

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071718\
 Data File : VW003984.D
 Acq On : 17 Jul 2018 14:52
 Operator : VA/AP
 Sample : J3976-02RE
 Misc : 9.37G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-033RE

Quant Time: Jul 17 15:15:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 11:52:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	9910	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	15623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	9438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	3478	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	9067	81.85	ug/l	0.00
Spiked Amount			Recovery	=	163.70%	
35) Dibromofluoromethane	7.89	113	6788	67.72	ug/l	0.00
Spiked Amount			Recovery	=	135.44%	
50) Toluene-d8	10.33	98	9198	23.65	ug/l	0.00
Spiked Amount			Recovery	=	47.30%	
62) 4-Bromofluorobenzene	12.62	95	4416	31.48	ug/l	0.00
Spiked Amount			Recovery	=	62.96%	

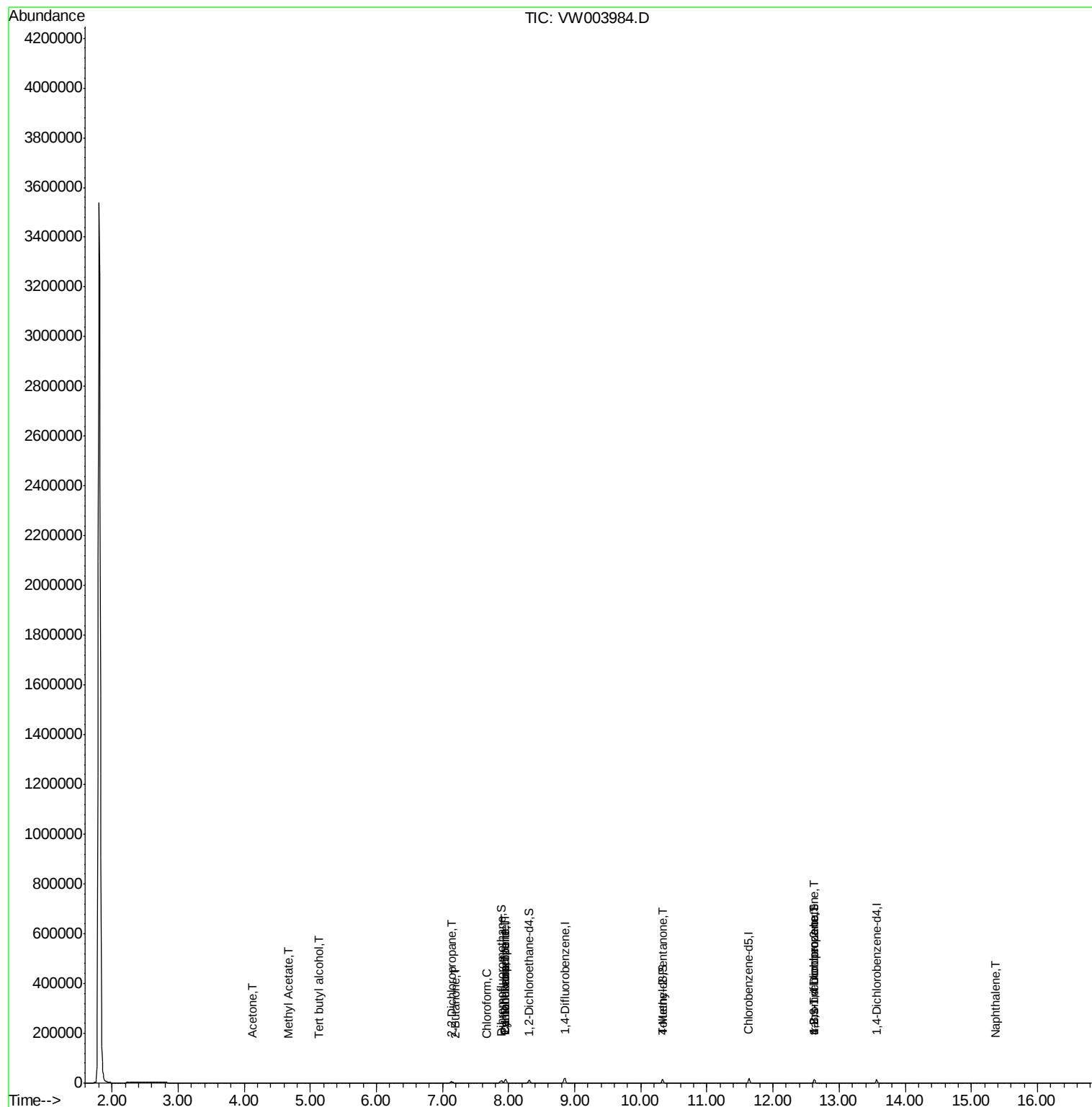
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	57	7.45	ug/l #	72
16) Acetone	4.13	43	924	34.71	ug/l #	73
18) Methyl Acetate	4.67	43	89	1.39	ug/l #	54
20) Methylene Chloride	4.92	84	545	Below Cal	#	79
25) 2-Butanone	7.20	43	51	1.42	ug/l #	51
26) 2,2-Dichloropropane	7.14	77	225	2.00	ug/l #	52
30) Chloroform	7.67	83	213	1.09	ug/l #	17
31) Cyclohexane	7.96	56	305	1.66	ug/l #	55
36) 1,1-Dichloropropene	7.95	75	850	5.29	ug/l #	42
38) Carbon Tetrachloride	7.96	117	1126	7.50	ug/l #	13
51) 4-Methyl-2-Pentanone	10.34	43	100	1.29	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	2207	63.92	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	2207	141.39	ug/l #	11
95) Naphthalene	15.38	128	260	1.92	ug/l #	69

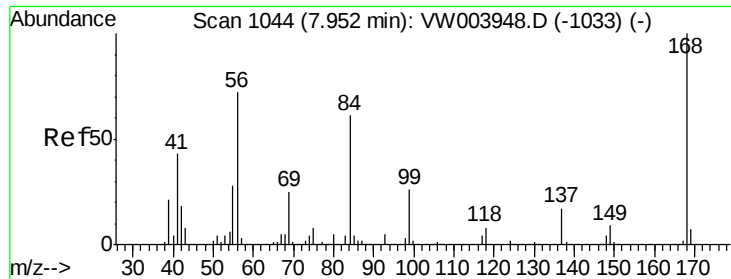
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

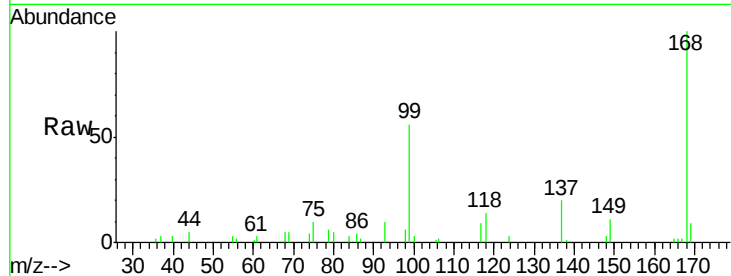
FK-PS-01-033RE

Tot Ion:168 Resp: 9910

Ion Ratio Lower Upper

168 100

99 55.7 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

4000

3000

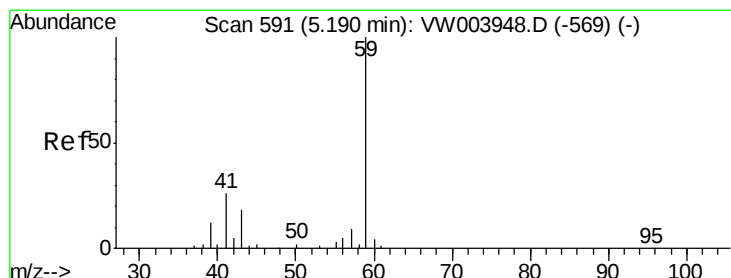
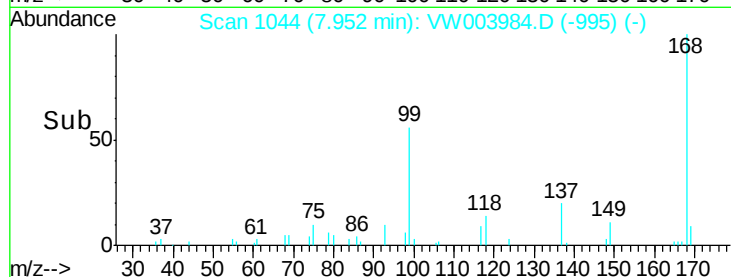
2000

