

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070318\
 Data File : VW003707.D
 Acq On : 03 Jul 2018 18:52
 Operator : SY/AP
 Sample : J3845-13
 Misc : 5.03G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9

Quant Time: Jul 05 02:39:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	168839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	283584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	120881	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	94530	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
35) Dibromofluoromethane	7.88	113	86515	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.33	98	288039	39.67	ug/l	0.00
Spiked Amount			Recovery	=	79.34%	
62) 4-Bromofluorobenzene	12.62	95	99734	38.23	ug/l	0.00
Spiked Amount			Recovery	=	76.46%	

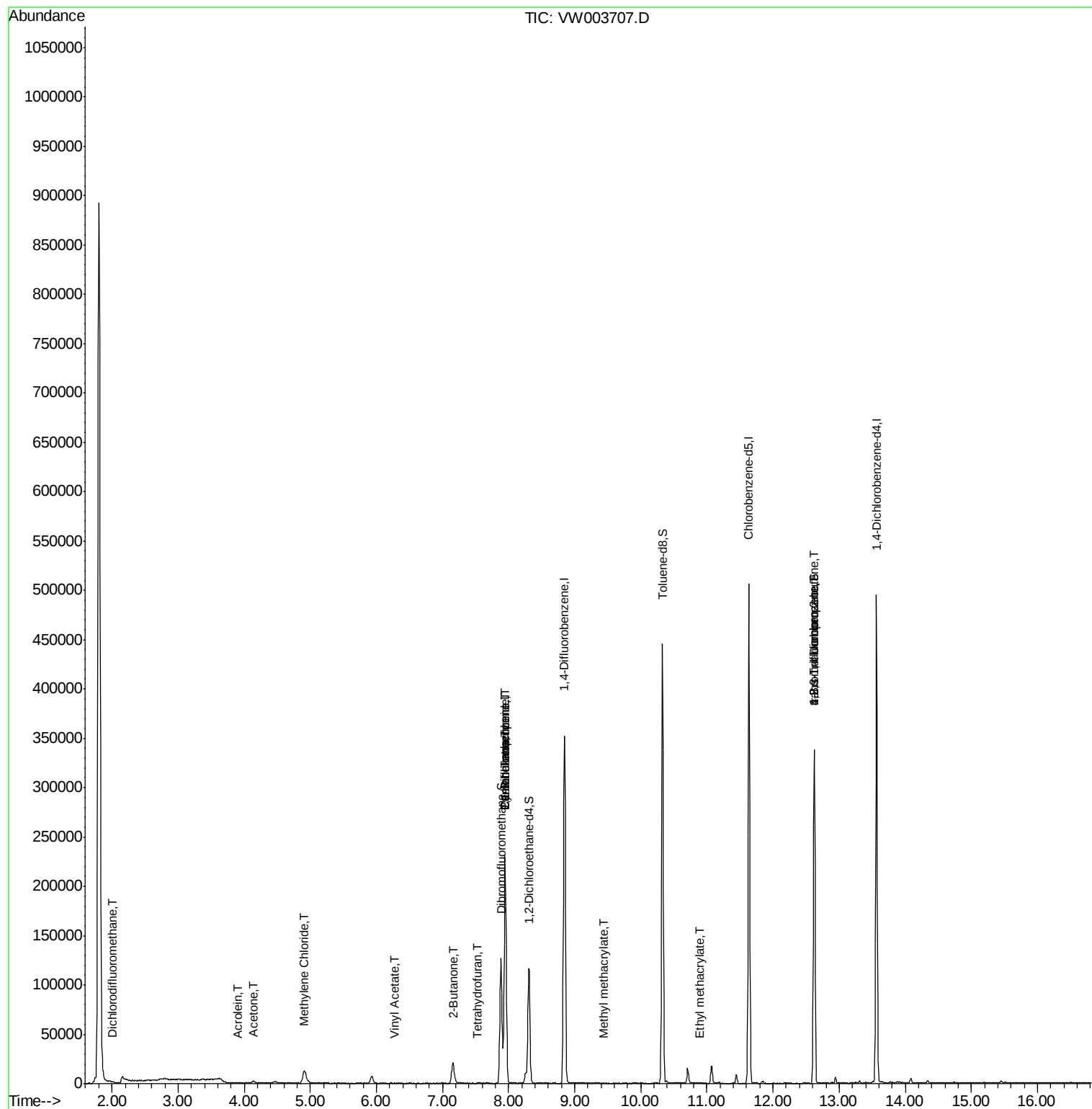
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	98	4.966	ug/l #	43
13) Acrolein	3.90	56	65	1.064	ug/l #	16
16) Acetone	4.14	43	3691	7.682	ug/l	95
20) Methylene Chloride	4.91	84	11109	2.892	ug/l	94
23) Vinyl Acetate	6.28	43	84	13.884	ug/l #	74
25) 2-Butanone	7.17	43	1729	2.810	ug/l #	74
29) Tetrahydrofuran	7.53	42	581	1.575	ug/l #	46
31) Cyclohexane	7.95	56	4618	1.501	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	14249	5.005	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17072	6.304	ug/l #	18
48) Methyl methacrylate	9.45	41	67	3.409	ug/l #	29
56) Ethyl methacrylate	10.89	69	22	3.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	53551	49.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	53551	104.399	ug/l #	9

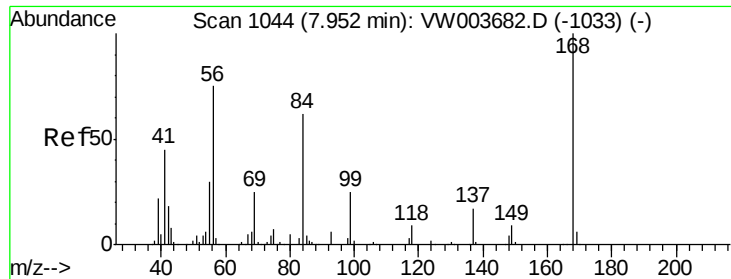
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

Instrument :

MSVOA_W

ClientSampled :

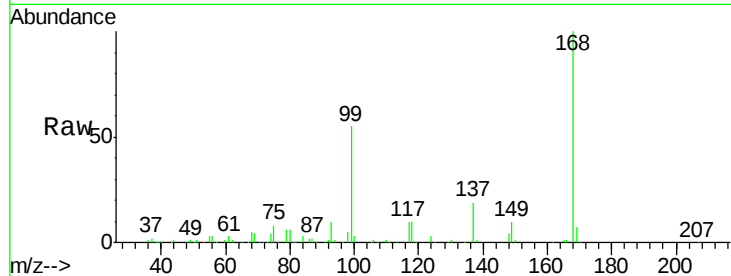
GF-G-9

Tgt Ion:168 Resp: 168839

Ion Ratio Lower Upper

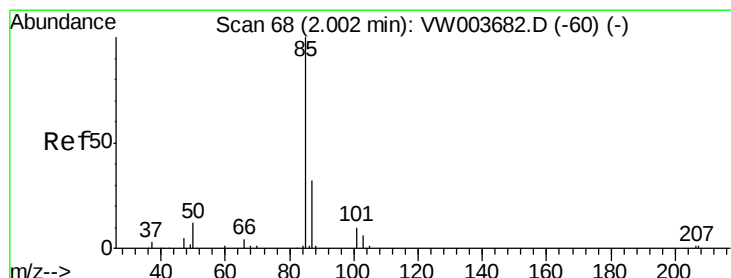
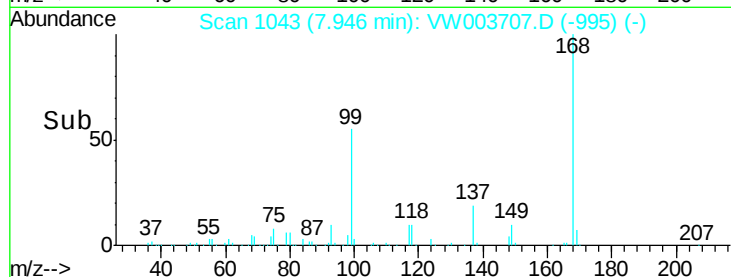
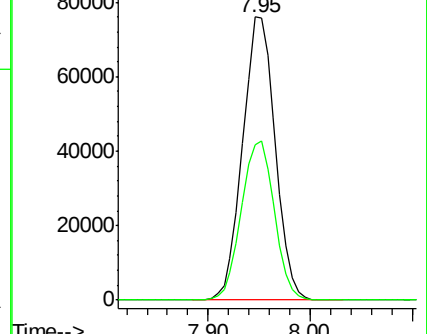
168 100

