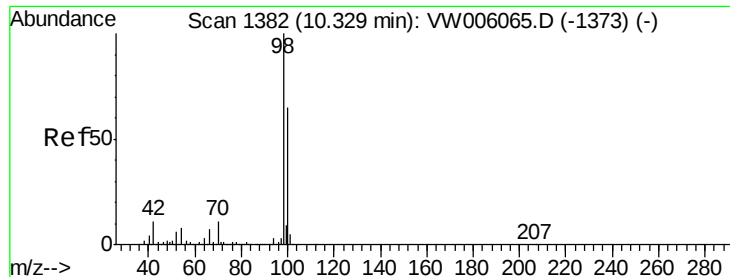
#38
Carbon Tetrachloride
Concen: 6.82 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

Tgt Ion: 117 Resp: 5408
Ion Ratio Lower Upper
117 100
119 4.6 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: 42.54 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

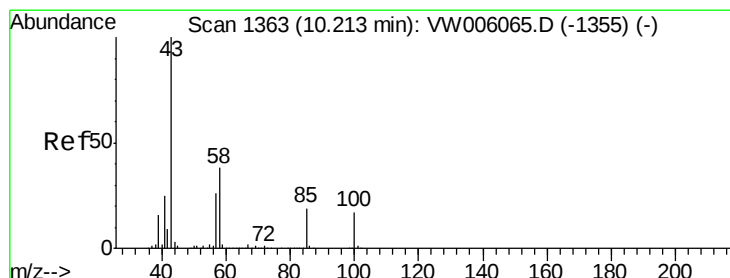
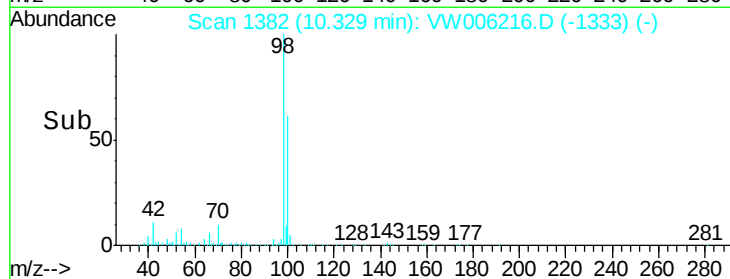
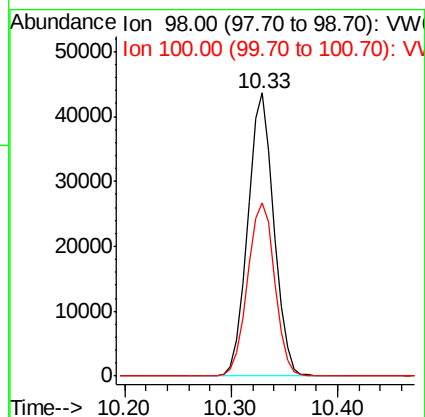
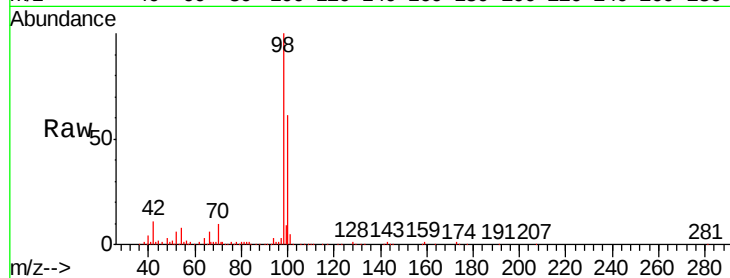
0689-KM-CA-COMP

Tgt Ion: 98 Resp: 75067

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.59 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006216.D

