

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010720.D
 Acq On : 06 Jun 2019 19:58
 Operator : SY/VA
 Sample : K3246-02
 Misc : 6.25G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-047

Quant Time: Jun 07 07:40:48 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	192713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109840	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	145352	63.99	ug/l	0.00
Spiked Amount			Recovery	=	127.98%	
35) Dibromofluoromethane	7.88	113	104928	58.00	ug/l	0.00
Spiked Amount			Recovery	=	116.00%	
50) Toluene-d8	10.32	98	431088	54.34	ug/l	0.00
Spiked Amount			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.62	95	140709	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	

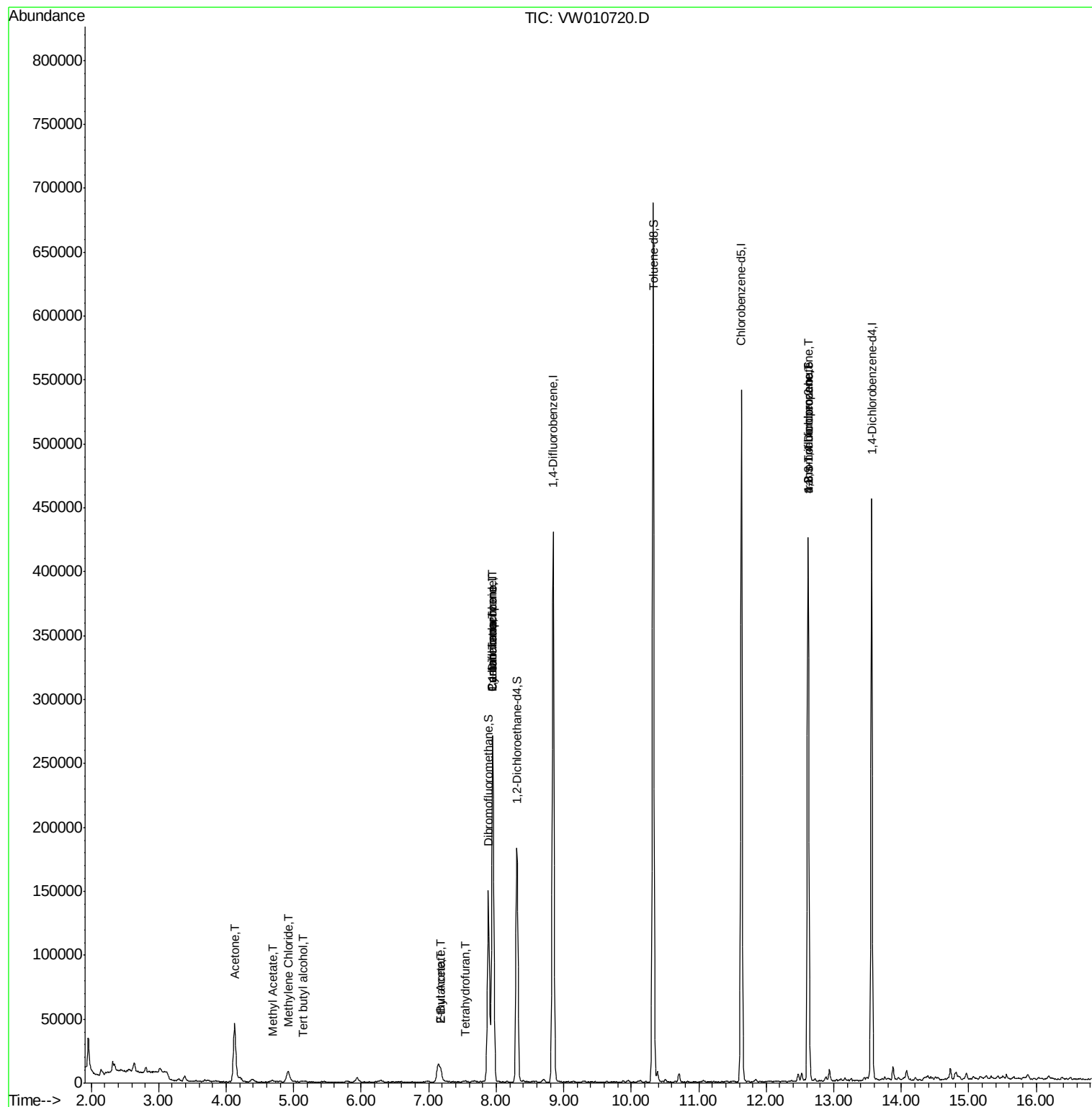
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.14	59	582	3.145	ug/l #	72
16) Acetone	4.12	43	80835	132.814	ug/l	97
18) Methyl Acetate	4.68	43	2440	1.862	ug/l #	58
20) Methylene Chloride	4.92	84	5328	2.495	ug/l	93
25) 2-Butanone	7.18	43	15253	18.073	ug/l	98
29) Tetrahydrofuran	7.54	42	604	1.138	ug/l #	73
31) Cyclohexane	7.95	56	8567	1.869	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	17003	4.983	ug/l #	51
37) Ethyl Acetate	7.18	43	15253	8.067	ug/l #	72
38) Carbon Tetrachloride	7.95	117	19913	6.761	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	75138	65.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75138	149.715	ug/l #	5

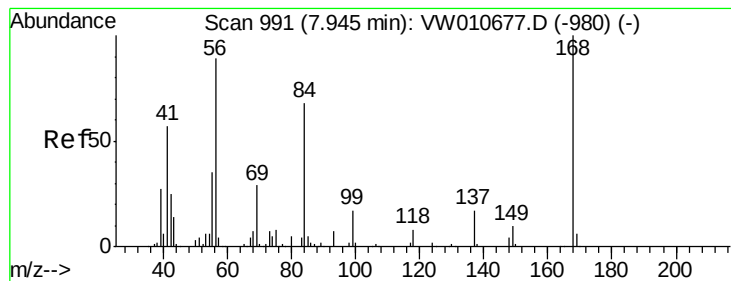
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010720.D

