

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010056.D
 Acq On : 18 Apr 2019 20:14
 Operator : SY/VA
 Sample : K2444-04RE
 Misc : 7.23G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-037-B

Quant Time: Apr 19 01:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 11:26:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	112267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33224	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	59852	71.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.68%	
35) Dibromofluoromethane	7.88	113	44127	61.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.64%	
50) Toluene-d8	10.32	98	144110	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	41003	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	

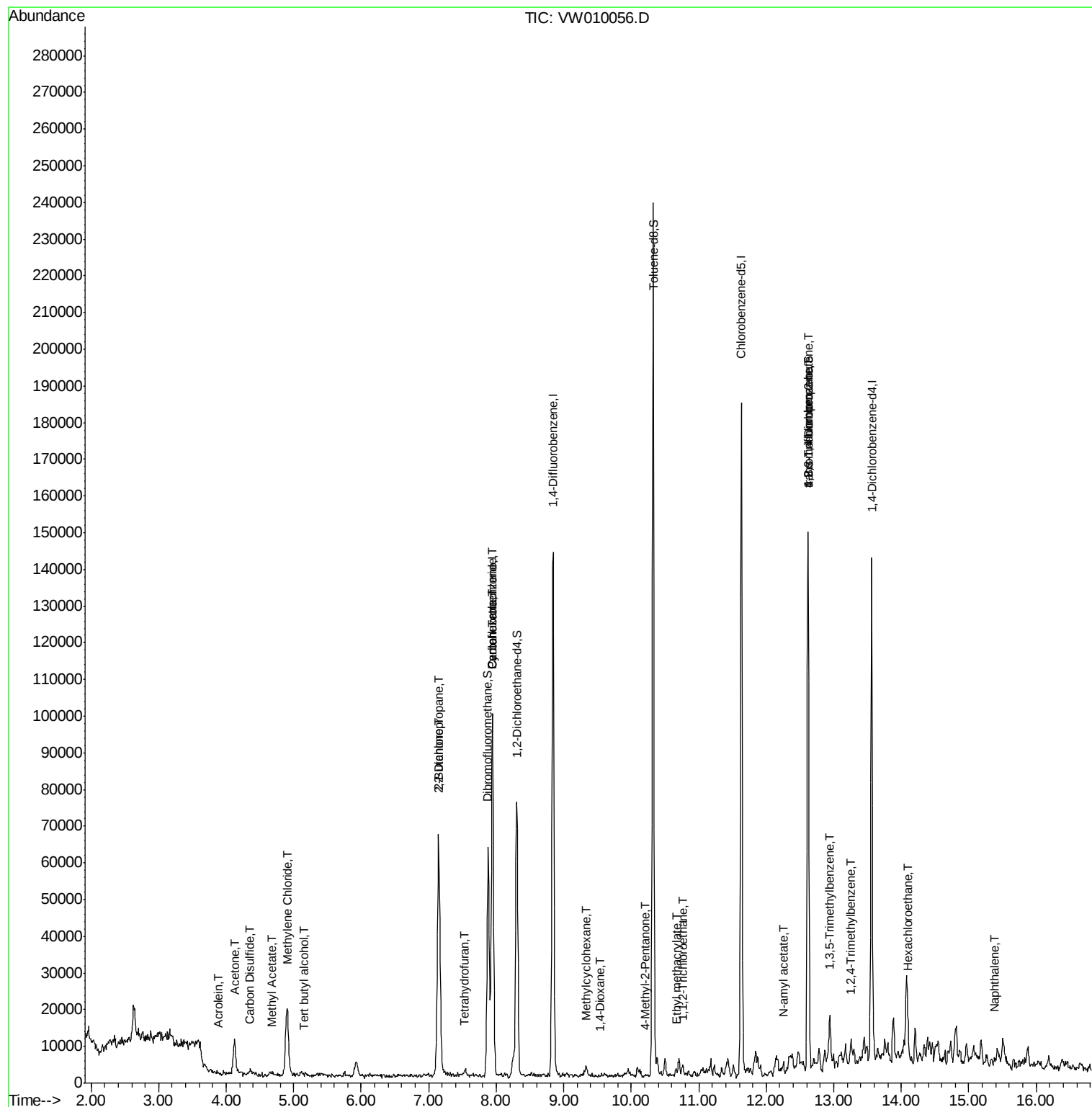
Target Compounds						Qvalue
11) Tert butyl alcohol	5.15	59	245	5.126	ug/l #	71
13) Acrolein	3.89	56	161	3.202	ug/l #	66
16) Acetone	4.12	43	15416	79.190	ug/l #	88
17) Carbon Disulfide	4.36	76	2409	2.497	ug/l	97
18) Methyl Acetate	4.68	43	2193	4.867	ug/l #	61
20) Methylene Chloride	4.90	84	12270	13.027	ug/l #	90
25) 2-Butanone	7.15	43	4111	16.076	ug/l #	77
26) 2,2-Dichloropropane	7.16	77	4597	5.734	ug/l #	53
29) Tetrahydrofuran	7.52	42	675	4.166	ug/l #	64
31) Cyclohexane	7.95	56	2644	1.949	ug/l #	24
38) Carbon Tetrachloride	7.95	117	6963	6.221	ug/l #	18
39) Methylcyclohexane	9.34	83	661	1.660	ug/l	87
49) 1,4-Dioxane	9.54	88	45	6.894	ug/l #	17
51) 4-Methyl-2-Pentanone	10.21	43	691	1.208	ug/l #	61
55) 1,1,2-Trichloroethane	10.77	97	912	1.530	ug/l #	22
56) Ethyl methacrylate	10.66	69	253	2.931	ug/l #	1
74) N-amyl acetate	12.26	43	1044	1.630	ug/l #	73
76) 1,2,3-Trichloropropane	12.62	75	21858	65.734	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	2462	1.256	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.62	75	21858	154.998	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.25	105	3937	1.981	ug/l	89
90) Hexachloroethane	14.10	117	666	1.626	ug/l #	13
95) Naphthalene	15.38	128	1452	3.729	ug/l #	87

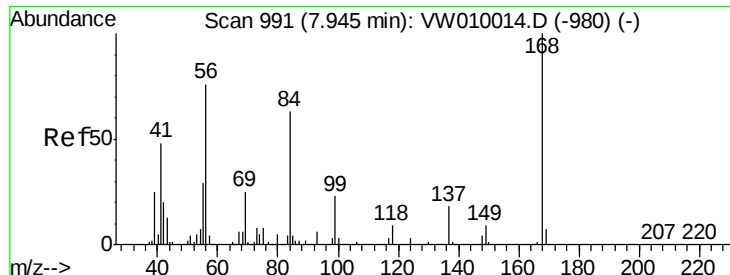
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 11:26:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

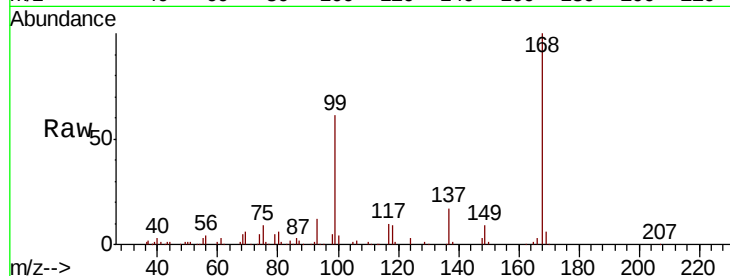
FK-GF-02-037-B

Tgt Ion:168 Resp: 67989

Ion Ratio Lower Upper

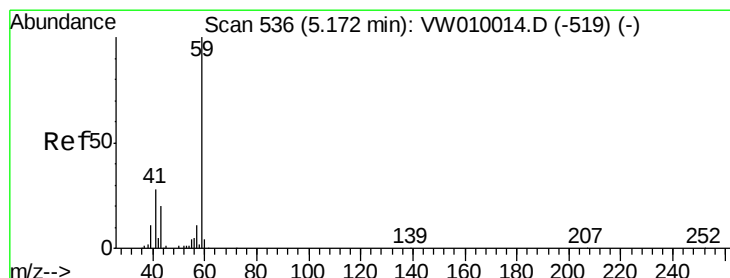
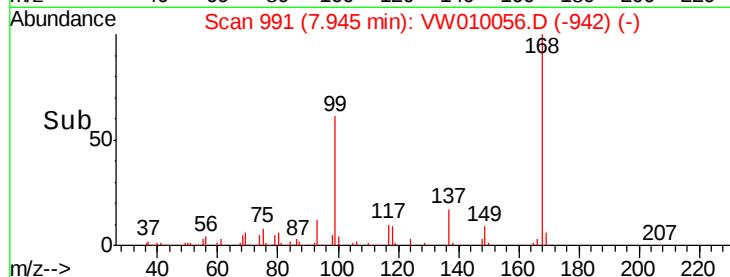
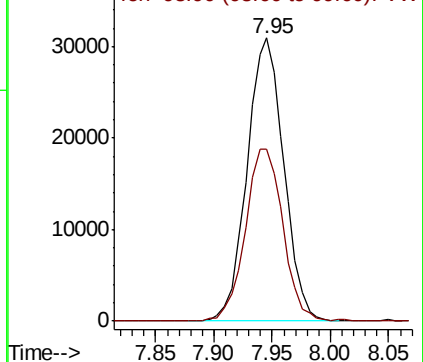
168 100

99 60.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.126 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW010056.D

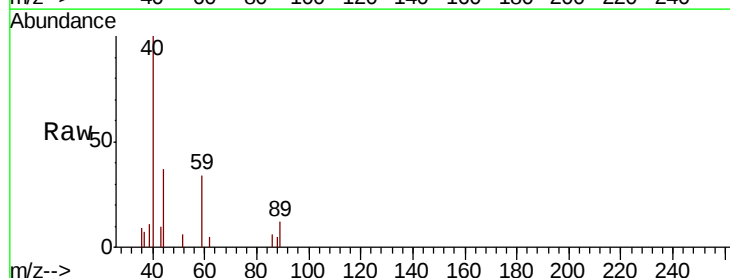
Acq: 18 Apr 2019 20:14

Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

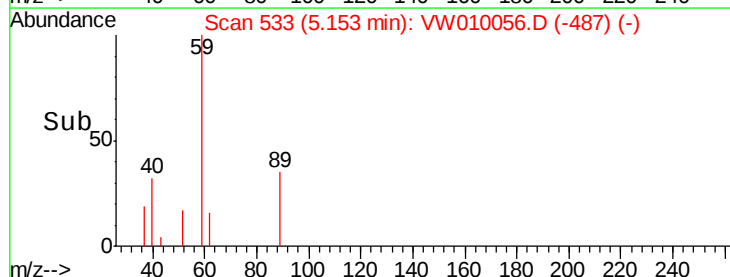
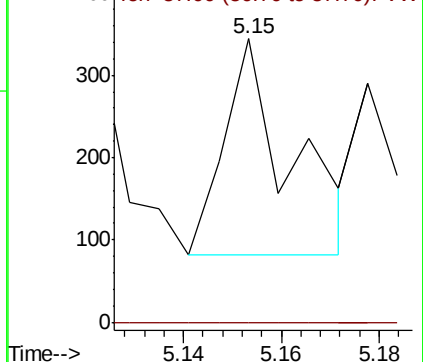
59 100

