

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
 Data File : VW013409.D
 Acq On : 03 Oct 2019 06:46
 Operator : SY/VA
 Sample : K5137-02
 Misc : 3.99G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

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

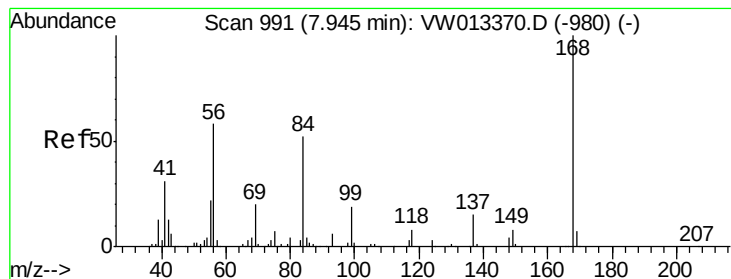
Quant Time: Oct 04 08:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	359737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	537138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	168092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148004	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
35) Dibromofluoromethane	7.88	113	150080	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	608437	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
62) 4-Bromofluorobenzene	12.62	95	178165	45.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4615	Below Cal	#	73
13) Acrolein	4.01	56	46	10.740	ug/l #	15
20) Methylene Chloride	4.91	84	5949	Below Cal	#	82
26) 2,2-Dichloropropane	7.17	77	238	Below Cal	#	52
29) Tetrahydrofuran	7.40	42	22	9.728	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	23184	4.647	ug/l #	49
38) Carbon Tetrachloride	7.94	117	31941	7.391	ug/l #	18
51) 4-Methyl-2-Pentanone	10.32	43	2389	1.097	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	82946	55.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82946	112.348	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: VW013409.D

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ClientSampleId :

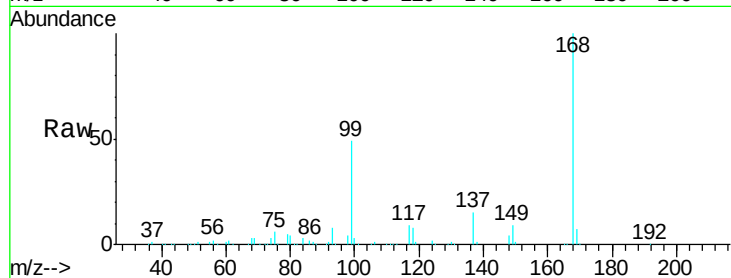
FK-GF-02-047-A

Tgt Ion: 168 Resp: 359737

Ion Ratio Lower Upper

168 100

99 49.3 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

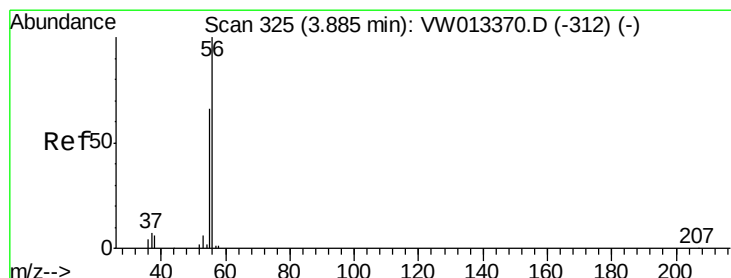
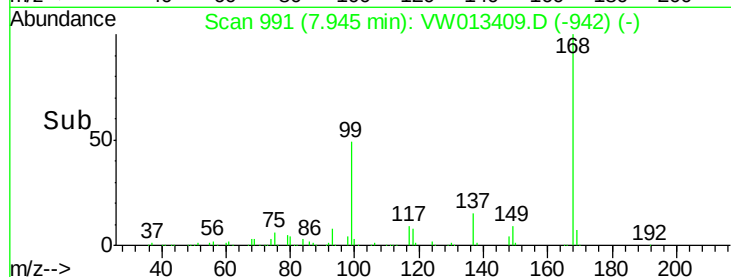
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 10.740 ug/l