Acq: 06 Jun 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

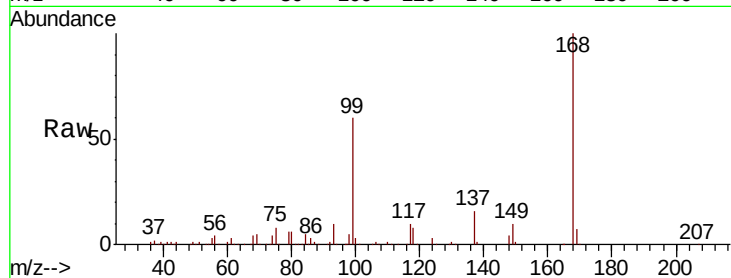
FK-PS-01-047

Tot Ion:168 Resp: 192713

Ion Ratio Lower Upper

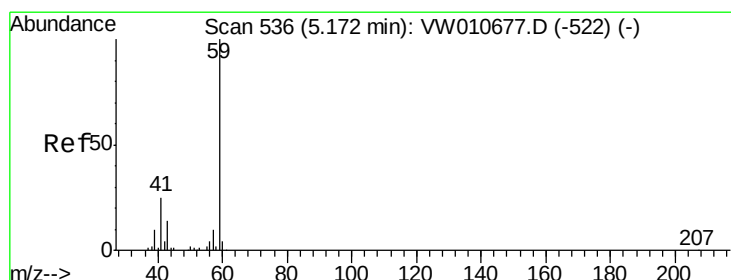
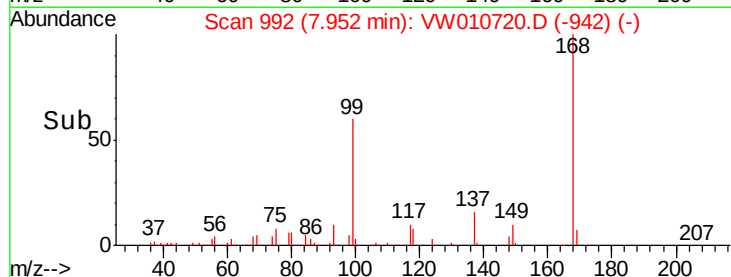
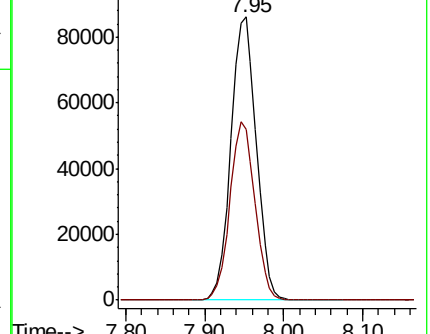
168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 3.145 ug/l

RT: 5.14 min Scan# 531

Delta R.T. -0.03 min

Lab File: VW010720.D

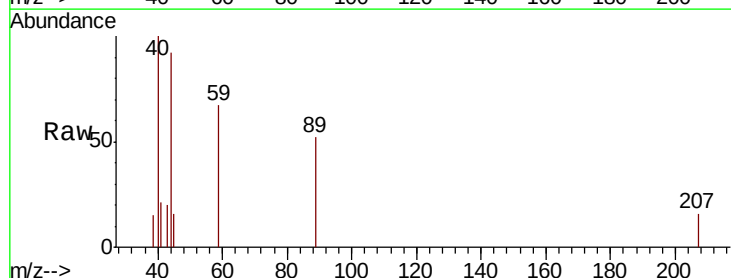
Acq: 06 Jun 2019 19:58

Tgt Ion: 59 Resp: 582

Ion Ratio Lower Upper

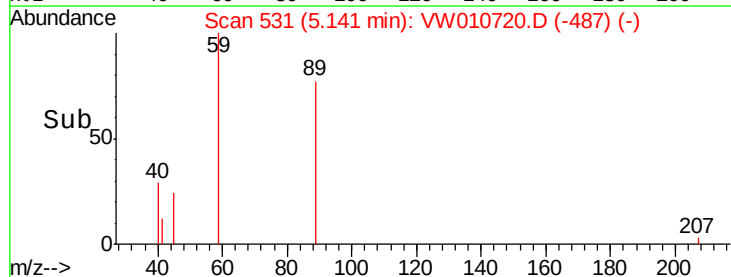
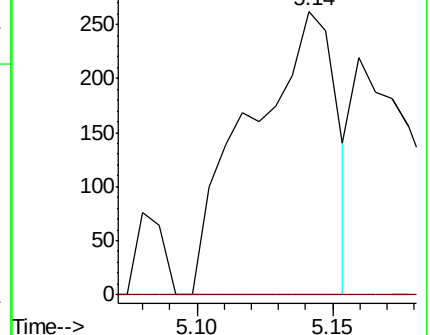
59 100

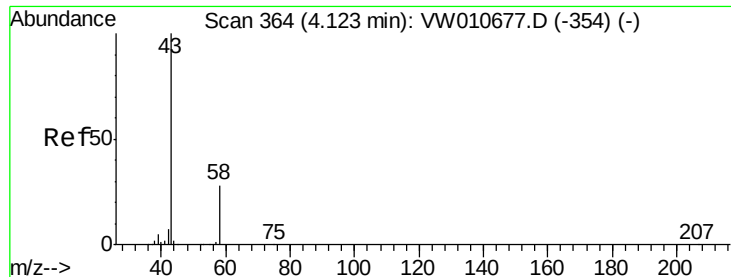
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 132.814 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010720.D

Acq: 06 Jun 2019 19:58

Instrument :

MSVOA_W

ClientSampled :

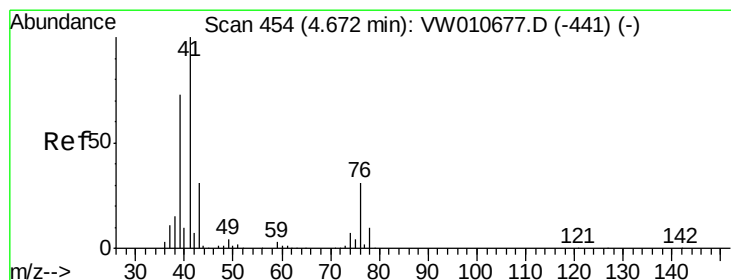
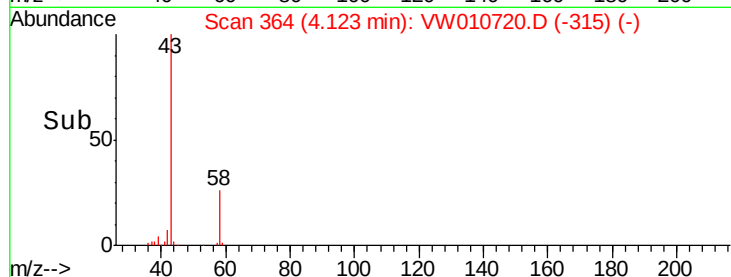
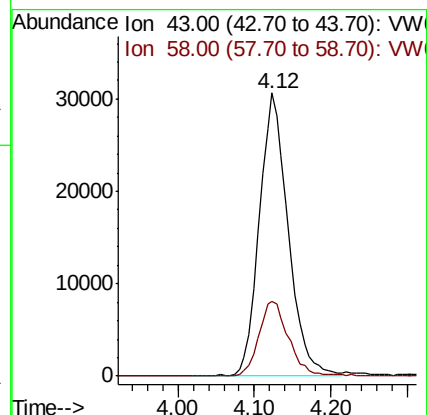
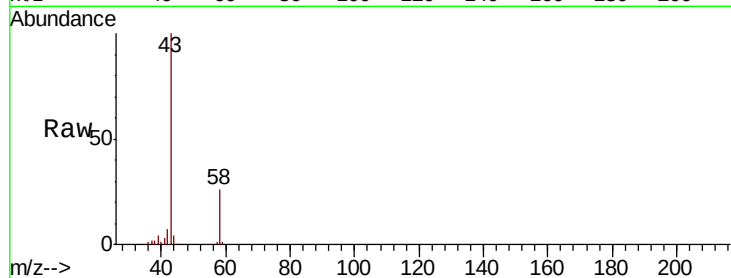
FK-PS-01-047