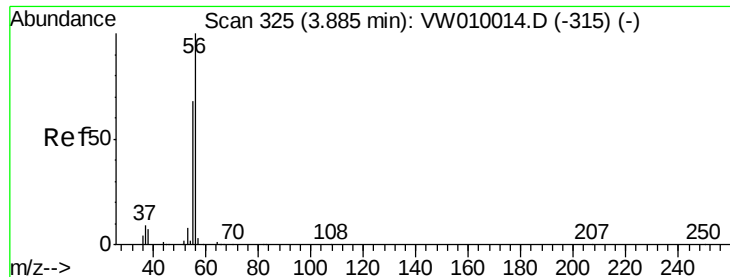
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.202 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

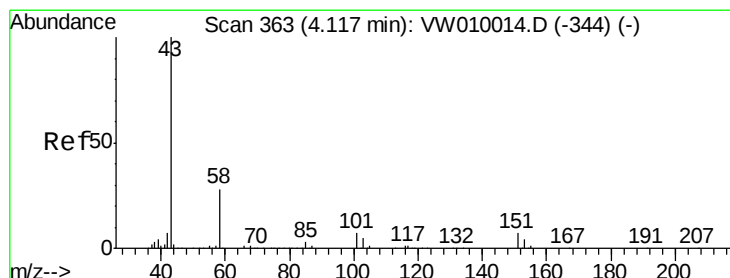
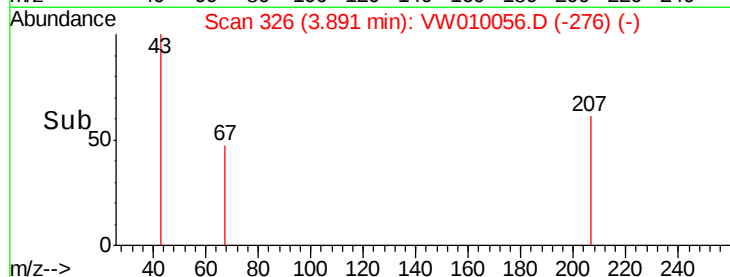
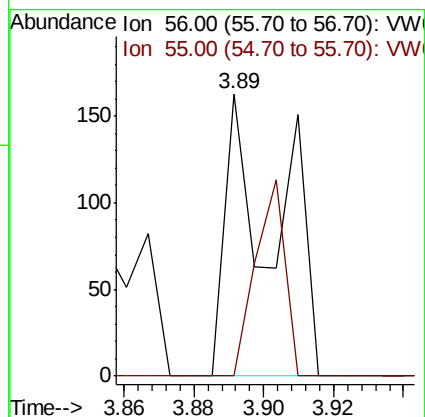
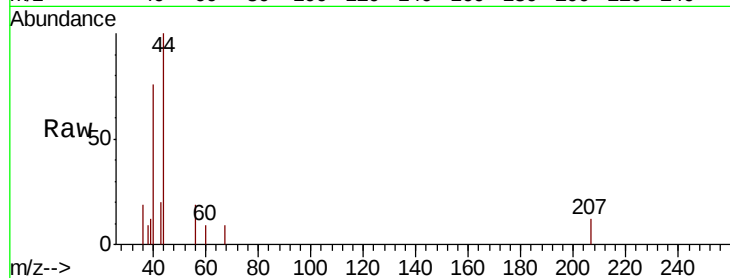
FK-GF-02-037-B

Tgt Ion: 56 Resp: 161

Ion Ratio Lower Upper

56 100

55 40.4 54.2 81.2#



#16

Acetone

Concen: 79.190 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010056.D

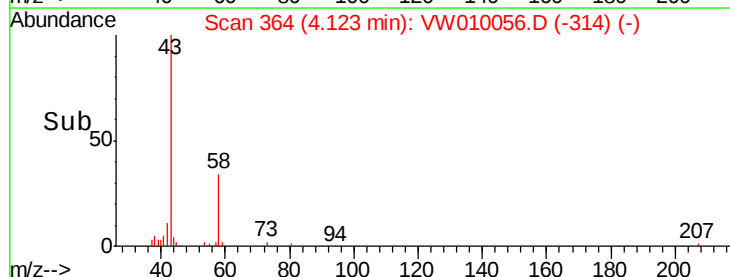
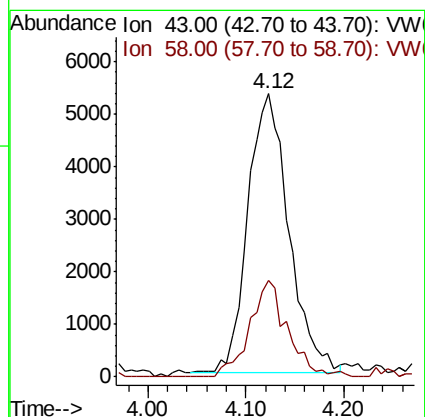
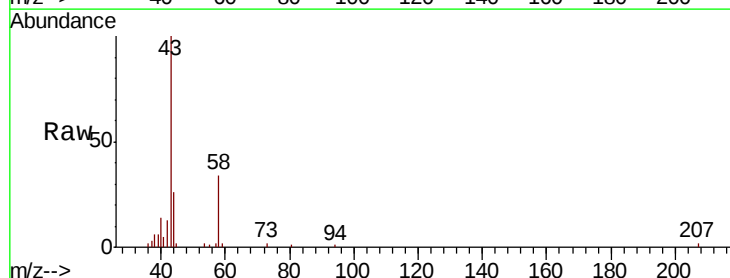
Acq: 18 Apr 2019 20:14

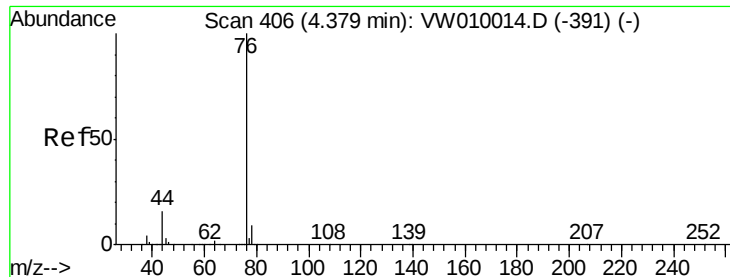
Tgt Ion: 43 Resp: 15416

Ion Ratio Lower Upper

43 100

58 34.7 22.7 34.1#





#17

Carbon Disulfide

Concen: 2.497 ug/l

RT: 4.36 min Scan# 403

Delta R.T. -0.02 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

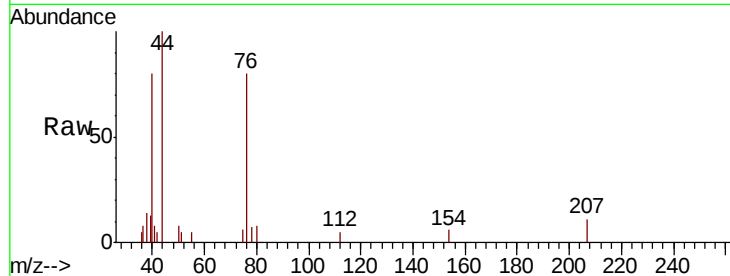
FK-GF-02-037-B

Tgt Ion: 76 Resp: 2409

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.36

800

600

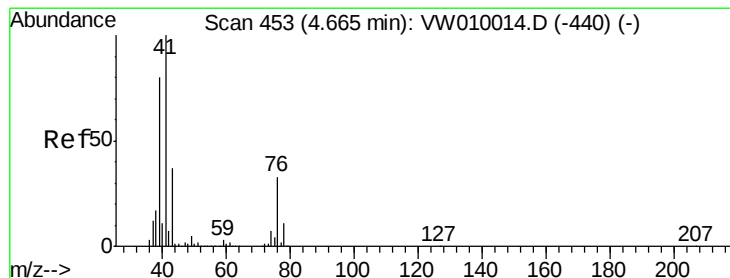
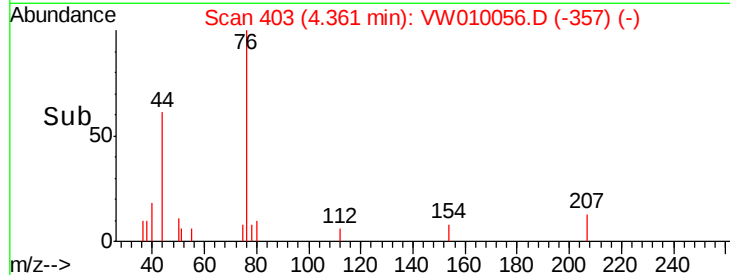
400

