

Data File : VW010729.D
Acq On : 07 Jun 2019 15:19
Operator : SY/VA
Sample : K3248-02RE
Misc : 4.45G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-042-A

Quant Time: Jun 08 02:40:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	205326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143138	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	
35) Dibromofluoromethane	7.88	113	105441	55.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.28%	
50) Toluene-d8	10.32	98	458792	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	12.62	95	154358	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

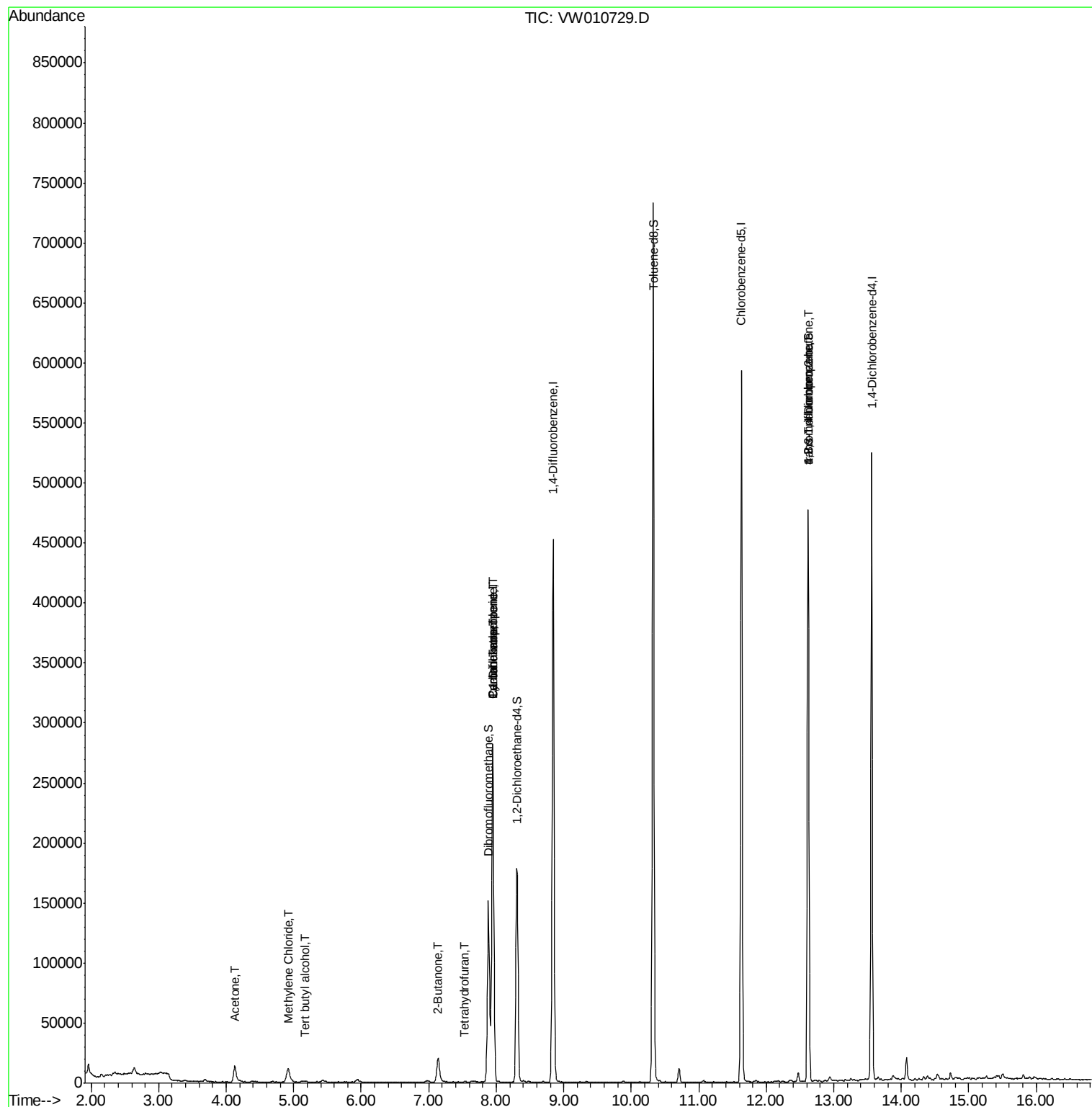
						Qvalue
11) Tert butyl alcohol	5.17	59	1167	5.919	ug/l #	79
16) Acetone	4.12	43	25319	39.044	ug/l	95
20) Methylene Chloride	4.92	84	7835	3.444	ug/l	92
25) 2-Butanone	7.13	43	1744	1.940	ug/l #	53
29) Tetrahydrofuran	7.54	42	625	1.105	ug/l #	43
31) Cyclohexane	7.95	56	5423	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18502	5.130	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20367	6.542	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	83855	64.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83855	148.393	ug/l #	5

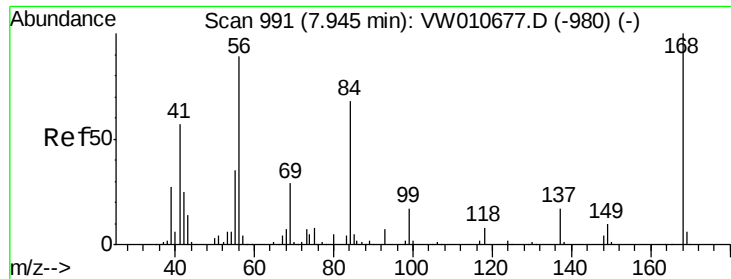
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