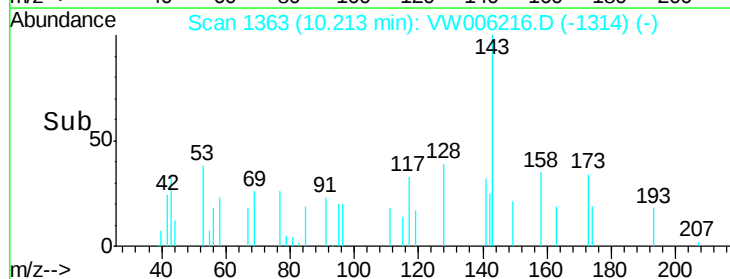
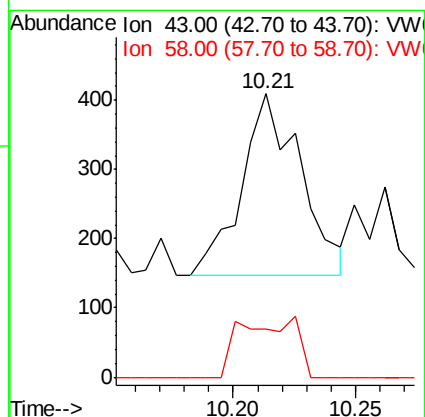
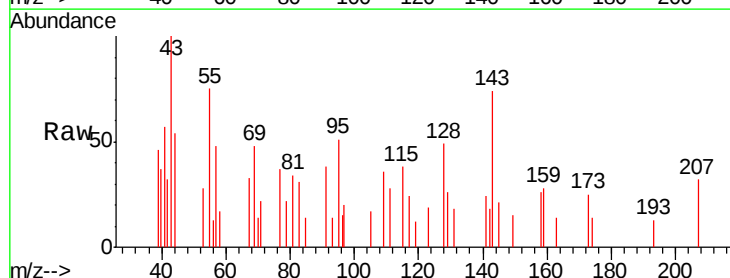
Acq: 19 Oct 2018 10:48

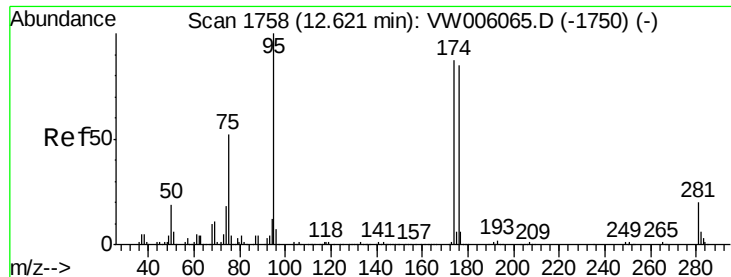
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

58 31.0 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 32.72 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

0689-KM-CA-COMP

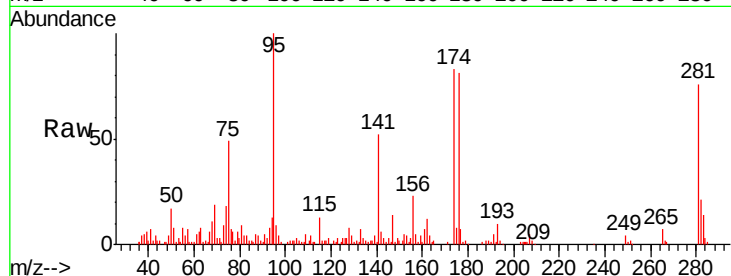
Tgt Ion: 95 Resp: 21684

Ion Ratio Lower Upper

95 100

174 83.5 0.0 186.0

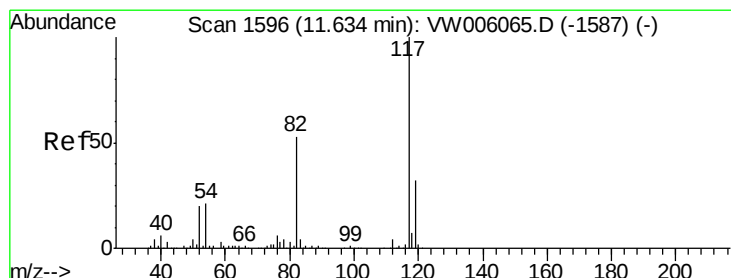
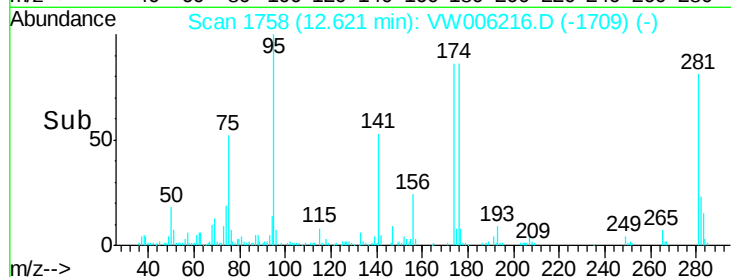
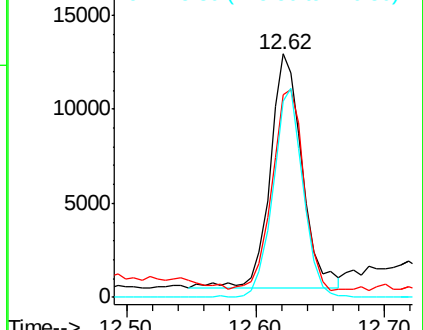
176 82.9 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

