

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010027.D
 Acq On : 17 Apr 2019 20:19
 Operator : SY/VA
 Sample : K2417-02
 Misc : 4.50G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-045

Quant Time: Apr 18 02:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	197596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	161837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	54348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	81515	56.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.38%	
35) Dibromofluoromethane	7.88	113	65596	52.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.44%	
50) Toluene-d8	10.32	98	192562	40.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.82%	
62) 4-Bromofluorobenzene	12.62	95	55140	32.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	64.44%	

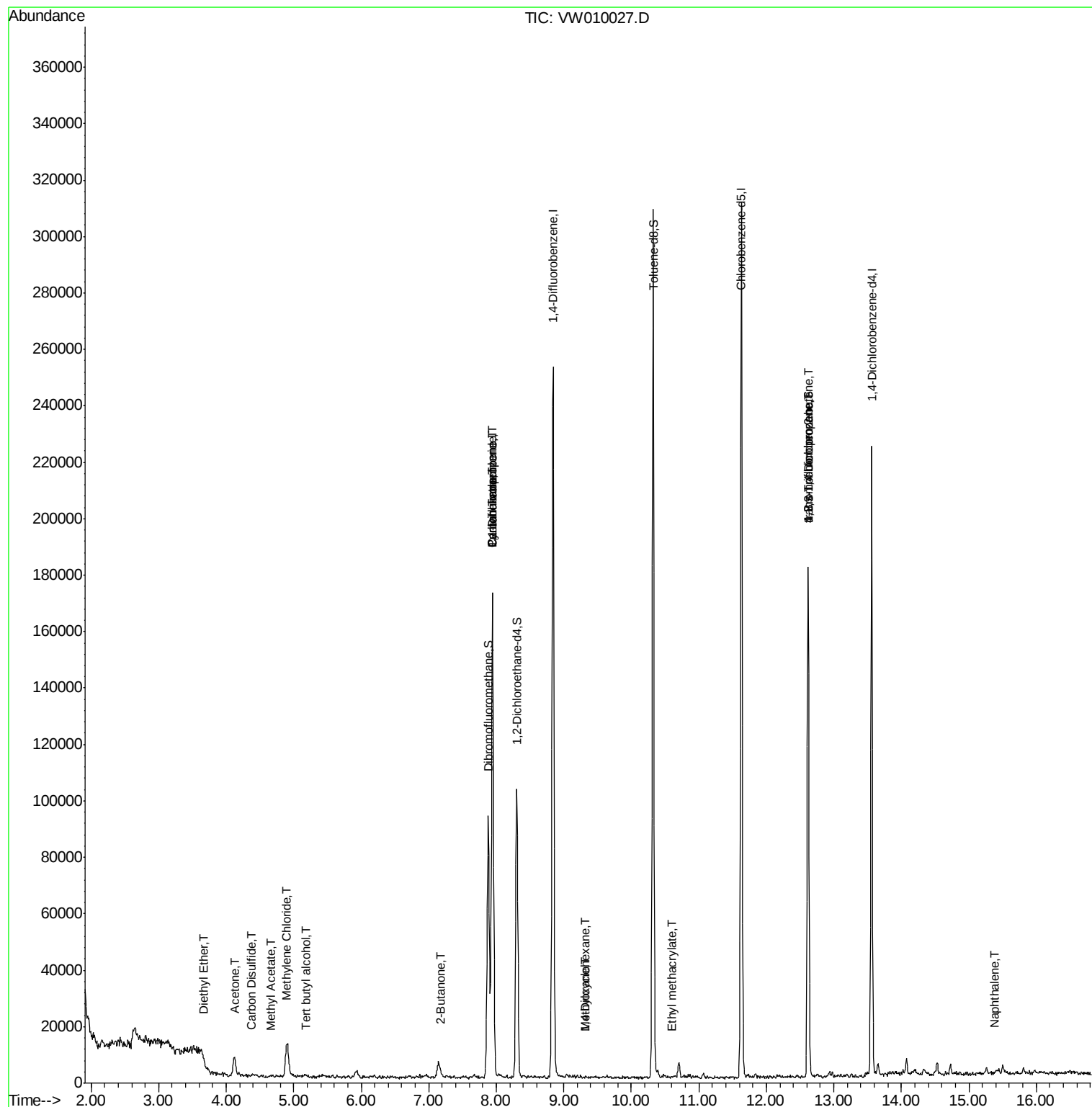
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	898	1.499	ug/l	99
11) Tert butyl alcohol	5.18	59	1075	13.010	ug/l	94
16) Acetone	4.13	43	12798	38.023	ug/l	93
17) Carbon Disulfide	4.37	76	46	1.352	ug/l #	74
18) Methyl Acetate	4.67	43	1033	1.326	ug/l #	87
20) Methylene Chloride	4.90	84	8177	2.127	ug/l	89
25) 2-Butanone	7.18	43	523	1.183	ug/l #	51
31) Cyclohexane	7.94	56	4052	1.727	ug/l #	31
36) 1,1-Dichloropropene	7.94	75	10699	5.301	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12922	6.560	ug/l #	24
39) Methylcyclohexane	9.32	83	94	1.235	ug/l #	15
49) 1,4-Dioxane	9.32	88	19	1.654	ug/l #	1
56) Ethyl methacrylate	10.62	69	20	2.654	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	30157	55.442	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30157	130.729	ug/l #	6
95) Naphthalene	15.38	128	685	2.954	ug/l #	83

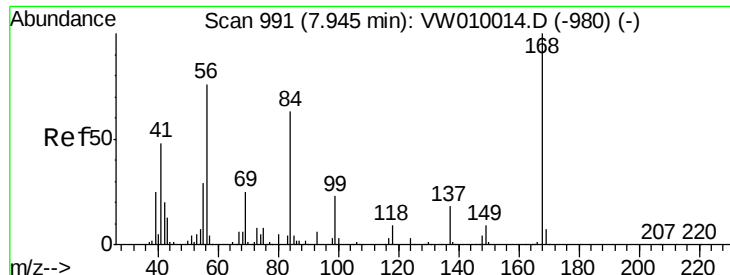
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

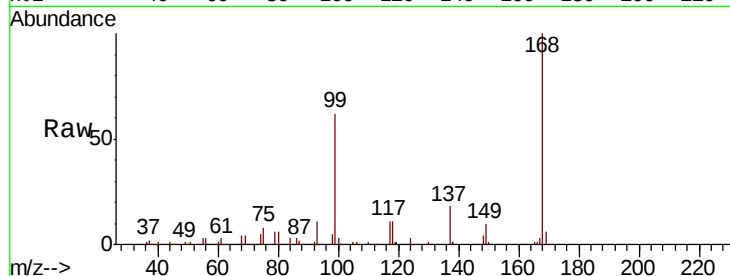
FK-PS-01-045

Tgt Ion:168 Resp: 117553

Ion Ratio Lower Upper

168 100

99 62.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

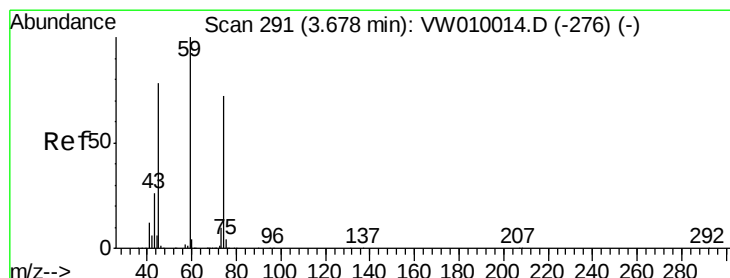
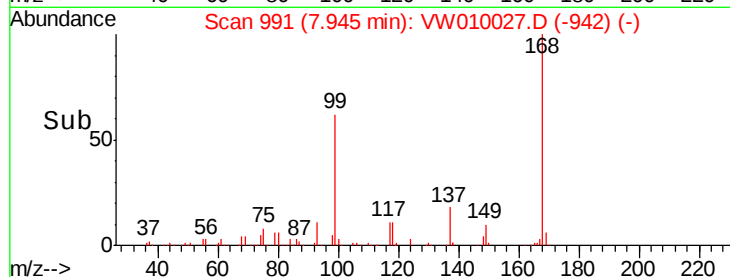
20000

10000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.499 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW010027.D