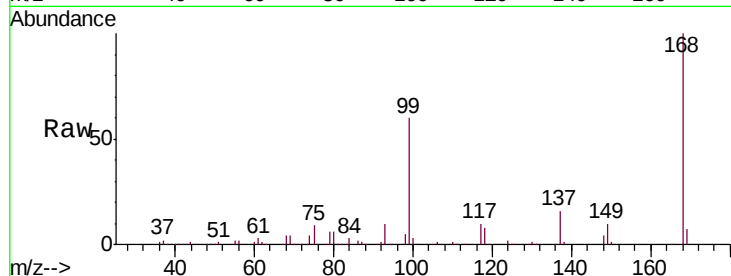
FK-GF-02-042-A

Tgt Ion:168 Resp: 205326

Ion Ratio Lower Upper

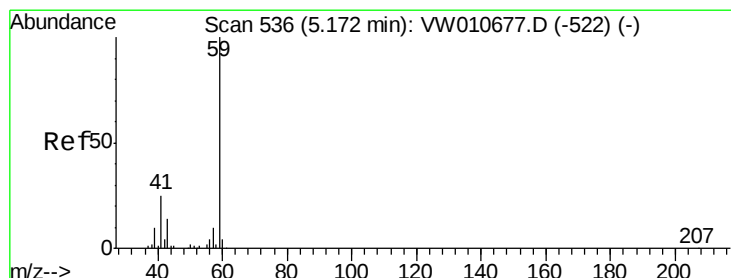
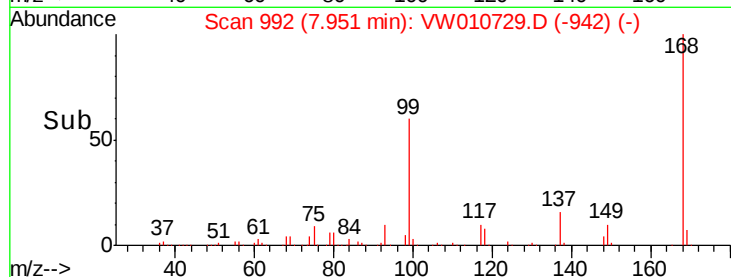
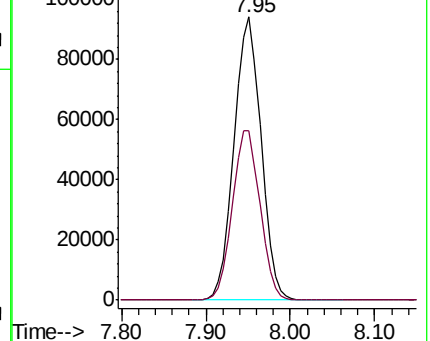
168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.919 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW010729.D

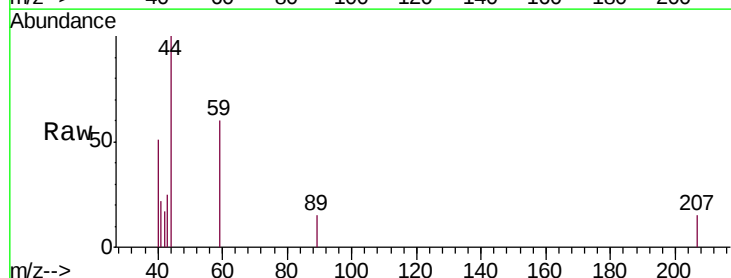
Acq: 07 Jun 2019 15:19

Tgt Ion: 59 Resp: 1167

Ion Ratio Lower Upper

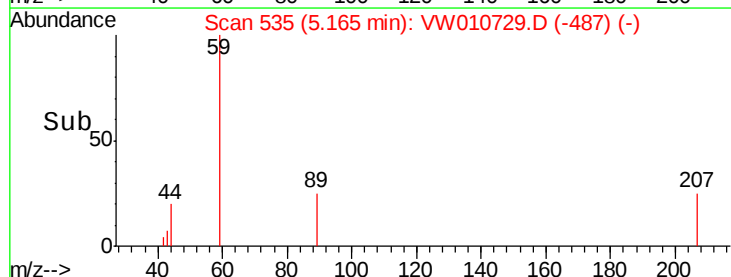
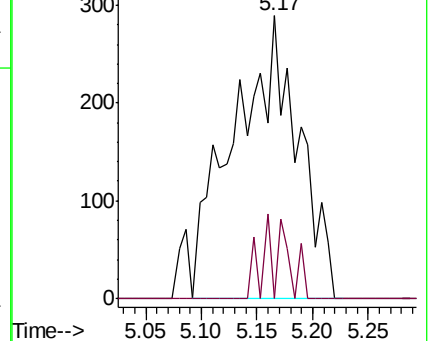
59 100

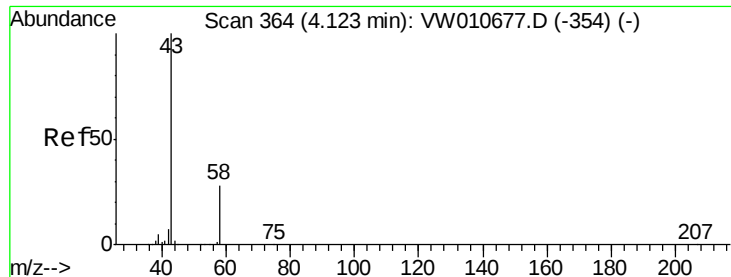
57 2.7 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 39.044 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

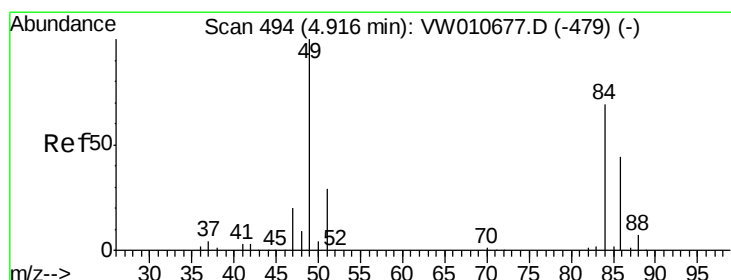
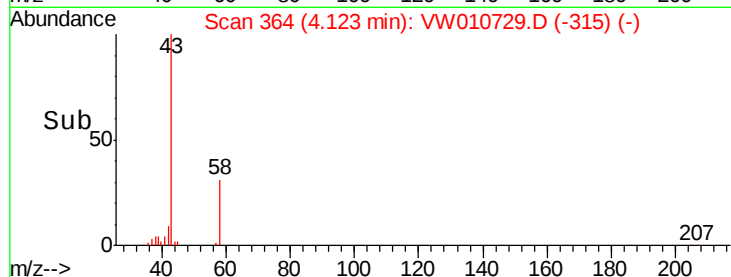
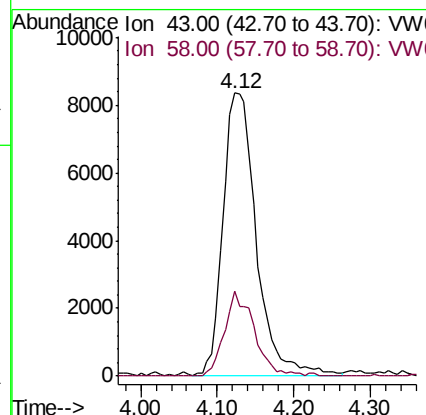
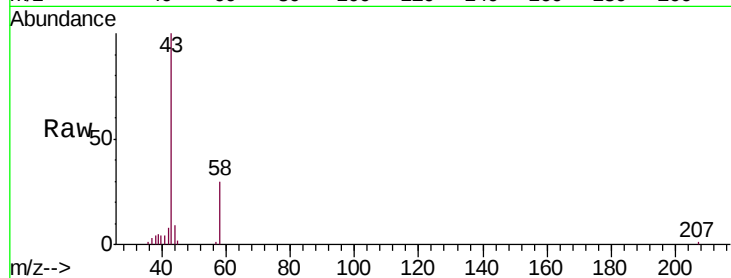
FK-GF-02-042-A

