

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091118\
 Data File : VW005305.D
 Acq On : 12 Sep 2018 05:56
 Operator : SY/AP
 Sample : J4847-02
 Misc : 9.74G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-040

Quant Time: Sep 12 06:47:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	65537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	94289	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	58330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	19464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	28304	57.90	ug/l	0.00
Spiked Amount			Recovery	=	115.80%	
35) Dibromofluoromethane	7.89	113	26893	54.45	ug/l	0.00
Spiked Amount			Recovery	=	108.90%	
50) Toluene-d8	10.33	98	53131	21.29	ug/l	0.00
Spiked Amount			Recovery	=	42.58%	
62) 4-Bromofluorobenzene	12.63	95	19212	21.04	ug/l	0.00
Spiked Amount			Recovery	=	42.08%	

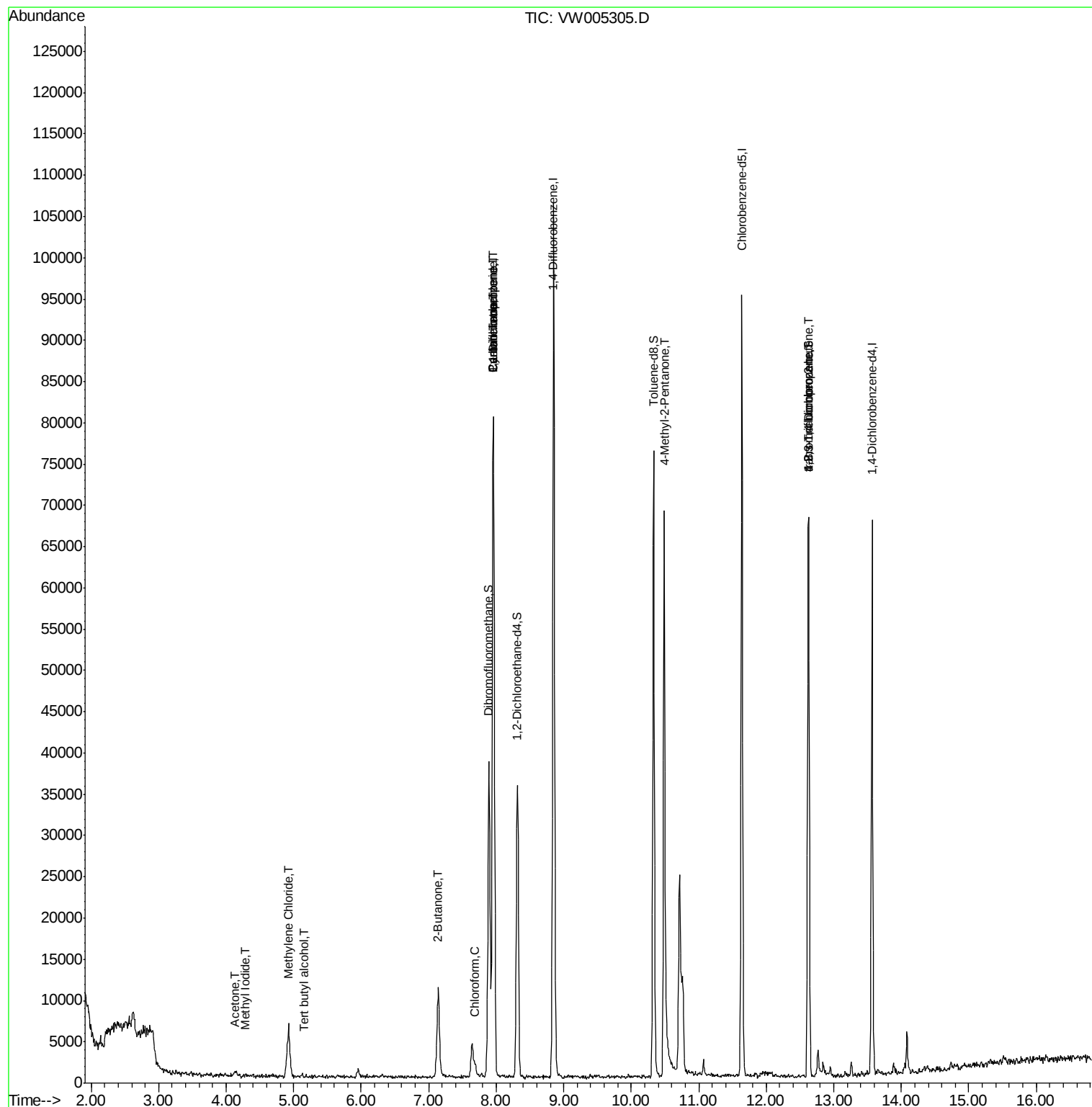
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	458	Below Cal	#	58
10) Methyl Iodide	4.29	142	117	3.483	ug/l #	45
11) Tert butyl alcohol	5.16	59	78	1.946	ug/l #	73
16) Acetone	4.14	43	1095	12.069	ug/l #	79
20) Methylene Chloride	4.92	84	4582	3.749	ug/l #	91
25) 2-Butanone	7.14	43	477	3.333	ug/l #	43
30) Chloroform	7.68	83	1224	1.241	ug/l	84
31) Cyclohexane	7.96	56	1172	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	4471	5.176	ug/l #	48
38) Carbon Tetrachloride	7.96	117	5894	7.284	ug/l #	16
51) 4-Methyl-2-Pentanone	10.48	43	397	1.156	ug/l	94
76) 1,2,3-Trichloropropane	12.62	75	8578	57.298	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8578	134.378	ug/l #	16

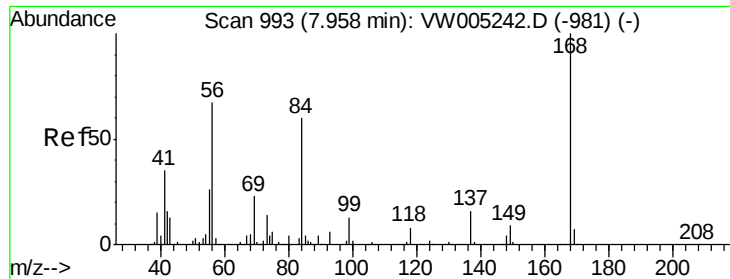
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

