

Data File : VW010696.D
Acq On : 05 Jun 2019 17:00
Operator : SY/VA
Sample : K3172-04
Misc : 3.81G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FK-SF-01-005-B

Quant Time: Jun 06 07:29:44 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	210778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149334	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
35) Dibromofluoromethane	7.88	113	54682	26.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.92%	
50) Toluene-d8	10.32	98	465955	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	147281	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

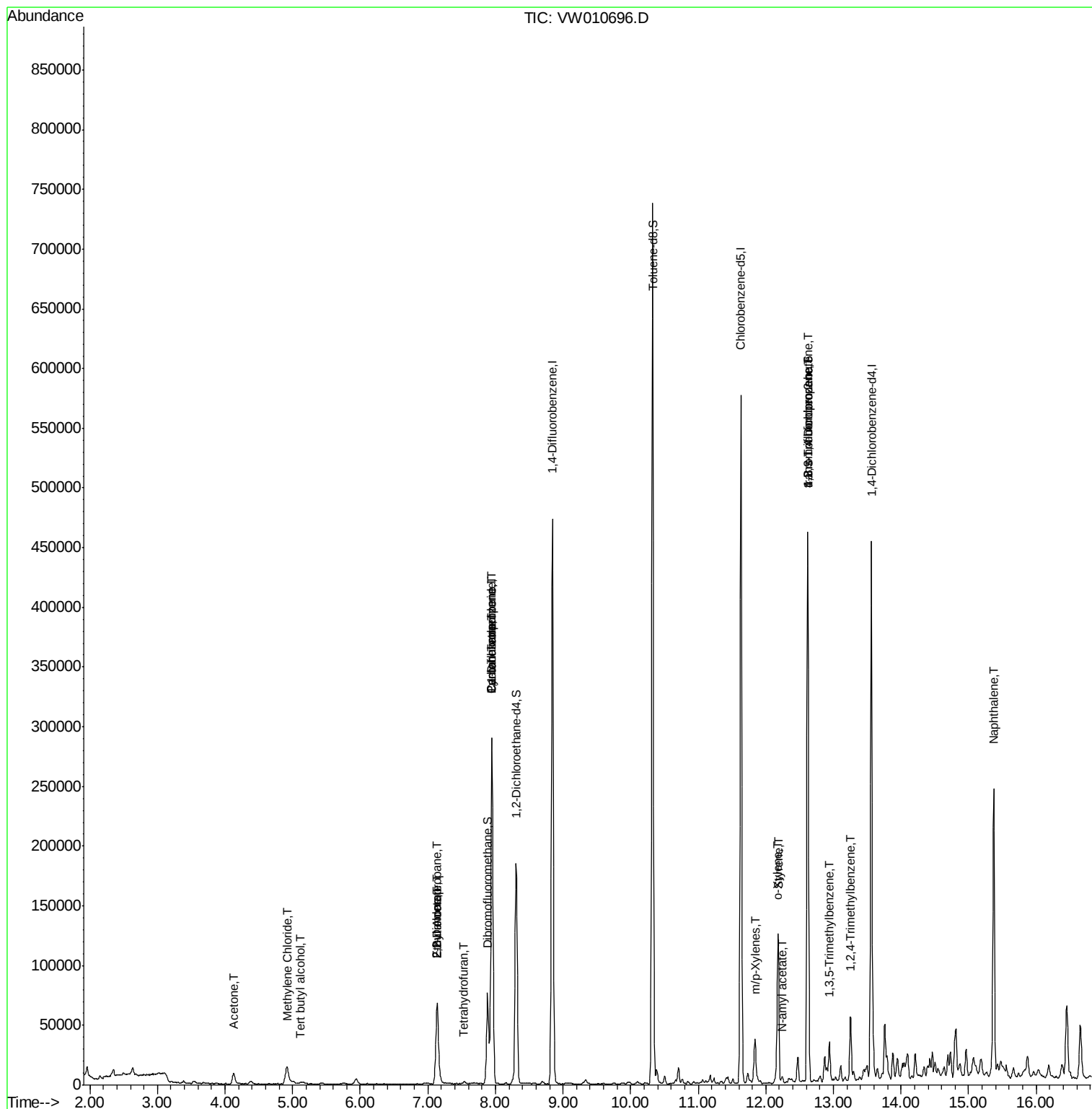
						Qvalue
11) Tert butyl alcohol	5.12	59	981	4.847	ug/l #	72
16) Acetone	4.12	43	17971	26.996	ug/l	95
20) Methylene Chloride	4.92	84	9894	4.237	ug/l	98
25) 2-Butanone	7.14	43	3665	3.970	ug/l #	71
26) 2,2-Dichloropropane	7.13	77	4347	1.185	ug/l #	55
29) Tetrahydrofuran	7.53	42	1524	2.625	ug/l #	86
31) Cyclohexane	7.95	56	5741	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18747	4.902	ug/l #	51
37) Ethyl Acetate	7.14	43	3665	1.729	ug/l #	1
38) Carbon Tetrachloride	7.95	117	20756	6.287	ug/l #	18
68) m/p-Xylenes	11.84	106	8064	1.973	ug/l	96
69) o-Xylene	12.17	106	4975	1.284	ug/l	97
70) Styrene	12.18	104	53627	7.965	ug/l	92
74) N-amyl acetate	12.24	43	3674	1.388	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	78816	68.864	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.94	105	9700	1.447	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	78816	158.273	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.25	105	28875	4.280	ug/l	97
95) Naphthalene	15.37	128	193494	48.949	ug/l	100

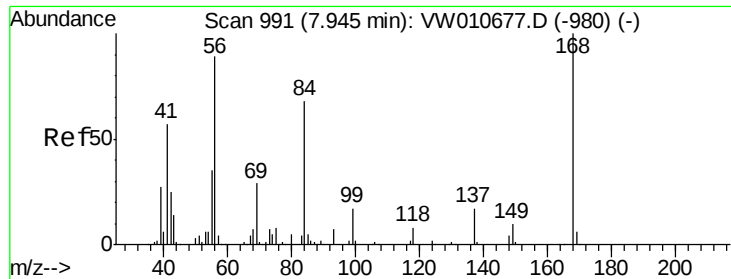
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

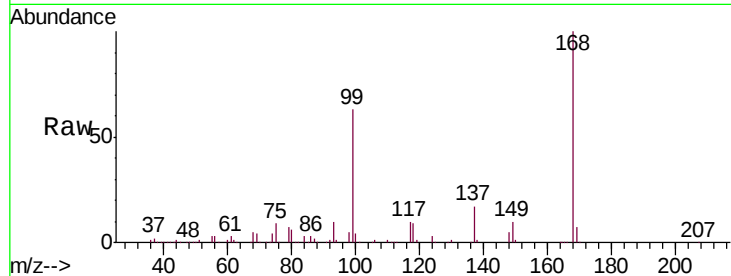
FK-SF-01-005-B

Tgt Ion:168 Resp: 210778

Ion Ratio Lower Upper

168 100

99 63.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

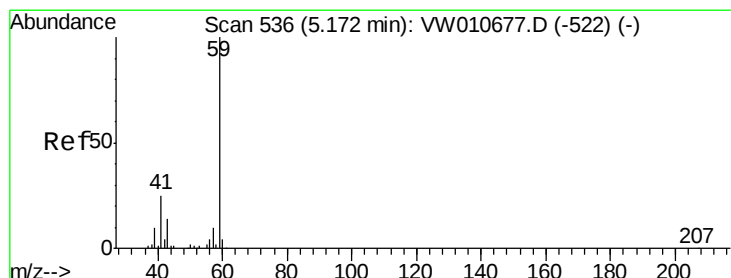
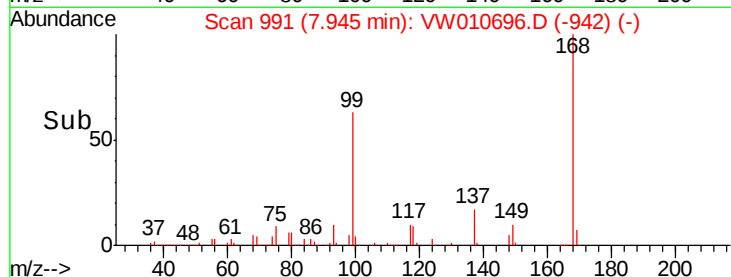
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.847 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: VW010696.D

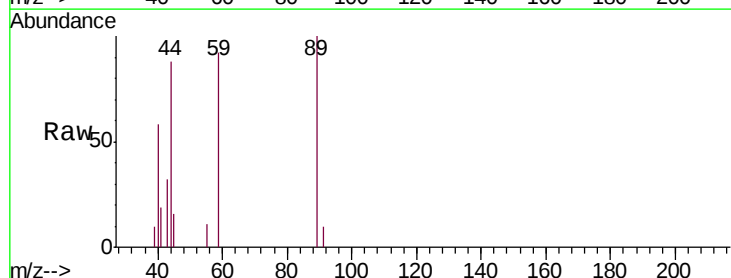
Acq: 05 Jun 2019 17:00

Tgt Ion: 59 Resp: 981

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

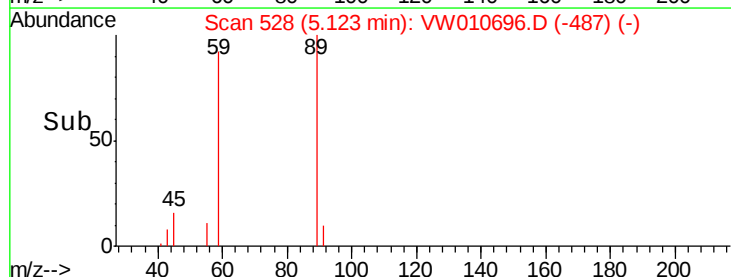
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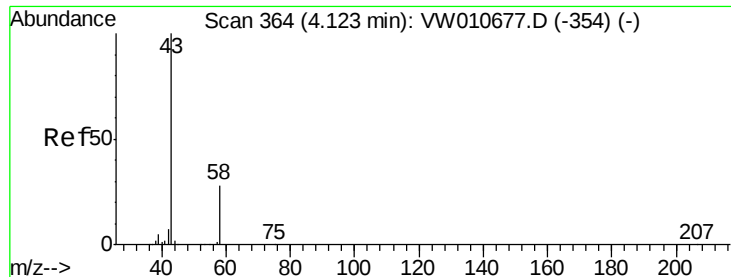
400