Tgt Ion: 43 Resp: 25319

Ion Ratio Lower Upper

43 100

58 30.2 22.1 33.1



#20

Methylene Chloride

Concen: 3.444 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Tgt Ion: 84 Resp: 7835

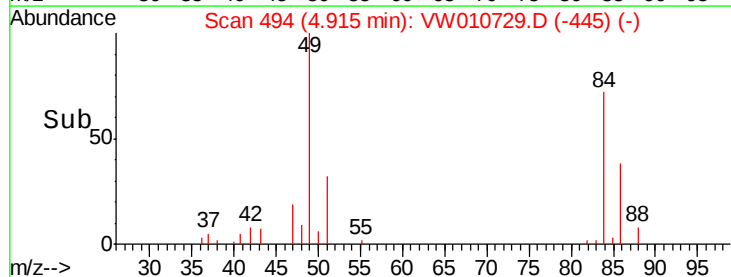
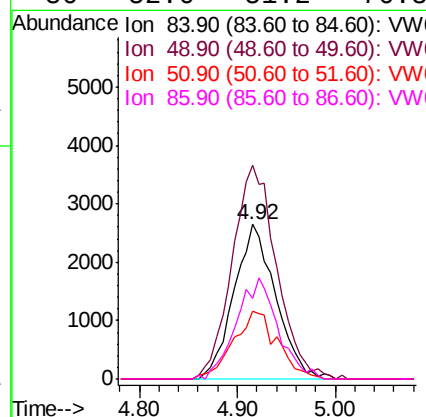
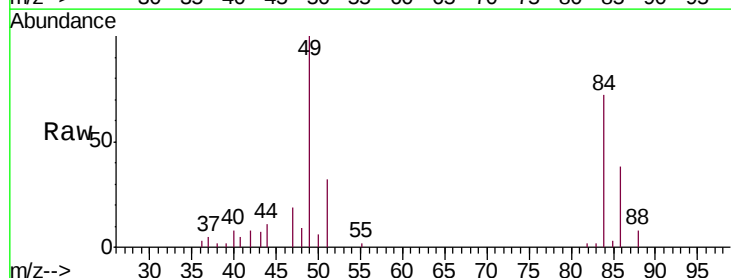
Ion Ratio Lower Upper

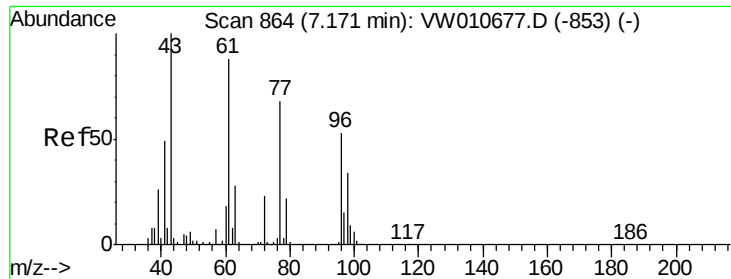
84 100

49 138.3 116.7 175.1

51 44.1 34.2 51.2

86 52.6 51.2 76.8





#25

2-Butanone

Concen: 1.940 ug/l

RT: 7.13 min Scan# 857

Delta R.T. -0.04 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

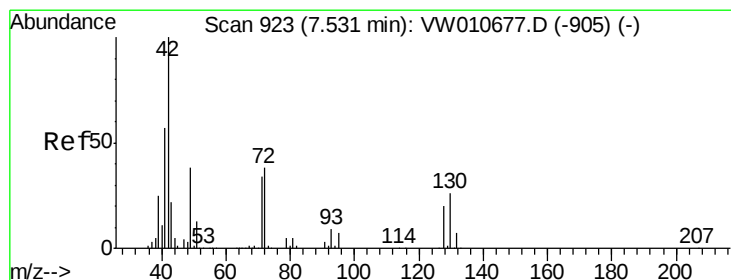
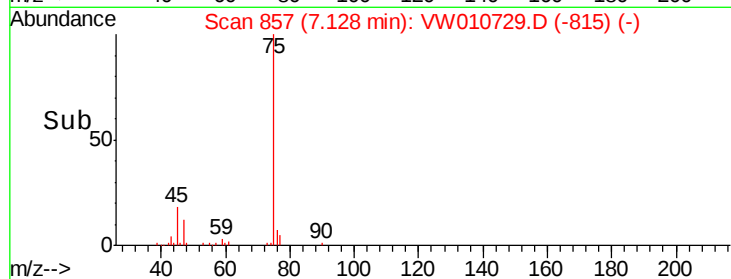
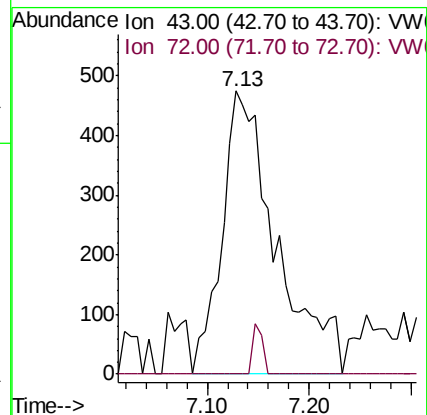
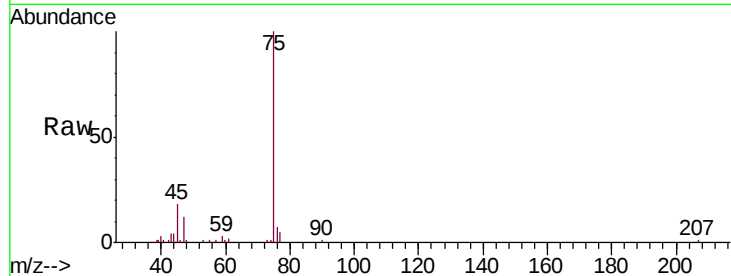
FK-GF-02-042-A

