

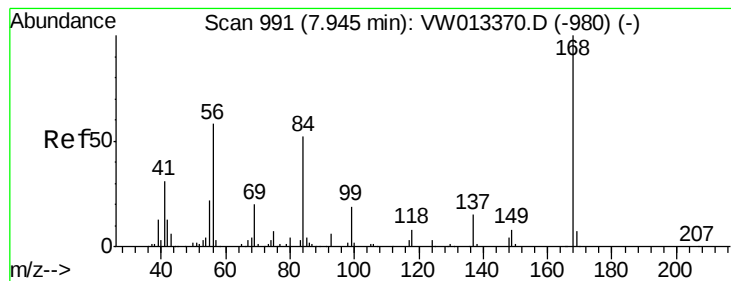
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013410.D
 Acq On : 03 Oct 2019 07:12
 Operator : SY/VA
 Sample : K5137-04
 Misc : 4.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-047-B

Quant Time: Oct 04 08:06:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	372349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	547746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	461430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175467	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	151127	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	
35) Dibromofluoromethane	7.88	113	150460	52.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.70%	
50) Toluene-d8	10.32	98	643064	53.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.62	95	187155	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.12	59	4686	Below Cal	#	73
16) Acetone	4.15	43	857	1.006	ug/l #	45
20) Methylene Chloride	4.91	84	5326	Below Cal		84
26) 2,2-Dichloropropane	7.15	77	414	Below Cal	#	52
36) 1,1-Dichloropropene	7.95	75	23635	4.646	ug/l #	49
38) Carbon Tetrachloride	7.95	117	31053	7.046	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2632	1.185	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	87637	56.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87637	113.662	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013410.D

Acq: 03 Oct 2019 07:12

Instrument :

MSVOA_W

ClientSampleId :

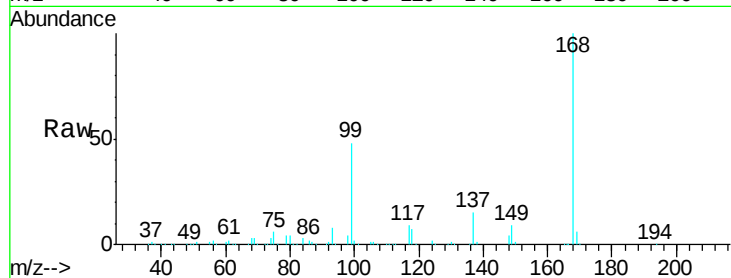
FK-GF-02-047-B

Tgt Ion: 168 Resp: 372349

Ion Ratio Lower Upper

168 100

99 48.1 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

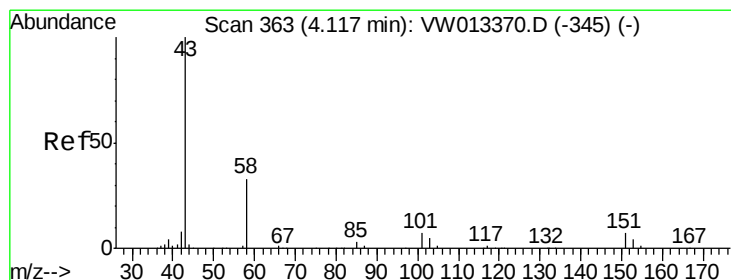
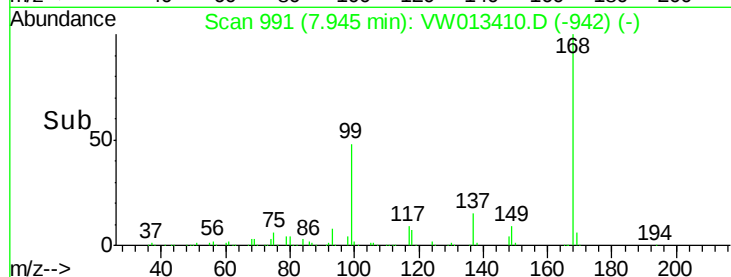
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.006 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW013410.D