200

0

Time-->





#16

Acetone

Concen: 26.996 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

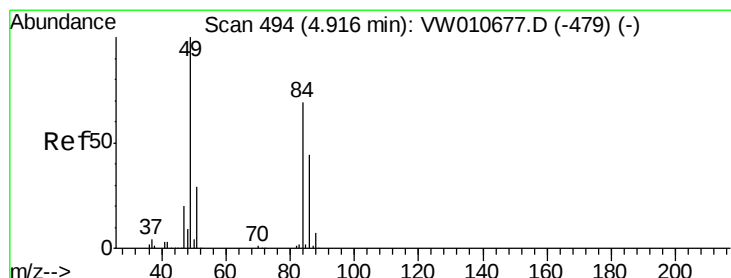
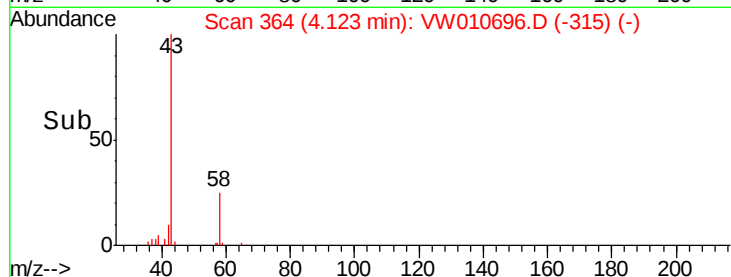
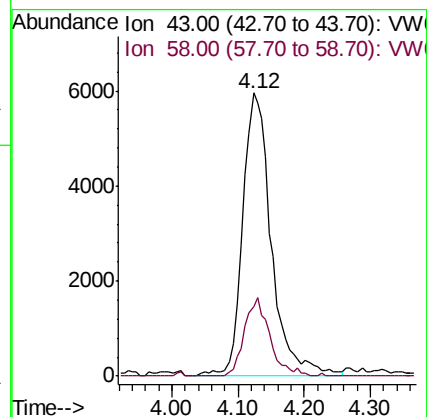
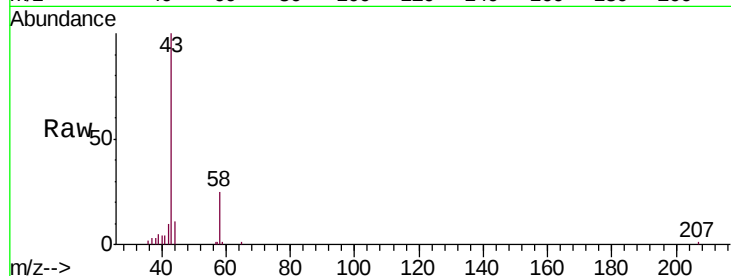
FK-SF-01-005-B

Tgt Ion: 43 Resp: 17971

Ion Ratio Lower Upper

43 100

58 24.8 22.1 33.1



#20

Methylene Chloride

Concen: 4.237 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Tgt Ion: 84 Resp: 9894

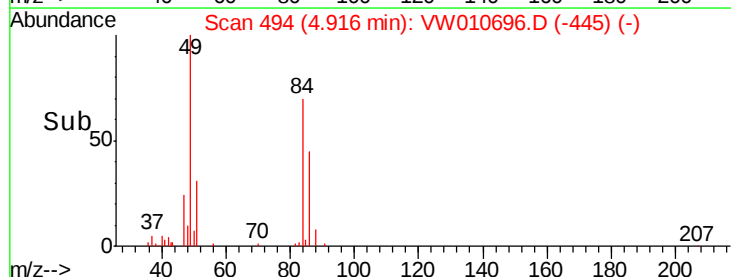
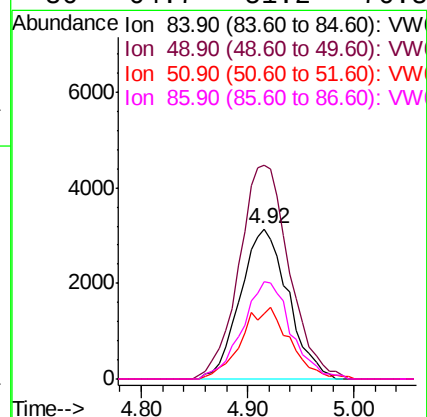
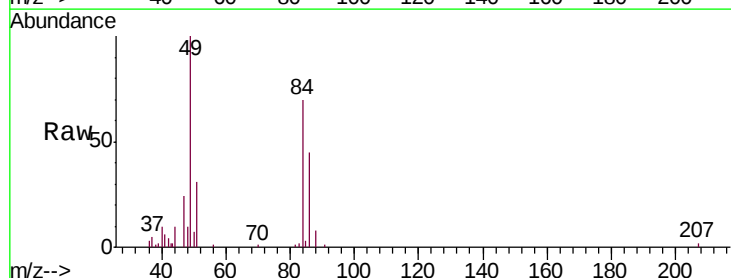
Ion Ratio Lower Upper

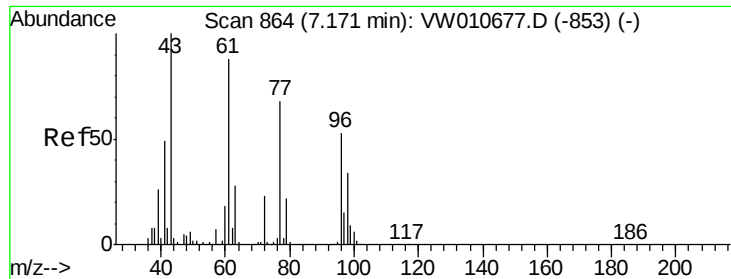
84 100

49 142.4 116.7 175.1

51 43.8 34.2 51.2

86 64.7 51.2 76.8





#25

2-Butanone

Concen: 3.970 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

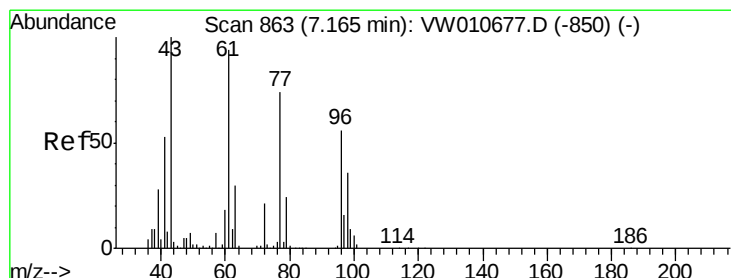
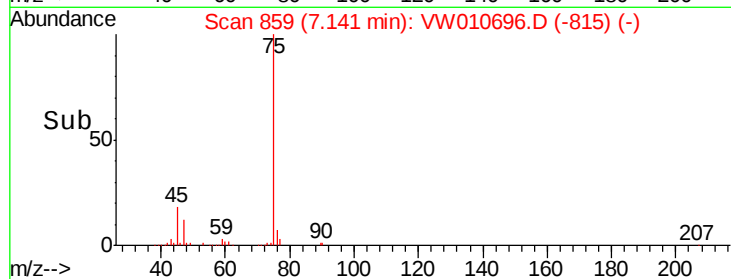
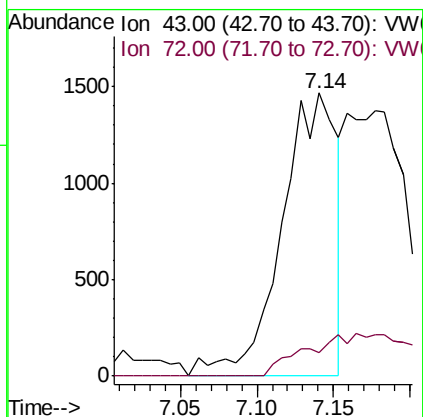
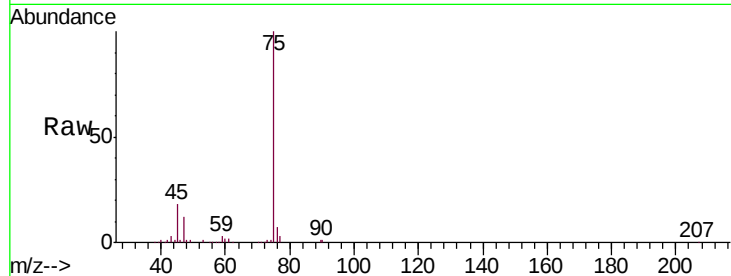
FK-SF-01-005-B

Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

43 100

72 8.5 18.1 27.1#



#26

2,2-Dichloropropane

Concen: 1.185 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW010696.D

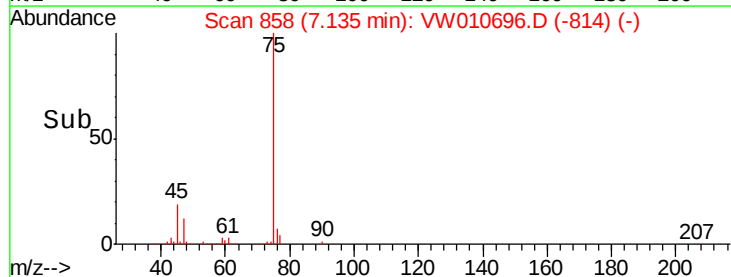
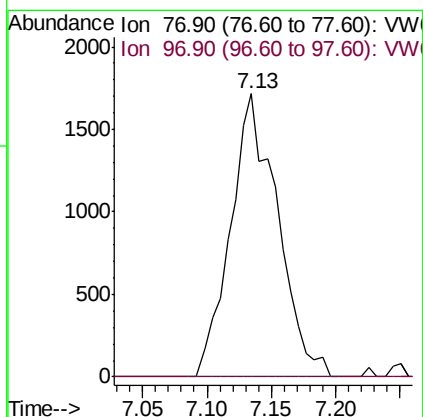
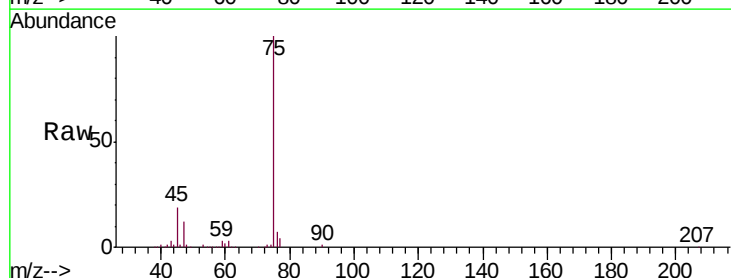
Acq: 05 Jun 2019 17:00

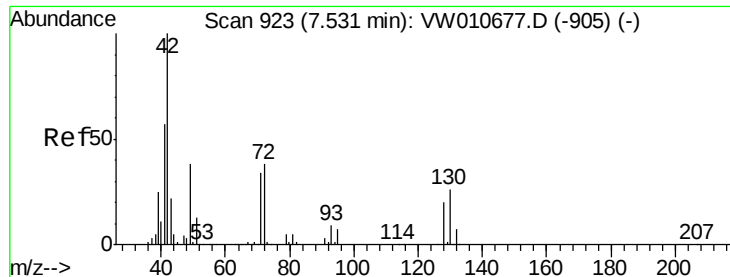
Tgt Ion: 77 Resp: 4347

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#

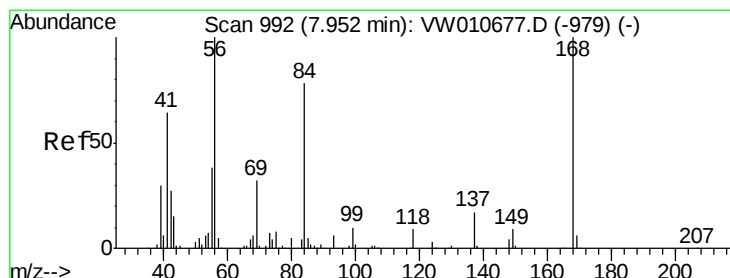
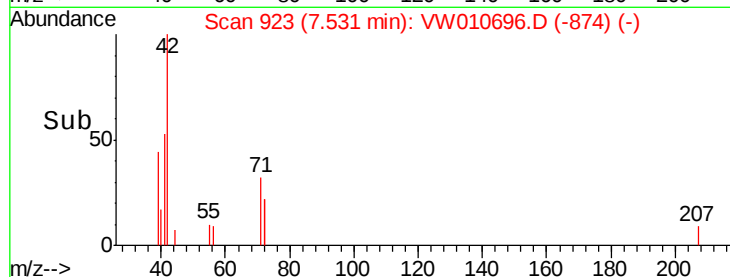
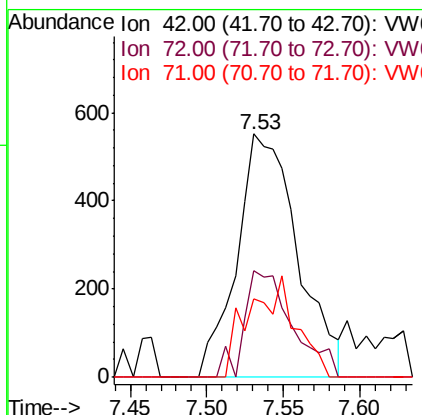
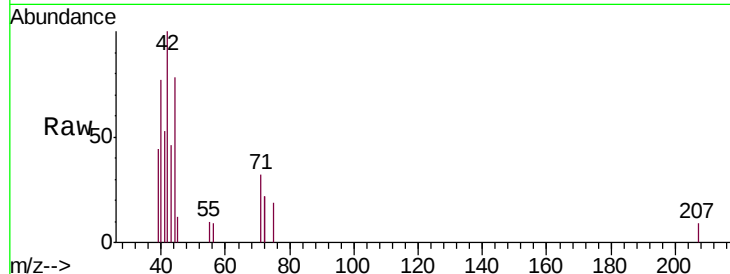




#29
Tetrahydrofuran
Concen: 2.625 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

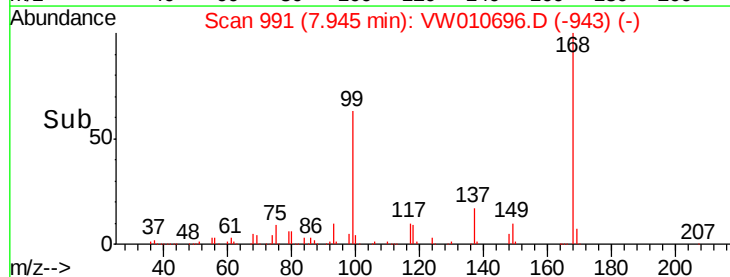
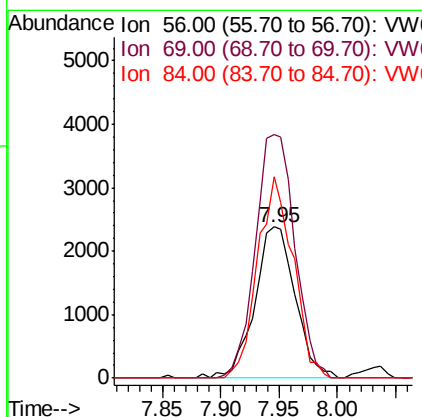
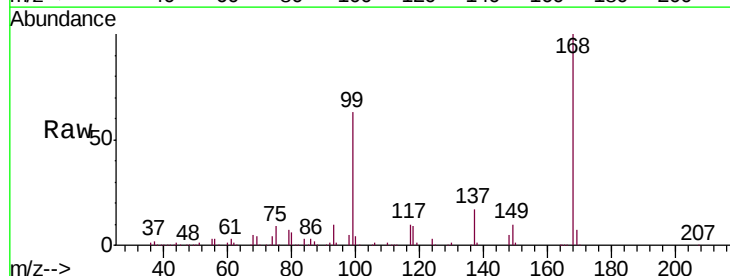
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-01-005-B

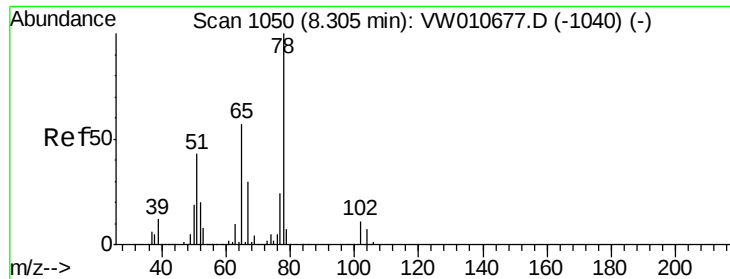
Tgt Ion: 42 Resp: 1524
Ion Ratio Lower Upper
42 100
72 34.7 28.7 43.1
71 18.1 26.6 39.8#



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

Tgt Ion: 56 Resp: 5741
Ion Ratio Lower Upper
56 100
69 161.0 25.2 37.8#
84 133.0 62.2 93.2#

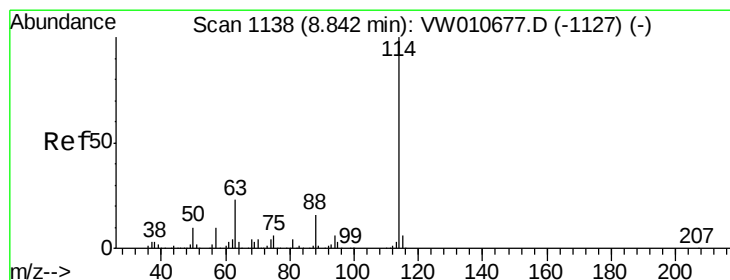
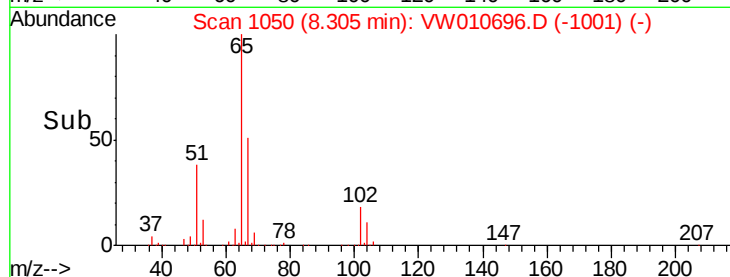
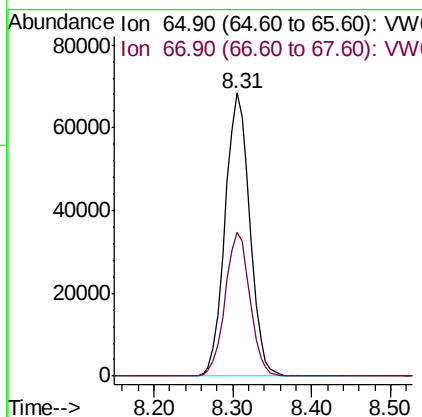
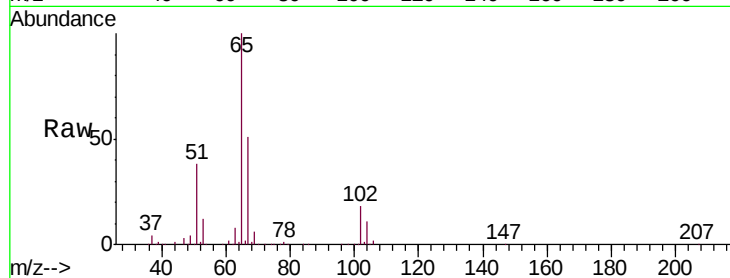