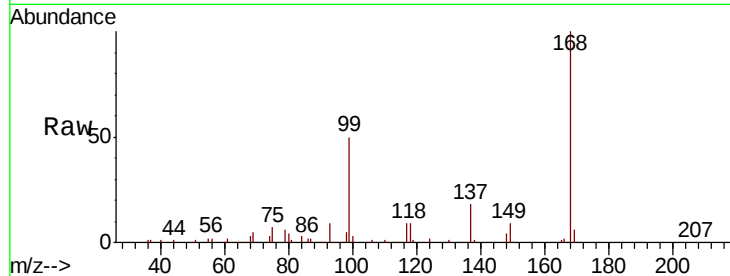
FK-PS-01-040

Tgt Ion:168 Resp: 65537

Ion Ratio Lower Upper

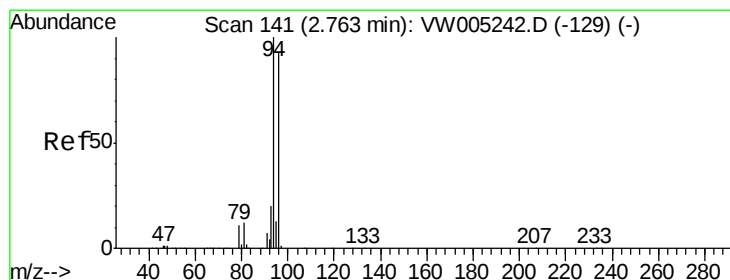
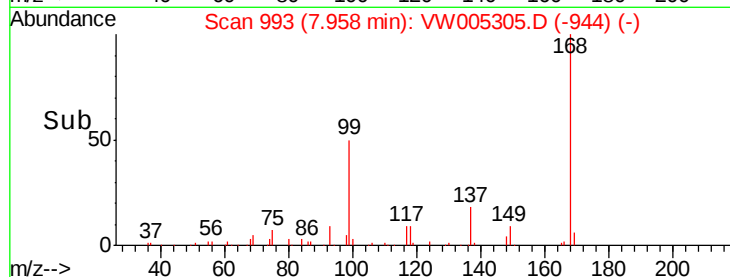
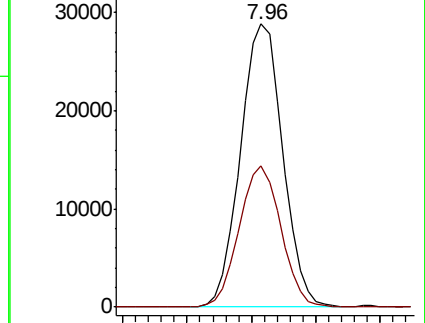
168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW005305.D

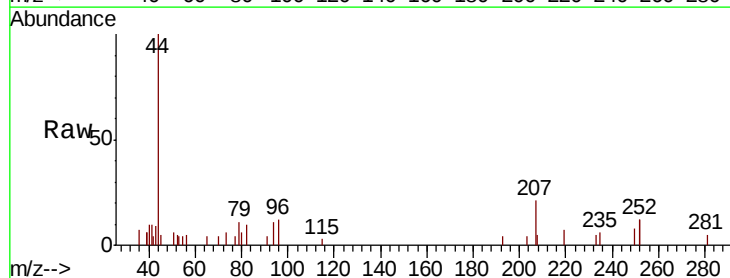
Acq: 12 Sep 2018 05:56

Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

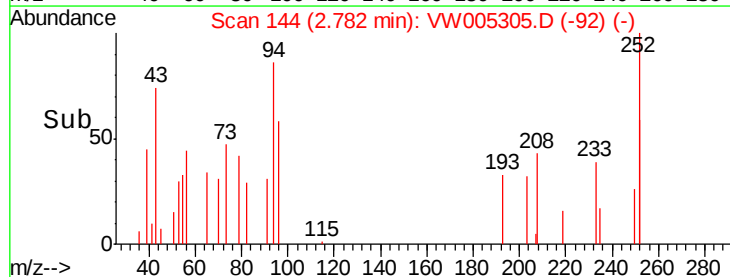
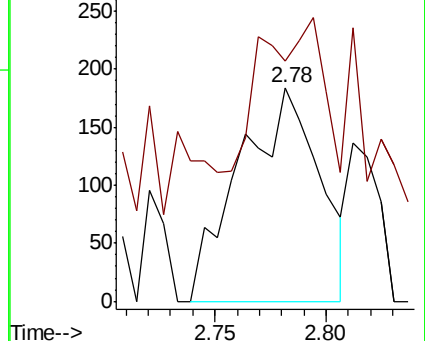
94 100

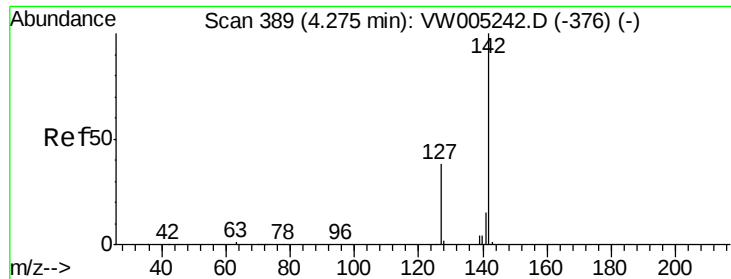
96 52.2 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

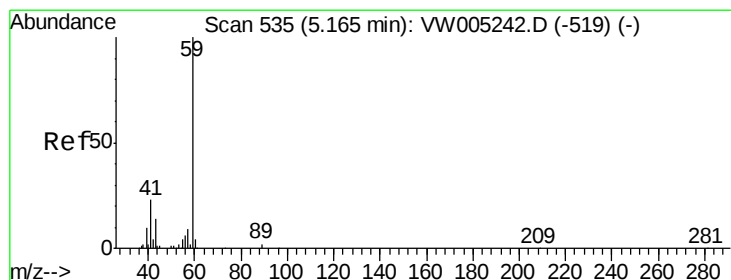
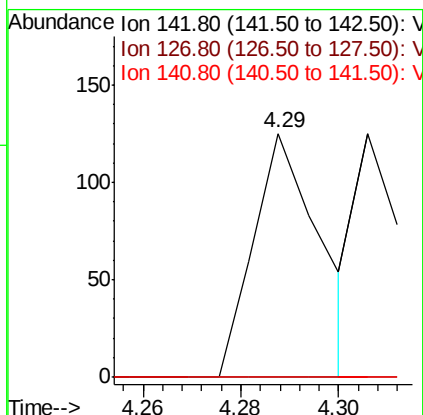
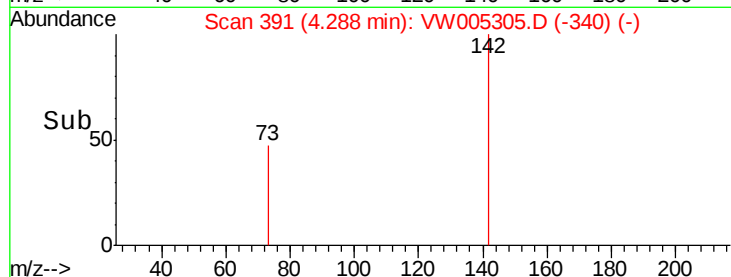
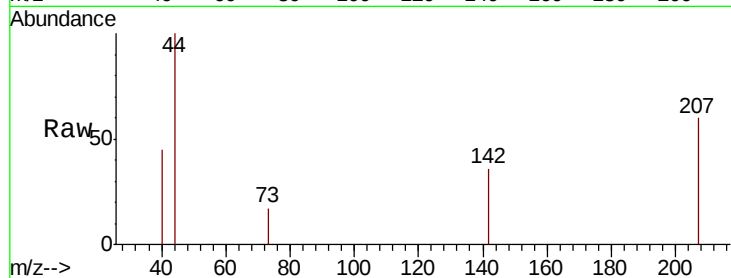




#10
Methyl Iodide
Concen: 3.483 ug/l
RT: 4.29 min Scan# 391
Delta R.T. 0.01 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

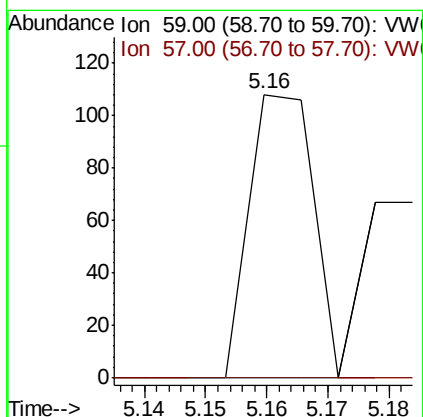
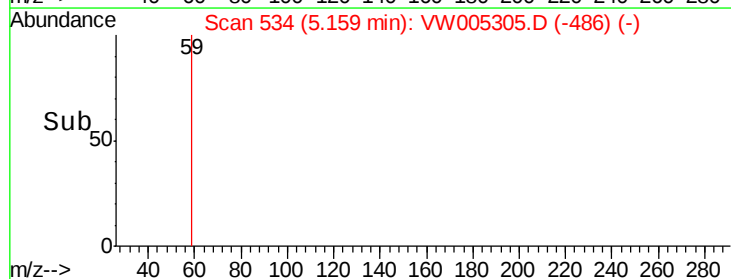
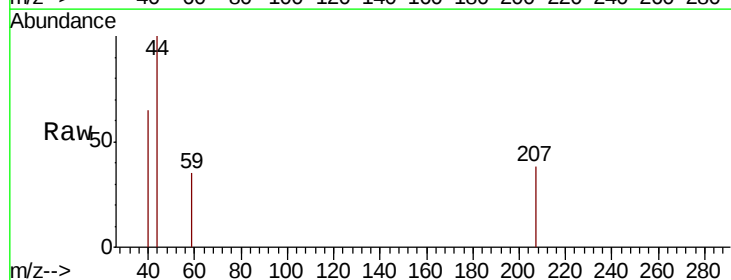
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-040