Tgt Ion: 43 Resp: 1744

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#



#29

Tetrahydrofuran

Concen: 1.105 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

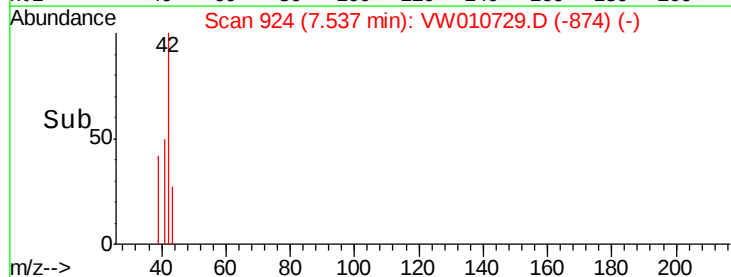
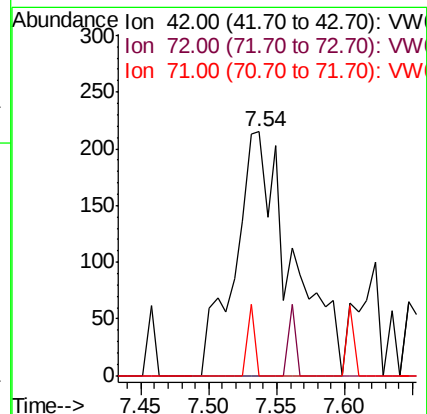
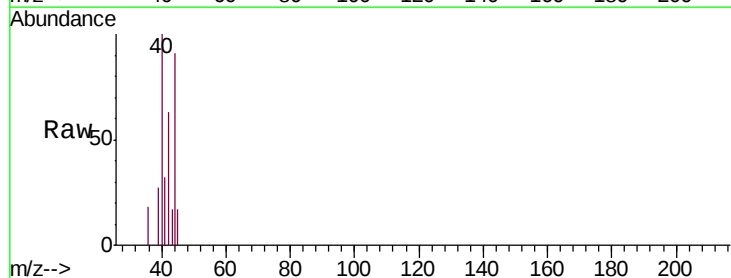
Tgt Ion: 42 Resp: 625

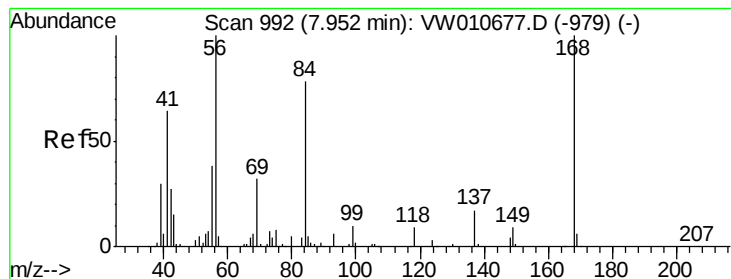
Ion Ratio Lower Upper

42 100

72 0.0 28.7 43.1#

71 3.7 26.6 39.8#





#31

Cyclohexane

Concen: 1.111 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-042-A

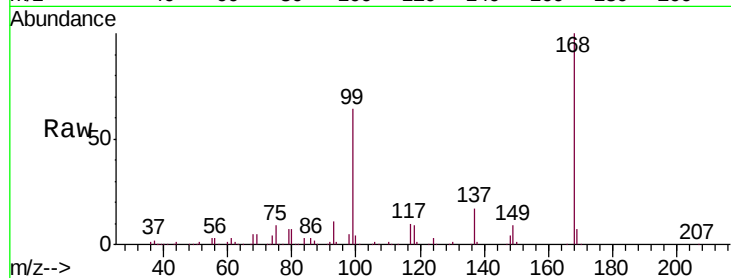
Tgt Ion: 56 Resp: 5423

Ion Ratio Lower Upper

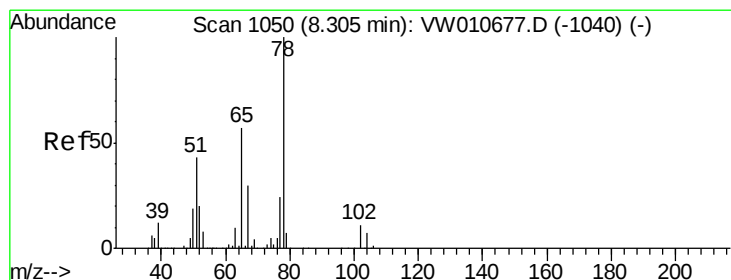
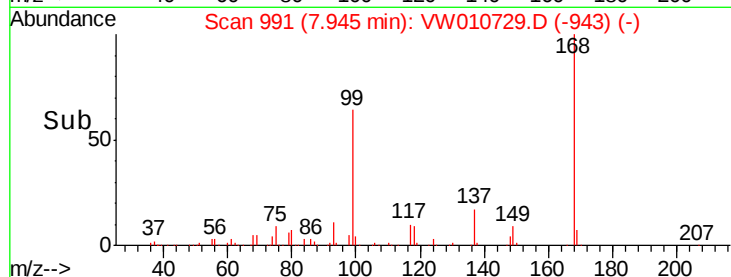
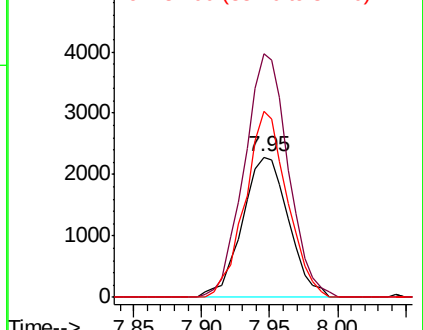
56 100

69 173.5 25.2 37.8#

84 132.5 62.2 93.2#



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: 59.145 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010729.D

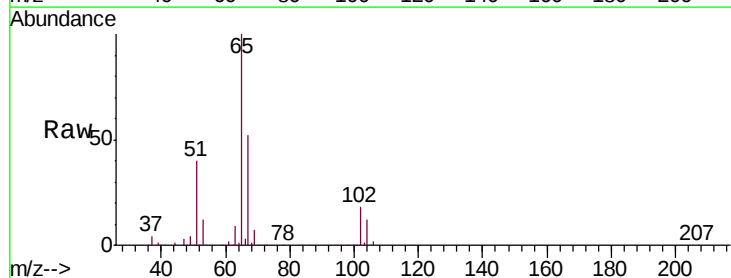
Acq: 07 Jun 2019 15:19

Tgt Ion: 65 Resp: 143138

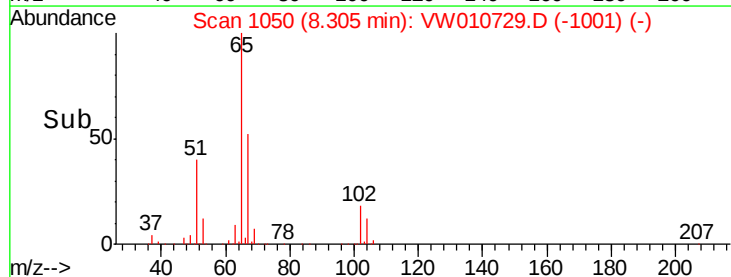
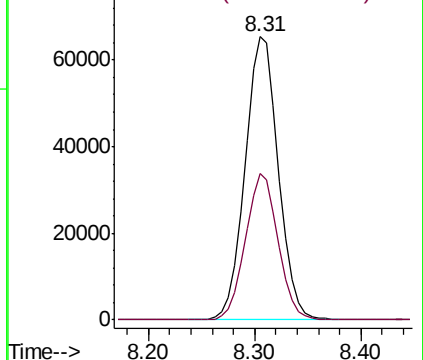
Ion Ratio Lower Upper