#33
 1,2-Dichloroethane-d4
 Concen: 60.109 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

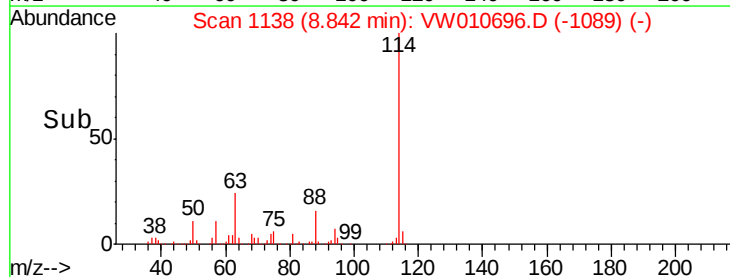
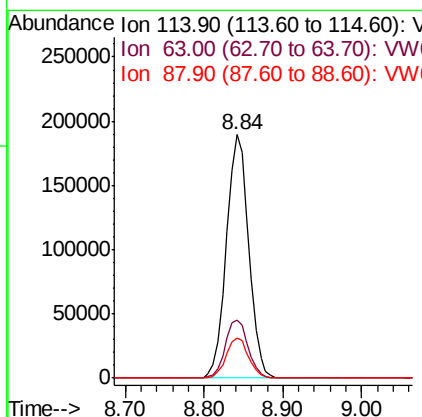
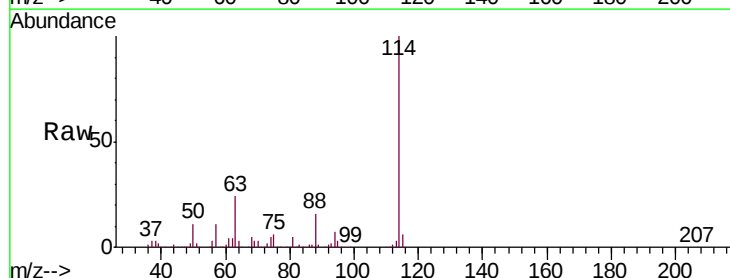
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-01-005-B

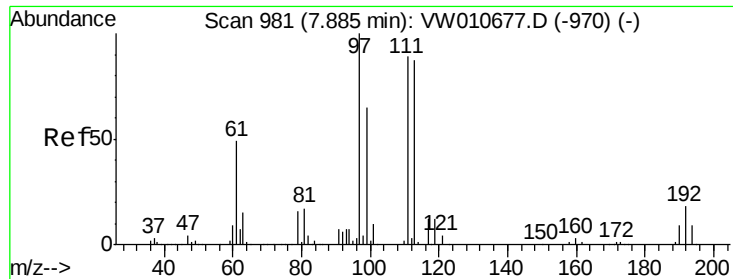
Tgt Ion: 65 Resp: 149334
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

Tgt Ion: 114 Resp: 373616
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.4
 88 16.3 0.0 32.2

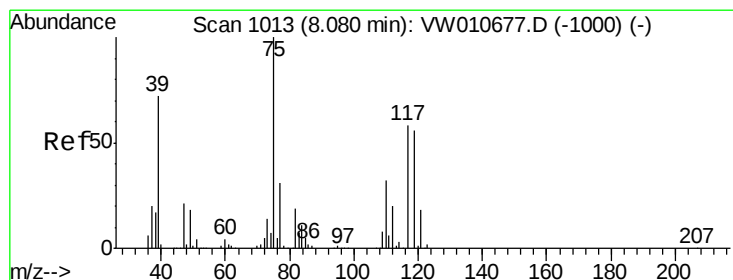
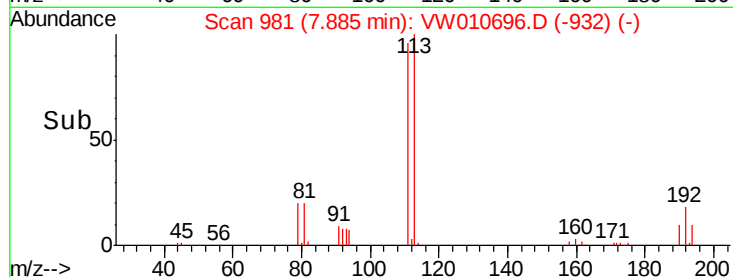
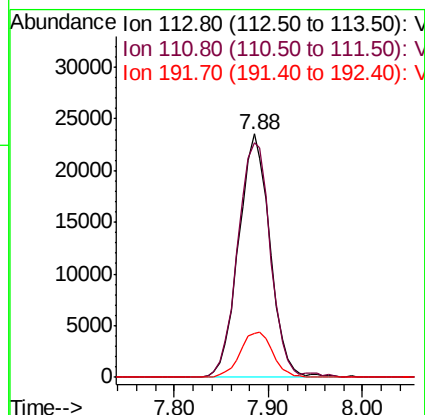
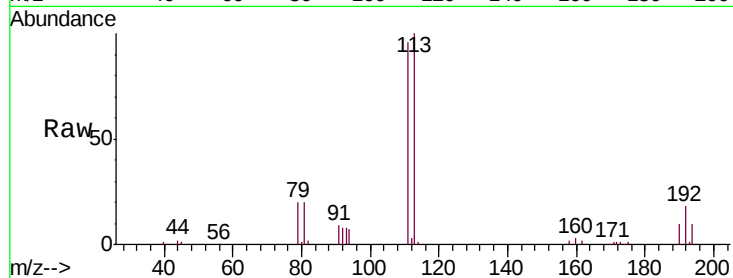




#35
 Dibromofluoromethane
 Concen: 26.965 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

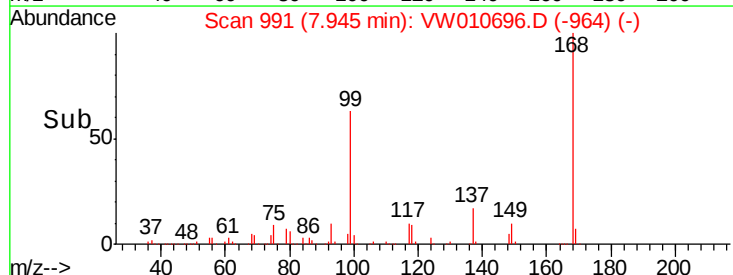
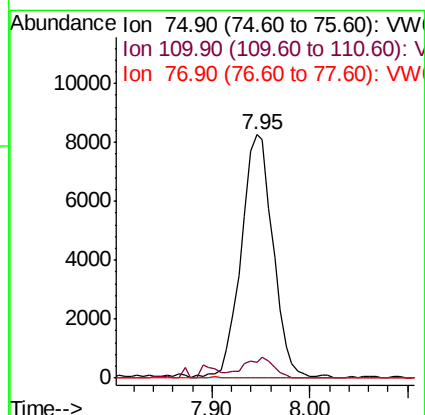
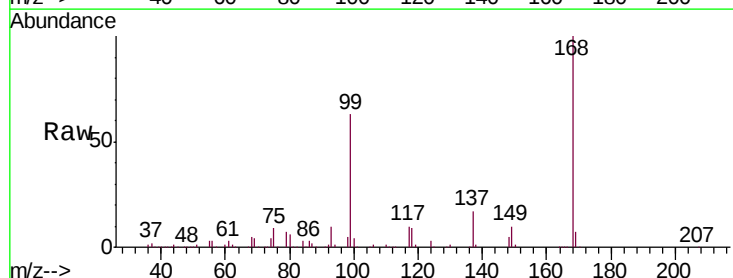
Instrument :
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 ClientSampleId :
 FK-SF-01-005-B

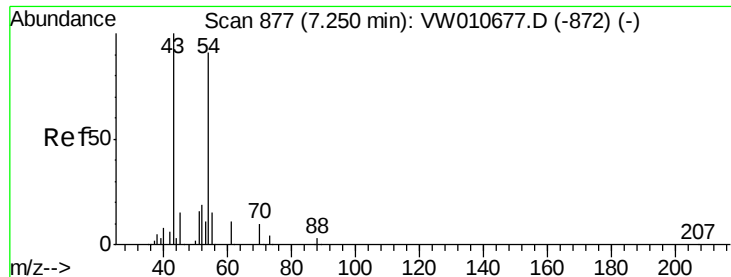
Tgt Ion:113 Resp: 54682
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.6 123.8
 192 19.3 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 4.902 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

Tgt Ion: 75 Resp: 18747
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.8 47.3#
 77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.729 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.11 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-01-005-B

