

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
 Data File : VW013258.D
 Acq On : 24 Sep 2019 05:04
 Operator : SY/VA
 Sample : K4969-02
 Misc : 4.98G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-059

Quant Time: Sep 24 06:46:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	518461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153313	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	157250	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	
35) Dibromofluoromethane	7.88	113	147656	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
50) Toluene-d8	10.32	98	616689	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.62	95	174798	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

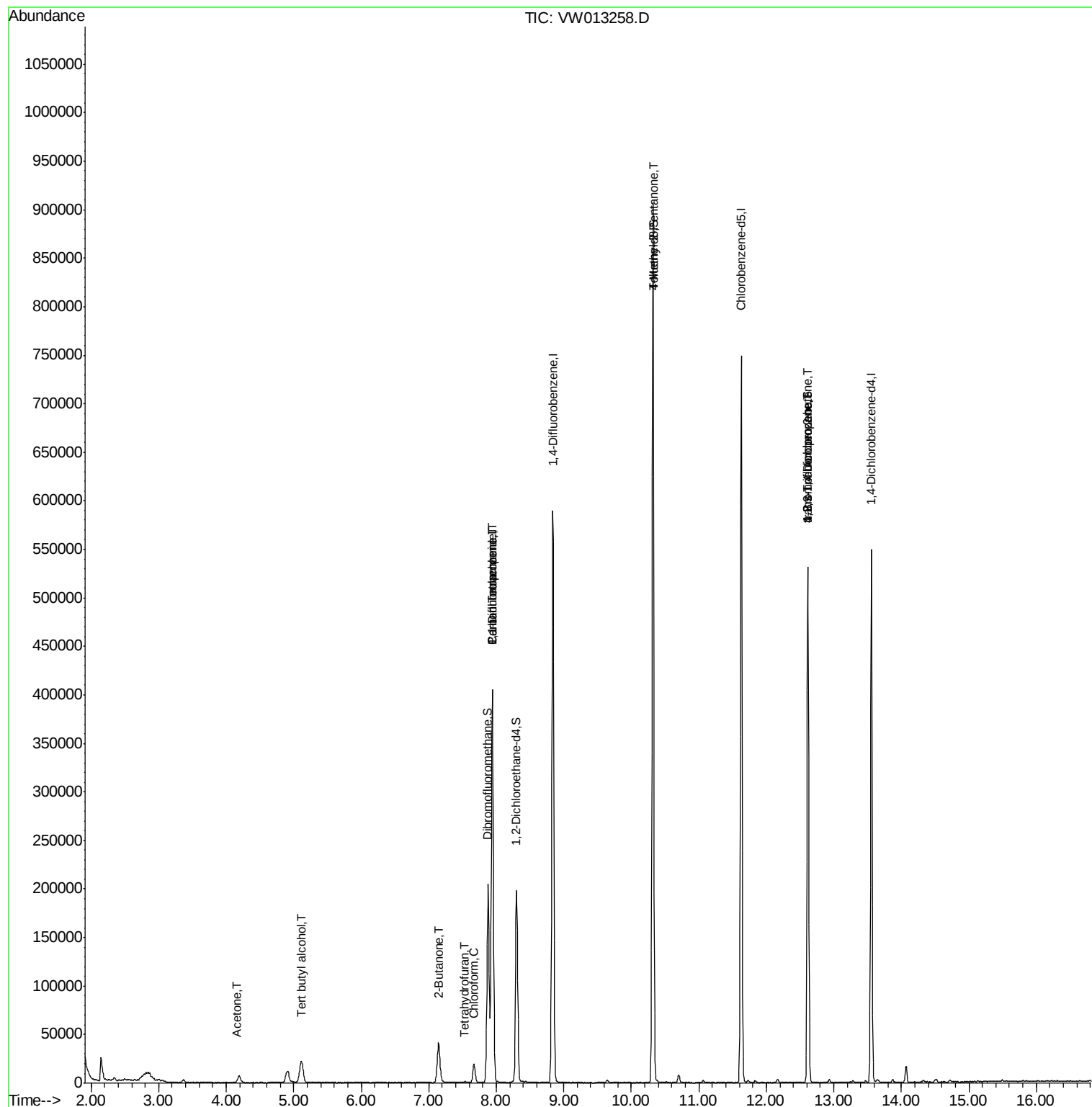
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.11	59	21800	102.598	ug/l #	74
16) Acetone	4.15	43	746	1.186	ug/l	94
25) 2-Butanone	7.15	43	2171	2.299	ug/l #	51
26) 2,2-Dichloropropane	7.15	77	3317	Below Cal	#	52
29) Tetrahydrofuran	7.53	42	804	1.388	ug/l #	85
30) Chloroform	7.67	83	18186	3.202	ug/l	97
36) 1,1-Dichloropropene	7.93	75	22646	4.510	ug/l #	48
38) Carbon Tetrachloride	7.95	117	29301	6.509	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2316	1.129	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	81129	59.920	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81129	134.455	ug/l #	12

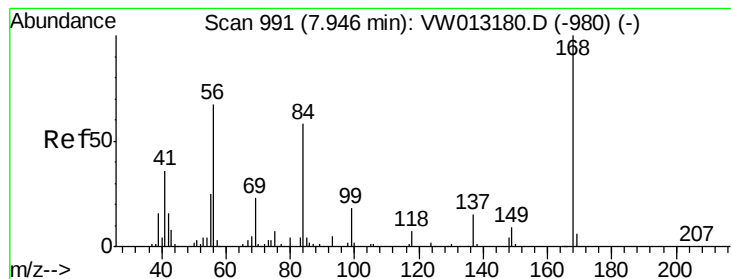
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

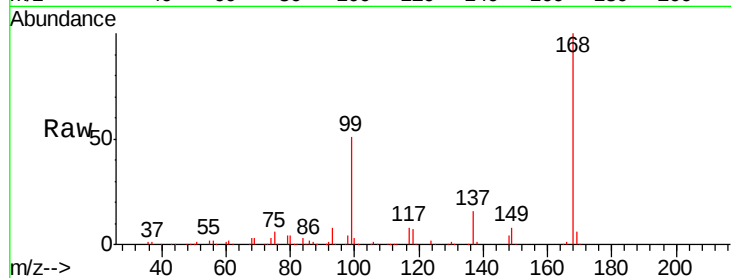
FK-PS-01-059

Tgt Ion: 168 Resp: 341804

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

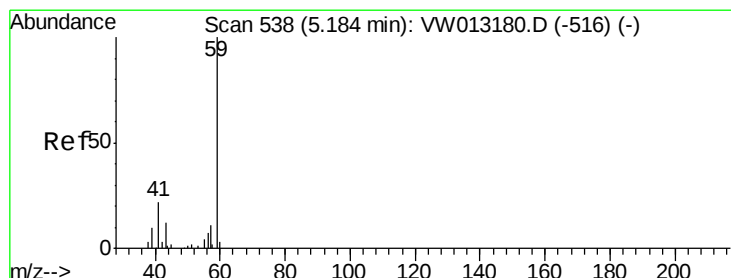
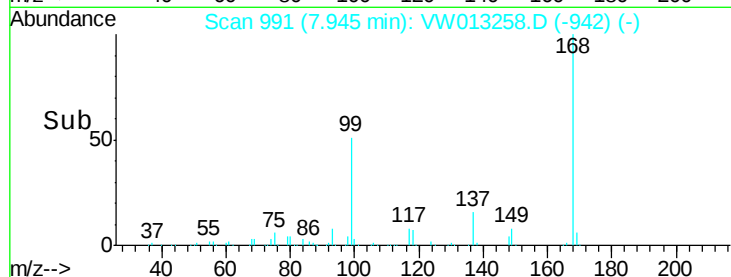
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 102.598 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW013258.D