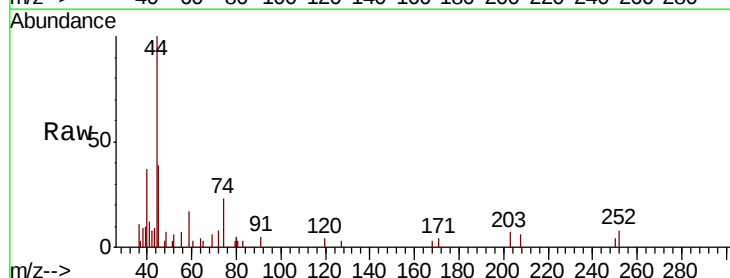
Acq: 17 Apr 2019 20:19

Tgt Ion: 74 Resp: 898

Ion Ratio Lower Upper

74 100

45 112.6 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

600

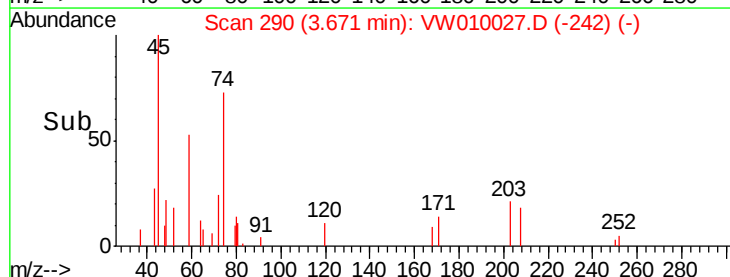
400

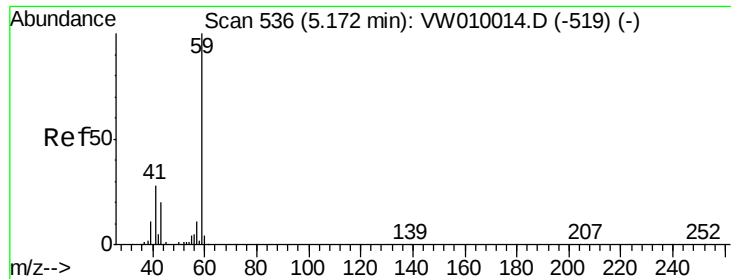
200

0

3.60 3.65 3.70

Time-->

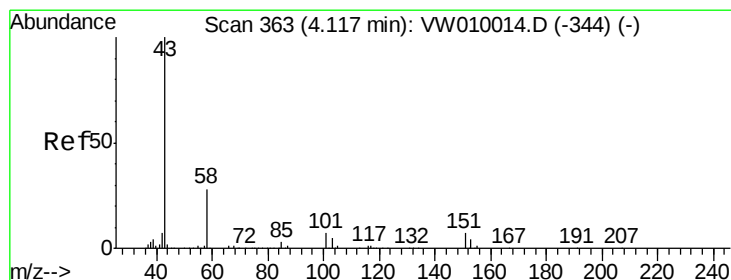
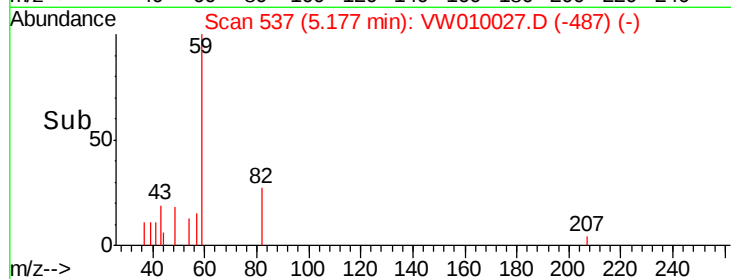
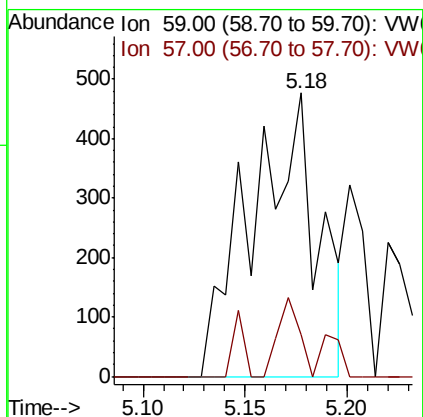
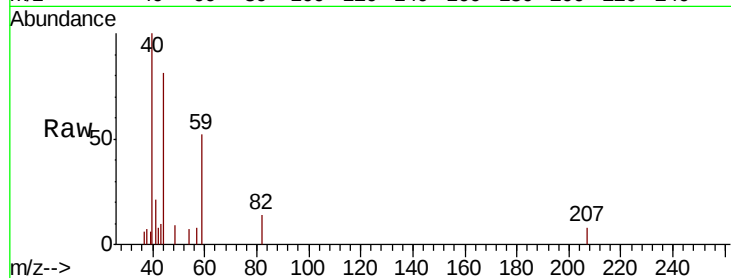




#11
Tert butyl alcohol
Concen: 13.010 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

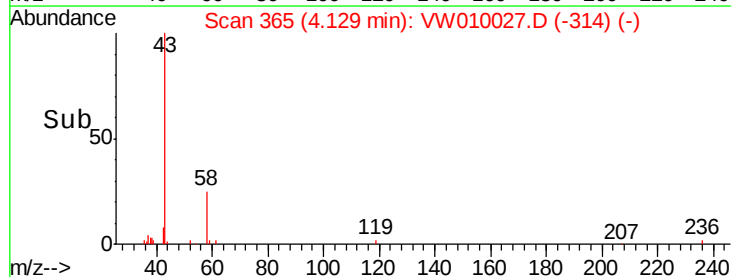
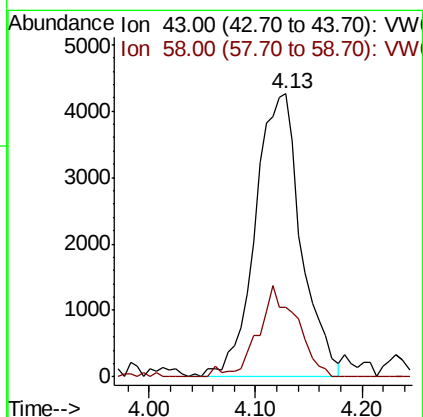
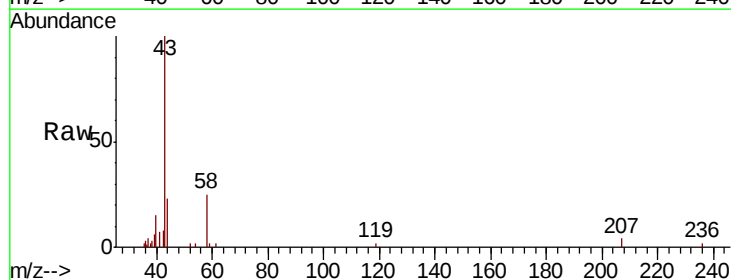
Instrument :
MSVOA_W
ClientSampled :
FK-PS-01-045

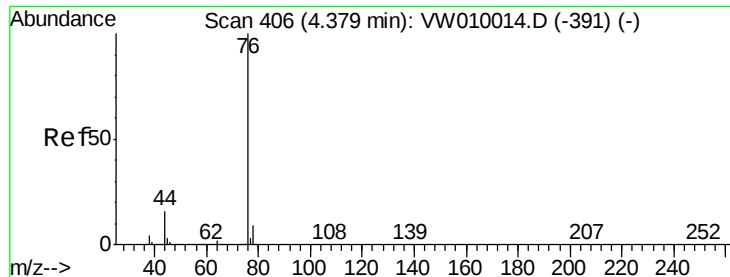
Tgt Ion: 59 Resp: 1075
Ion Ratio Lower Upper
59 100
57 9.0 9.0 13.4



#16
Acetone
Concen: 38.023 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

Tgt Ion: 43 Resp: 12798
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1





#17

Carbon Disulfide

Concen: 1.352 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampled :