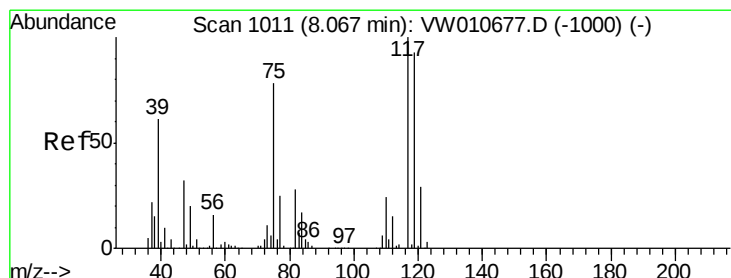
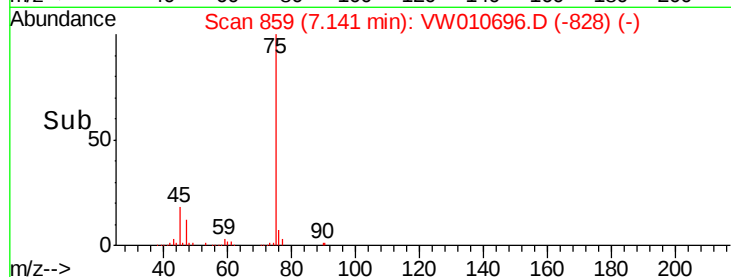
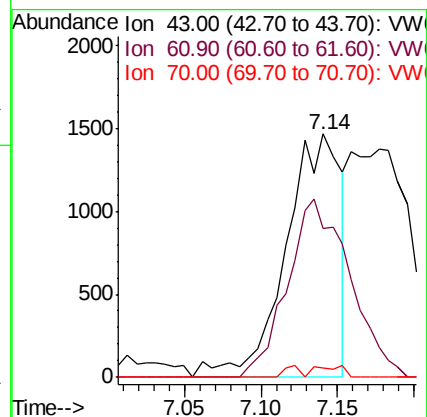
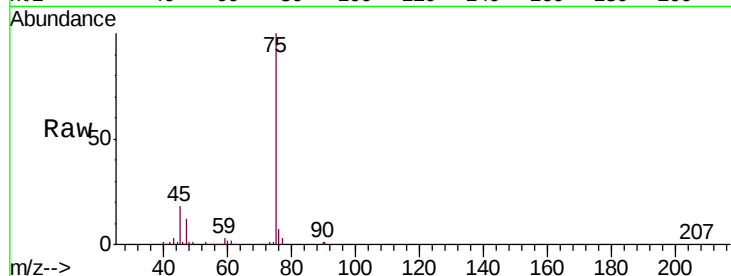
Tgt Ion: 43 Resp: 3665

Ion Ratio Lower Upper

43 100

61 83.0 9.7 14.5#

70 2.5 7.2 10.8#



#38

Carbon Tetrachloride

Concen: 6.287 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

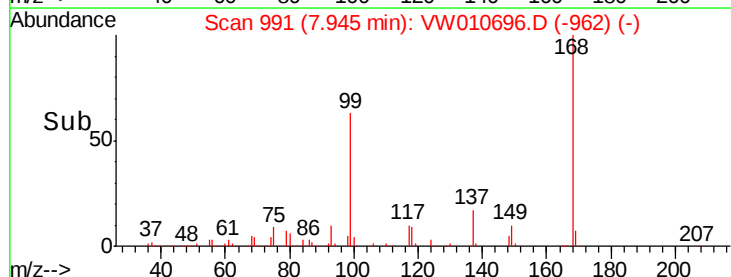
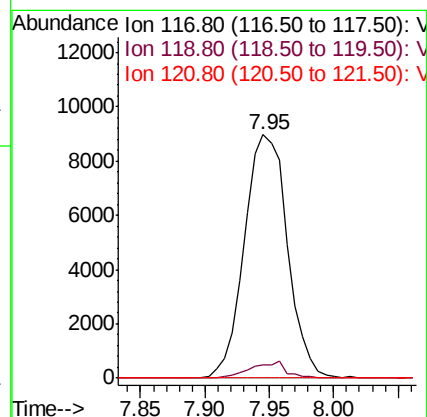
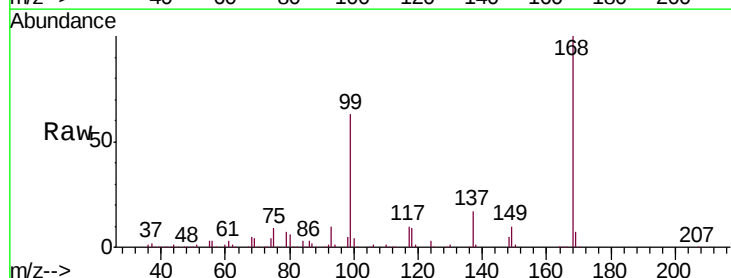
Tgt Ion: 117 Resp: 20756

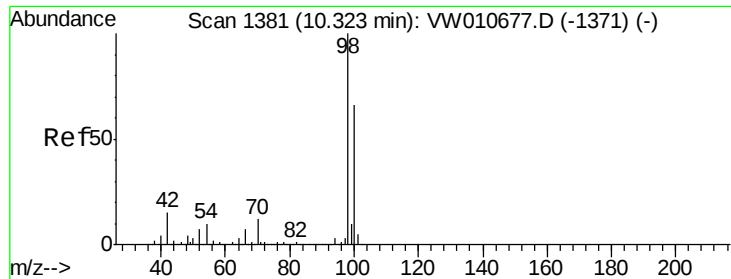
Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.4#

121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 52.398 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

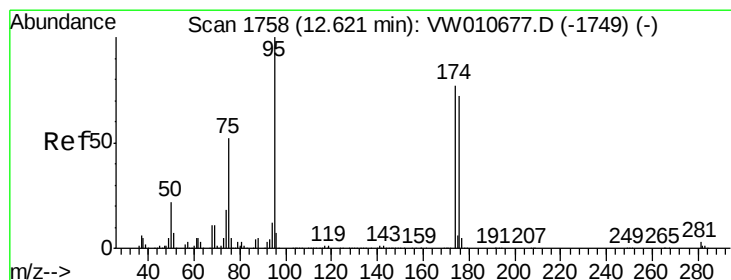
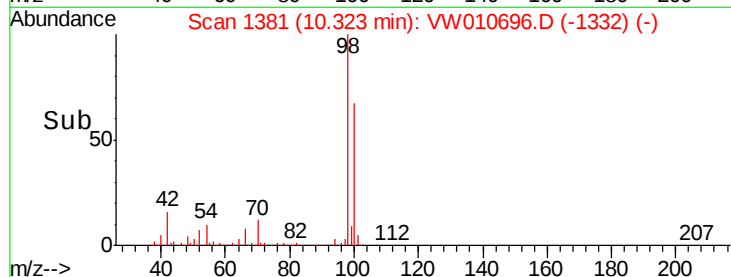
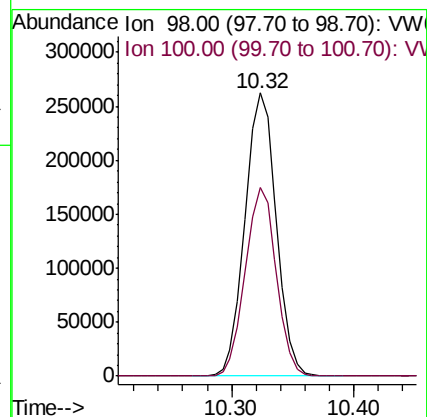
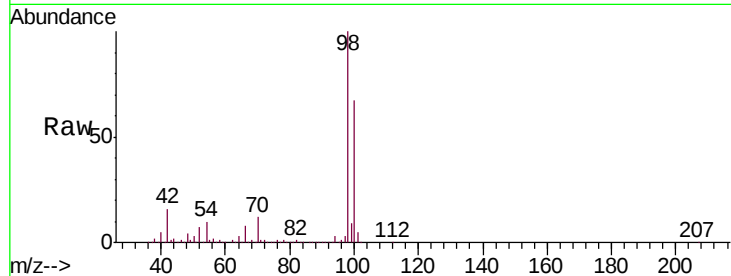
FK-SF-01-005-B

Tgt Ion: 98 Resp: 465955

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 45.515 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

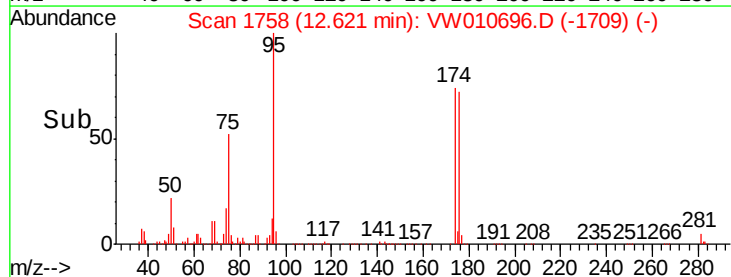
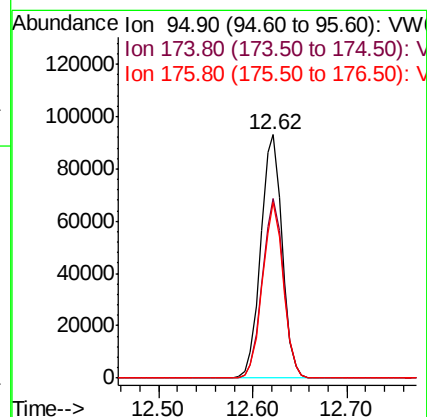
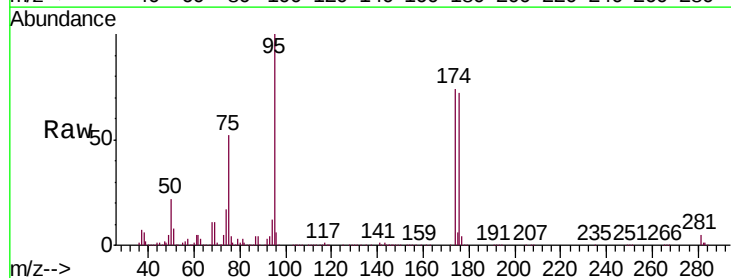
Tgt Ion: 95 Resp: 147281