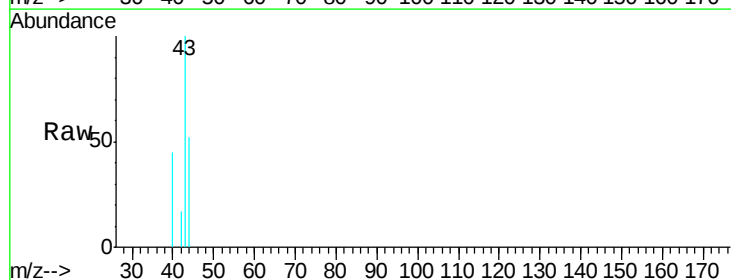
Acq: 03 Oct 2019 07:12

Tgt Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

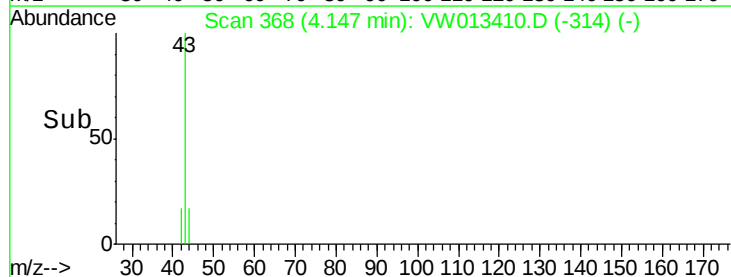
300

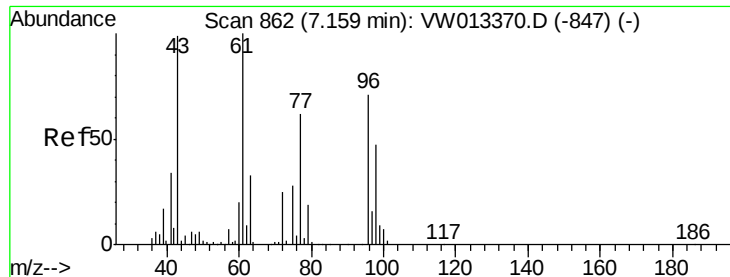
200

100

0

Time-->





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013410.D

Acq: 03 Oct 2019 07:12

Instrument :

MSVOA_W

ClientSampleId :

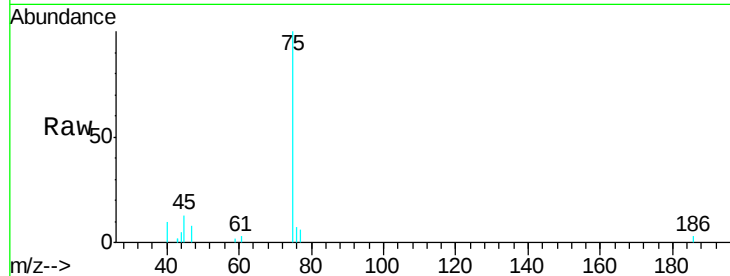
FK-GF-02-047-B

Tgt Ion: 77 Resp: 414

Ion Ratio Lower Upper

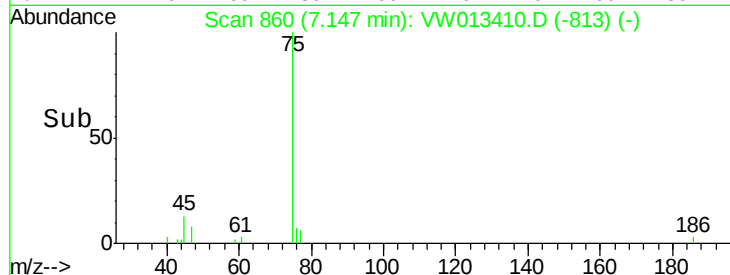
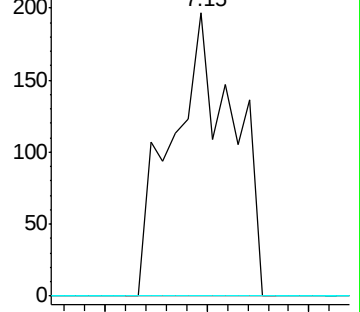
77 100

97 0.0 11.8 35.4#

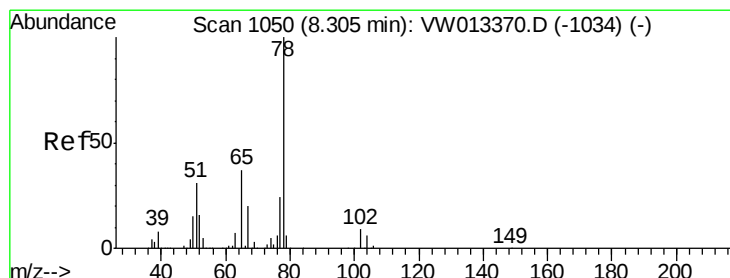


Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.358 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013410.D