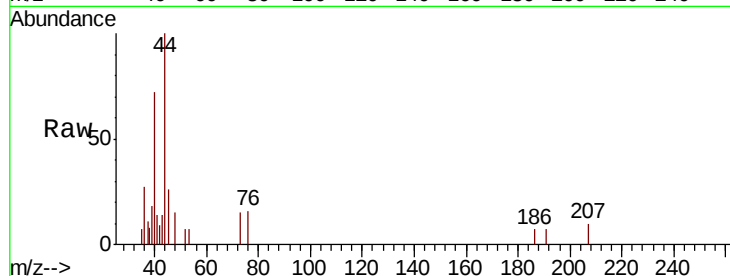
FK-PS-01-045

Tgt Ion: 76 Resp: 46

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150

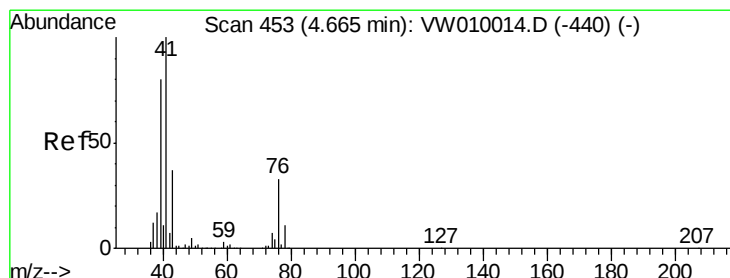
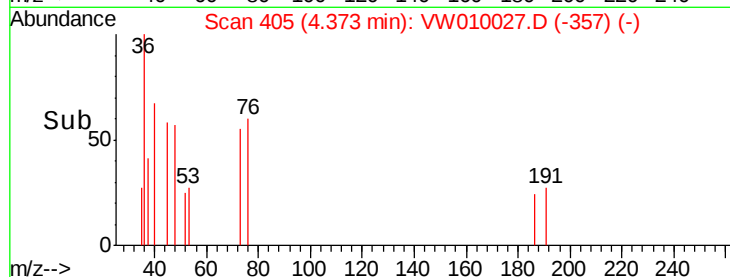
100

50

0

4.35 4.36 4.37 4.38 4.39

Time-->



#18

Methyl Acetate

Concen: 1.326 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010027.D

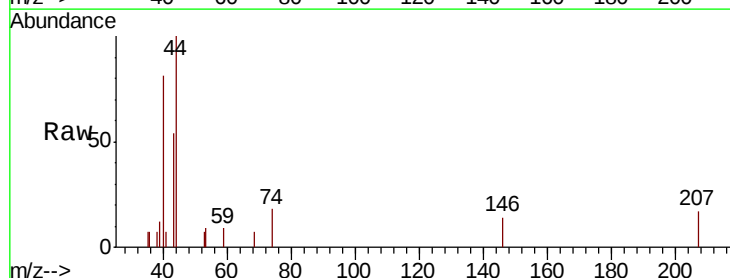
Acq: 17 Apr 2019 20:19

Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

74 14.9 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

500

400

300

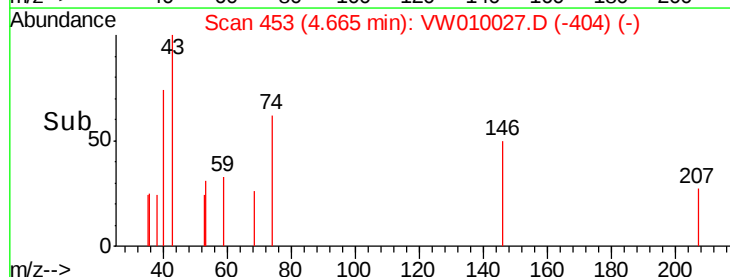
200

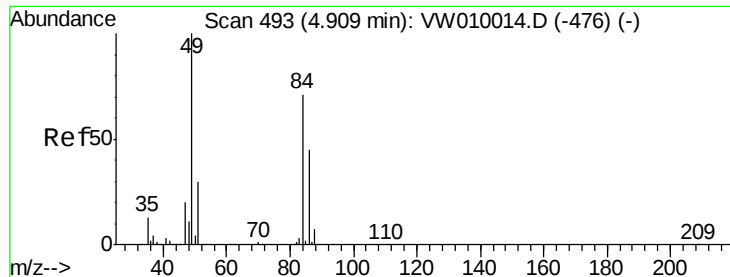
100

0

4.60 4.65 4.70

Time-->

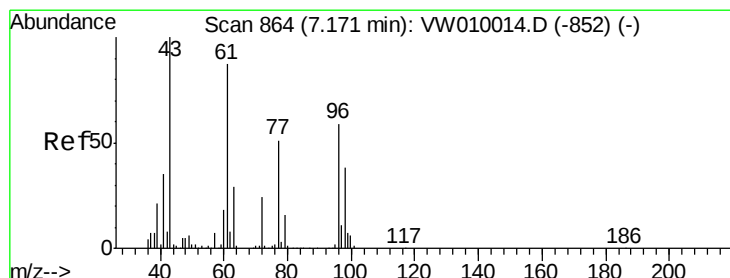
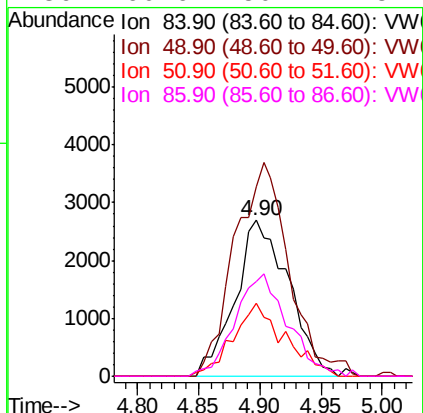
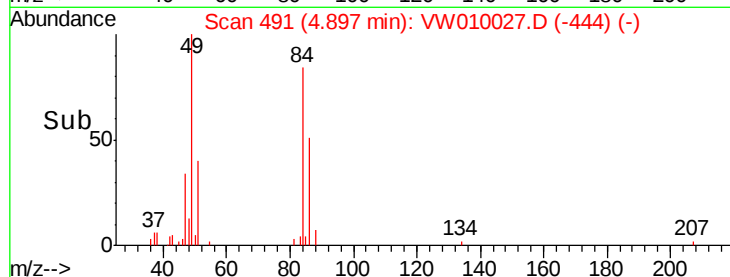
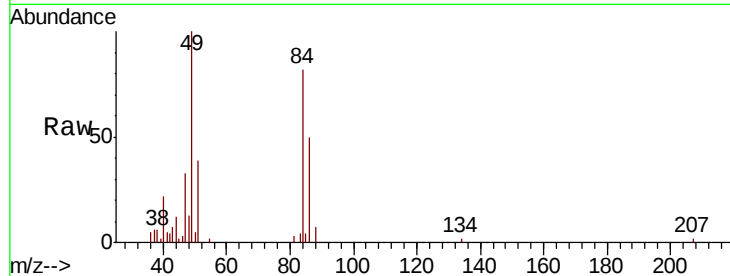




#20
Methylene Chloride
Concen: 2.127 ug/l
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

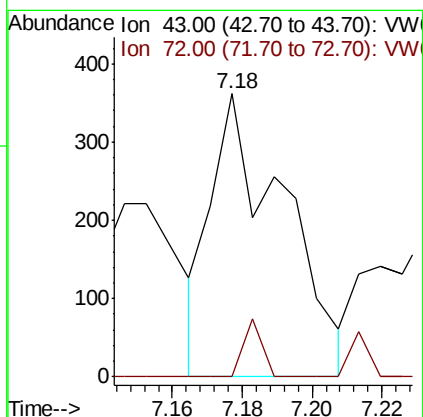
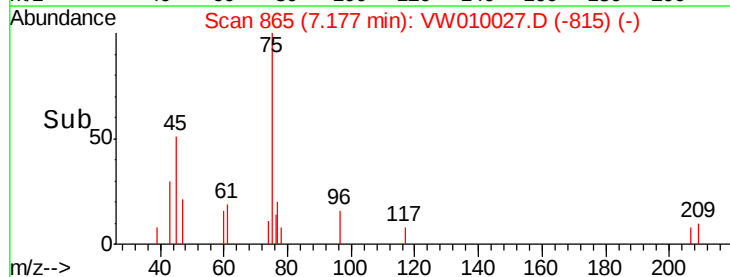
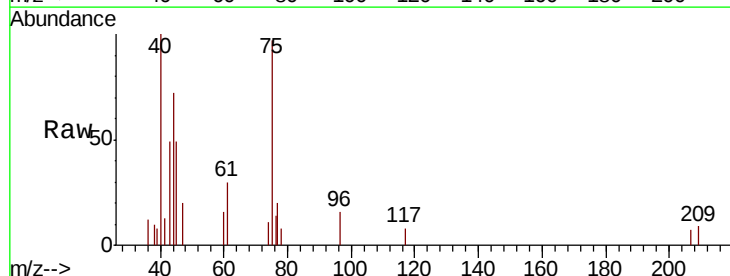
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-045