99 55.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.966 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003707.D

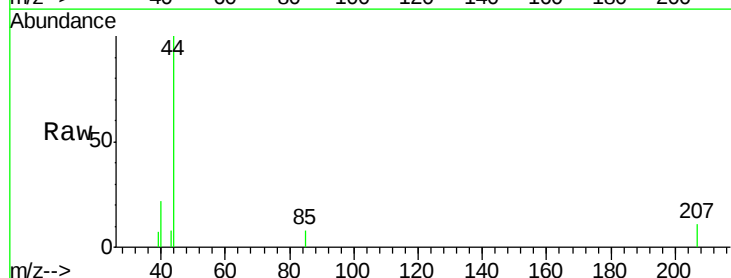
Acq: 03 Jul 2018 18:52

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

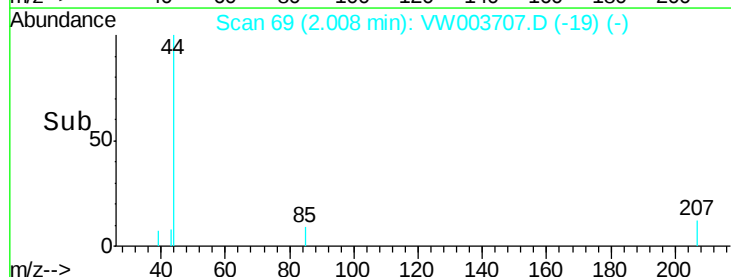
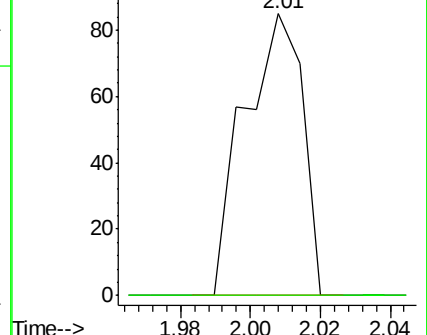
85 100

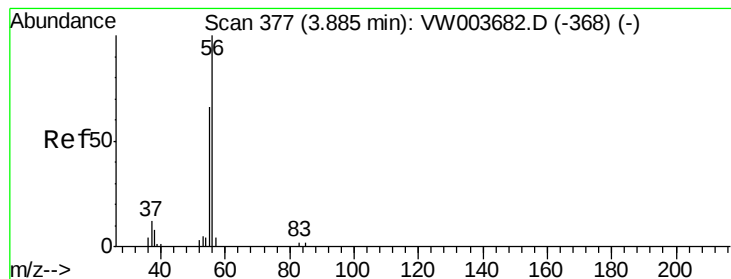
87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#13

Acrolein

Concen: 1.064 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.02 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

Instrument :

MSVOA_W

ClientSampled :

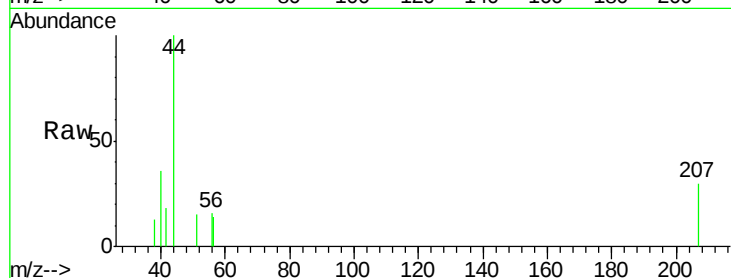
GF-G-9

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

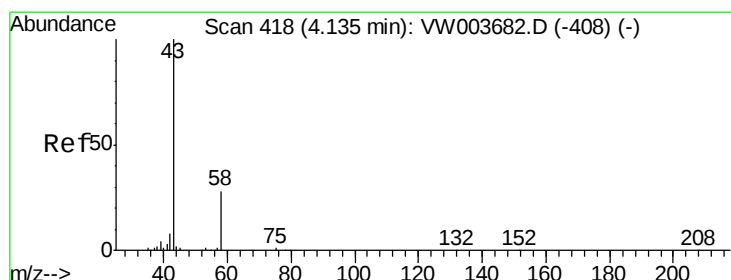
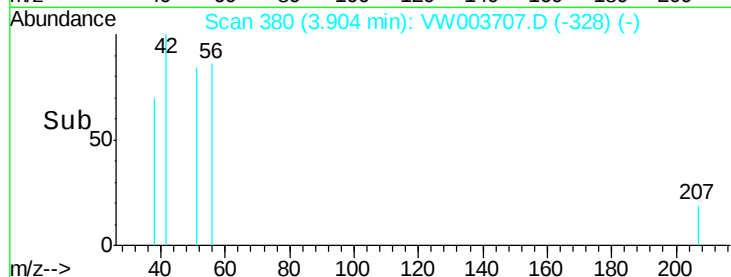
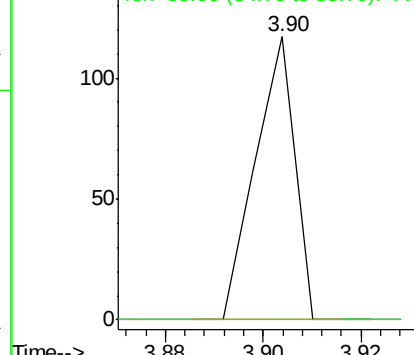
56 100

55 0.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 7.682 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003707.D

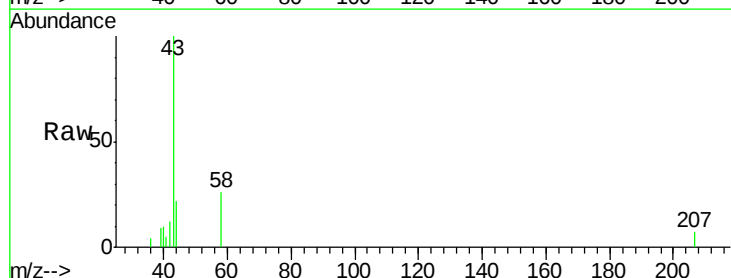
Acq: 03 Jul 2018 18:52

Tgt Ion: 43 Resp: 3691

Ion Ratio Lower Upper

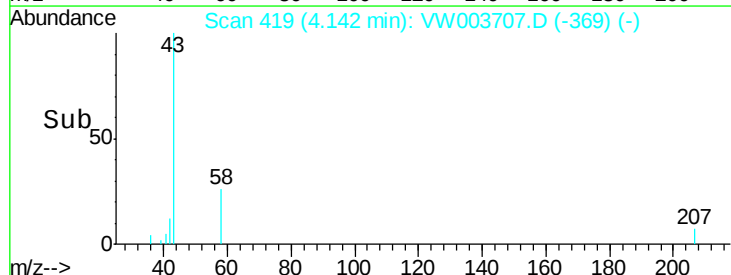
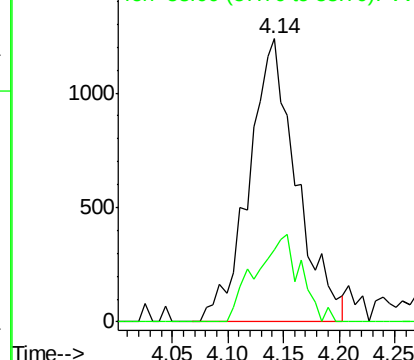
43 100