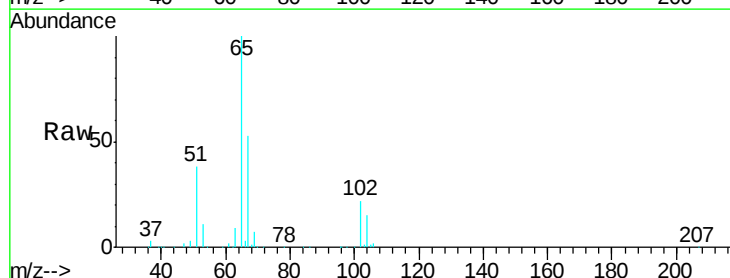
Acq: 03 Oct 2019 07:12

Tgt Ion: 65 Resp: 151127

Ion Ratio Lower Upper

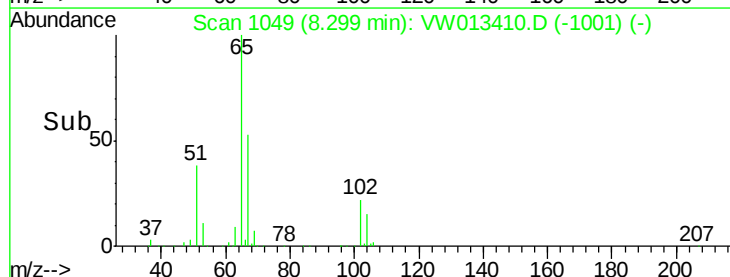
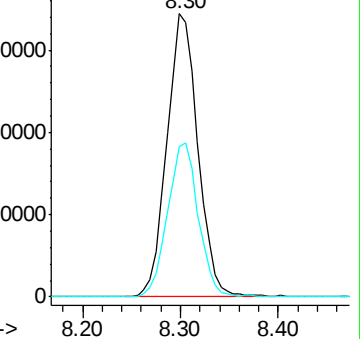
65 100

67 53.9 0.0 106.2

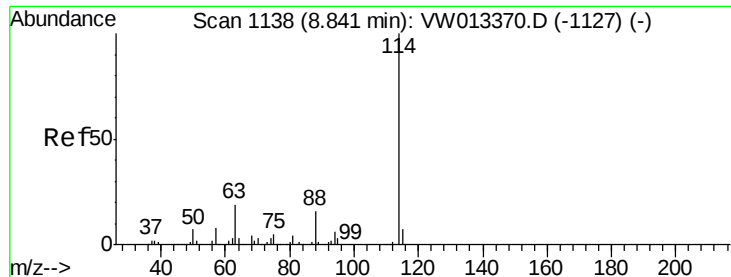


Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



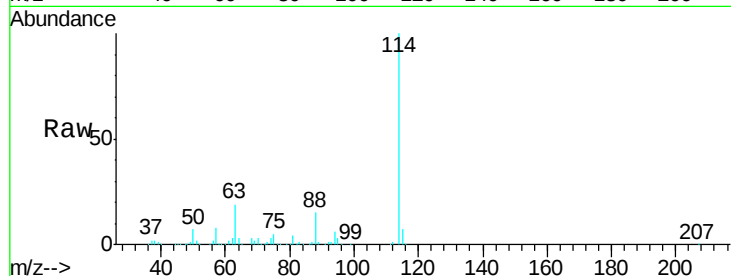
Time-->



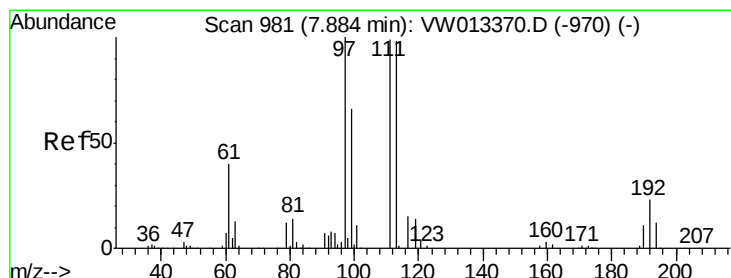
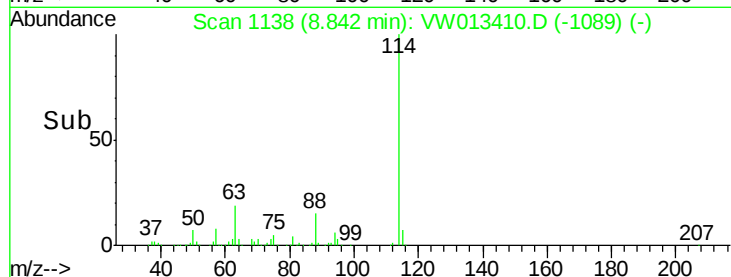
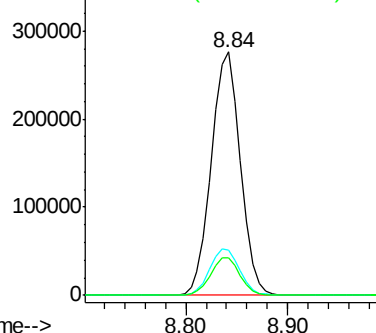
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013410.D
 Acq: 03 Oct 2019 07:12

