

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062718\
 Data File : VW003590.D
 Acq On : 27 Jun 2018 01:23
 Operator : SY/AP
 Sample : J3712-02
 Misc : 10.75G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-031

Quant Time: Jun 27 07:56:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	123942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	209236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	62740	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	72398	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
35) Dibromofluoromethane	7.89	113	59455	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
50) Toluene-d8	10.33	98	161417	31.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.62%	
62) 4-Bromofluorobenzene	12.62	95	50827	27.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.72%	

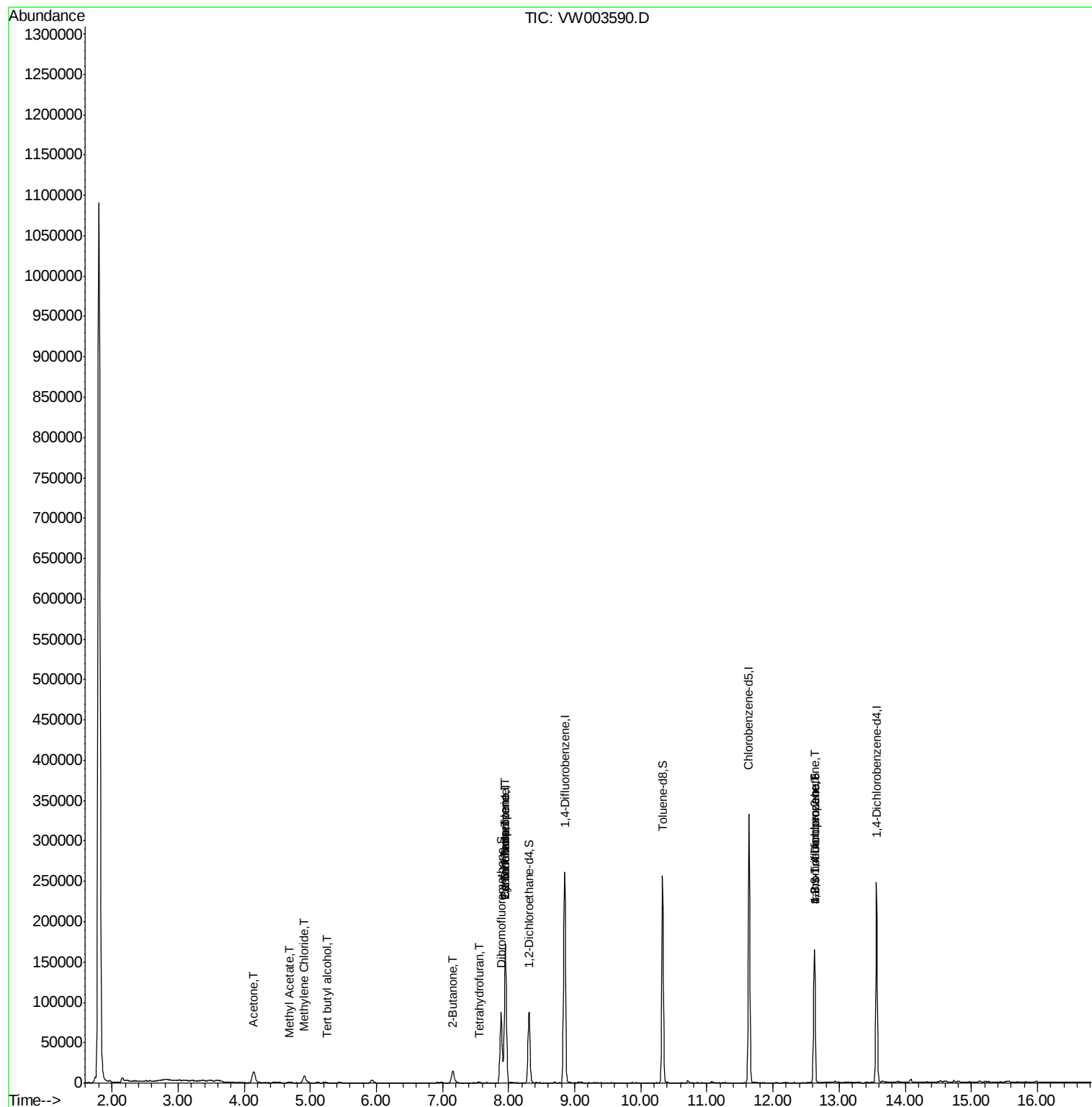
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	353	4.903	ug/l	98
16) Acetone	4.14	43	28698	101.925	ug/l	92
18) Methyl Acetate	4.68	43	1114	1.668	ug/l #	75
20) Methylene Chloride	4.91	84	6320	1.741	ug/l #	88
25) 2-Butanone	7.14	43	592	1.691	ug/l #	50
29) Tetrahydrofuran	7.57	42	524	2.449	ug/l #	46
31) Cyclohexane	7.95	56	3239	1.493	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	10027	4.962	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12454	6.283	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	27288	50.877	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	27288	117.070	ug/l #	8

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

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

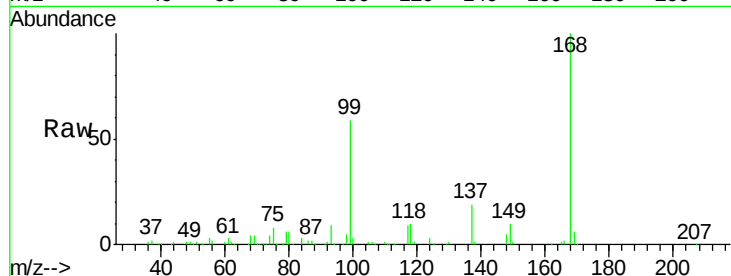
FK-PS-01-031

Tgt Ion: 168 Resp: 123942

Ion Ratio Lower Upper

168 100

99 59.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

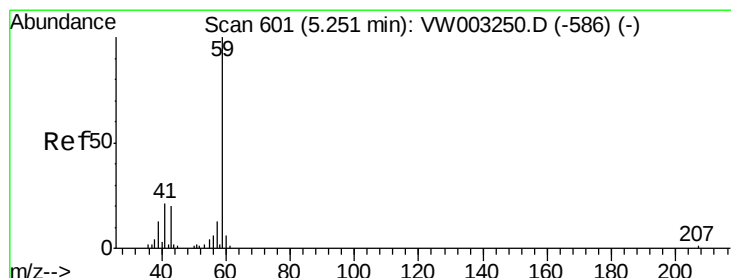
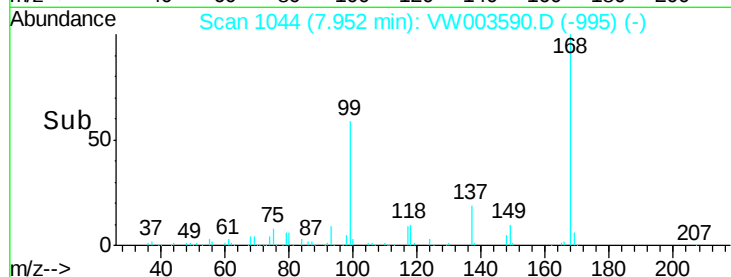
30000