Tot Ion: 43 Resp: 80835

Ion Ratio Lower Upper

43 100

58 26.2 22.1 33.1



#18

Methyl Acetate

Concen: 1.862 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW010720.D

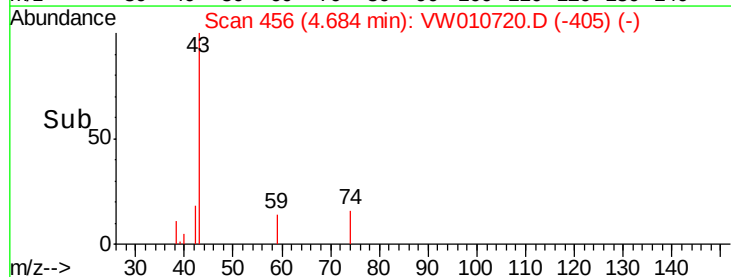
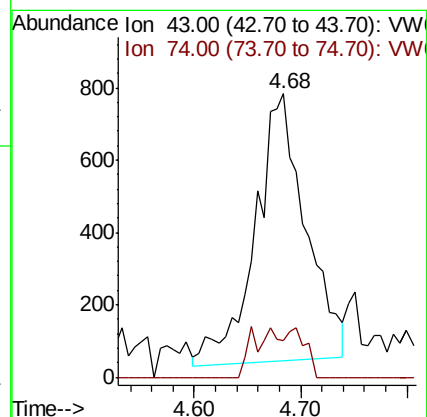
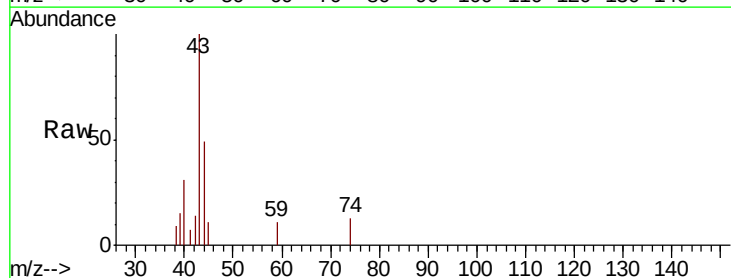
Acq: 06 Jun 2019 19:58

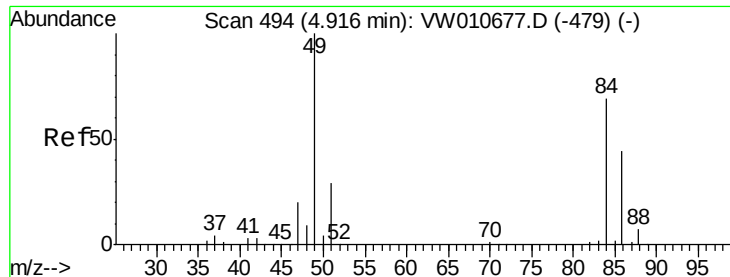
Tgt Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

74 1.4 16.7 25.1#

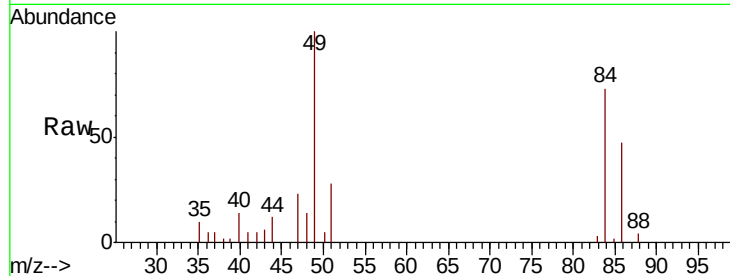




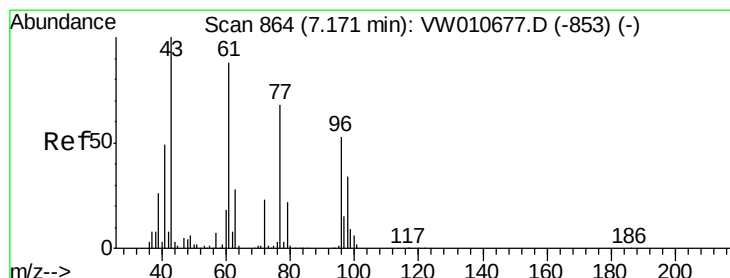
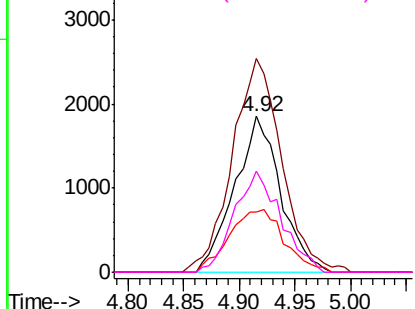
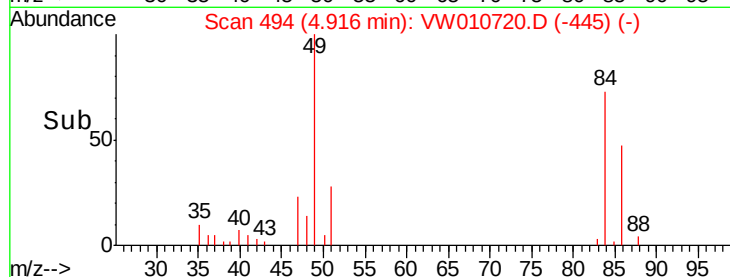
#20
Methylene Chloride
Concen: 2.495 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047

Tot Ion: 84 Resp: 5328
Ion Ratio Lower Upper
84 100
49 133.9 116.7 175.1
51 39.0 34.2 51.2
86 64.7 51.2 76.8

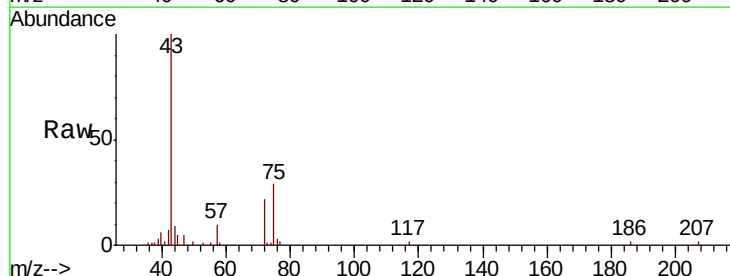


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

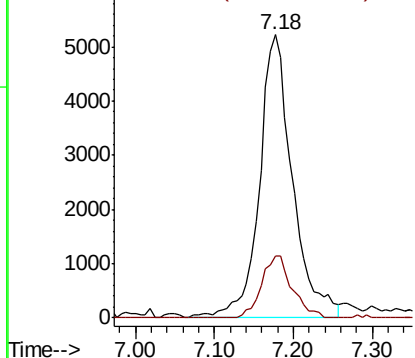
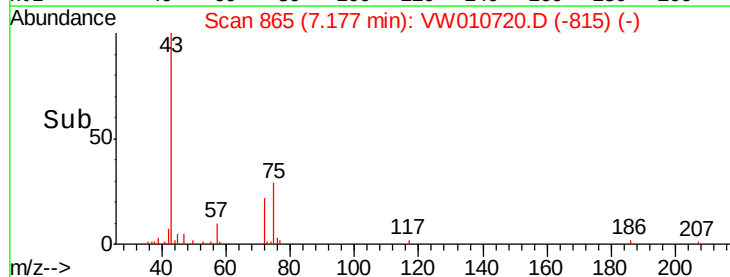


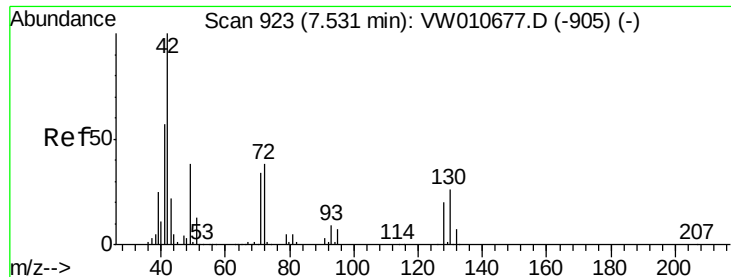
#25
2-Butanone
Concen: 18.073 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Tgt Ion: 43 Resp: 15253
Ion Ratio Lower Upper
43 100
72 21.8 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