1000

0

Time-->

7.90 7.95 8.00



#11

Tert butyl alcohol

Concen: 7.45 ug/l

RT: 5.14 min Scan# 582

Delta R.T. -0.05 min

Lab File: VW003984.D

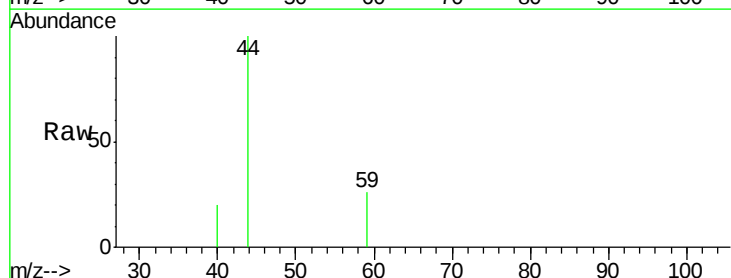
Acq: 17 Jul 2018 14:52

Tgt Ion: 59 Resp: 57

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

100

80

60

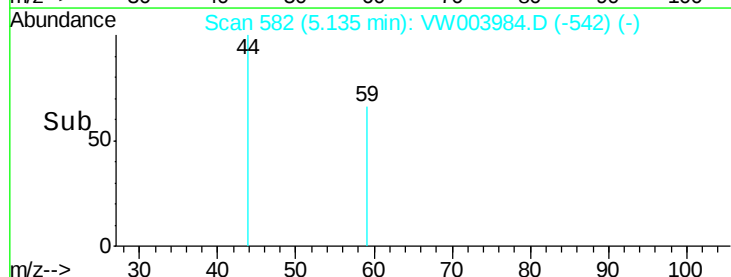
40

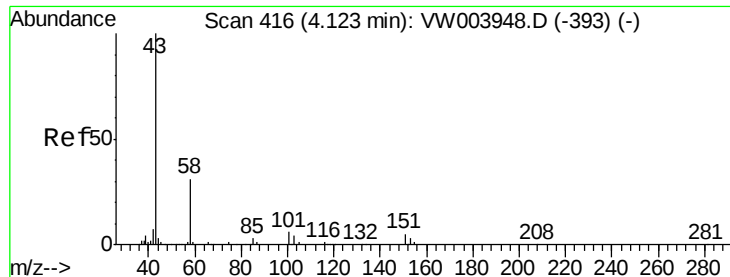
20

0

Time-->

5.12 5.14 5.16





#16

Acetone

Concen: 34.71 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

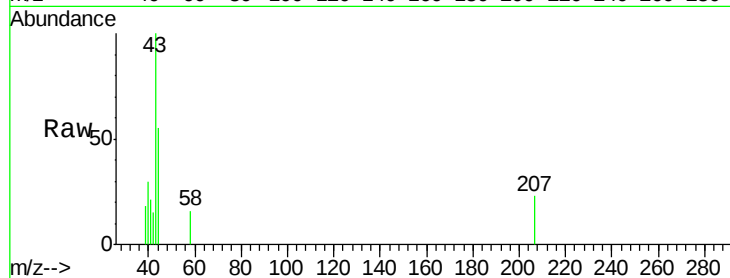
FK-PS-01-033RE

Tot Ion: 43 Resp: 924

Ion Ratio Lower Upper

43 100

58 15.9 24.5 36.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

400

300

200

100

0

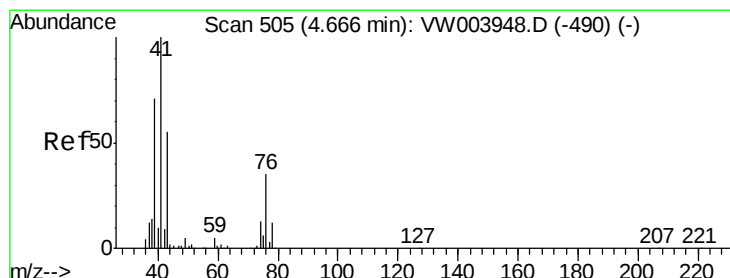
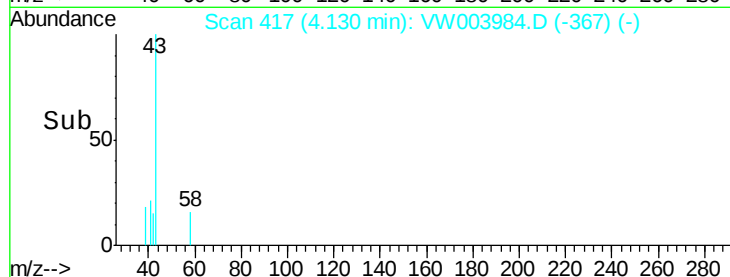
4.05

4.10

4.15

4.20

Time-->



#18

Methyl Acetate

Concen: 1.39 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003984.D

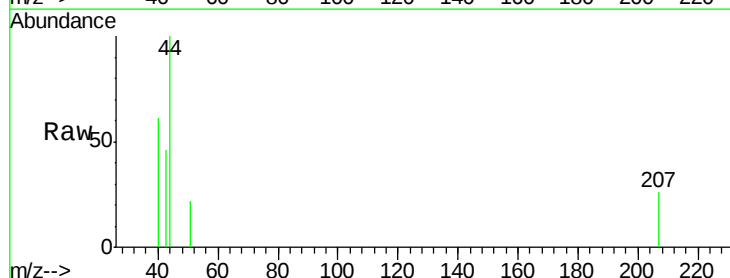
Acq: 17 Jul 2018 14:52

Tgt Ion: 43 Resp: 89

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

100

50

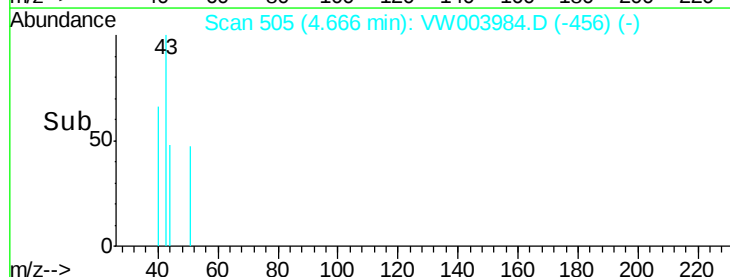
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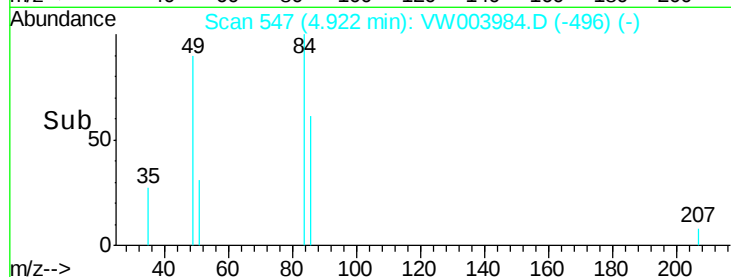
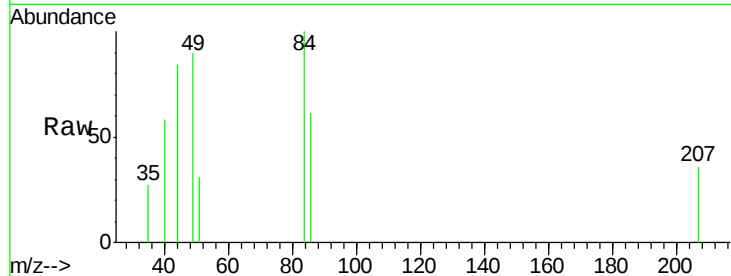
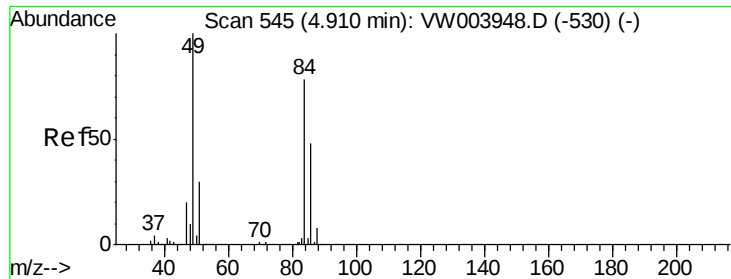
4.64

