

Data File : VW008725.D
Acq On : 18 Feb 2019 13:44
Operator : SY/VA
Sample : K1510-04
Misc : 7.32G/5ML/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-030-B

Quant Time: Feb 19 03:29:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	91392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	133584	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	114159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47831	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	49715	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	7.88	113	42256	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.32	98	157982	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	50891	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	

Target Compounds

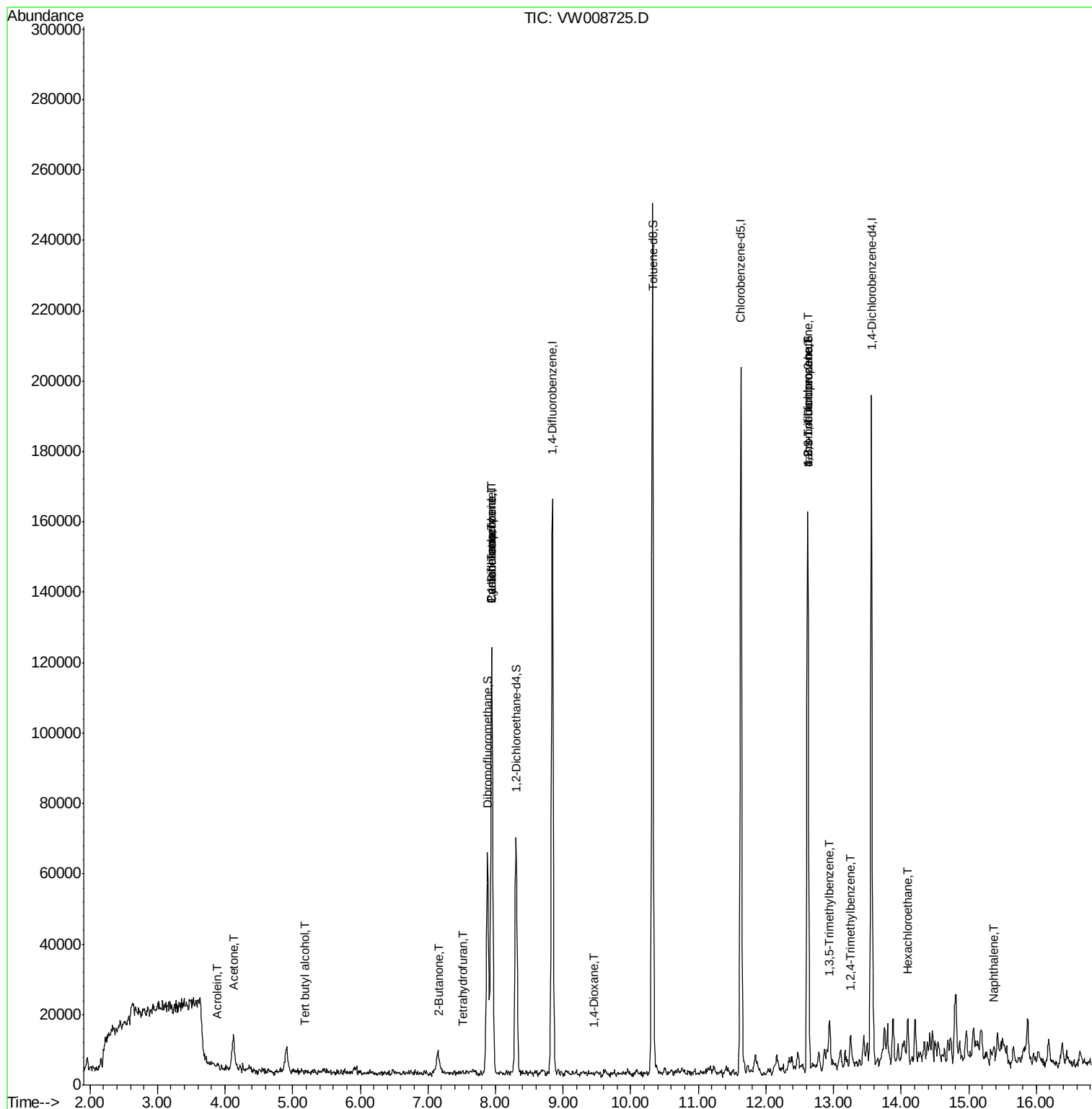
						Qvalue
11) Tert butyl alcohol	5.18	59	125	1.644	ug/l #	72
13) Acrolein	3.89	56	204	2.605	ug/l	89
16) Acetone	4.12	43	18165	84.015	ug/l	91
20) Methylene Chloride	4.91	84	4685	Below Cal	#	84
25) 2-Butanone	7.17	43	771	2.525	ug/l	91
29) Tetrahydrofuran	7.52	42	233	1.158	ug/l #	73
31) Cyclohexane	7.95	56	2668	1.535	ug/l #	22
36) 1,1-Dichloropropene	7.95	75	6956	5.183	ug/l #	55
38) Carbon Tetrachloride	7.95	117	8539	6.398	ug/l #	19
49) 1,4-Dioxane	9.45	88	94	11.785	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	26550	56.213	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	4380	1.480	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	26550	120.213	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	4884	1.606	ug/l	91
90) Hexachloroethane	14.10	117	1139	1.948	ug/l #	11
95) Naphthalene	15.38	128	2361	1.258	ug/l #	94

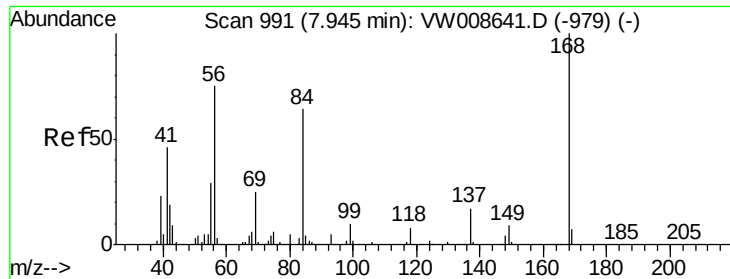
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

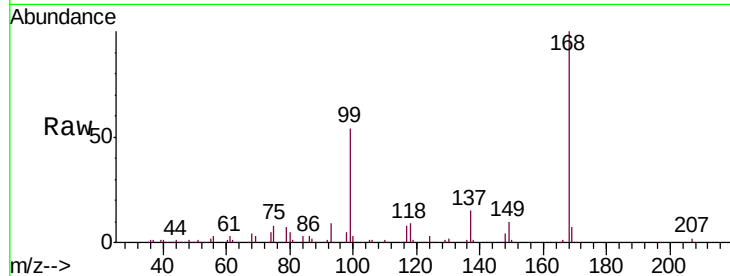
FK-GF-02-030-B

Tgt Ion:168 Resp: 91392

Ion Ratio Lower Upper

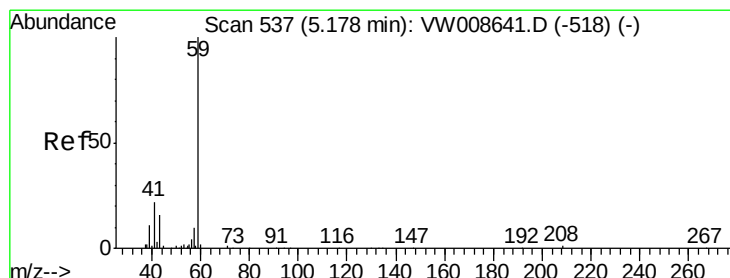
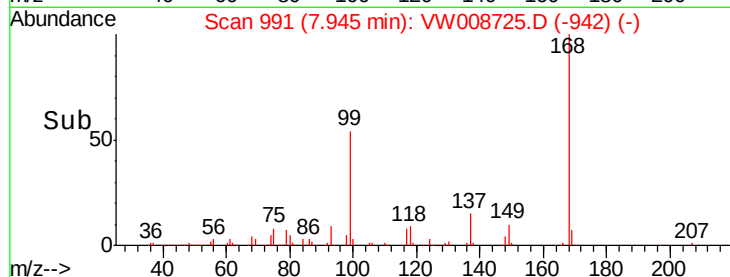
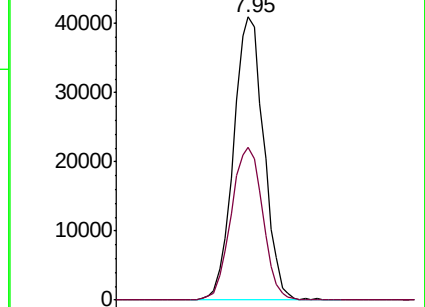
168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.644 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW008725.D