RT: 4.01 min Scan# 345

Delta R.T. 0.12 min

Lab File: VW013409.D

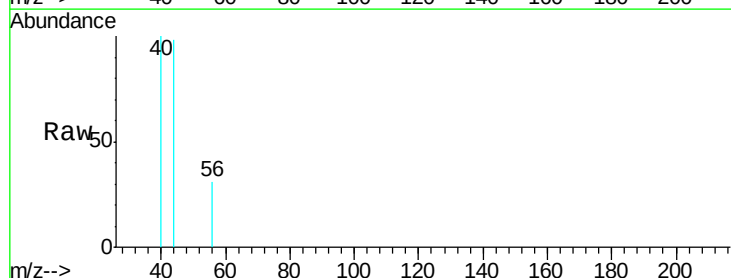
Acq: 03 Oct 2019 06:46

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

4.01

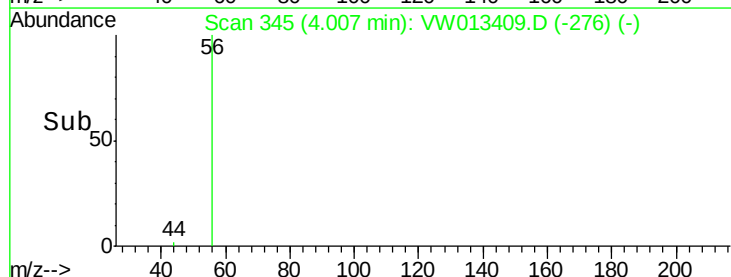
60

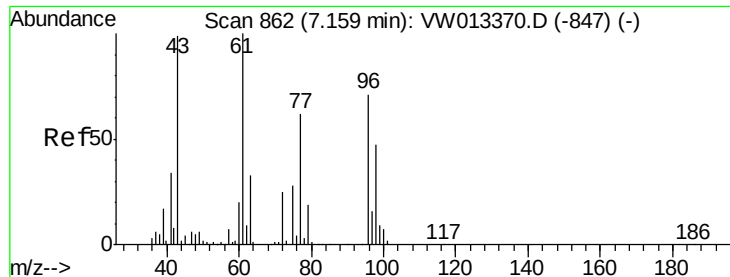
40

20

0

Time-->

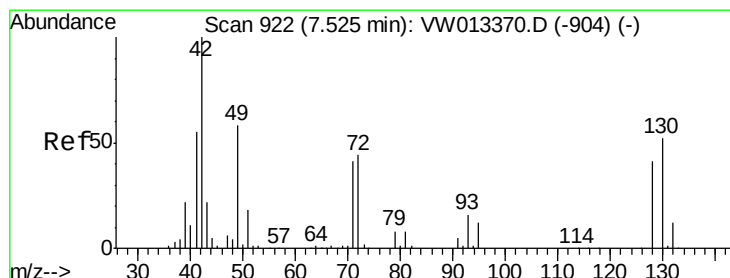
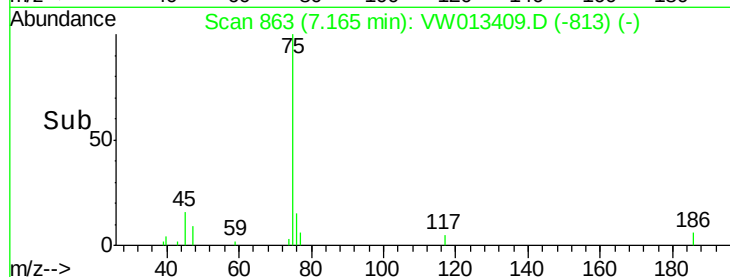
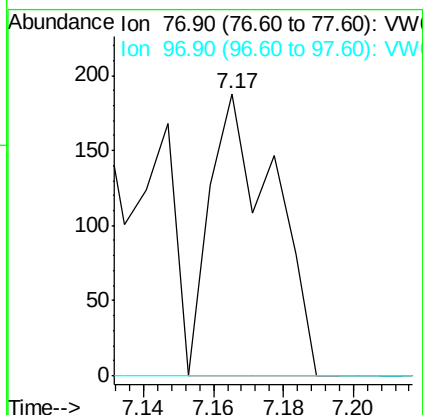
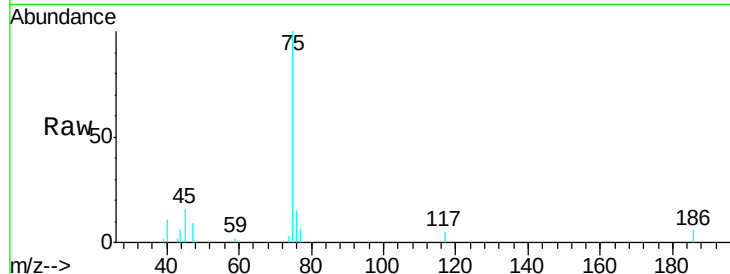