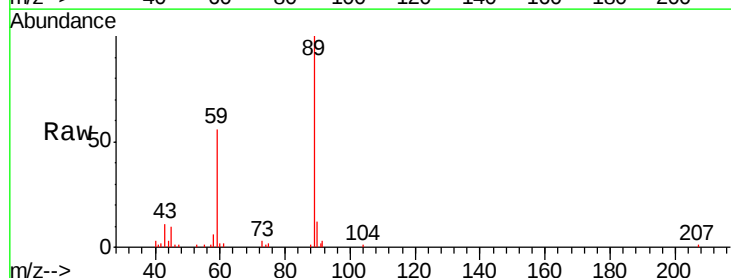
Acq: 24 Sep 2019 05:04

Tgt Ion: 59 Resp: 21800

Ion Ratio Lower Upper

59 100

57 0.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

6000

5000

4000

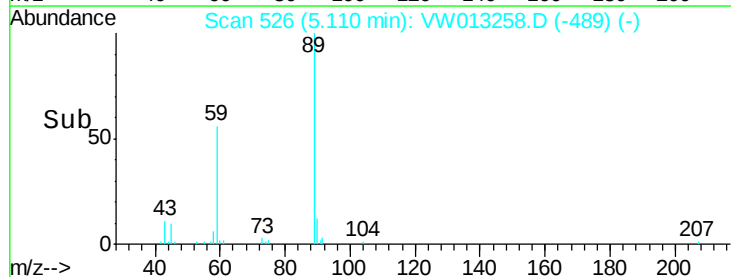
3000

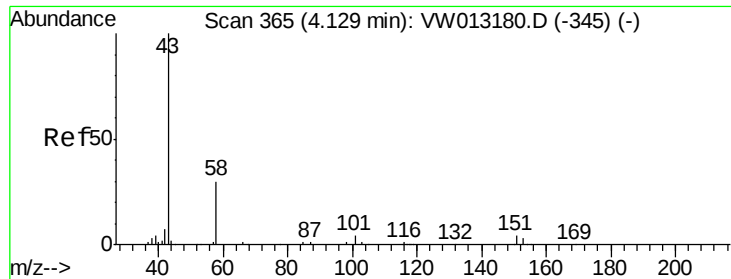
2000

1000

0

Time-->





#16

Acetone

Concen: 1.186 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

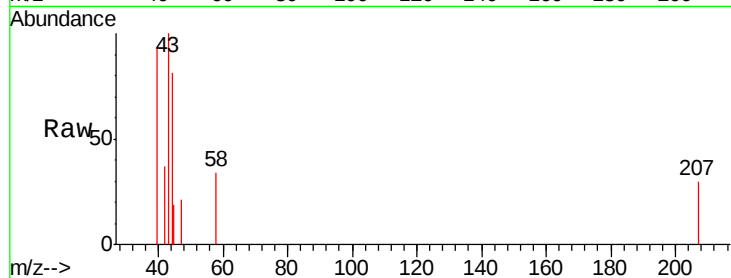
FK-PS-01-059

Tgt Ion: 43 Resp: 746

Ion Ratio Lower Upper

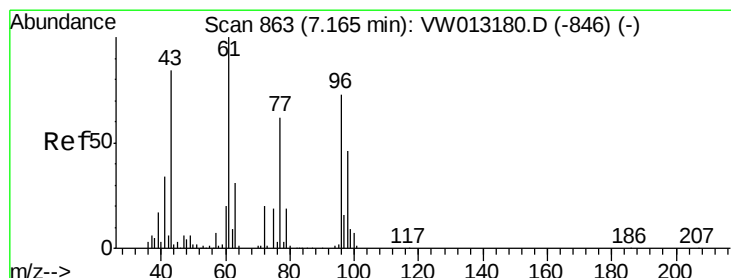
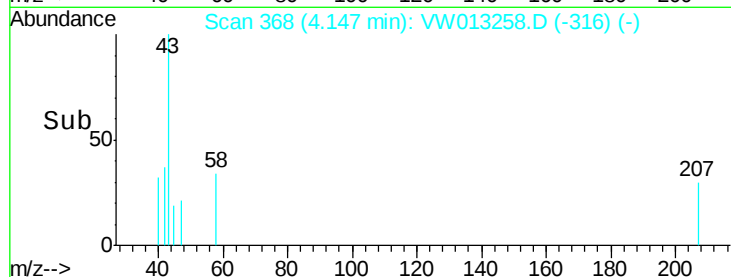
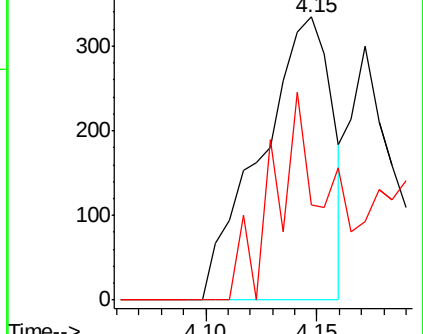
43 100

58 33.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 2.299 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013258.D

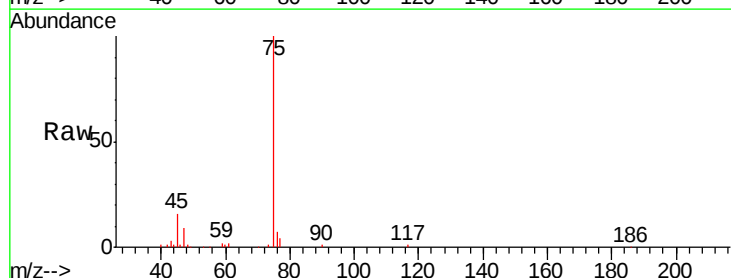
Acq: 24 Sep 2019 05:04

Tgt Ion: 43 Resp: 2171

Ion Ratio Lower Upper

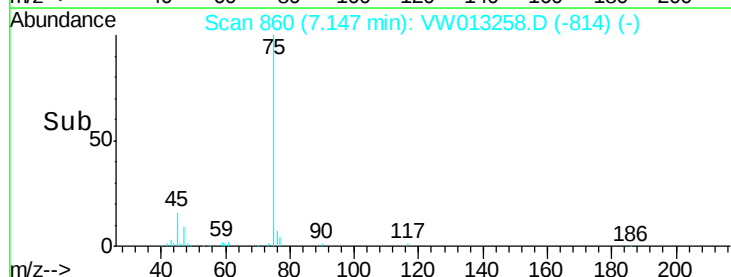
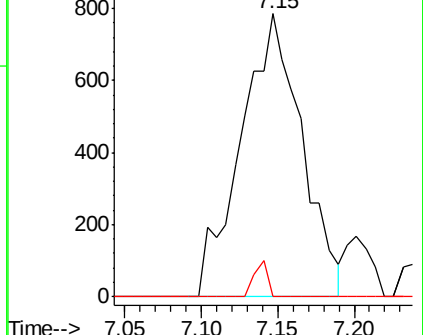
43 100