200

0

4.25 4.30 4.35 4.40 4.45

Time-->



#18

Methyl Acetate

Concen: 4.867 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW010056.D

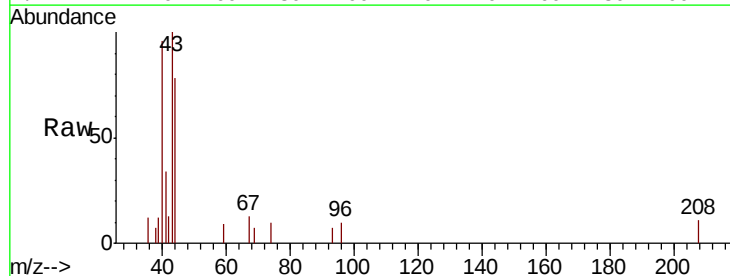
Acq: 18 Apr 2019 20:14

Tgt Ion: 43 Resp: 2193

Ion Ratio Lower Upper

43 100

74 3.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

800

600

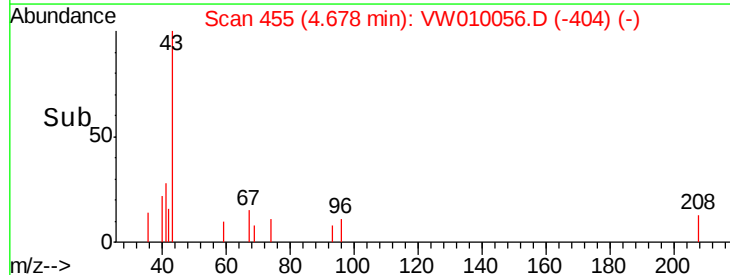
400

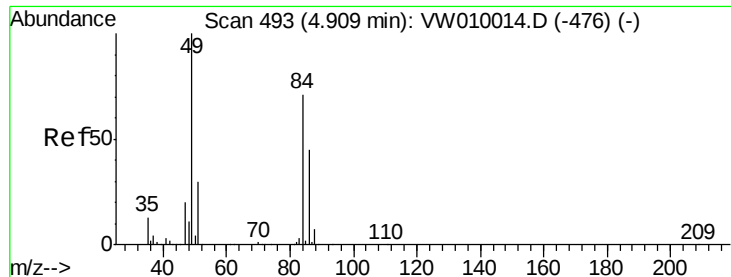
200

0

4.60 4.65 4.70 4.75

Time-->

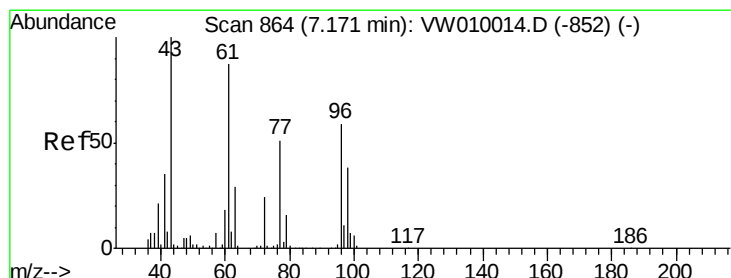
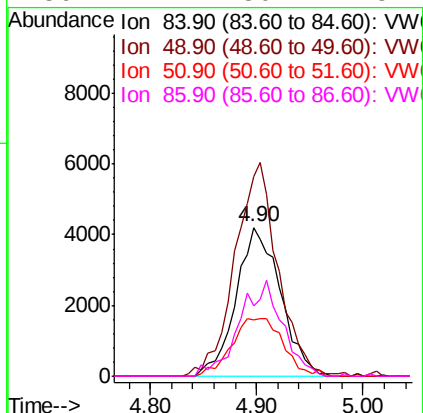
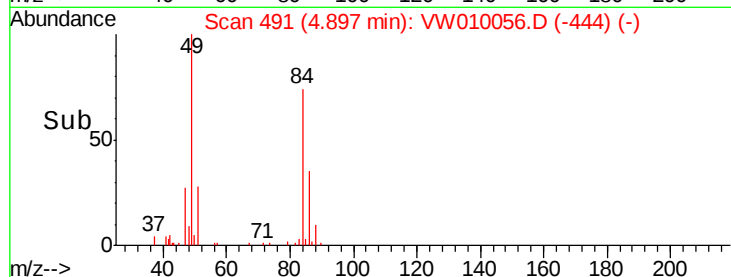
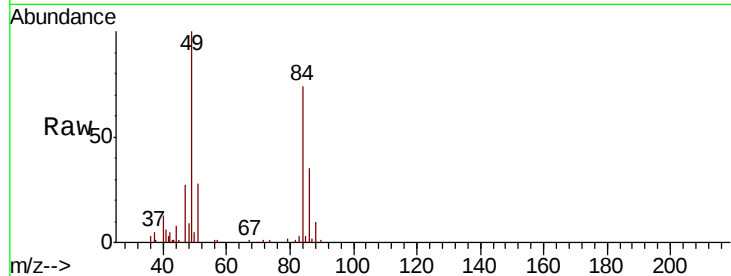




#20
Methylene Chloride
Concen: 13.027 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

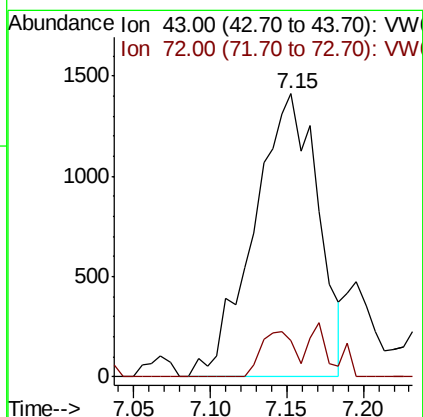
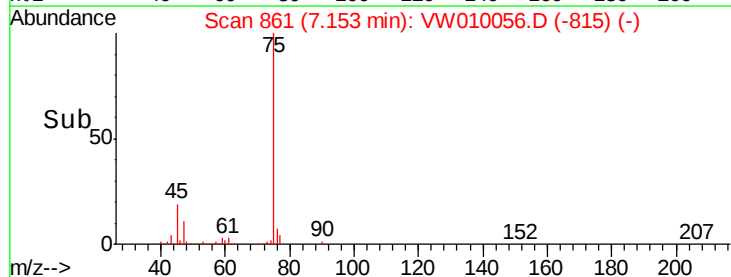
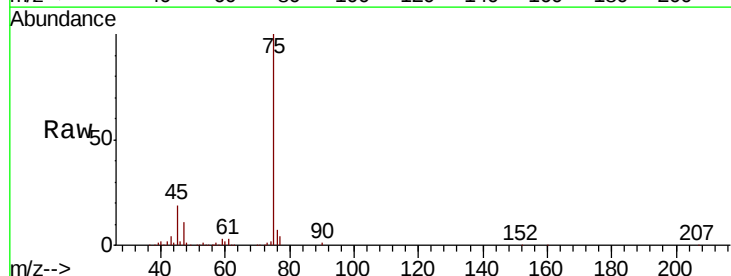
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-037-B

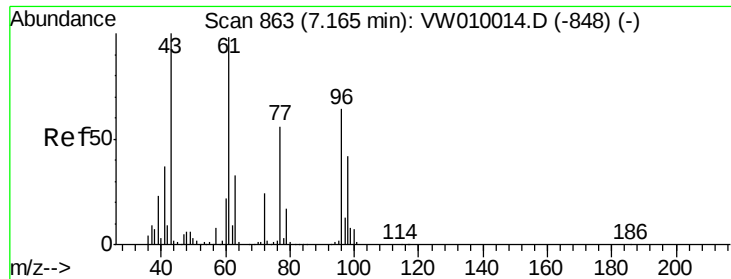
Tgt Ion: 84 Resp: 12270
Ion Ratio Lower Upper
84 100
49 132.5 112.3 168.5
51 37.9 33.9 50.9
86 47.2 50.2 75.4#



#25
2-Butanone
Concen: 16.076 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion: 43 Resp: 4111
Ion Ratio Lower Upper
43 100
72 12.7 19.1 28.7#





#26

2,2-Dichloropropane

Concen: 5.734 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

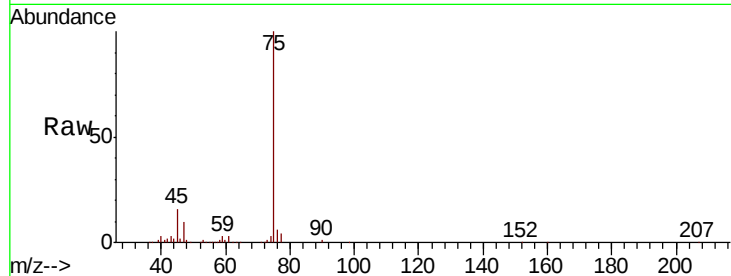
FK-GF-02-037-B

Tgt Ion: 77 Resp: 4597

Ion Ratio Lower Upper

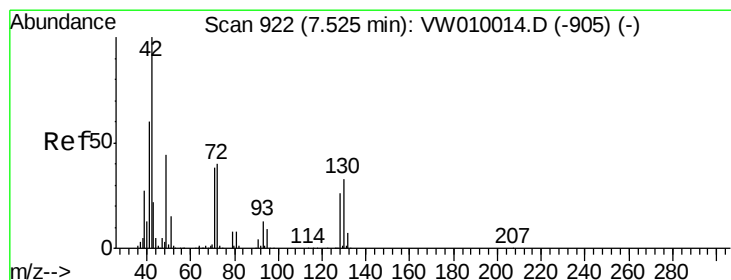
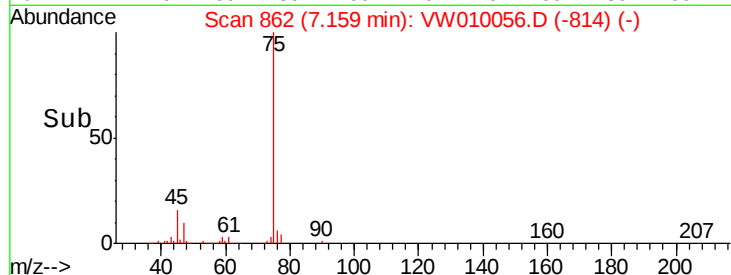
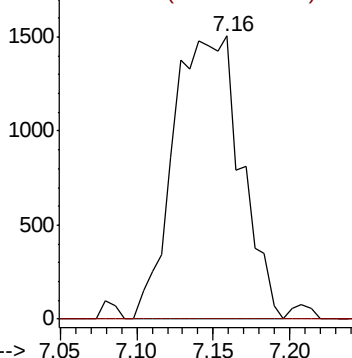
77 100

97 0.0 11.3 33.9#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#29

Tetrahydrofuran

Concen: 4.166 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

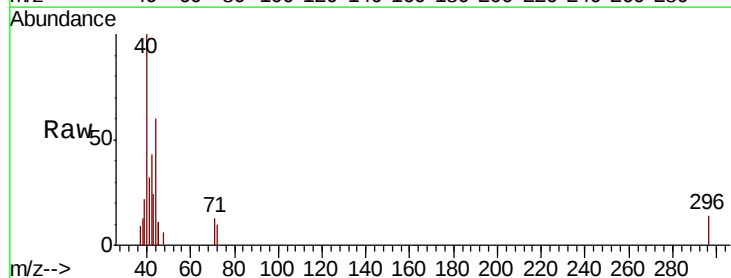
Tgt Ion: 42 Resp: 675

Ion Ratio Lower Upper

42 100

72 61.2 31.0 46.6#

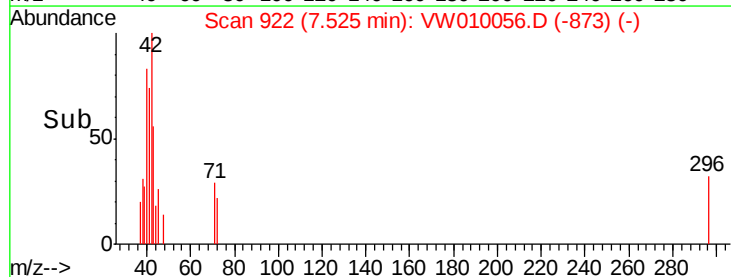
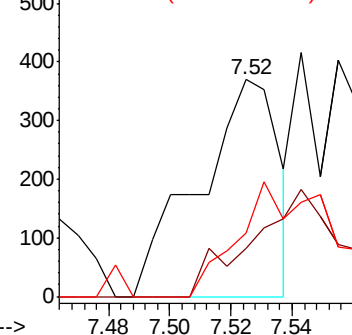
71 58.1 29.7 44.5#

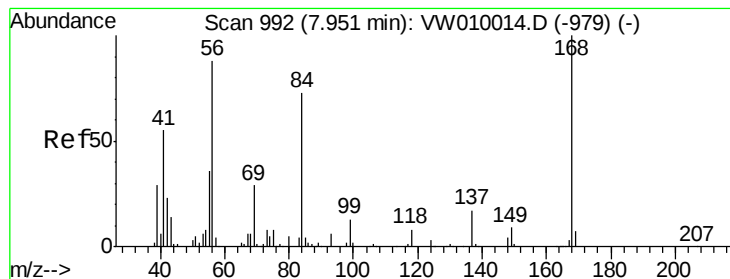


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.949 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010056.D