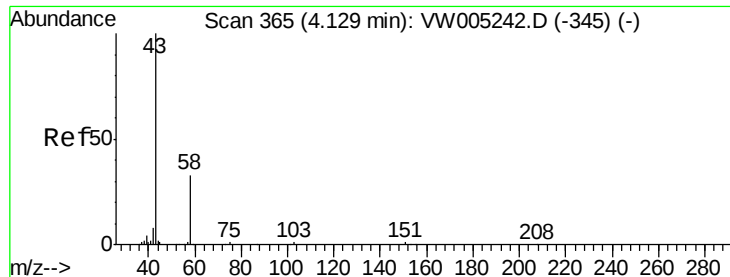
Tgt Ion: 142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 30.3 45.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.946 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

Tgt Ion: 59 Resp: 78
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 12.069 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

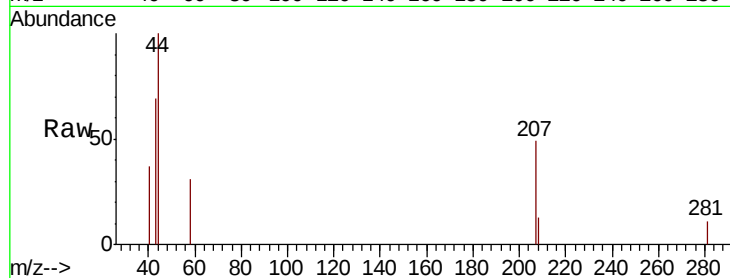
FK-PS-01-040

Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

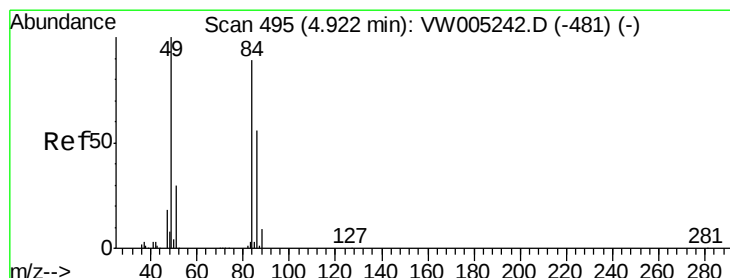
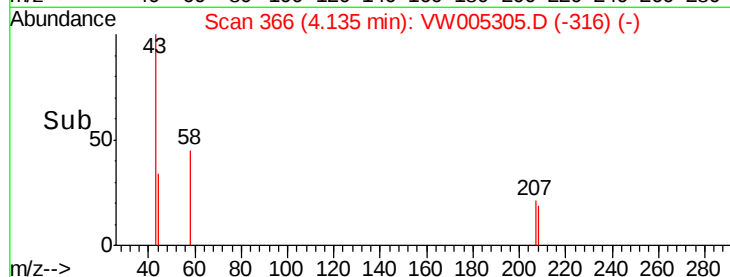
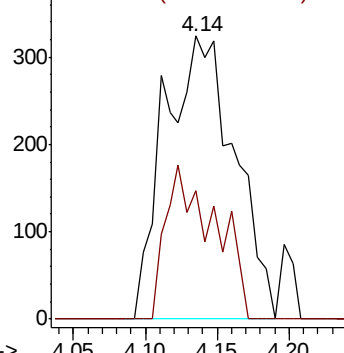
43 100

58 45.4 26.7 40.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 3.749 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Tgt Ion: 84 Resp: 4582

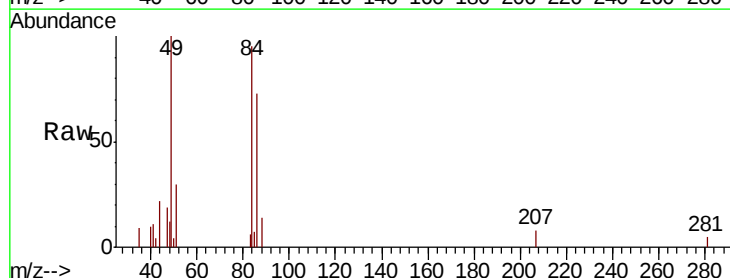
Ion Ratio Lower Upper

84 100

49 105.1 90.3 135.5

51 31.9 26.9 40.3

86 76.3 50.8 76.2#

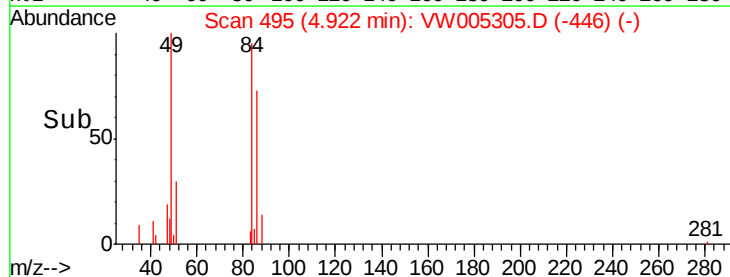
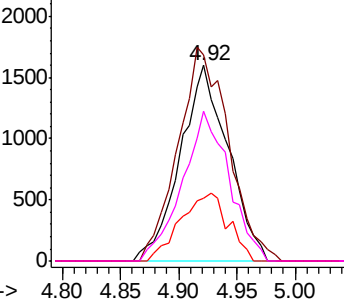


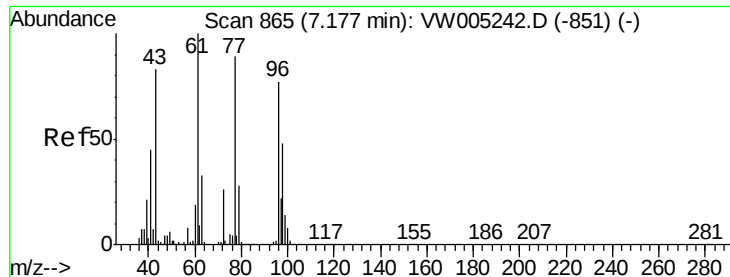
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.333 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