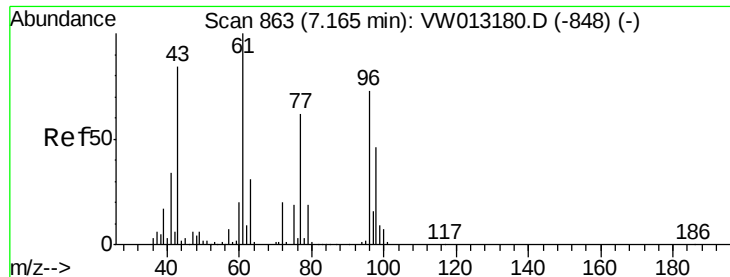
72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

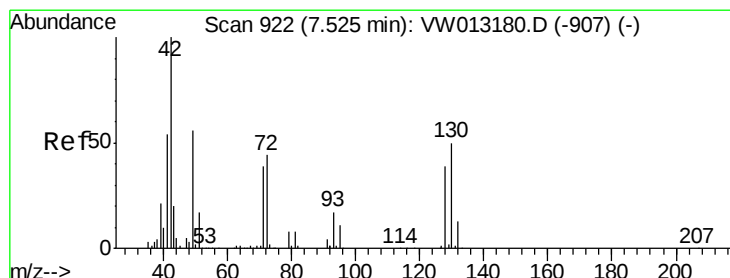
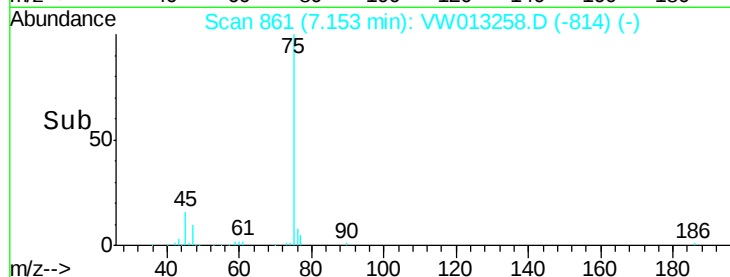
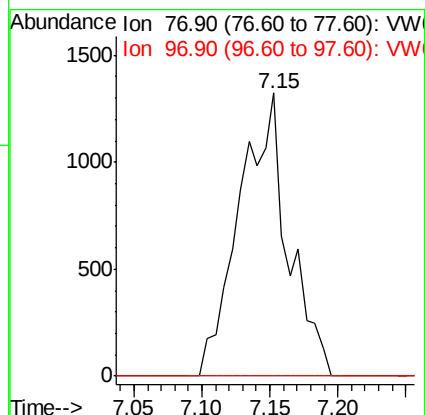
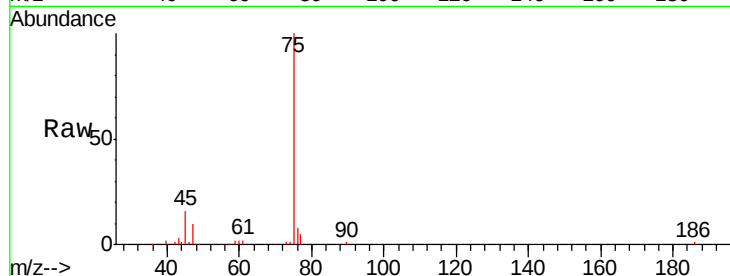
FK-PS-01-059

Tgt Ion: 77 Resp: 3317

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#29

Tetrahydrofuran

Concen: 1.388 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

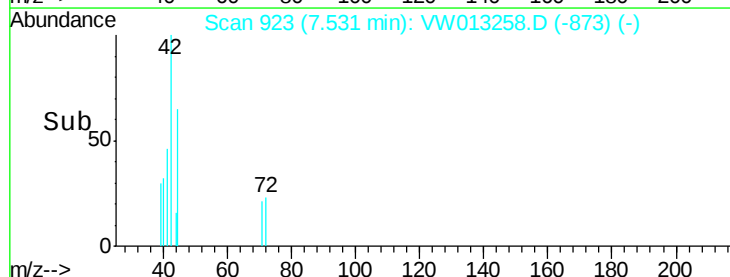
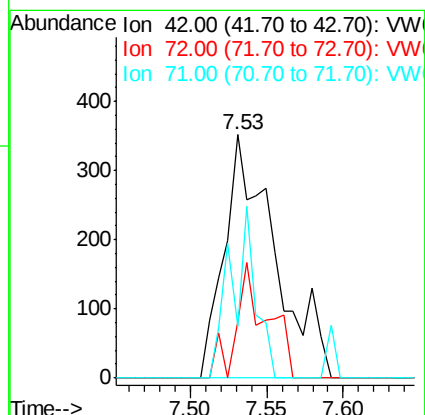
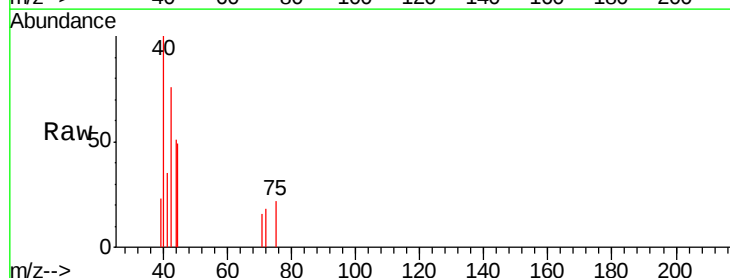
Tgt Ion: 42 Resp: 804