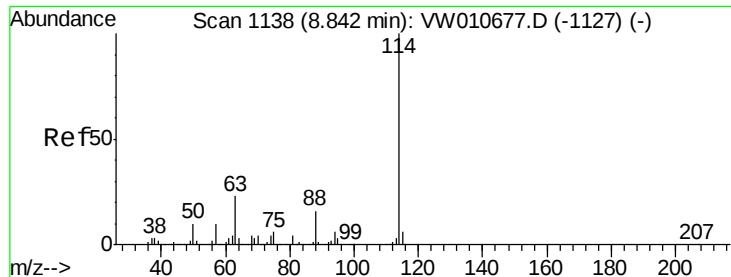
65 100

67 50.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

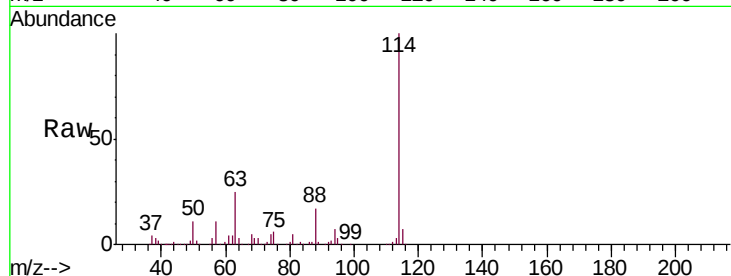




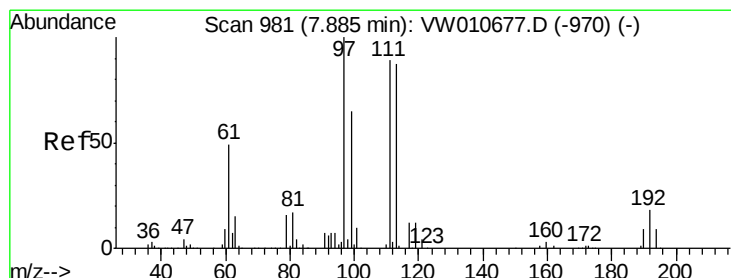
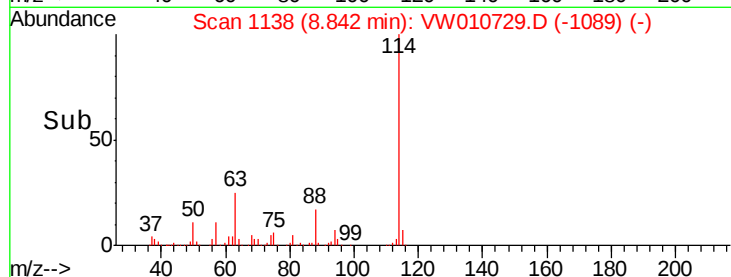
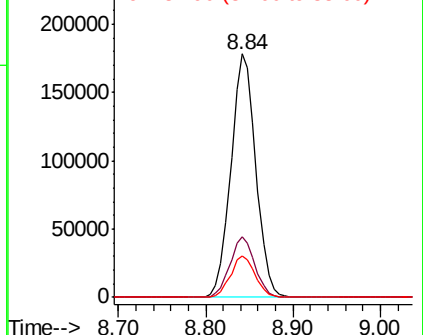
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010729.D
 Acq: 07 Jun 2019 15:19

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-042-A

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	46.4
88	17.1	0.0	32.2

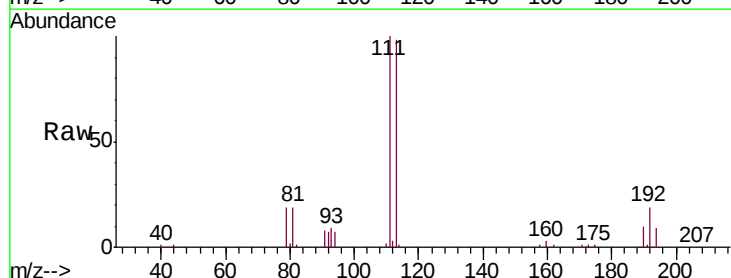


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

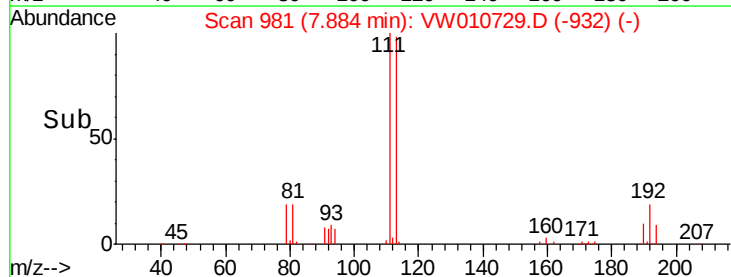
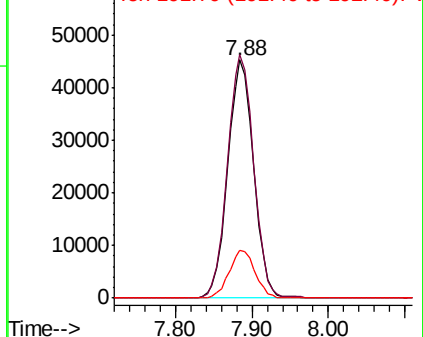


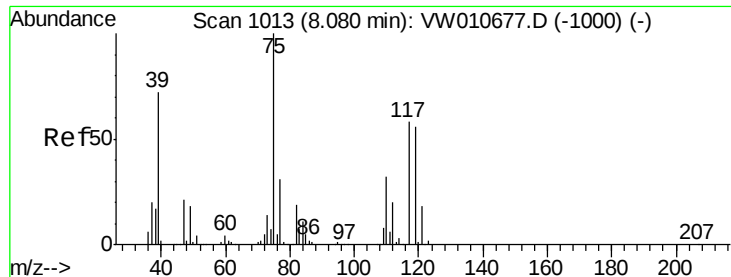
#35
 Dibromofluoromethane
 Concen: 55.135 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010729.D
 Acq: 07 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	20.1	16.4	24.6