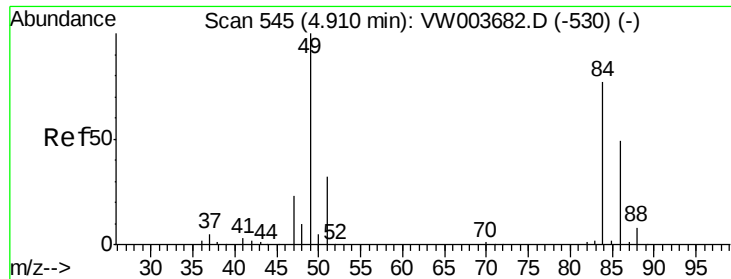
58 25.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

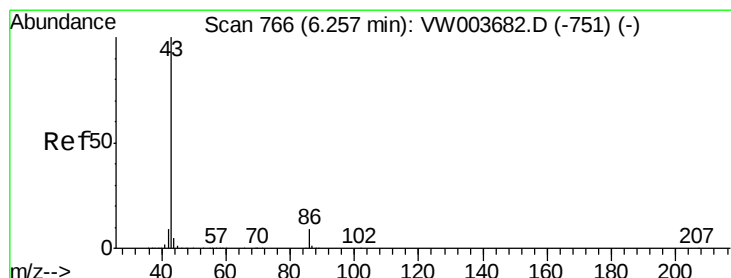
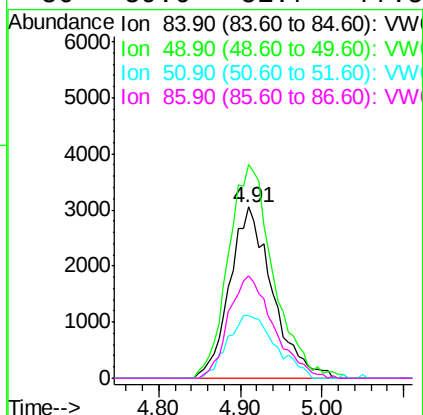
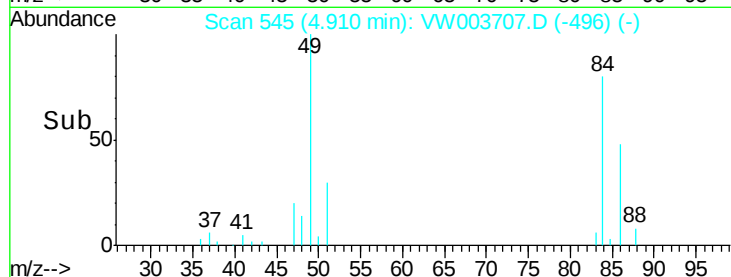
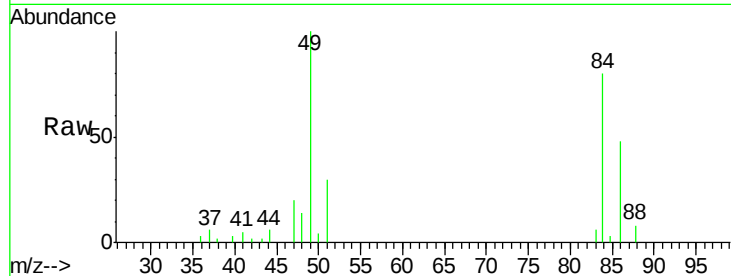




#20
Methylene Chloride
Concen: 2.892 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

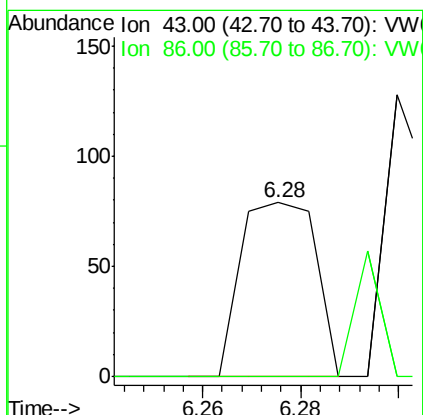
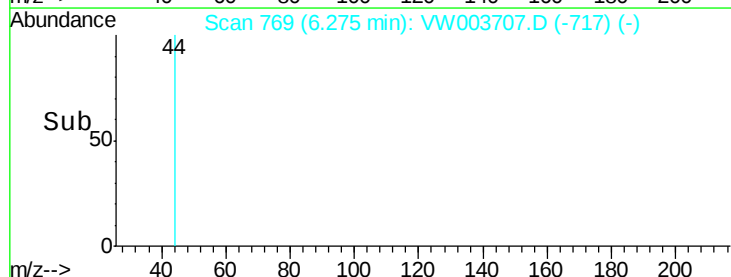
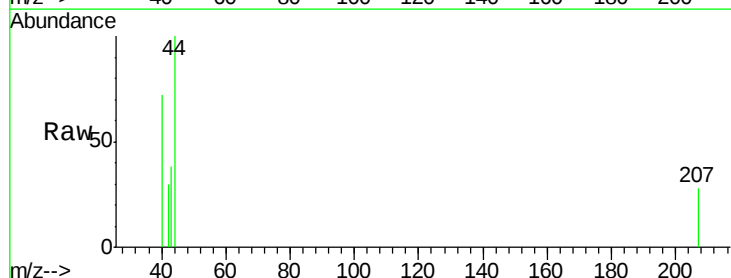
Instrument :
MSVOA_W
ClientSampled :
GF-G-9

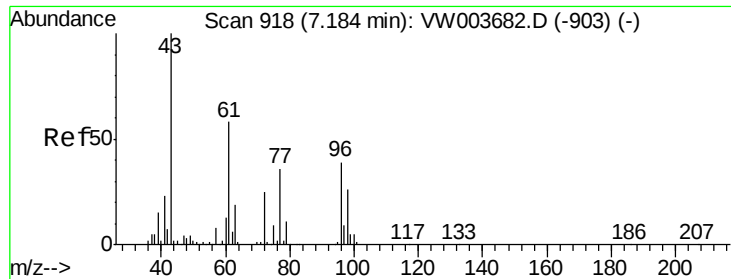
Tgt Ion: 84 Resp: 11109
Ion Ratio Lower Upper
84 100
49 124.5 104.6 156.8
51 36.7 33.2 49.8
86 59.6 51.7 77.5



#23
Vinyl Acetate
Concen: 13.884 ug/l
RT: 6.28 min Scan# 769
Delta R.T. 0.02 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
86 0.0 7.5 11.3#





#25

2-Butanone

Concen: 2.810 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.02 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

Instrument :

MSVOA_W

ClientSampled :

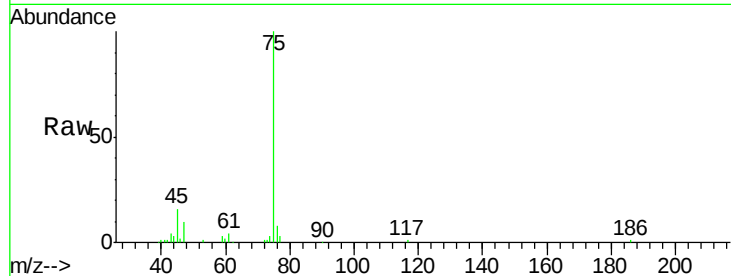
GF-G-9

Tgt Ion: 43 Resp: 1729

Ion Ratio Lower Upper

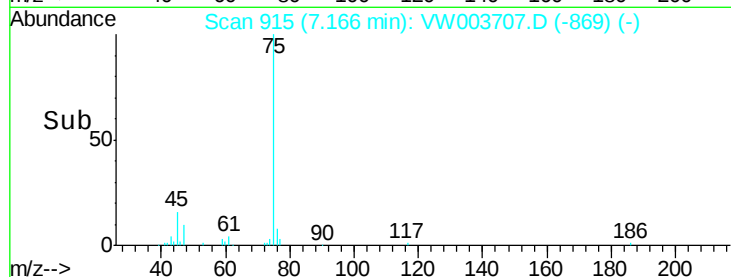
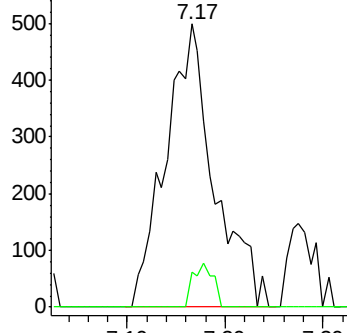
43 100