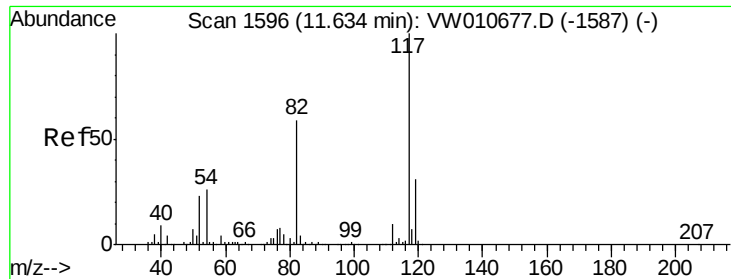
Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.4

176 70.9 0.0 144.8

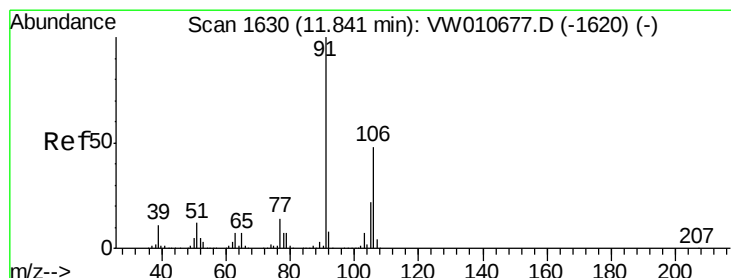
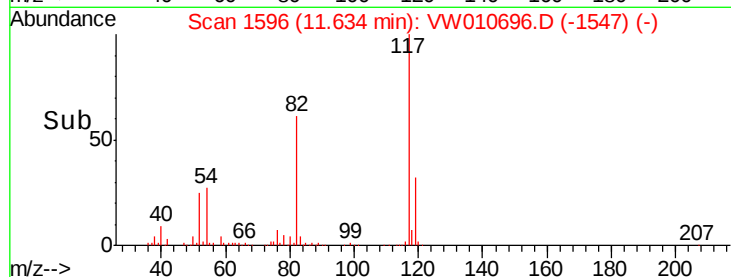
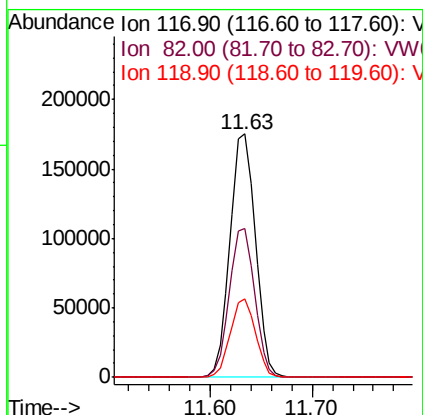
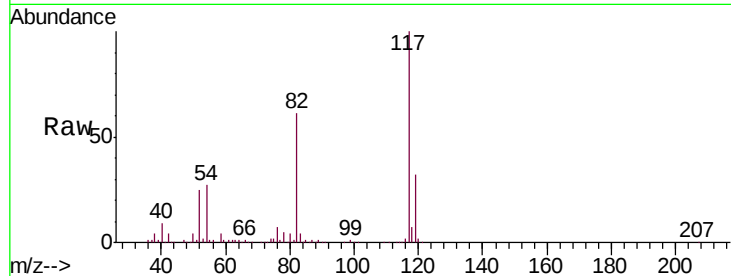




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

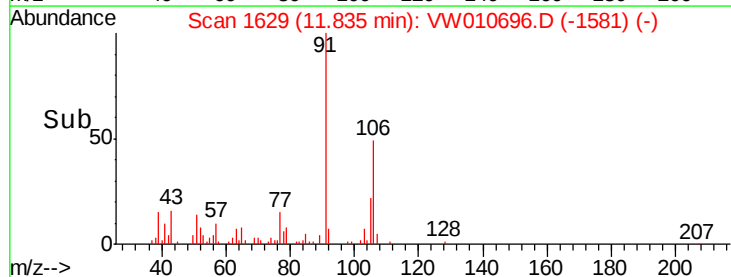
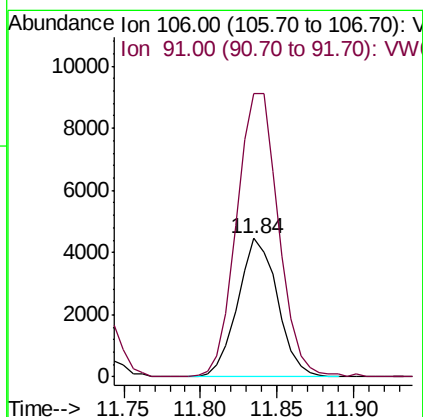
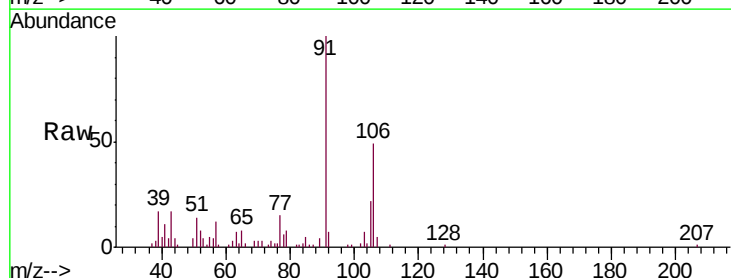
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-01-005-B

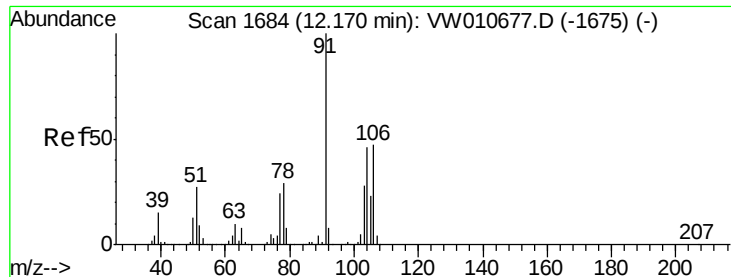
Tgt Ion:117 Resp: 302076
Ion Ratio Lower Upper
117 100
82 61.1 47.0 70.4
119 32.5 25.1 37.7



#68
m/p-Xylenes
Concen: 1.973 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

Tgt Ion:106 Resp: 8064
Ion Ratio Lower Upper
106 100
91 215.0 166.5 249.7

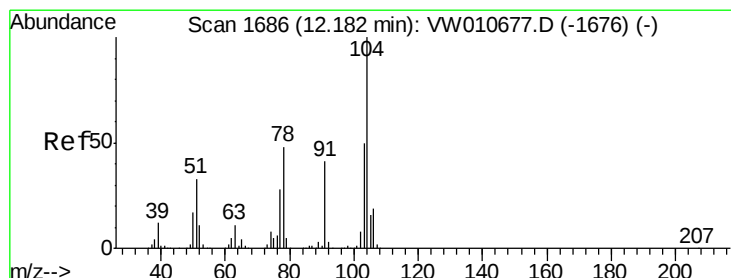
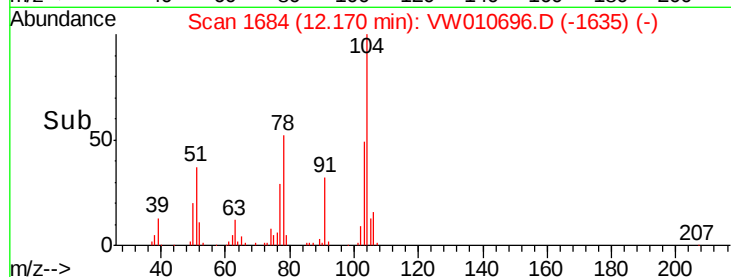
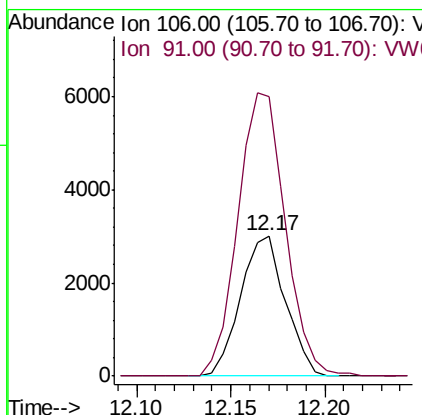
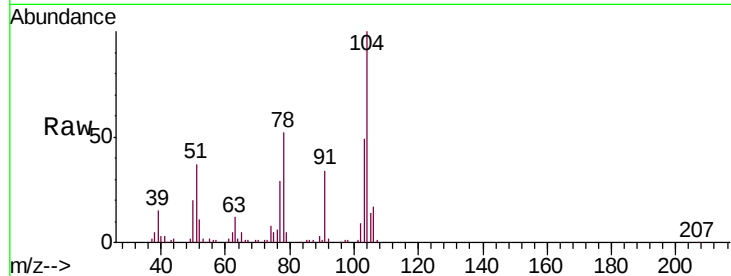