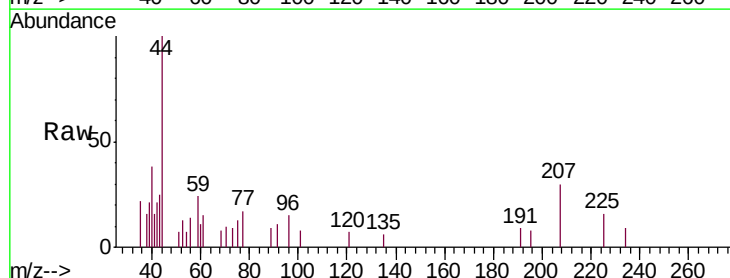
Acq: 18 Feb 2019 13:44

Tgt Ion: 59 Resp: 125

Ion Ratio Lower Upper

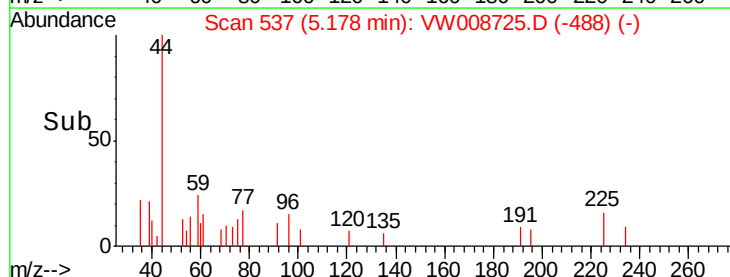
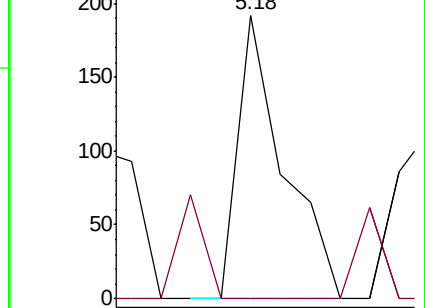
59 100

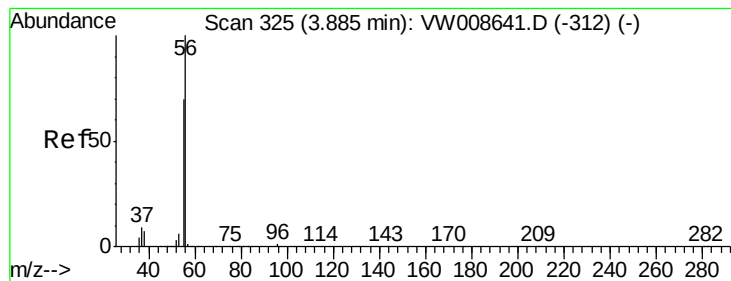
57 20.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.605 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

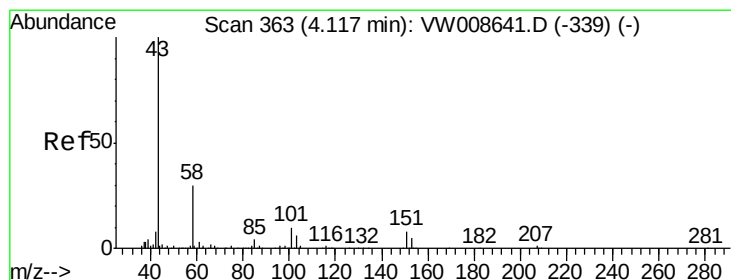
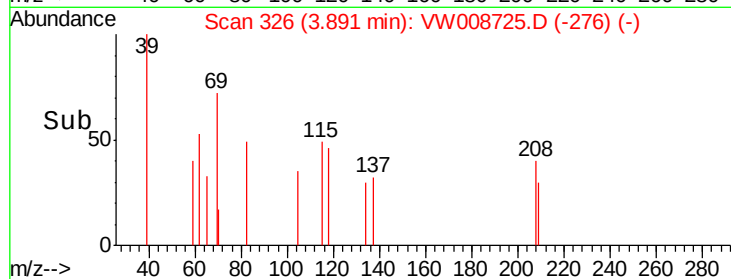
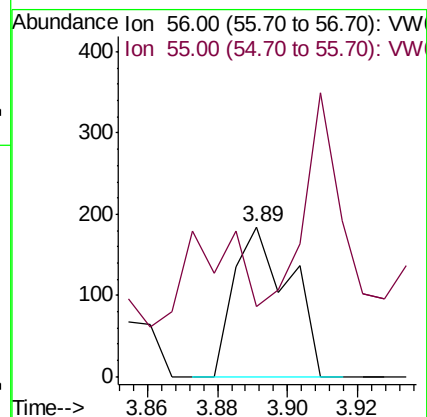
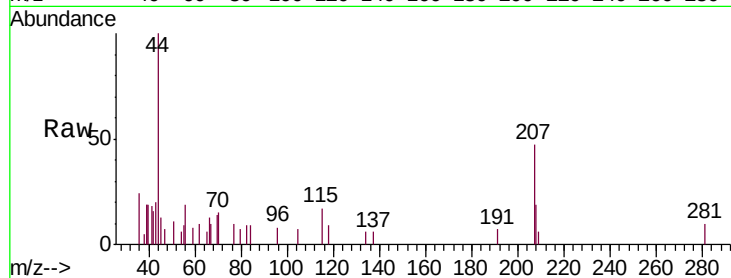
FK-GF-02-030-B

Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 62.3 57.4 86.2



#16

Acetone

Concen: 84.015 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008725.D

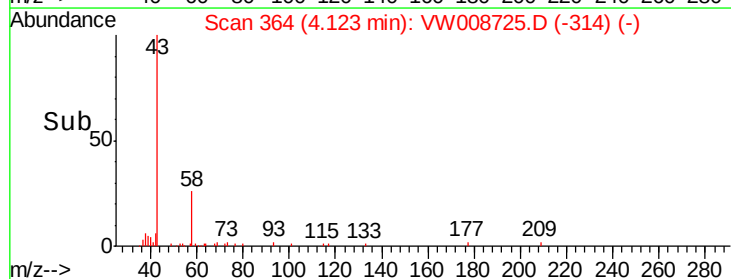
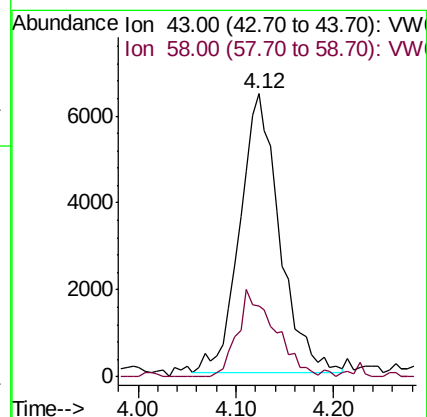
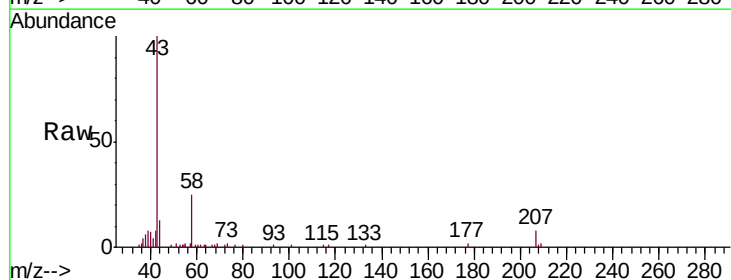
Acq: 18 Feb 2019 13:44