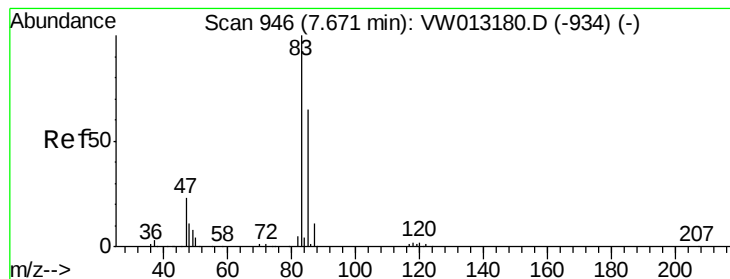
Ion Ratio Lower Upper

42 100

72 29.6 33.9 50.9#

71 34.6 31.9 47.9





#30

Chloroform

Concen: 3.202 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

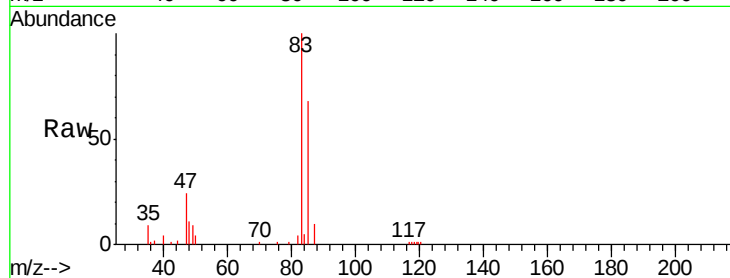
FK-PS-01-059

Tgt Ion: 83 Resp: 18186

Ion Ratio Lower Upper

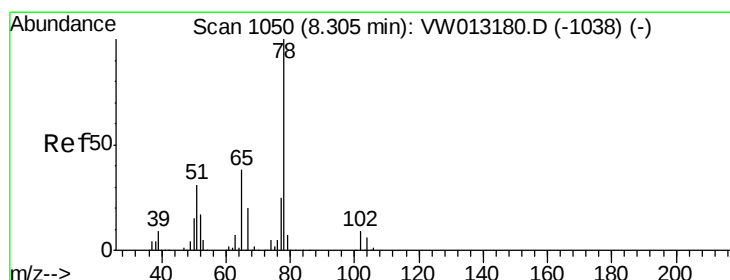
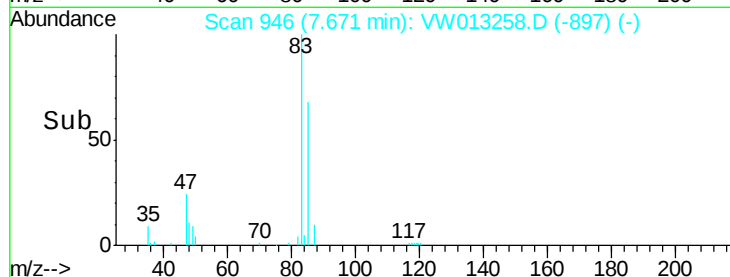
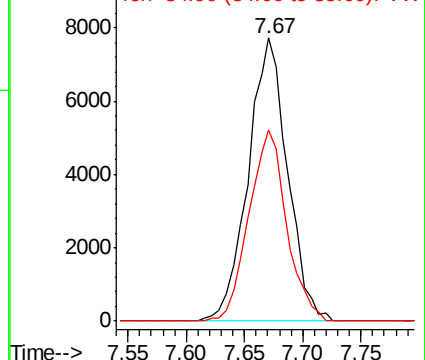
83 100

85 67.6 52.3 78.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW



#33

1,2-Dichloroethane-d4

Concen: 56.370 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013258.D

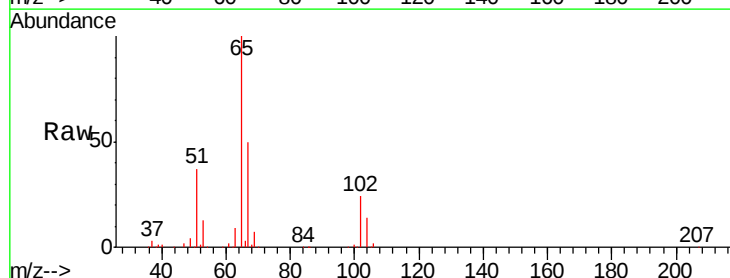
Acq: 24 Sep 2019 05:04

Tgt Ion: 65 Resp: 157250

Ion Ratio Lower Upper

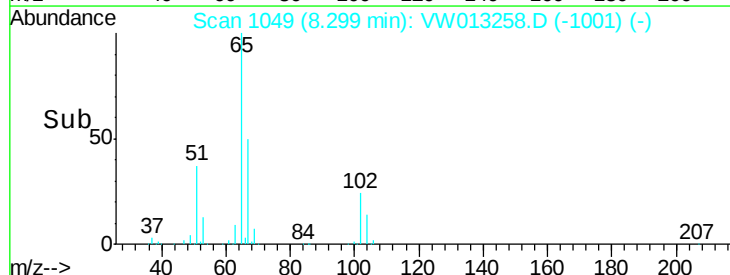
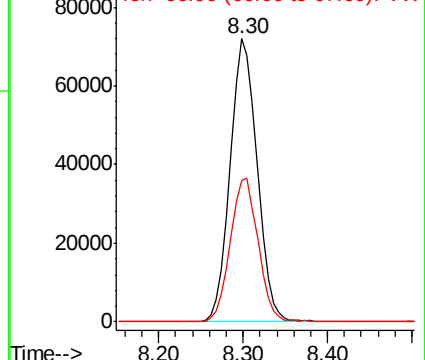
65 100

