

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013502.D
 Acq On : 09 Oct 2019 14:27
 Operator : SY/VA
 Sample : K5281-02
 Misc : 7.91G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-062

Quant Time: Oct 10 02:39:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158508	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	118901	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.22%	
35) Dibromofluoromethane	7.88	113	120094	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
50) Toluene-d8	10.32	98	485720	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.62	95	152940	45.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.46%	

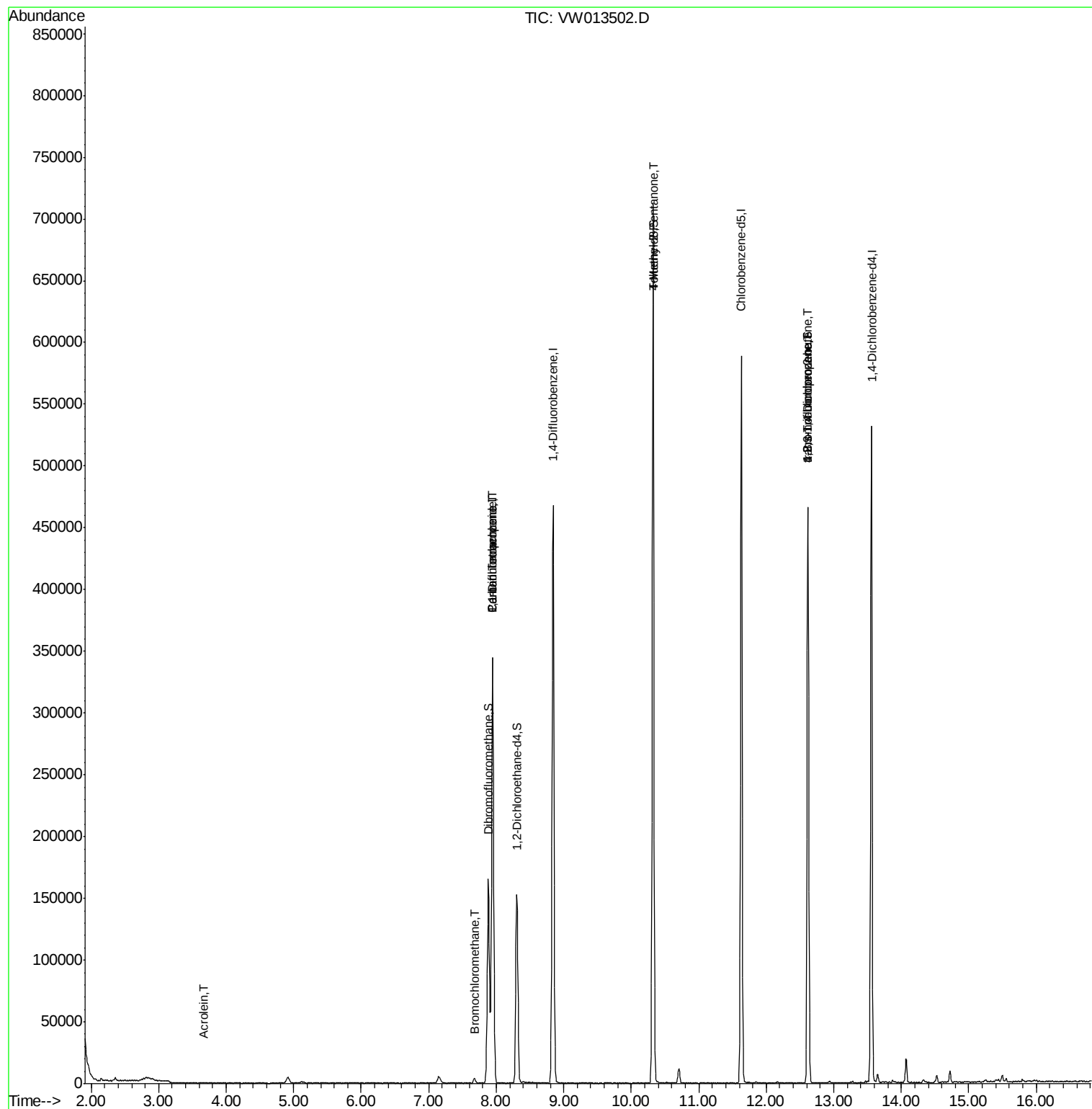
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	65	Below Cal	#	72
13) Acrolein	3.67	56	20	3.829	ug/l #	15
20) Methylene Chloride	4.92	84	3882	Below Cal	#	89
28) Bromochloromethane	7.68	49	323	2.540	ug/l #	98
36) 1,1-Dichloropropene	7.95	75	18069	4.709	ug/l #	47
38) Carbon Tetrachloride	7.95	117	24422	7.179	ug/l #	16
51) 4-Methyl-2-Pentanone	10.32	43	2135	1.291	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70926	53.726	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70926	109.824	ug/l #	14

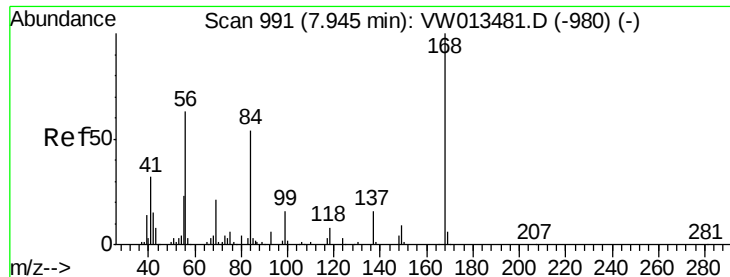
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013502.D