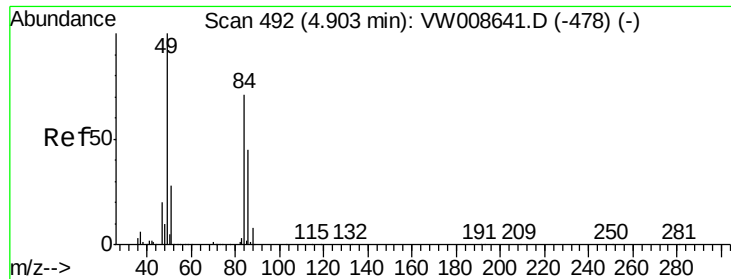
Tgt Ion: 43 Resp: 18165

Ion Ratio Lower Upper

43 100

58 25.2 24.1 36.1

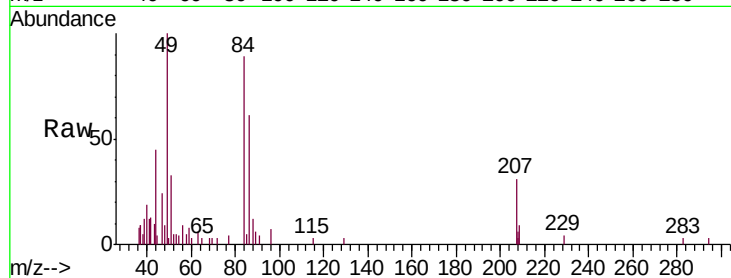




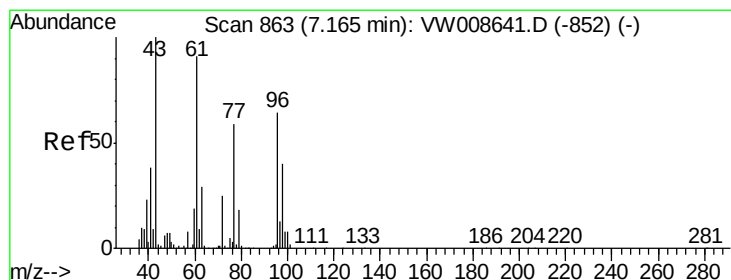
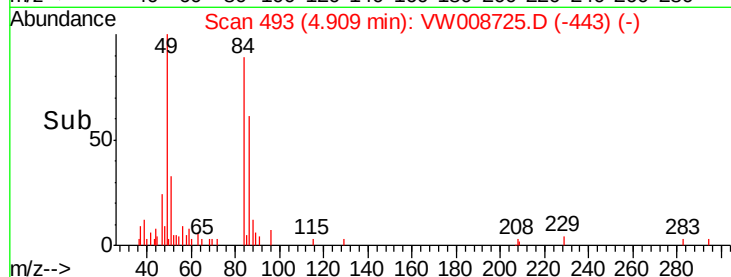
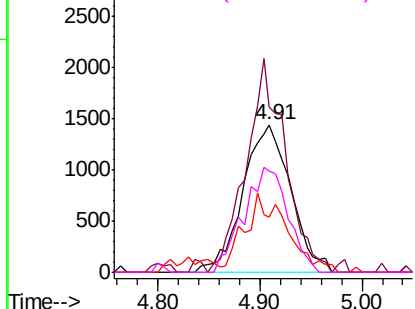
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008725.D
Acq: 18 Feb 2019 13:44

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-030-B

Tgt Ion: 84 Resp: 4685
Ion Ratio Lower Upper
84 100
49 111.8 113.3 169.9#
51 37.1 32.1 48.1
86 68.3 50.9 76.3

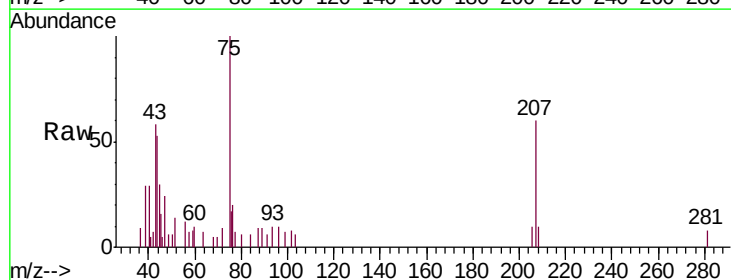


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

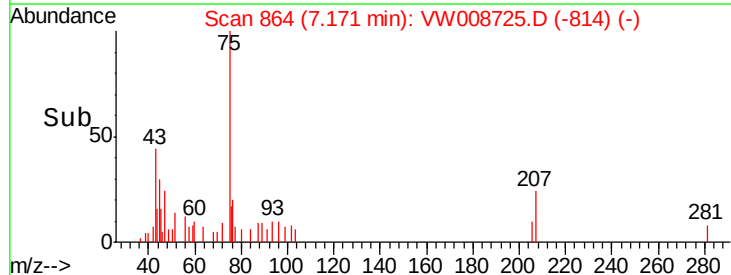
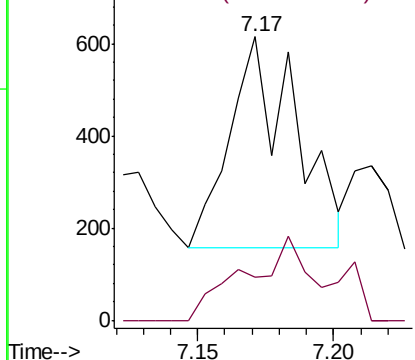


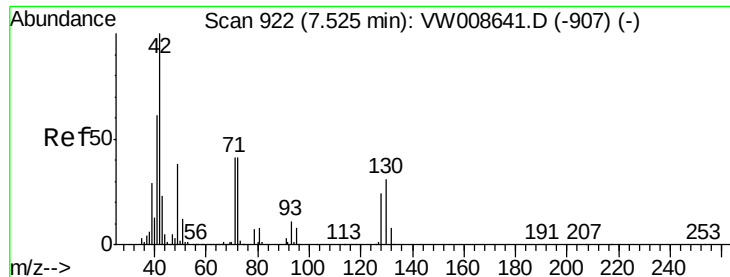
#25
2-Butanone
Concen: 2.525 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008725.D
Acq: 18 Feb 2019 13:44

Tgt Ion: 43 Resp: 771
Ion Ratio Lower Upper
43 100
72 20.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.158 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-030-B

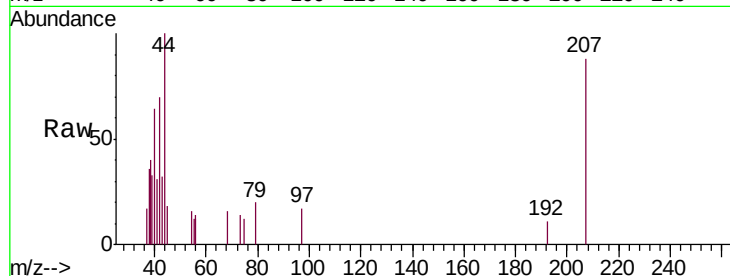
Tgt Ion: 42 Resp: 233

Ion Ratio Lower Upper

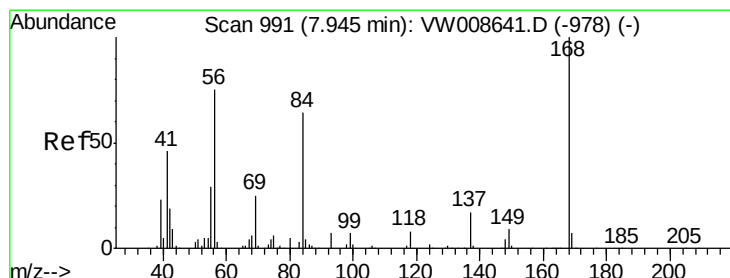
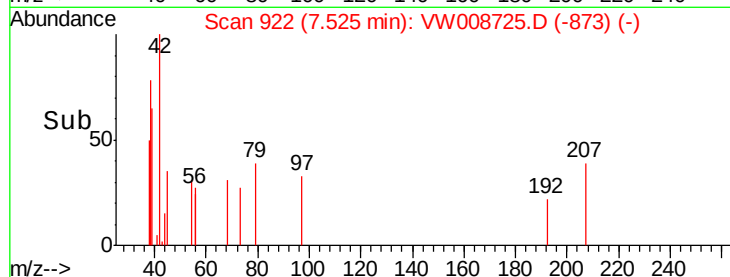
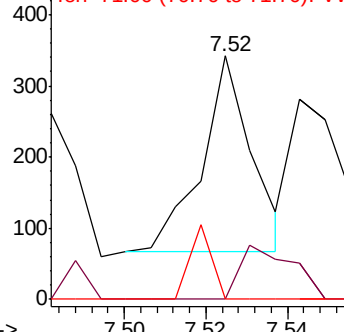
42 100

72 29.2 32.2 48.2#

71 16.7 31.0 46.6#



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



#31

Cyclohexane

Concen: 1.535 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

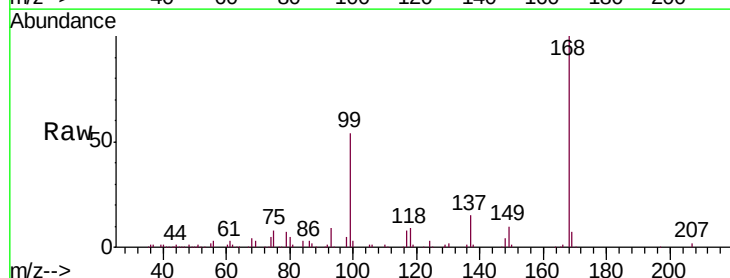
Tgt Ion: 56 Resp: 2668

Ion Ratio Lower Upper

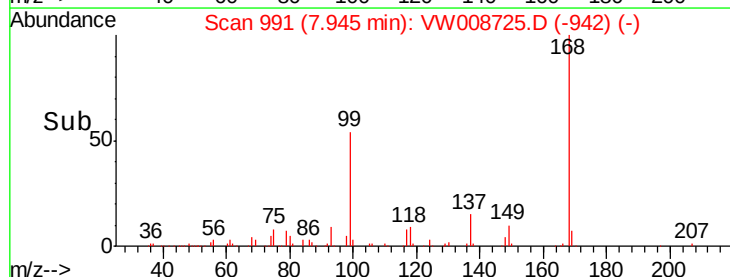
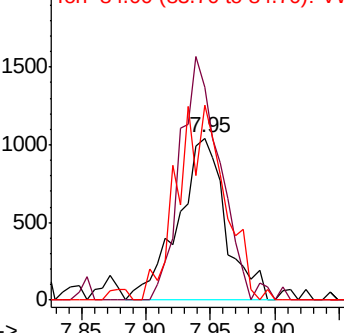
56 100