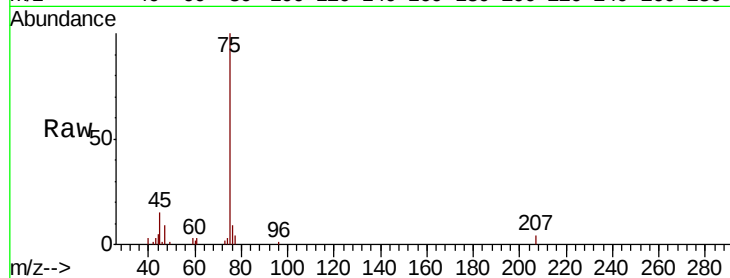
FK-PS-01-040

Tgt Ion: 43 Resp: 477

Ion Ratio Lower Upper

43 100

72 0.0 25.0 37.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.14

200

150

100

50

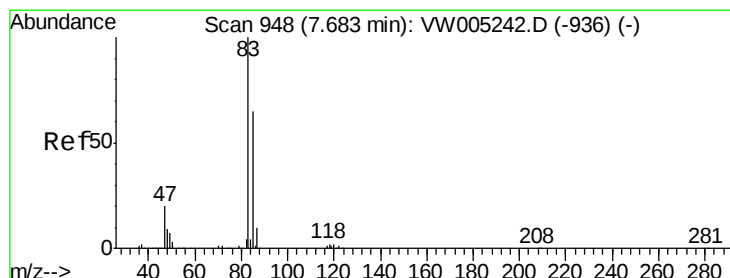
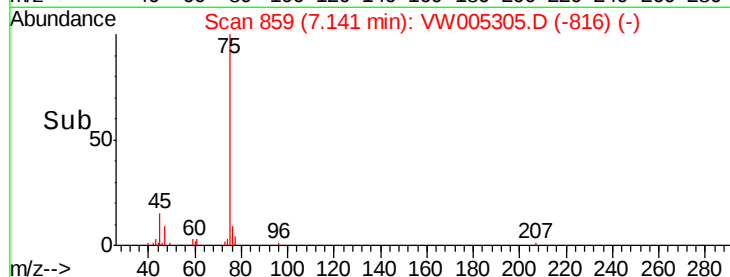
0

7.10

7.15

7.20

Time-->



#30

Chloroform

Concen: 1.241 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.00 min

Lab File: VW005305.D

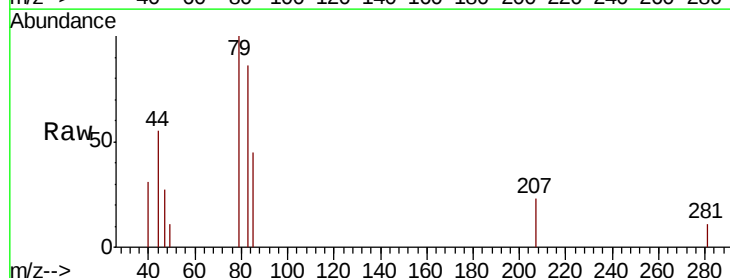
Acq: 12 Sep 2018 05:56

Tgt Ion: 83 Resp: 1224

Ion Ratio Lower Upper

83 100

85 52.2 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

7.68

500

400

300

200

100

0

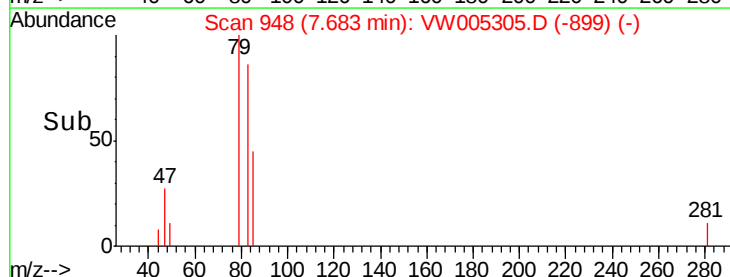
7.60

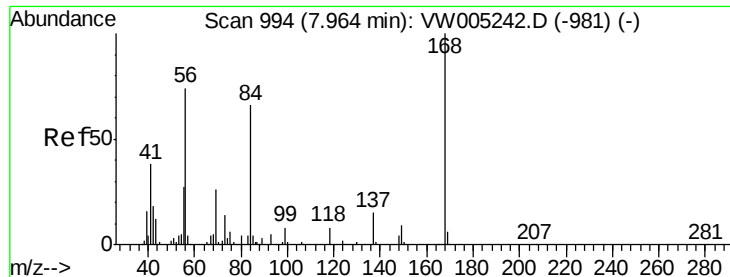
7.65

7.70

7.75

Time-->

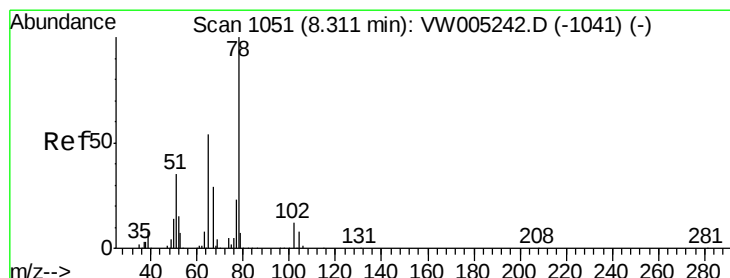
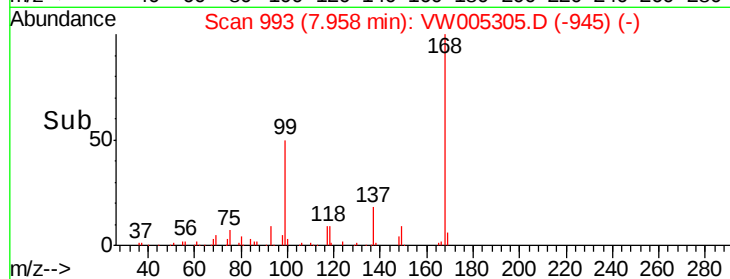
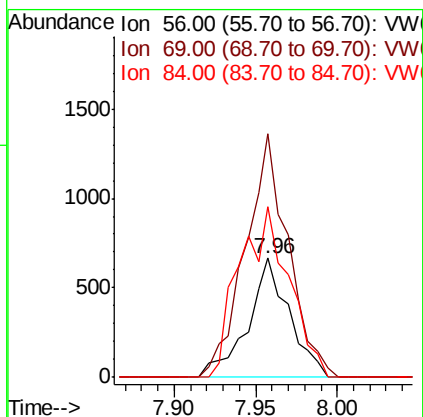
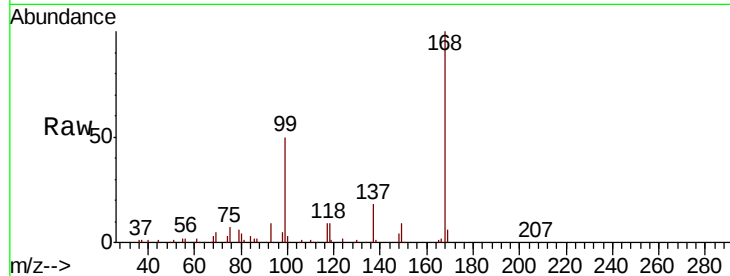




#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

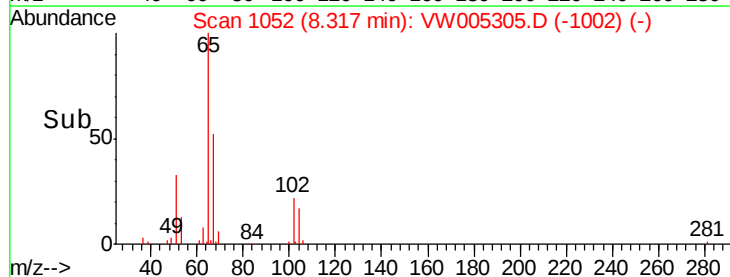
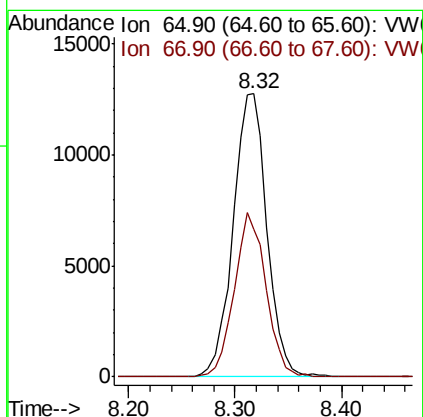
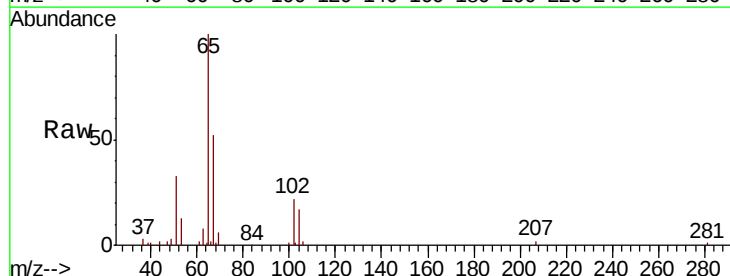
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-040