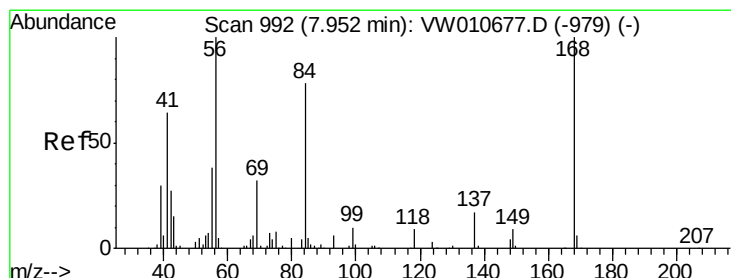
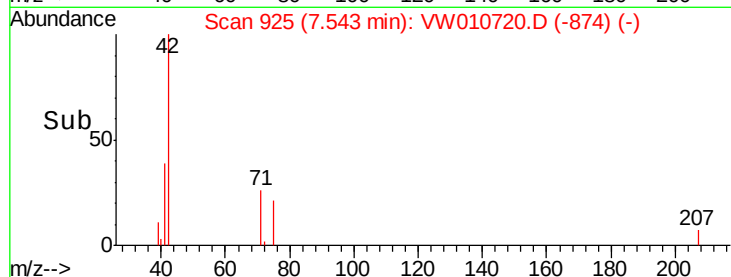
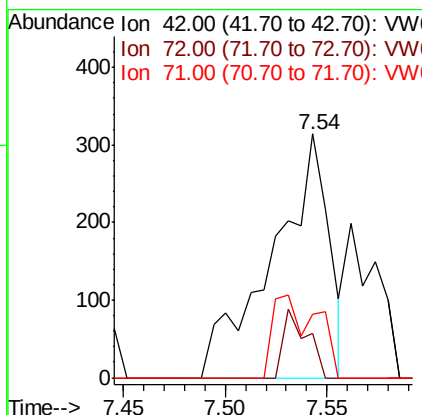
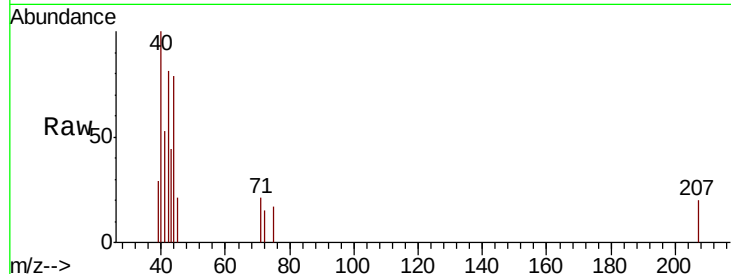




#29
Tetrahydrofuran
Concen: 1.138 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

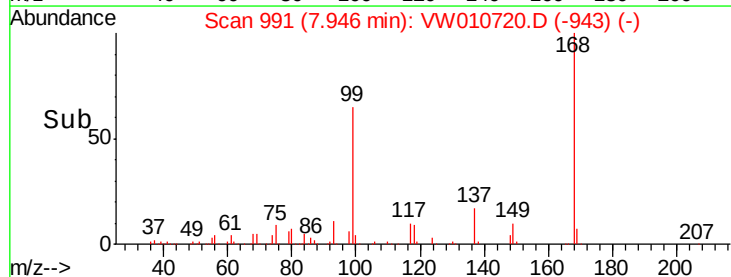
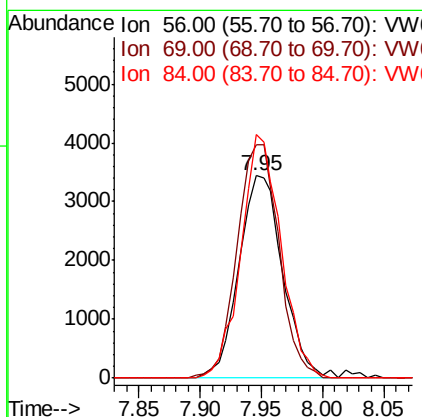
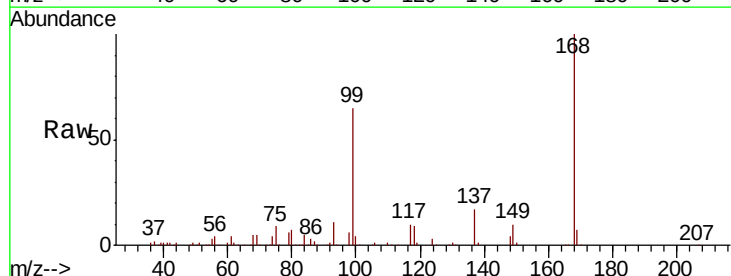
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047

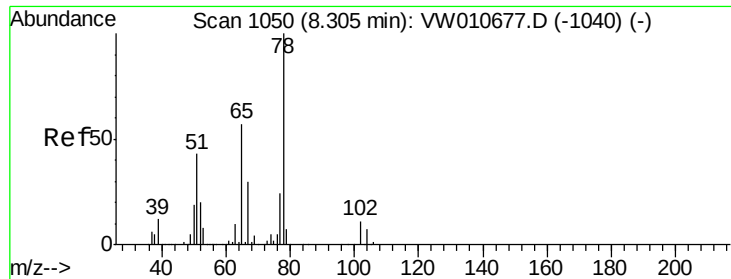
Tot Ion: 42 Resp: 604
Ion Ratio Lower Upper
42 100
72 11.9 28.7 43.1#
71 26.0 26.6 39.8#



#31
Cyclohexane
Concen: 1.869 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Tgt Ion: 56 Resp: 8567
Ion Ratio Lower Upper
56 100
69 115.6 25.2 37.8#
84 120.4 62.2 93.2#

