

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013225.D
 Acq On : 23 Sep 2019 12:37
 Operator : SY/VA
 Sample : K4972-02RE
 Misc : 3.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-046-A

Quant Time: Sep 24 06:38:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	329633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	483087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	139014	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
35) Dibromofluoromethane	7.88	113	135703	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
50) Toluene-d8	10.32	98	548837	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.62	95	157817	41.55	ug/l	0.00
Spiked Amount			Recovery	=	83.10%	

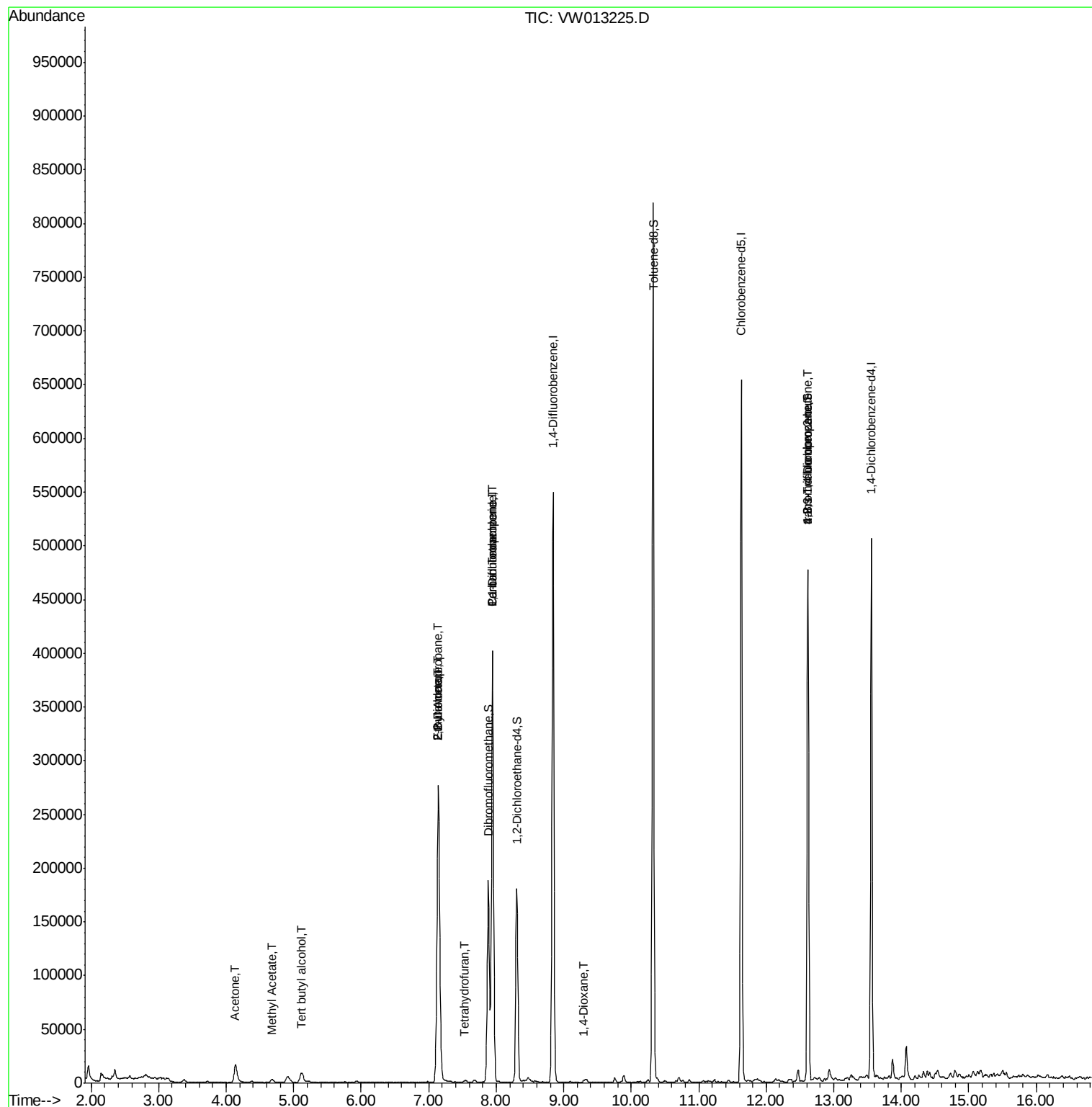
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	8931	37.525	ug/l #	73
16) Acetone	4.14	43	34566	56.975	ug/l	99
18) Methyl Acetate	4.68	43	5532	3.244	ug/l	97
20) Methylene Chloride	4.91	84	4715	Below Cal		89
25) 2-Butanone	7.14	43	13413	14.728	ug/l #	76
26) 2,2-Dichloropropane	7.14	77	19916	2.805	ug/l #	52
29) Tetrahydrofuran	7.53	42	1326	2.374	ug/l #	81
36) 1,1-Dichloropropene	7.95	75	22566	4.823	ug/l #	50
37) Ethyl Acetate	7.14	43	13413	6.745	ug/l #	1
38) Carbon Tetrachloride	7.95	117	28980	6.909	ug/l #	16
49) 1,4-Dioxane	9.29	88	63	2.713	ug/l #	8
76) 1,2,3-Trichloropropane	12.62	75	76305	59.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76305	134.173	ug/l #	12

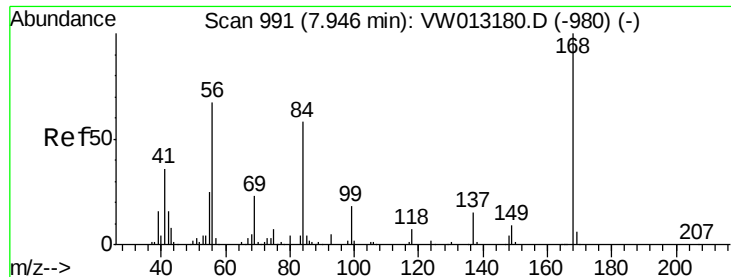
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013225.D

Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

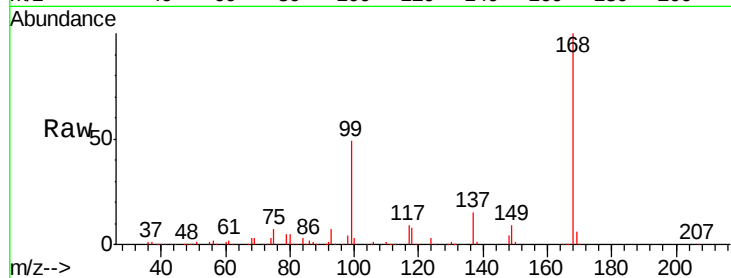
FK-GF-02-046-A

Tgt Ion: 168 Resp: 329633

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

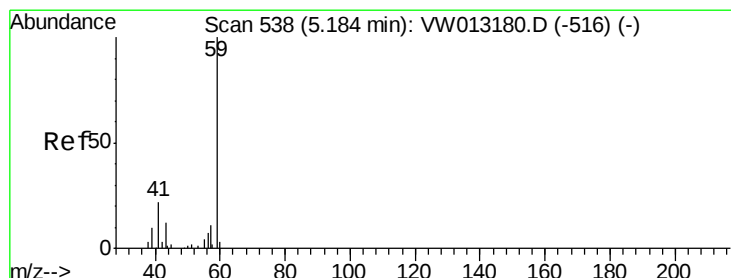
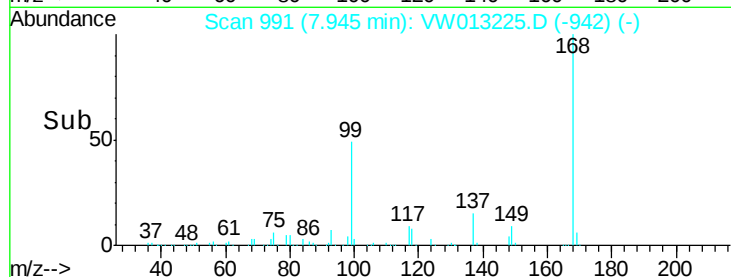
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 37.525 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013225.D