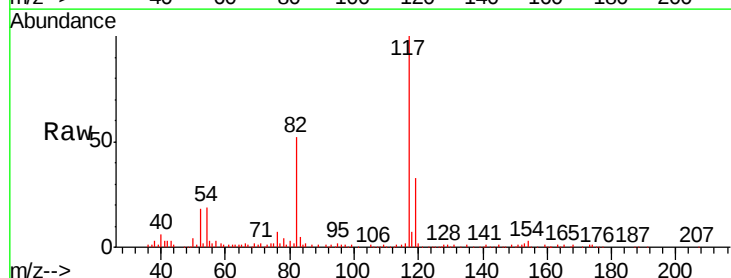
Tgt Ion: 117 Resp: 55231

Ion Ratio Lower Upper

117 100

82 51.5 42.1 63.1

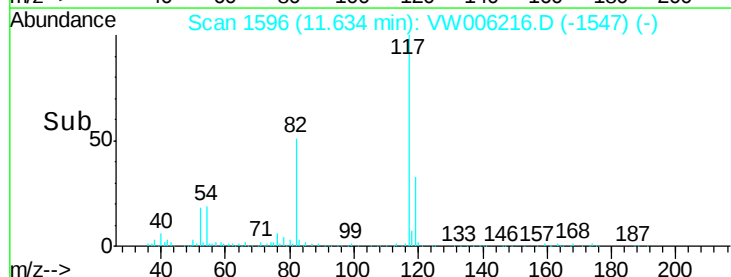
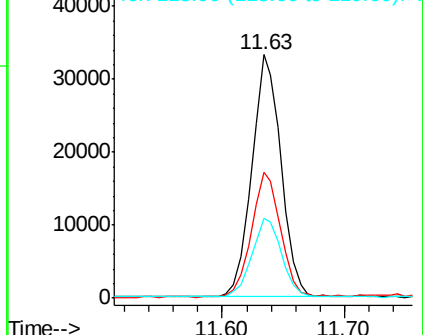
119 32.2 25.8 38.6

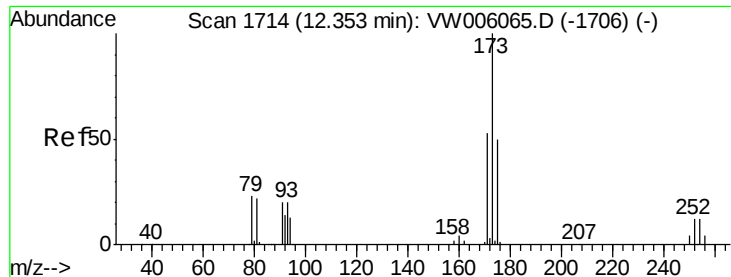


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

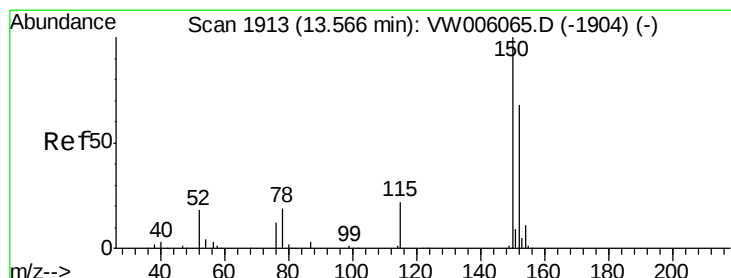
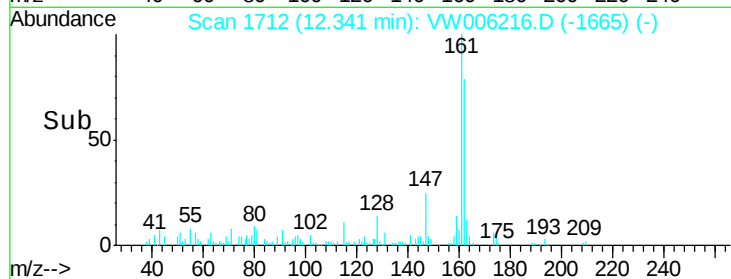
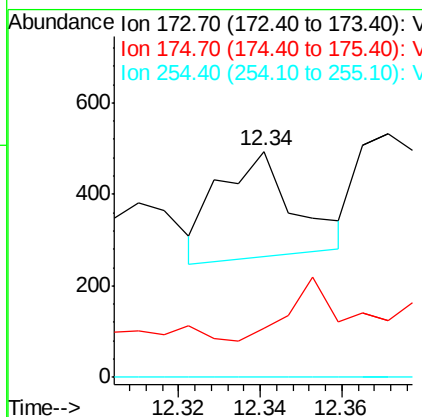
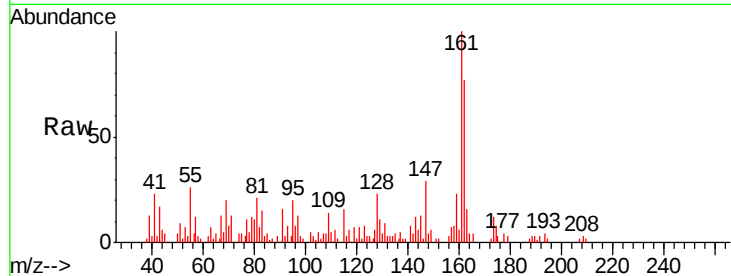