20000

10000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.903 ug/l

RT: 5.26 min Scan# 603

Delta R.T. 0.01 min

Lab File: VW003590.D

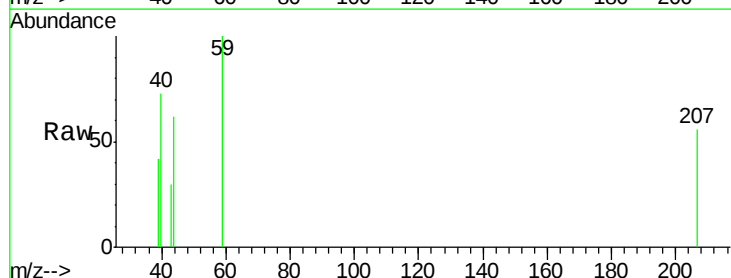
Acq: 27 Jun 2018 01:23

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 5.9 4.2 6.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.26

300

250

200

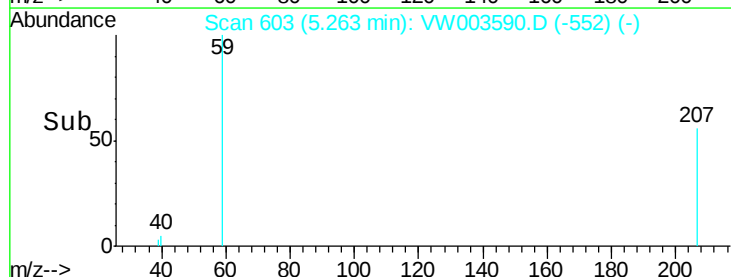
150

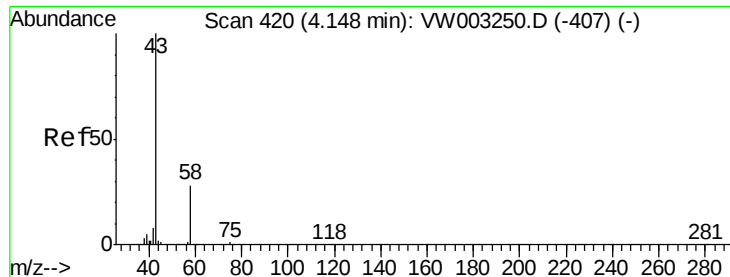
100

50

0

Time-->





#16

Acetone

Concen: 101.925 ug/l

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

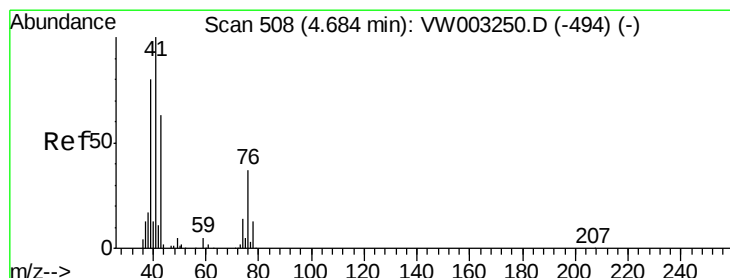
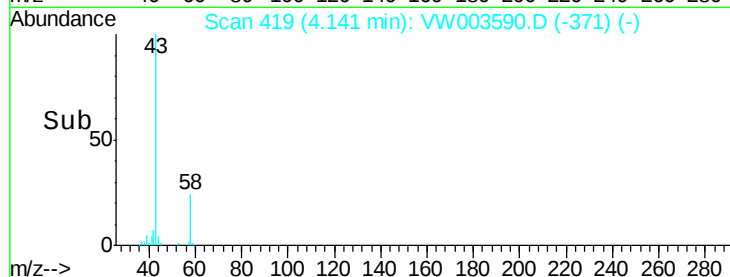
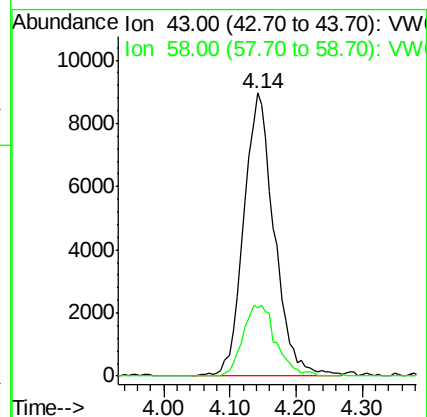
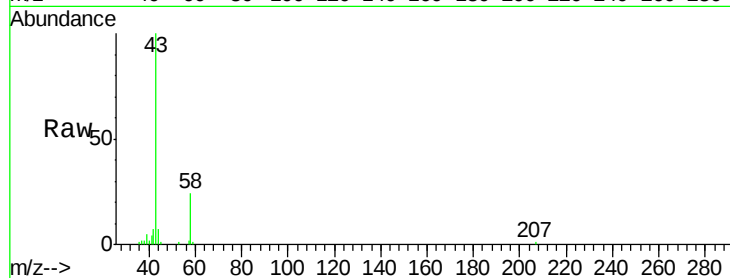
FK-PS-01-031

Tgt Ion: 43 Resp: 28698

Ion Ratio Lower Upper

43 100

58 24.1 22.6 34.0



#18

Methyl Acetate

Concen: 1.668 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.00 min

Lab File: VW003590.D

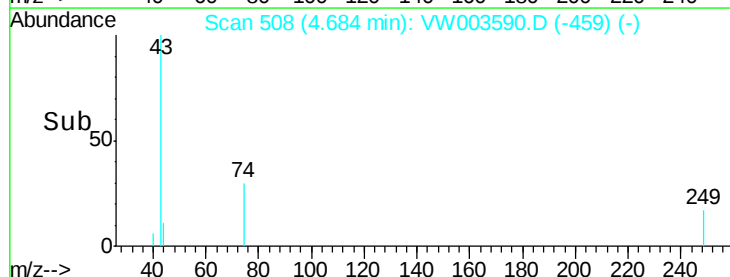
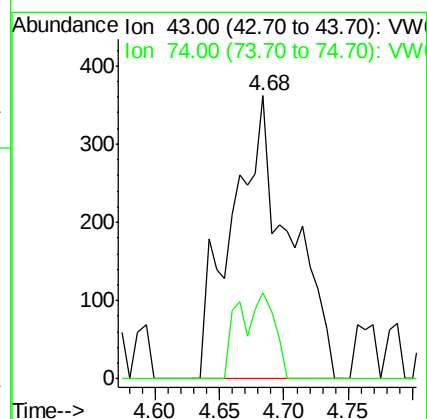
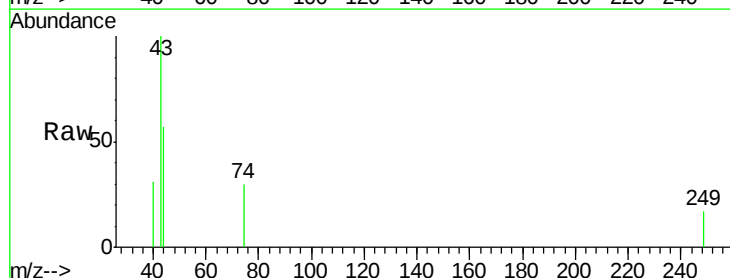
Acq: 27 Jun 2018 01:23