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

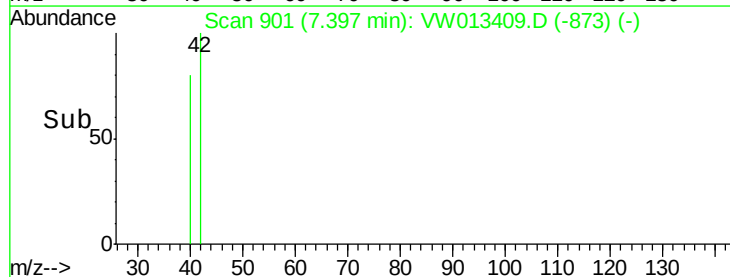
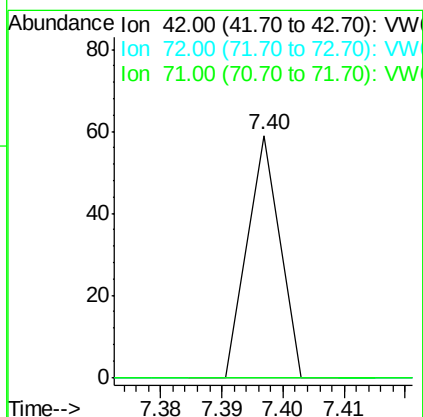
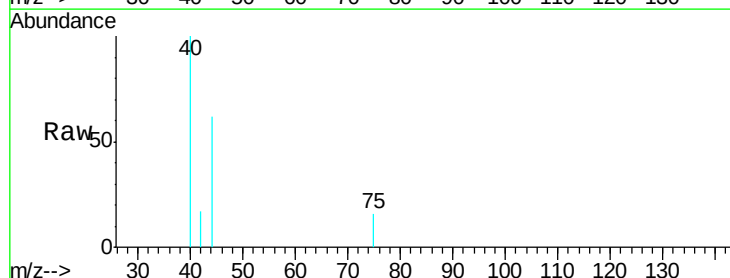
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-047-A

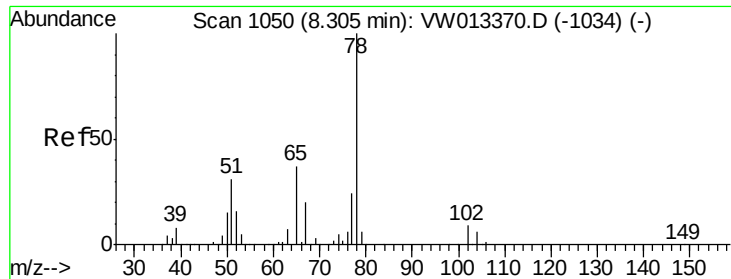
Tgt Ion: 77 Resp: 238
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 9.728 ug/l
 RT: 7.40 min Scan# 901
 Delta R.T. -0.13 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

Tgt Ion: 42 Resp: 22
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.9 50.9#
 71 0.0 31.9 47.9#