Acq: 09 Oct 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

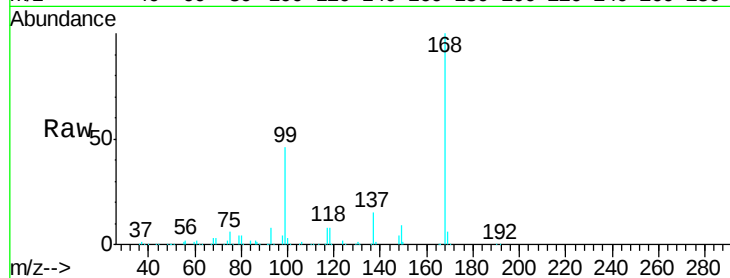
FK-PS-01-062

Tgt Ion: 168 Resp: 289787

Ion Ratio Lower Upper

168 100

99 46.5 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

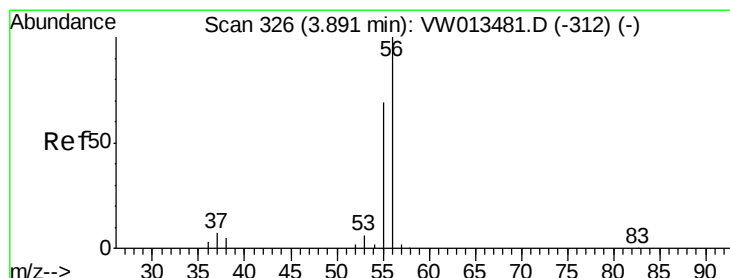
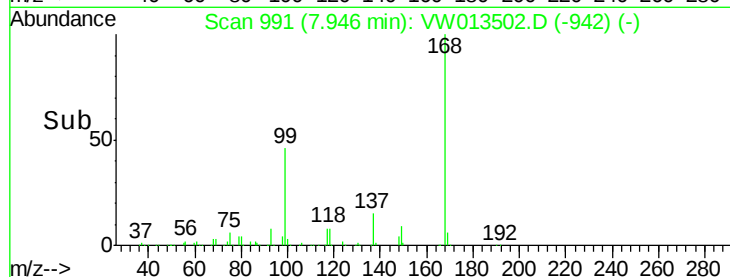
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#13

Acrolein

Concen: 3.829 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.22 min

Lab File: VW013502.D

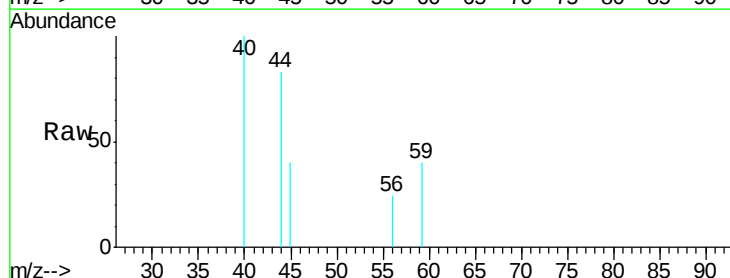
Acq: 09 Oct 2019 14:27

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.67

60

50

40

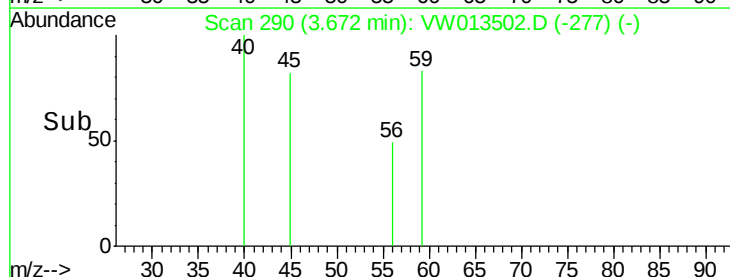
30

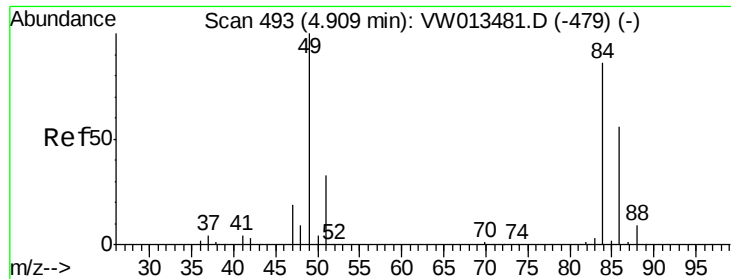
20

10

0

Time--> 3.65 3.66 3.67 3.68 3.69

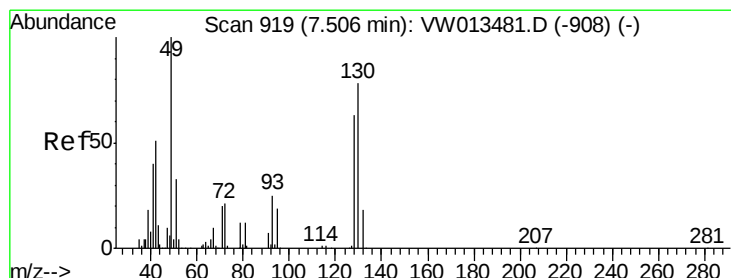
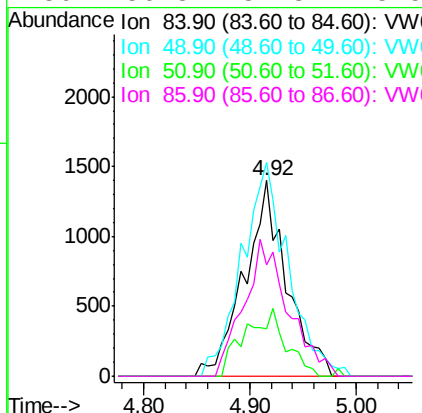
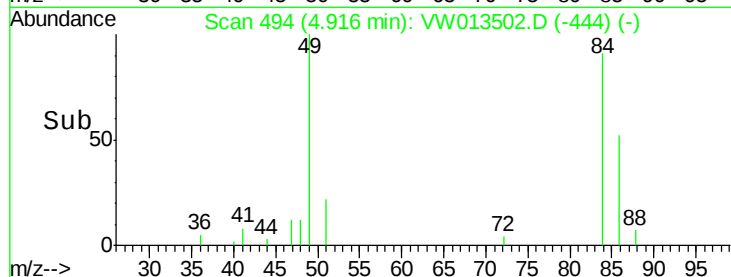
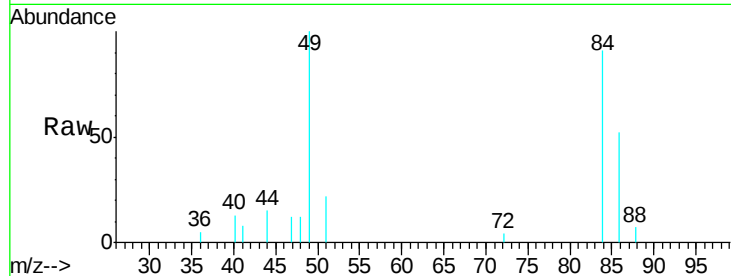