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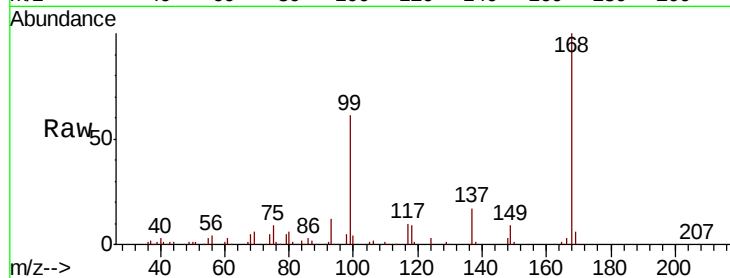
Tgt Ion: 56 Resp: 2644

Ion Ratio Lower Upper

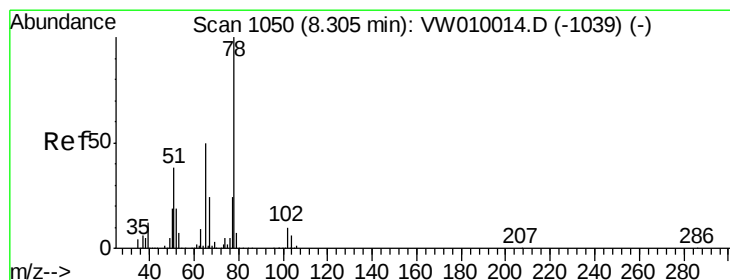
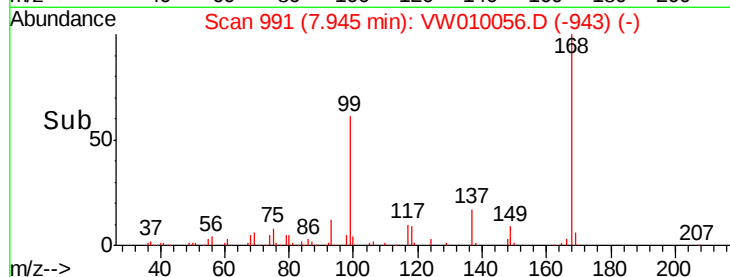
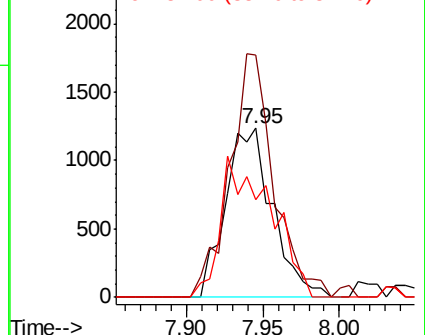
56 100

69 143.5 26.6 40.0#

84 57.4 66.2 99.2#



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: 71.336 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010056.D

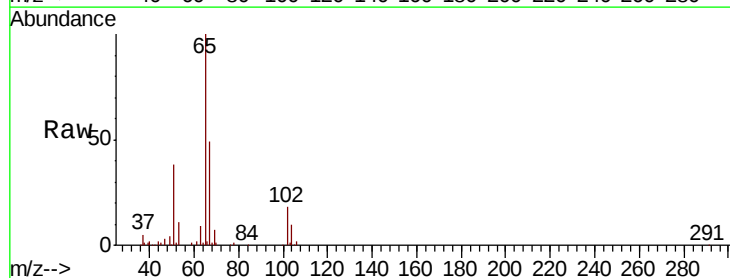
Acq: 18 Apr 2019 20:14

Tgt Ion: 65 Resp: 59852

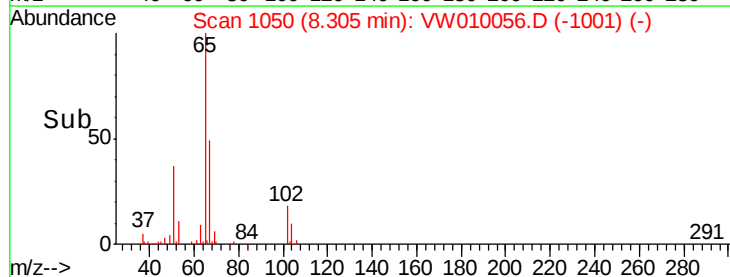
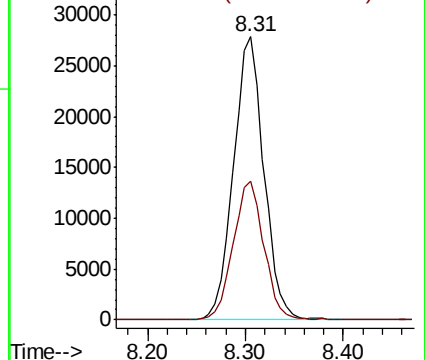
Ion Ratio Lower Upper

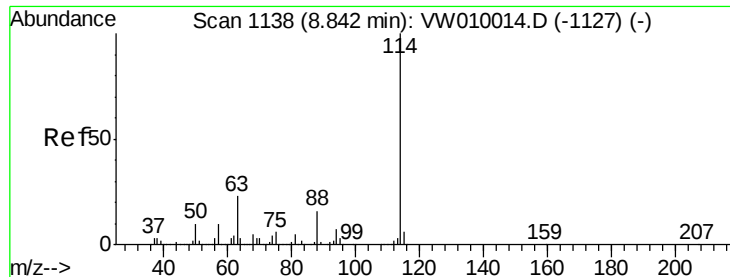
65 100

67 49.3 0.0 100.8



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

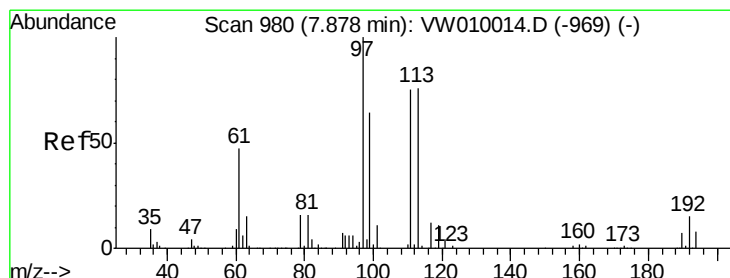
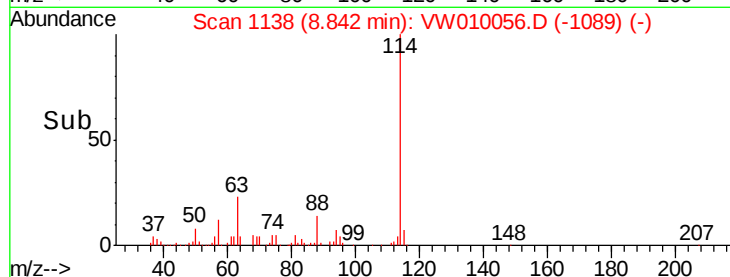
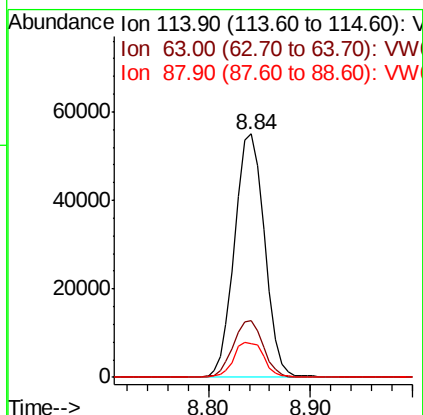
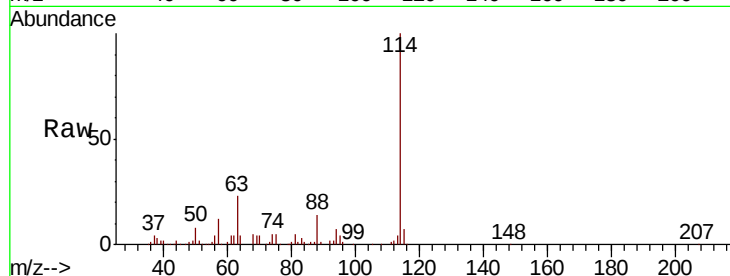




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

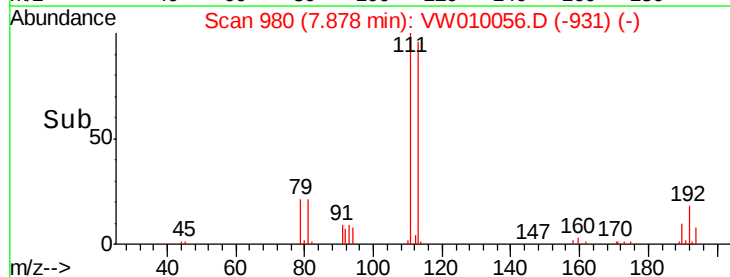
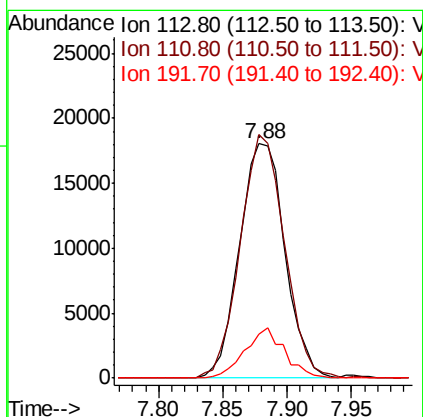
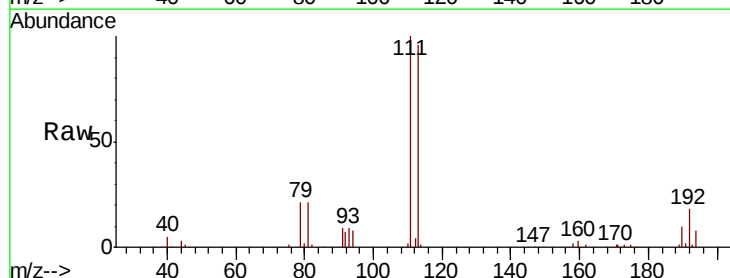
Instrument :
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 ClientSampleId :
 FK-GF-02-037-B

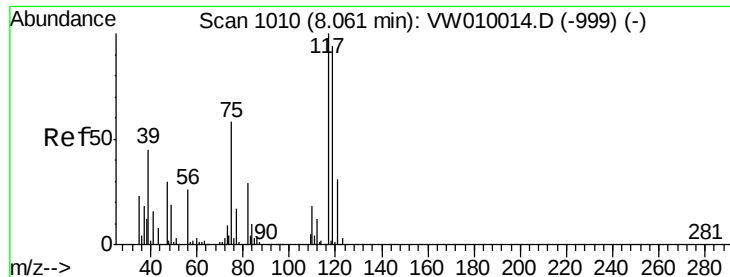
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.2
88	14.0	0.0	32.6



#35
 Dibromofluoromethane
 Concen: 61.824 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.6	123.8
192	18.6	15.4	23.2