72 12.2 20.2 30.4#

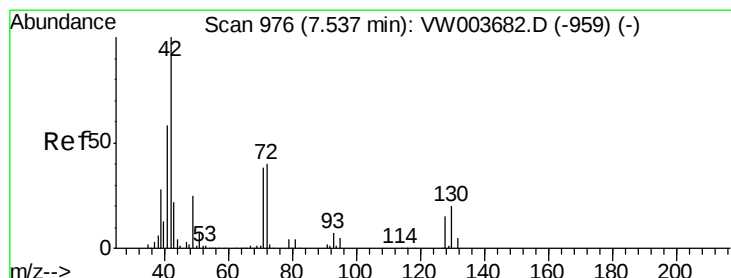


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#29

Tetrahydrofuran

Concen: 1.575 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

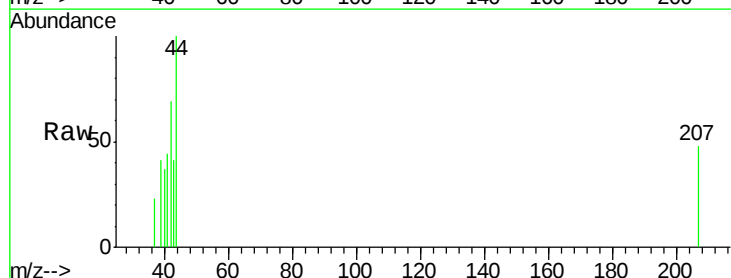
Tgt Ion: 42 Resp: 581

Ion Ratio Lower Upper

42 100

72 0.0 32.0 48.0#

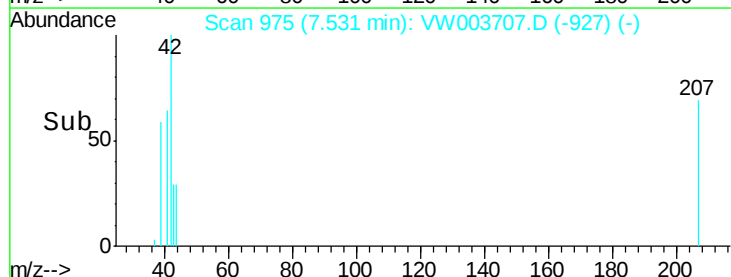
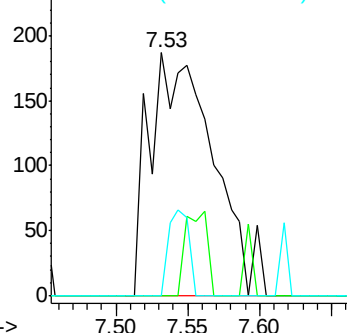
71 11.5 30.2 45.2#



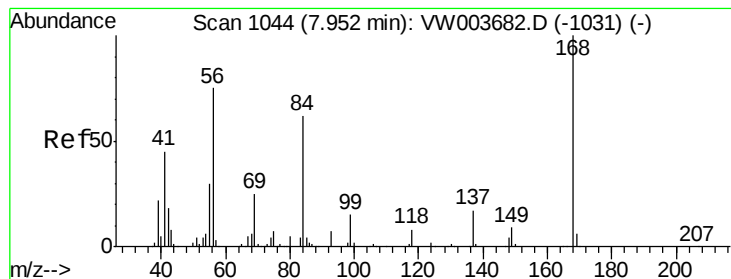
Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



Time-->



#31

Cyclohexane

Concen: 1.501 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

Instrument :

MSVOA_W

ClientSampled :

GF-G-9

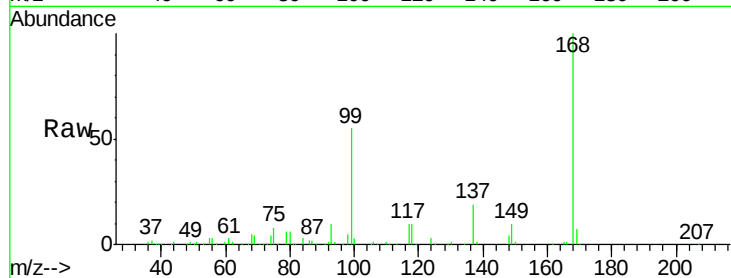
Tgt Ion: 56 Resp: 4618

Ion Ratio Lower Upper

56 100

69 139.7 27.0 40.4#

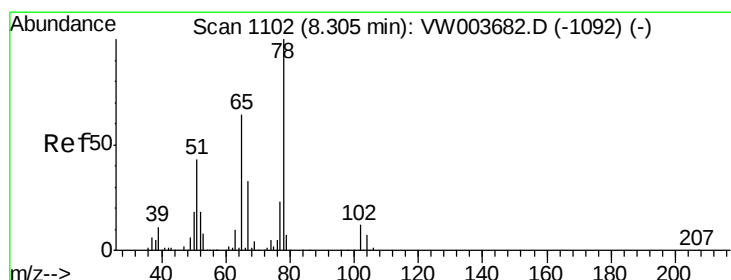
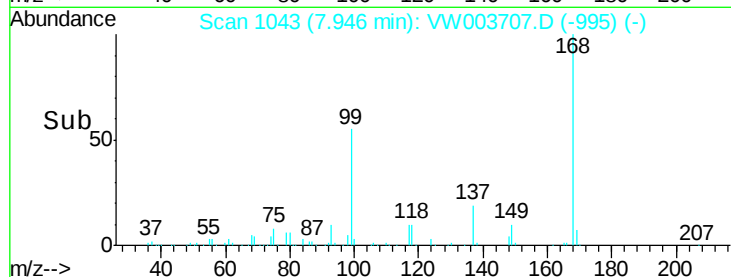
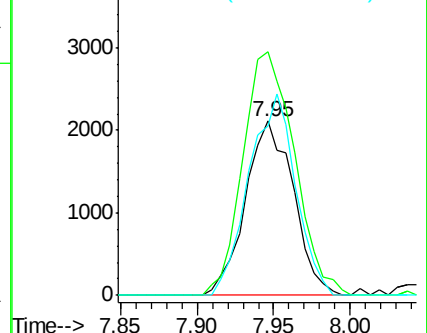
84 97.3 65.4 98.0



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: 46.962 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003707.D

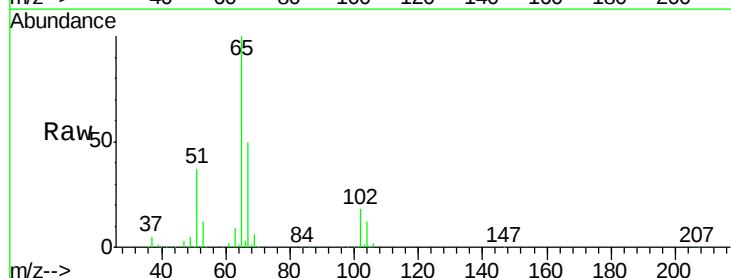
Acq: 03 Jul 2018 18:52

Tgt Ion: 65 Resp: 94530

Ion Ratio Lower Upper

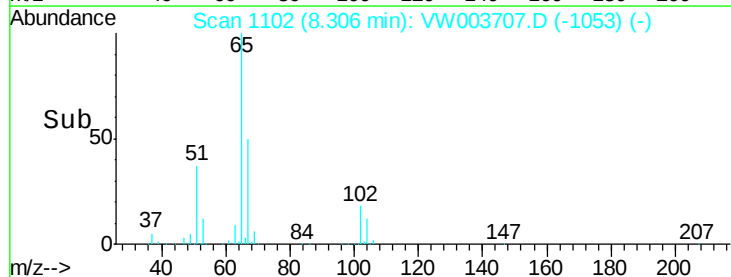
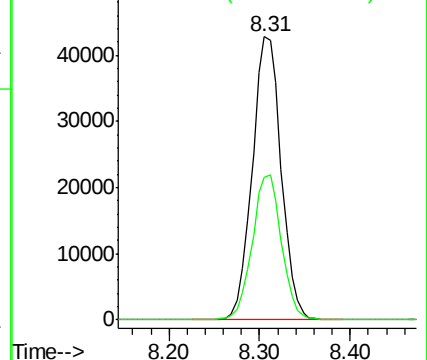
65 100