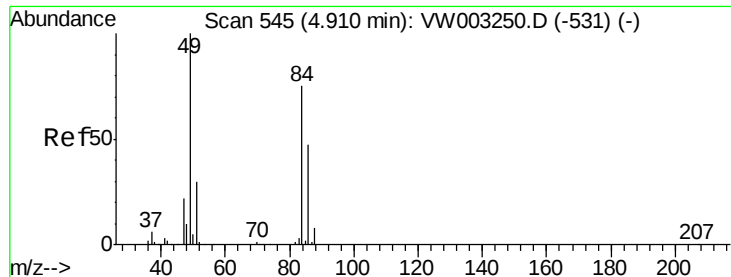
Tgt Ion: 43 Resp: 1114

Ion Ratio Lower Upper

43 100

74 11.0 18.7 28.1#





#20

Methylene Chloride

Concen: 1.741 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-031

Tgt Ion: 84 Resp: 6320

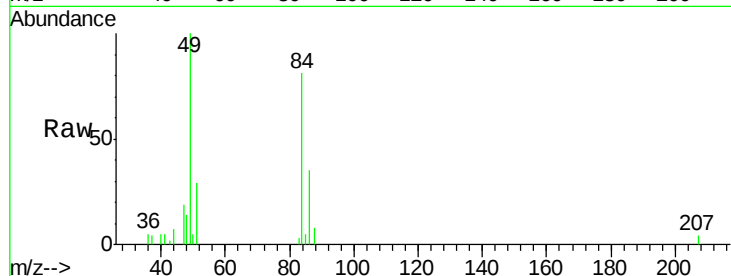
Ion Ratio Lower Upper

84 100

49 123.1 106.3 159.5

51 36.1 32.0 48.0

86 43.5 49.9 74.9#

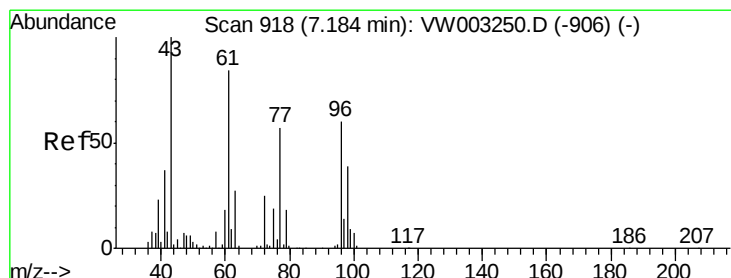
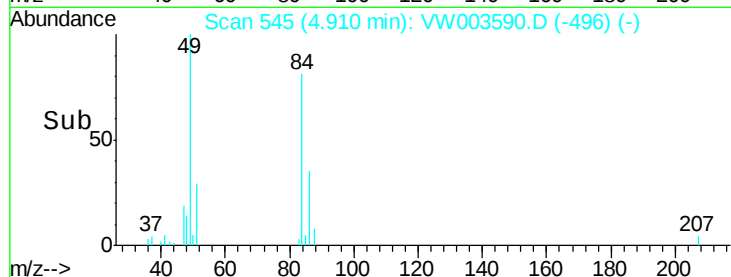
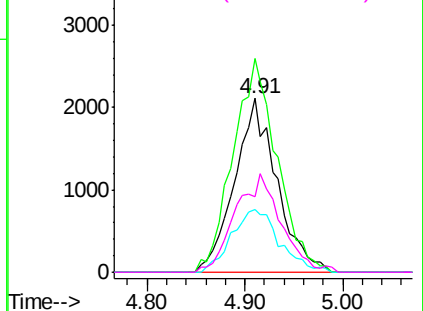


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.691 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.04 min

Lab File: VW003590.D

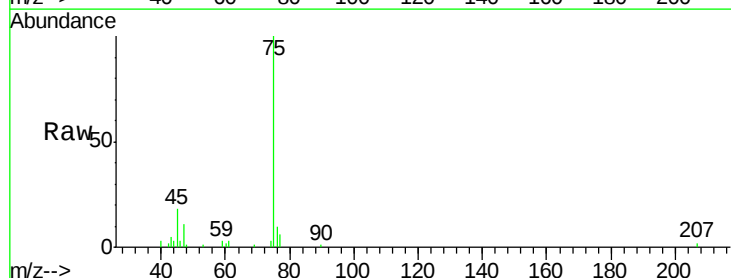
Acq: 27 Jun 2018 01:23

Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

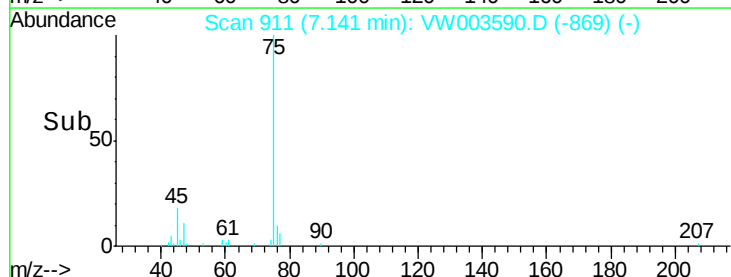
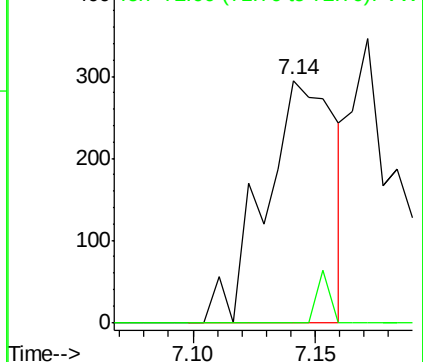
43 100

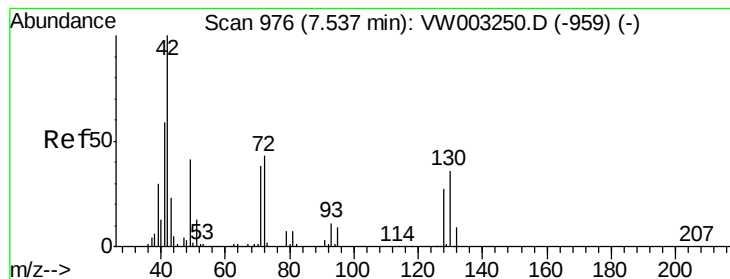
72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.449 ug/l