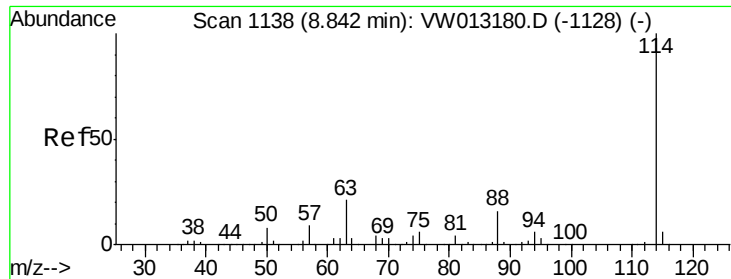
67 51.8 0.0 106.2



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# 1137

Delta R.T. -0.01 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-059

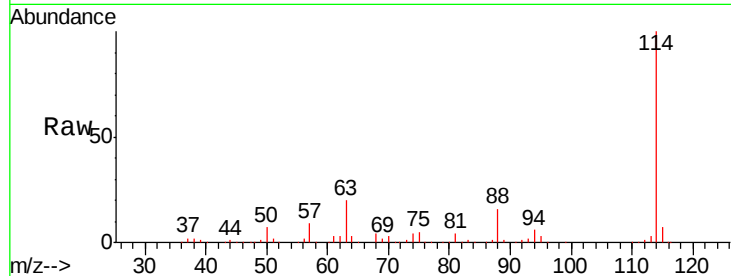
Tgt Ion:114 Resp: 518461

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

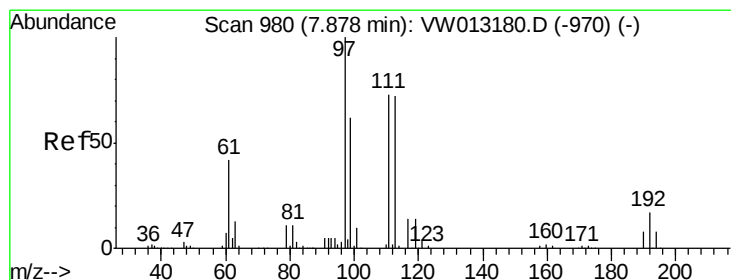
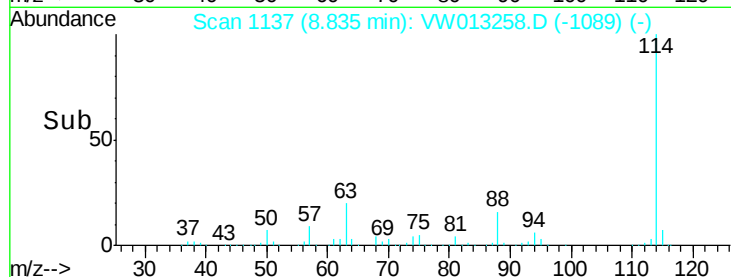
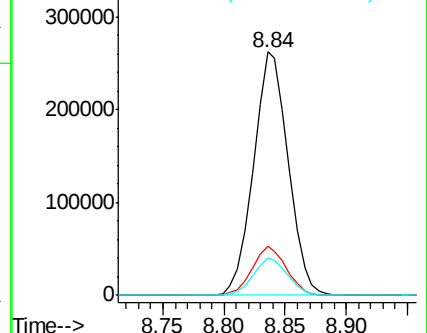
88 15.5 0.0 32.0



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: 51.781 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

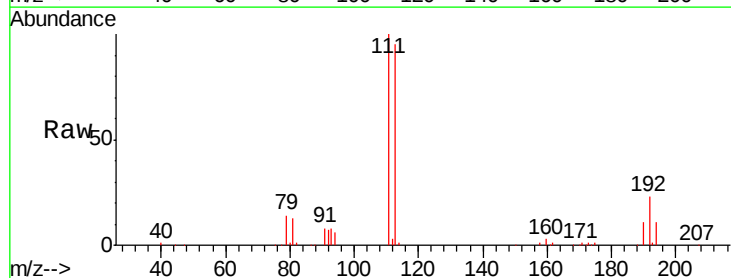
Tgt Ion:113 Resp: 147656

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

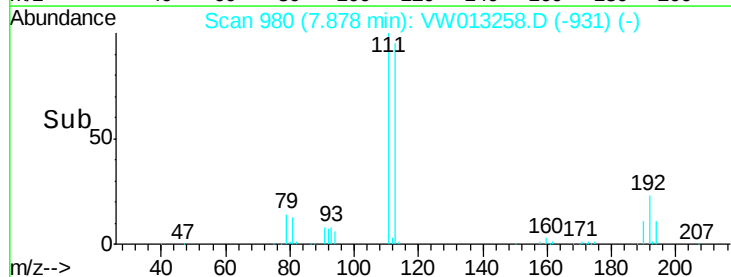
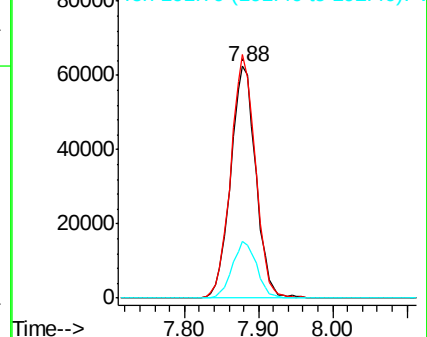
192 23.8 19.1 28.7

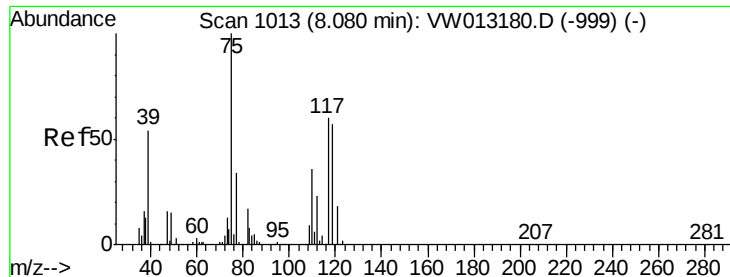


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

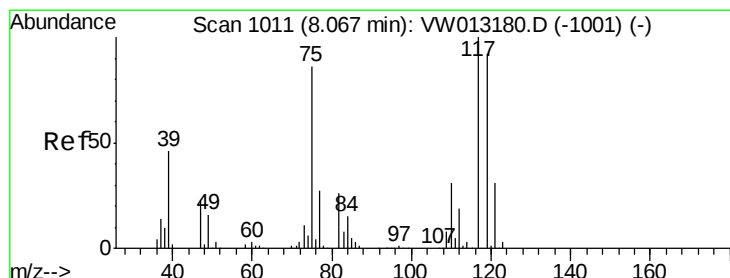
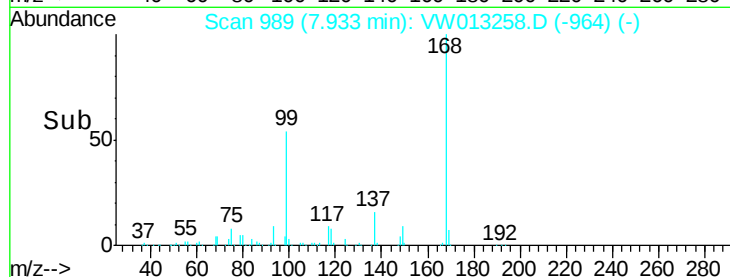
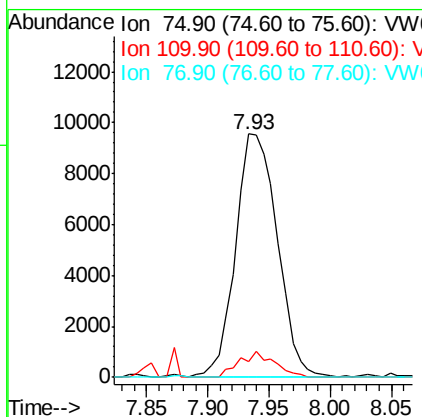
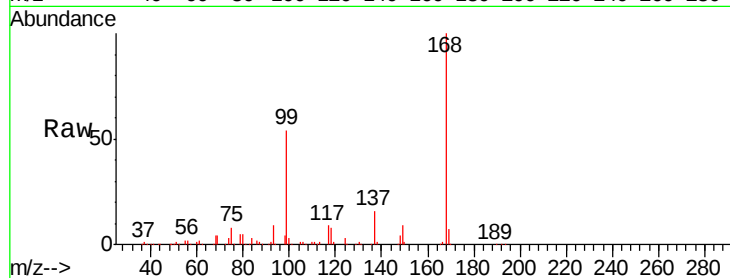