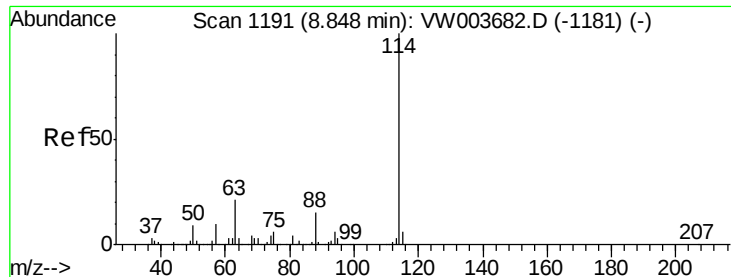
67 51.6 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

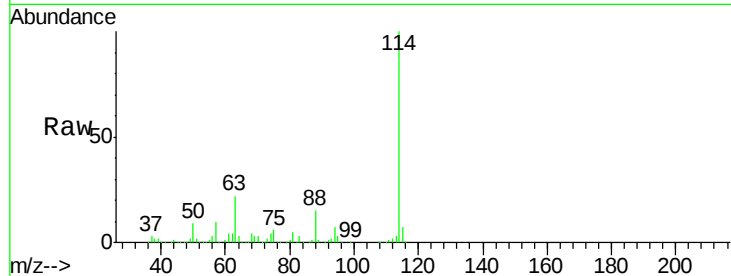




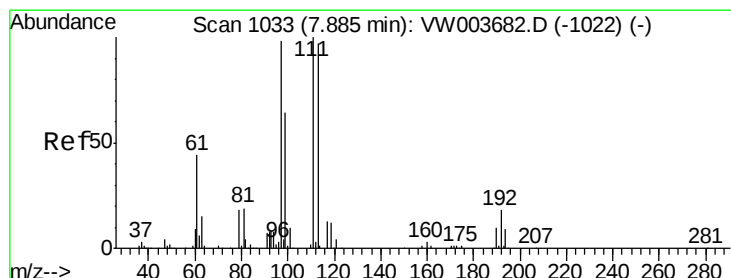
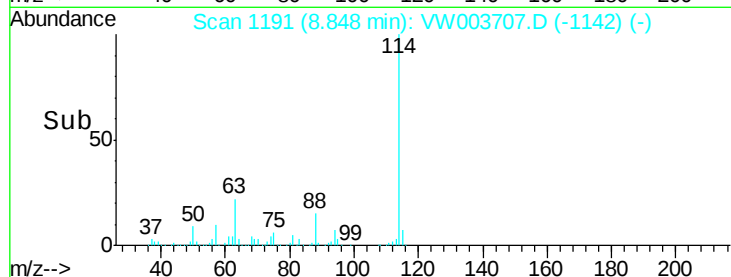
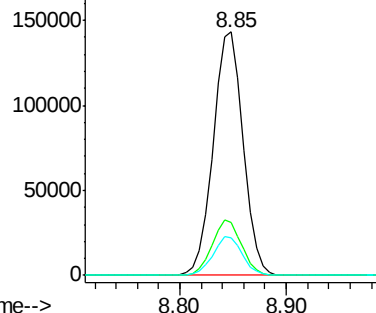
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	41.6
88	15.2	0.0	29.8

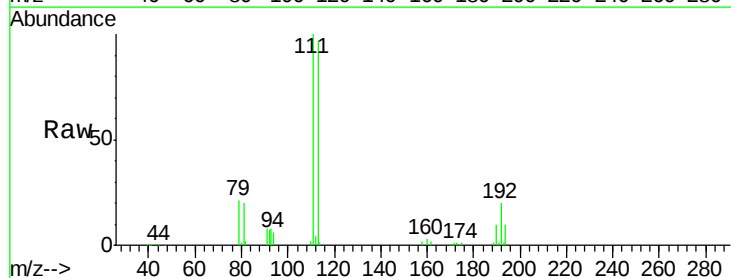


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

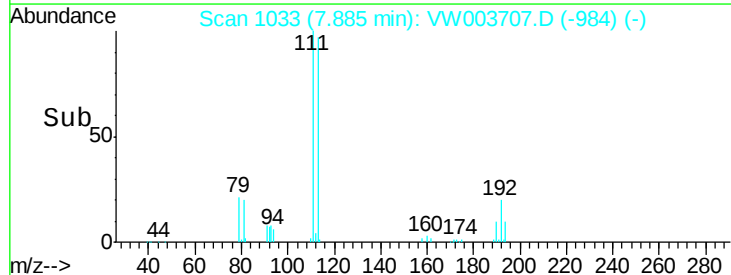
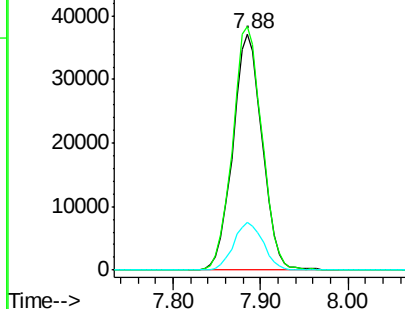


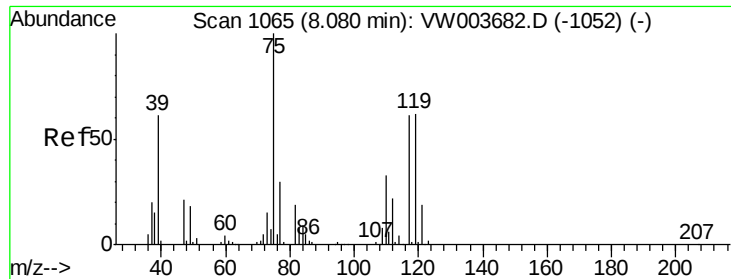
#35
 Dibromofluoromethane
 Concen: 46.776 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	20.3	15.8	23.6