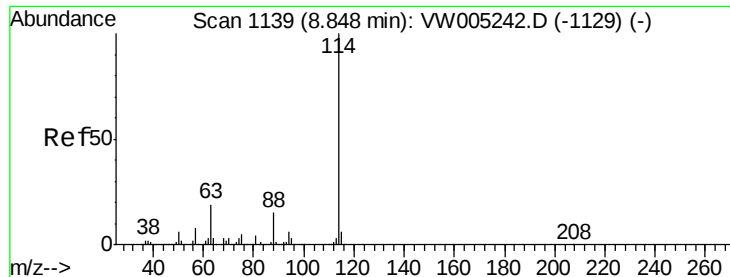
Tgt Ion: 56 Resp: 1172
Ion Ratio Lower Upper
56 100
69 204.7 27.8 41.8#
84 143.5 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 57.903 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

Tgt Ion: 65 Resp: 28304
Ion Ratio Lower Upper
65 100
67 54.7 0.0 112.2

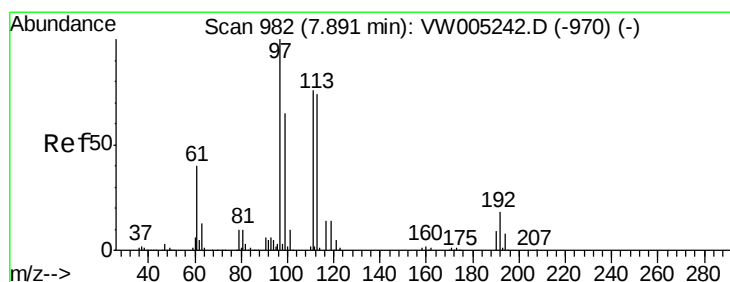
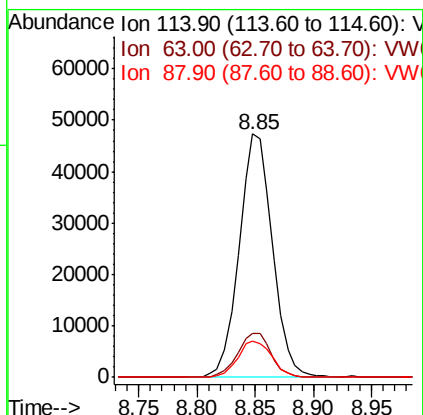
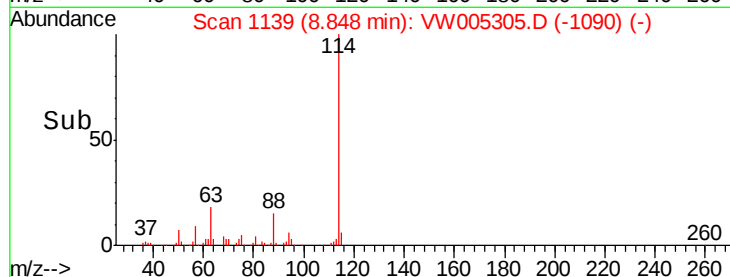
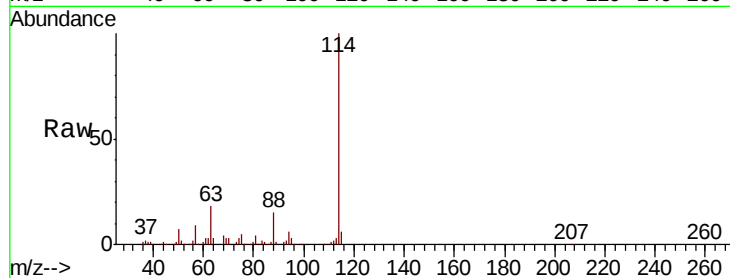




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005305.D
 Acq: 12 Sep 2018 05:56

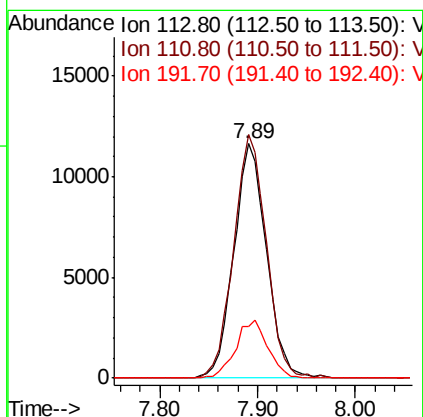
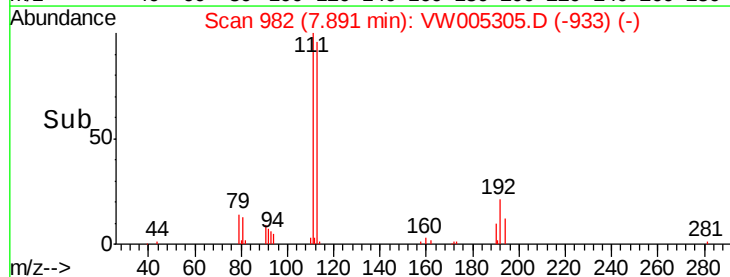
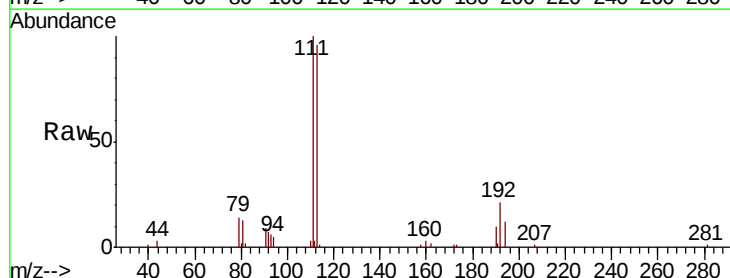
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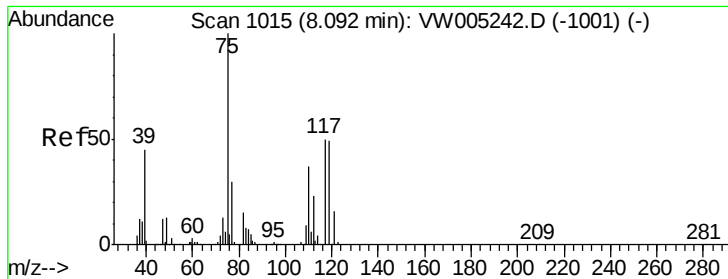
Tgt Ion:114 Resp: 94289
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.0
 88 14.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 54.448 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW005305.D
 Acq: 12 Sep 2018 05:56

Tgt Ion:113 Resp: 26893
 Ion Ratio Lower Upper
 113 100
 111 104.0 80.6 121.0
 192 24.4 18.3 27.5





#36

1,1-Dichloropropene

Concen: 5.176 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.14 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-040