4.66

4.68

Time-->

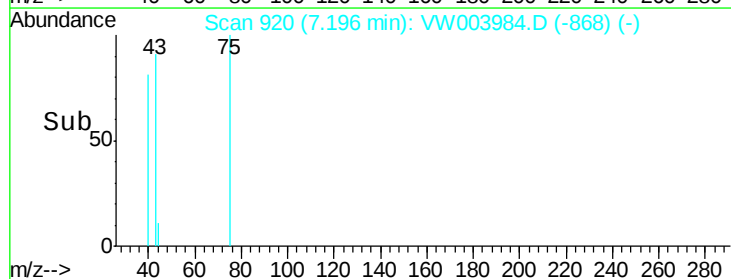
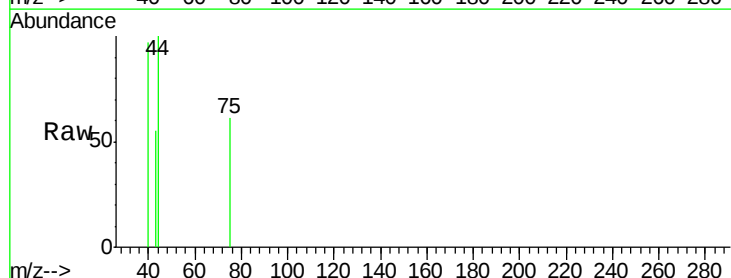
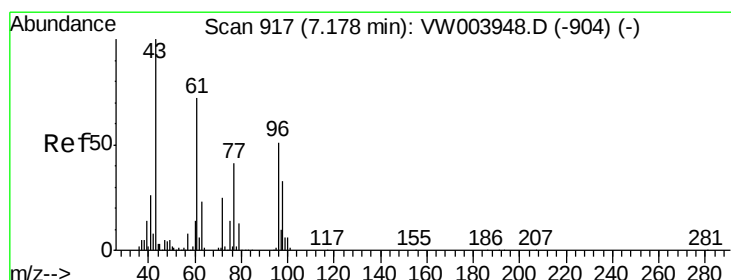
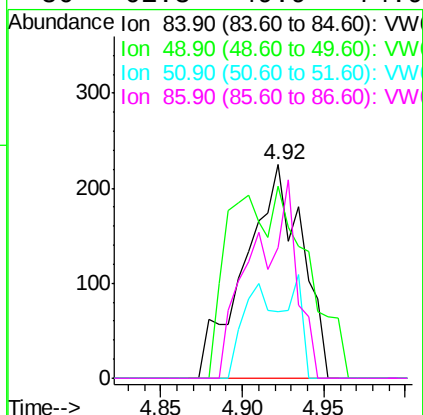




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

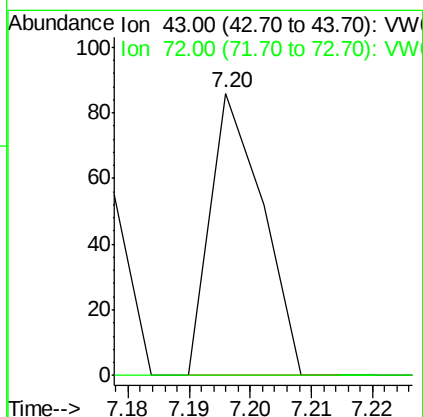
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-033RE

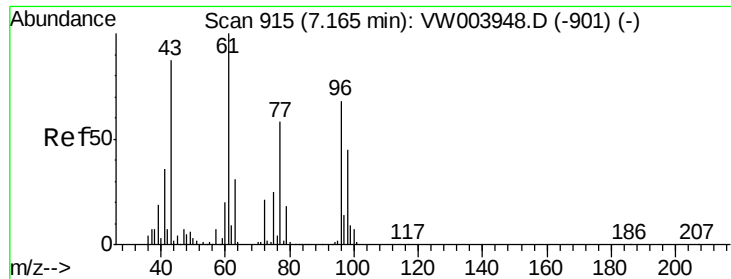
Tot Ion	84	Resp	545
Ion	Ratio	Lower	Upper
84	100		
49	89.8	102.9	154.3#
51	31.1	30.9	46.3
86	61.3	49.9	74.9



#25
2-Butanone
Concen: 1.42 ug/l
RT: 7.20 min Scan# 920
Delta R.T. 0.02 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

Tgt Ion	43	Resp	51
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.6#





#26

2,2-Dichloropropane

Concen: 2.00 ug/l

RT: 7.14 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

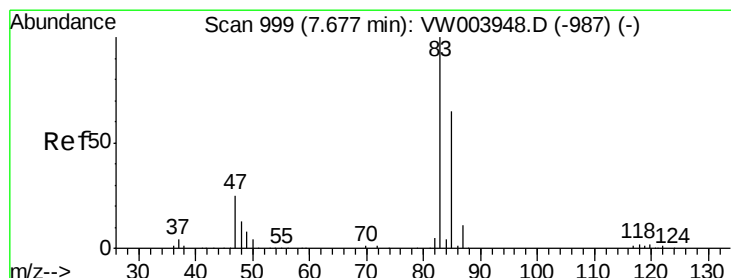
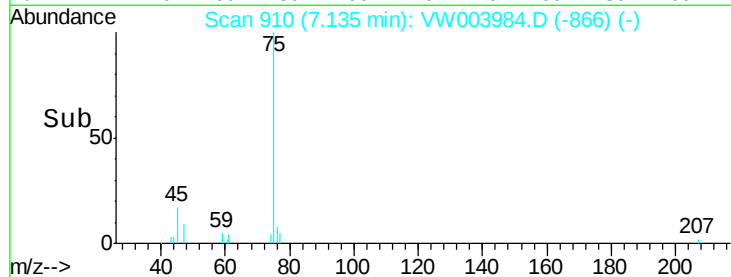
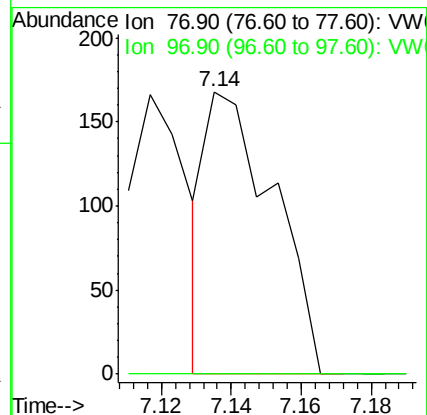
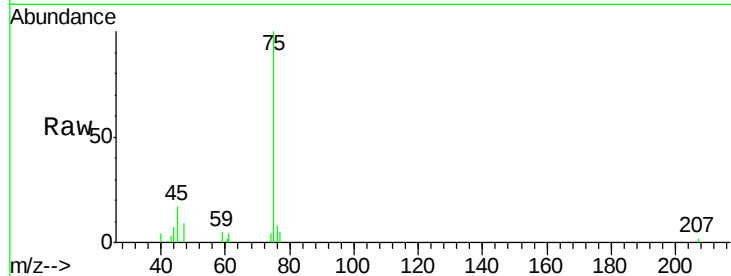
FK-PS-01-033RE