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

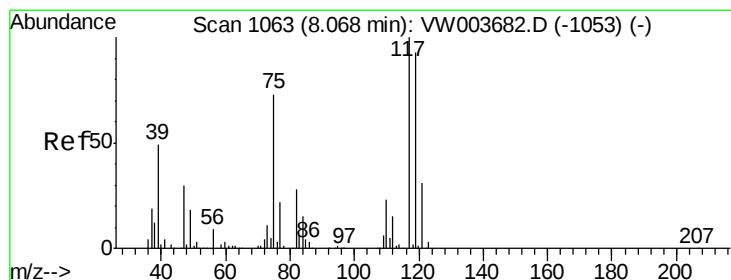
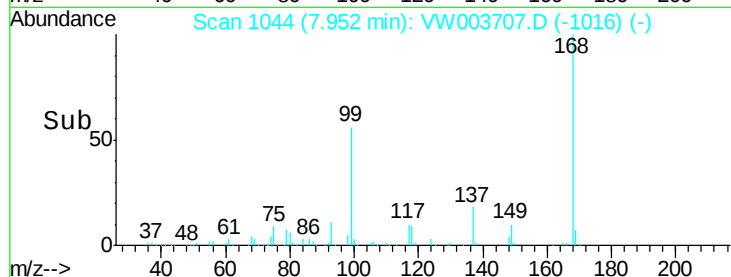
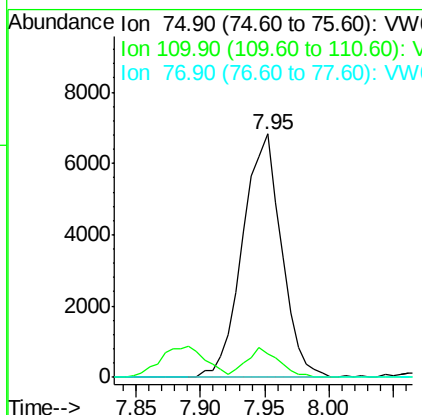
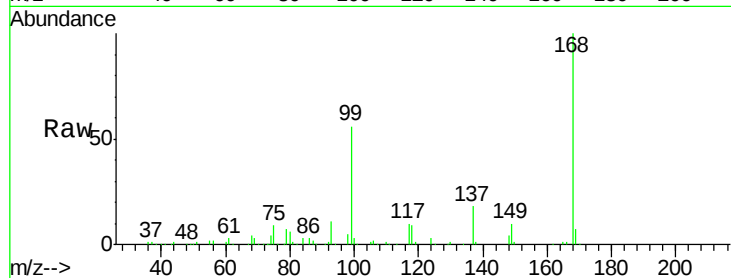




#36
 1,1-Dichloropropene
 Concen: 5.005 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

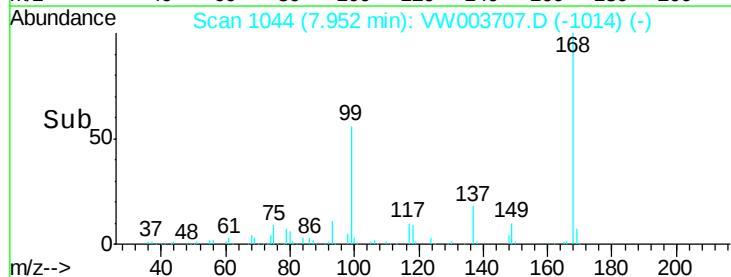
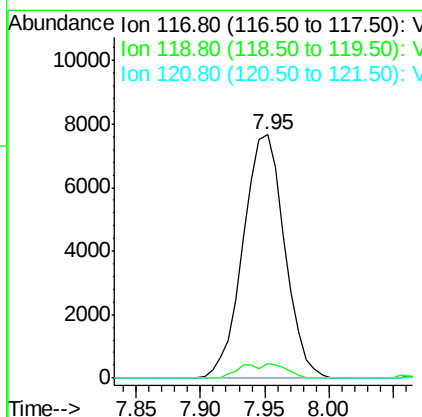
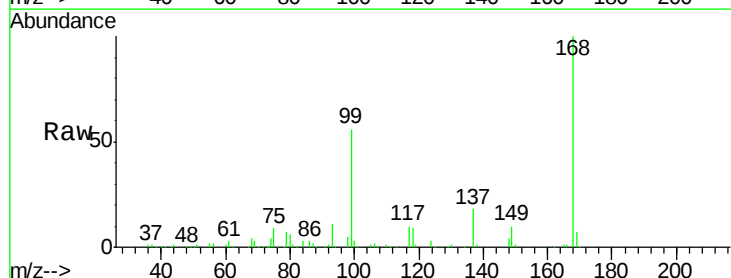
Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9

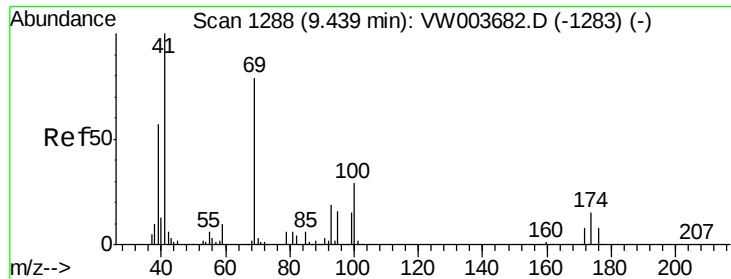
Tgt Ion: 75 Resp: 14249
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.9 50.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.304 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

Tgt Ion: 117 Resp: 17072
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.1 111.1#
 121 0.0 25.0 37.4#

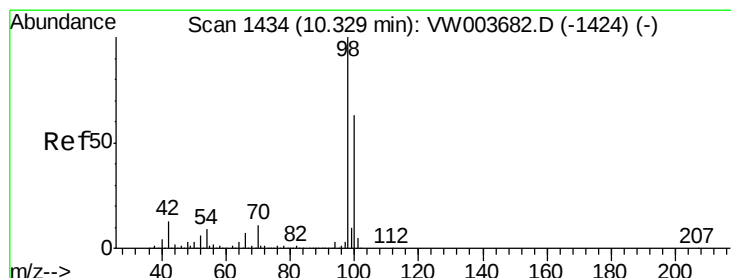
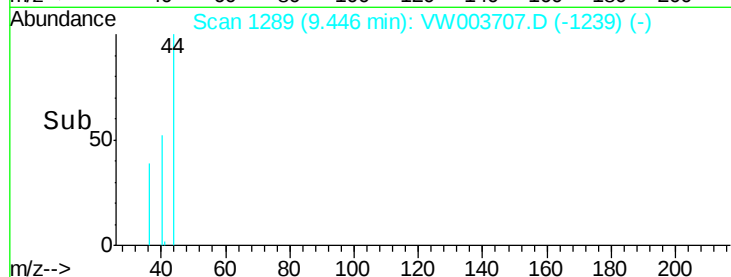
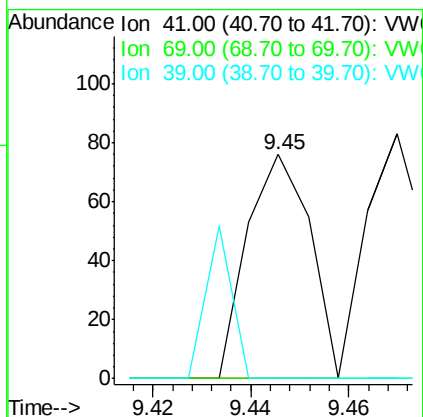
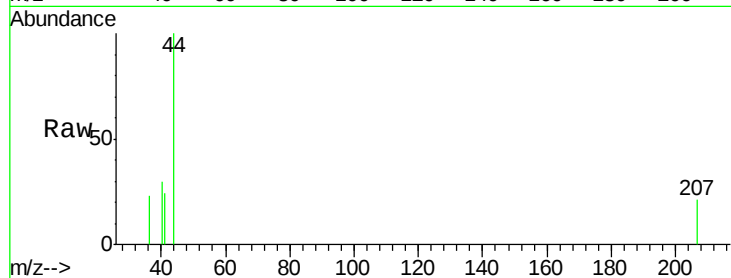




#48
Methyl methacrylate
Concen: 3.409 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

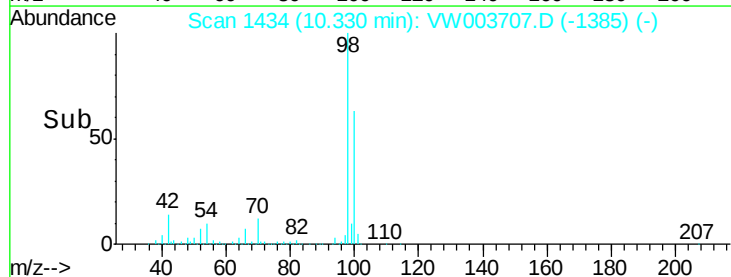
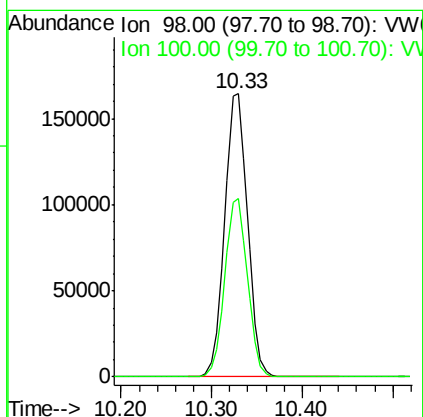
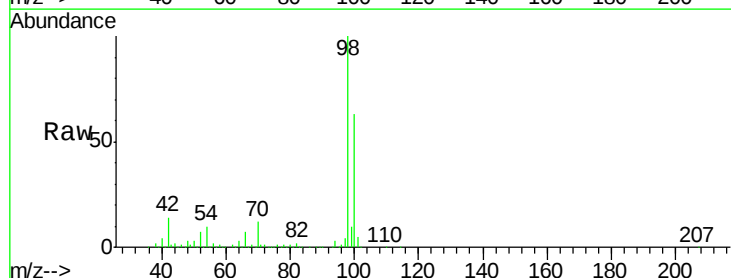
Instrument :
MSVOA_W
ClientSampled :
GF-G-9