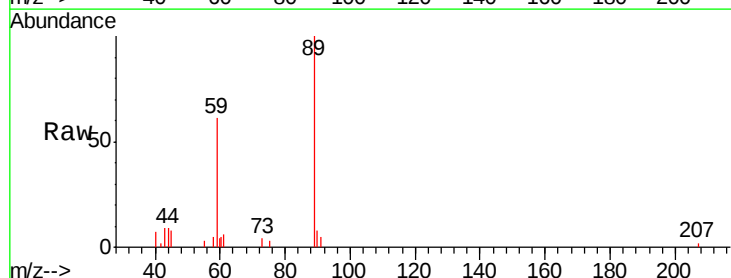
Acq: 23 Sep 2019 12:37

Tgt Ion: 59 Resp: 8931

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

2500

2000

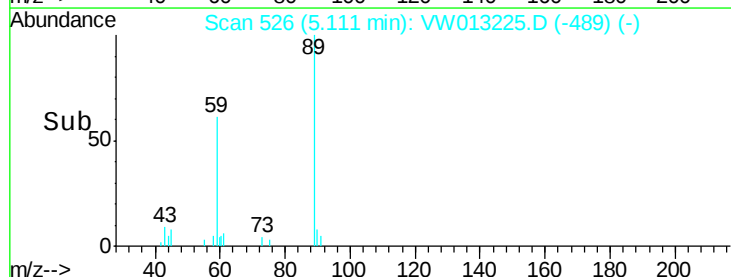
1500

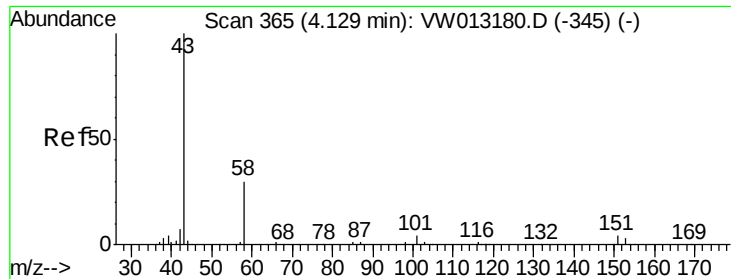
1000

500

0

Time-->





#16

Acetone

Concen: 56.975 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

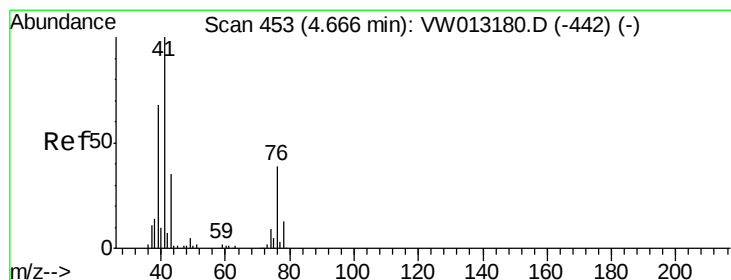
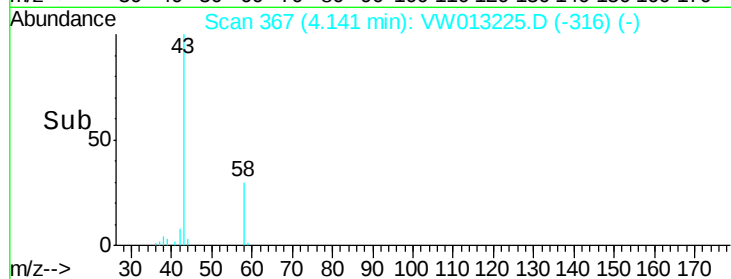
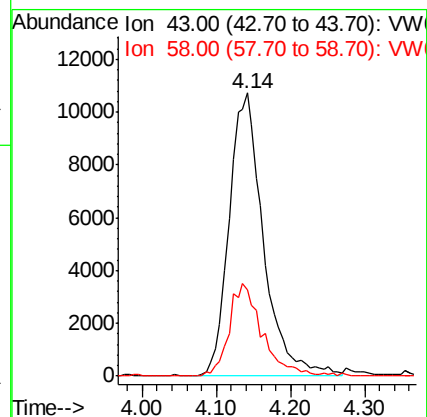
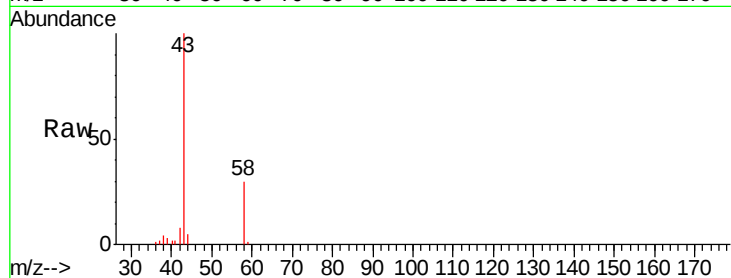
FK-GF-02-046-A

Tgt Ion: 43 Resp: 34566

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1



#18

Methyl Acetate

Concen: 3.244 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW013225.D

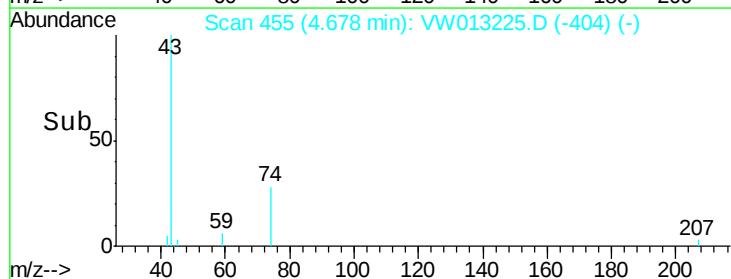
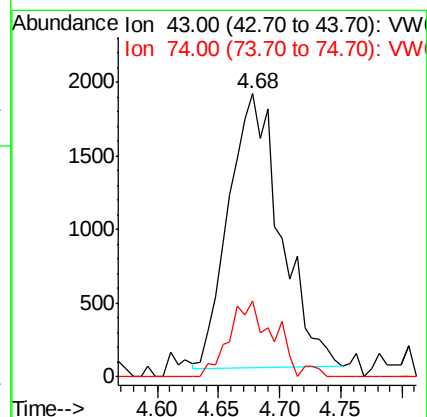
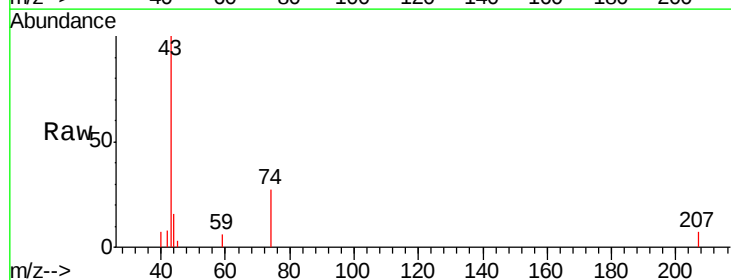
Acq: 23 Sep 2019 12:37