#71
Bromoform
Concen: 1.26 ug/l
RT: 12.34 min Scan# 1712
Delta R.T. -0.01 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

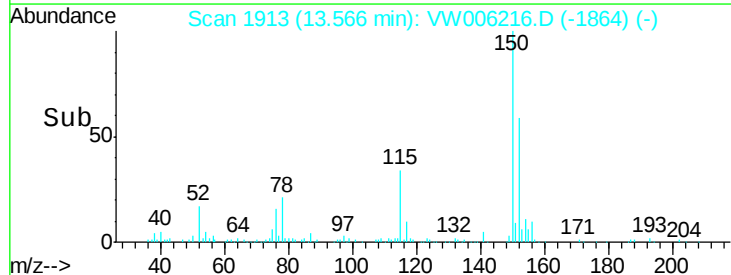
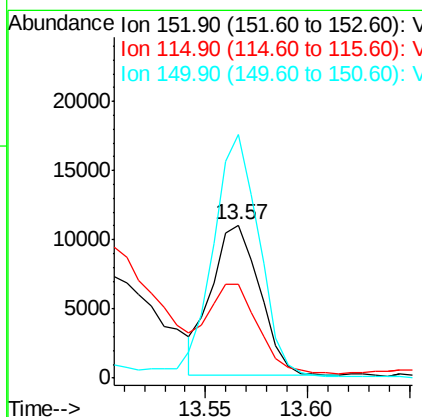
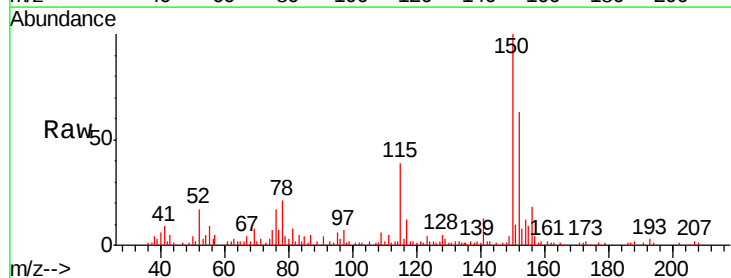
Instrument :
MSVOA_W
ClientSampleId :
0689-KM-CA-COMP

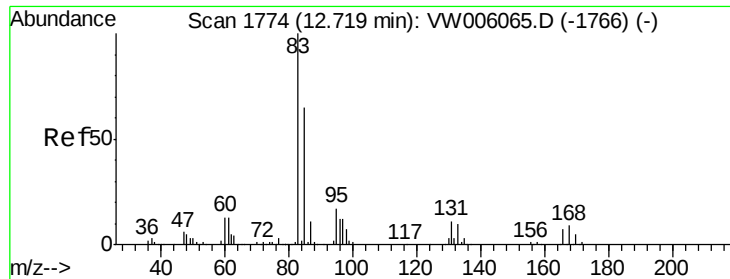
Tgt Ion:173 Resp: 296
Ion Ratio Lower Upper
173 100
175 45.6 24.2 72.6
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

Tgt Ion:152 Resp: 17921
Ion Ratio Lower Upper
152 100
115 62.1 27.8 83.3
150 152.7 0.0 349.2