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

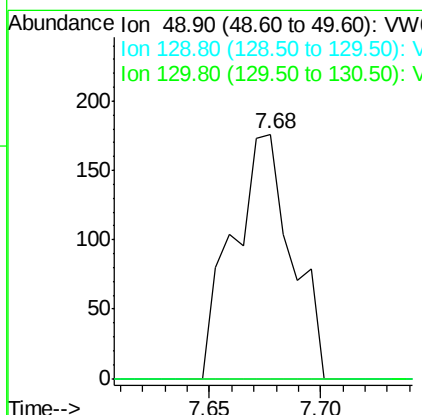
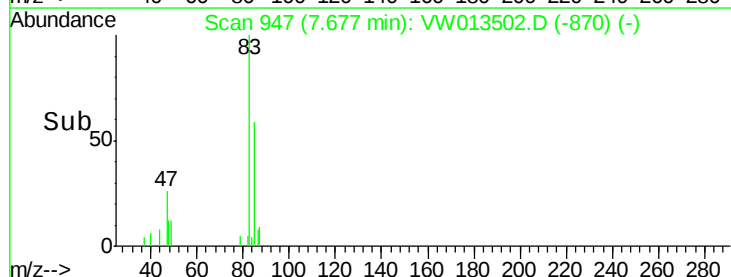
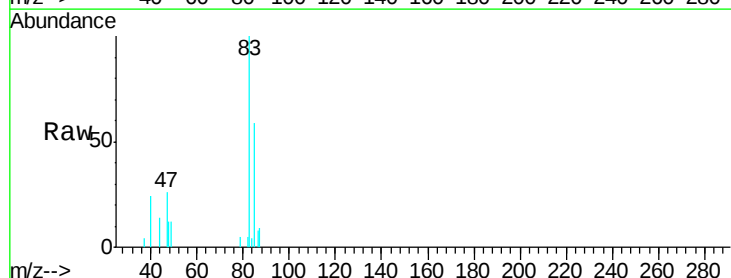
Instrument :
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FK-PS-01-062

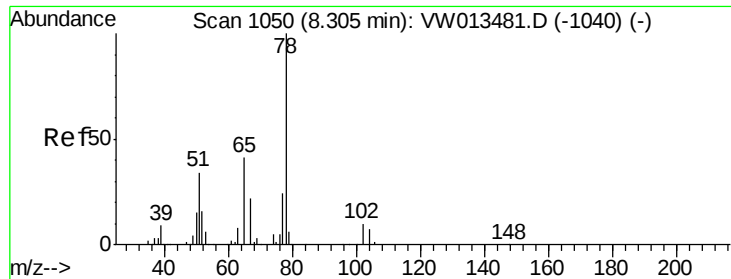
Tgt Ion:	84	Resp:	3882
Ion	Ratio	Lower	Upper
84	100		
49	109.3	93.4	140.0
51	24.5	30.6	46.0#
86	56.8	52.3	78.5



#28
Bromochloromethane
Concen: 2.540 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.17 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

Tgt Ion:	49	Resp:	323
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	0.0	0.0	0.0





#33

1,2-Dichloroethane-d4

Concen: 53.107 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

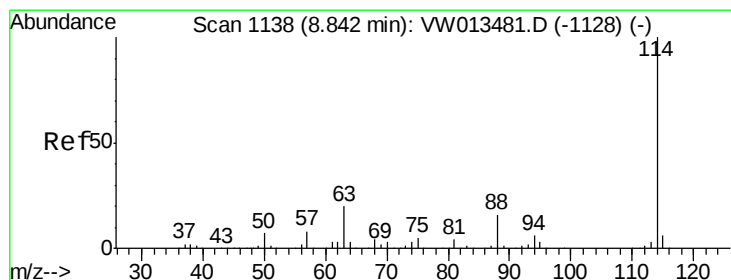
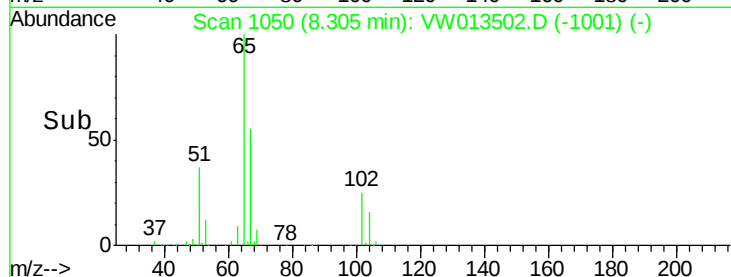
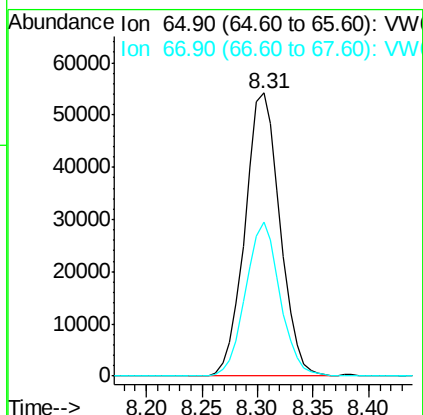
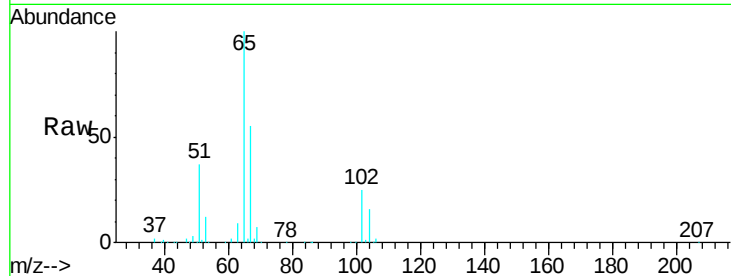
FK-PS-01-062