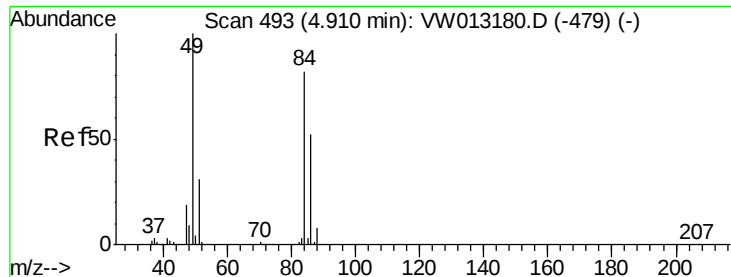
Tgt Ion: 43 Resp: 5532

Ion Ratio Lower Upper

43 100

74 22.7 19.3 28.9

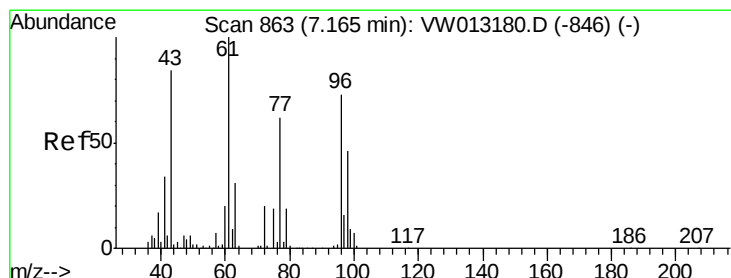
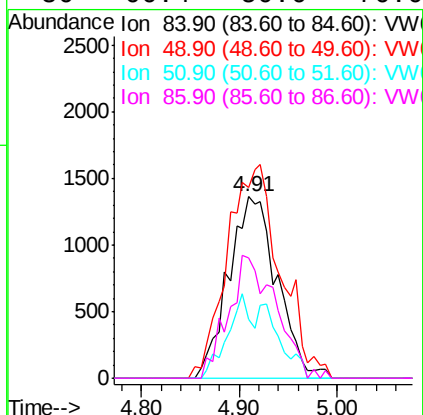
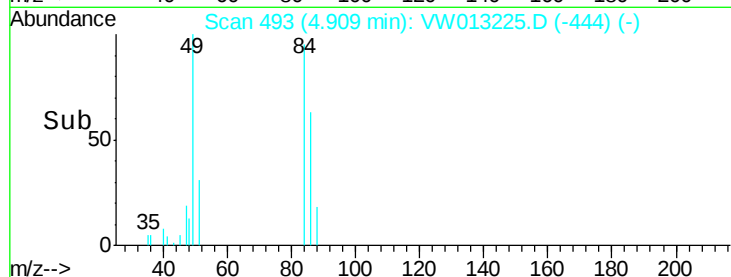
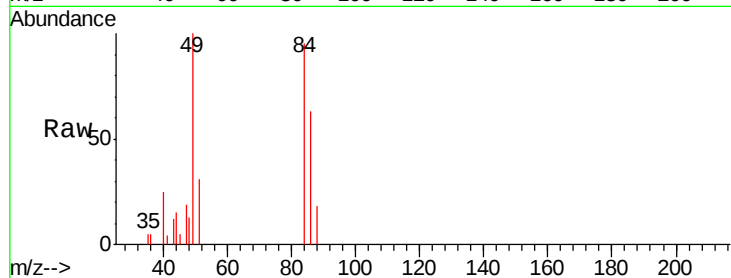




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

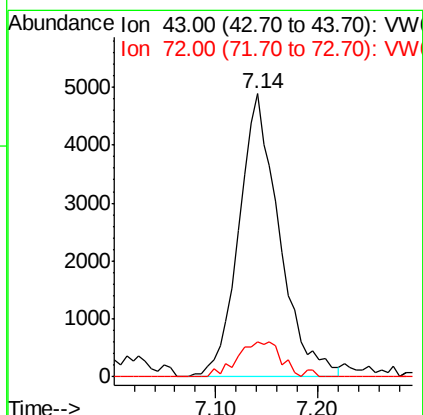
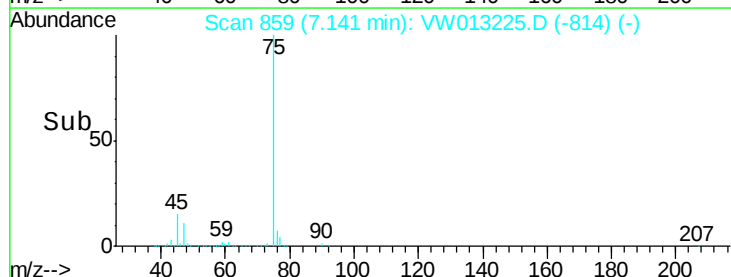
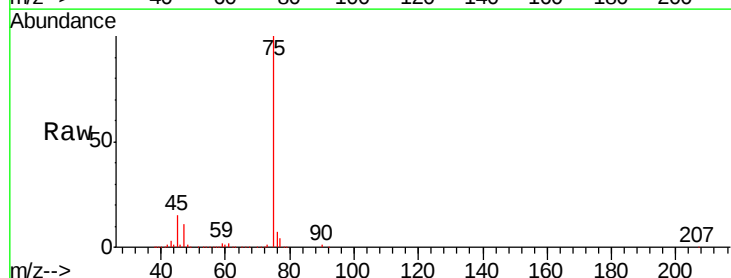
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-046-A

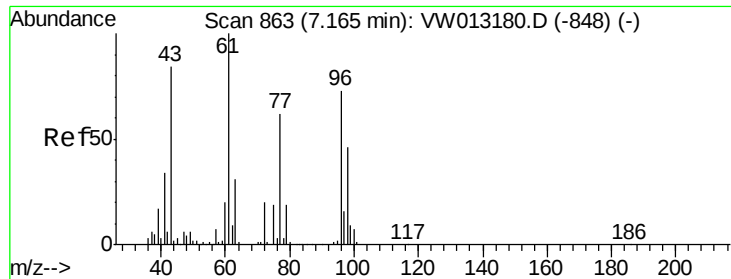
Tgt Ion: 84 Resp: 4715
Ion Ratio Lower Upper
84 100
49 104.9 97.6 146.4
51 32.7 30.2 45.2
86 66.4 50.6 76.0



#25
2-Butanone
Concen: 14.728 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

Tgt Ion: 43 Resp: 13413
Ion Ratio Lower Upper
43 100
72 12.4 19.4 29.0#

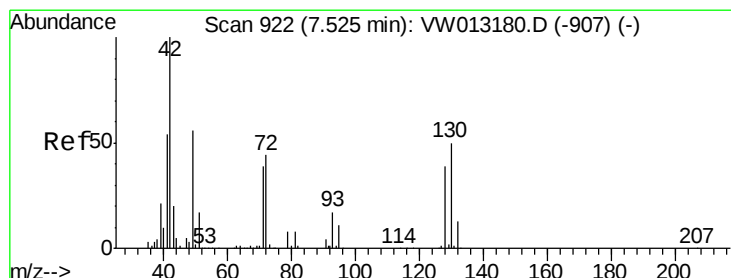
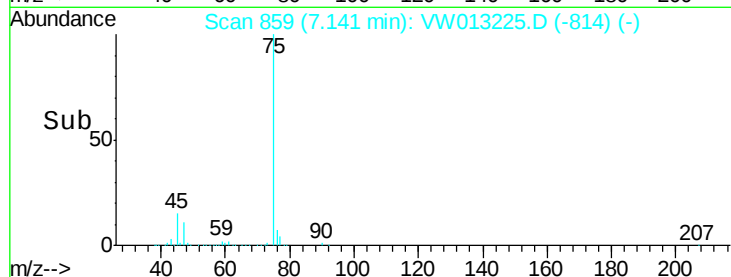
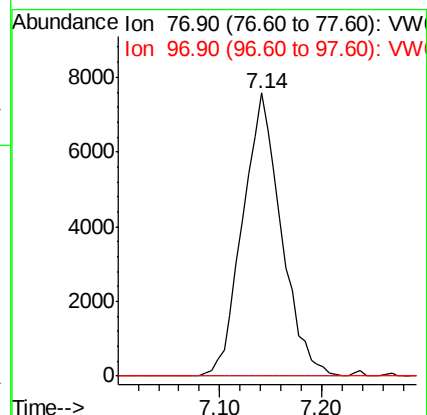
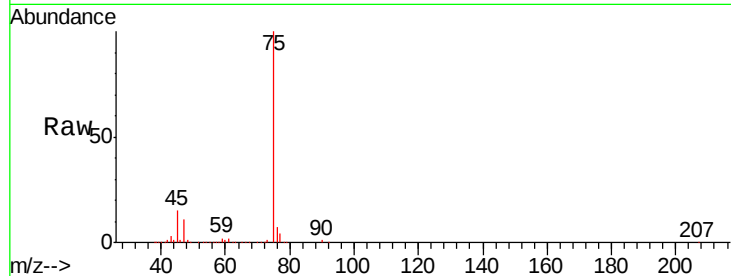