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-047-B

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	41.4
88	15.4	0.0	32.0

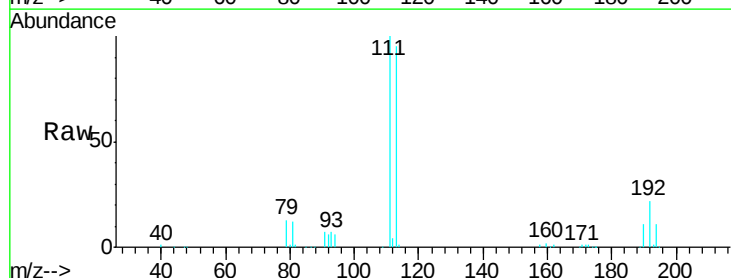


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

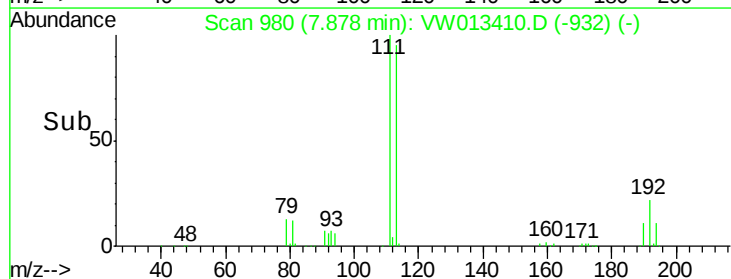
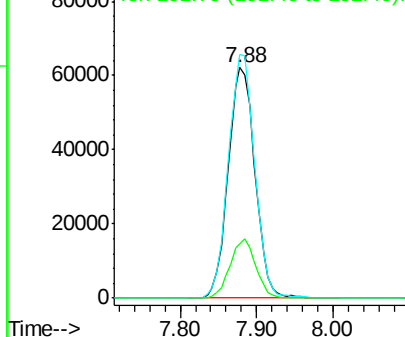


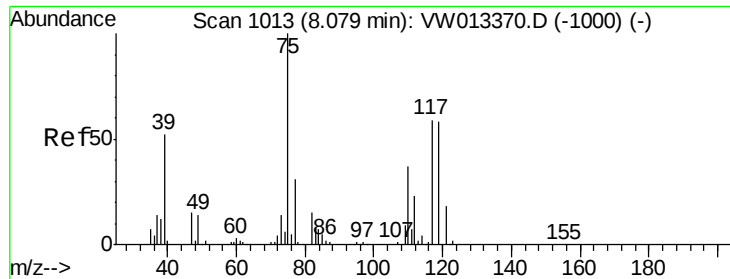
#35
 Dibromofluoromethane
 Concen: 52.349 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW013410.D
 Acq: 03 Oct 2019 07:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.9	122.9
192	24.6	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

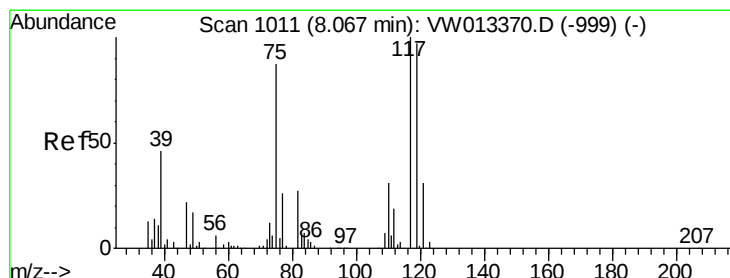
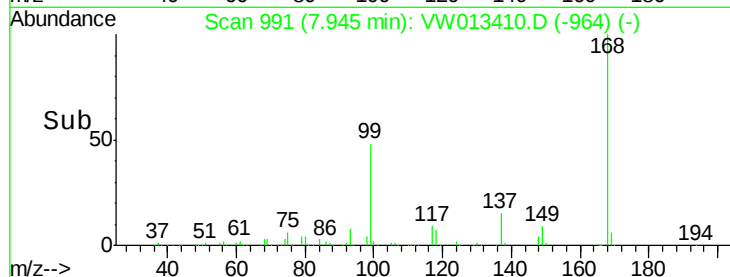
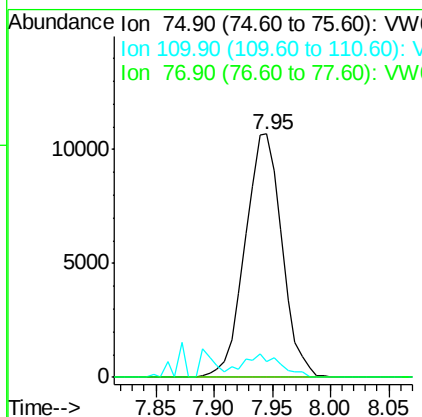
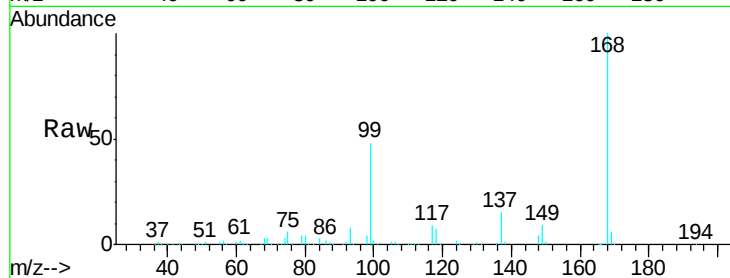




#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013410.D
 Acq: 03 Oct 2019 07:12