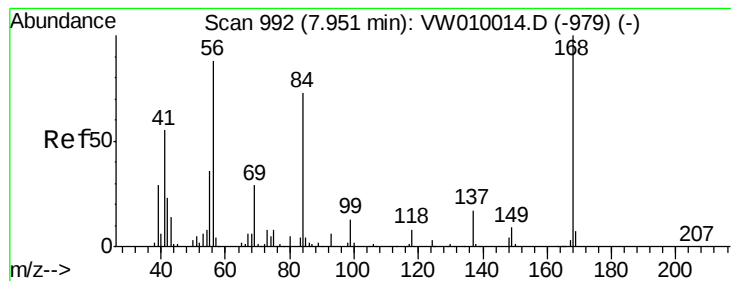
Tgt Ion:	84	Resp:	8177
Ion	Ratio	Lower	Upper
84	100		
49	121.3	112.3	168.5
51	47.0	33.9	50.9
86	60.6	50.2	75.4



#25
2-Butanone
Concen: 1.183 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

Tgt Ion:	43	Resp:	523
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.1	28.7#





#31

Cyclohexane

Concen: 1.727 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-045

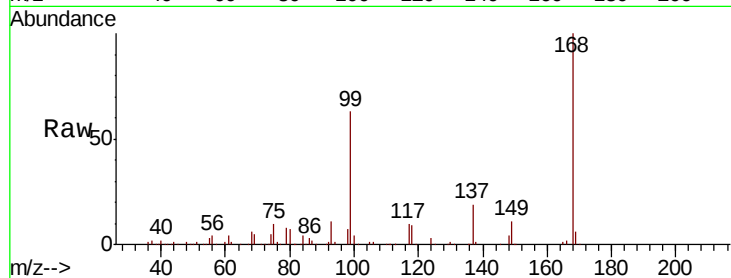
Tgt Ion: 56 Resp: 4052

Ion Ratio Lower Upper

56 100

69 134.1 26.6 40.0#

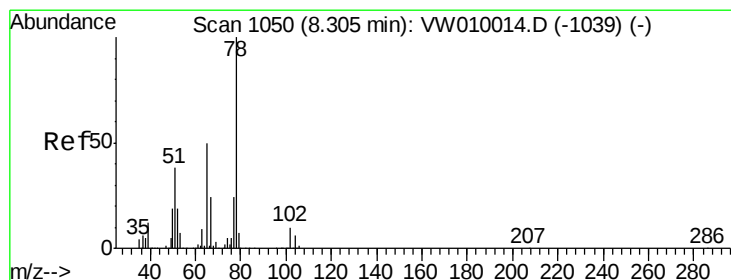
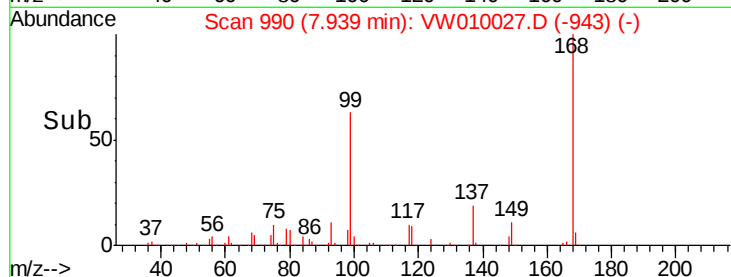
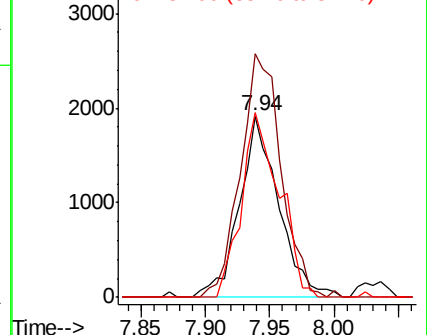
84 105.1 66.2 99.2#



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: 56.191 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010027.D

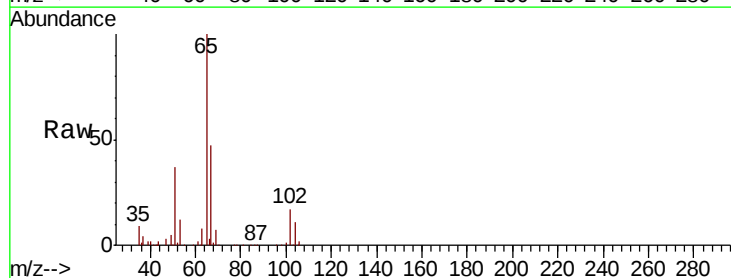
Acq: 17 Apr 2019 20:19

Tgt Ion: 65 Resp: 81515

Ion Ratio Lower Upper

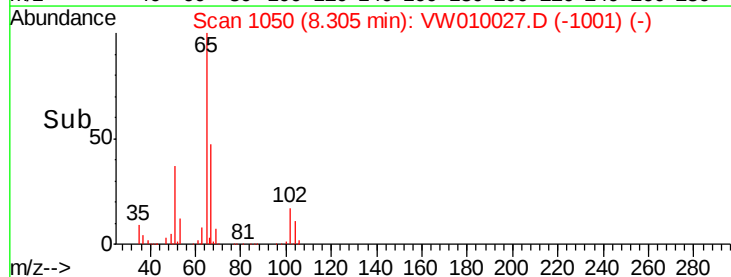
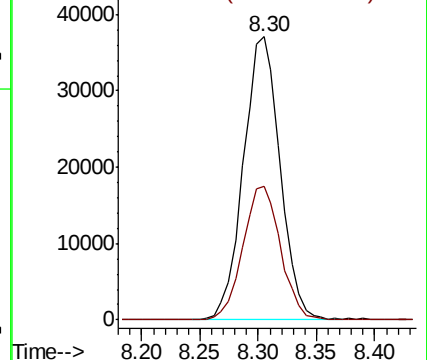
65 100

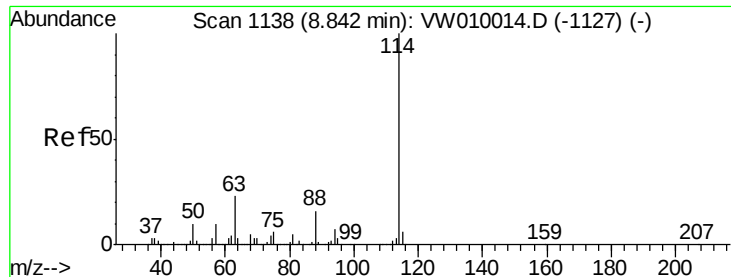
67 48.2 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

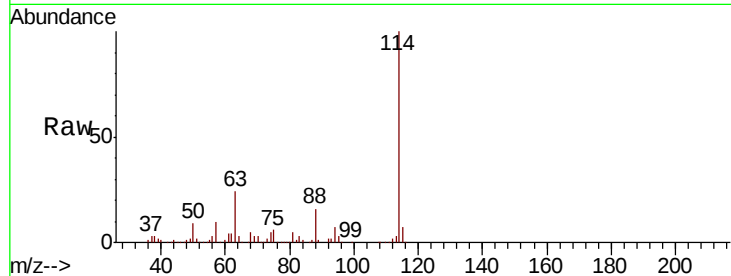




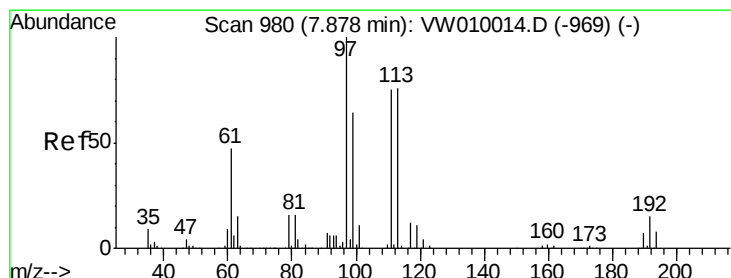
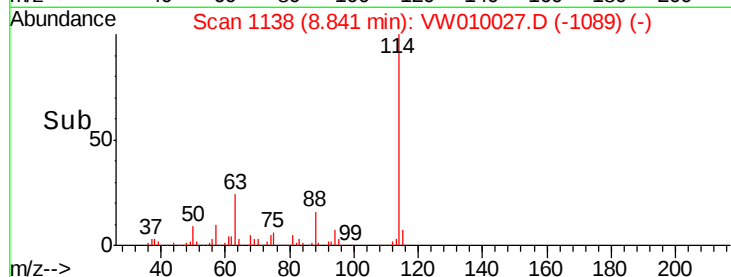
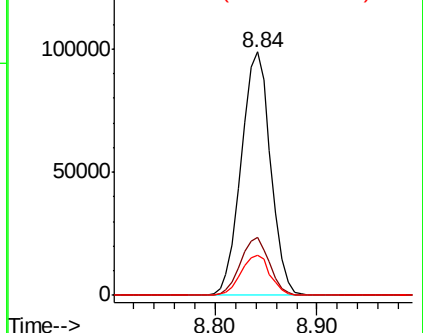
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010027.D
 Acq: 17 Apr 2019 20:19