#36
 1,1-Dichloropropene
 Concen: 4.510 ug/l
 RT: 7.93 min Scan# 989
 Delta R.T. -0.15 min
 Lab File: VW013258.D
 Acq: 24 Sep 2019 05:04

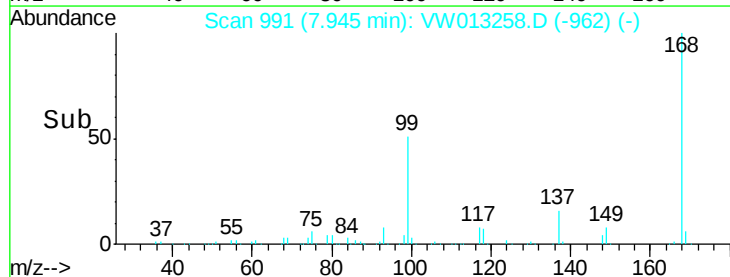
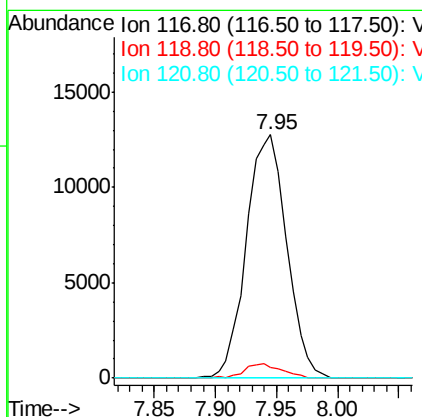
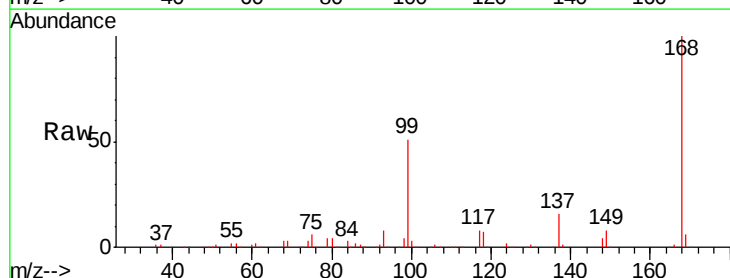
Instrument :
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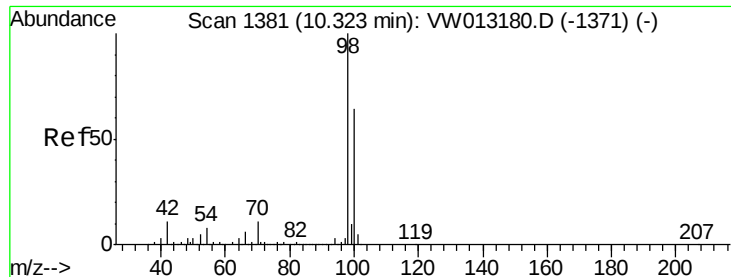
Tgt Ion: 75 Resp: 22646
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.509 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013258.D
 Acq: 24 Sep 2019 05:04

Tgt Ion: 117 Resp: 29301
 Ion Ratio Lower Upper
 117 100
 119 4.4 73.5 110.3#
 121 0.0 25.0 37.6#

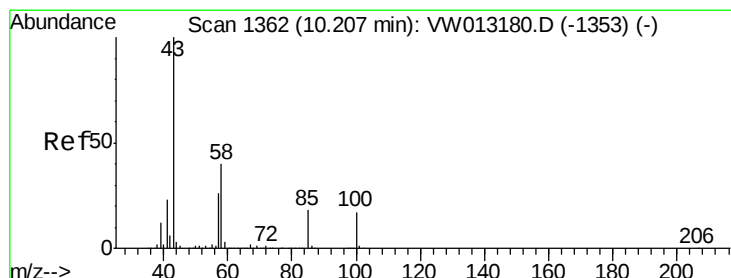
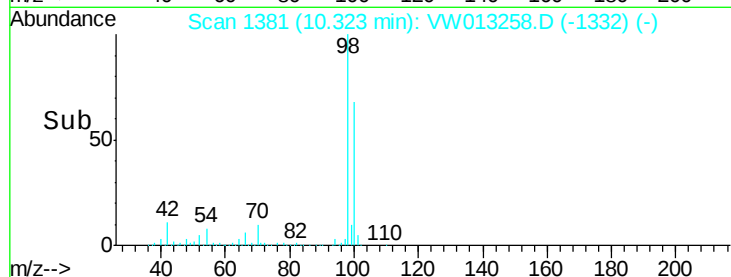
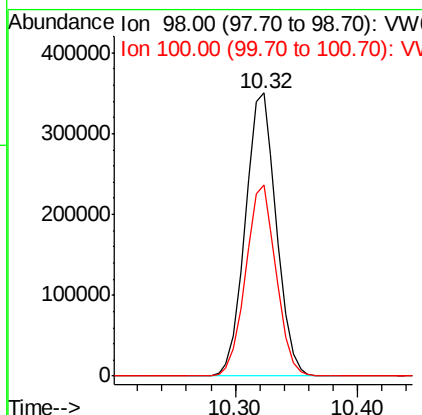
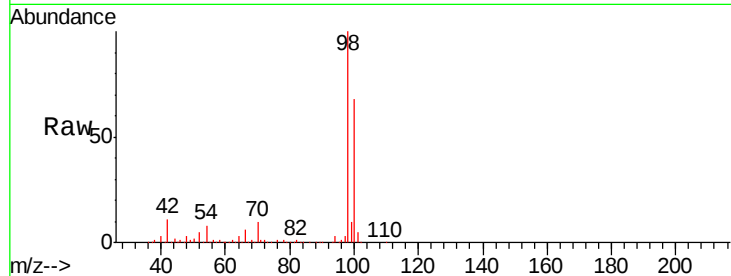




#50
Toluene-d8
Concen: 51.675 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013258.D
Acq: 24 Sep 2019 05:04

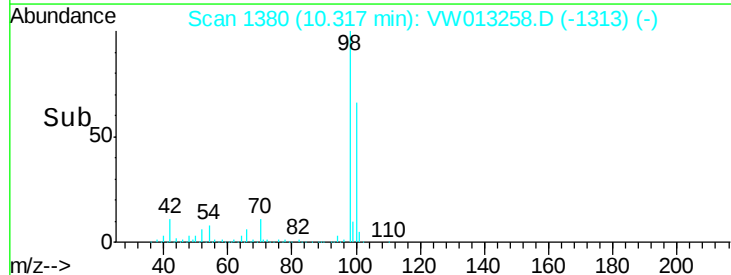
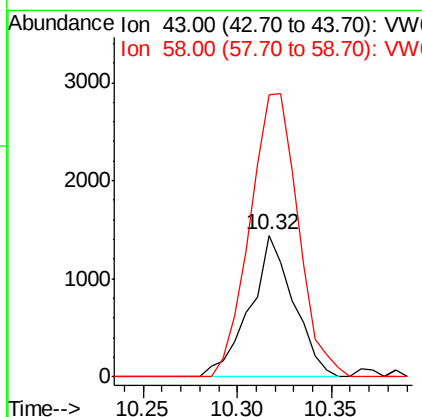
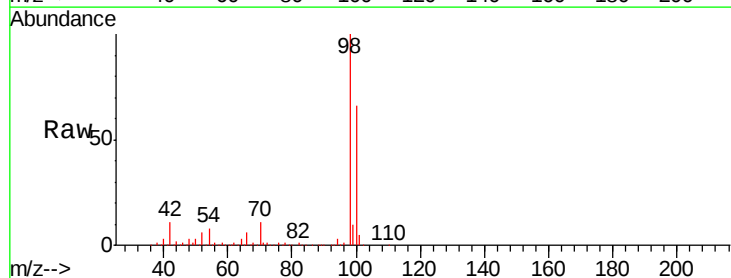
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MSVOA_W
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FK-PS-01-059