RT: 7.57 min Scan# 981

Delta R.T. 0.03 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

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FK-PS-01-031

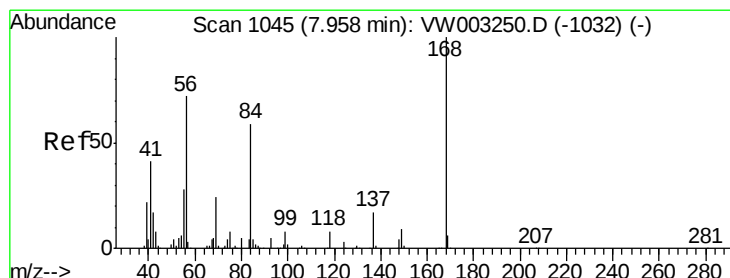
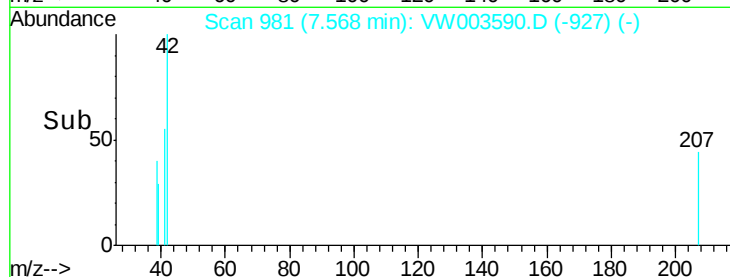
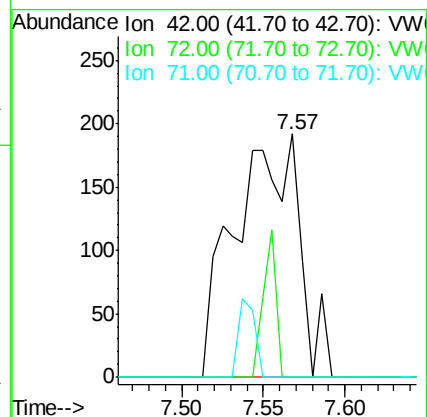
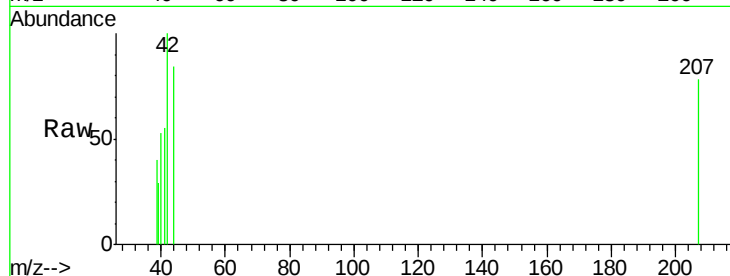
Tgt Ion: 42 Resp: 524

Ion Ratio Lower Upper

42 100

72 12.4 32.4 48.6#

71 0.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.493 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

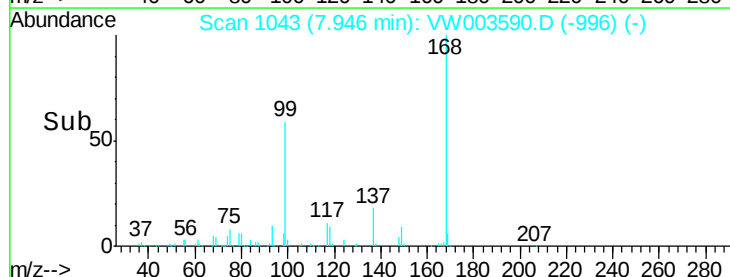
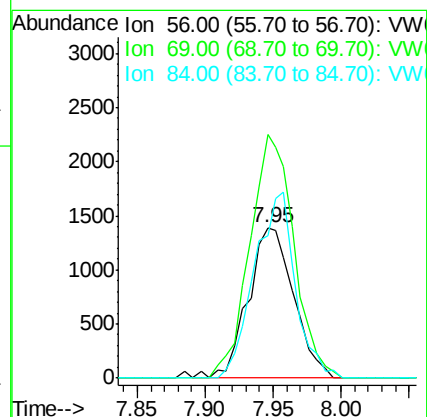
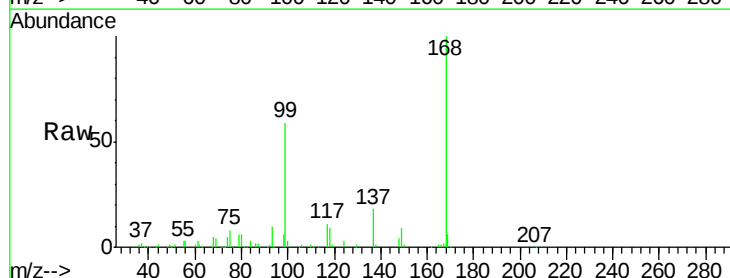
Tgt Ion: 56 Resp: 3239