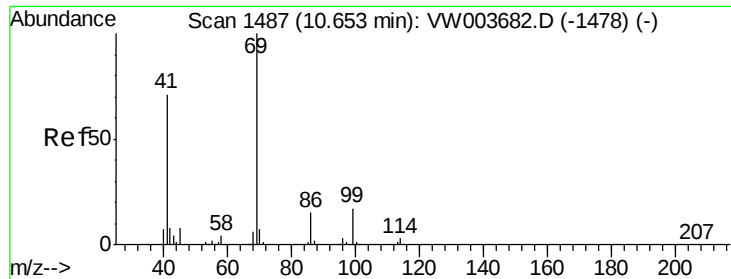
Tgt Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 28.4 50.0 75.0#



#50
Toluene-d8
Concen: 39.671 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

Tgt Ion: 98 Resp: 288039
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2





#56

Ethyl methacrylate

Concen: 3.594 ug/l

RT: 10.89 min Scan# 1526

Delta R.T. 0.24 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9

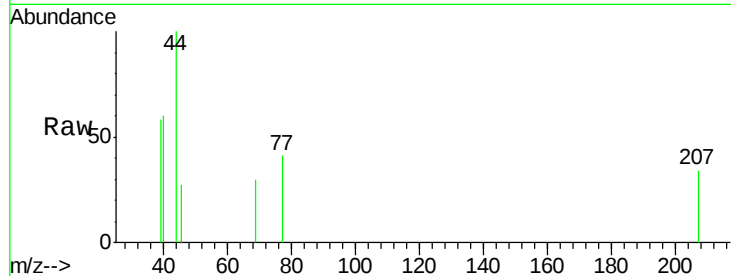
Tgt Ion: 69 Resp: 22

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

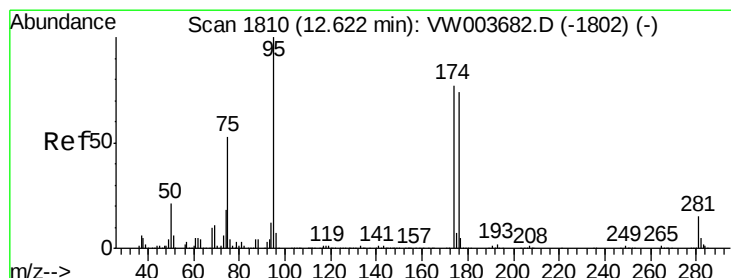
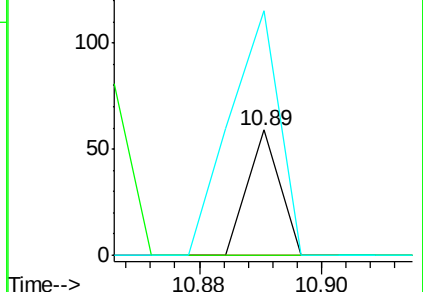
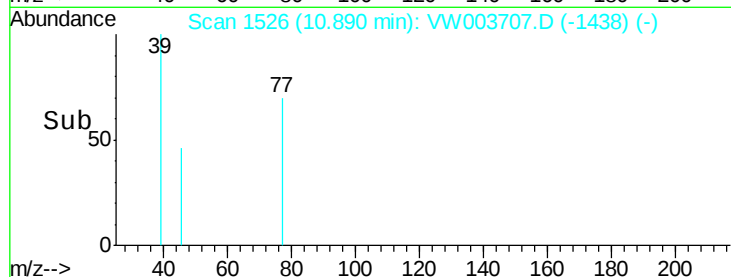
39 290.9 29.4 44.0#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#62

4-Bromofluorobenzene

Concen: 38.235 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003707.D

Acq: 03 Jul 2018 18:52

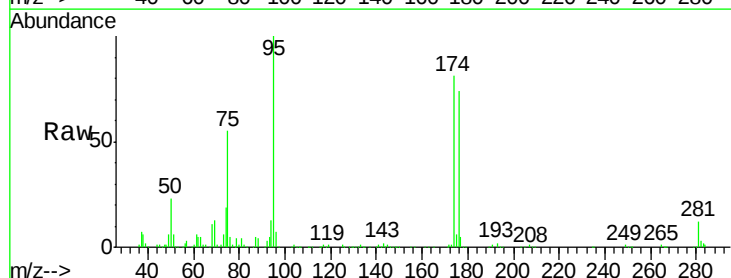
Tgt Ion: 95 Resp: 99734

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.2

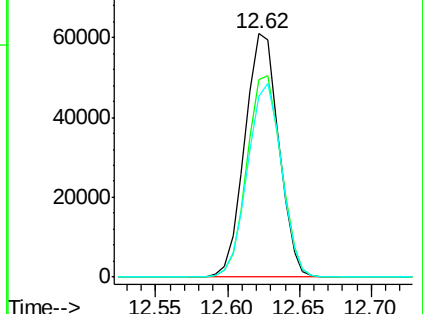
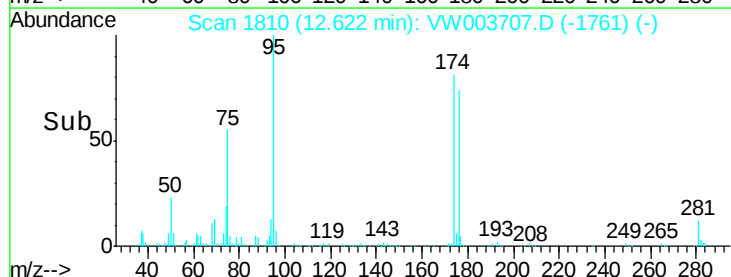
176 79.2 0.0 155.0