#69
o-Xylene
Concen: 1.284 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

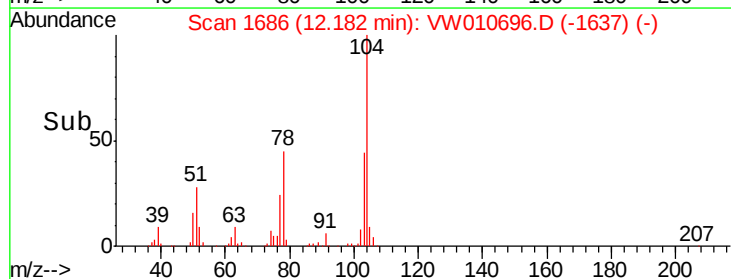
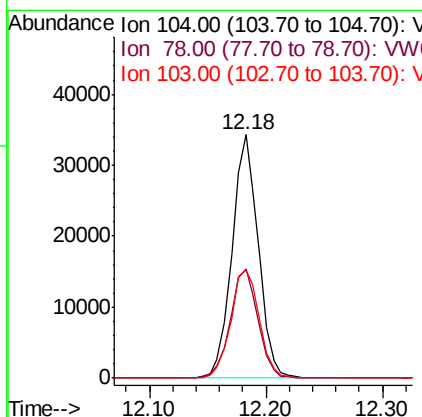
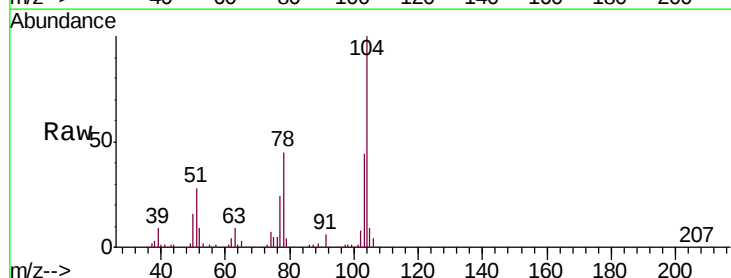
Instrument :
MSVOA_W
ClientSampleId :
FK-SF-01-005-B

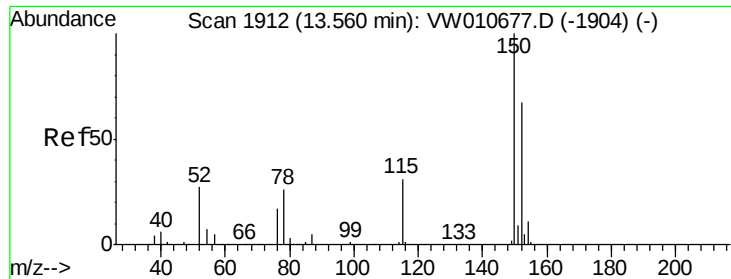
Tgt Ion:106 Resp: 4975
Ion Ratio Lower Upper
106 100
91 212.9 108.9 326.6



#70
Styrene
Concen: 7.965 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010696.D
Acq: 05 Jun 2019 17:00

Tgt Ion:104 Resp: 53627
Ion Ratio Lower Upper
104 100
78 47.2 42.7 64.1
103 48.5 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-01-005-B

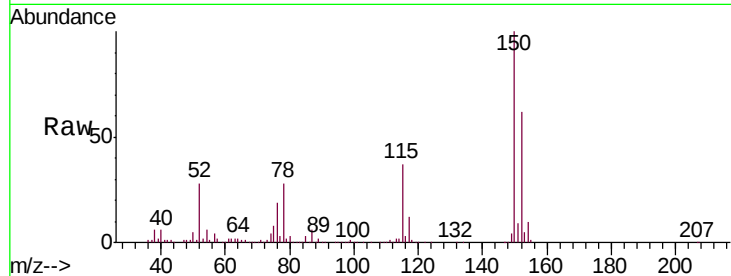
Tgt Ion:152 Resp: 108987

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

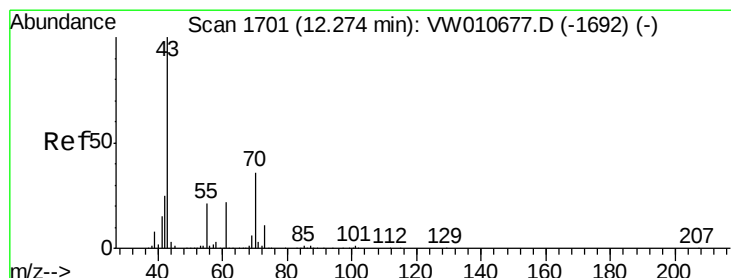
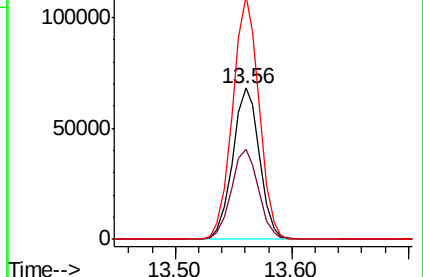
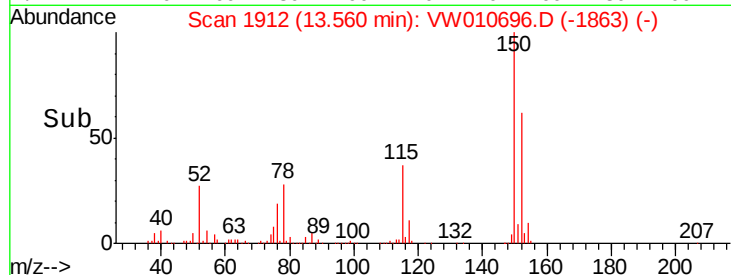
150 158.3 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.388 ug/l

RT: 12.24 min Scan# 1695

Delta R.T. -0.04 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Tgt Ion: 43 Resp: 3674

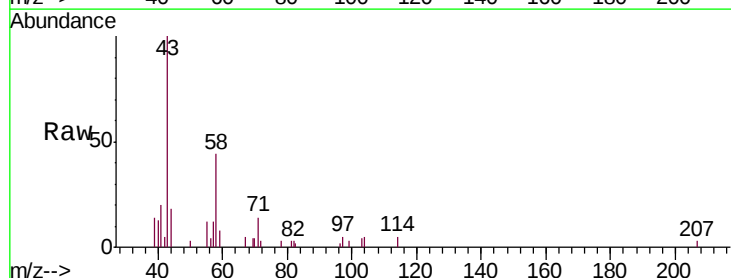
Ion Ratio Lower Upper

43 100

70 1.4 29.2 43.8#

55 13.8 17.5 26.3#

61 0.0 17.4 26.2#

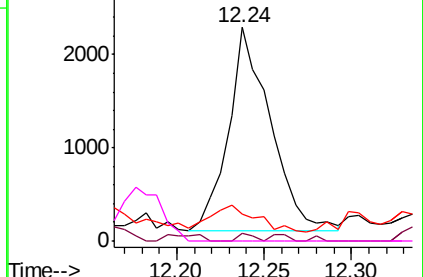
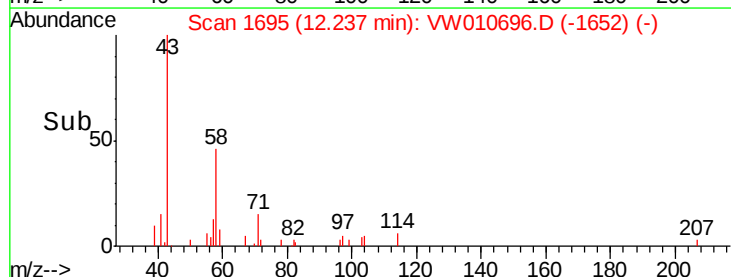


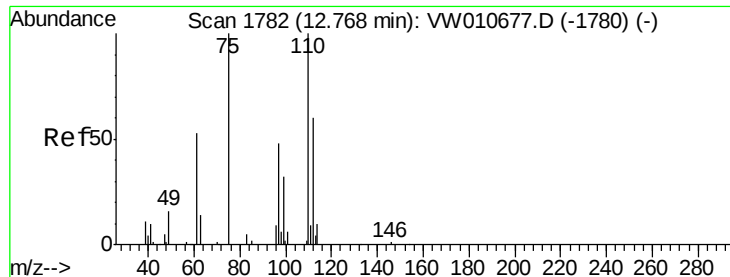
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

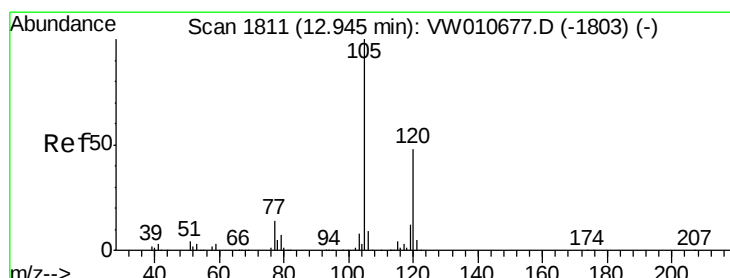
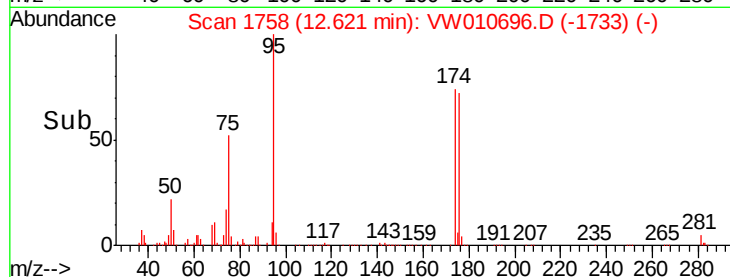
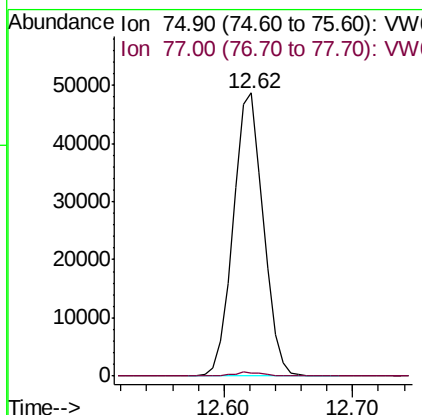
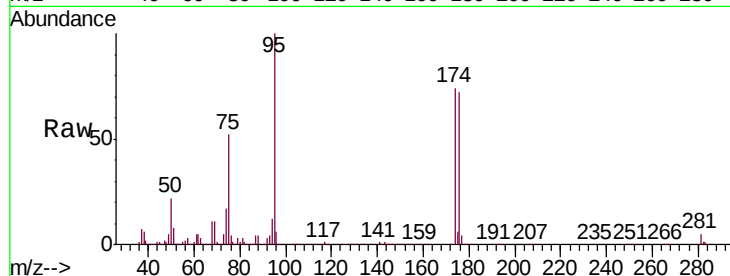