Tgt Ion: 65 Resp: 118901

Ion Ratio Lower Upper

65 100

67 53.5 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

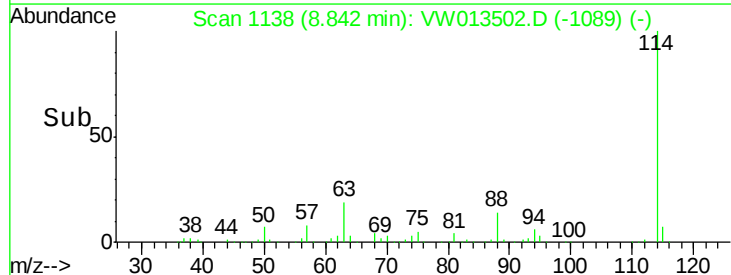
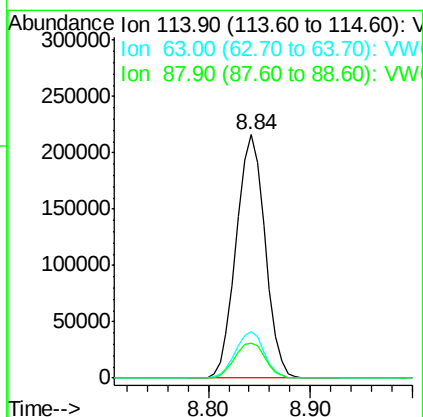
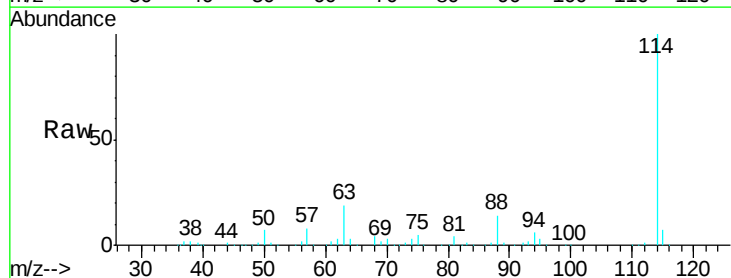
Tgt Ion: 114 Resp: 424181

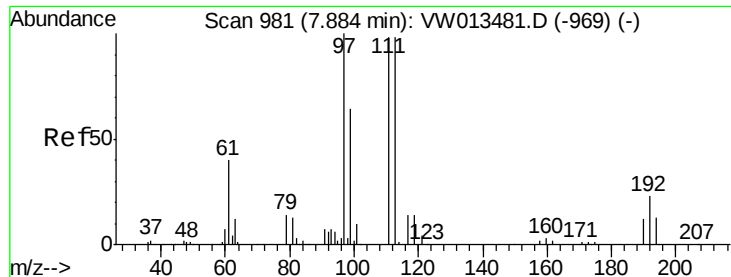
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.4

88 14.5 0.0 31.4

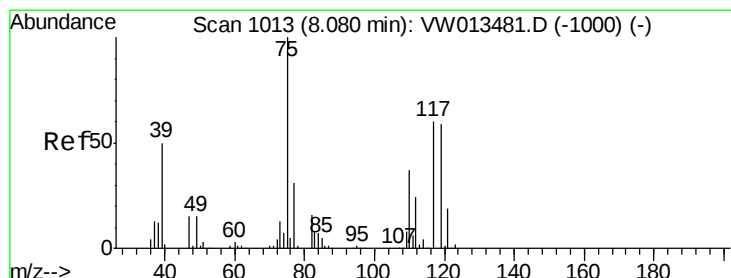
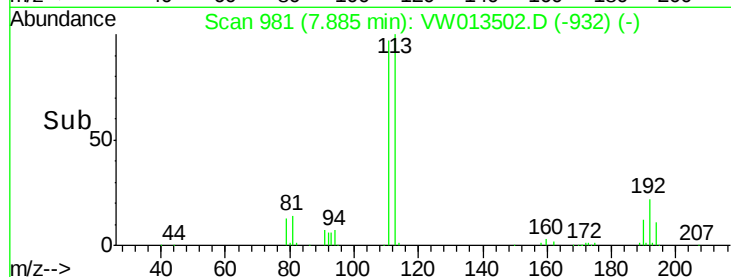
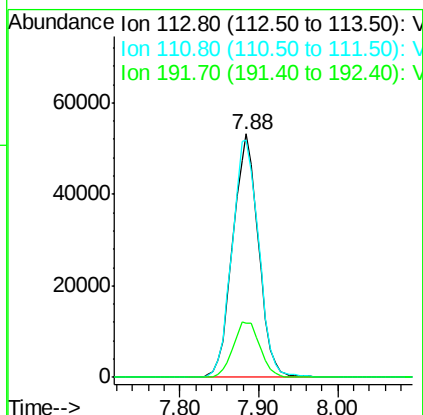
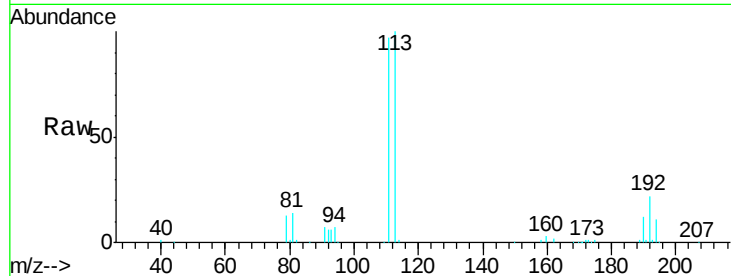