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

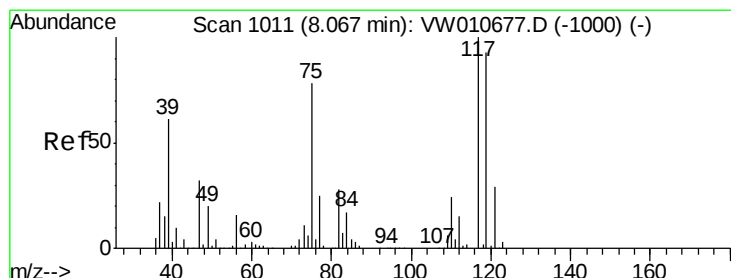
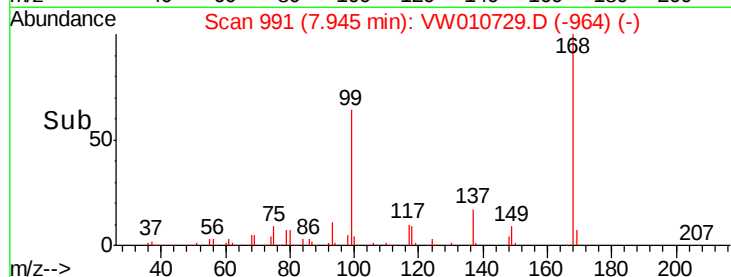
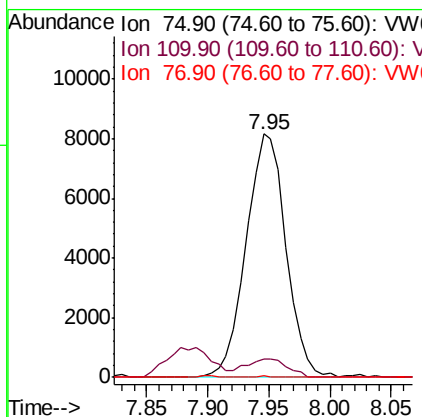
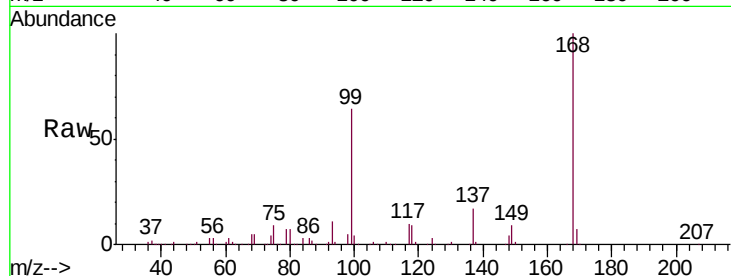




#36
 1,1-Dichloropropene
 Concen: 5.130 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010729.D
 Acq: 07 Jun 2019 15:19

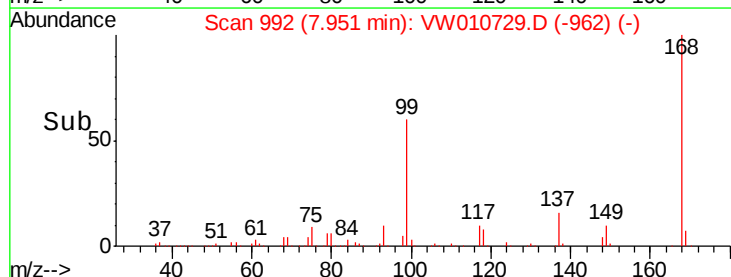
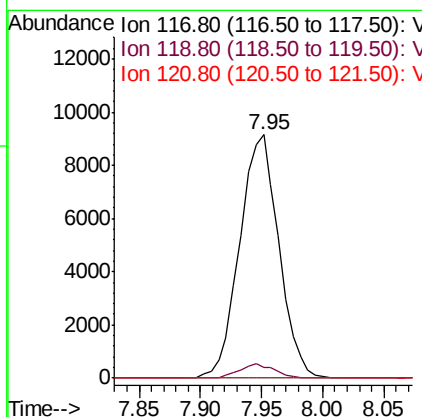
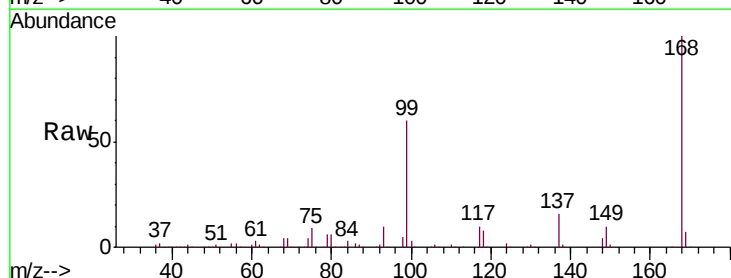
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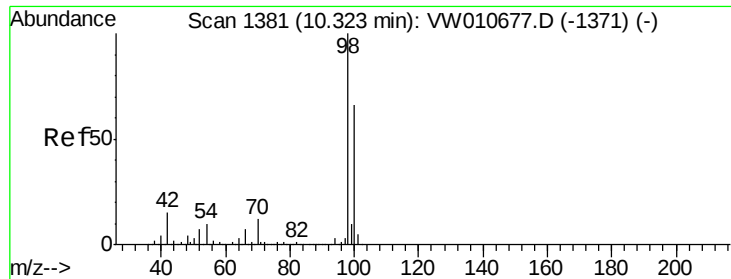
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.8	47.3#
77	0.1	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.542 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010729.D
 Acq: 07 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.2	111.4#
121	0.0	22.9	34.3#