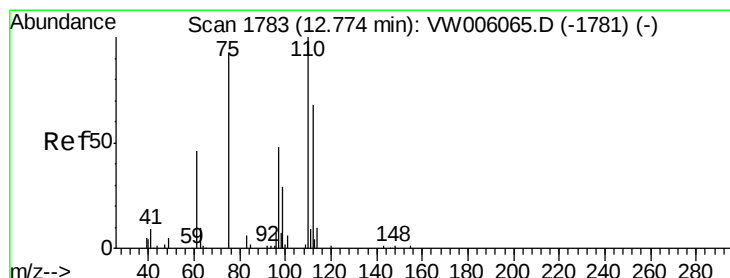
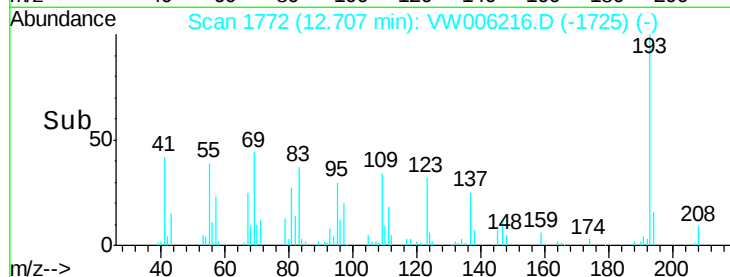
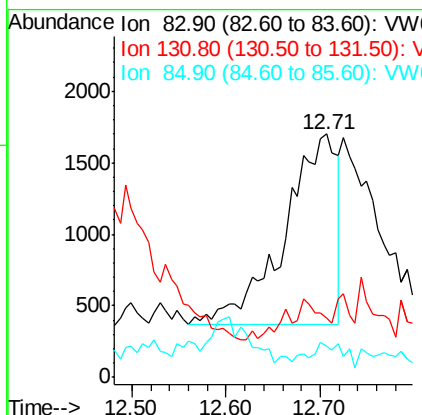
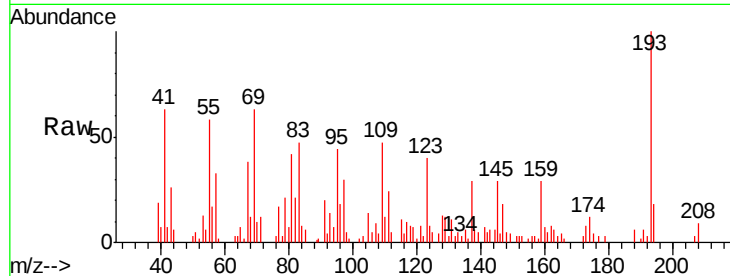




#75
 1,1,2,2-Tetrachloroethane
 Concen: 26.86 ug/l
 RT: 12.71 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: VW006216.D
 Acq: 19 Oct 2018 10:48

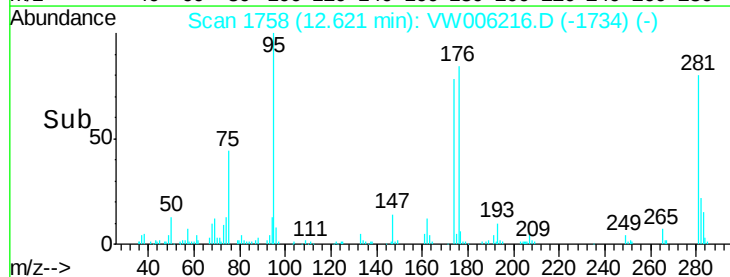
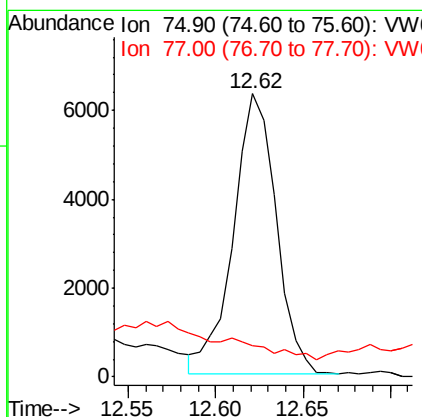
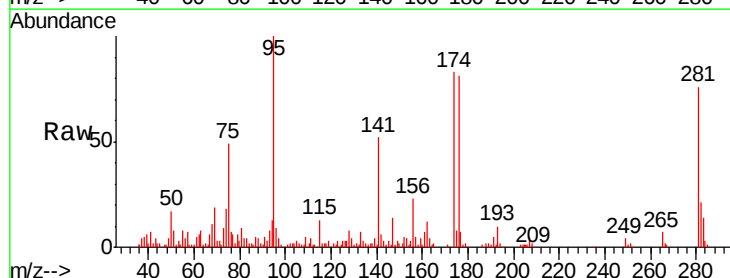
Instrument :
 MSVOA_W
 ClientSampleId :
 0689-KM-CA-COMP