Tot Ion: 77 Resp: 225

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#30

Chloroform

Concen: 1.09 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW003984.D

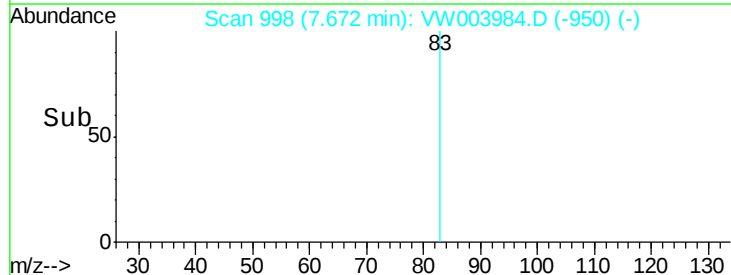
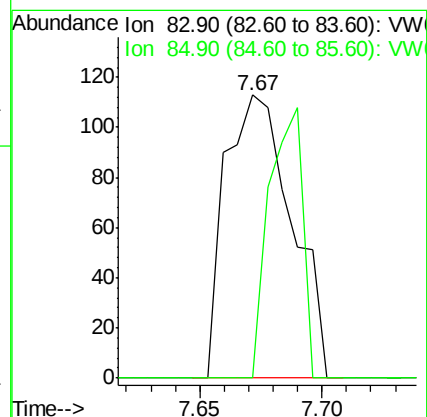
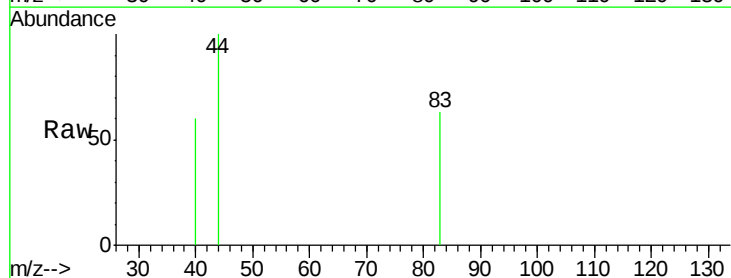
Acq: 17 Jul 2018 14:52

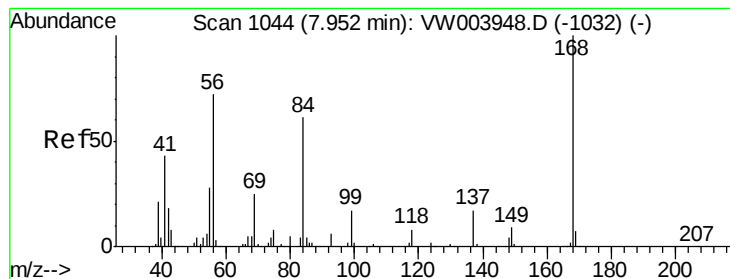
Tgt Ion: 83 Resp: 213

Ion Ratio Lower Upper

83 100

85 0.0 52.2 78.4#





#31

Cyclohexane

Concen: 1.66 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.01 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-033RE

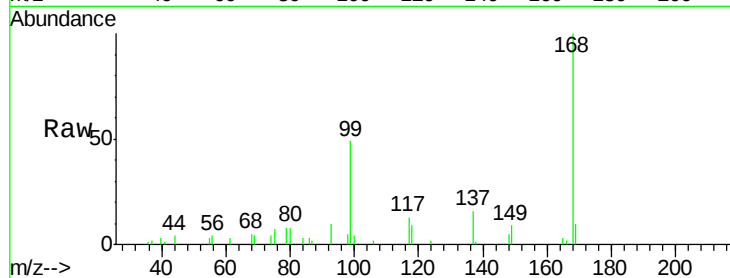
Tot Ion: 56 Resp: 305

Ion Ratio Lower Upper

56 100

69 97.7 27.8 41.8#

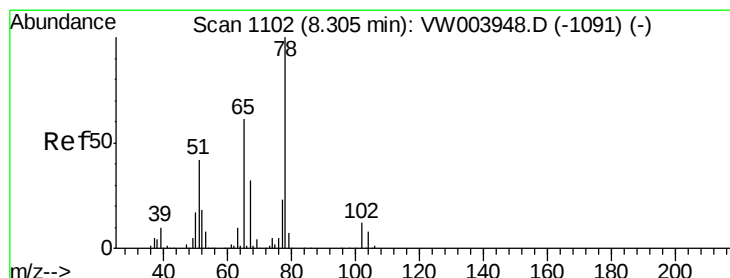
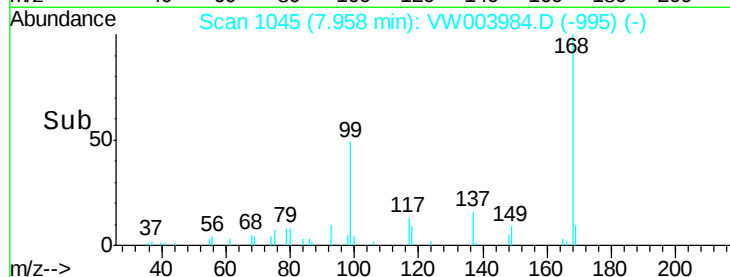
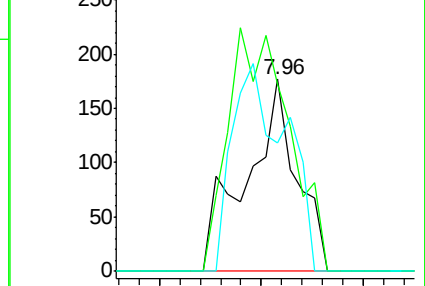
84 66.7 67.2 100.8#



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: 81.85 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003984.D

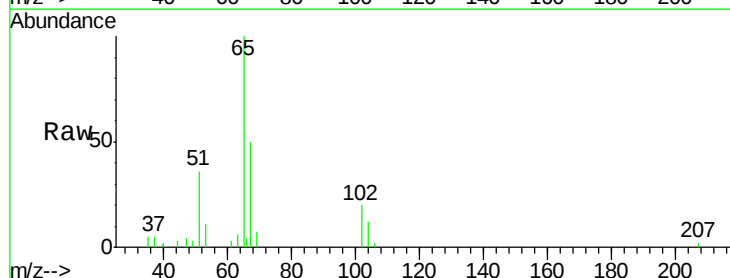
Acq: 17 Jul 2018 14:52

Tgt Ion: 65 Resp: 9067

Ion Ratio Lower Upper

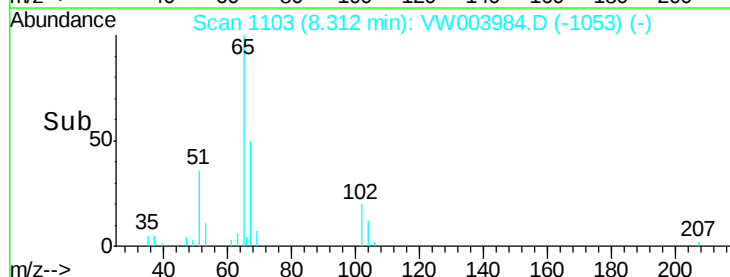
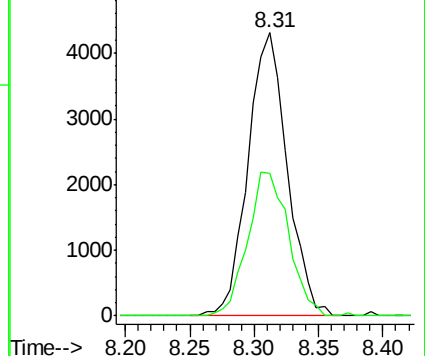
65 100