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-045

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	46.2
88	16.2	0.0	32.6

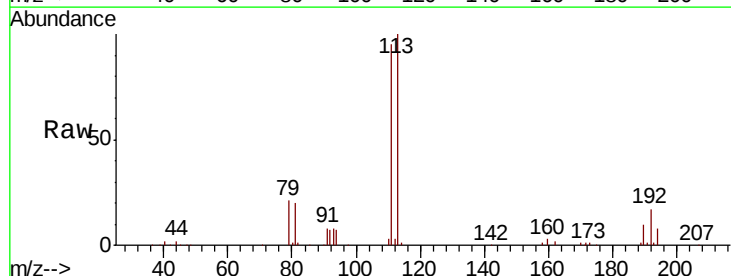


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

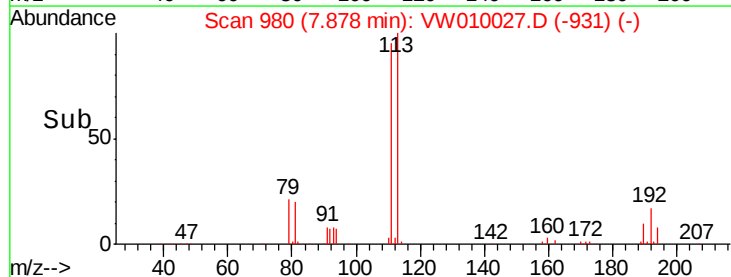
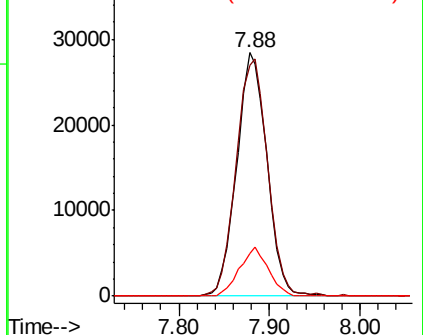


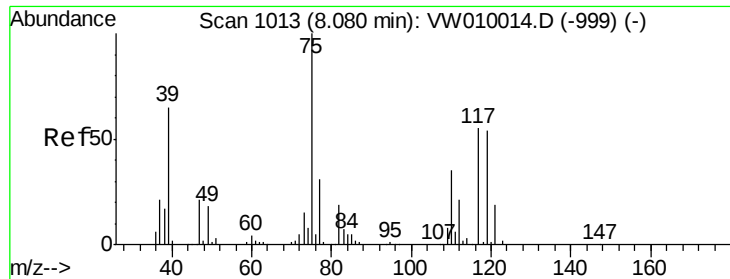
#35
 Dibromofluoromethane
 Concen: 52.216 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010027.D
 Acq: 17 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	19.3	15.4	23.2



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

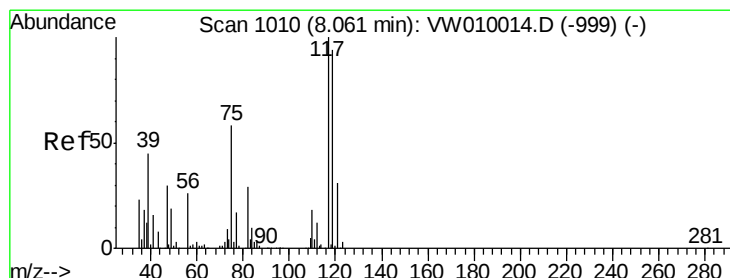
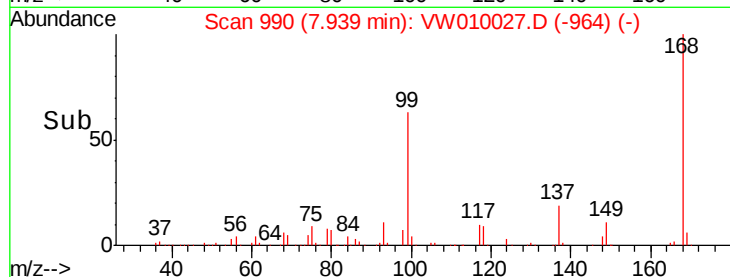
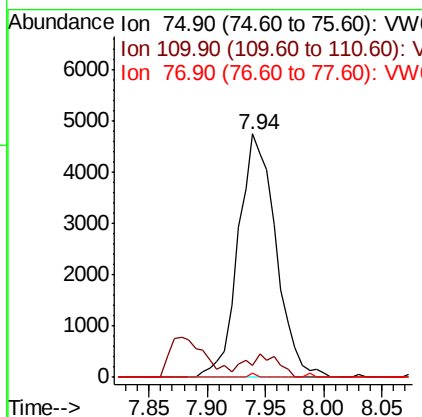
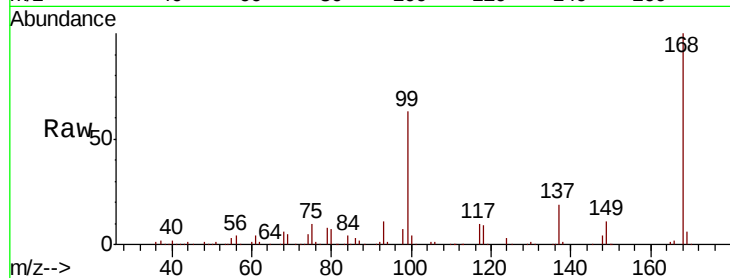




#36
 1,1-Dichloropropene
 Concen: 5.301 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010027.D
 Acq: 17 Apr 2019 20:19

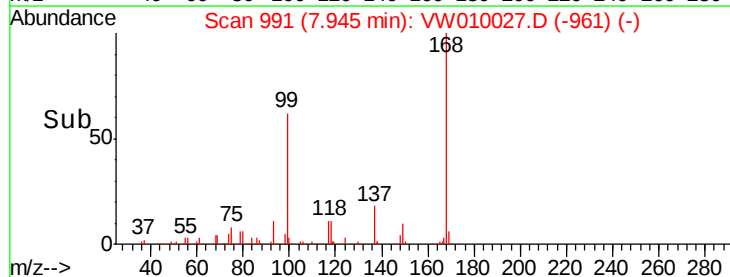
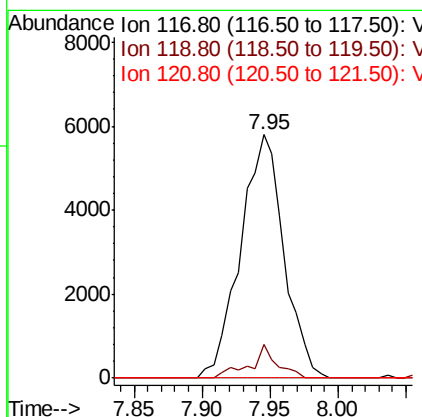
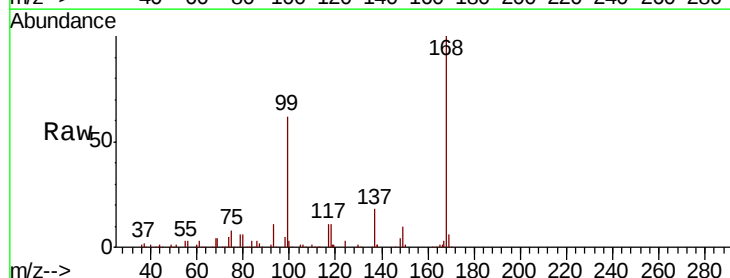
Instrument :
 MSVOA_W
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 FK-PS-01-045

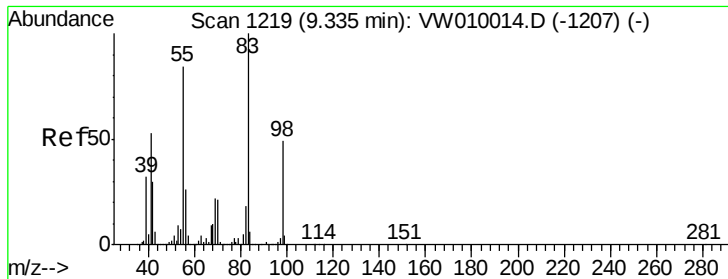
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.6	49.8#
77	0.3	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.560 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010027.D
 Acq: 17 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	13.8	75.3	112.9#
121	0.0	24.4	36.6#