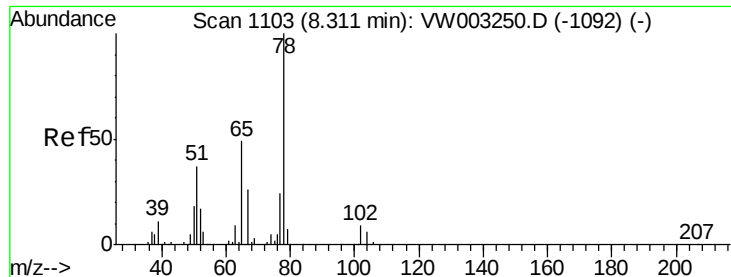
Ion Ratio Lower Upper

56 100

69 162.1 26.3 39.5#

84 94.6 65.7 98.5

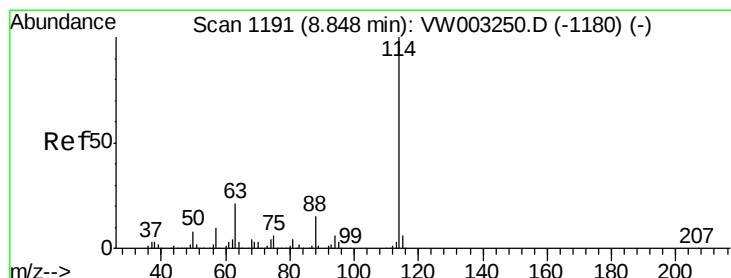
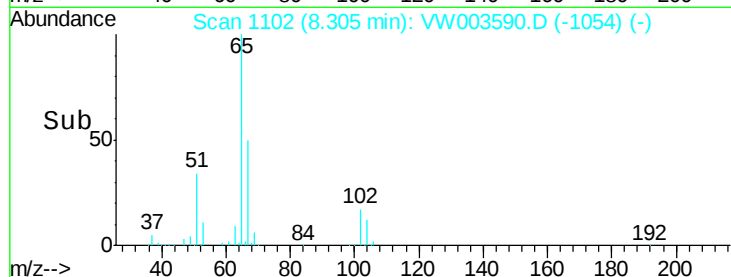
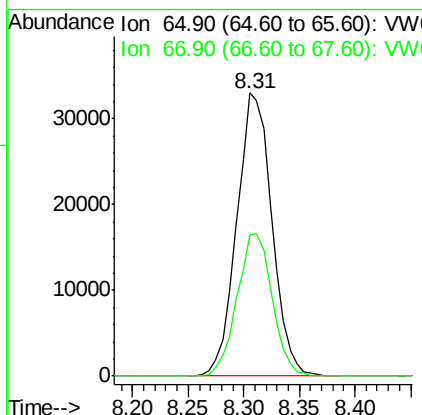
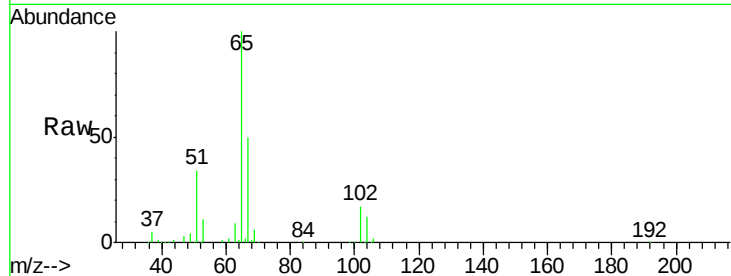




#33
 1,2-Dichloroethane-d4
 Concen: 53.928 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW003590.D
 Acq: 27 Jun 2018 01:23

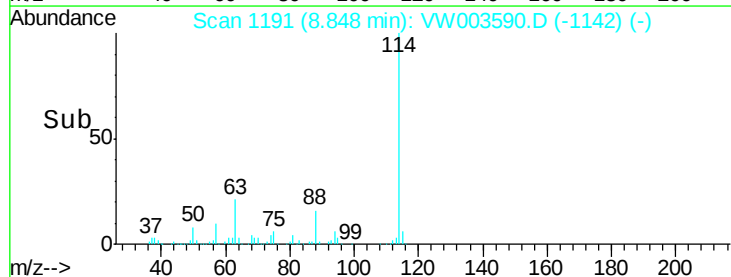
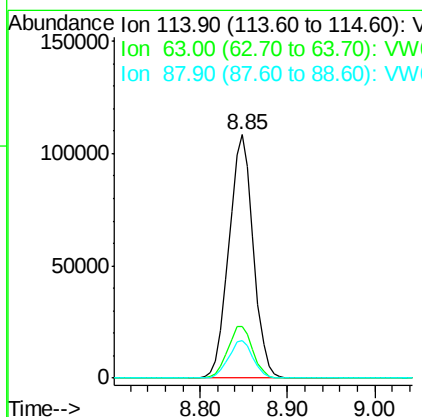
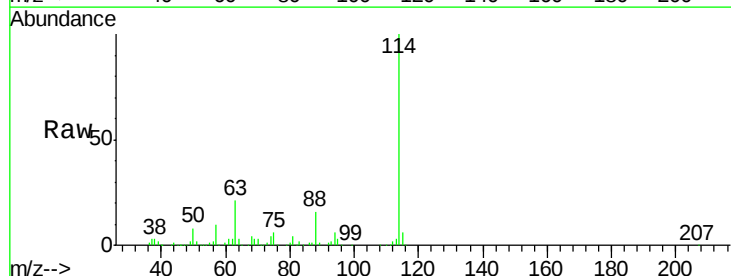
Instrument :
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 FK-PS-01-031

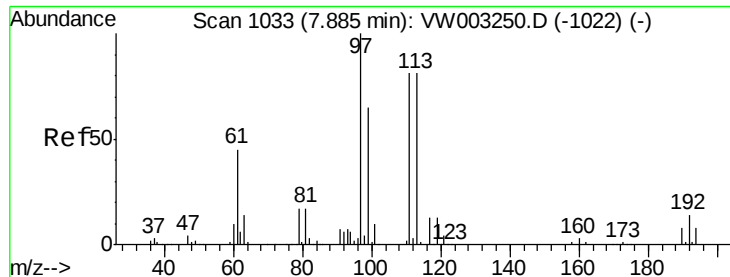
Tgt Ion: 65 Resp: 72398
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003590.D
 Acq: 27 Jun 2018 01:23

Tgt Ion: 114 Resp: 209236
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.0
 88 15.6 0.0 29.6

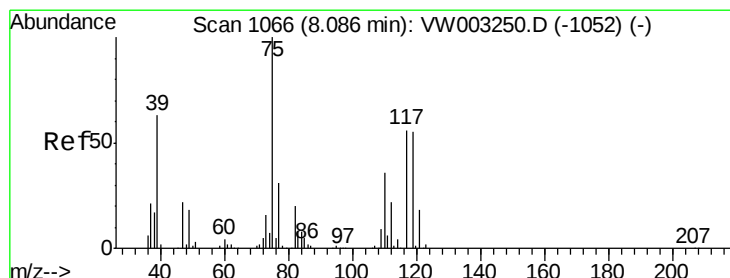
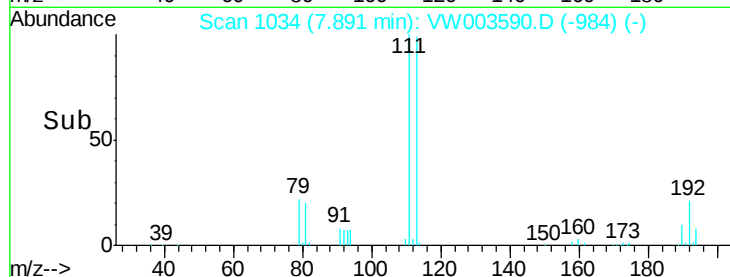
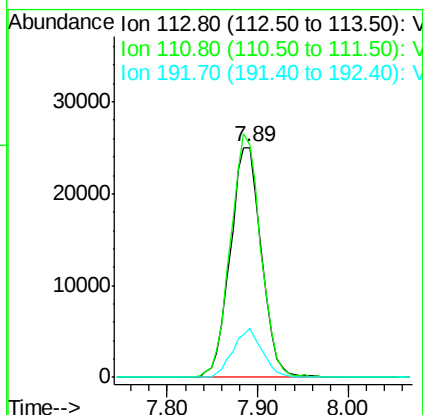
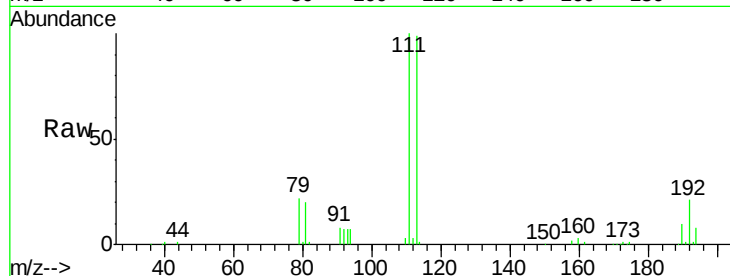