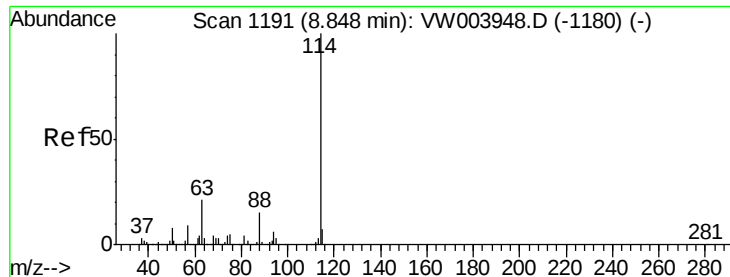
67 53.2 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

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FK-PS-01-033RE

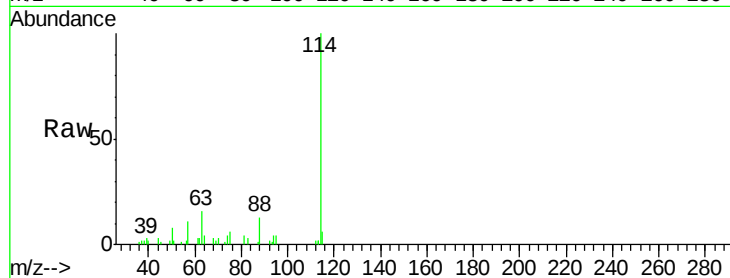
Tot Ion:114 Resp: 15623

Ion Ratio Lower Upper

114 100

63 15.8 0.0 42.8

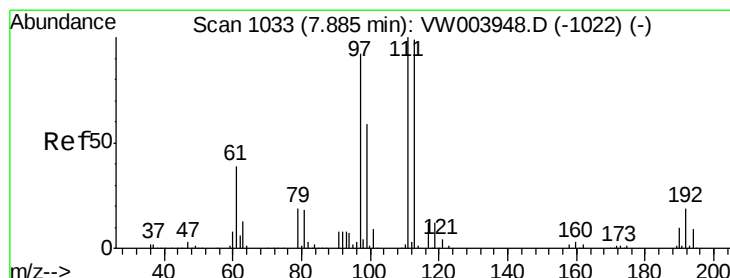
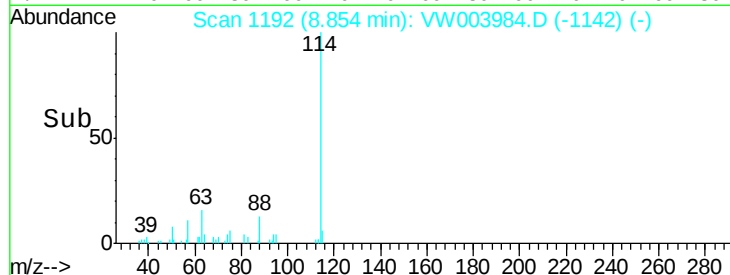
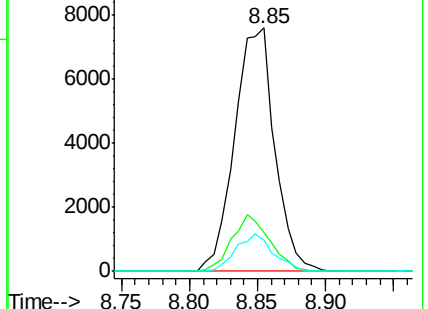
88 12.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 67.72 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

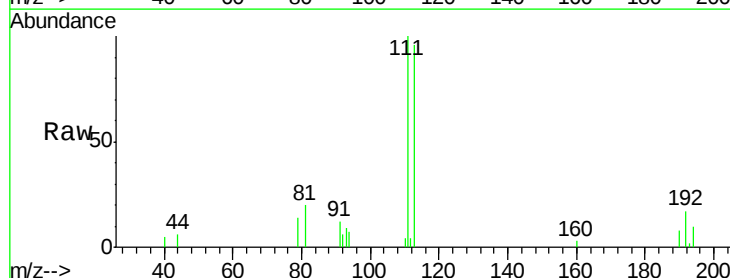
Tgt Ion:113 Resp: 6788

Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

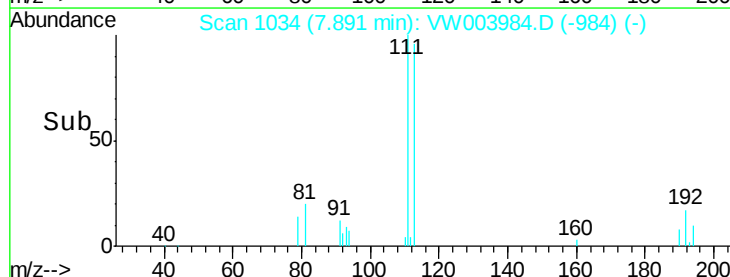
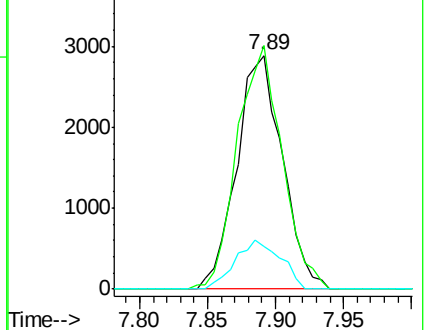
192 20.6 15.8 23.6

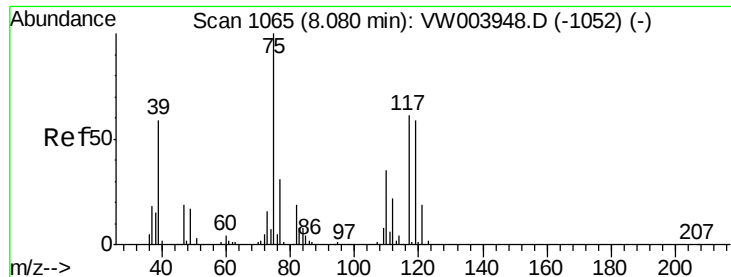


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

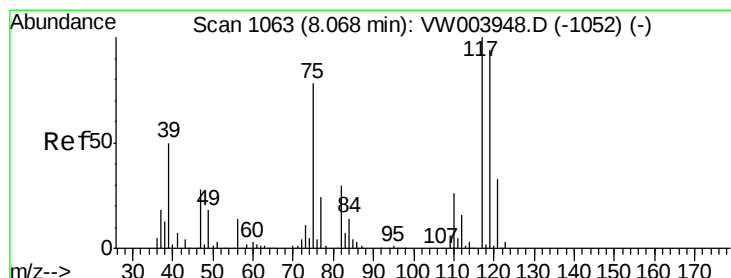
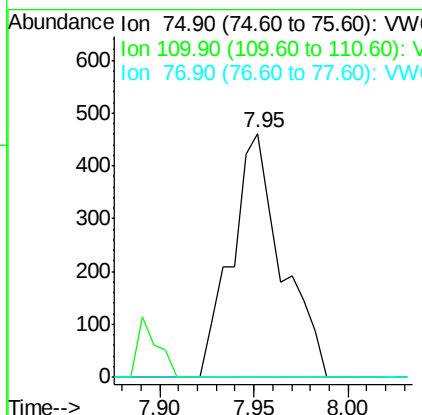
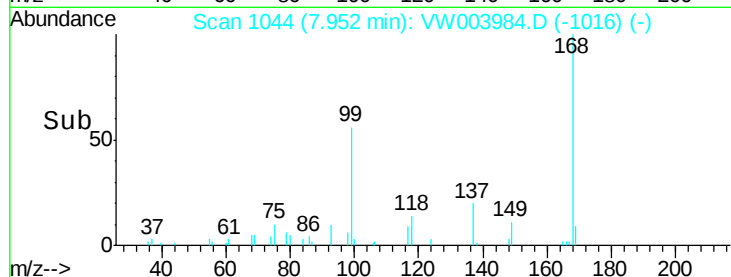
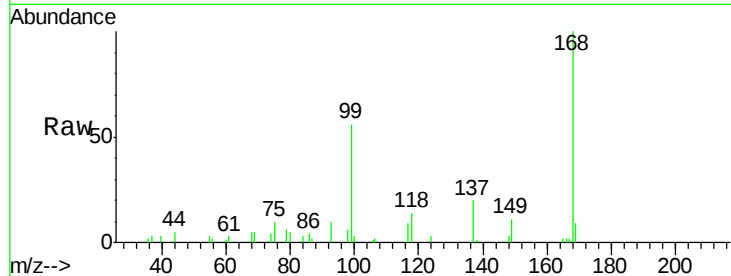