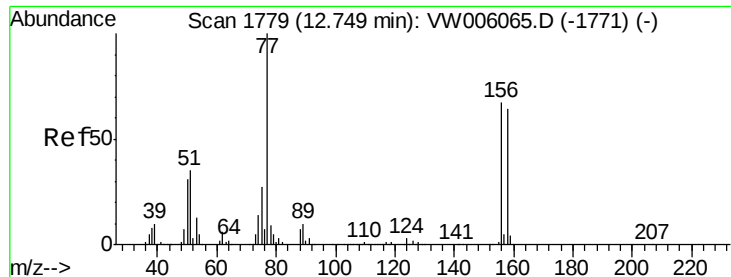
Tgt Ion: 83 Resp: 5173
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.9 17.7#
 85 8.5 31.9 95.9#



#76
 1,2,3-Trichloropropane
 Concen: 78.33 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006216.D
 Acq: 19 Oct 2018 10:48

Tgt Ion: 75 Resp: 10722
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 1613.64 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.19 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

0689-KM-CA-COMP

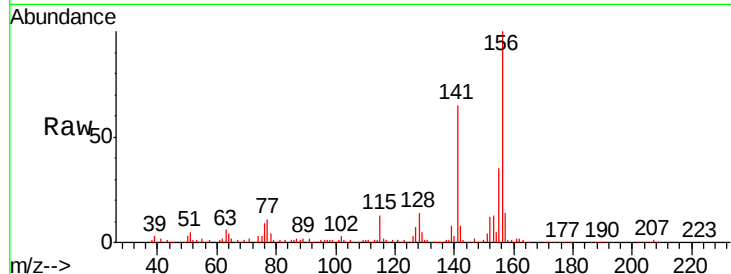
Tgt Ion: 156 Resp: 500390

Ion Ratio Lower Upper

156 100

77 4.4 79.1 237.4#

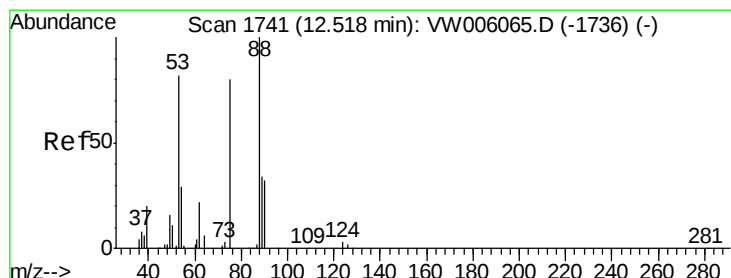
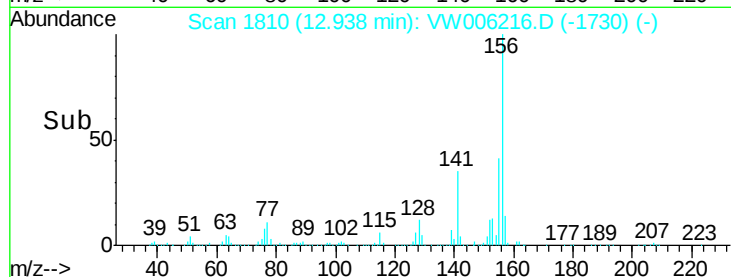
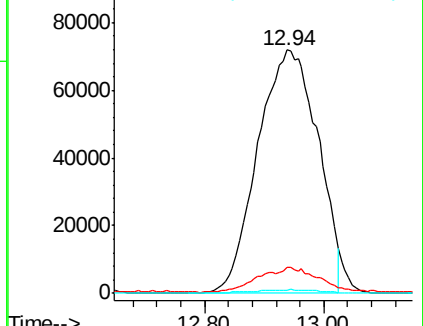
158 0.9 48.5 145.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 54.21 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.05 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