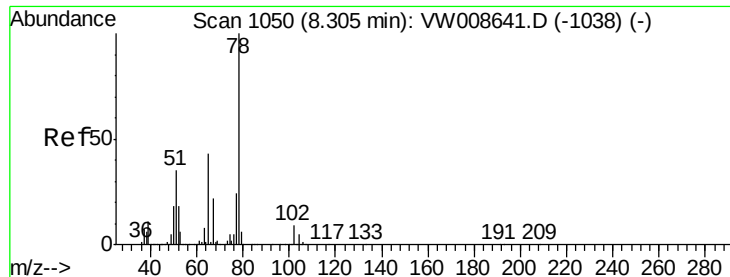
69 131.5 26.4 39.6#

84 120.6 67.4 101.2#



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

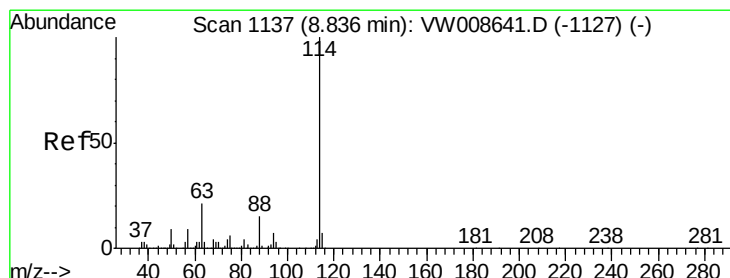
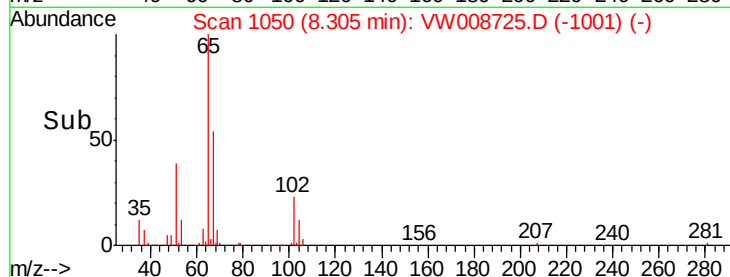
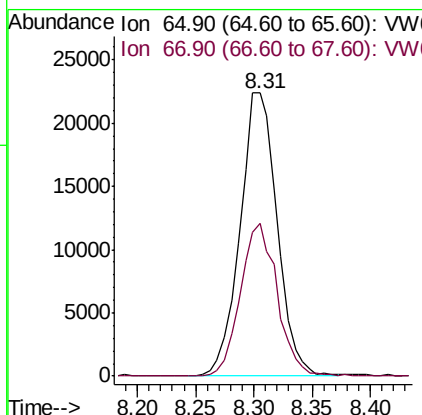
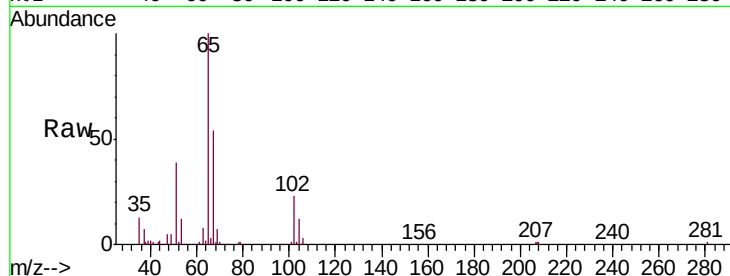




#33
 1,2-Dichloroethane-d4
 Concen: 52.324 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

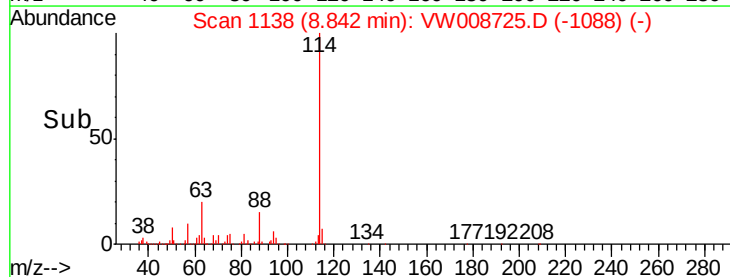
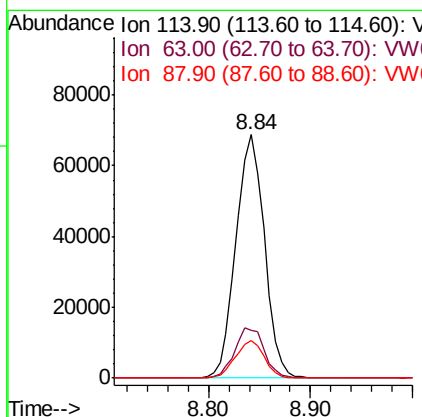
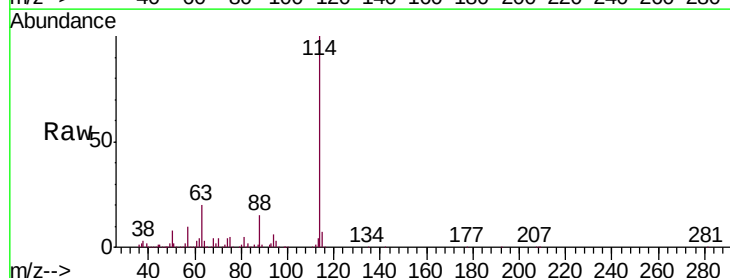
Instrument :
 MSVOA_W
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 FK-GF-02-030-B

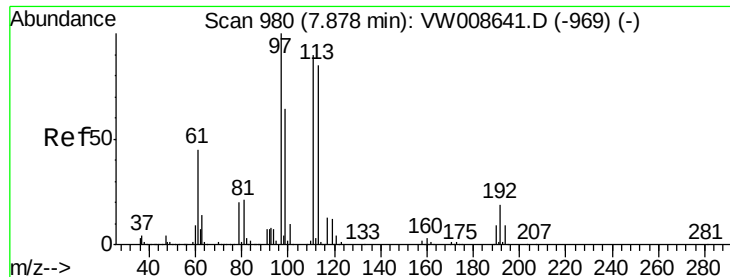
Tgt Ion: 65 Resp: 49715
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

Tgt Ion: 114 Resp: 133584
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.2
 88 15.5 0.0 29.6

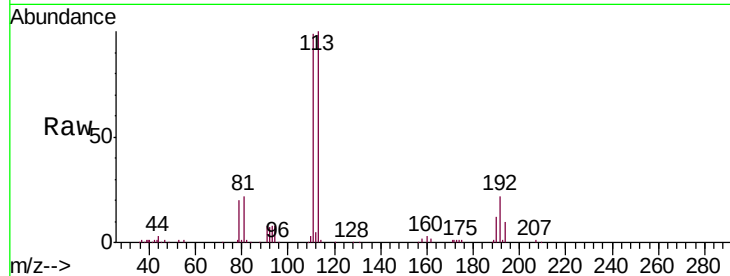




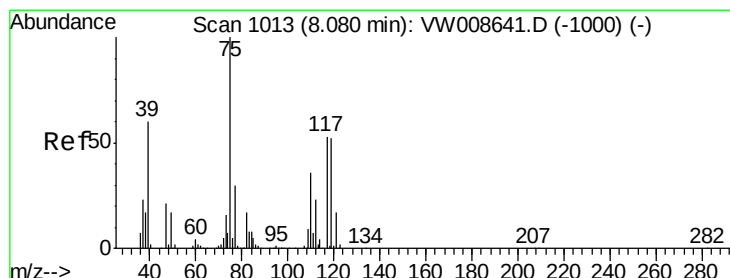
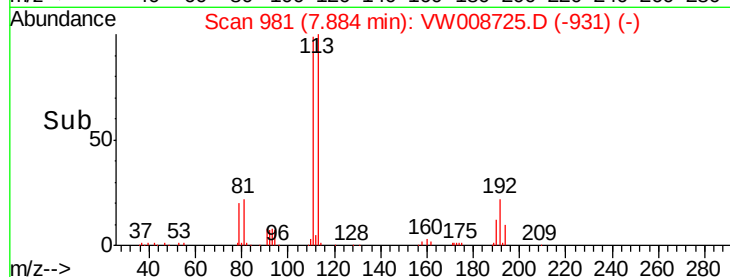
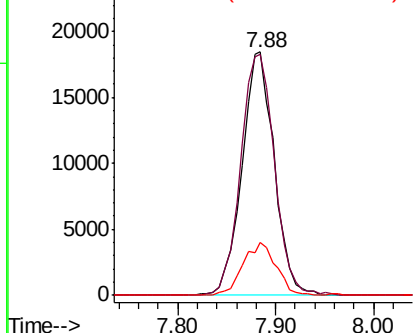
#35
 Dibromofluoromethane
 Concen: 50.943 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-030-B