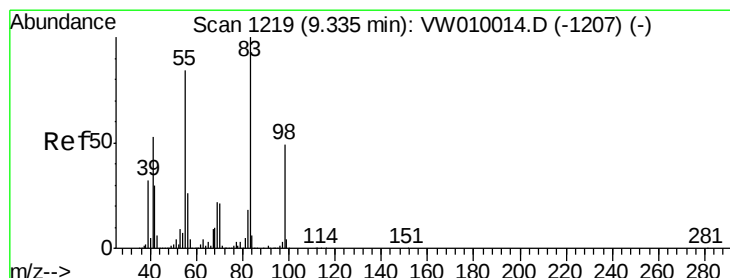
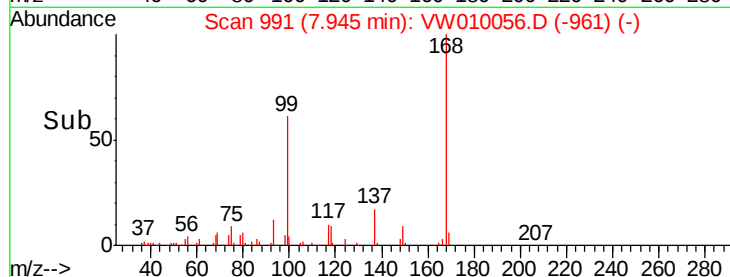
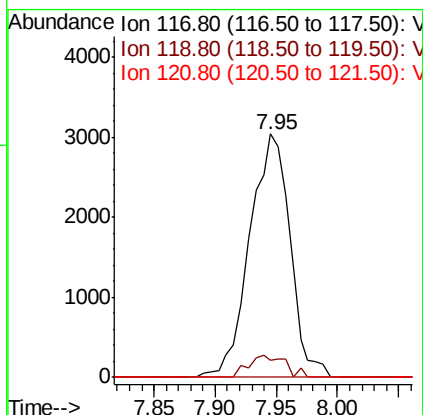
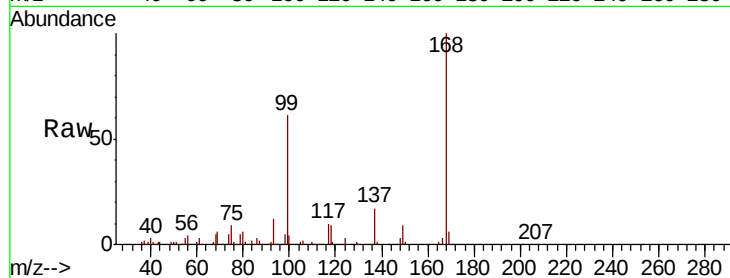




#38
Carbon Tetrachloride
Concen: 6.221 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

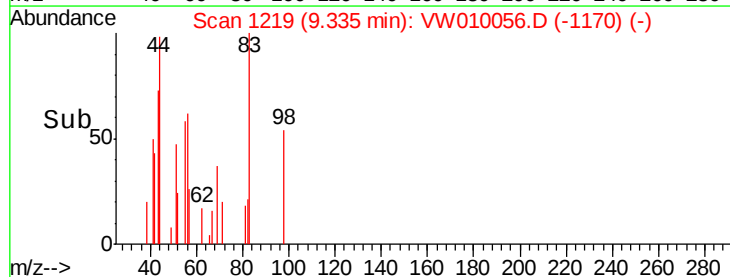
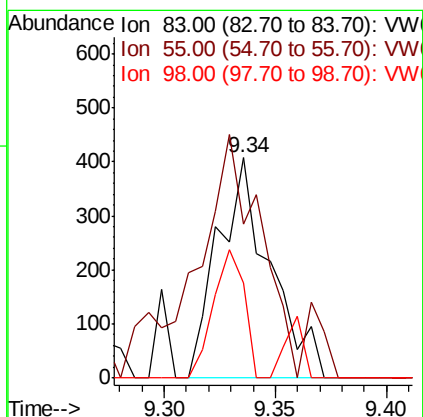
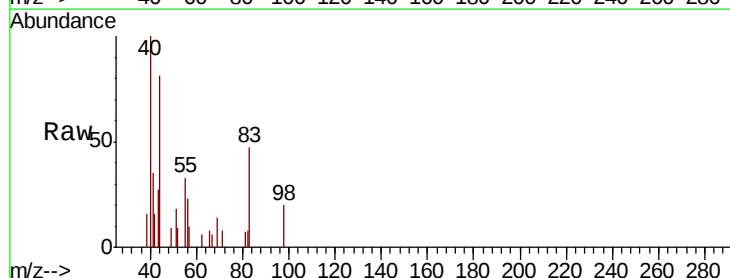
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-037-B

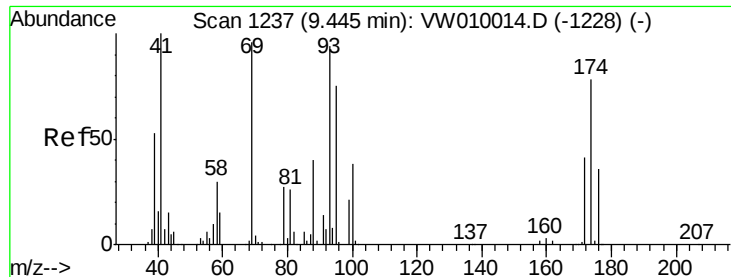
Tgt Ion: 117 Resp: 6963
Ion Ratio Lower Upper
117 100
119 6.8 75.3 112.9#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 1.660 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion: 83 Resp: 661
Ion Ratio Lower Upper
83 100
55 70.1 67.1 100.7
98 43.1 39.2 58.8

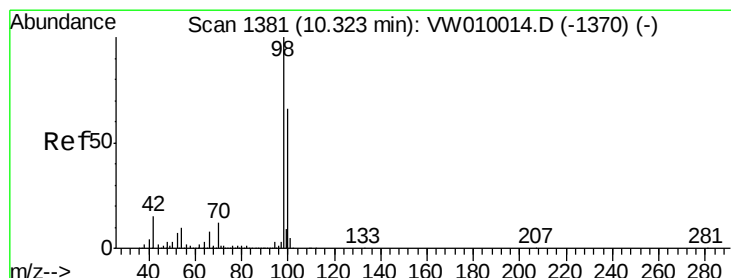
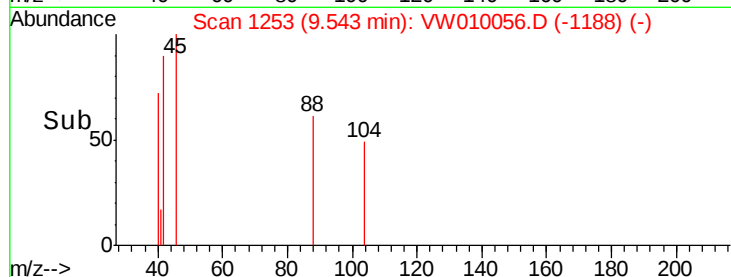
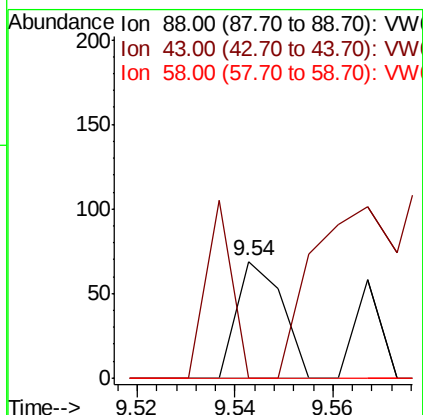
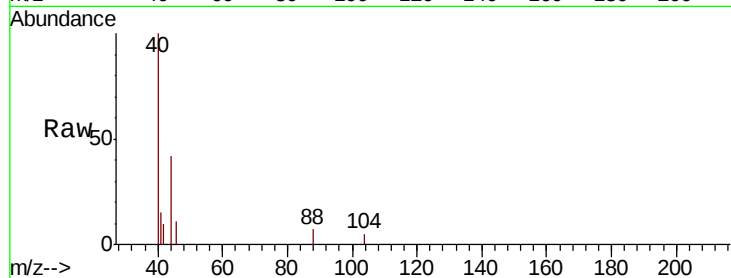




#49
1,4-Dioxane
Concen: 6.894 ug/l
RT: 9.54 min Scan# 1253
Delta R.T. 0.10 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

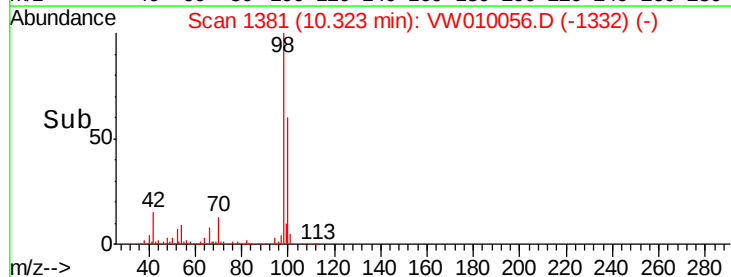
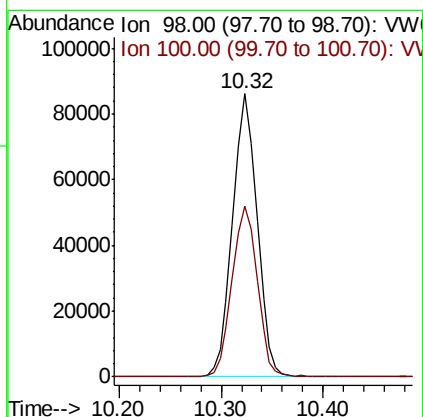
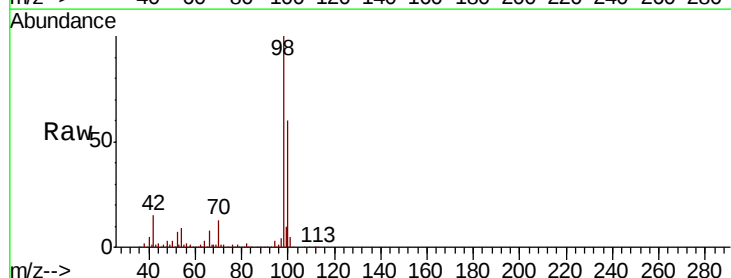
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-037-B

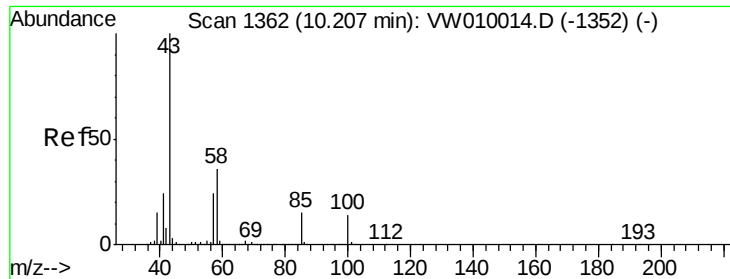
Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 84.4 31.9 47.9#
58 0.0 61.8 92.6#



#50
Toluene-d8
Concen: 53.882 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion: 98 Resp: 144110
Ion Ratio Lower Upper
98 100
100 61.9 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 1.208 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