#50

Toluene-d8

Concen: 54.708 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

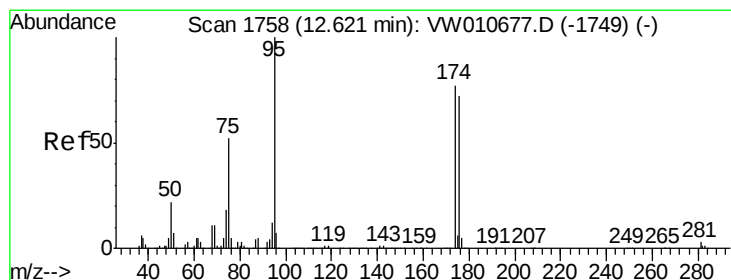
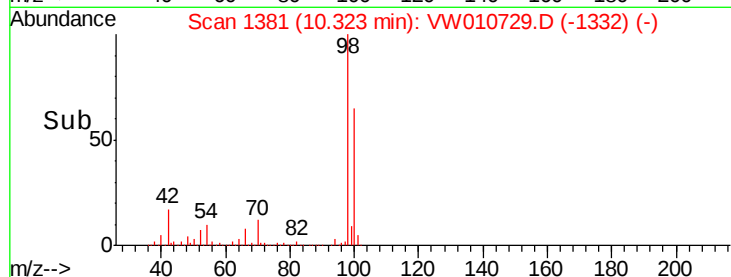
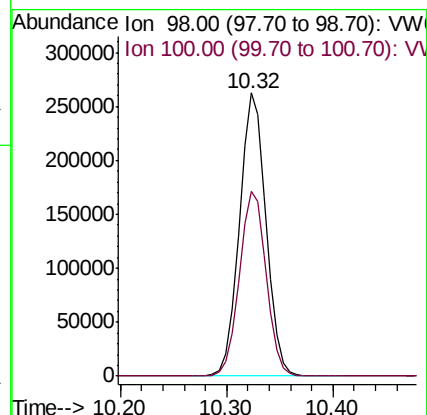
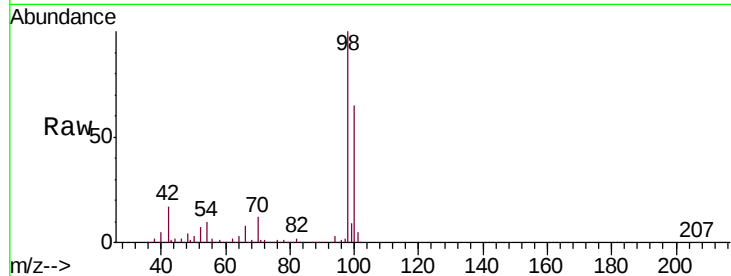
FK-GF-02-042-A

Tgt Ion: 98 Resp: 458792

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 50.583 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

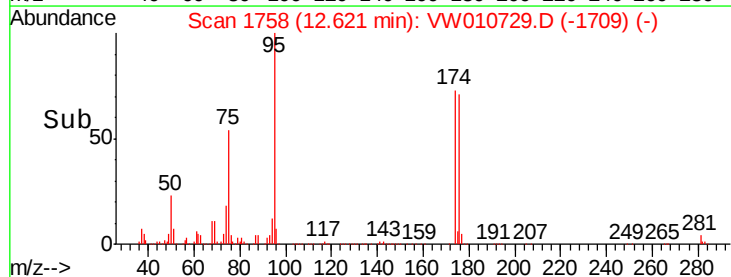
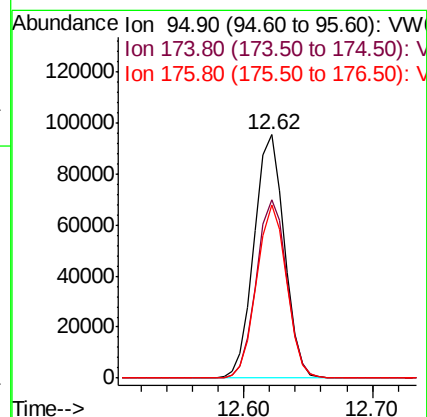
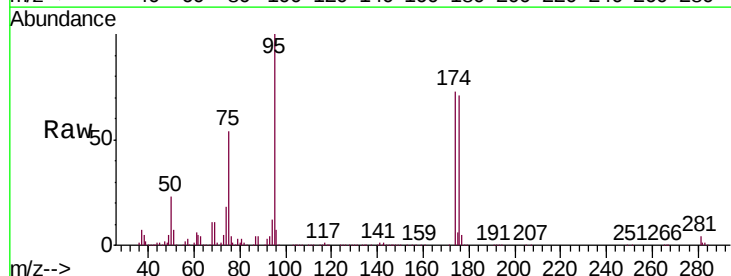
Tgt Ion: 95 Resp: 154358

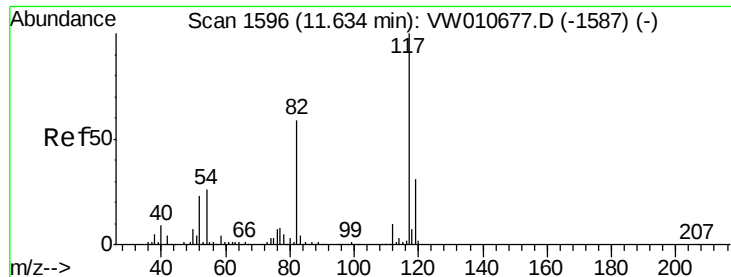
Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.4

176 70.9 0.0 144.8

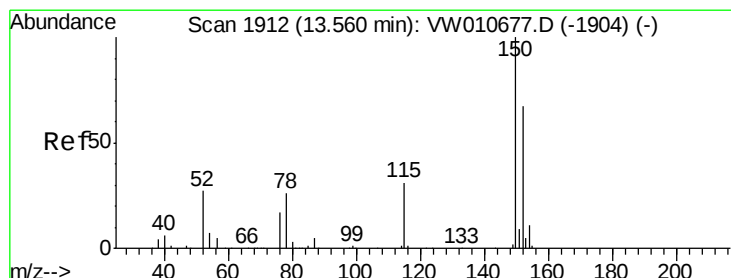
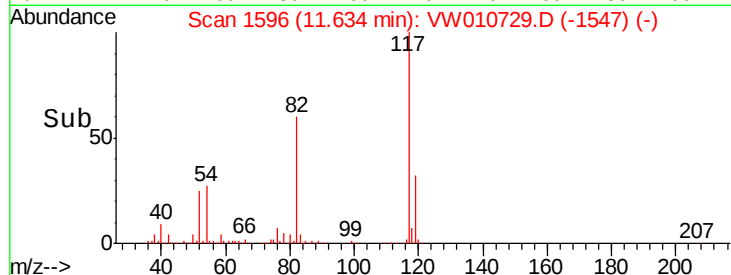
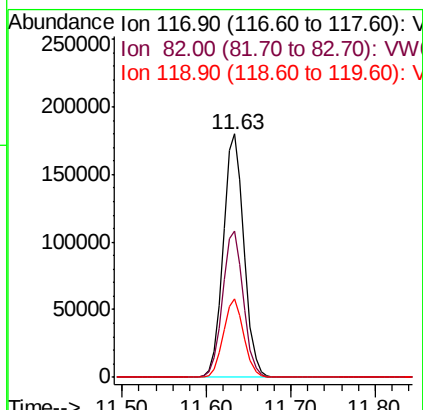
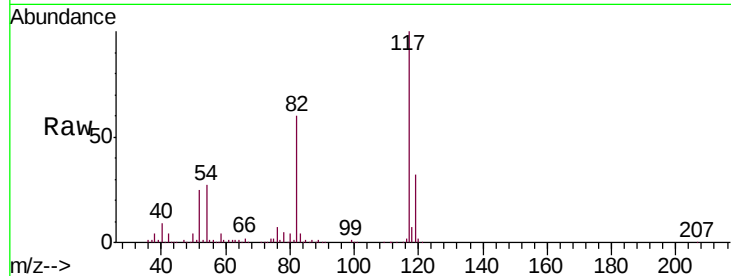