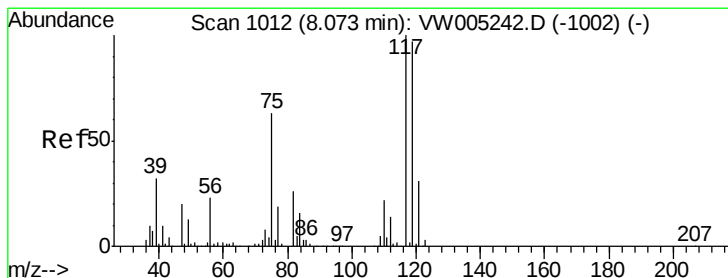
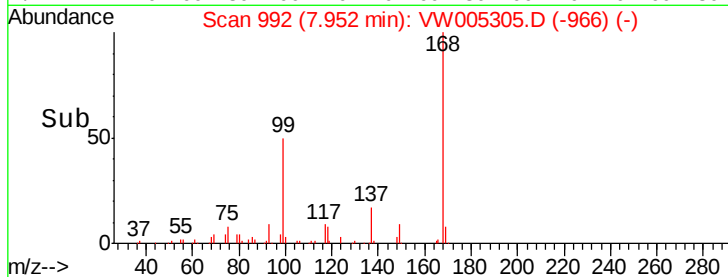
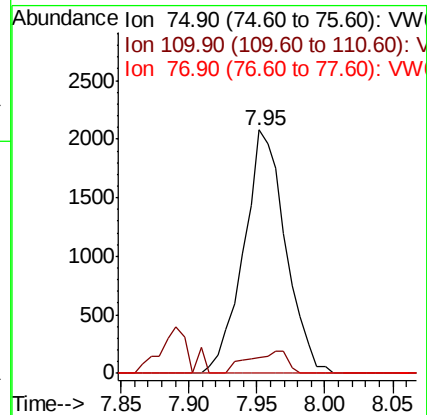
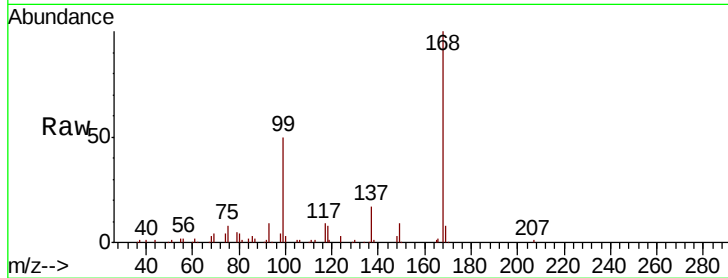
Tgt Ion: 75 Resp: 4471

Ion Ratio Lower Upper

75 100

110 8.6 18.8 56.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 7.284 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

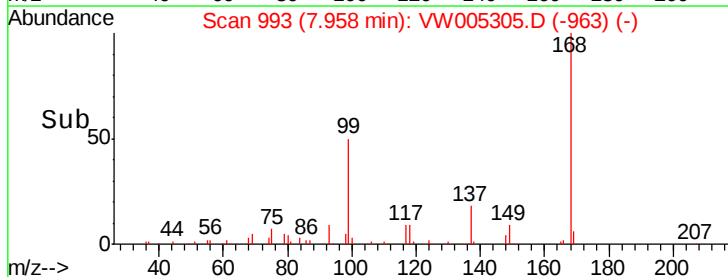
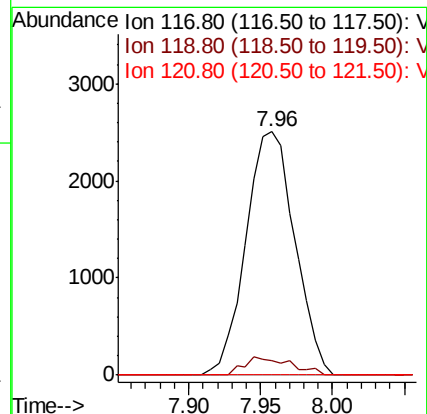
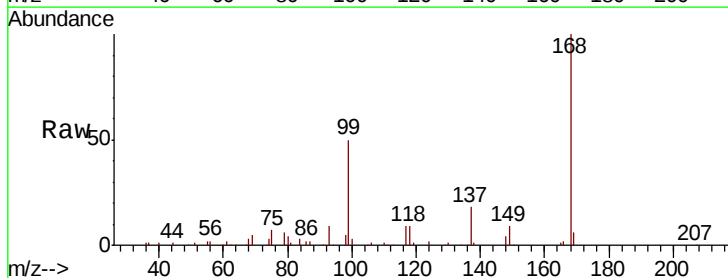
Tgt Ion: 117 Resp: 5894

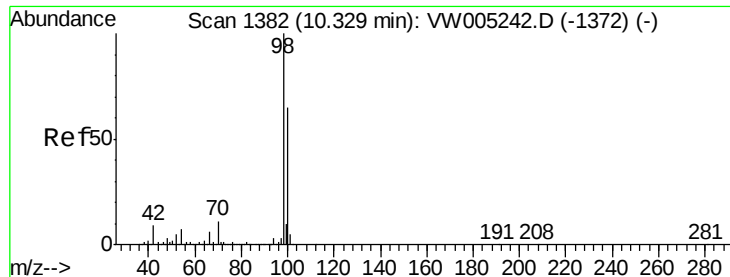
Ion Ratio Lower Upper

117 100

119 5.9 77.5 116.3#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 21.288 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

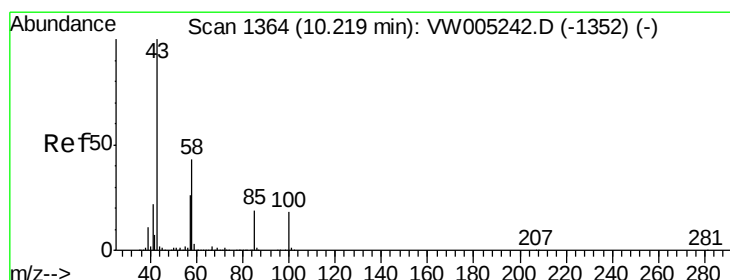
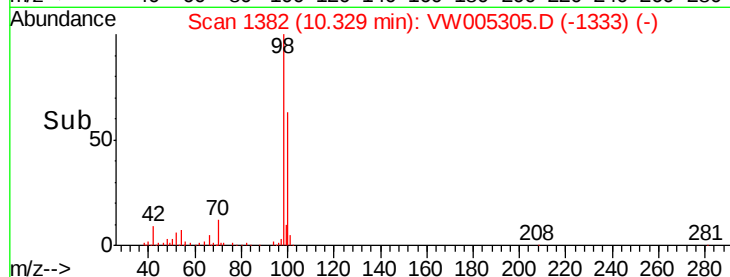
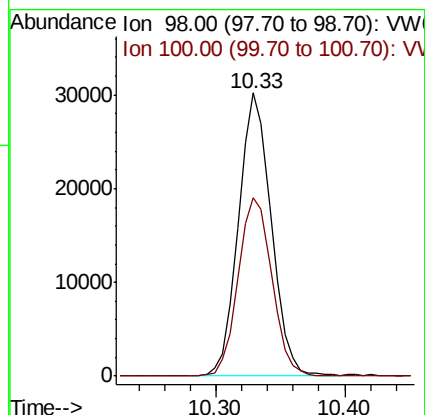
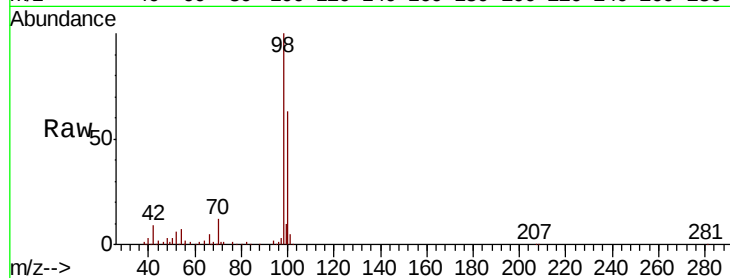
FK-PS-01-040