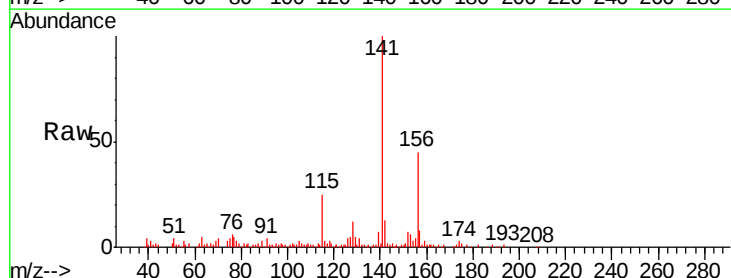
Tgt Ion: 75 Resp: 3104

Ion Ratio Lower Upper

75 100

53 12.8 79.8 119.6#

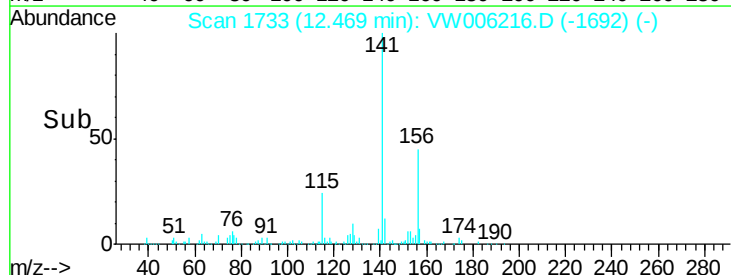
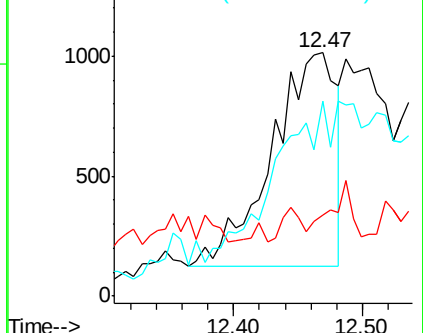
89 0.0 37.5 56.3#

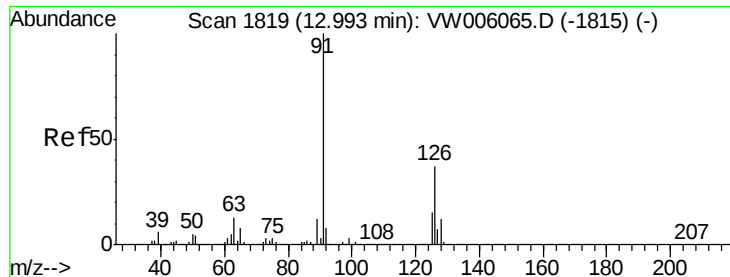


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#82

4-Chlorotoluene

Concen: 2.36 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

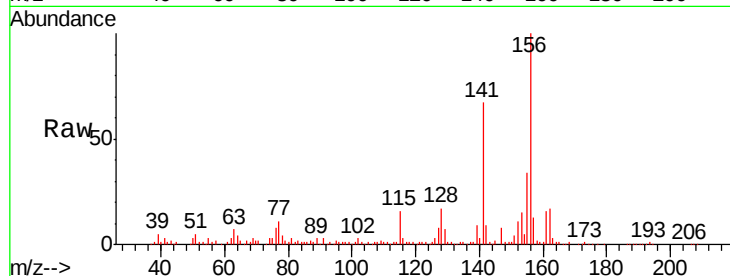
0689-KM-CA-COMP

Tgt Ion: 91 Resp: 2048

Ion Ratio Lower Upper

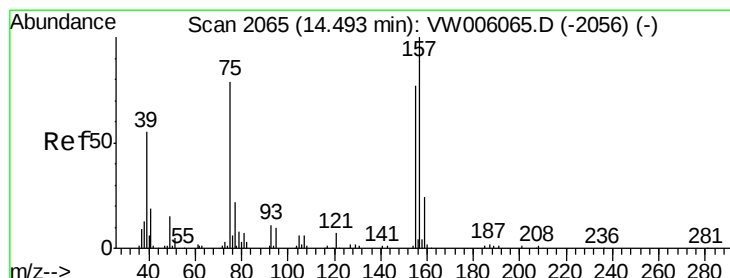
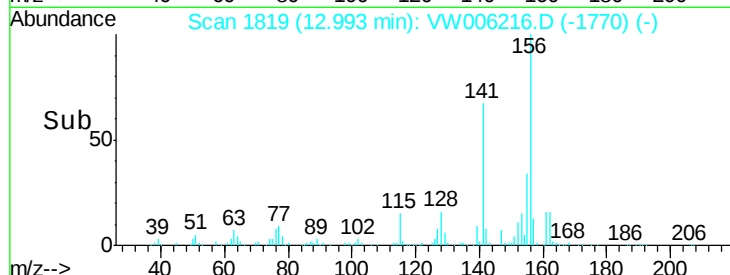
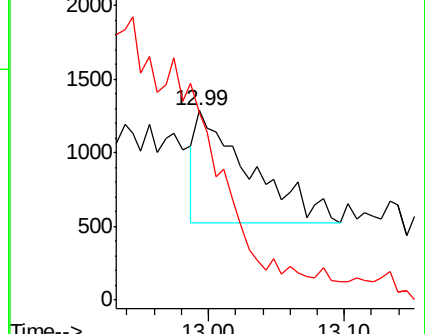
91 100