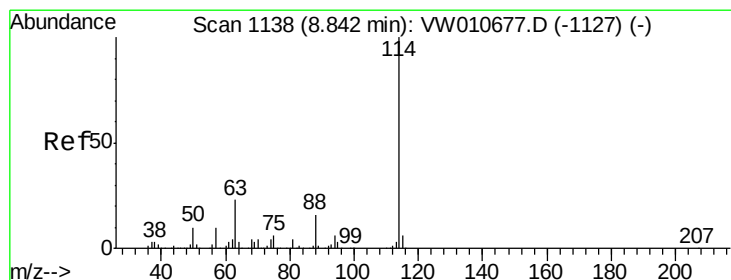
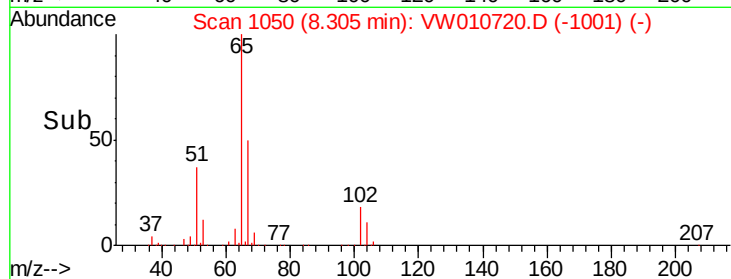
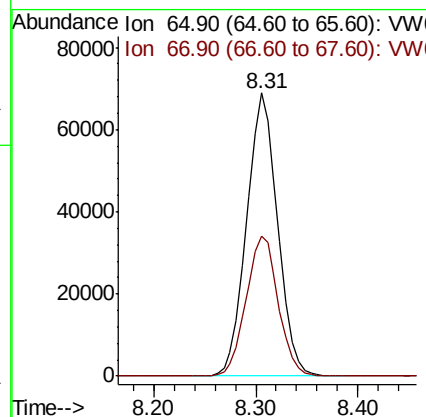
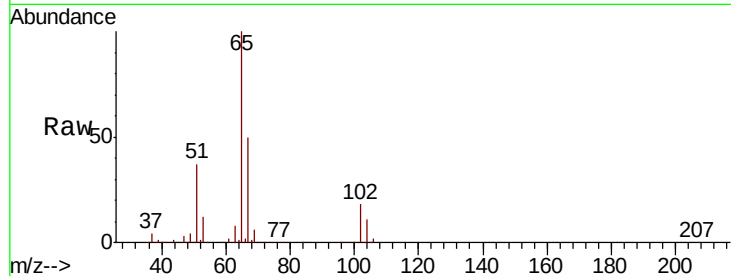




#33
 1,2-Dichloroethane-d4
 Concen: 63.991 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010720.D
 Acq: 06 Jun 2019 19:58

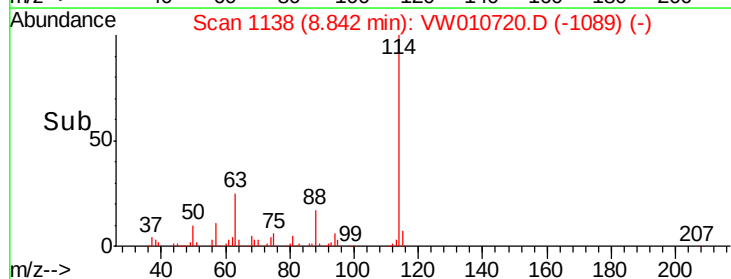
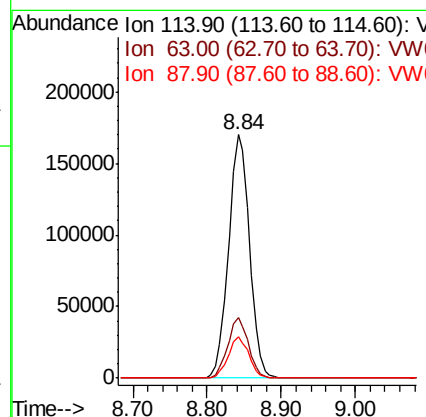
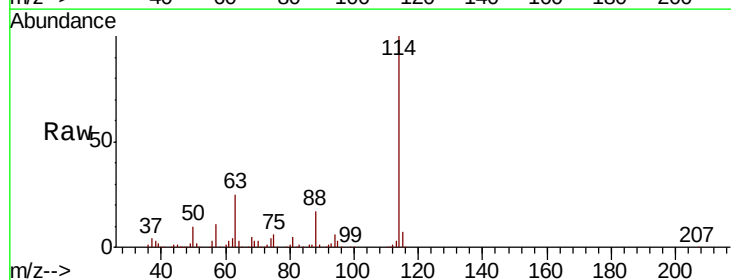
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 MSVOA_W
 ClientSampleId :
 FK-PS-01-047

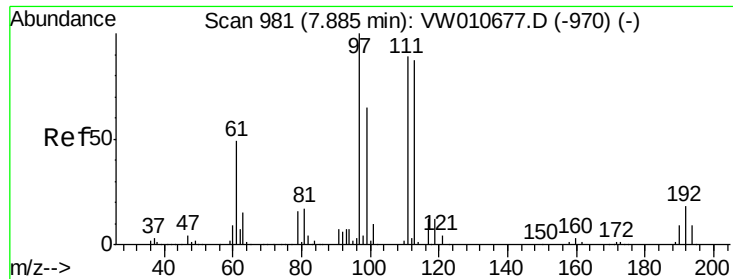
Tot Ion: 65 Resp: 145352
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010720.D
 Acq: 06 Jun 2019 19:58

Tgt Ion: 114 Resp: 333322
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.4
 88 17.1 0.0 32.2

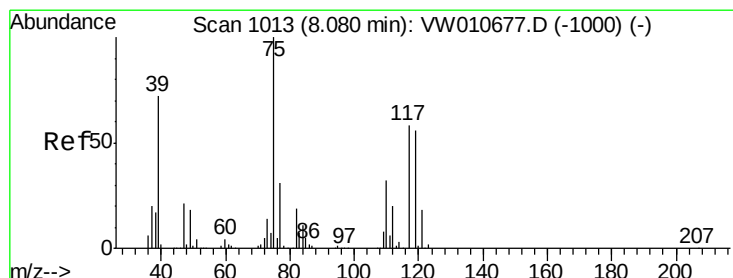
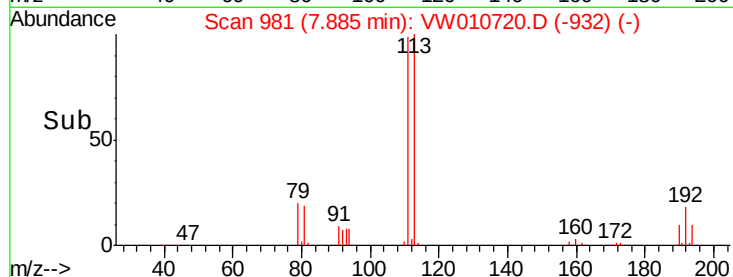
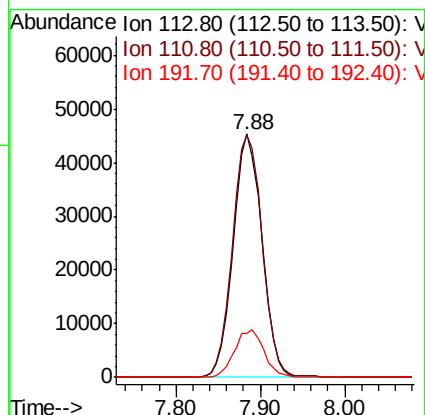
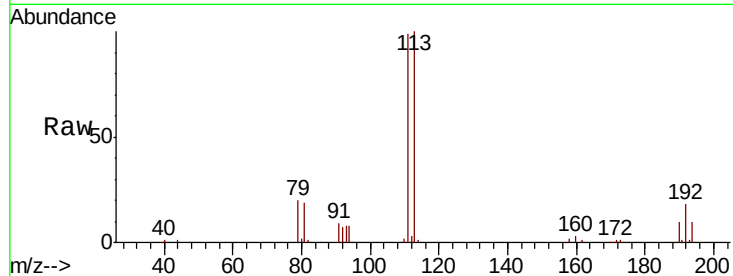




#35
 Dibromofluoromethane
 Concen: 57.997 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010720.D
 Acq: 06 Jun 2019 19:58