#35
 Dibromofluoromethane
 Concen: 50.691 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013502.D
 Acq: 09 Oct 2019 14:27

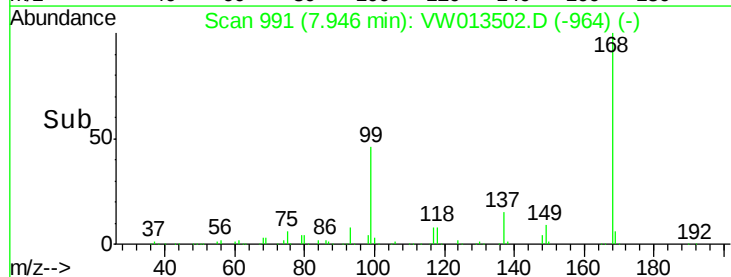
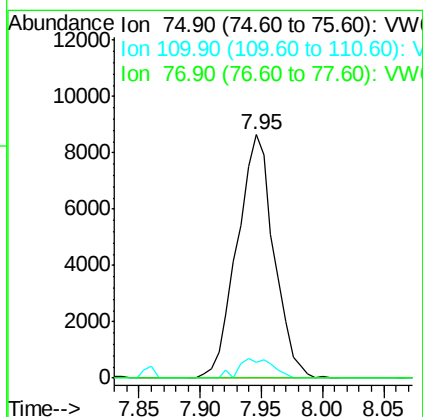
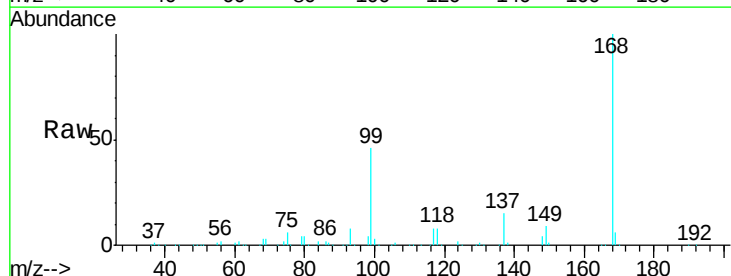
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-PS-01-062

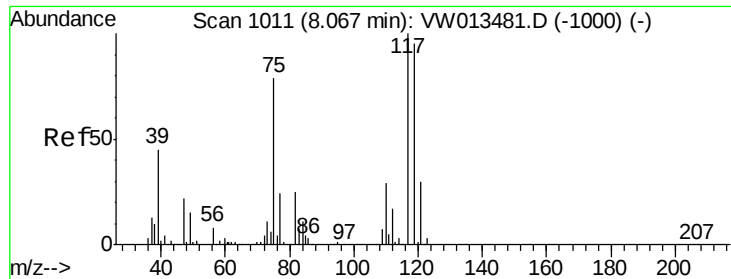
Tgt Ion: 113 Resp: 120094
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.3 123.5
 192 23.9 19.3 28.9



#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013502.D
 Acq: 09 Oct 2019 14:27

Tgt Ion: 75 Resp: 18069
 Ion Ratio Lower Upper
 75 100
 110 7.4 18.4 55.2#
 77 0.0 25.0 37.4#

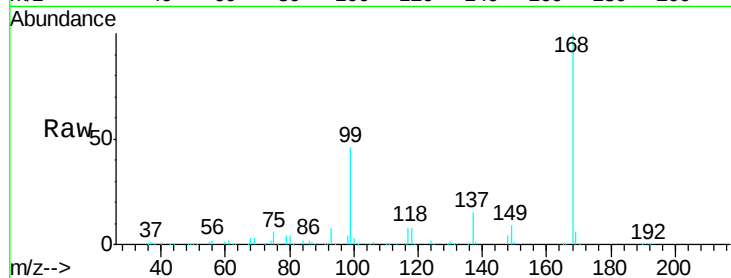




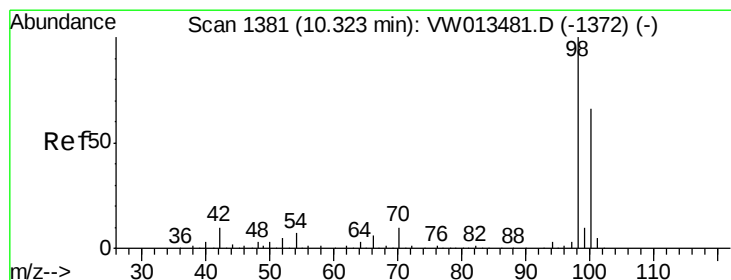
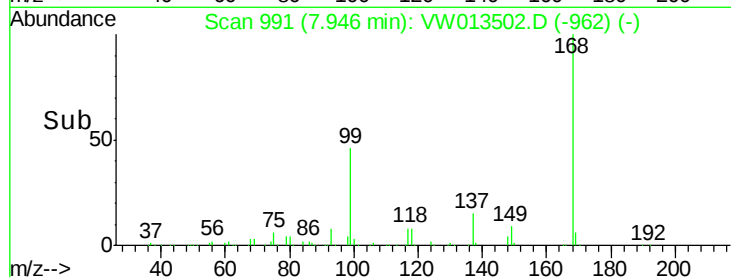
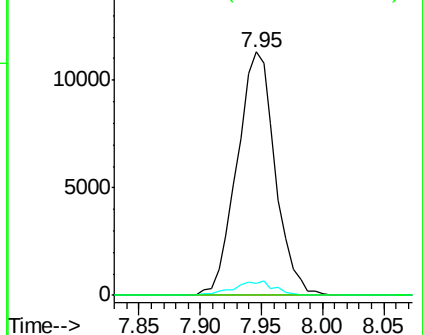
#38
Carbon Tetrachloride
Concen: 7.179 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