#26
 2,2-Dichloropropane
 Concen: 2.805 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013225.D
 Acq: 23 Sep 2019 12:37

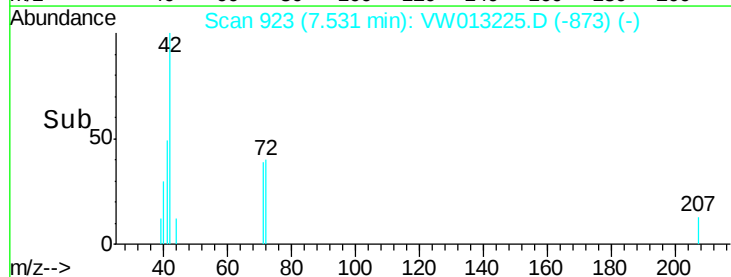
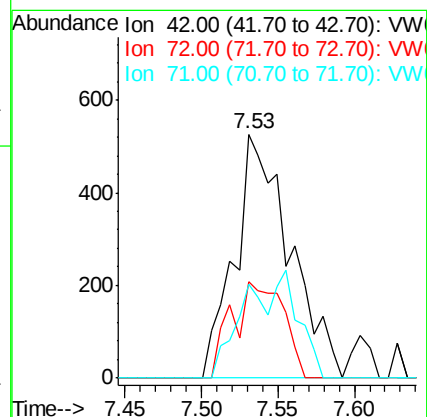
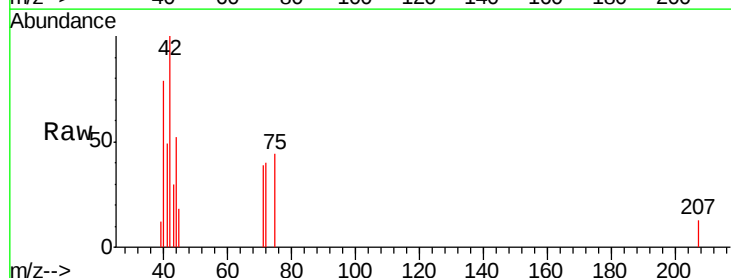
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-046-A

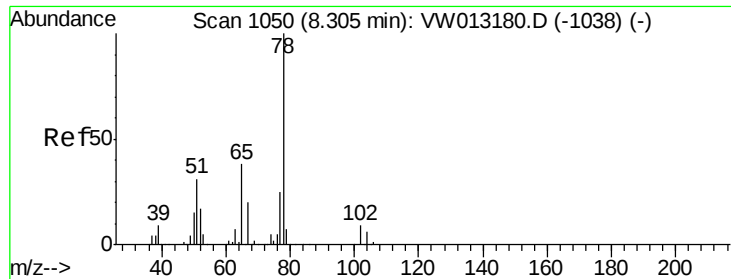
Tgt Ion: 77 Resp: 19916
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 2.374 ug/l
 RT: 7.53 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VW013225.D
 Acq: 23 Sep 2019 12:37

Tgt Ion: 42 Resp: 1326
 Ion Ratio Lower Upper
 42 100
 72 36.5 33.9 50.9
 71 22.0 31.9 47.9#





#33

1,2-Dichloroethane-d4

Concen: 51.673 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

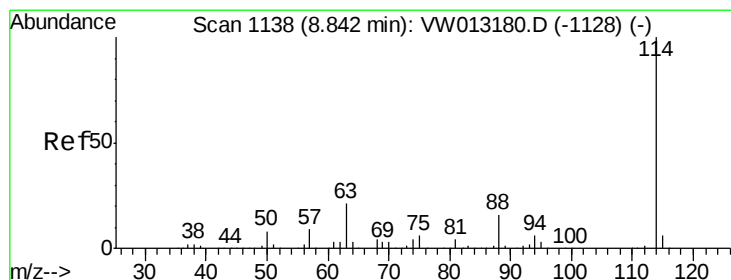
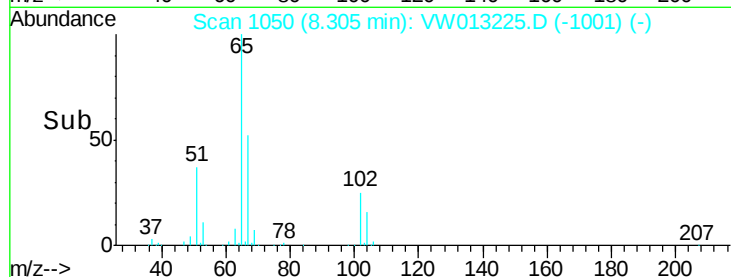
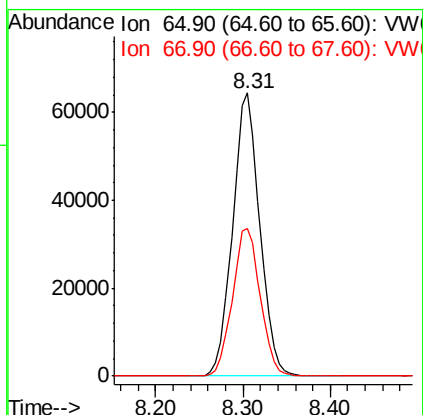
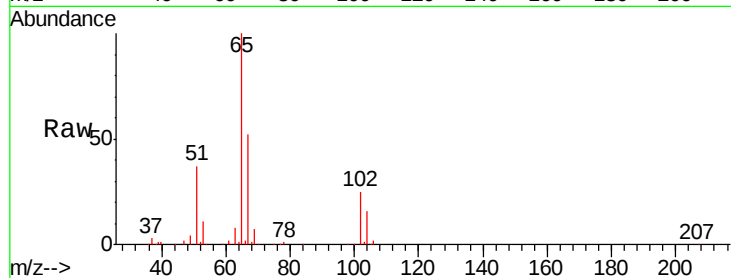
FK-GF-02-046-A