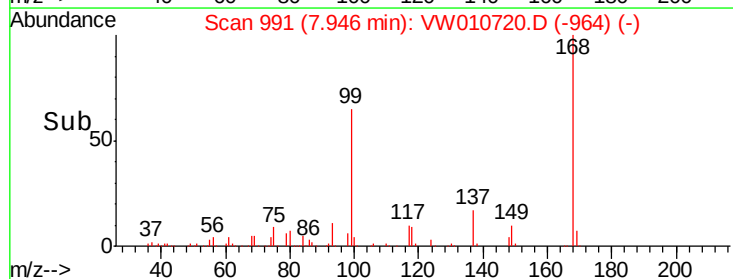
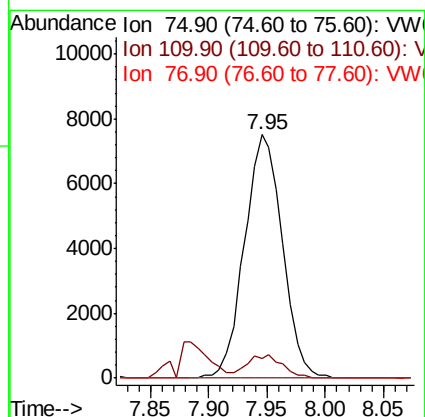
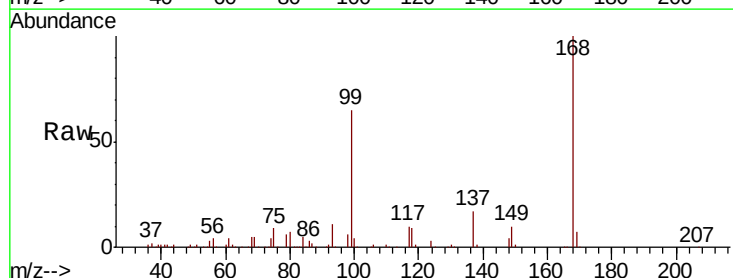
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 FK-PS-01-047

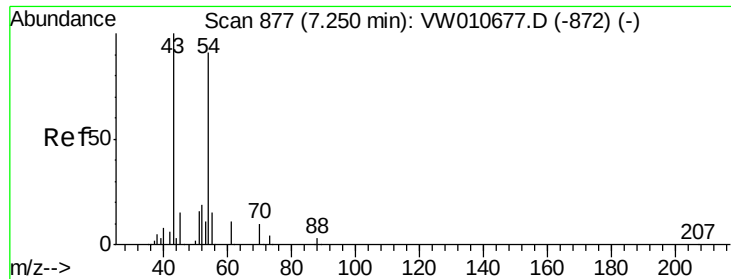
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	19.9	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010720.D
 Acq: 06 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.8	47.3#
77	0.0	24.7	37.1#

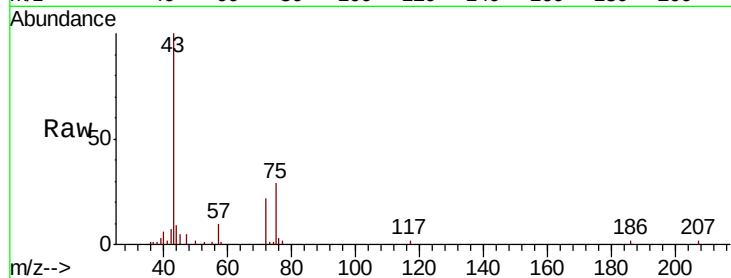




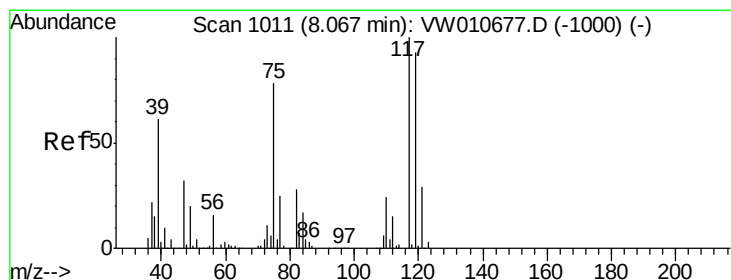
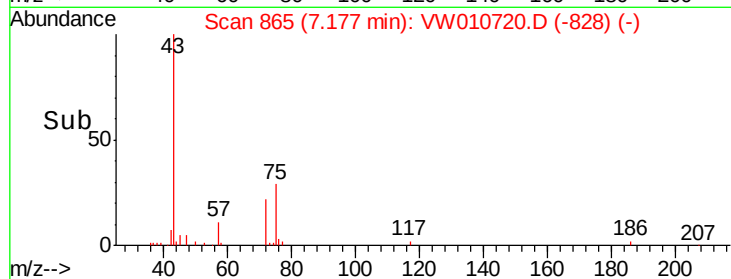
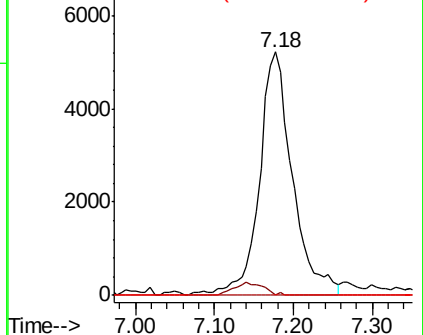
#37
Ethyl Acetate
Concen: 8.067 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047

Tot Ion: 43 Resp: 15253
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.2 10.8#

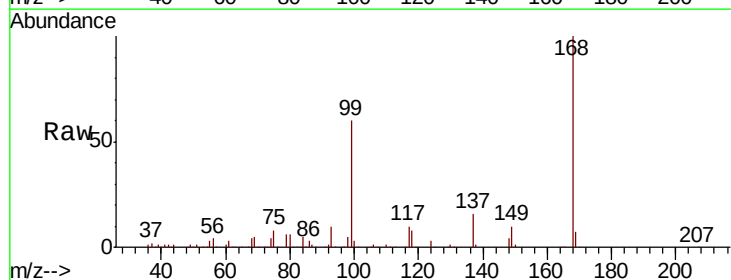


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

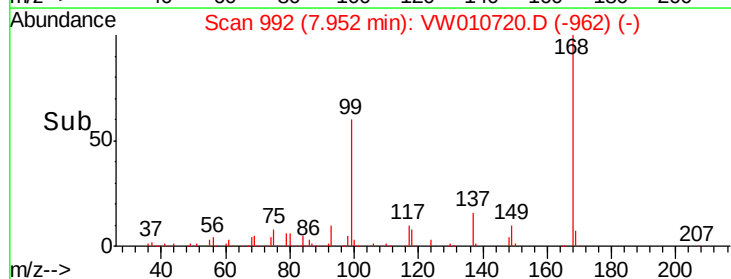
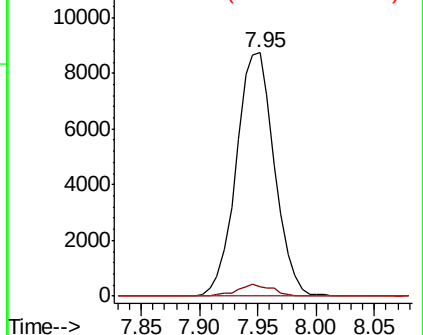