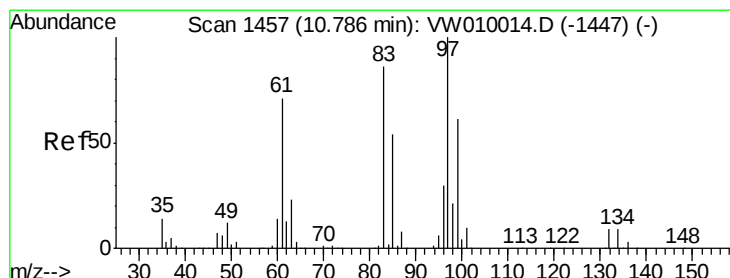
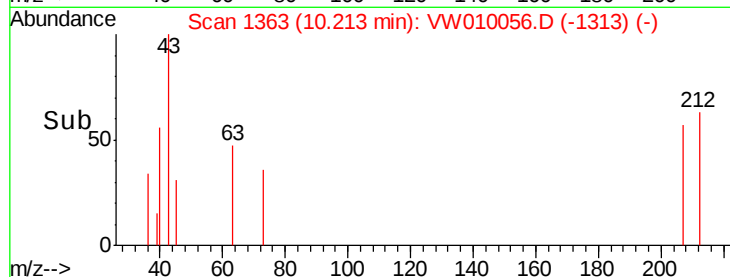
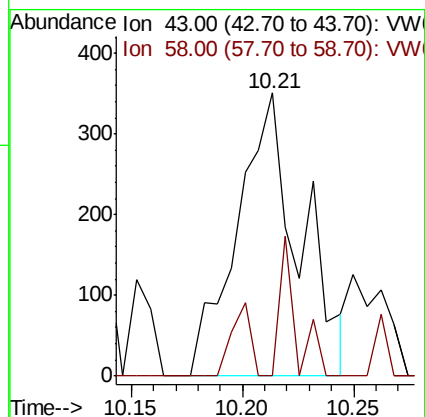
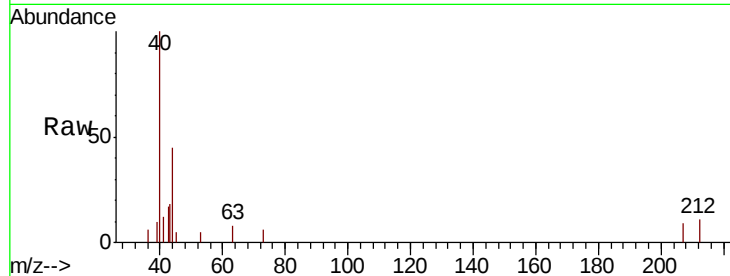
FK-GF-02-037-B

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 12.9 28.9 43.3#



#55

1,1,2-Trichloroethane

Concen: 1.530 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Tgt Ion: 97 Resp: 912

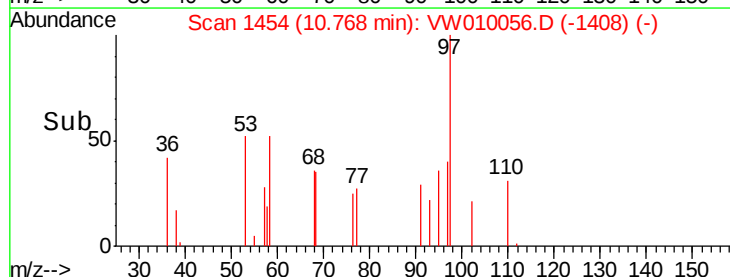
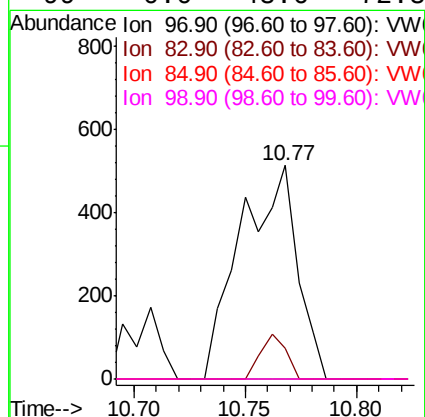
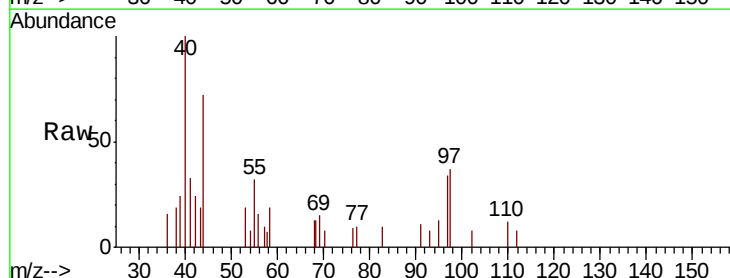
Ion Ratio Lower Upper

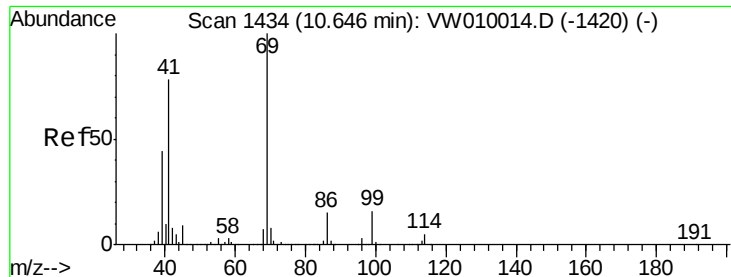
97 100

83 14.6 68.9 103.3#

85 0.0 42.9 64.3#

99 0.0 48.6 72.8#

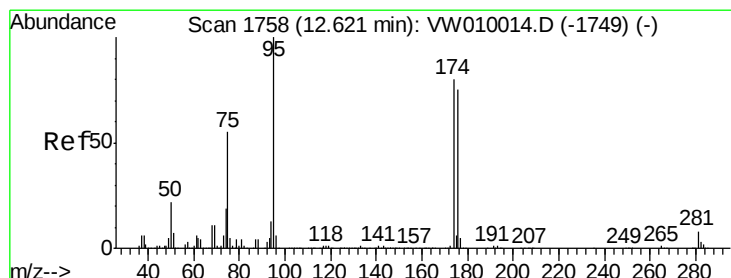
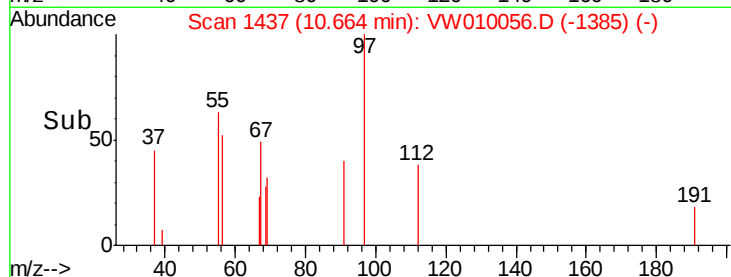
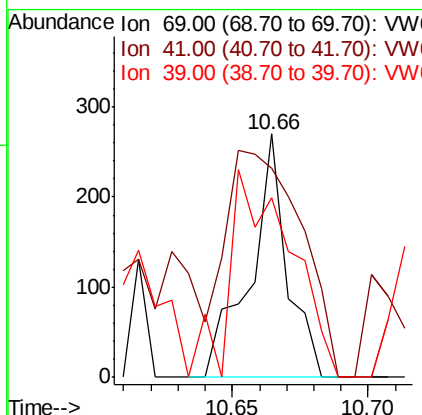
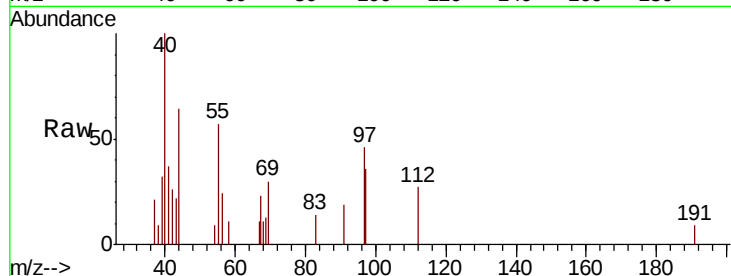




#56
Ethyl methacrylate
Concen: 2.931 ug/l
RT: 10.66 min Scan# 1437
Delta R.T. 0.02 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

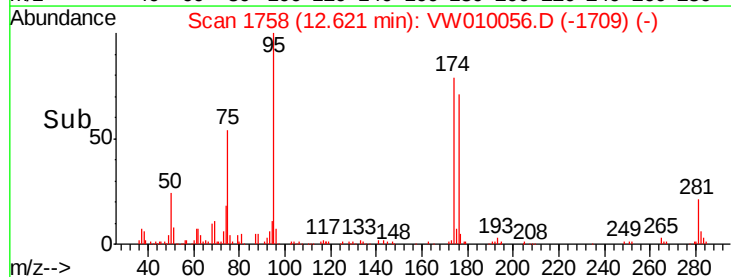
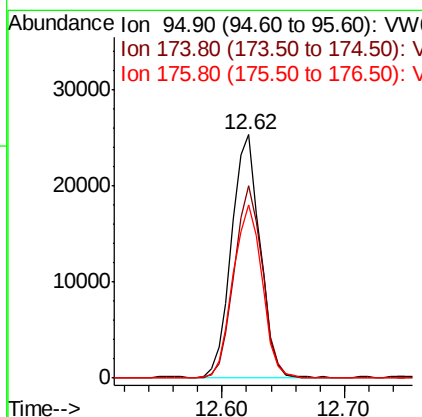
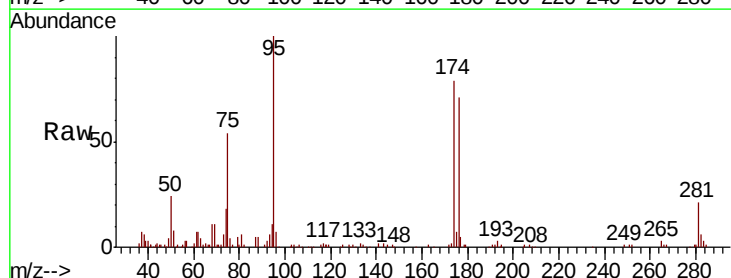
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-037-B

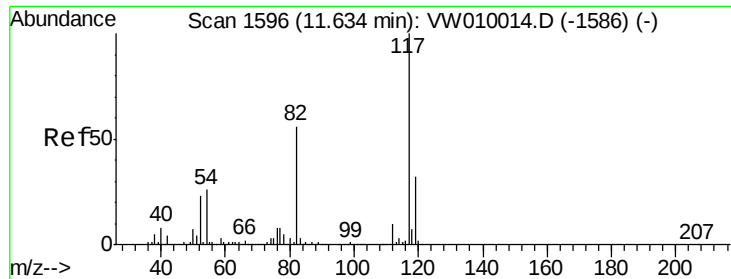
Tgt Ion: 69 Resp: 253
Ion Ratio Lower Upper
69 100
41 191.7 61.0 91.6#
39 142.7 33.8 50.6#



#62
4-Bromofluorobenzene
Concen: 42.176 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion: 95 Resp: 41003
Ion Ratio Lower Upper
95 100
174 77.9 0.0 151.4
176 72.2 0.0 146.2