Tgt Ion: 113 Resp: 42256
 Ion Ratio Lower Upper
 113 100
 111 103.9 84.0 126.0
 192 22.3 17.4 26.2

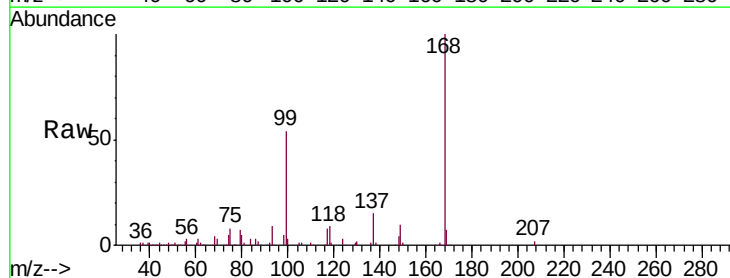


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

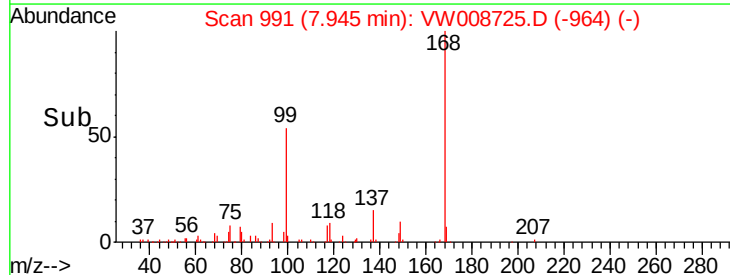
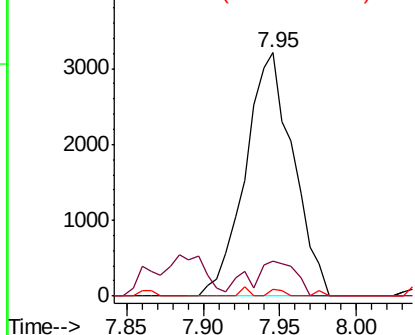


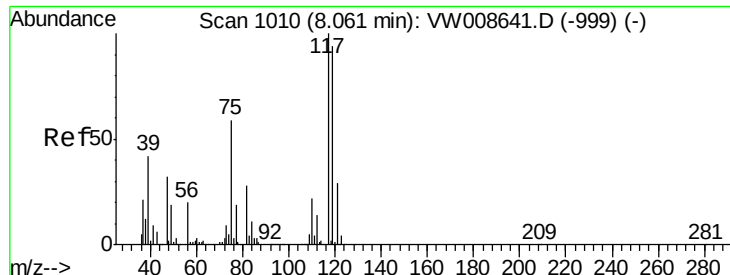
#36
 1,1-Dichloropropene
 Concen: 5.183 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

Tgt Ion: 75 Resp: 6956
 Ion Ratio Lower Upper
 75 100
 110 13.7 17.8 53.3#
 77 0.9 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.398 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.11 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-030-B

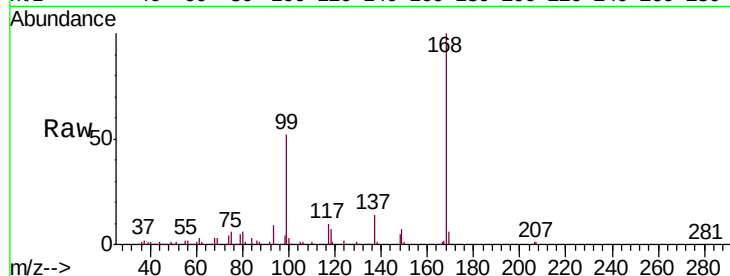
Tgt Ion: 117 Resp: 8539

Ion Ratio Lower Upper

117 100

119 7.9 75.1 112.7#

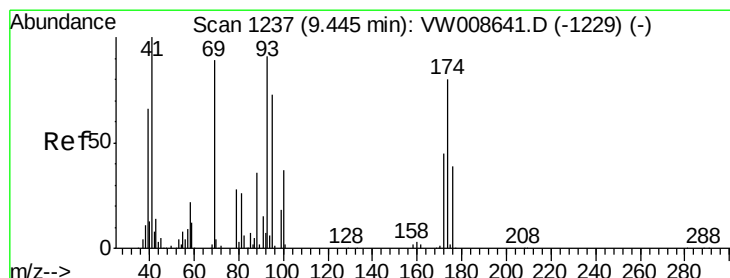
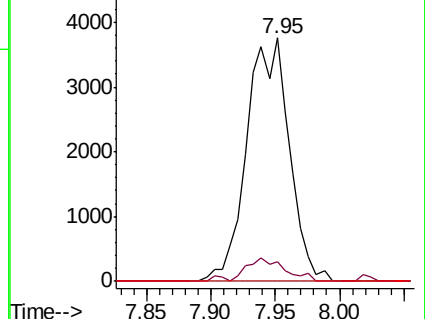
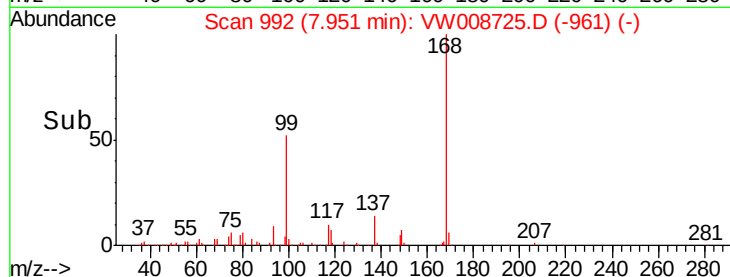
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 11.785 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

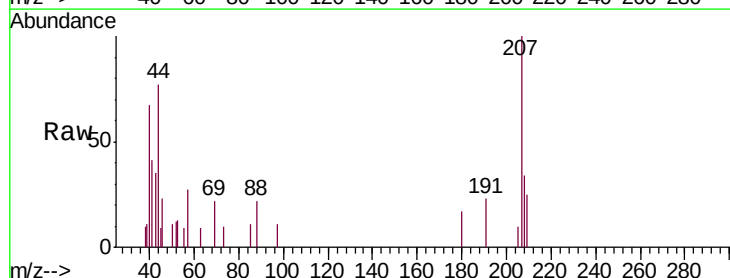
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 451.1 31.0 46.6#

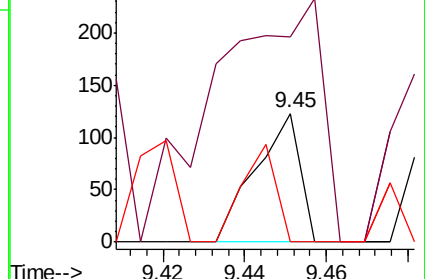
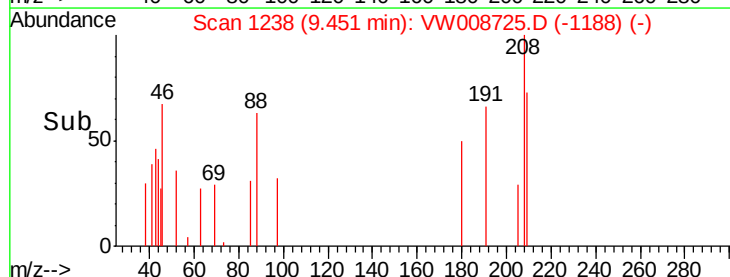
58 57.4 57.0 85.6

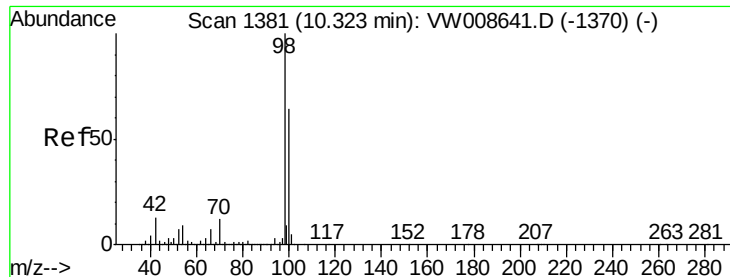


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.408 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