#36
 1,1-Dichloropropene
 Concen: 5.29 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003984.D
 Acq: 17 Jul 2018 14:52

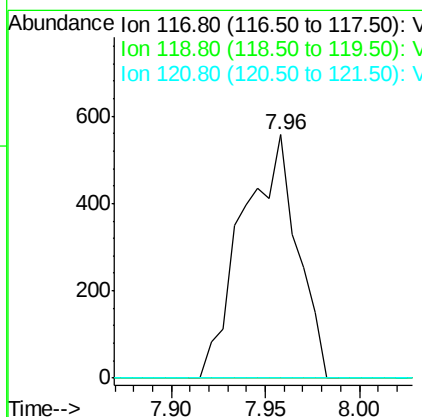
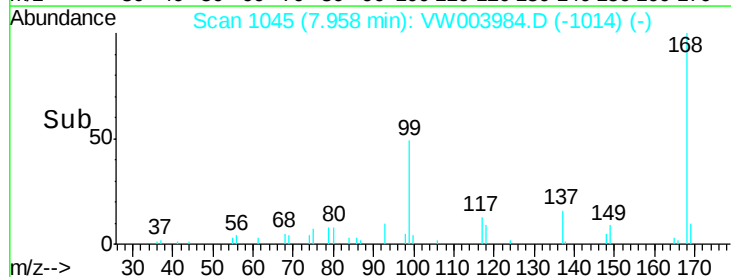
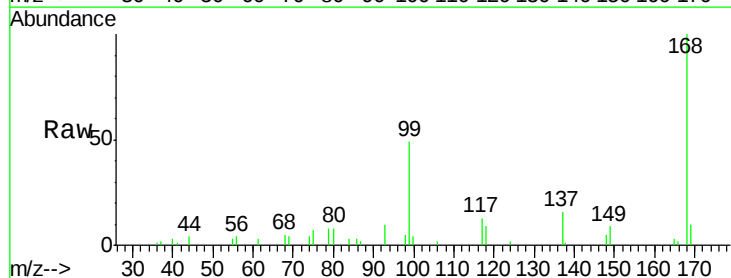
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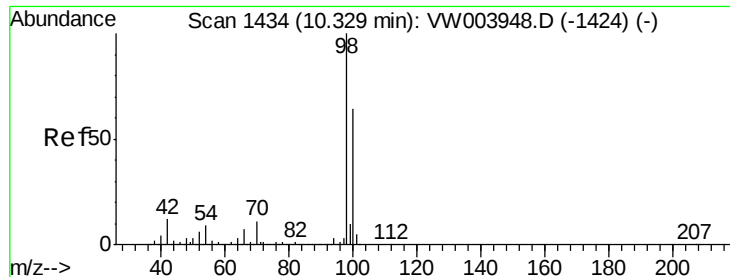
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.0	51.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 7.50 ug/l
 RT: 7.96 min Scan# 1045
 Delta R.T. -0.11 min
 Lab File: VW003984.D
 Acq: 17 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.3	112.9#
121	0.0	26.0	39.0#





#50

Toluene-d8

Concen: 23.65 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

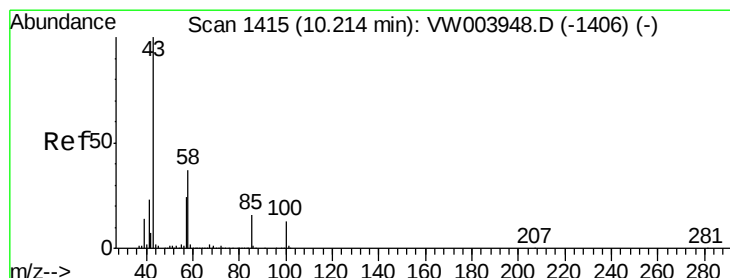
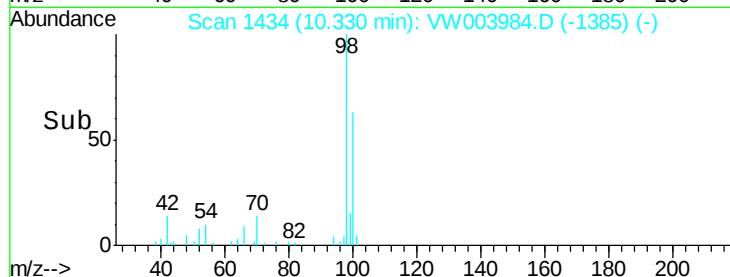
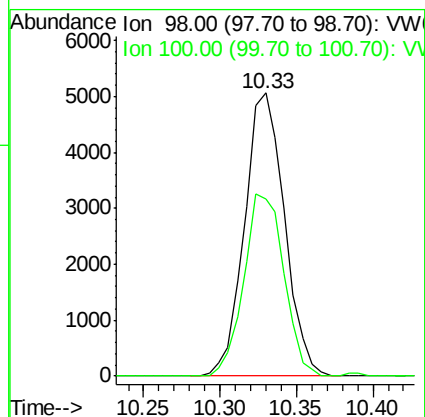
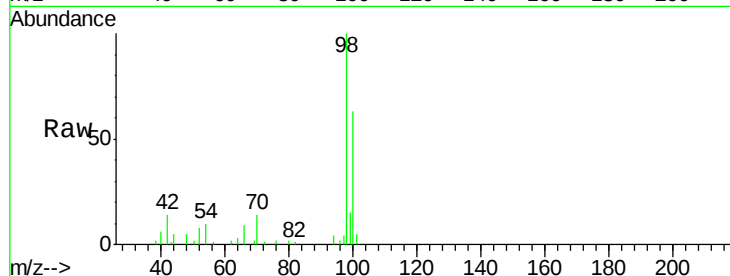
FK-PS-01-033RE

Tot Ion: 98 Resp: 9198

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.29 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VW003984.D

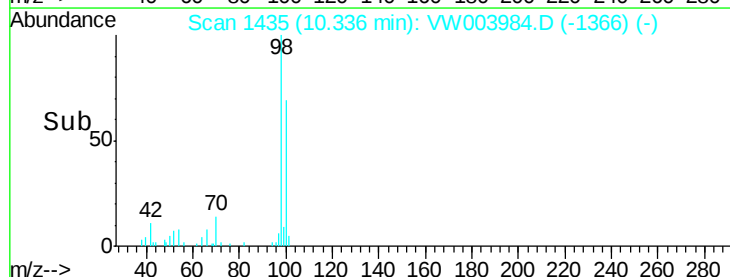
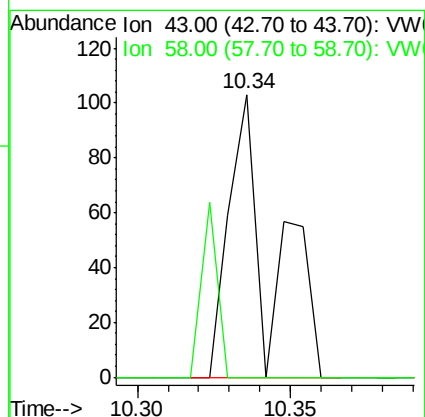
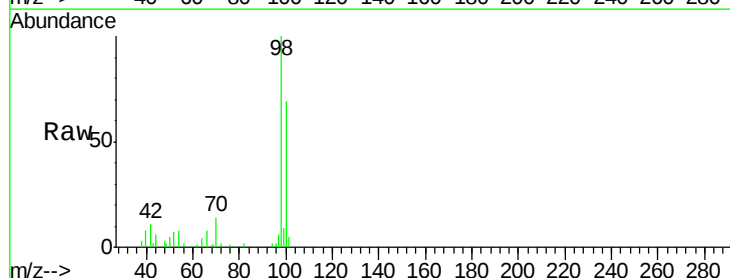
Acq: 17 Jul 2018 14:52