Tgt Ion: 65 Resp: 139014

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

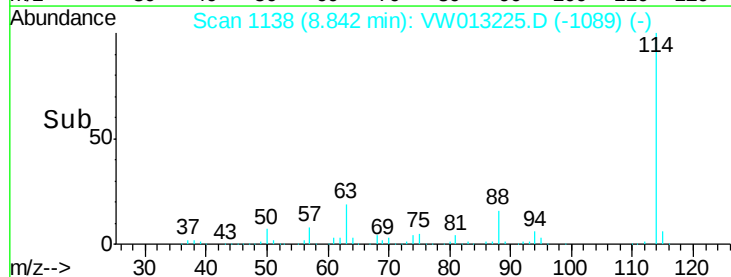
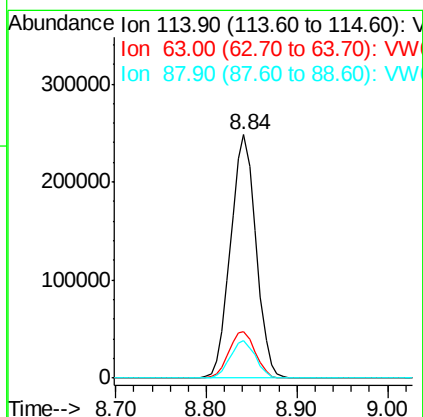
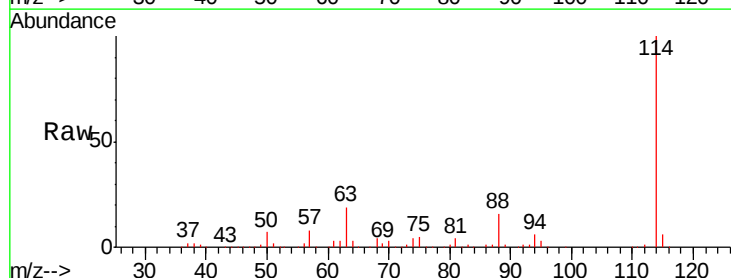
Tgt Ion: 114 Resp: 483087

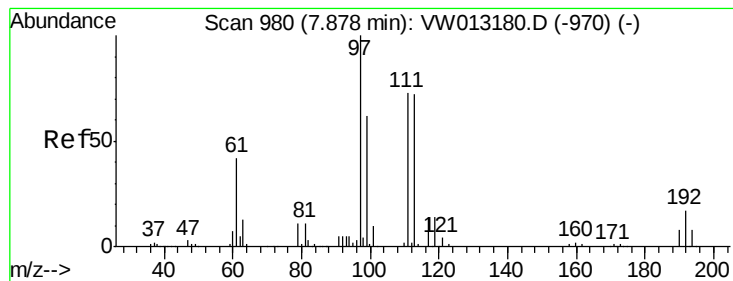
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.074 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-046-A

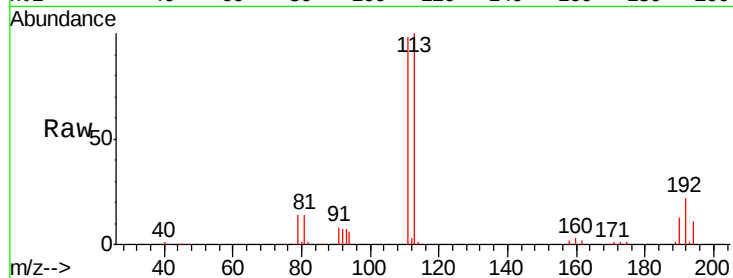
Tgt Ion:113 Resp: 135703

Ion Ratio Lower Upper

113 100

111 103.9 81.9 122.9

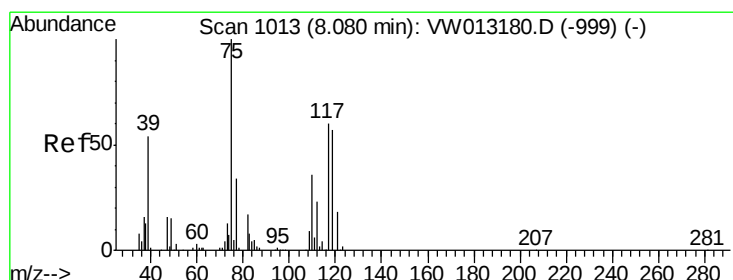
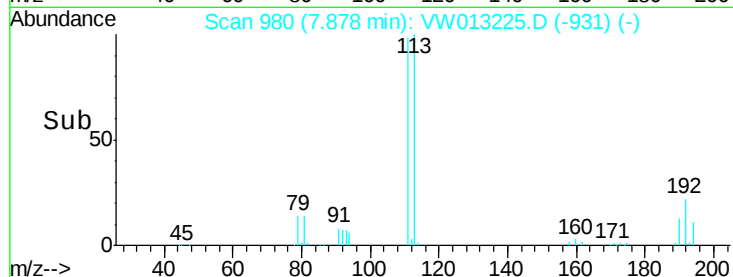
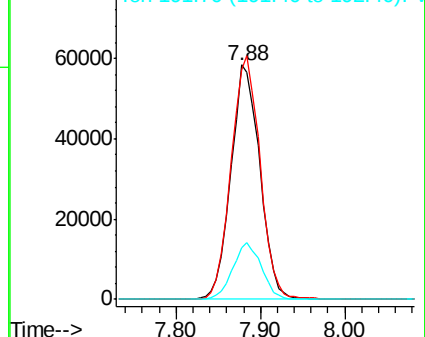
192 23.9 19.1 28.7



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: 4.823 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

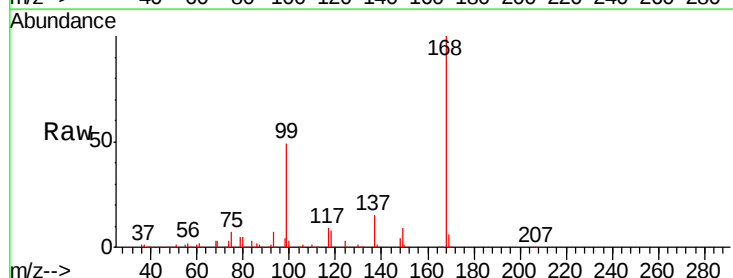
Tgt Ion: 75 Resp: 22566

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.3#

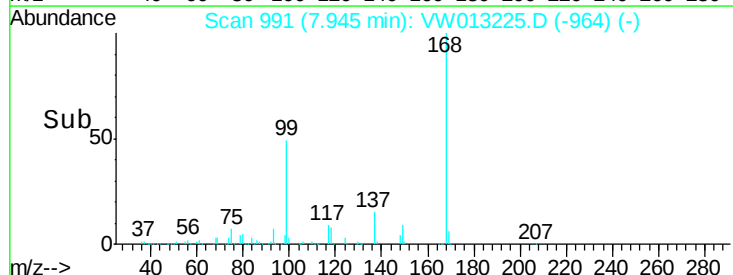
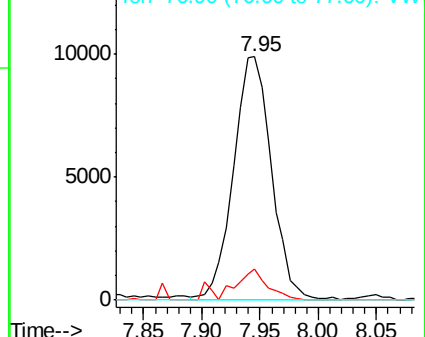
77 0.0 25.8 38.6#