#76
 1,2,3-Trichloropropane
 Concen: 68.864 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

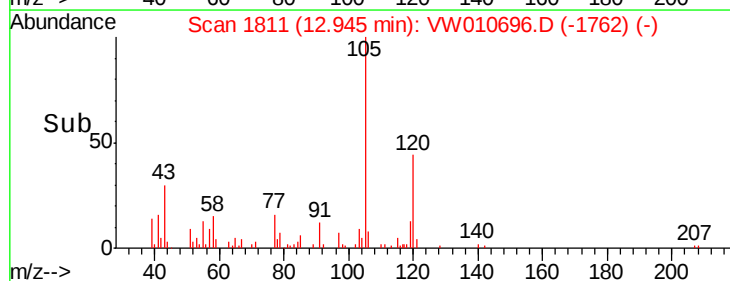
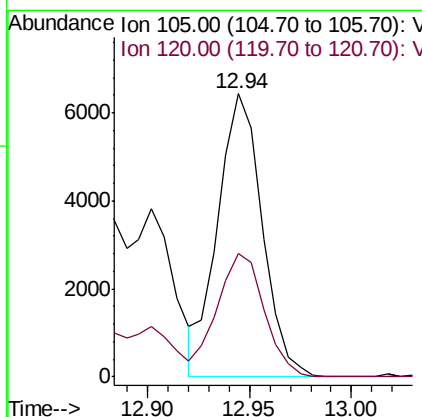
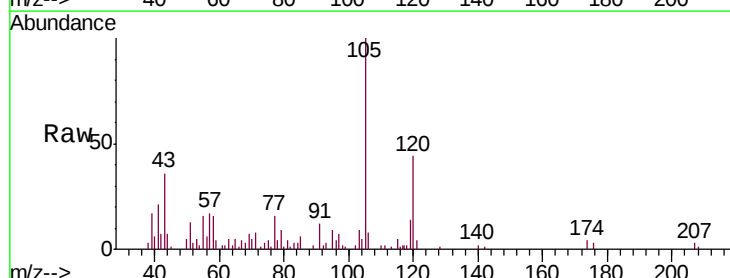
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-01-005-B

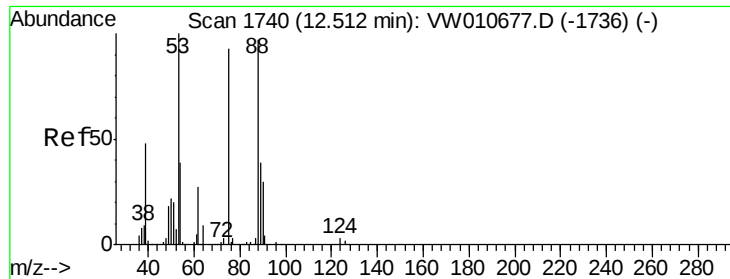
Tgt Ion: 75 Resp: 78816
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.447 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

Tgt Ion: 105 Resp: 9700
 Ion Ratio Lower Upper
 105 100
 120 46.4 24.3 72.8

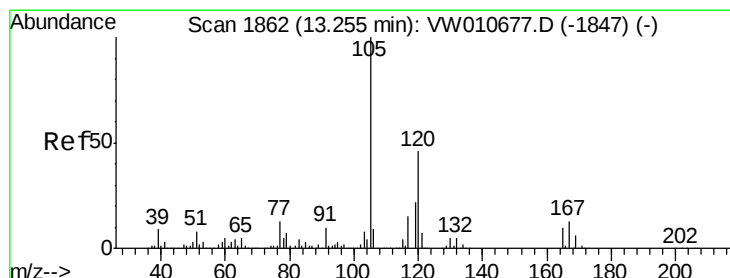
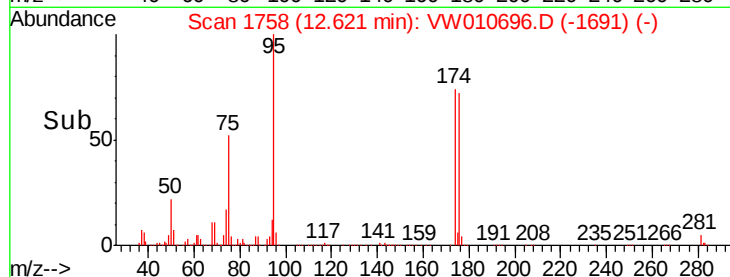
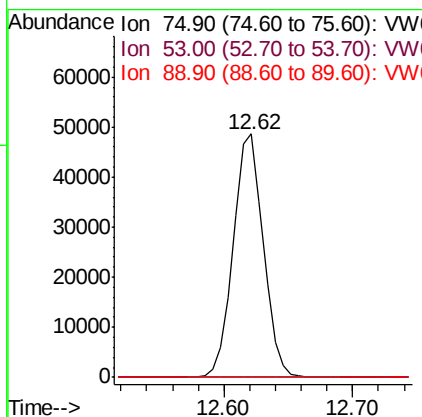
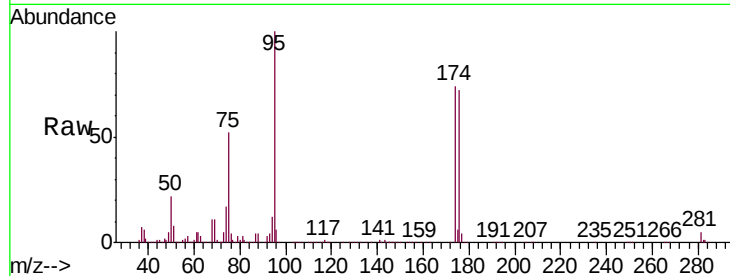




#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.273 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

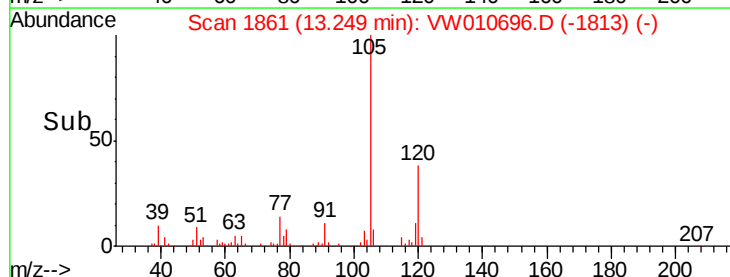
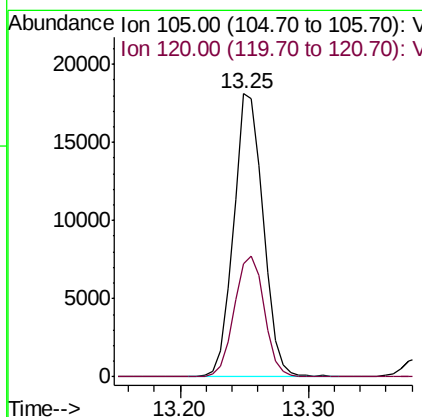
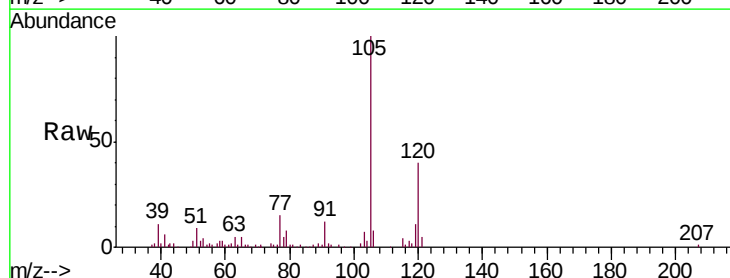
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-SF-01-005-B

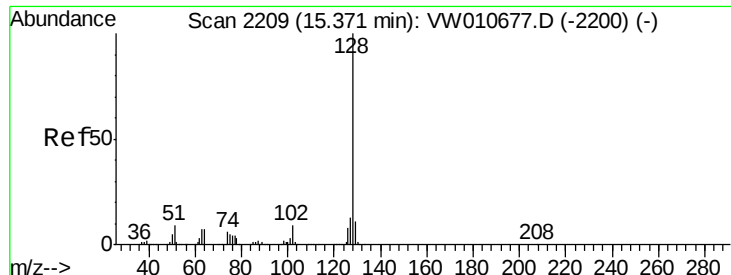
Tgt Ion: 75 Resp: 78816
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.1 34.6 52.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 4.280 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW010696.D
 Acq: 05 Jun 2019 17:00

Tgt Ion: 105 Resp: 28875
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.5 67.5





#95

Naphthalene

Concen: 48.949 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010696.D

Acq: 05 Jun 2019 17:00

Instrument :

MSVOA_W

ClientSampleId :

FK-SF-01-005-B

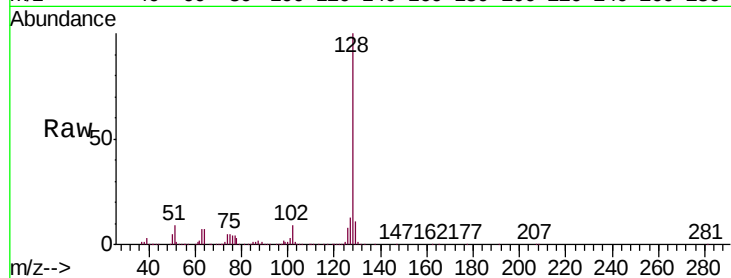
Tgt Ion:128 Resp: 193494

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