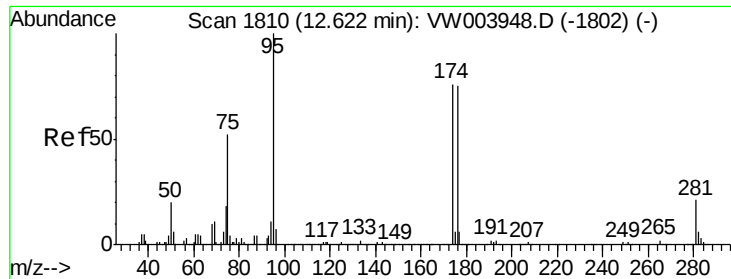
Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 23.0 29.9 44.9#

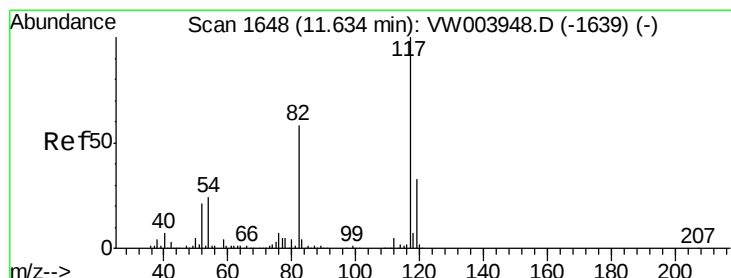
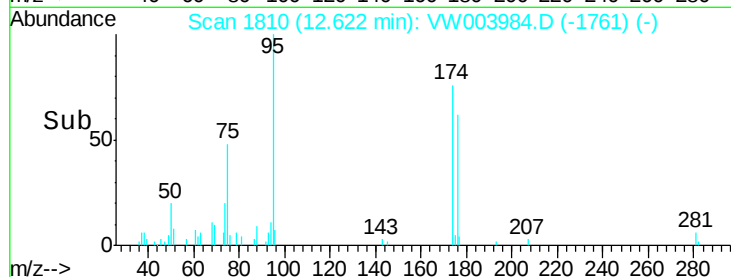
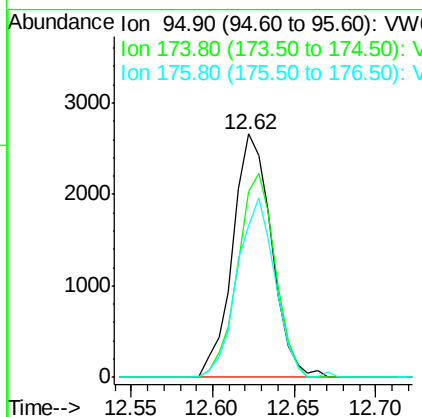
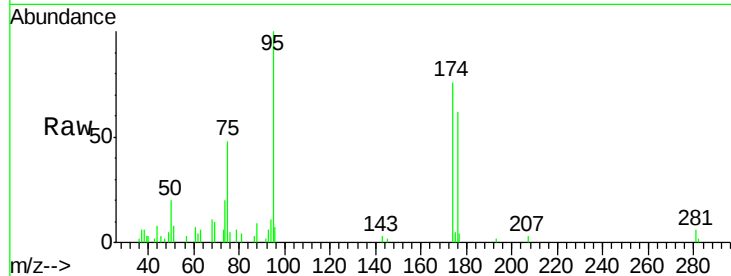




#62
4-Bromofluorobenzene
Concen: 31.48 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

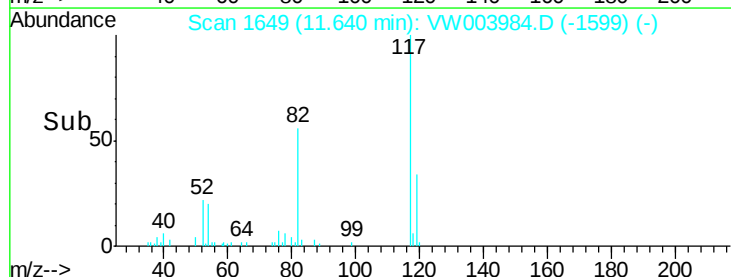
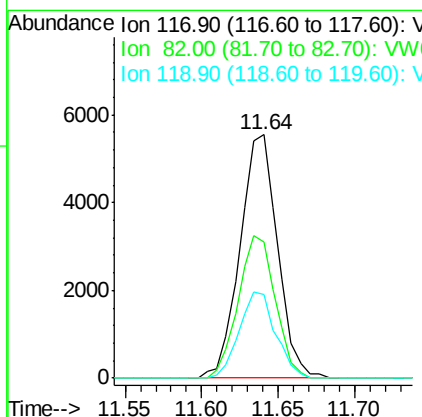
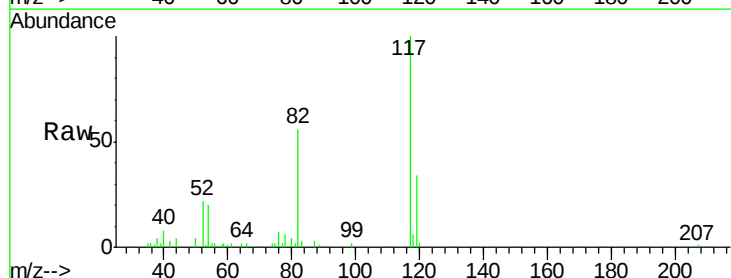
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-033RE

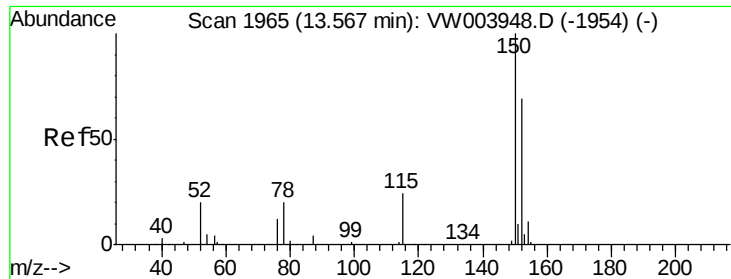
Tot Ion: 95 Resp: 4416
Ion Ratio Lower Upper
95 100
174 80.5 0.0 160.2
176 71.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

Tgt Ion: 117 Resp: 9438
Ion Ratio Lower Upper
117 100
82 56.1 46.5 69.7
119 34.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VW003984.D