#35
 Dibromofluoromethane
 Concen: 45.730 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003590.D
 Acq: 27 Jun 2018 01:23

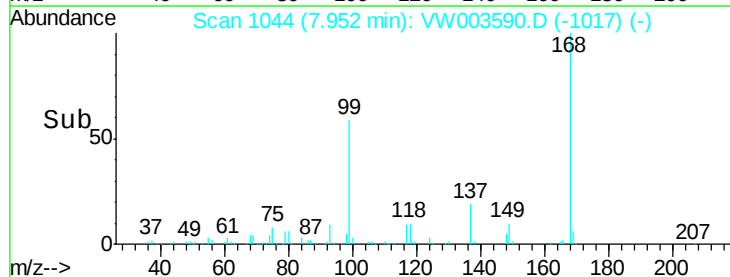
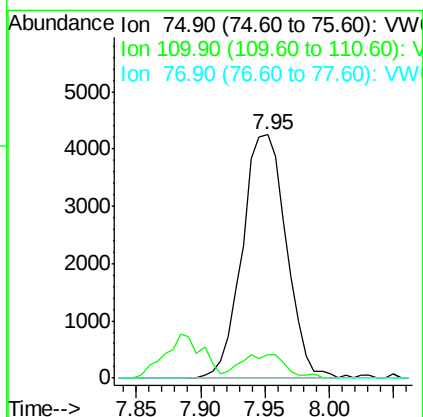
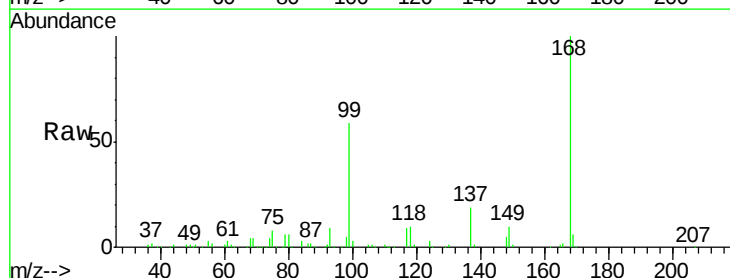
Instrument :
 MSVOA_W
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 FK-PS-01-031

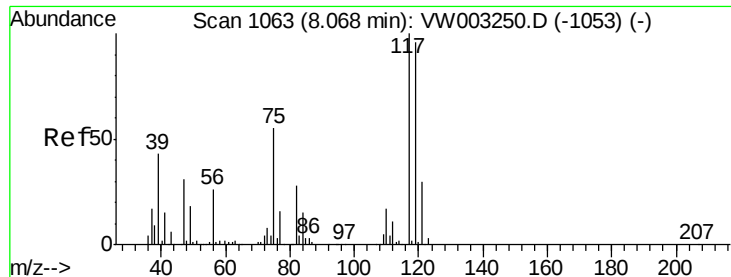
Tgt Ion:113 Resp: 59455
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.2
 192 19.9 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003590.D
 Acq: 27 Jun 2018 01:23

Tgt Ion: 75 Resp: 10027
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.1 51.3#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.283 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-031

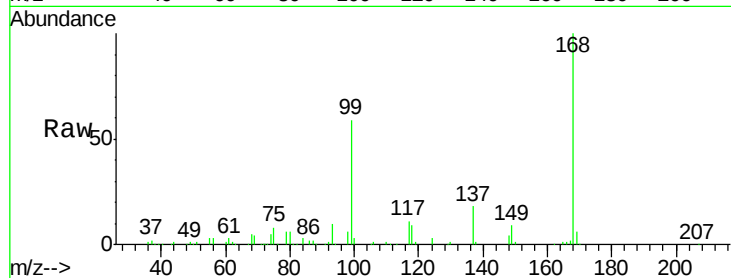
Tgt Ion:117 Resp: 12454

Ion Ratio Lower Upper

117 100

119 7.4 76.6 115.0#

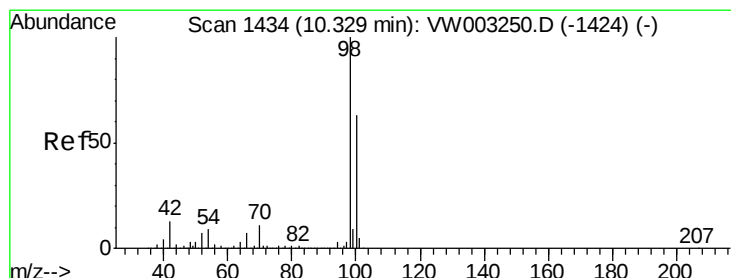
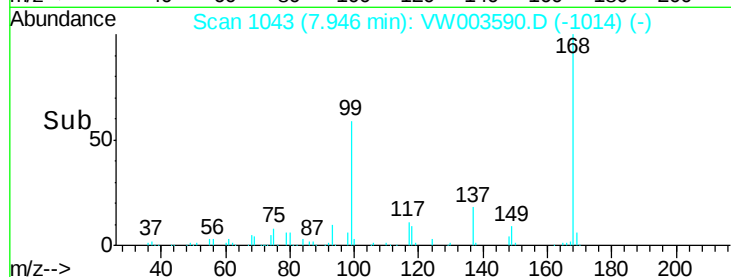
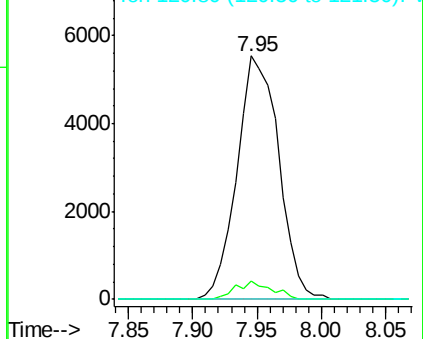
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 31.311 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003590.D