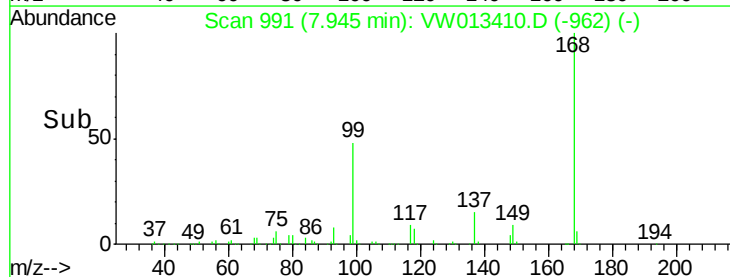
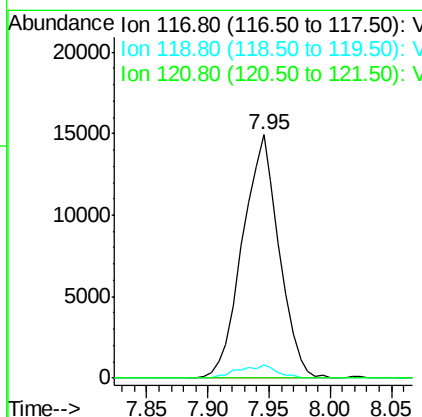
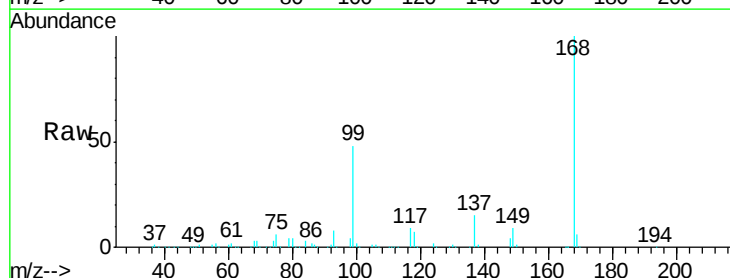
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-047-B

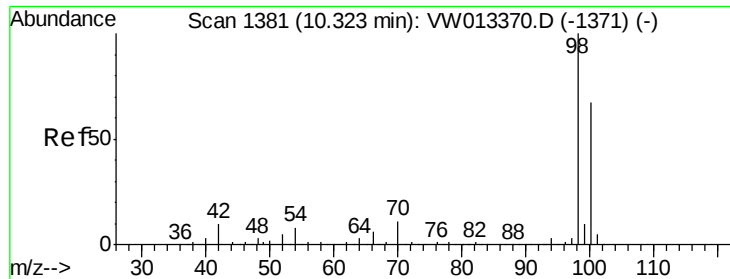
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.3#
77	0.0	25.8	38.6#



#38
 Carbon Tetrachloride
 Concen: 7.046 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013410.D
 Acq: 03 Oct 2019 07:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	73.5	110.3#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 53.916 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013410.D

Acq: 03 Oct 2019 07:12

Instrument :

MSVOA_W

ClientSampleId :

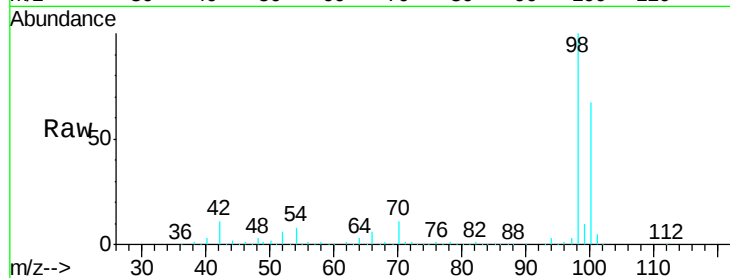
FK-GF-02-047-B

Tgt Ion: 98 Resp: 643064

Ion Ratio Lower Upper

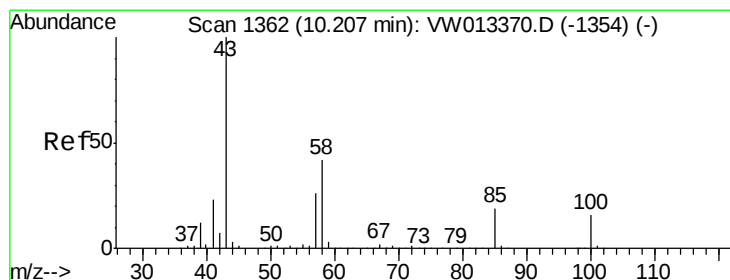
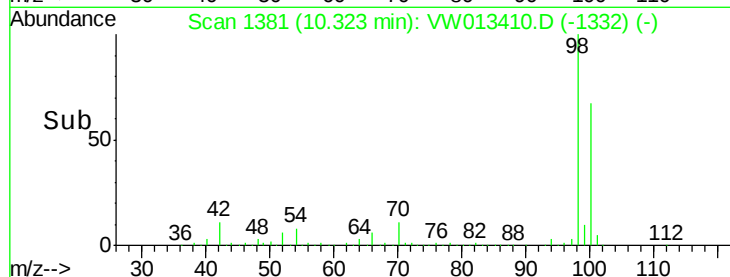
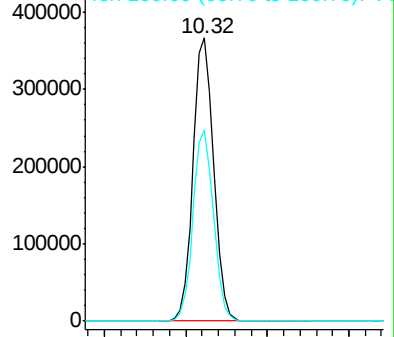
98 100