Acq: 17 Jul 2018 14:52

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-033RE

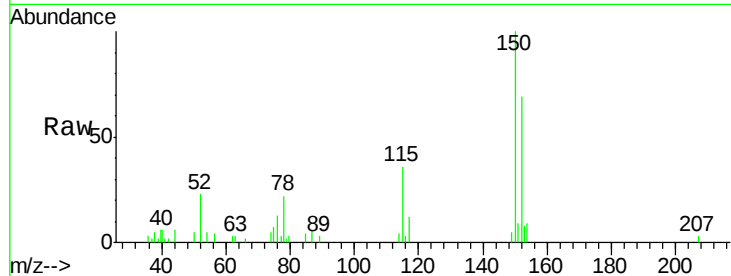
Tot Ion:152 Resp: 3478

Ion Ratio Lower Upper

152 100

115 61.0 29.2 87.6

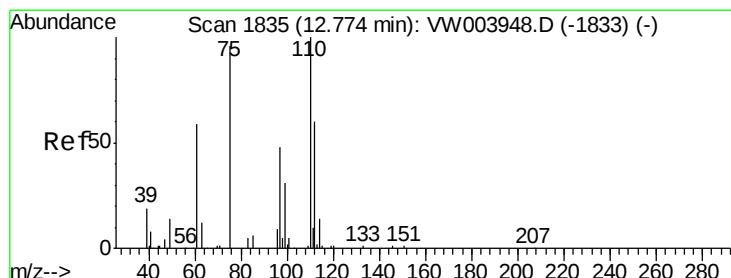
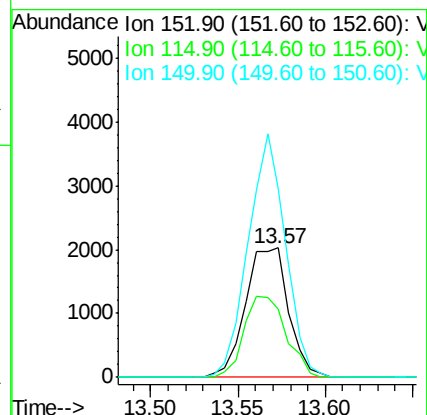
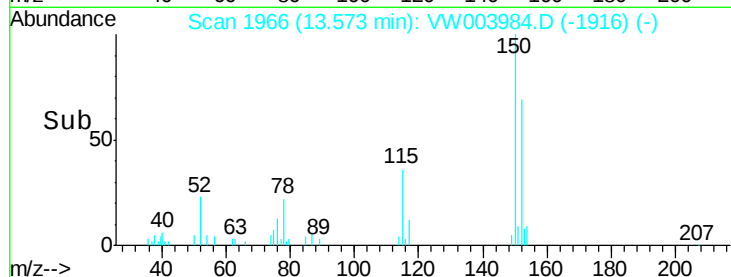
150 161.9 0.0 345.2



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: 63.92 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003984.D

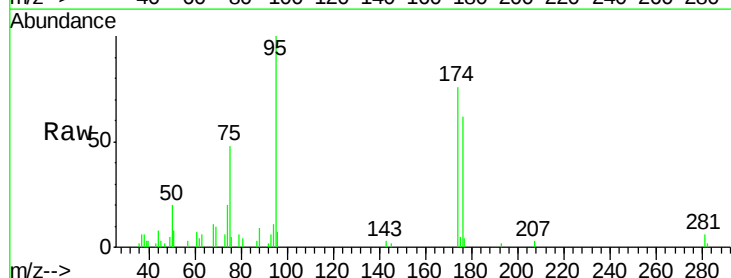
Acq: 17 Jul 2018 14:52

Tgt Ion: 75 Resp: 2207

Ion Ratio Lower Upper

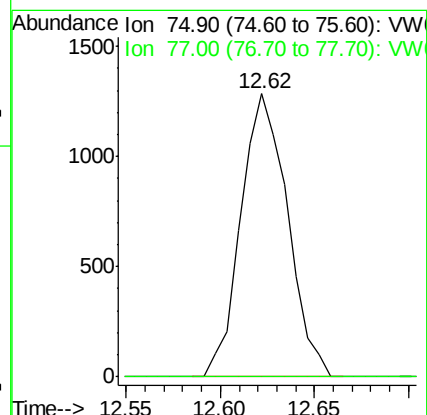
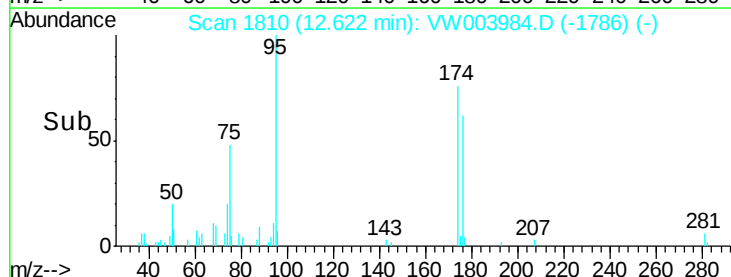
75 100

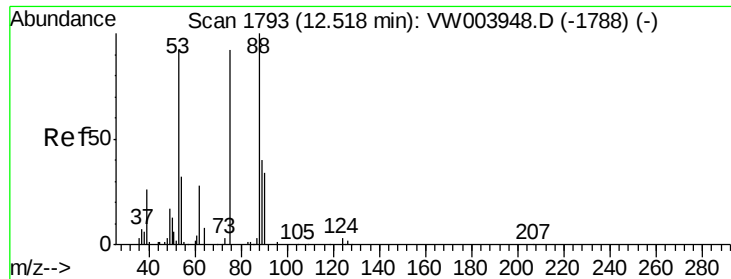
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

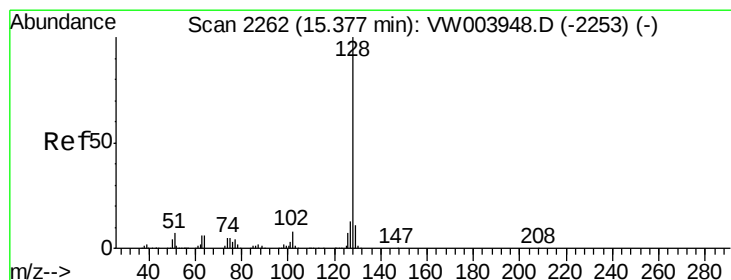
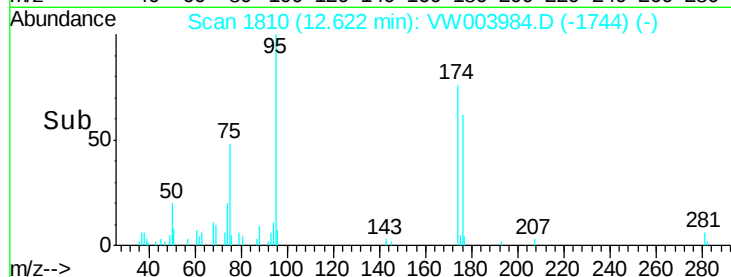
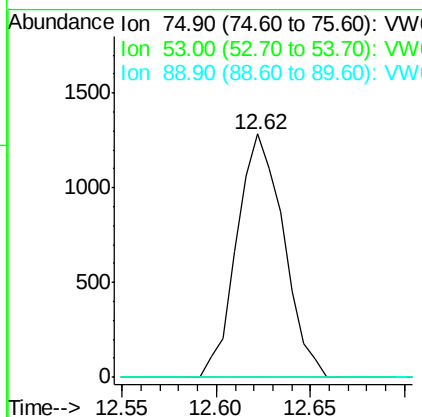
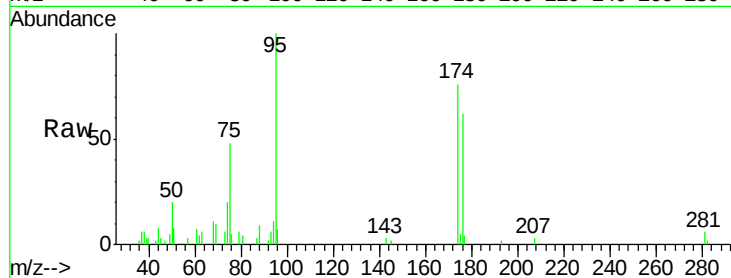




#81
trans-1,4-Dichloro-2-butene
Concen: 141.39 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-033RE

Tot Ion: 75 Resp: 2207
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 36.6 54.8#



#95
Naphthalene
Concen: 1.92 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003984.D
Acq: 17 Jul 2018 14:52

Tgt Ion: 128 Resp: 260
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