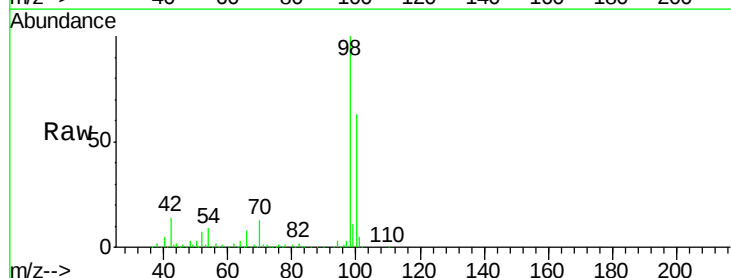
Acq: 27 Jun 2018 01:23

Tgt Ion: 98 Resp: 161417

Ion Ratio Lower Upper

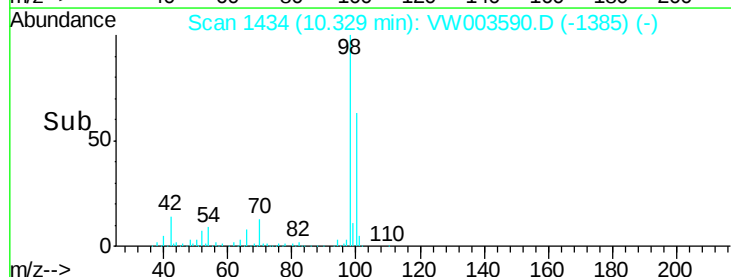
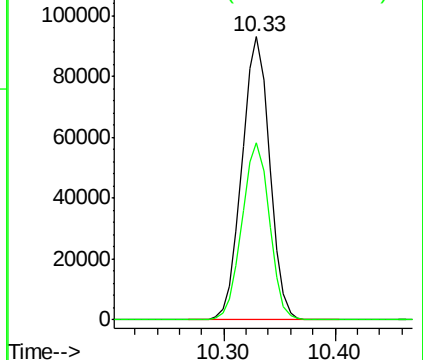
98 100

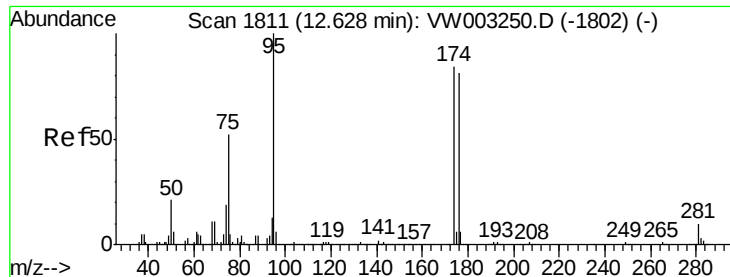
100 62.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 27.859 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-031

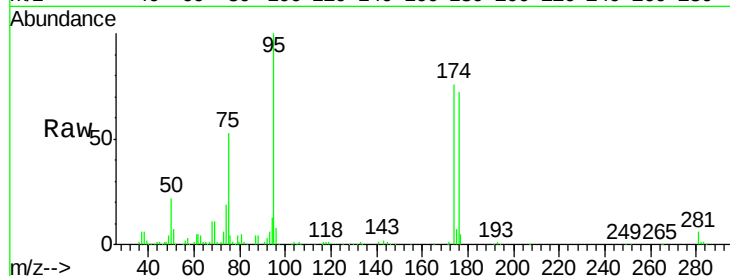
Tgt Ion: 95 Resp: 50827

Ion Ratio Lower Upper

95 100

174 84.6 0.0 166.4

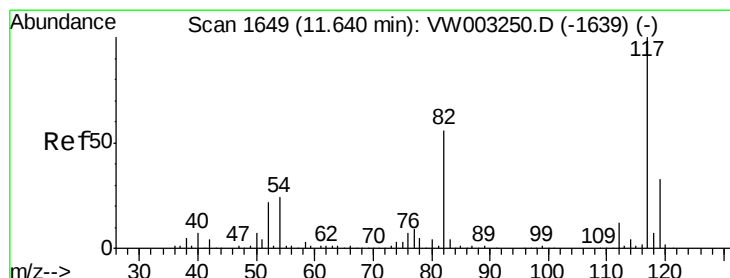
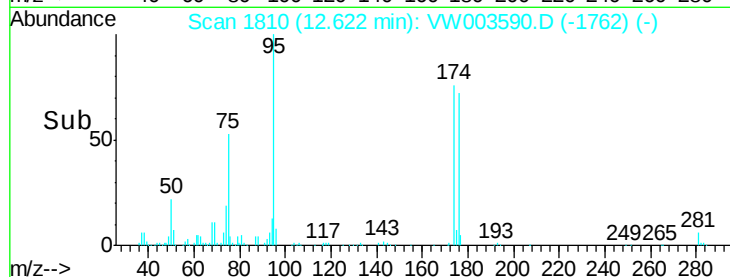
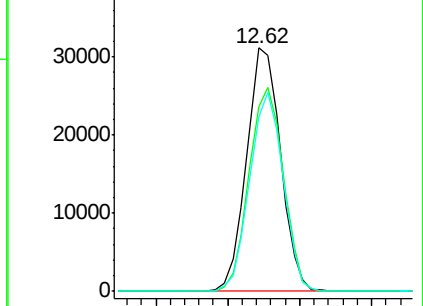
176 80.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

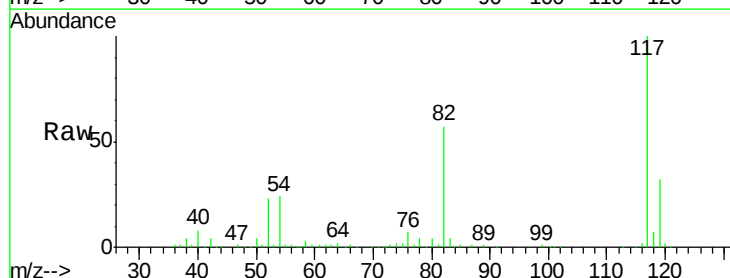
Tgt Ion: 117 Resp: 177006

Ion Ratio Lower Upper

117 100

82 56.9 44.6 67.0

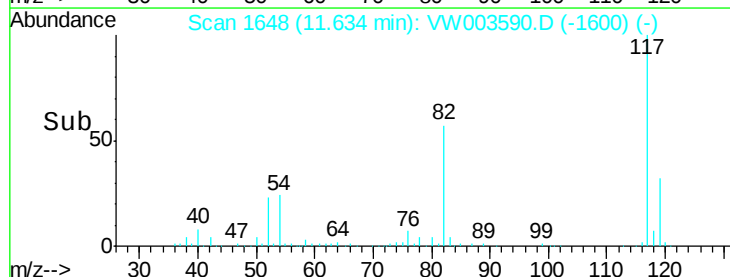
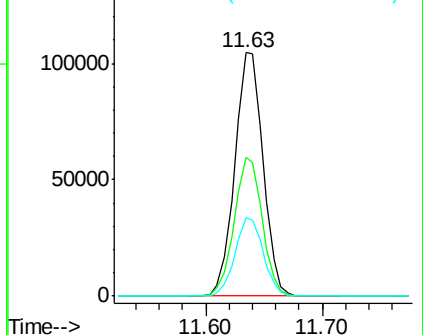
119 32.1 26.7 40.1