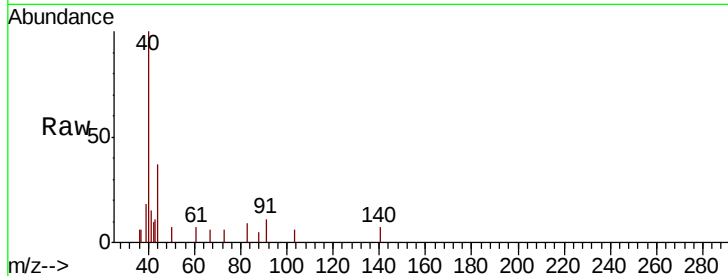




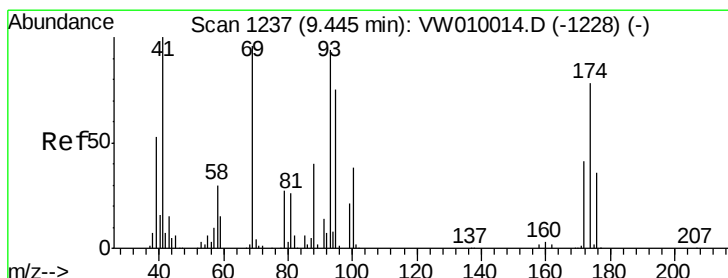
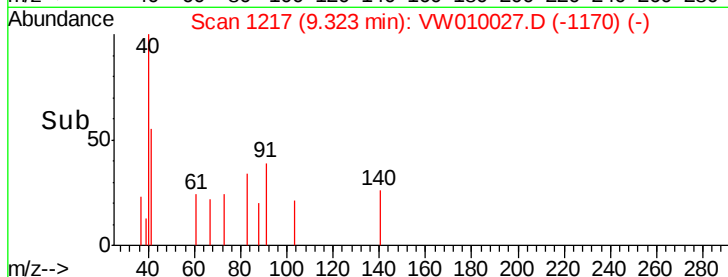
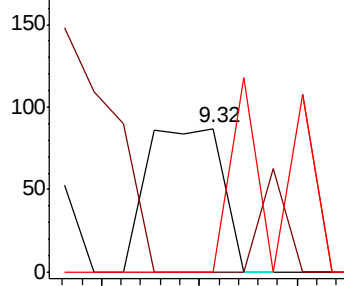
#39
Methylcyclohexane
Concen: 1.235 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.01 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-045

Tgt Ion: 83 Resp: 94
Ion Ratio Lower Upper
83 100
55 0.0 67.1 100.7#
98 0.0 39.2 58.8#

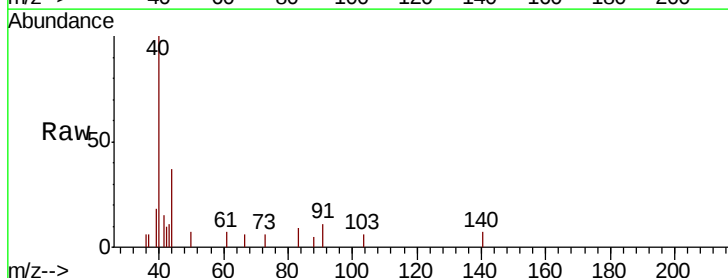


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

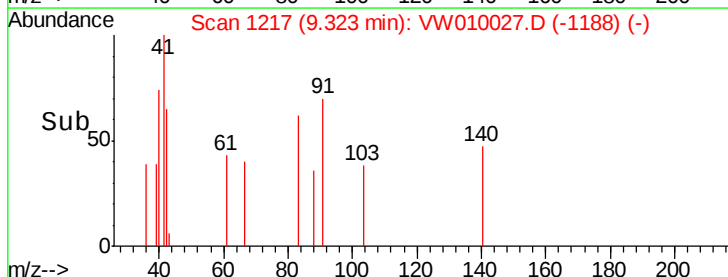
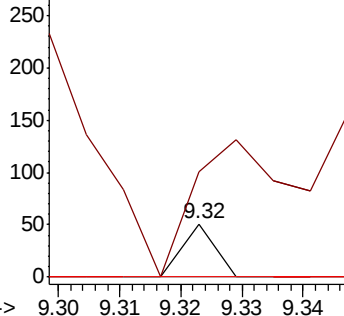


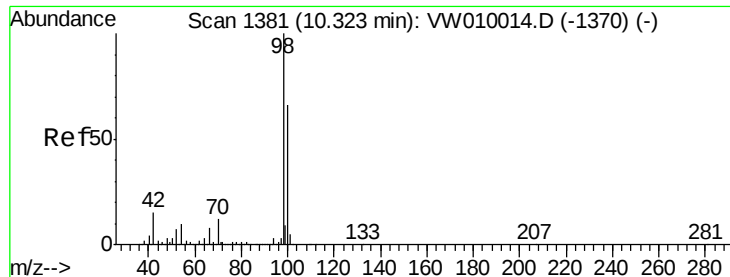
#49
1,4-Dioxane
Concen: 1.654 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.12 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 784.2 31.9 47.9#
58 0.0 61.8 92.6#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 40.906 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

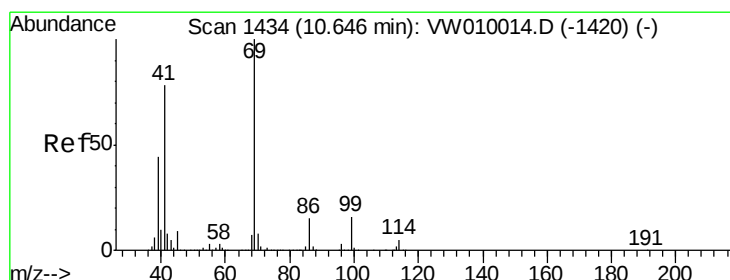
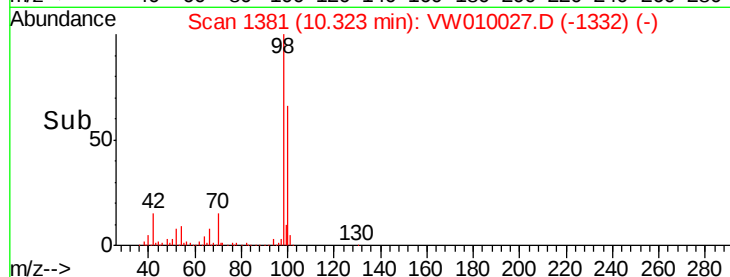
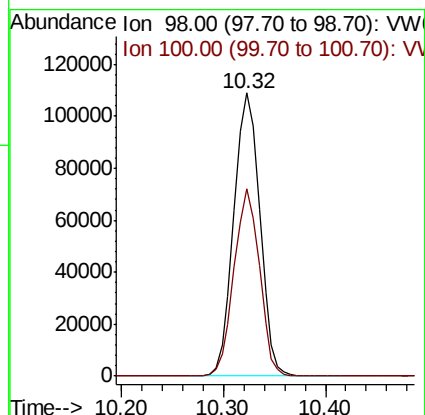
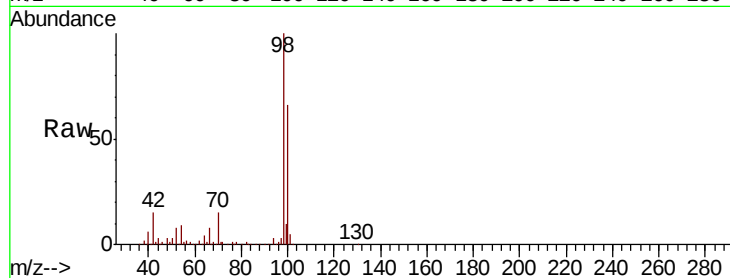
FK-PS-01-045