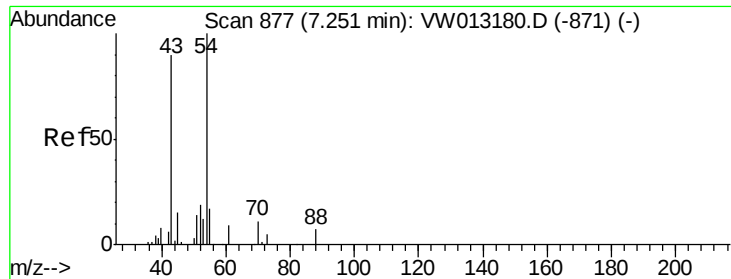


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

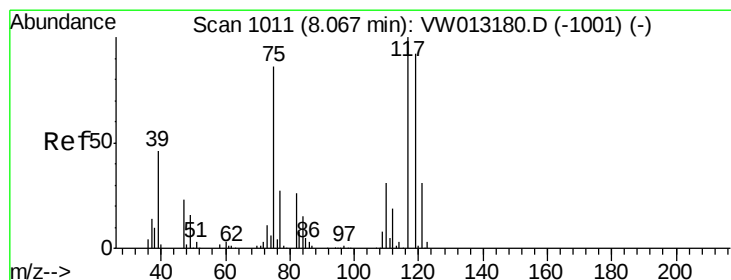
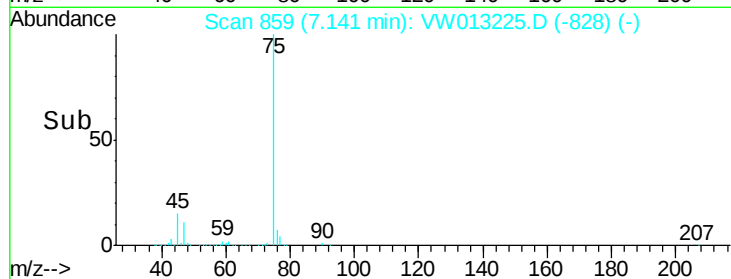
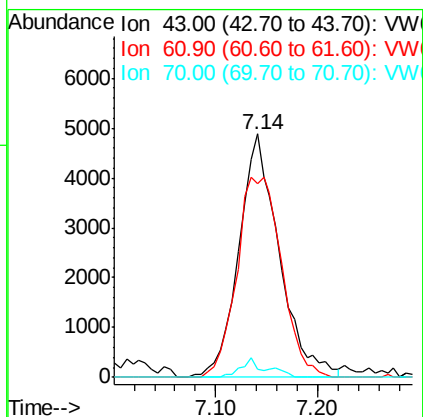
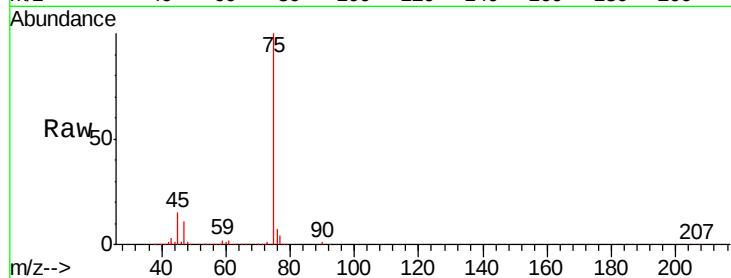




#37
Ethyl Acetate
Concen: 6.745 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

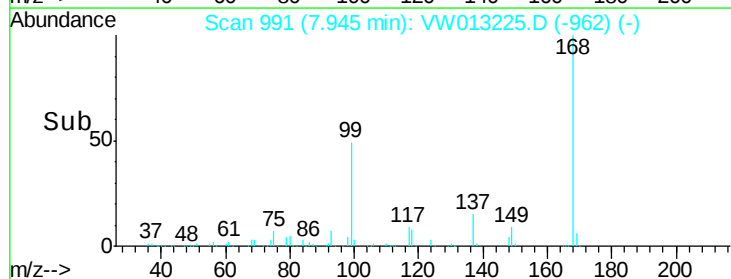
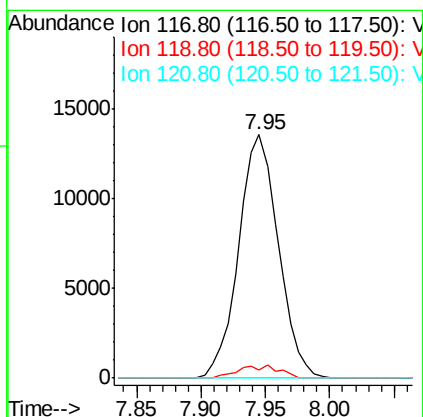
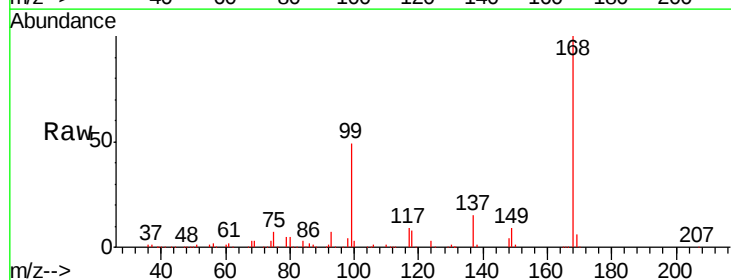
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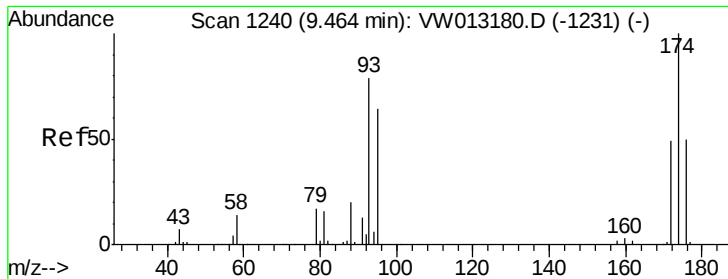
Tgt Ion: 43 Resp: 13413
Ion Ratio Lower Upper
43 100
61 91.2 10.9 16.3#
70 3.3 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.909 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

Tgt Ion: 117 Resp: 28980
Ion Ratio Lower Upper
117 100
119 3.5 73.5 110.3#
121 0.0 25.0 37.6#

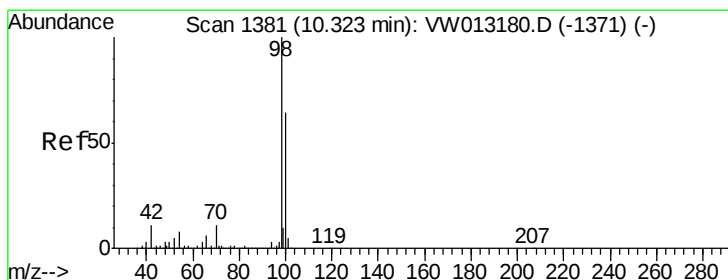
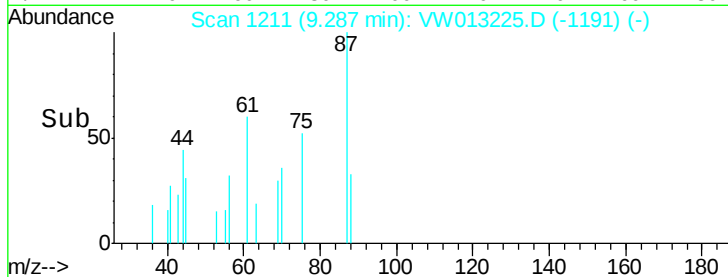
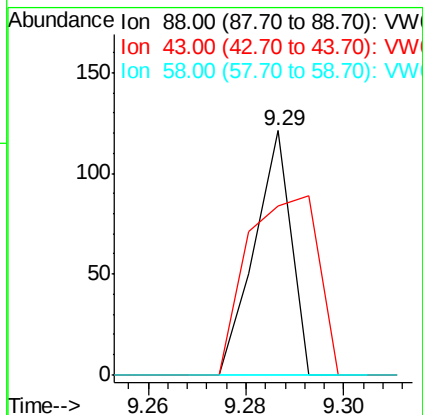
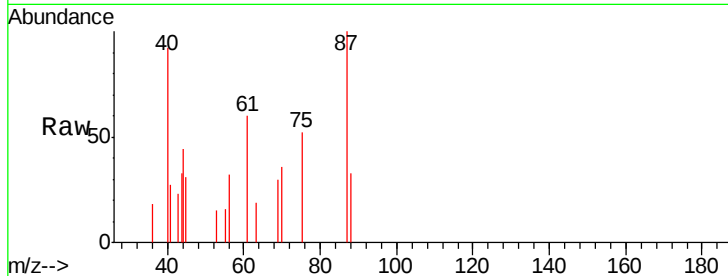