Tgt Ion: 98 Resp: 53131

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.156 ug/l

RT: 10.48 min Scan# 1407

Delta R.T. 0.26 min

Lab File: VW005305.D

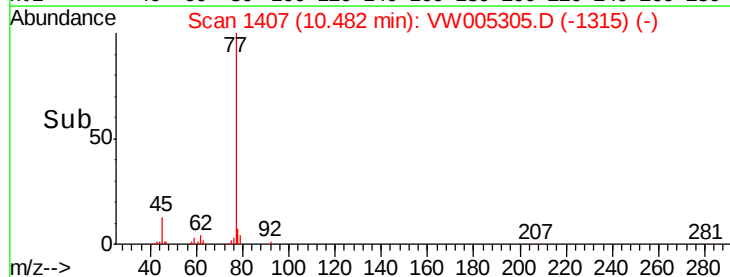
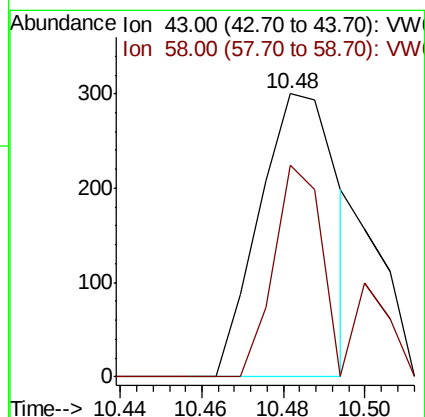
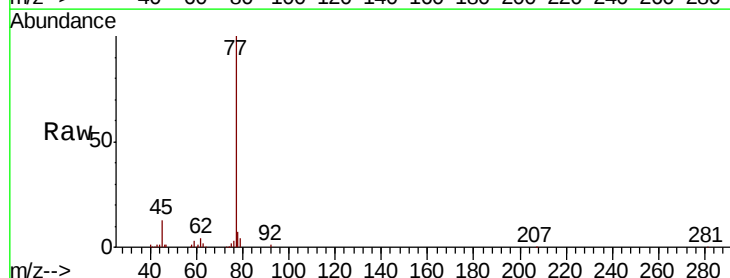
Acq: 12 Sep 2018 05:56

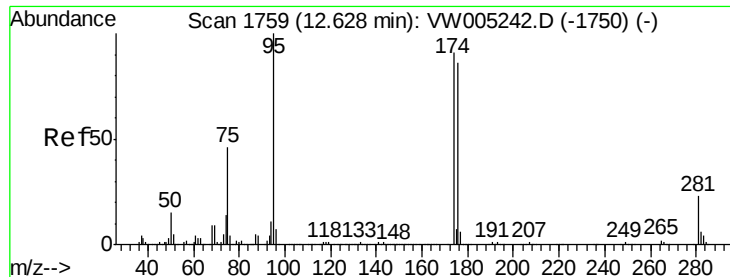
Tgt Ion: 43 Resp: 397

Ion Ratio Lower Upper

43 100

58 45.8 33.8 50.6

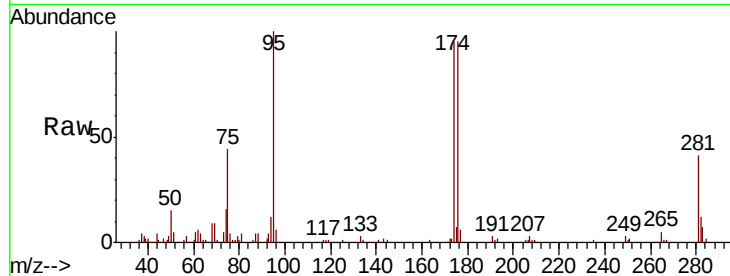




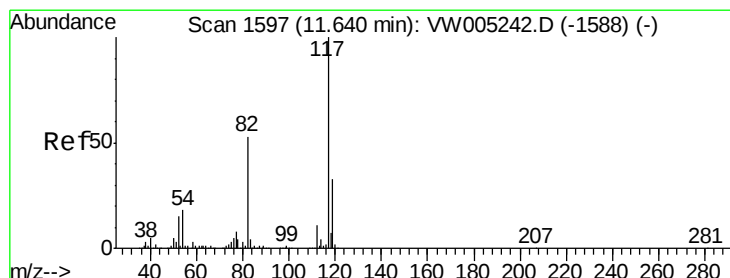
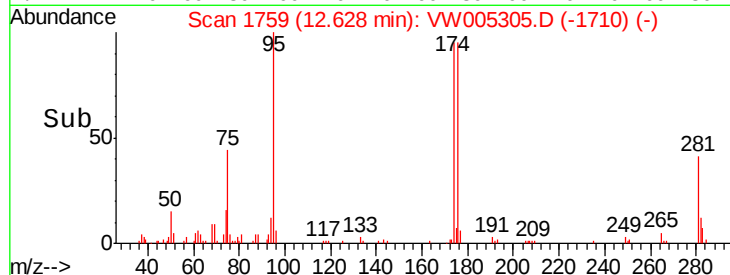
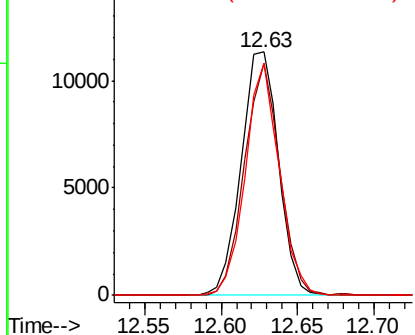
#62
4-Bromofluorobenzene
Concen: 21.045 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-040

Tgt Ion: 95 Resp: 19212
Ion Ratio Lower Upper
95 100
174 90.5 0.0 174.6
176 87.0 0.0 167.6

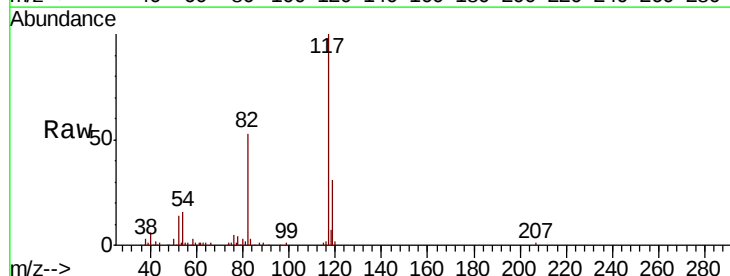


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

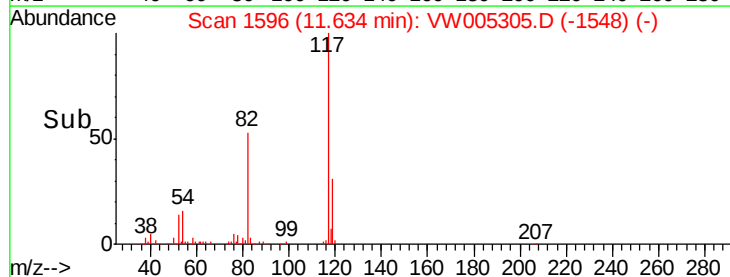
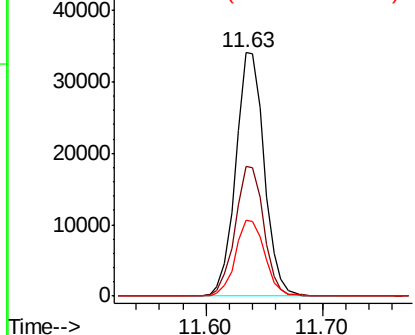