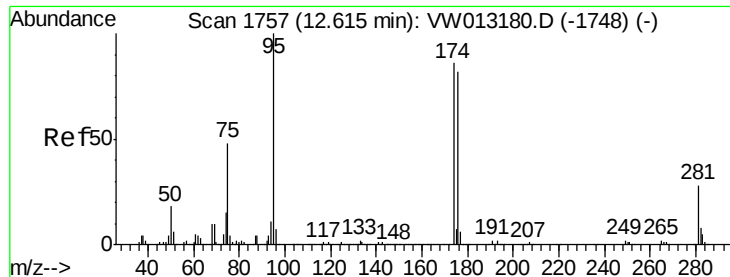
Tgt Ion: 98 Resp: 616689
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.129 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW013258.D
Acq: 24 Sep 2019 05:04

Tgt Ion: 43 Resp: 2316
Ion Ratio Lower Upper
43 100
58 220.9 31.7 47.5#

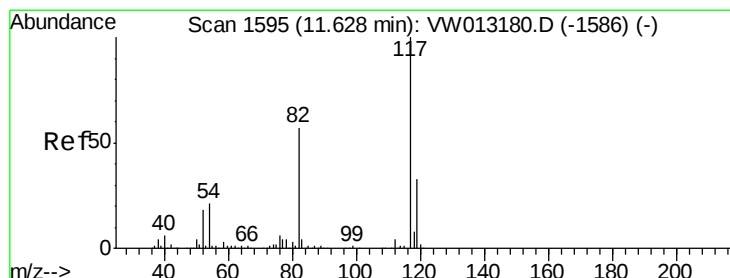
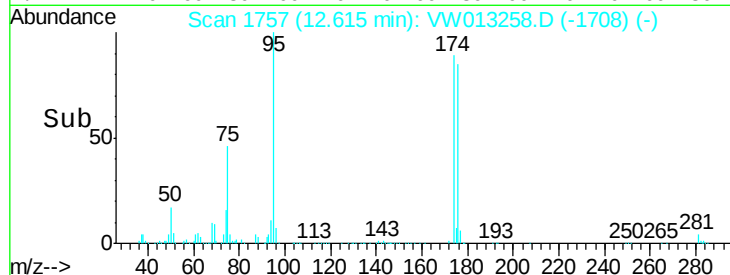
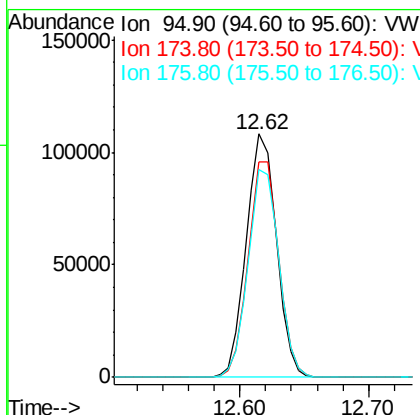
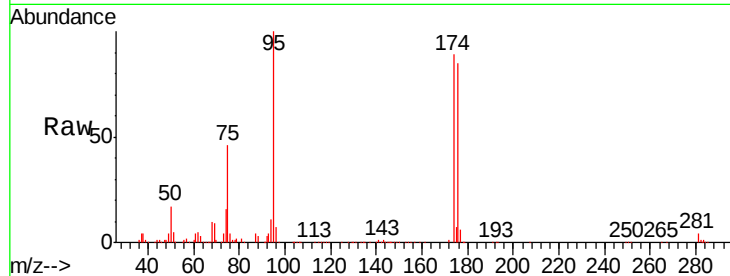




#62
4-Bromofluorobenzene
Concen: 42.879 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013258.D
Acq: 24 Sep 2019 05:04

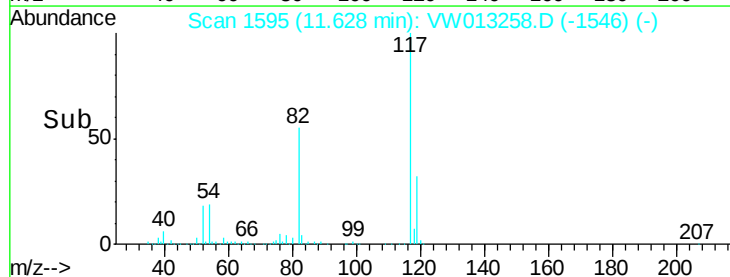
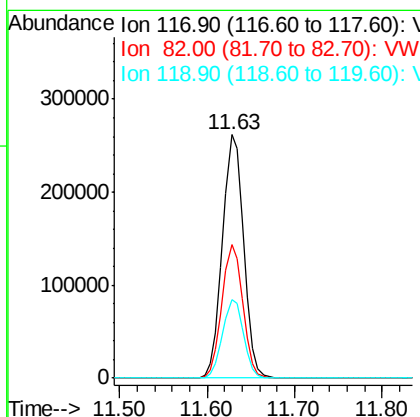
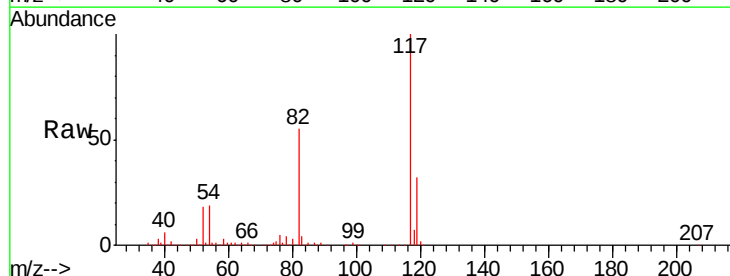
Instrument :
MSVOA_W
ClientSampleId :
FK-PS-01-059