Tgt Ion: 98 Resp: 192562

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5



#56

Ethyl methacrylate

Concen: 2.654 ug/l

RT: 10.62 min Scan# 1429

Delta R.T. -0.03 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

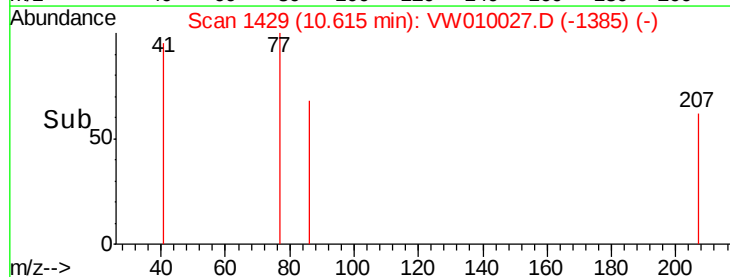
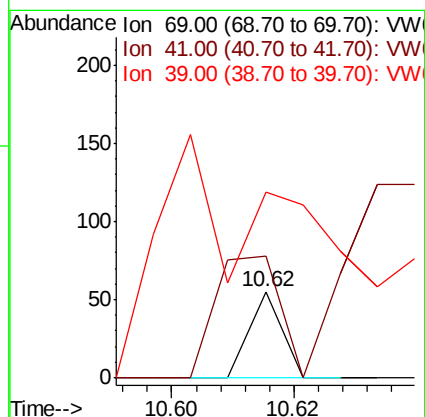
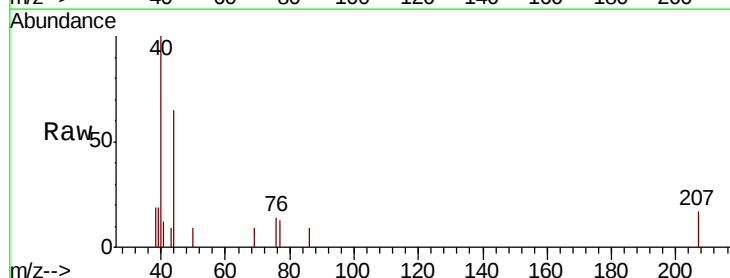
Tgt Ion: 69 Resp: 20

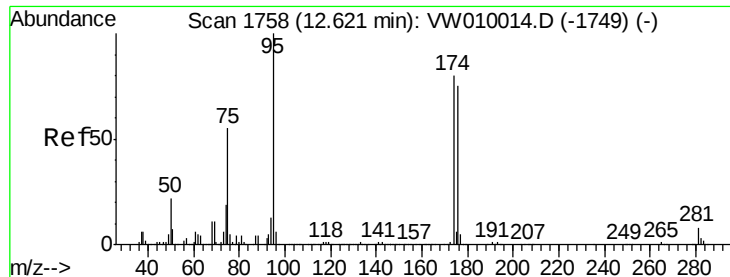
Ion Ratio Lower Upper

69 100

41 280.0 61.0 91.6#

39 565.0 33.8 50.6#

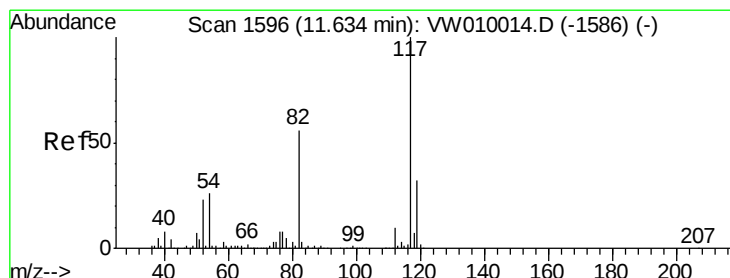
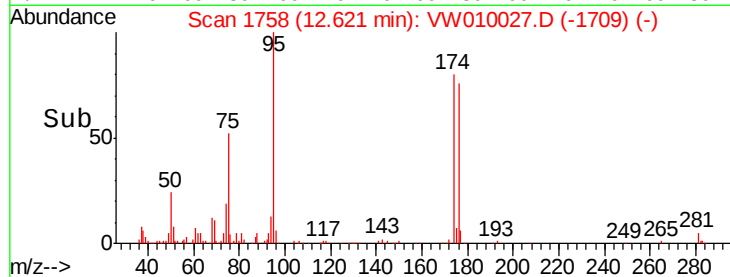
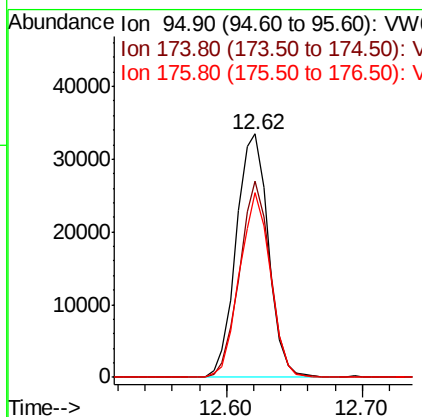
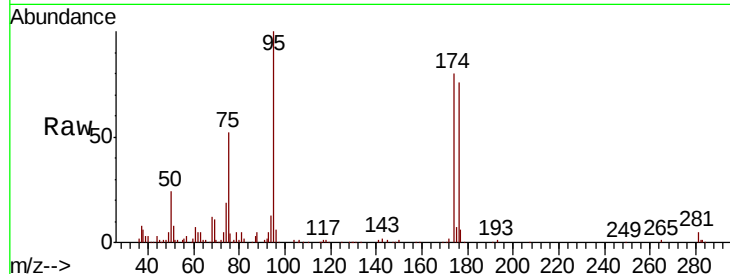




#62
4-Bromofluorobenzene
Concen: 32.224 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

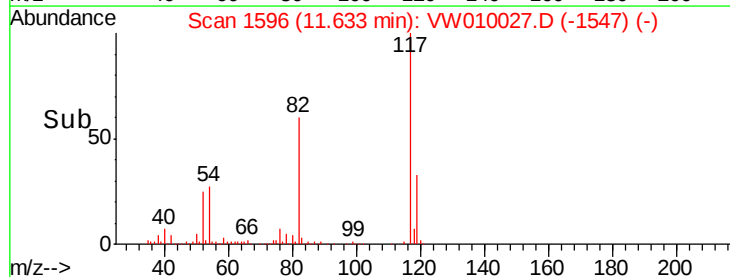
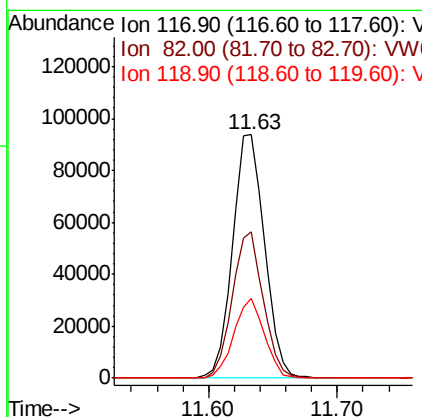
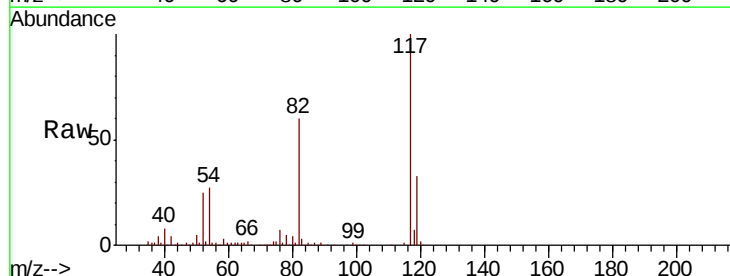
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-045

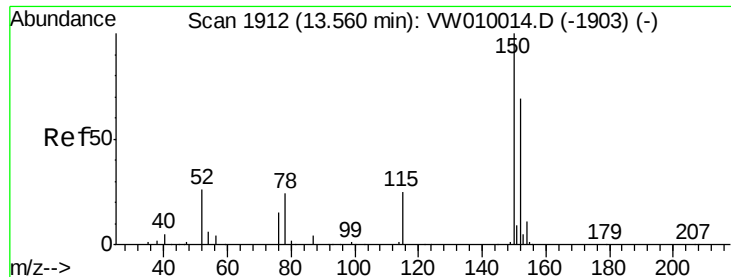
Tgt Ion: 95 Resp: 55140
Ion Ratio Lower Upper
95 100
174 77.1 0.0 151.4
176 73.2 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010027.D
Acq: 17 Apr 2019 20:19

Tgt Ion: 117 Resp: 161837
Ion Ratio Lower Upper
117 100
82 60.0 45.2 67.8
119 32.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-045