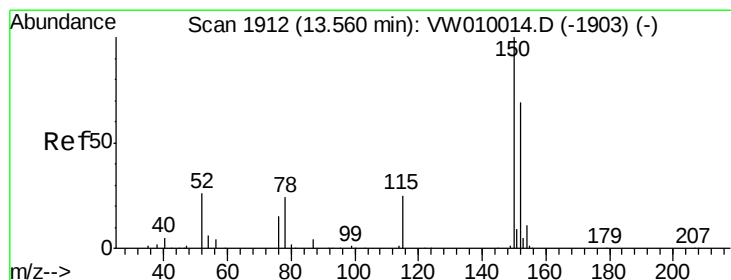
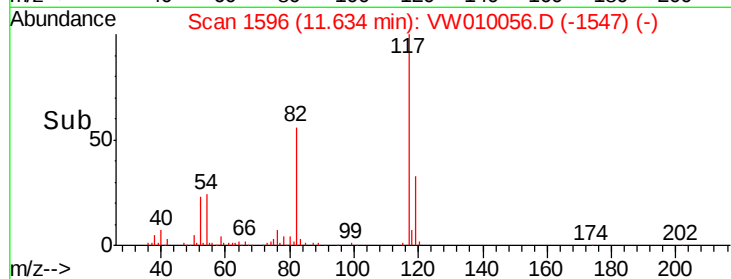
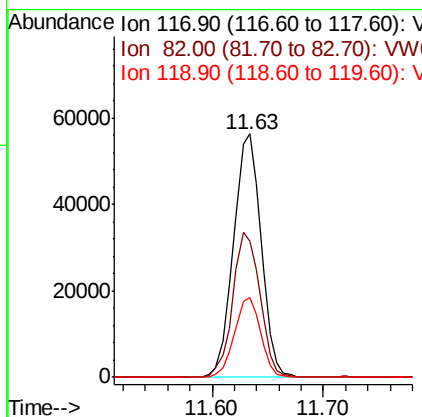
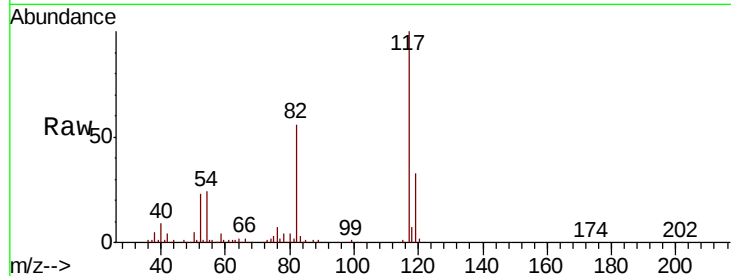




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

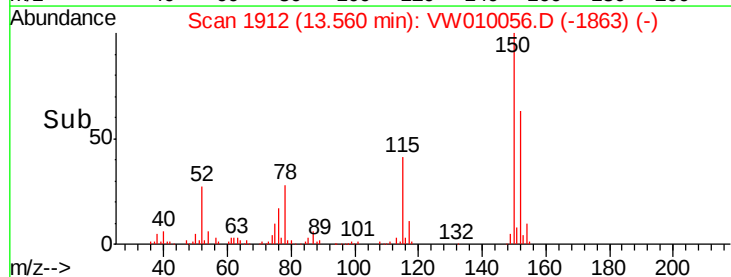
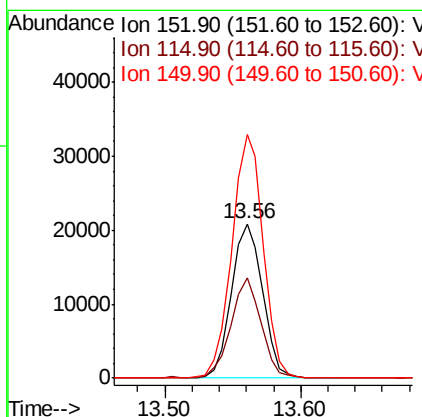
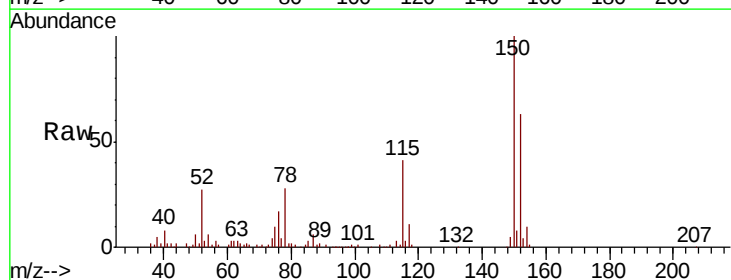
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-037-B

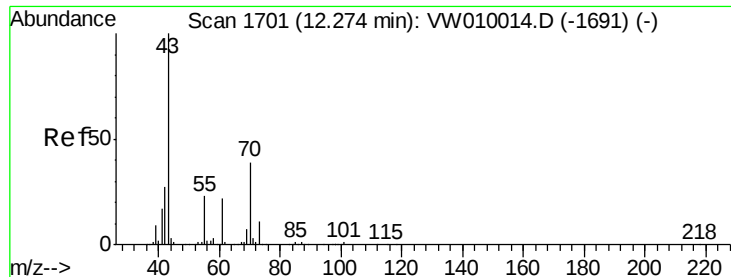
Tgt Ion:117 Resp: 97015
Ion Ratio Lower Upper
117 100
82 56.1 45.2 67.8
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion:152 Resp: 33224
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.2
150 157.6 0.0 347.0

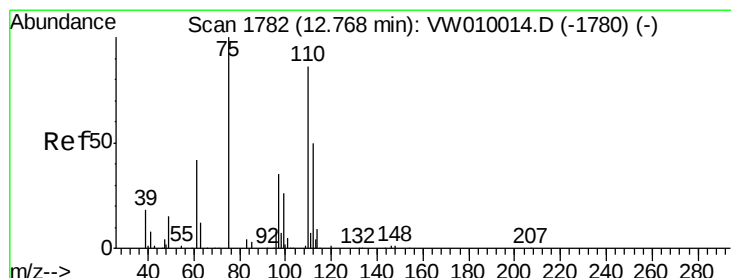
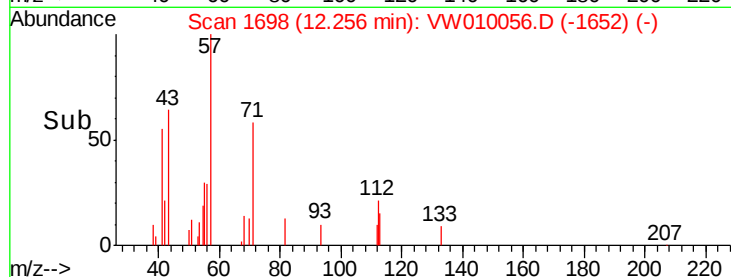
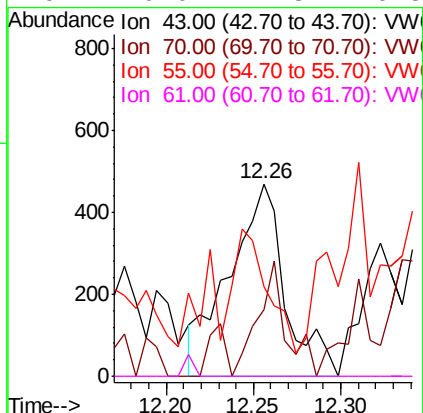
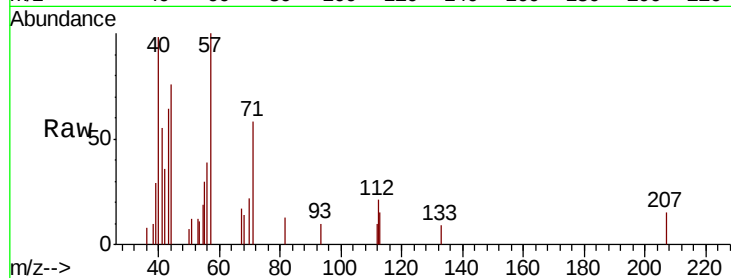




#74
N-ethyl acetate
Concen: 1.630 ug/l
RT: 12.26 min Scan# 1698
Delta R.T. -0.02 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

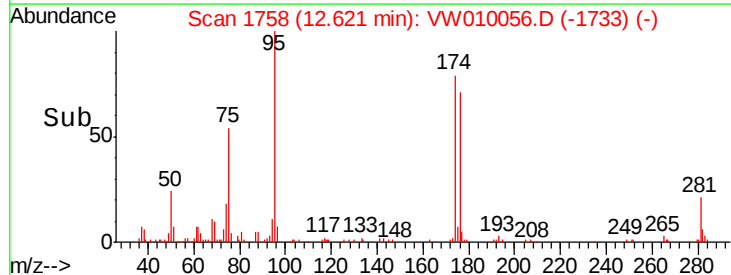
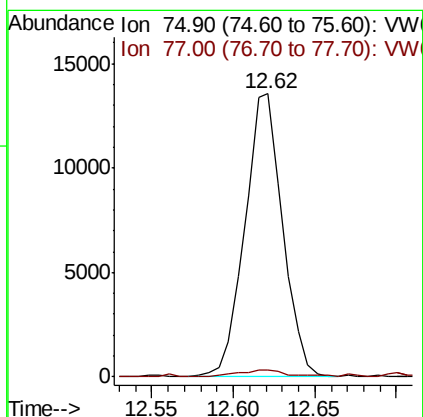
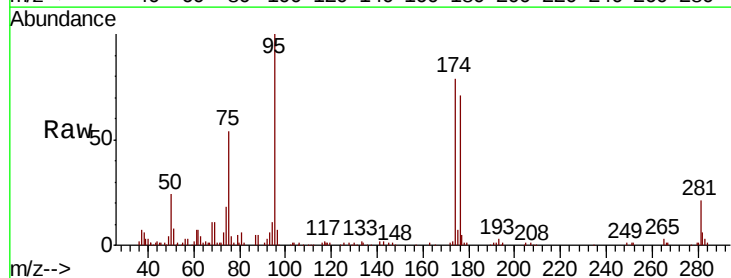
Instrument :
MSVOA_W
ClientSampled :
FK-GF-02-037-B

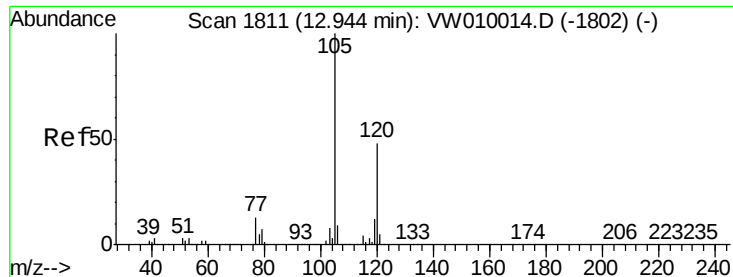
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
70 30.3 31.3 46.9#
55 39.3 20.0 30.0#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 65.734 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW010056.D
Acq: 18 Apr 2019 20:14