Instrument :
MSVOA_W
ClientSampled :
FK-PS-01-062

Tgt Ion:117 Resp: 24422
Ion Ratio Lower Upper
117 100
119 4.8 76.3 114.5#
121 0.0 23.6 35.4#

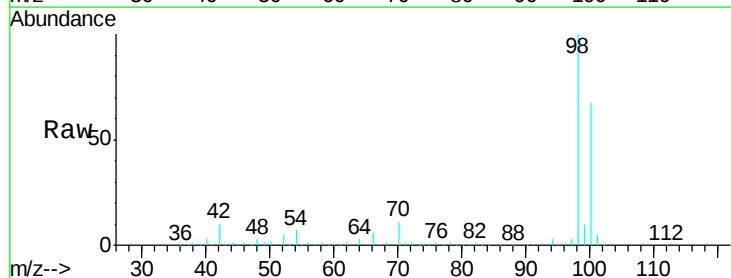


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

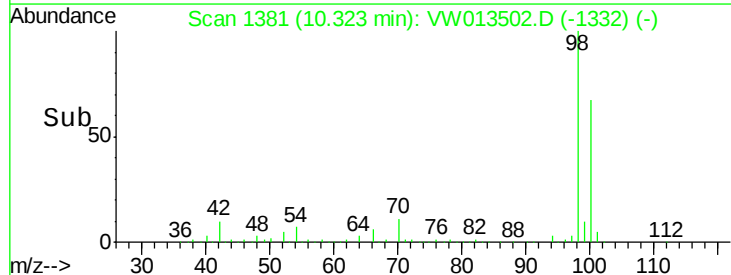
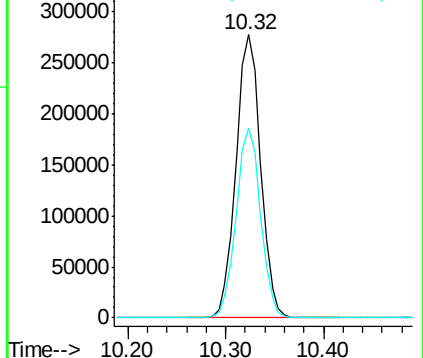


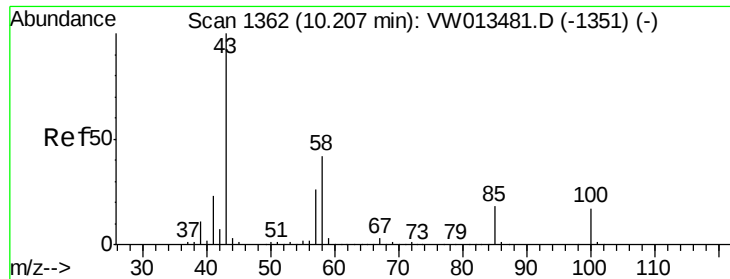
#50
Toluene-d8
Concen: 48.786 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

Tgt Ion: 98 Resp: 485720
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.291 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

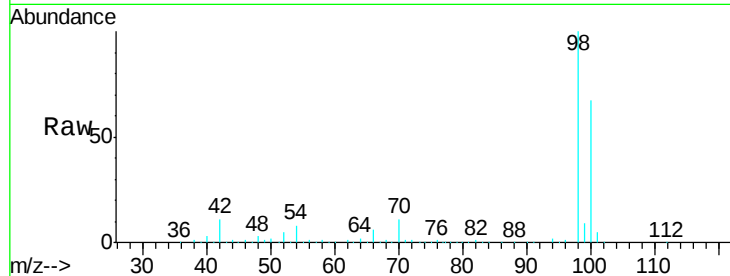
FK-PS-01-062

Tgt Ion: 43 Resp: 2135

Ion Ratio Lower Upper

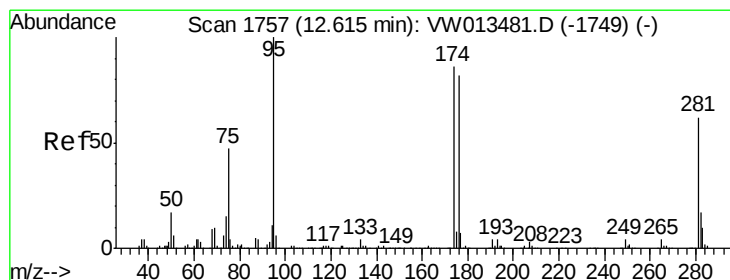
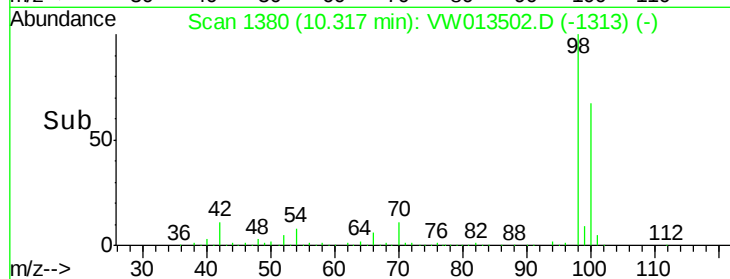
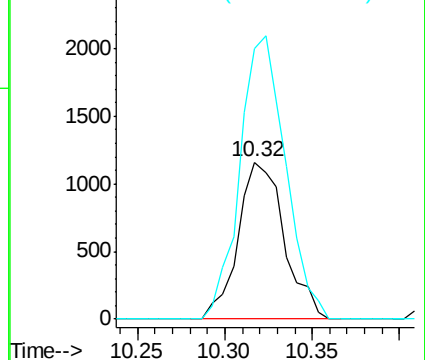
43 100