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010729.D
Acq: 07 Jun 2019 15:19

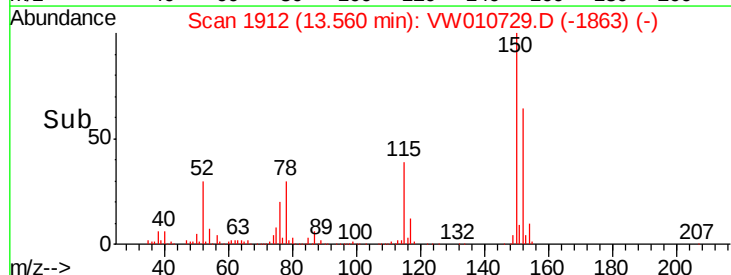
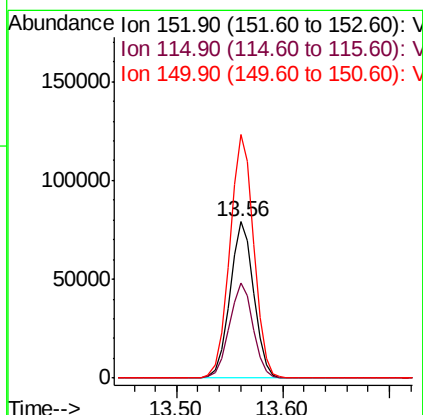
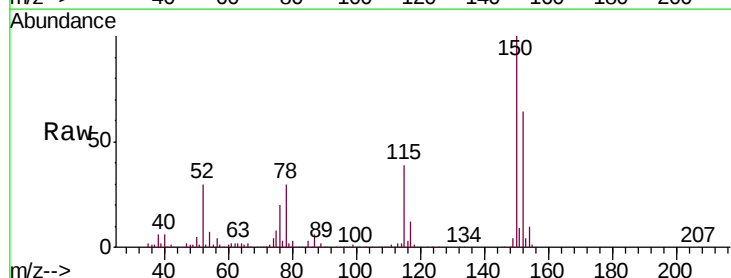
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-042-A

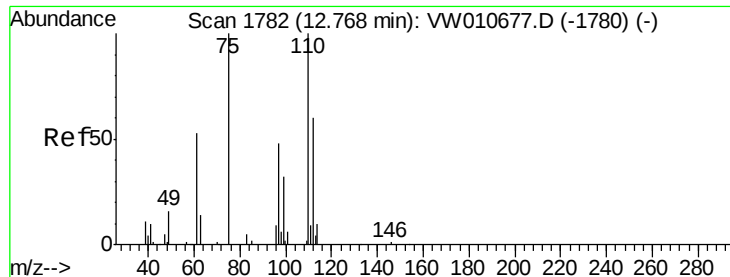
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.0	70.4
119	32.3	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010729.D
Acq: 07 Jun 2019 15:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	29.8	89.3
150	156.9	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 64.566 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Instrument :

MSVOA_W

ClientSampleId :

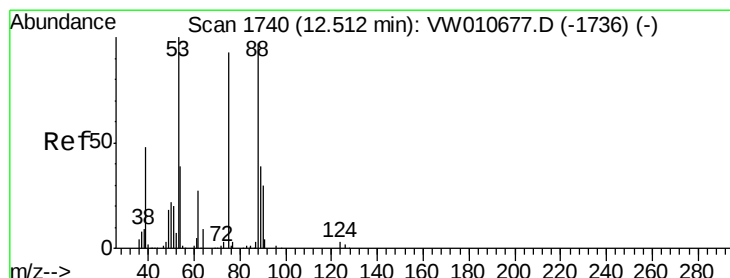
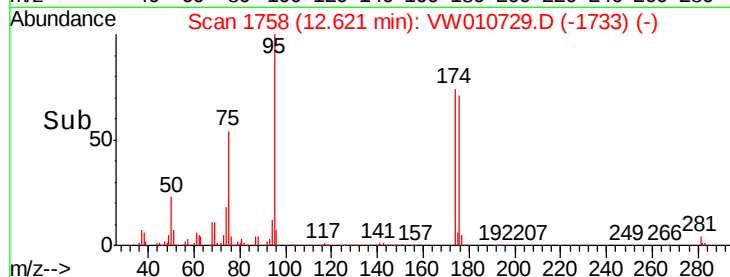
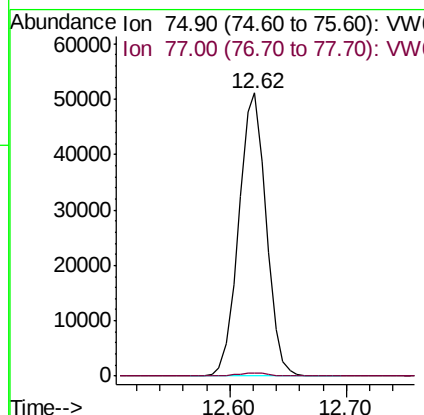
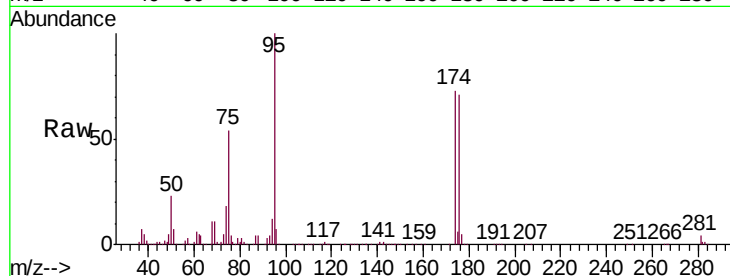
FK-GF-02-042-A

Tgt Ion: 75 Resp: 83855

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 148.393 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010729.D

Acq: 07 Jun 2019 15:19

Tgt Ion: 75 Resp: 83855

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#