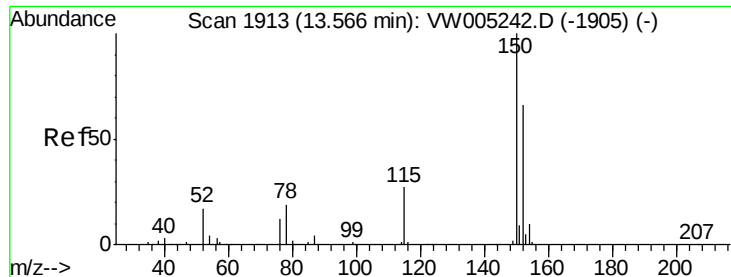
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005305.D
Acq: 12 Sep 2018 05:56

Tgt Ion: 117 Resp: 58330
Ion Ratio Lower Upper
117 100
82 53.0 42.6 63.8
119 31.2 26.2 39.4



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# 1913

Delta R.T. 0.00 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-040

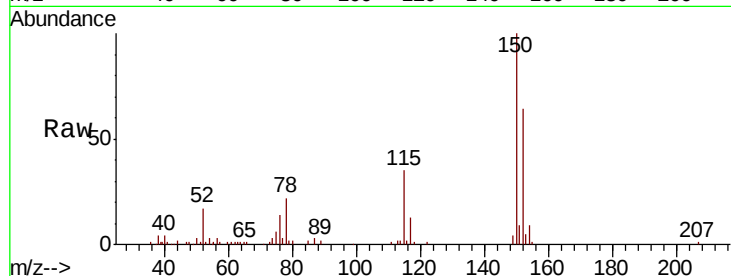
Tgt Ion:152 Resp: 19464

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.4

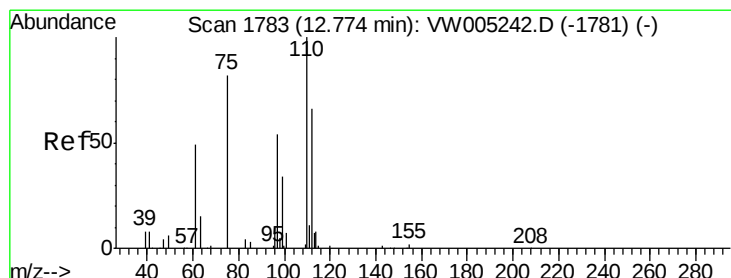
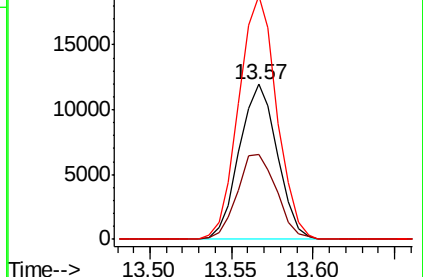
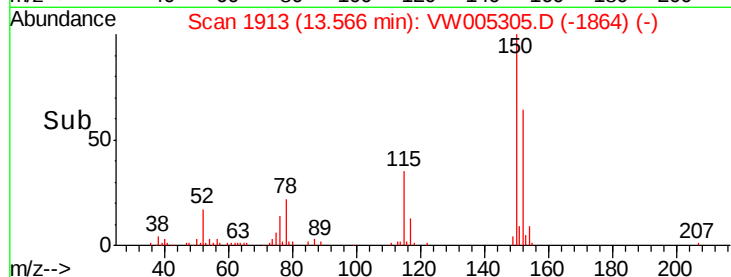
150 156.6 0.0 347.4



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: 57.298 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005305.D

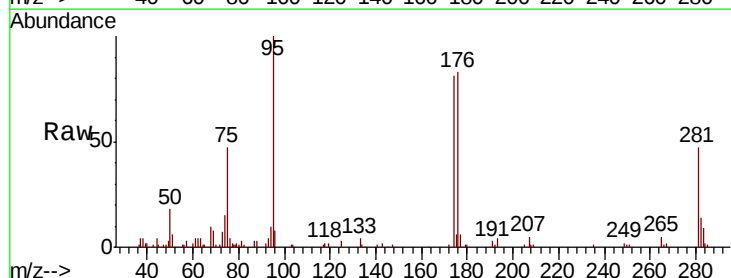
Acq: 12 Sep 2018 05:56

Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

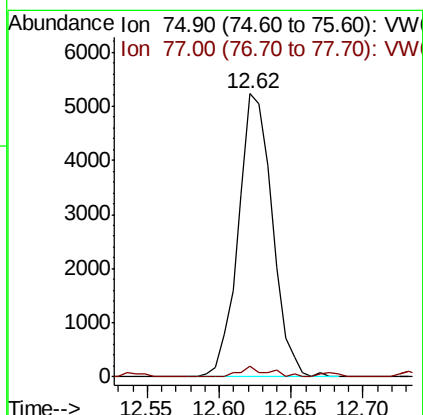
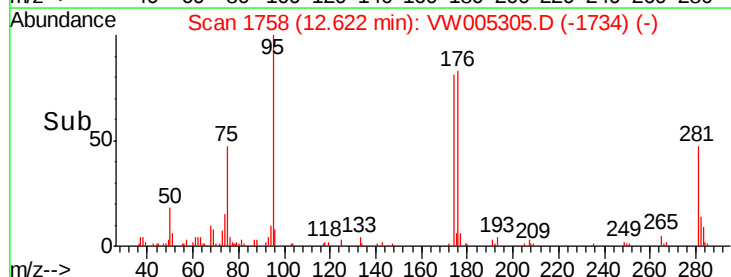
75 100

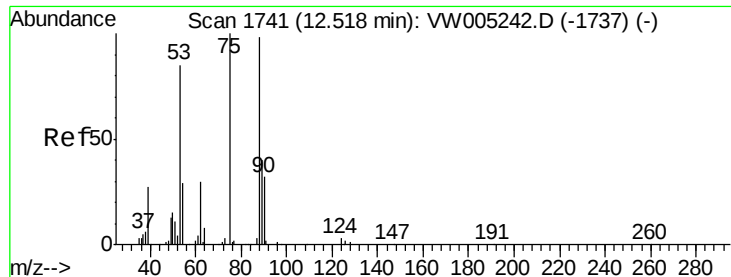
77 3.0 0.0 0.0#



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: 134.378 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005305.D

Acq: 12 Sep 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-040

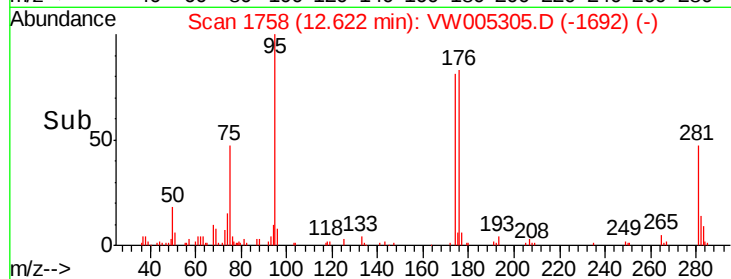
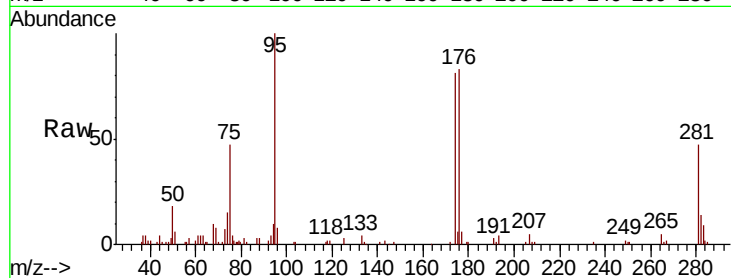
Tgt Ion: 75 Resp: 8578

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.6#

89 0.0 37.0 55.4#



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