58 178.1 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 45.727 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

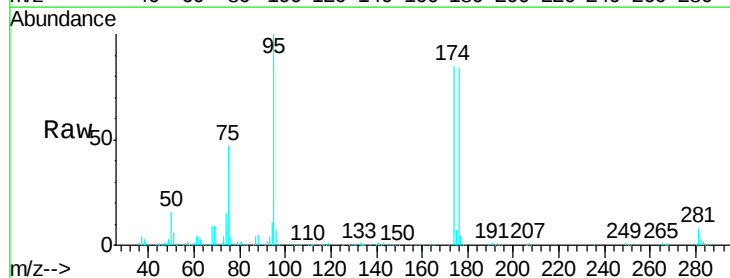
Tgt Ion: 95 Resp: 152940

Ion Ratio Lower Upper

95 100

174 90.4 0.0 177.4

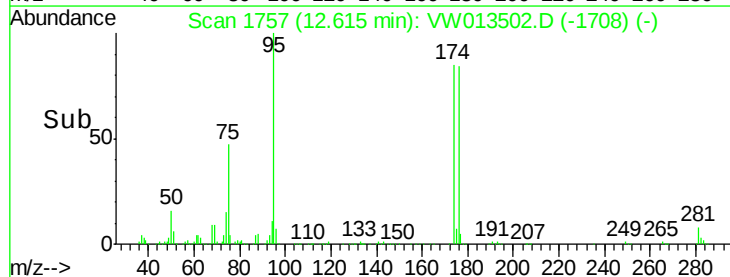
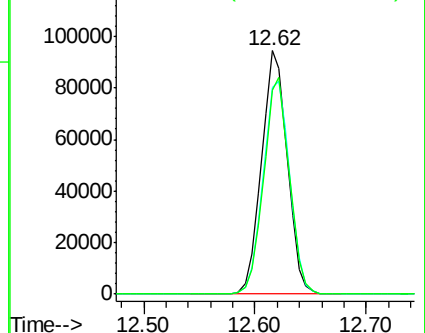
176 88.8 0.0 173.4

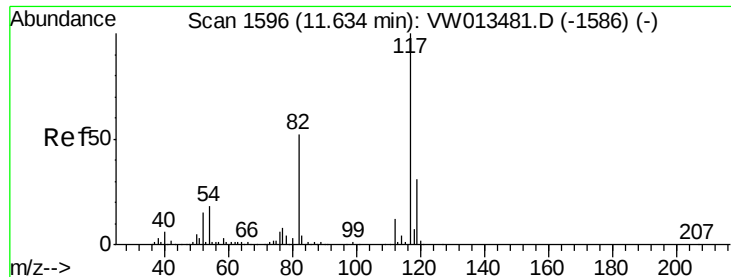


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

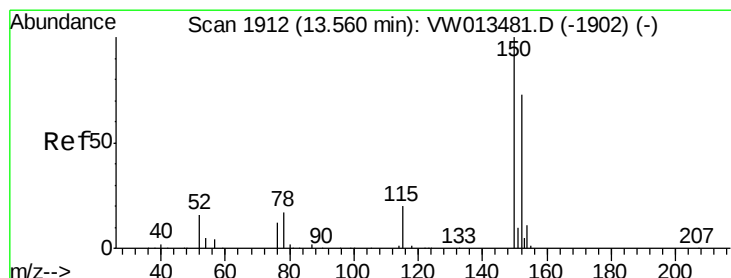
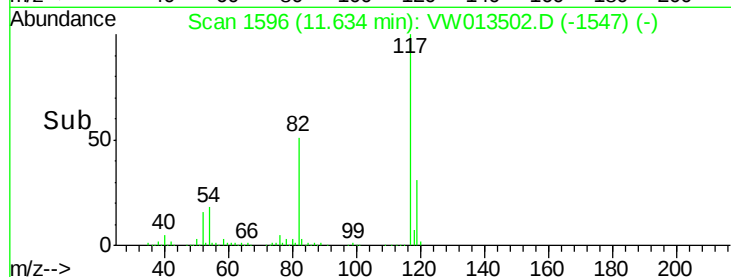
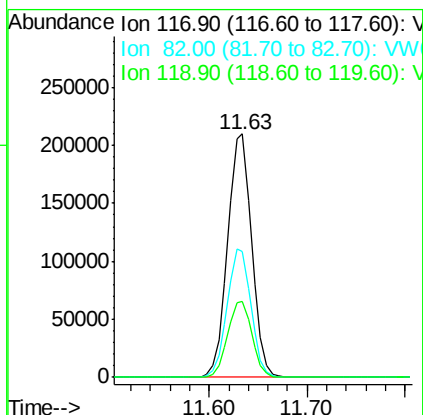
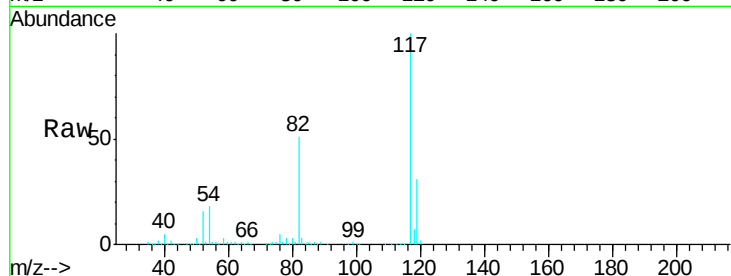