100 66.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.185 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW013410.D

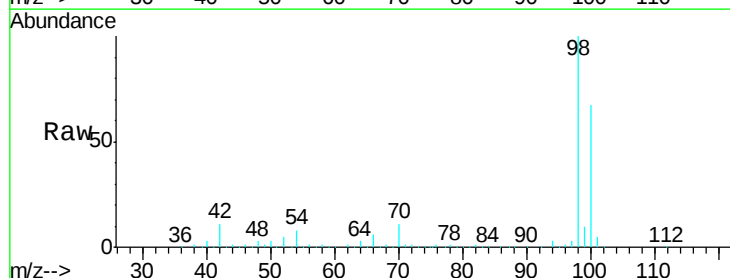
Acq: 03 Oct 2019 07:12

Tgt Ion: 43 Resp: 2632

Ion Ratio Lower Upper

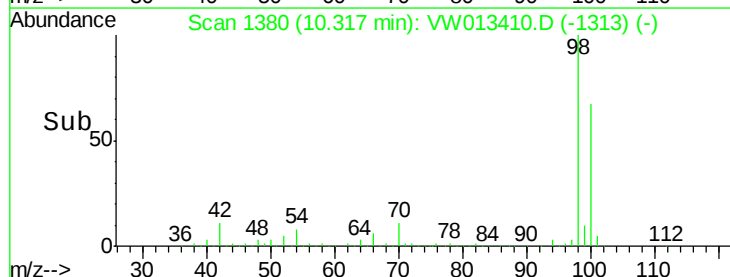
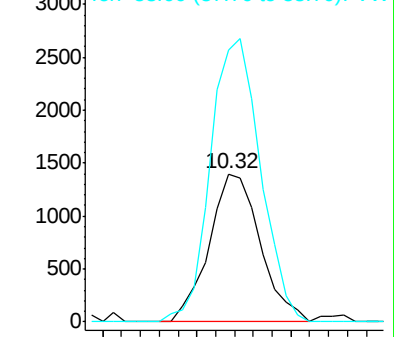
43 100

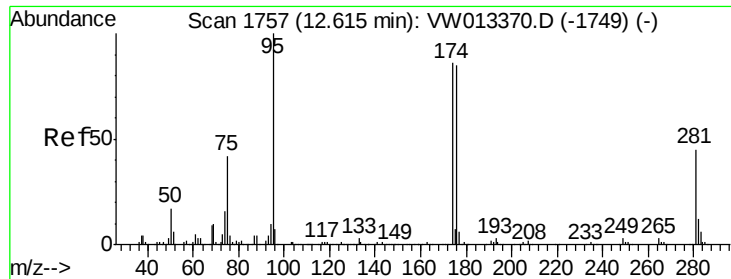
58 186.7 31.7 47.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

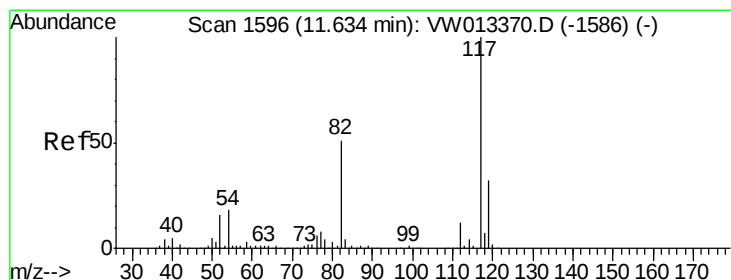
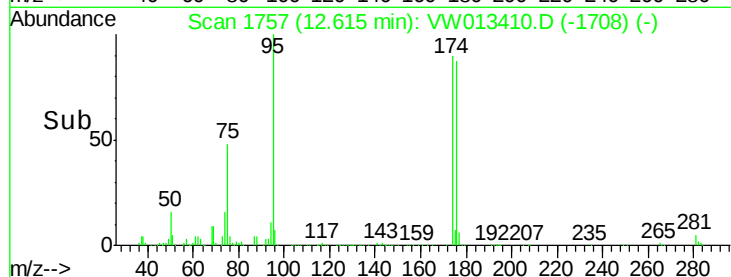
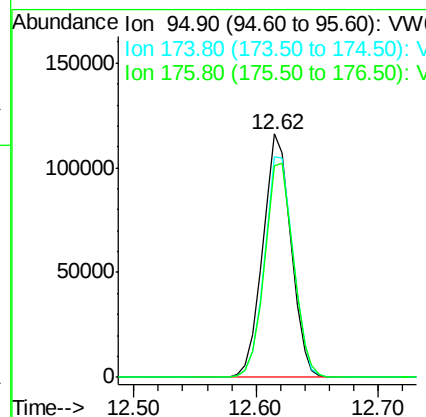
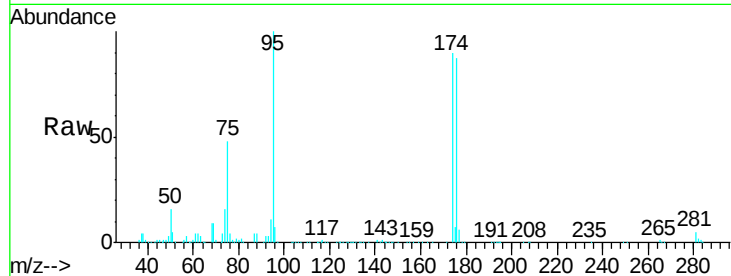