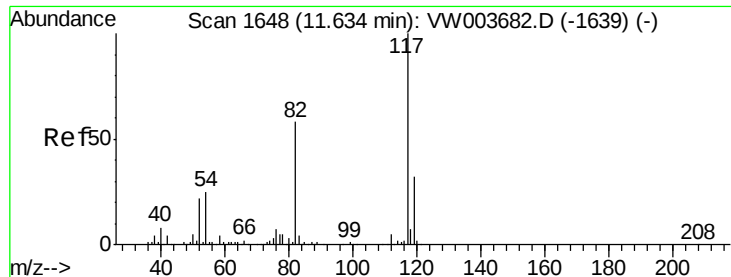


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

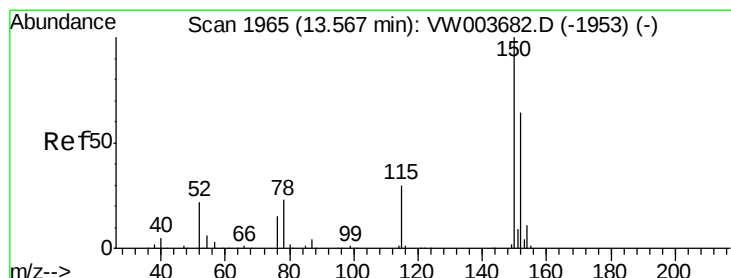
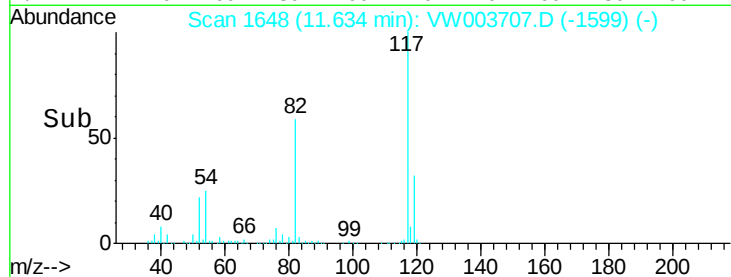
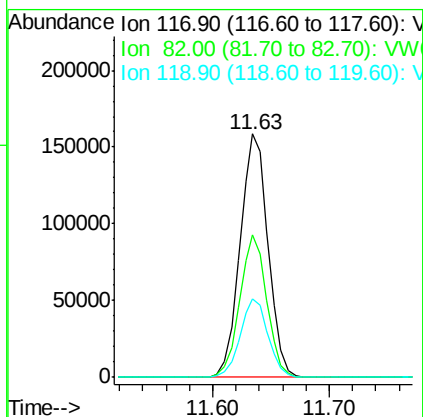
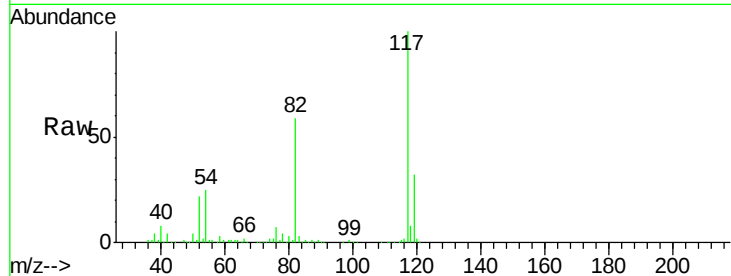




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

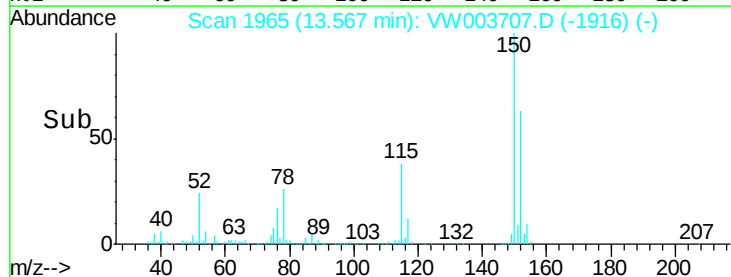
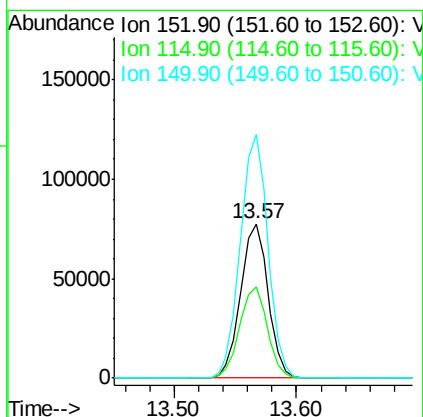
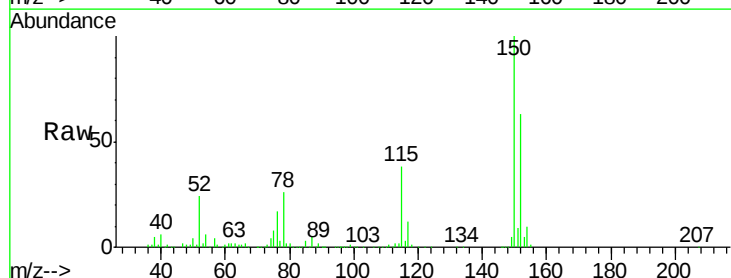
Instrument :
MSVOA_W
ClientSampled :
GF-G-9

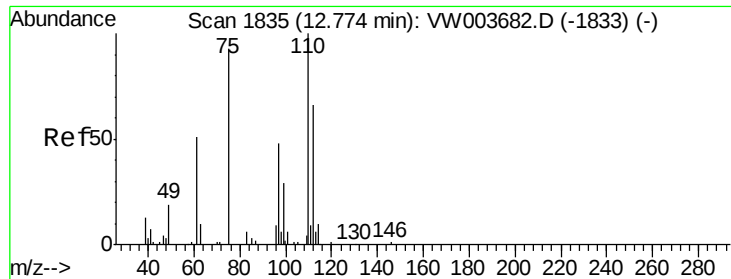
Tgt Ion:117 Resp: 264379
Ion Ratio Lower Upper
117 100
82 58.7 46.0 69.0
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003707.D
Acq: 03 Jul 2018 18:52

Tgt Ion:152 Resp: 120881
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 158.4 0.0 352.0

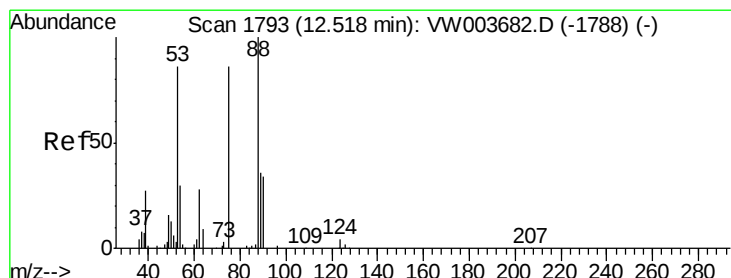
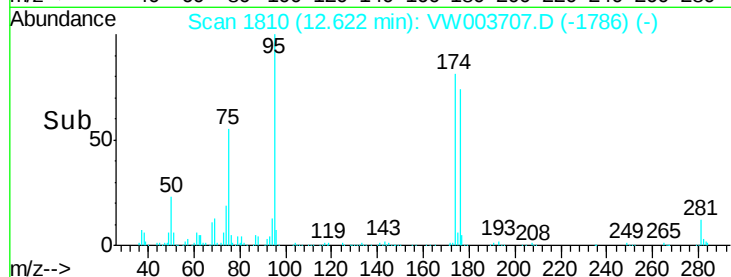
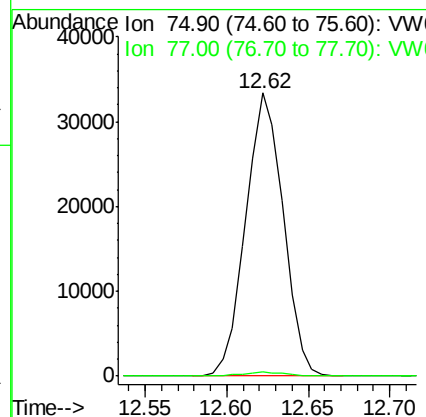
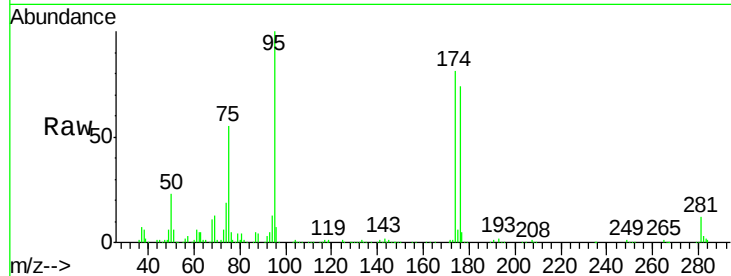




#76
 1,2,3-Trichloropropane
 Concen: 49.270 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9

Tgt Ion: 75 Resp: 53551
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.399 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW003707.D
 Acq: 03 Jul 2018 18:52

Tgt Ion: 75 Resp: 53551
 Ion Ratio Lower Upper
 75 100
 53 0.3 82.4 123.6#
 89 0.2 35.9 53.9#