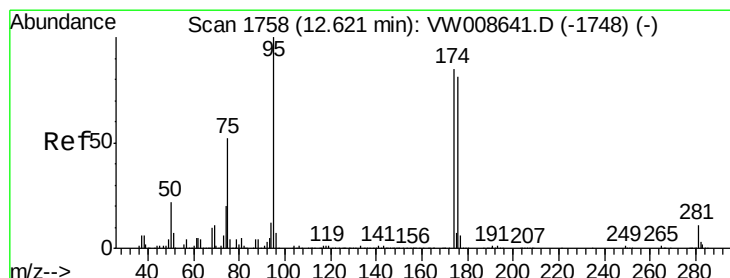
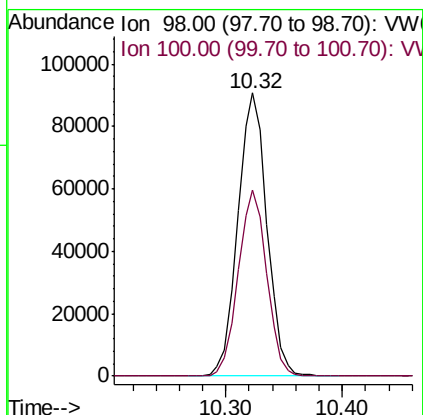
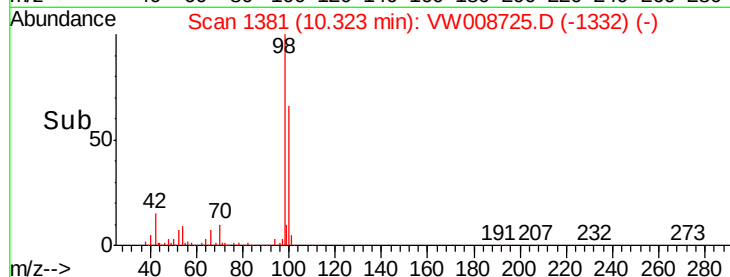
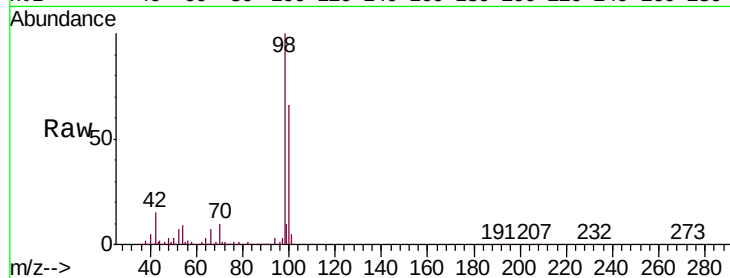
FK-GF-02-030-B

Tgt Ion: 98 Resp: 157982

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 42.254 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

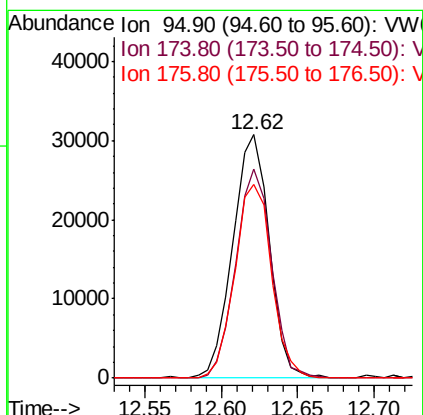
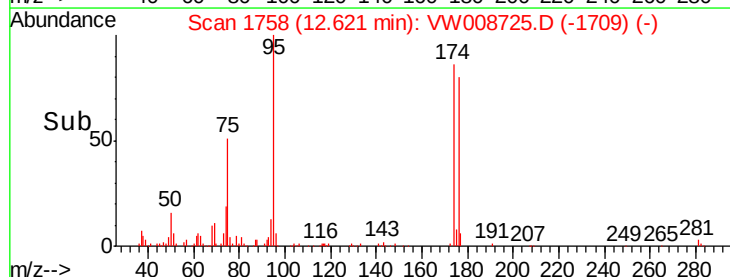
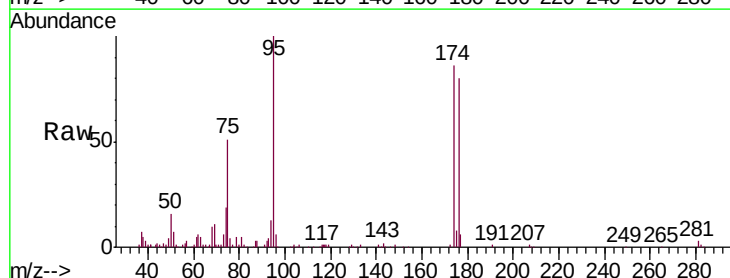
Tgt Ion: 95 Resp: 50891

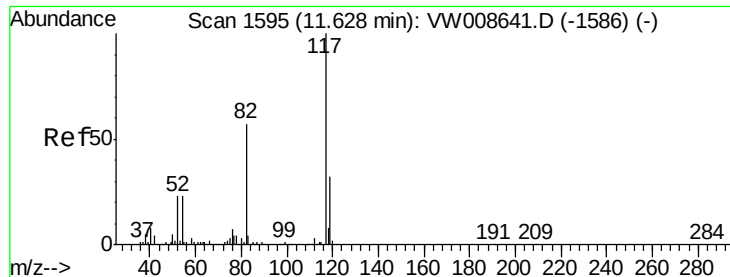
Ion Ratio Lower Upper

95 100

174 84.5 0.0 163.2

176 80.5 0.0 158.0

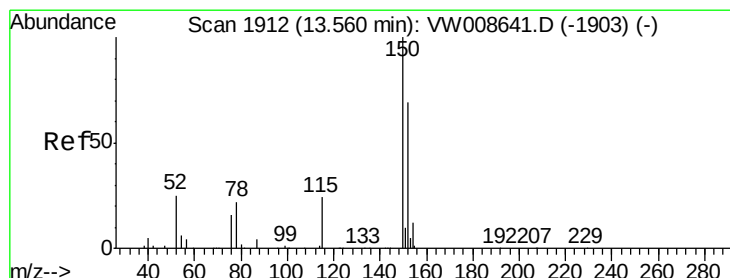
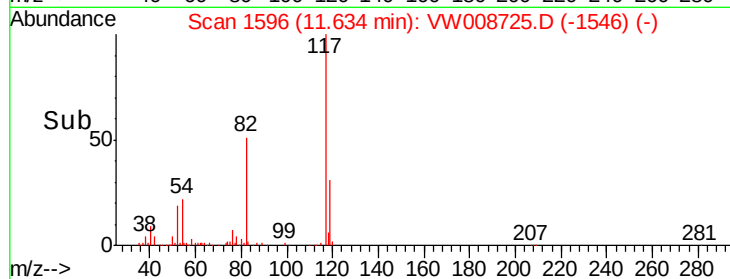
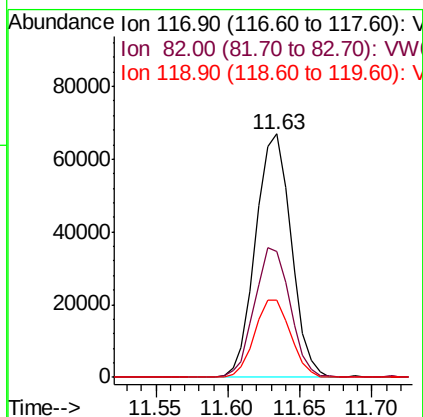
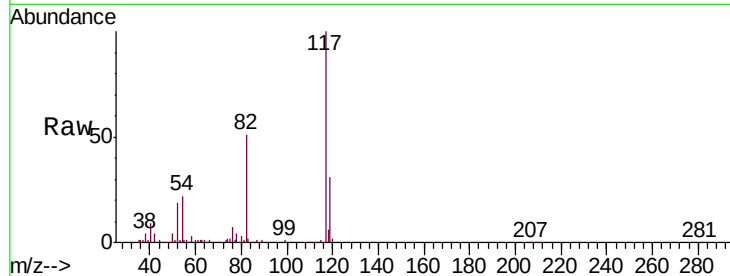




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008725.D
Acq: 18 Feb 2019 13:44