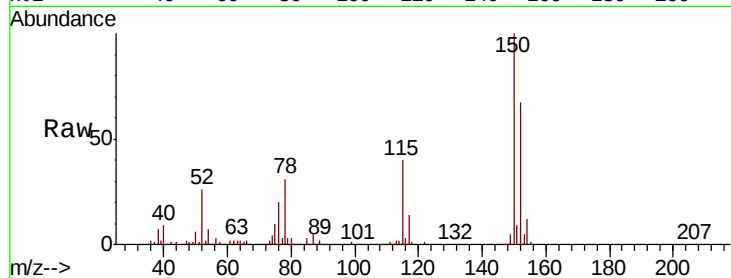
Tgt Ion:152 Resp: 54348

Ion Ratio Lower Upper

152 100

115 58.6 30.4 91.2

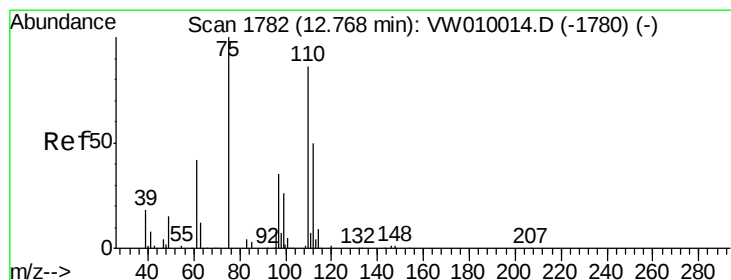
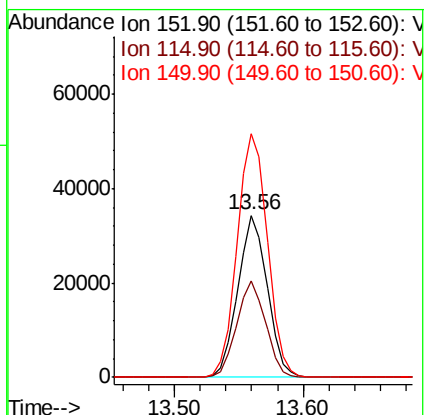
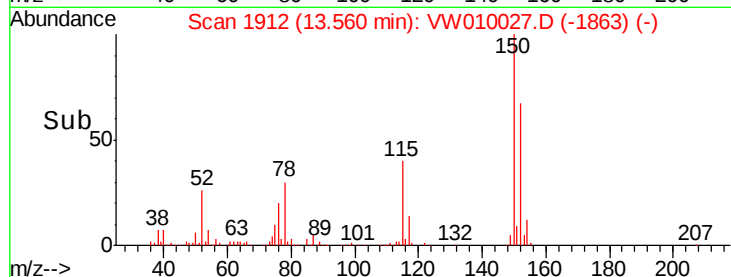
150 153.7 0.0 347.0



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: 55.442 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010027.D

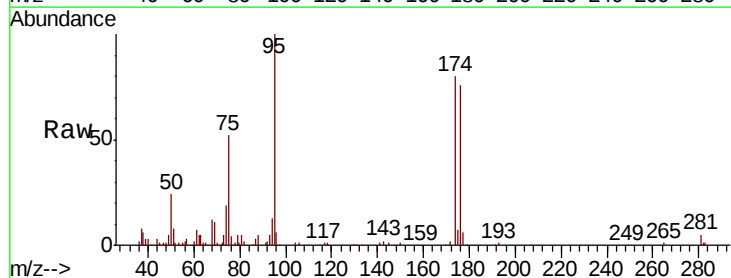
Acq: 17 Apr 2019 20:19

Tgt Ion: 75 Resp: 30157

Ion Ratio Lower Upper

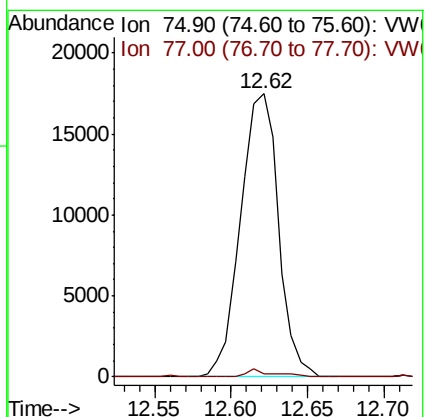
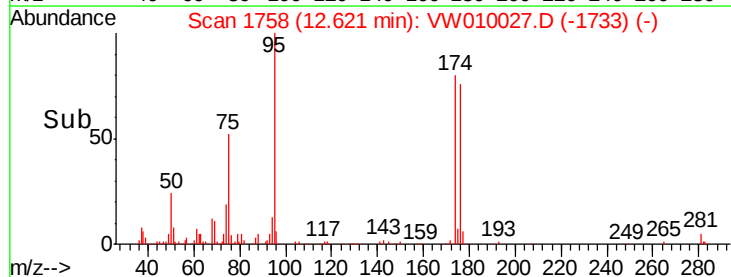
75 100

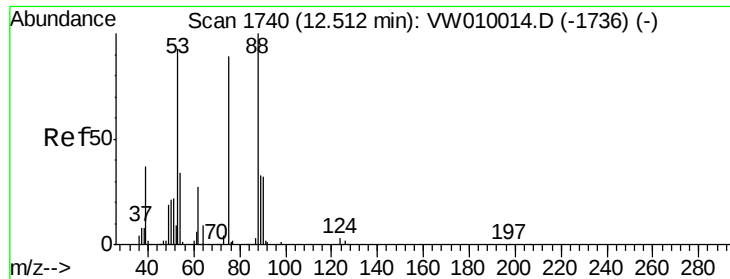
77 1.8 0.0 0.0#



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: 130.729 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-045

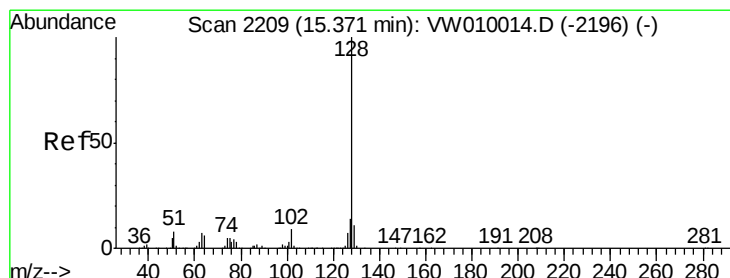
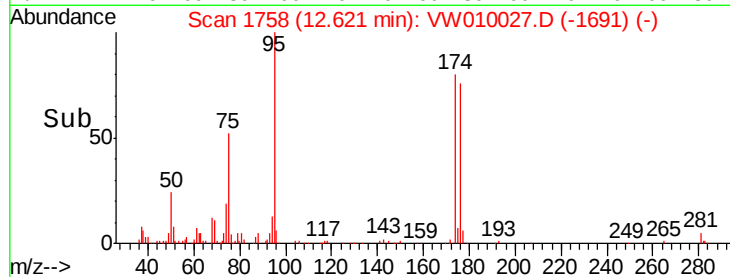
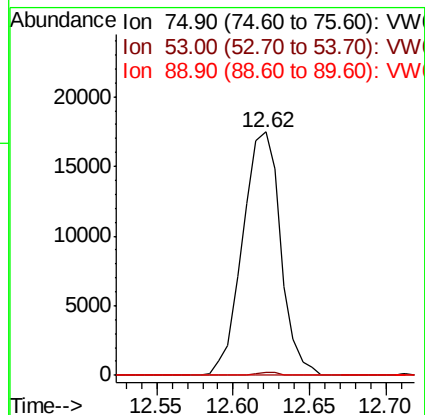
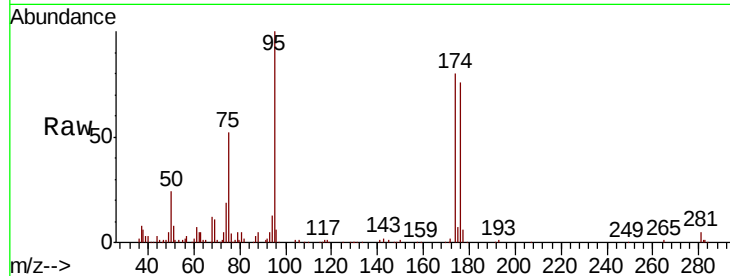
Tgt Ion: 75 Resp: 30157

Ion Ratio Lower Upper

75 100

53 0.7 89.8 134.8#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 2.954 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW010027.D

Acq: 17 Apr 2019 20:19

Tgt Ion: 128 Resp: 685

Ion Ratio Lower Upper

128 100

127 10.4 10.6 15.8#

129 0.0 8.7 13.1#