#62
4-Bromofluorobenzene
Concen: 46.989 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW013410.D
Acq: 03 Oct 2019 07:12

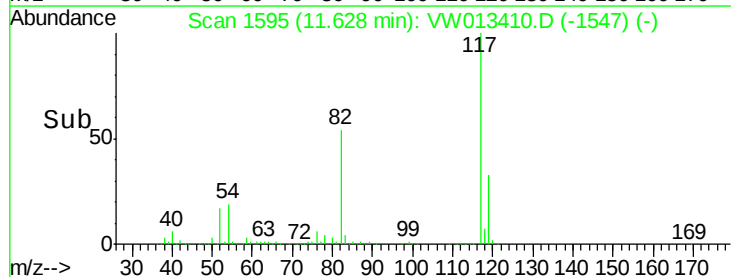
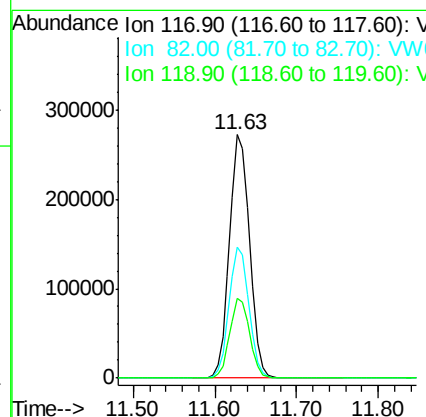
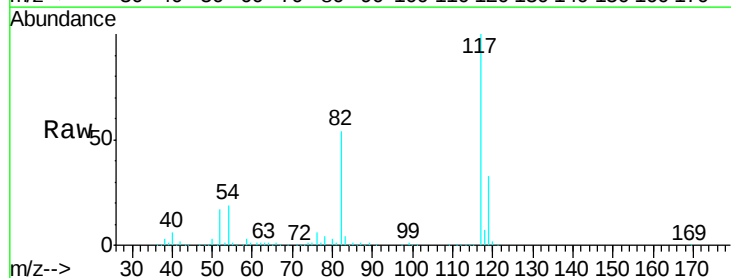
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-047-B

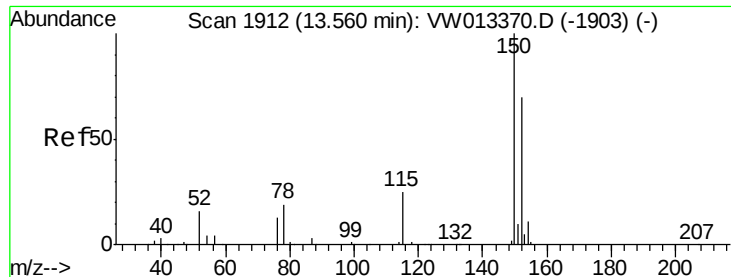
Tgt Ion: 95 Resp: 187155
Ion Ratio Lower Upper
95 100
174 92.3 0.0 178.4
176 89.9 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013410.D
Acq: 03 Oct 2019 07:12

Tgt Ion: 117 Resp: 461430
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.6 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: VW013410.D