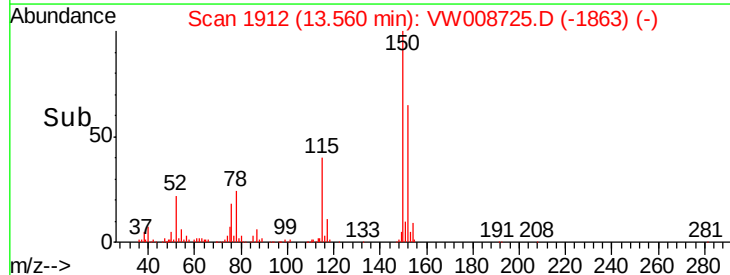
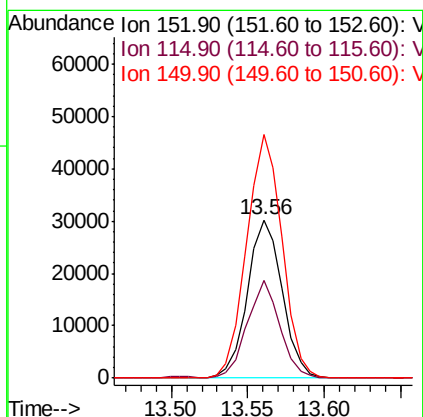
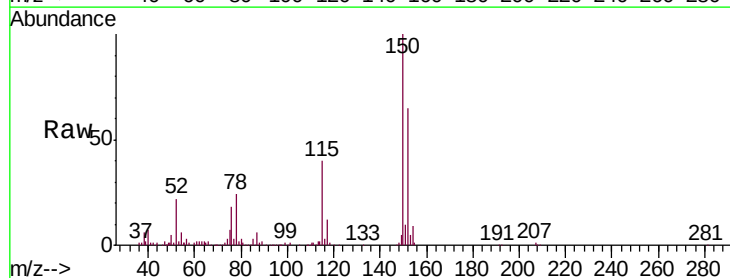
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-030-B

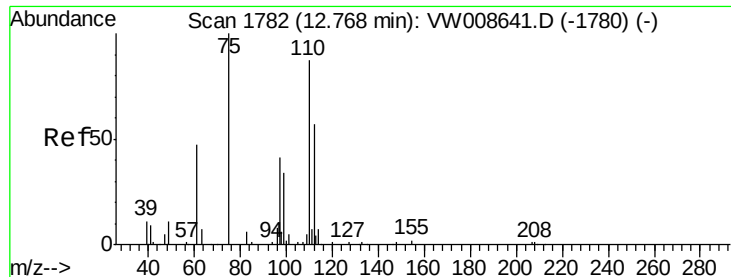
Tgt Ion:117 Resp: 114159
Ion Ratio Lower Upper
117 100
82 51.5 45.6 68.4
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008725.D
Acq: 18 Feb 2019 13:44

Tgt Ion:152 Resp: 47831
Ion Ratio Lower Upper
152 100
115 57.9 29.3 87.8
150 156.6 0.0 352.8





#76

1,2,3-Trichloropropane

Concen: 56.213 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

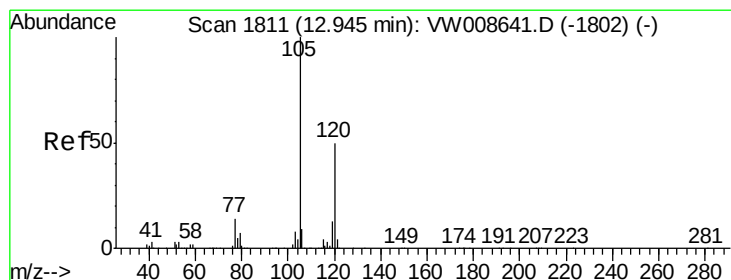
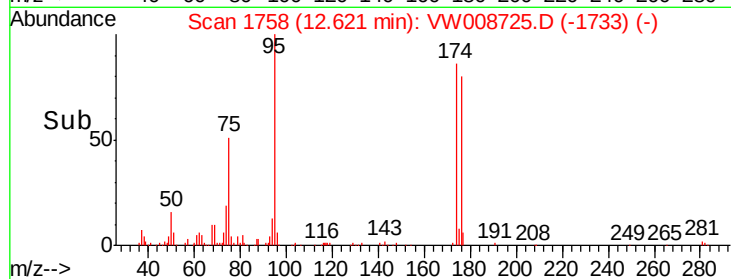
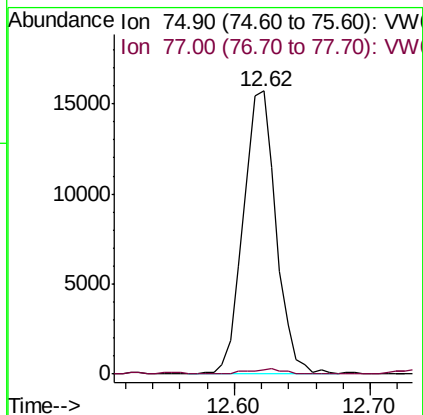
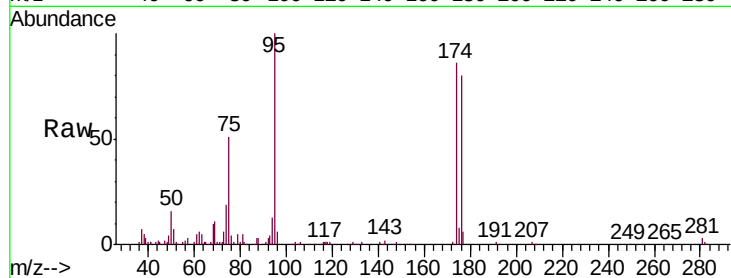
FK-GF-02-030-B

Tgt Ion: 75 Resp: 26550

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.480 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008725.D

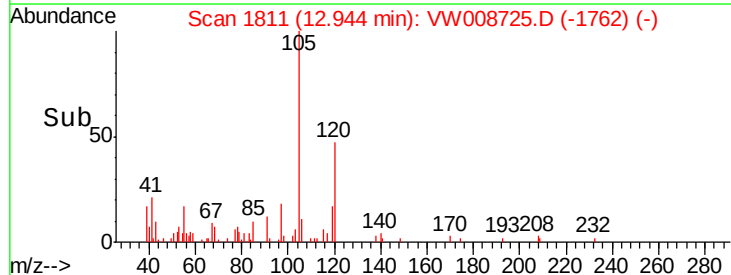
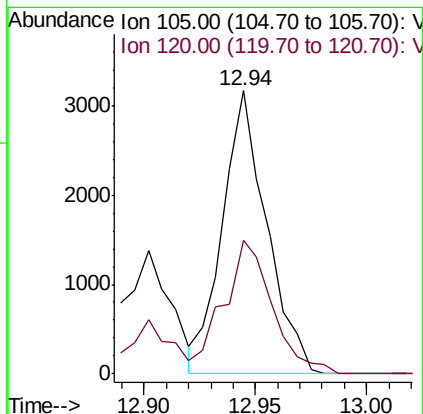
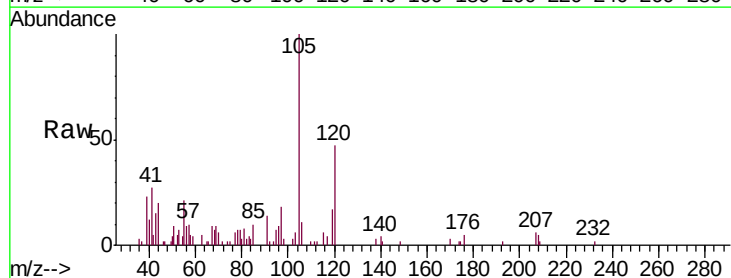
Acq: 18 Feb 2019 13:44