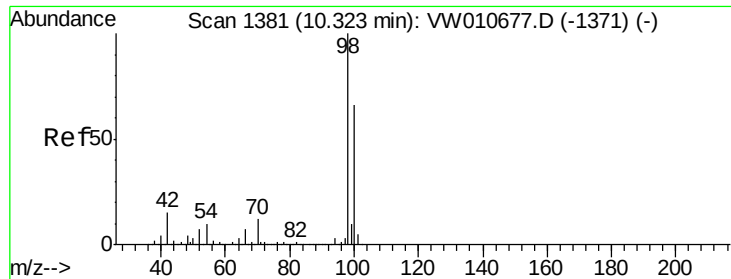
#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Tgt Ion: 117 Resp: 19913
Ion Ratio Lower Upper
117 100
119 3.6 74.2 111.4#
121 0.0 22.9 34.3#



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

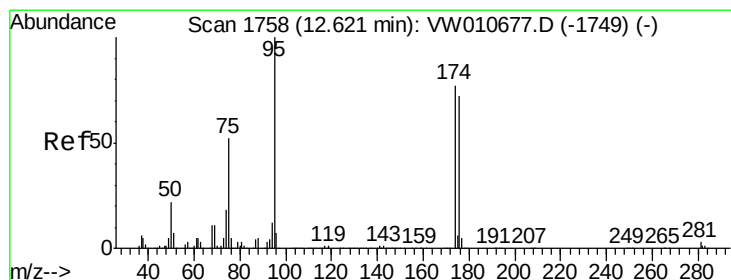
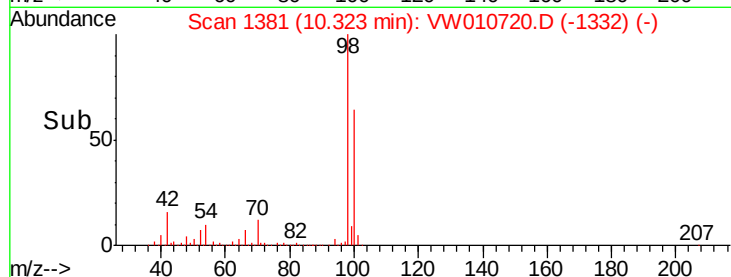
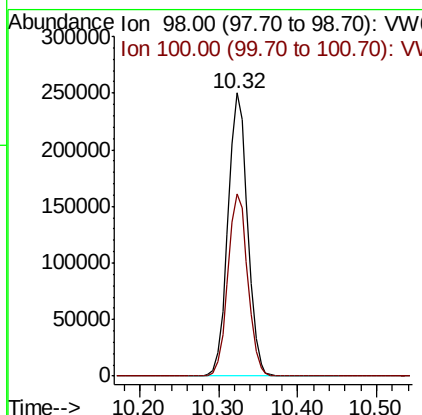
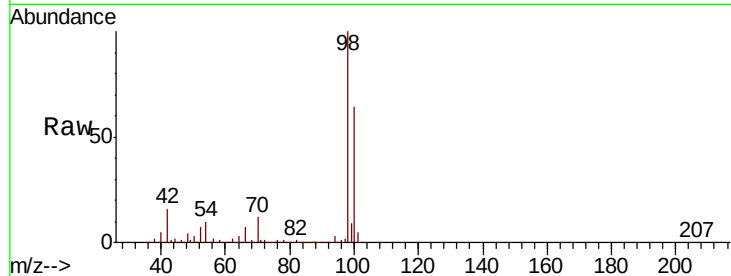




#50
Toluene-d8
Concen: 54.337 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

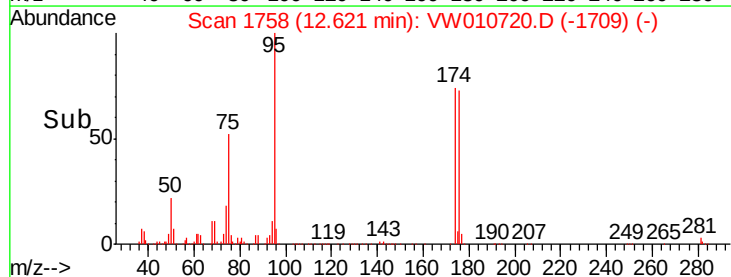
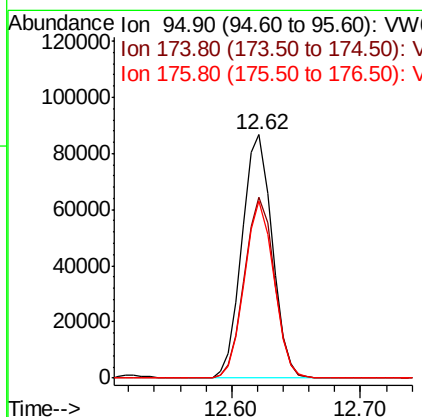
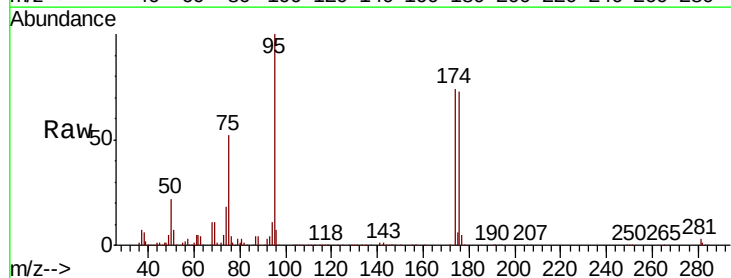
Instrument :
MSVOA_W
ClientSampled :
FK-PS-01-047

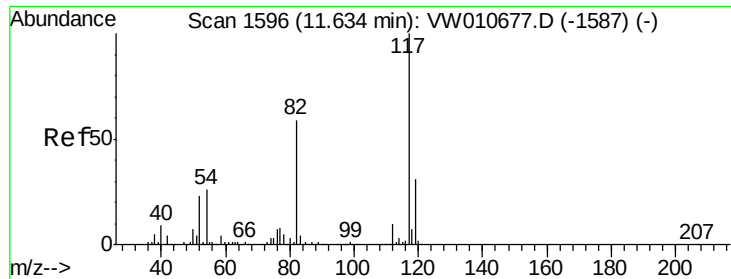
Tot Ion: 98 Resp: 431088
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 48.740 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Tgt Ion: 95 Resp: 140709
Ion Ratio Lower Upper
95 100
174 73.6 0.0 150.4
176 71.0 0.0 144.8