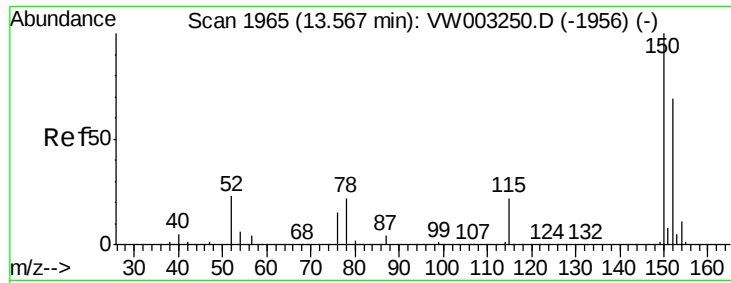


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-031

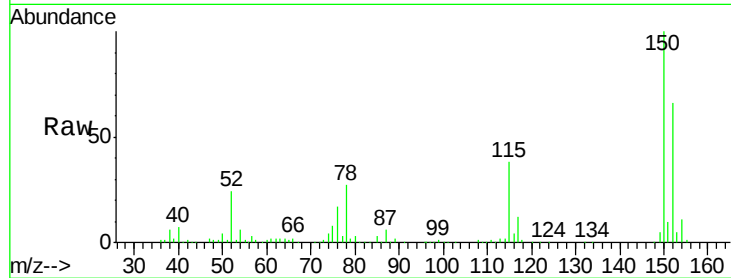
Tgt Ion:152 Resp: 62740

Ion Ratio Lower Upper

152 100

115 57.7 29.3 88.0

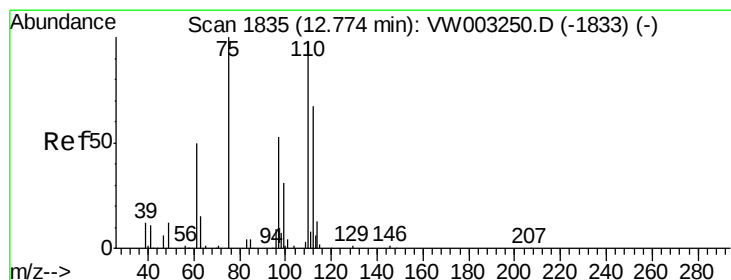
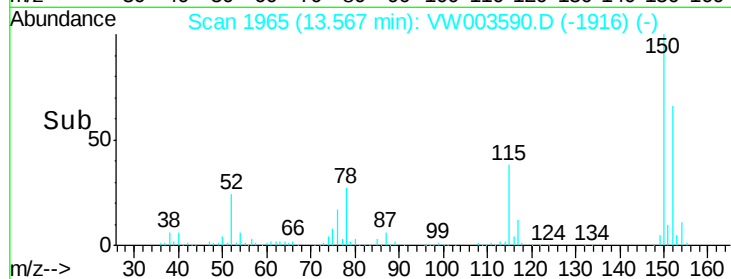
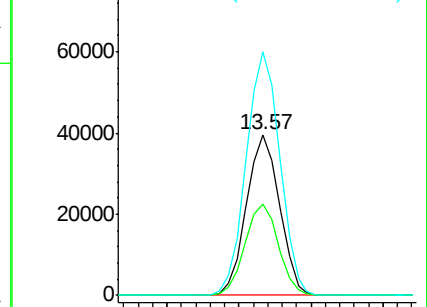
150 154.7 0.0 349.6



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: 50.877 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003590.D

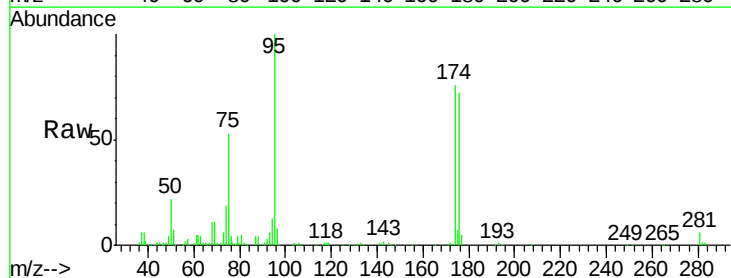
Acq: 27 Jun 2018 01:23

Tgt Ion: 75 Resp: 27288

Ion Ratio Lower Upper

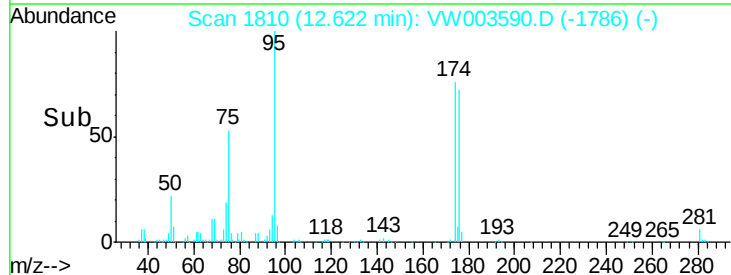
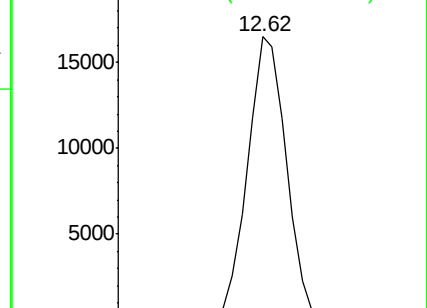
75 100

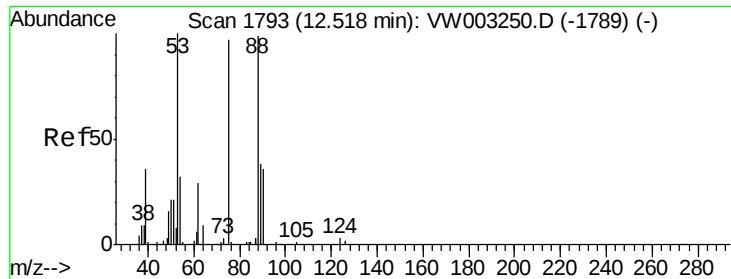
77 1.7 0.0 0.0#



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: 117.070 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003590.D

Acq: 27 Jun 2018 01:23

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-031

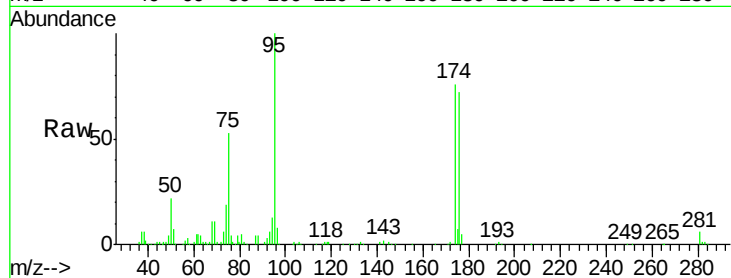
Tgt Ion: 75 Resp: 27288

Ion Ratio Lower Upper

75 100

53 0.2 82.9 124.3#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