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

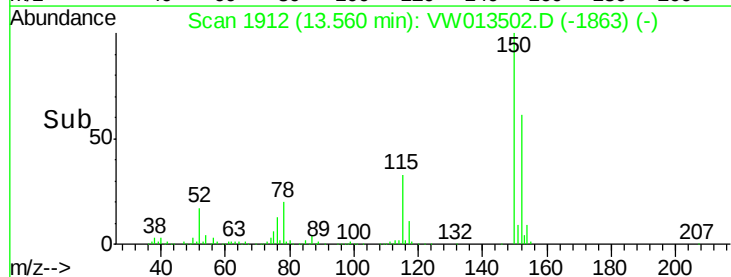
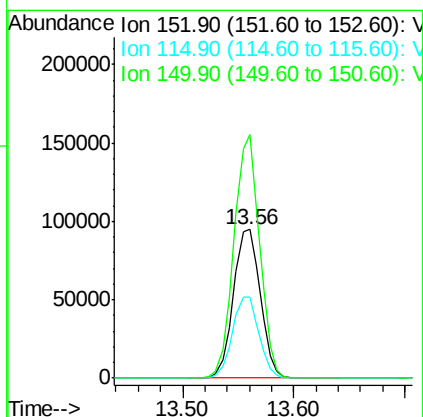
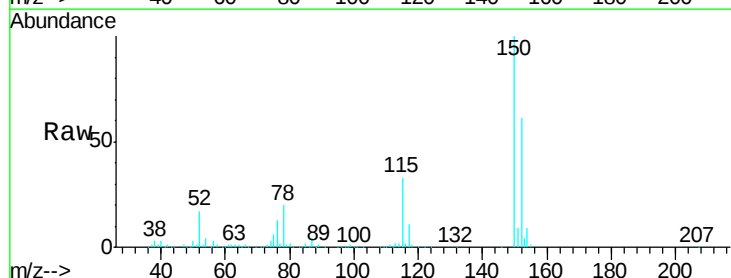
Instrument :
MSVOA_W
ClientSampled :
FK-PS-01-062

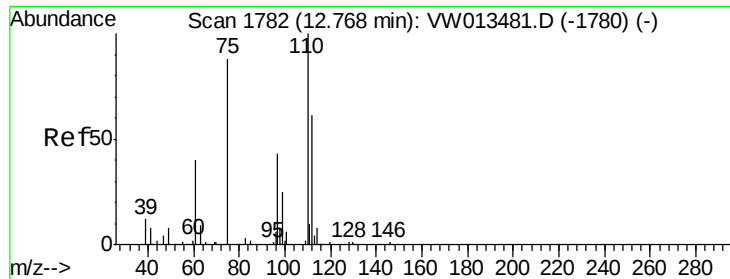
Tgt Ion:117 Resp: 357527
Ion Ratio Lower Upper
117 100
82 51.4 41.4 62.2
119 31.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013502.D
Acq: 09 Oct 2019 14:27

Tgt Ion:152 Resp: 158508
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 155.9 0.0 337.4





#76

1,2,3-Trichloropropane

Concen: 53.726 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

Instrument :

MSVOA_W

ClientSampleId :

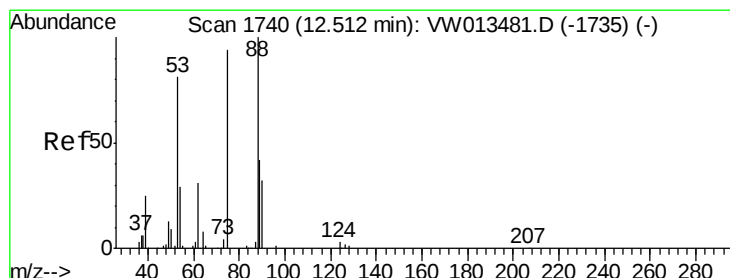
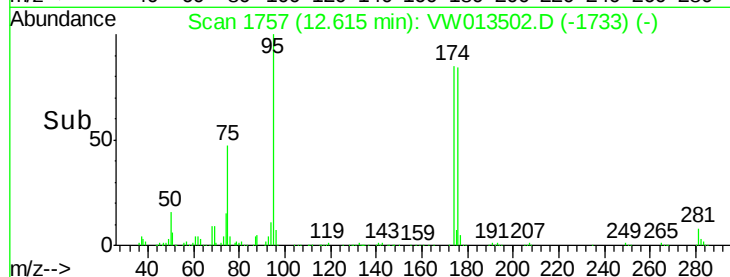
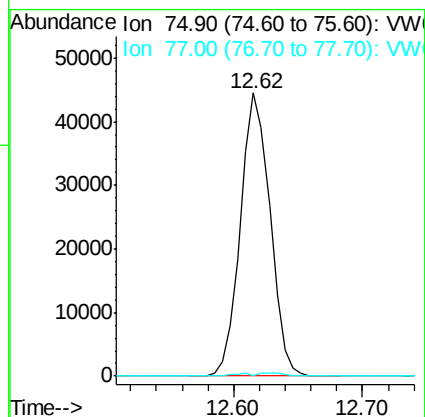
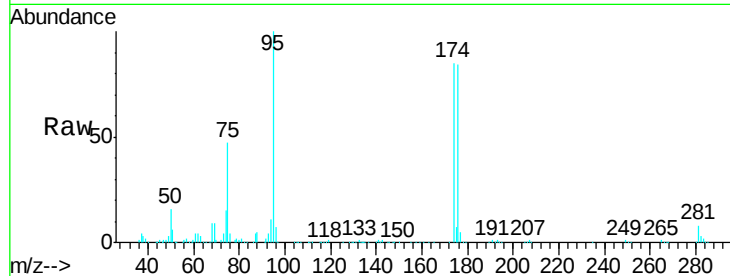
FK-PS-01-062

Tgt Ion: 75 Resp: 70926

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.824 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013502.D

Acq: 09 Oct 2019 14:27

Tgt Ion: 75 Resp: 70926

Ion Ratio Lower Upper

75 100

53 0.0 71.0 106.6#

89 0.1 36.1 54.1#