#49
 1,4-Dioxane
 Concen: 2.713 ug/l
 RT: 9.29 min Scan# 1211
 Delta R.T. -0.18 min
 Lab File: VW013225.D
 Acq: 23 Sep 2019 12:37

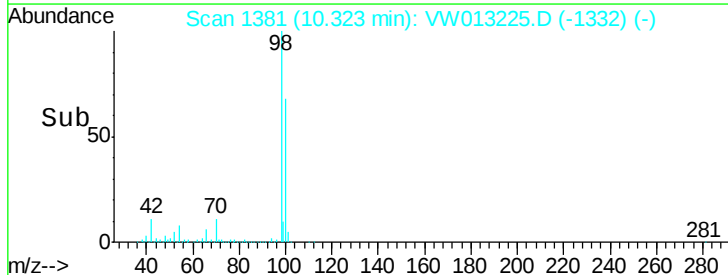
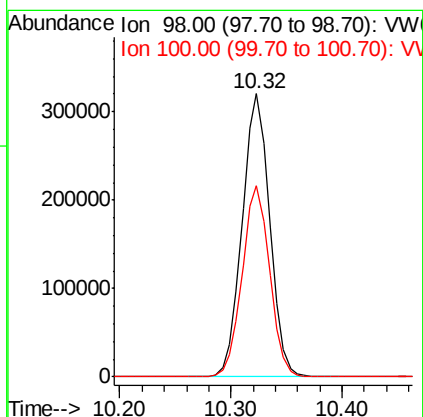
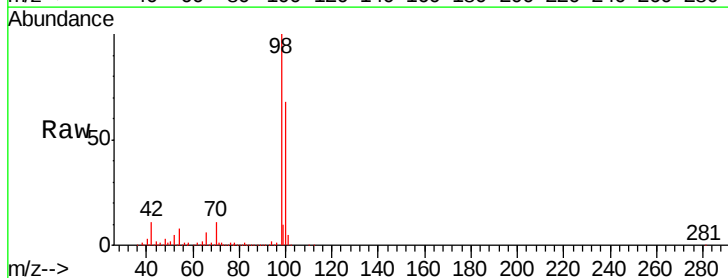
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-046-A

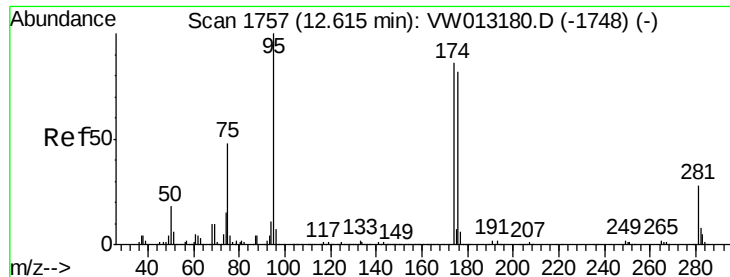
Tgt Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 141.3 0.0 0.0#
 58 0.0 65.4 98.0#



#50
 Toluene-d8
 Concen: 49.357 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW013225.D
 Acq: 23 Sep 2019 12:37

Tgt Ion: 98 Resp: 548837
 Ion Ratio Lower Upper
 98 100
 100 67.3 52.9 79.3

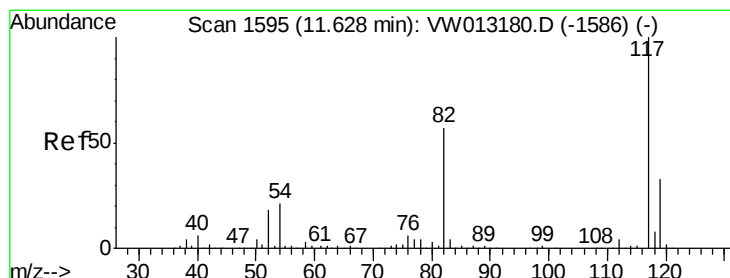
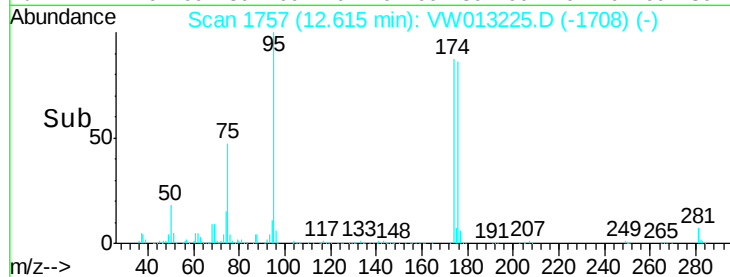
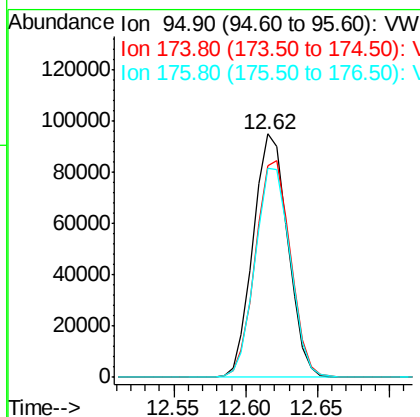
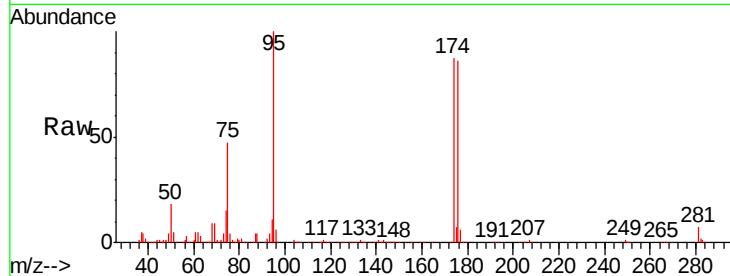




#62
4-Bromofluorobenzene
Concen: 41.548 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

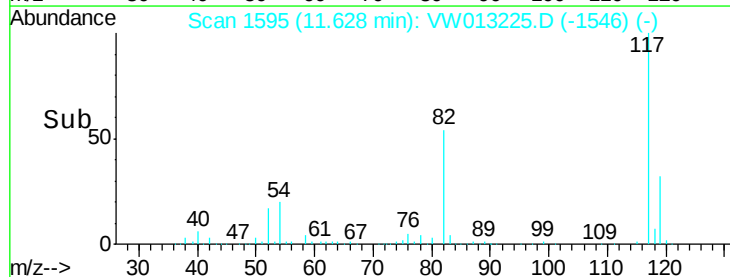
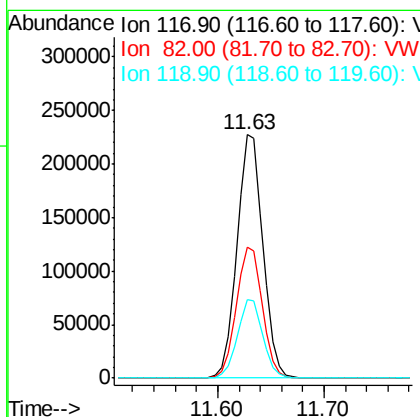
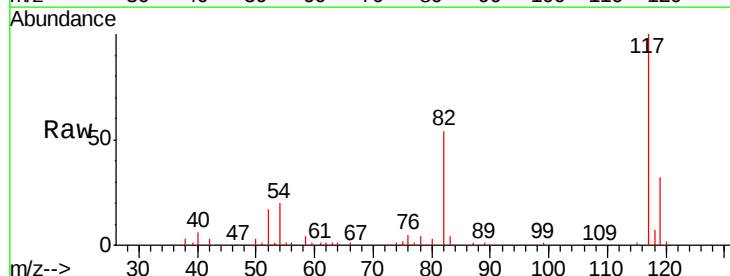
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-046-A