Tgt Ion: 75 Resp: 21858
Ion Ratio Lower Upper
75 100
77 2.9 0.0 0.0#

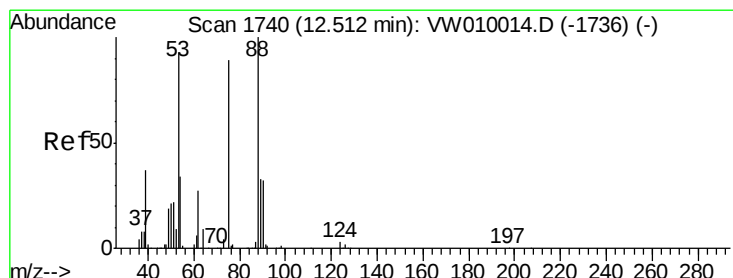
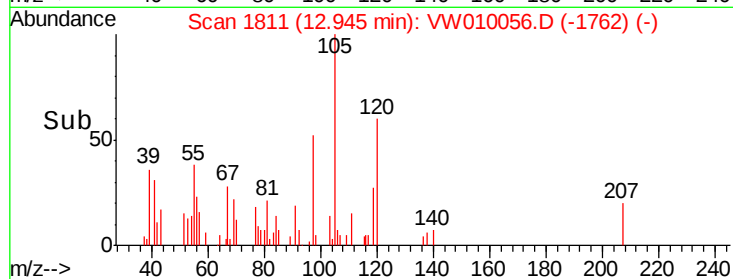
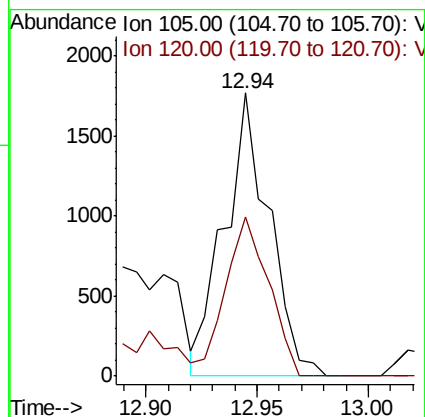
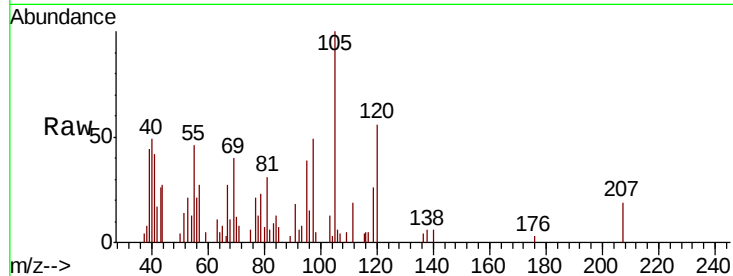




#80
 1,3,5-Trimethylbenzene
 Concen: 1.256 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

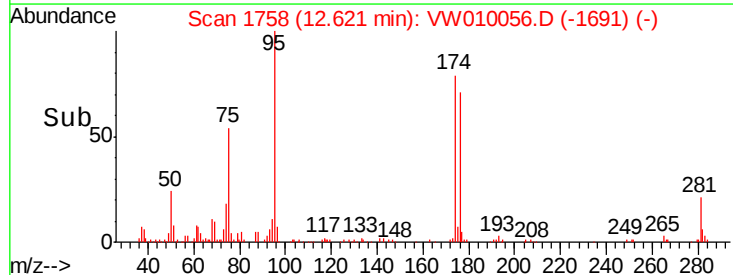
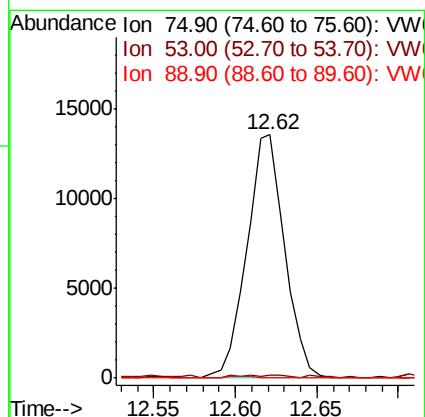
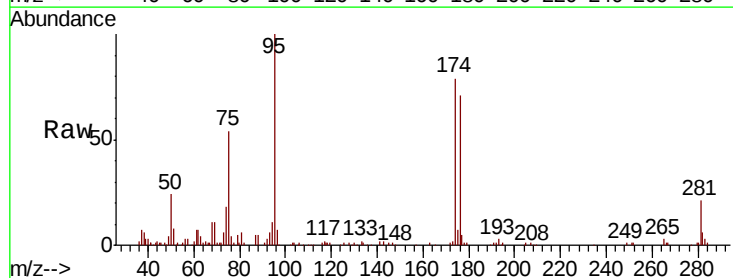
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-037-B

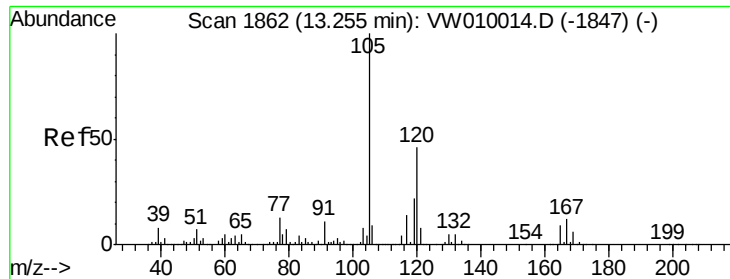
Tgt Ion: 105 Resp: 2462
 Ion Ratio Lower Upper
 105 100
 120 54.7 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.998 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

Tgt Ion: 75 Resp: 21858
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.8 134.8#
 89 0.0 36.6 54.8#

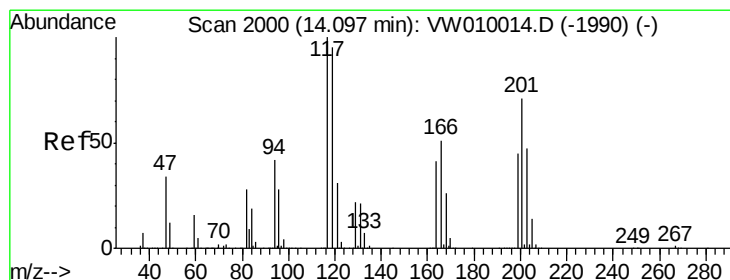
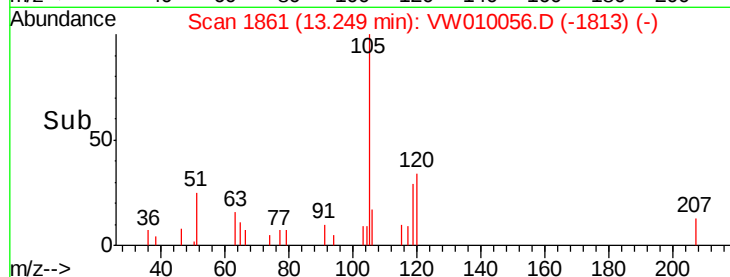
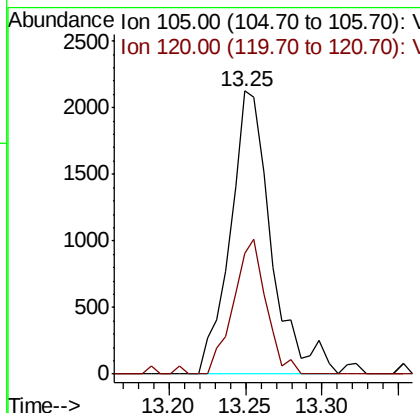
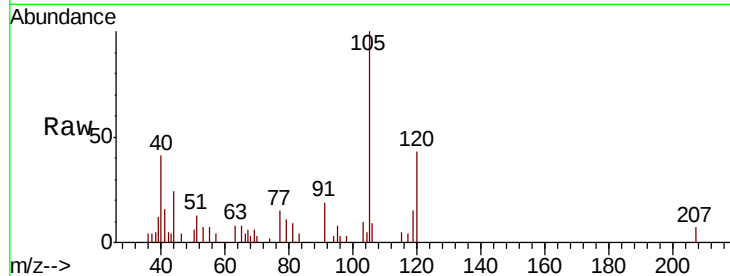




#84
 1,2,4-Trimethylbenzene
 Concen: 1.981 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

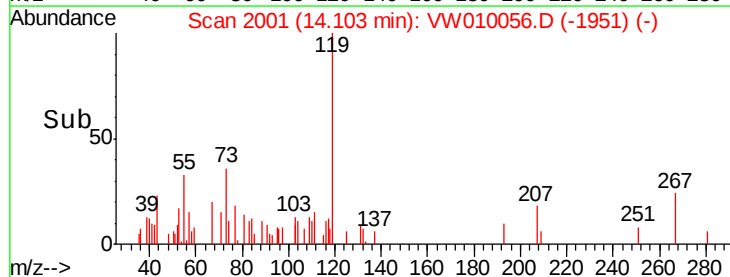
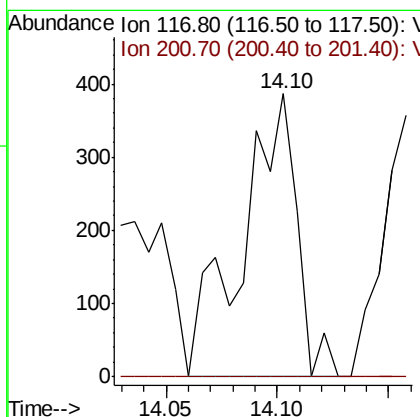
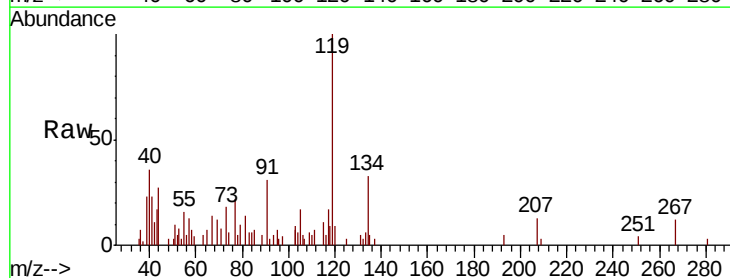
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-037-B

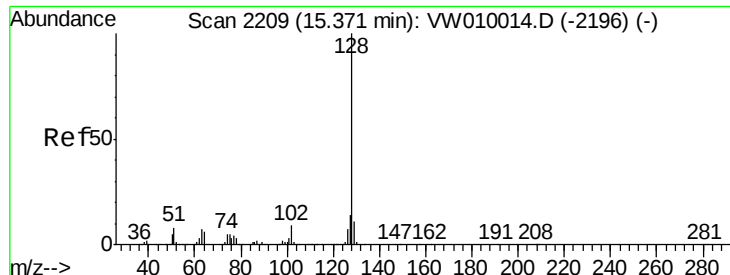
Tgt Ion:105 Resp: 3937
 Ion Ratio Lower Upper
 105 100
 120 38.2 22.6 67.7



#90
 Hexachloroethane
 Concen: 1.626 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW010056.D
 Acq: 18 Apr 2019 20:14

Tgt Ion:117 Resp: 666
 Ion Ratio Lower Upper
 117 100
 201 0.0 36.1 108.3#





#95

Naphthalene

Concen: 3.729 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010056.D

Acq: 18 Apr 2019 20:14

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-037-B

Tgt Ion:128 Resp: 1452

Ion Ratio Lower Upper

128 100

127 5.0 10.6 15.8#

129 9.7 8.7 13.1