Acq: 03 Oct 2019 07:12

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-047-B

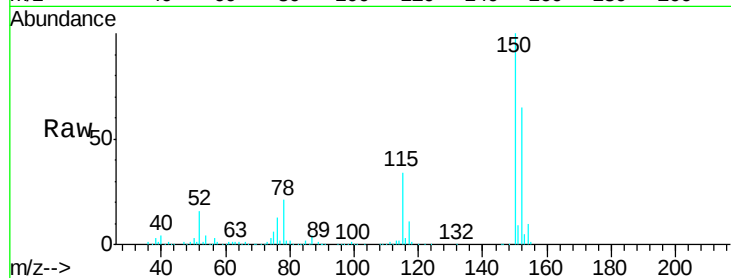
Tgt Ion:152 Resp: 175467

Ion Ratio Lower Upper

152 100

115 54.6 27.3 81.9

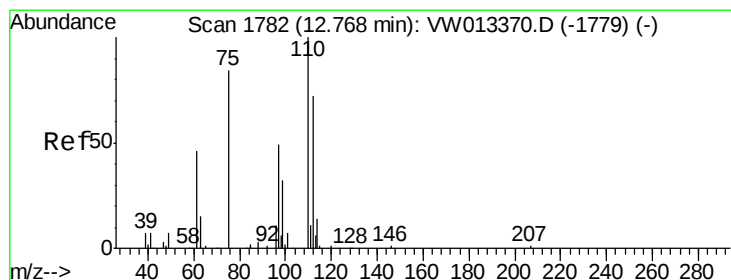
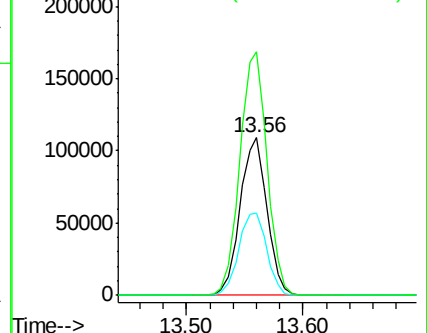
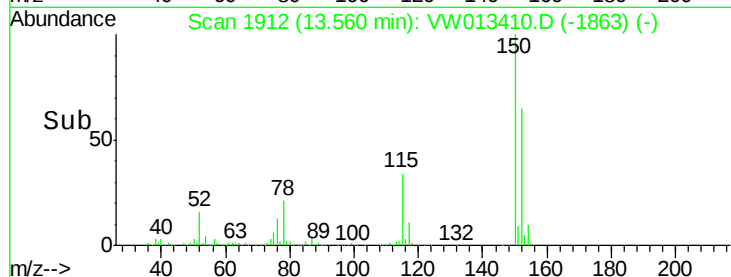
150 156.6 0.0 349.0



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: 56.196 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013410.D

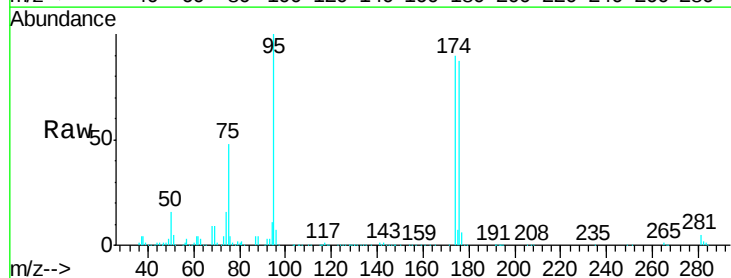
Acq: 03 Oct 2019 07:12

Tgt Ion: 75 Resp: 87637

Ion Ratio Lower Upper

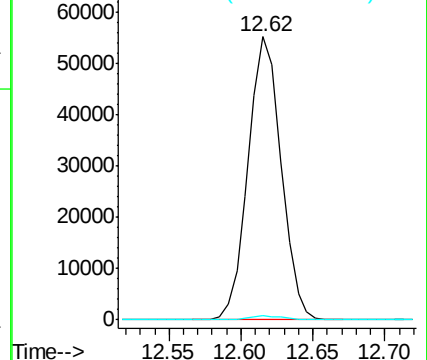
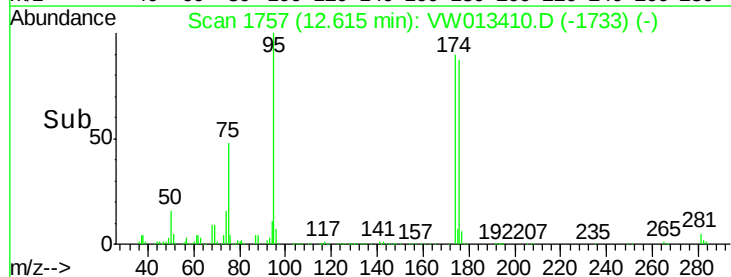
75 100

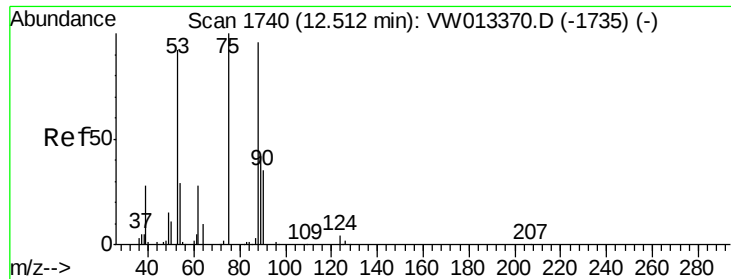
77 1.5 0.0 0.0#



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: 113.662 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013410.D

Acq: 03 Oct 2019 07:12

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-047-B

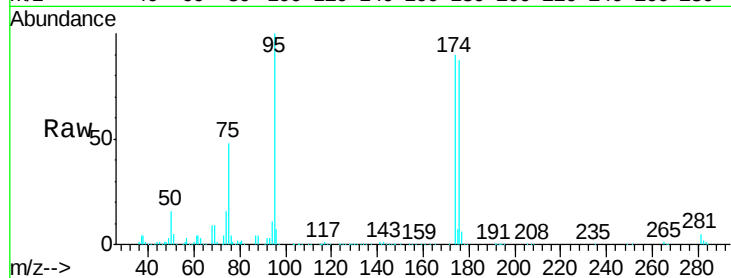
Tgt Ion: 75 Resp: 87637

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

89 0.1 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