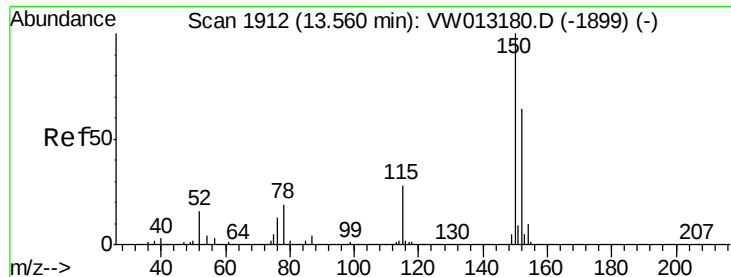
Tgt Ion	Resp	Lower	Upper
95	174798		
174	89.9	0.0	178.4
176	86.9	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013258.D
Acq: 24 Sep 2019 05:04

Tgt Ion	Resp	Lower	Upper
117	440133		
82	54.7	45.9	68.9
119	32.2	26.2	39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-059

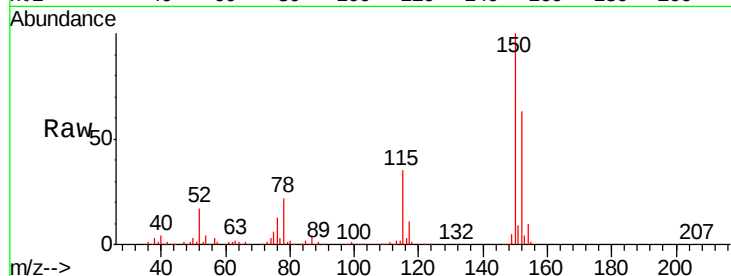
Tgt Ion:152 Resp: 153313

Ion Ratio Lower Upper

152 100

115 55.4 27.3 81.9

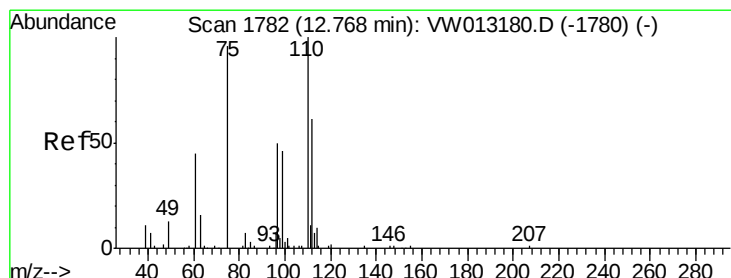
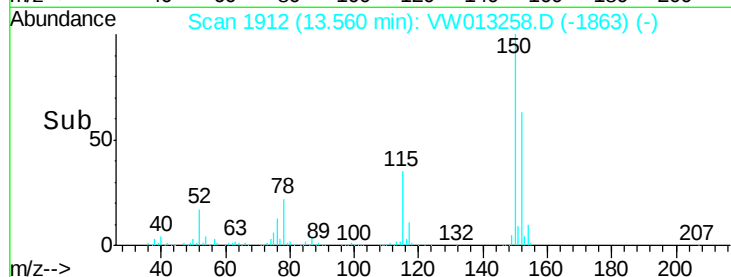
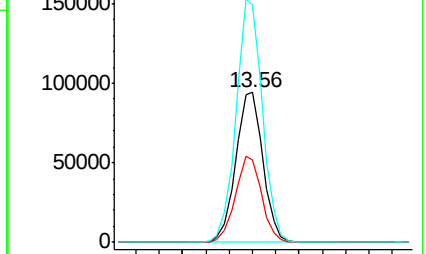
150 156.8 0.0 349.0



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: 59.920 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013258.D

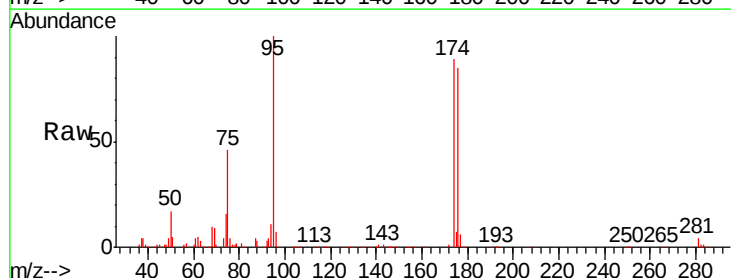
Acq: 24 Sep 2019 05:04

Tgt Ion: 75 Resp: 81129

Ion Ratio Lower Upper

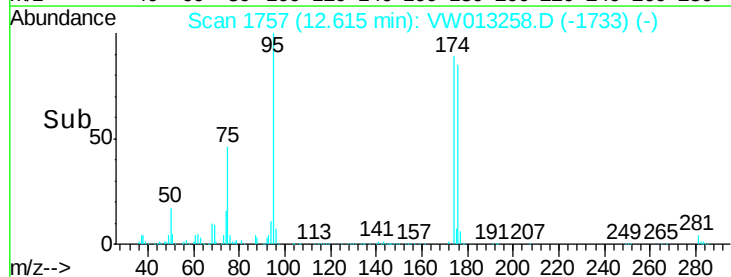
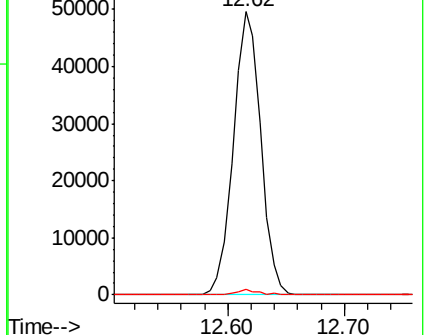
75 100

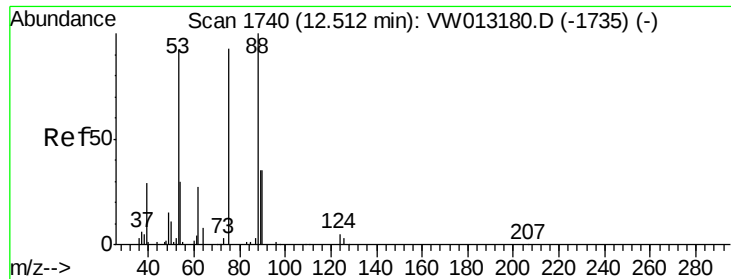
77 1.5 0.0 0.0#



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: 134.455 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013258.D

Acq: 24 Sep 2019 05:04

Instrument :

MSVOA_W

ClientSampleId :

FK-PS-01-059

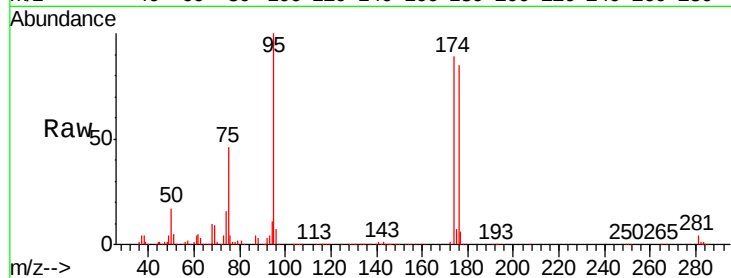
Tgt Ion: 75 Resp: 81129

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.0 33.5 50.3#



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