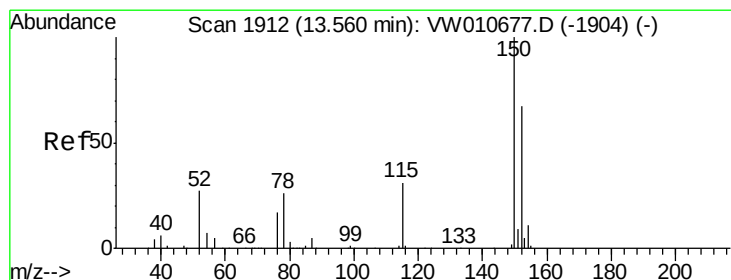
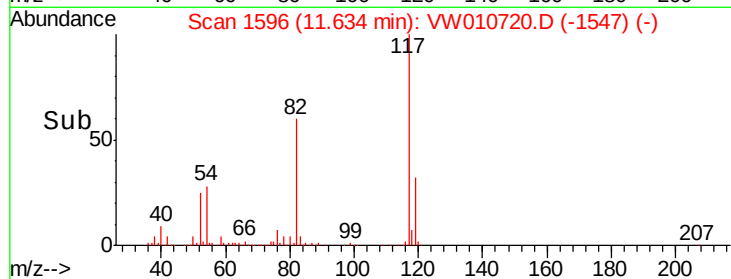
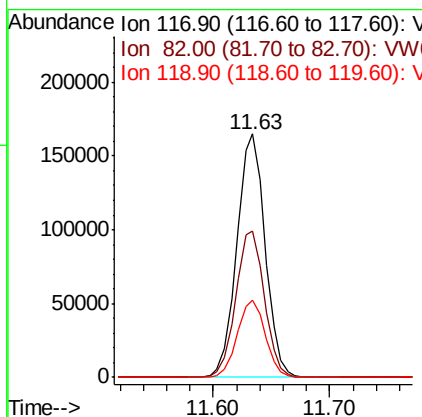
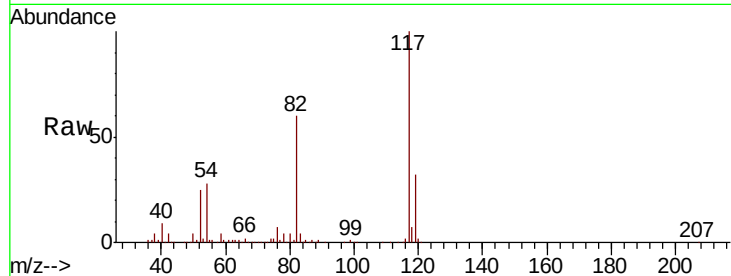




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

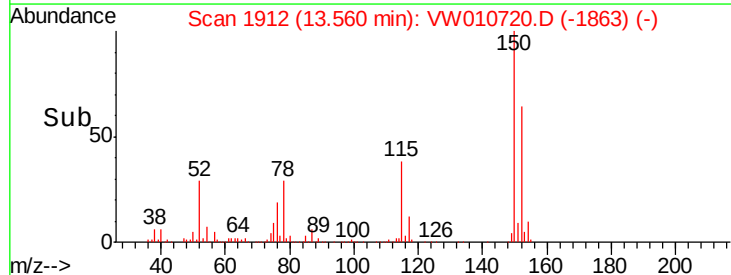
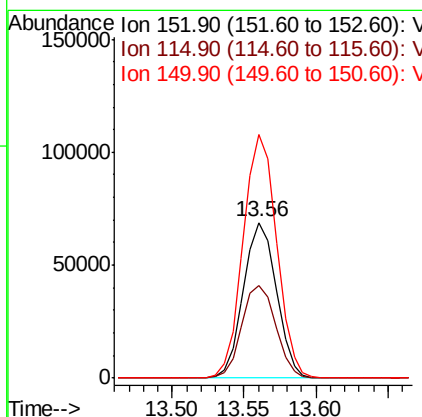
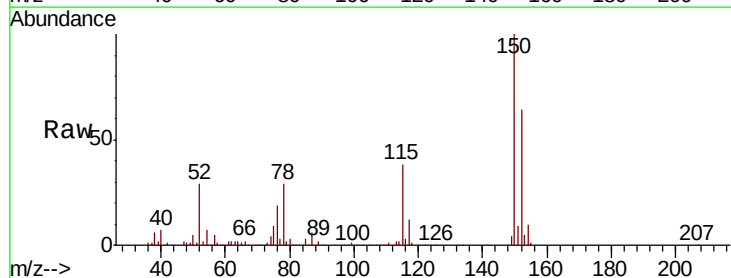
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-047

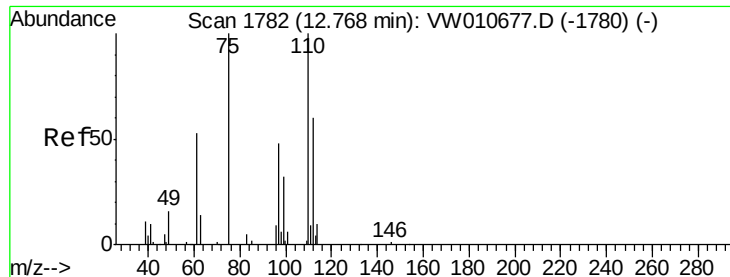
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.0	70.4
119	31.8	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010720.D
Acq: 06 Jun 2019 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	29.8	89.3
150	157.8	0.0	345.0





#76

1,2,3-Trichloropropane

Concen: 65.141 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010720.D

Acq: 06 Jun 2019 19:58

Instrument :

MSVOA_W

ClientSampleId :

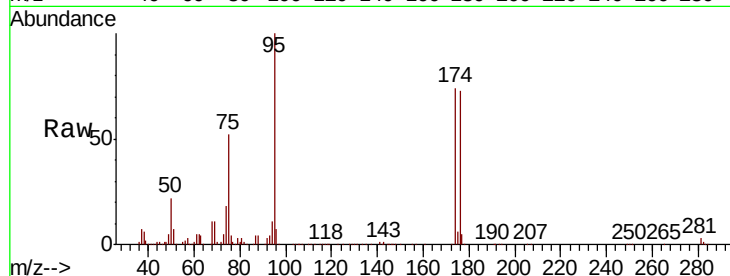
FK-PS-01-047

Tot Ion: 75 Resp: 75138

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

12.62

50000

40000

30000

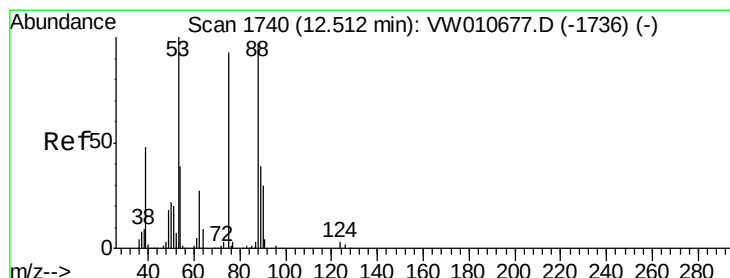
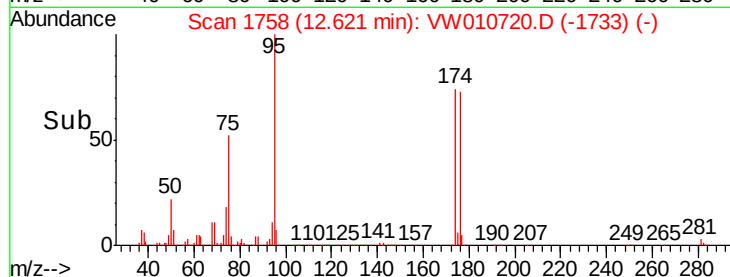
20000

10000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 149.715 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010720.D

Acq: 06 Jun 2019 19:58

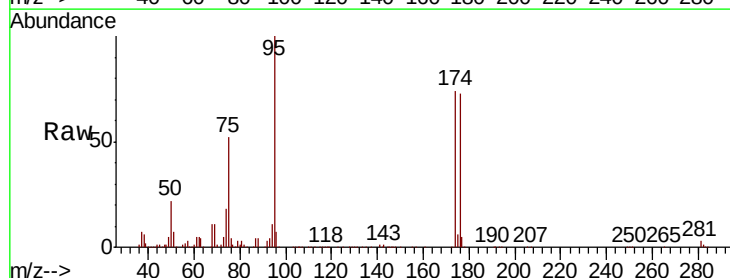
Tgt Ion: 75 Resp: 75138

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



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

12.62

60000

50000

40000

30000

20000

10000

0

Time-->

12.60 12.70