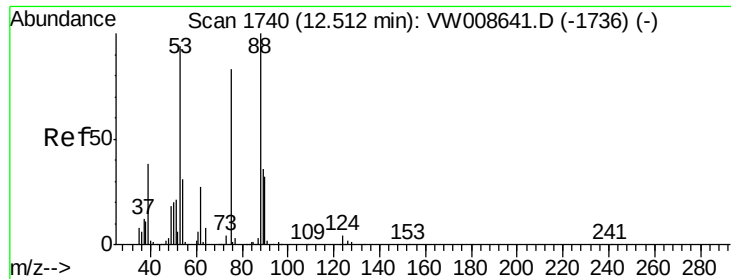
Tgt Ion: 105 Resp: 4380

Ion Ratio Lower Upper

105 100

120 52.2 24.6 73.8

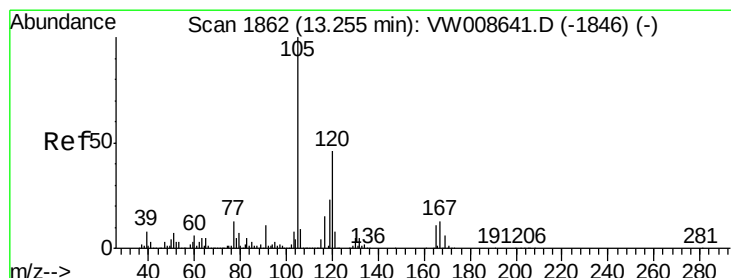
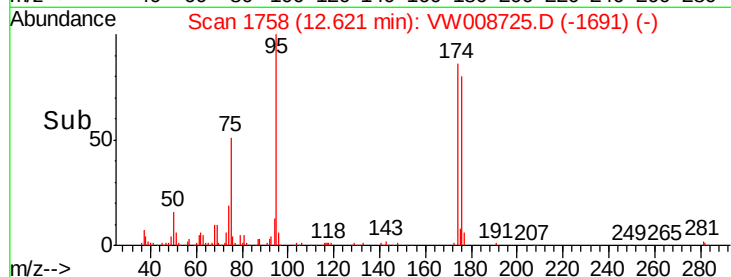
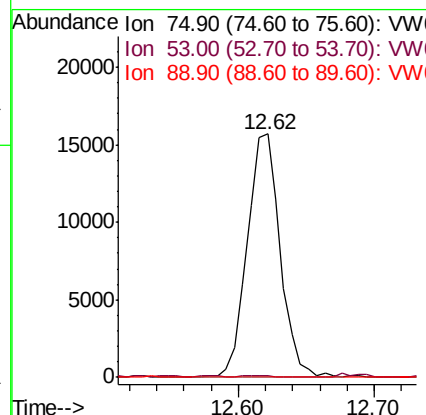
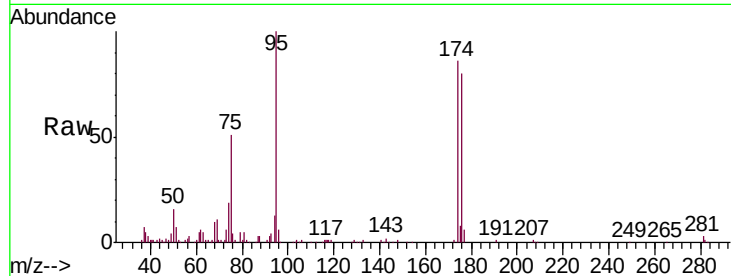




#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.213 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

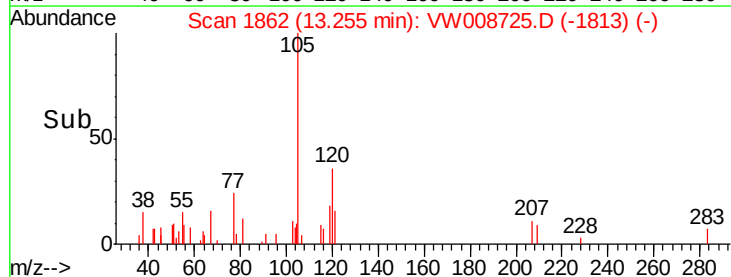
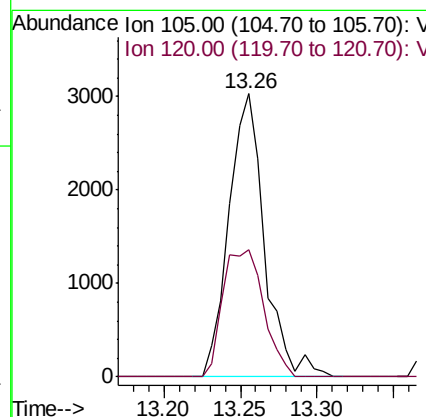
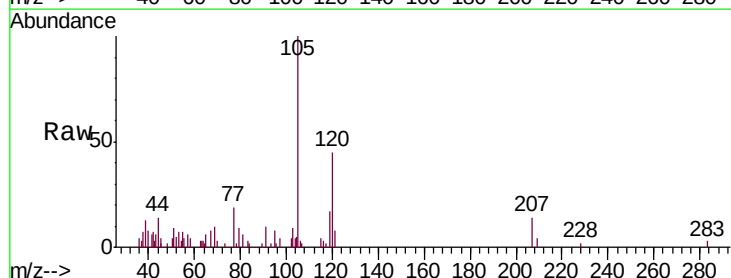
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-030-B

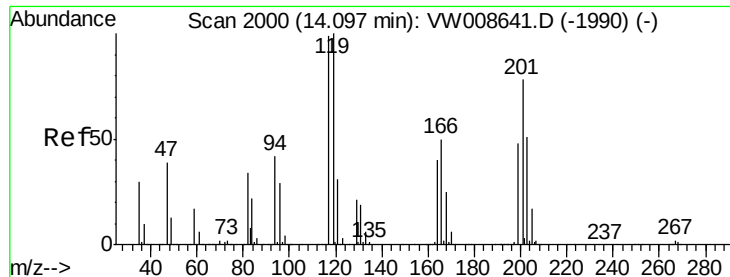
Tgt Ion: 75 Resp: 26550
 Ion Ratio Lower Upper
 75 100
 53 0.6 87.4 131.0#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.606 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008725.D
 Acq: 18 Feb 2019 13:44

Tgt Ion: 105 Resp: 4884
 Ion Ratio Lower Upper
 105 100
 120 51.6 22.9 68.8





#90

Hexachloroethane

Concen: 1.948 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

Instrument :

MSVOA_W

ClientSampleId :

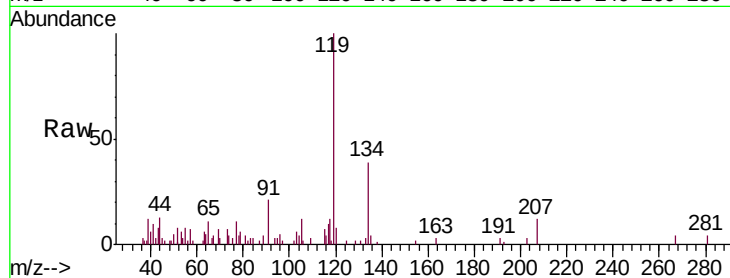
FK-GF-02-030-B

Tgt Ion:117 Resp: 1139

Ion Ratio Lower Upper

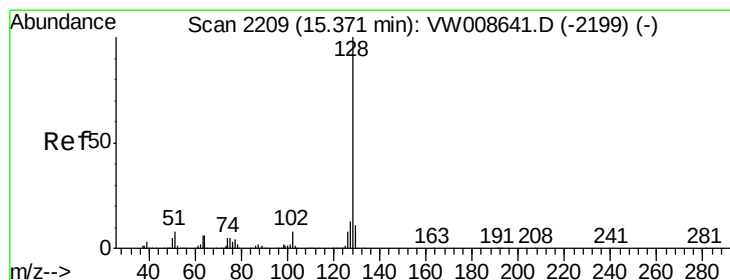
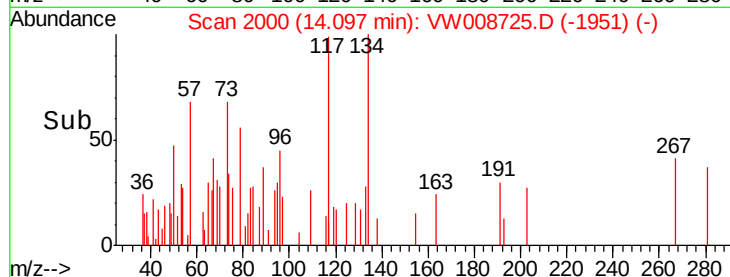
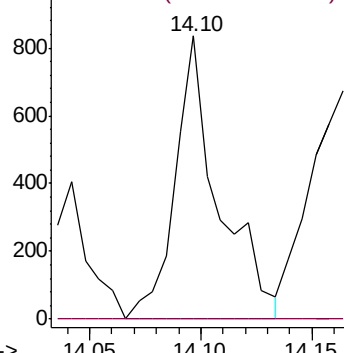
117 100

201 0.0 38.7 116.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 1.258 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008725.D

Acq: 18 Feb 2019 13:44

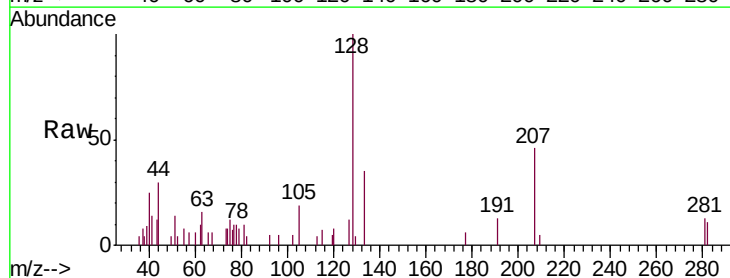
Tgt Ion:128 Resp: 2361

Ion Ratio Lower Upper

128 100

127 17.5 10.9 16.3#

129 10.6 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