126 0.0 18.1 54.3#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 795.23 ug/l

RT: 14.53 min Scan# 2071

Delta R.T. 0.04 min

Lab File: VW006216.D

Acq: 19 Oct 2018 10:48

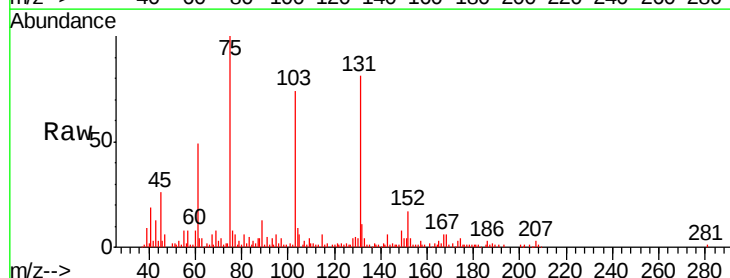
Tgt Ion: 75 Resp: 27417

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.5#

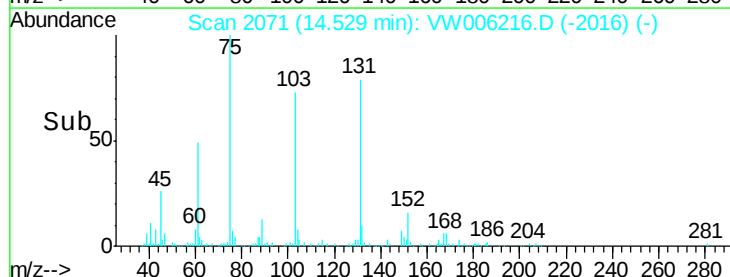
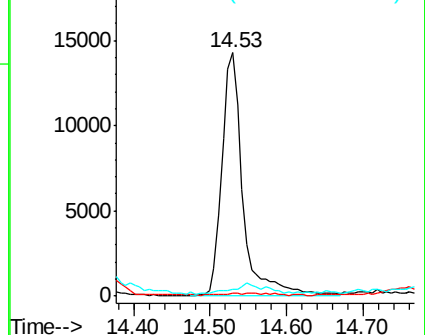
157 4.9 59.8 179.4#

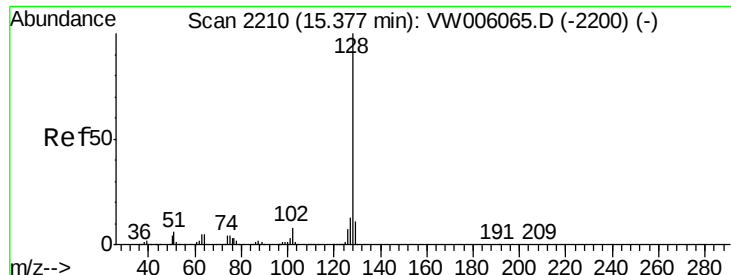


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

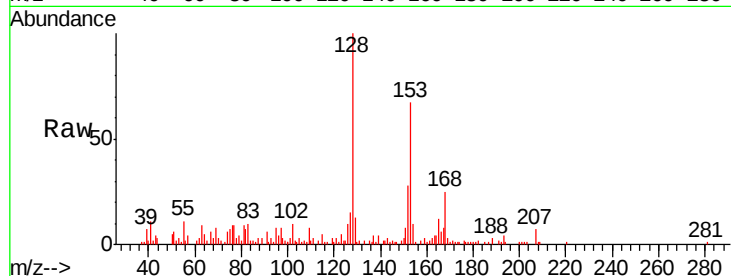




#95
Naphthalene
Concen: 22.92 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006216.D
Acq: 19 Oct 2018 10:48

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

Tgt Ion	Resp	Lower	Upper
128	16147		
127	14.2	10.3	15.5
129	10.4	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