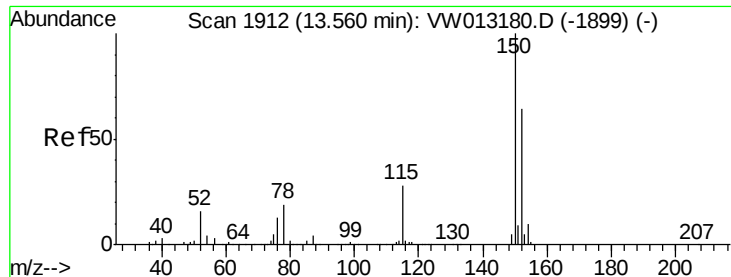
Tgt Ion: 95 Resp: 157817
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.4
176 87.5 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013225.D
Acq: 23 Sep 2019 12:37

Tgt Ion: 117 Resp: 388415
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013225.D

Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-046-A

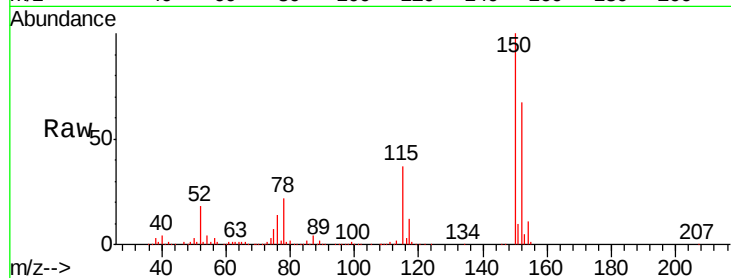
Tgt Ion:152 Resp: 144500

Ion Ratio Lower Upper

152 100

115 55.9 27.3 81.9

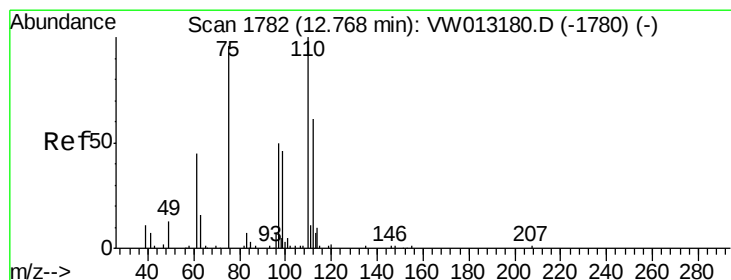
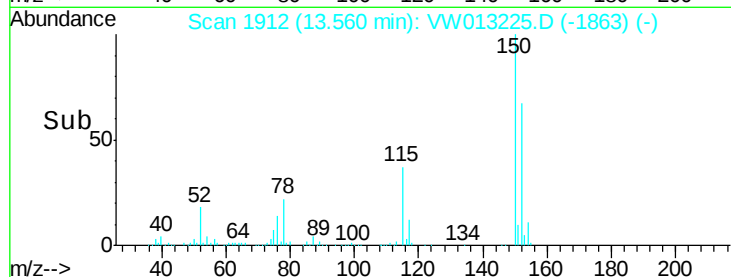
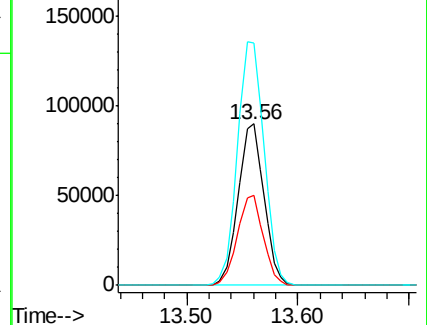
150 156.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 59.794 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW013225.D

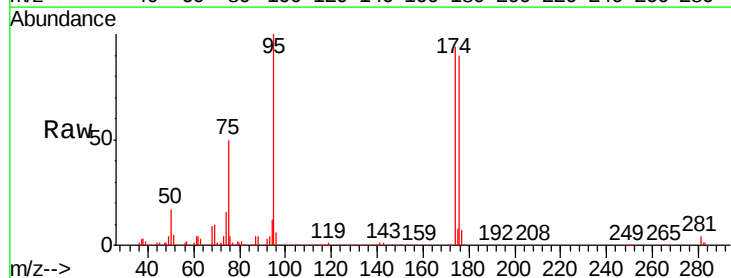
Acq: 23 Sep 2019 12:37

Tgt Ion: 75 Resp: 76305

Ion Ratio Lower Upper

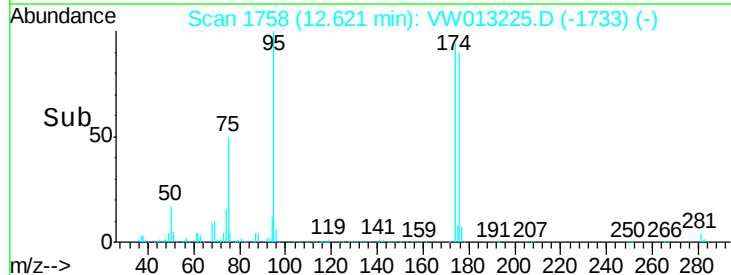
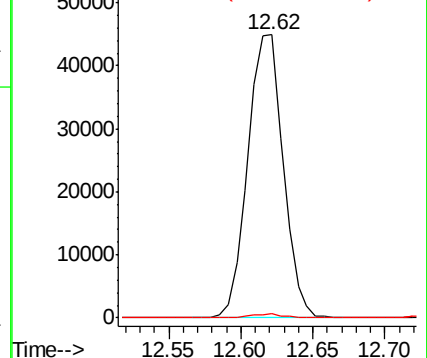
75 100

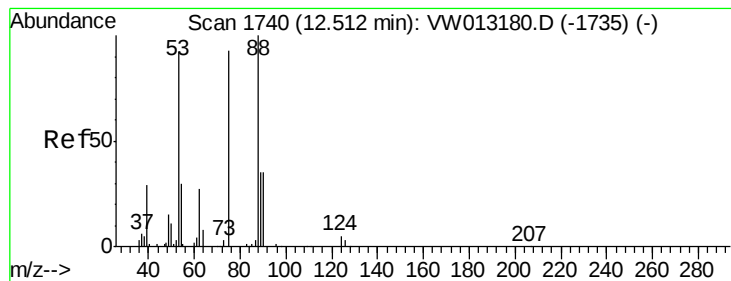
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 134.173 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW013225.D

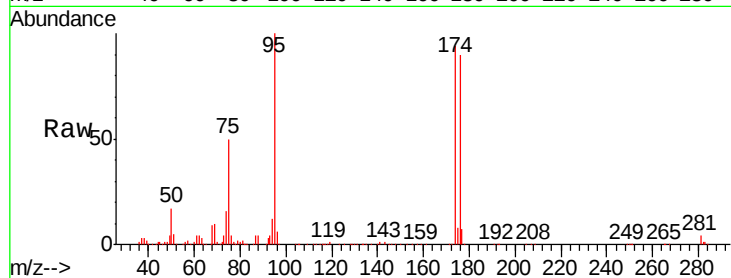
Acq: 23 Sep 2019 12:37

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-046-A



Tgt Ion:	75	Resp:	76305
Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.6	114.8#
89	0.1	33.5	50.3#