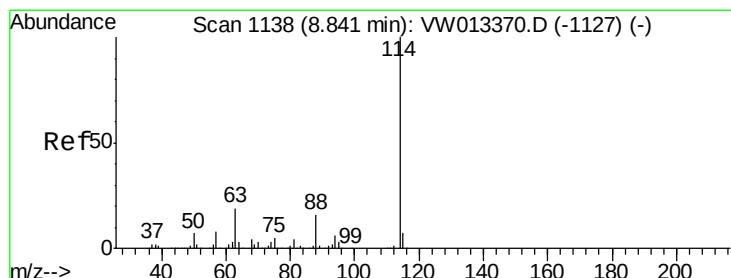
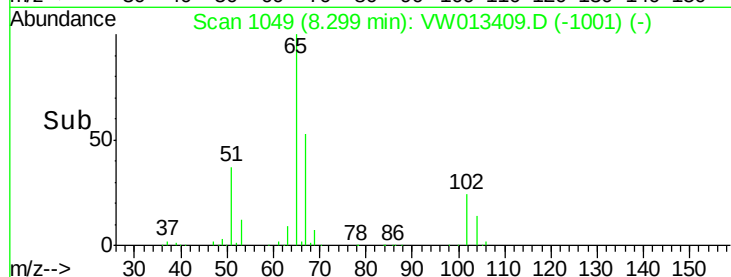
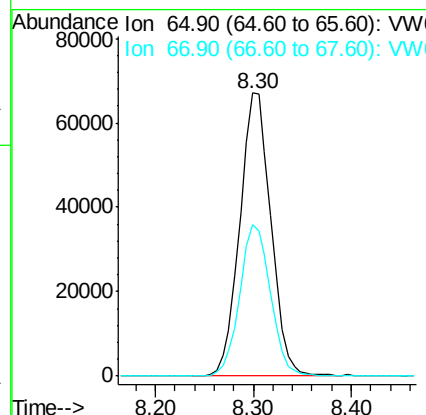
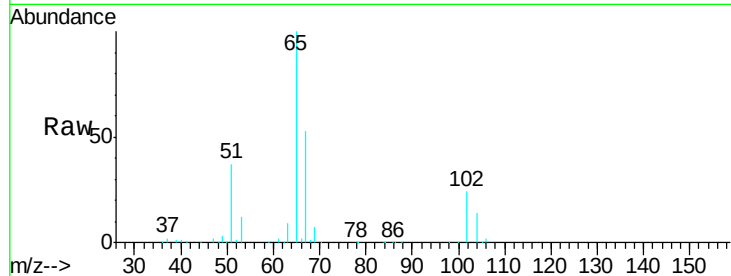




#33
 1,2-Dichloroethane-d4
 Concen: 55.101 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

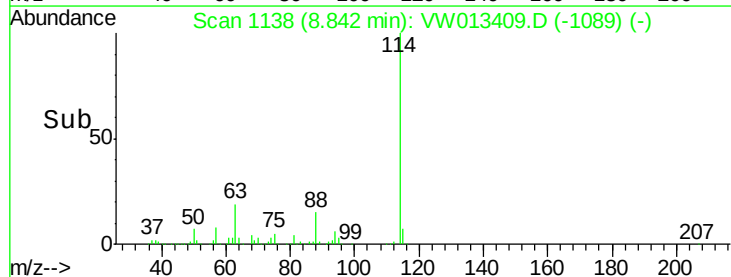
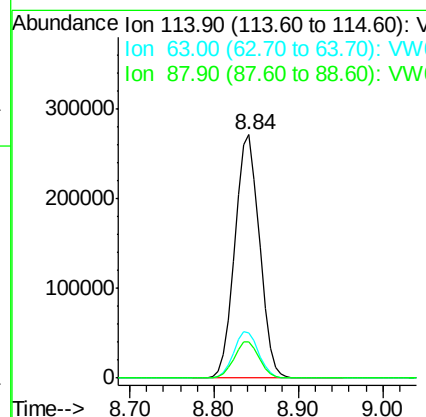
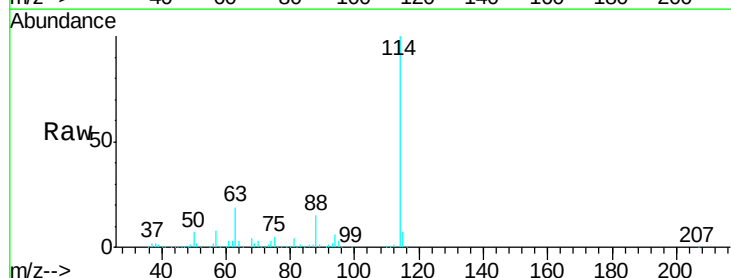
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-047-A

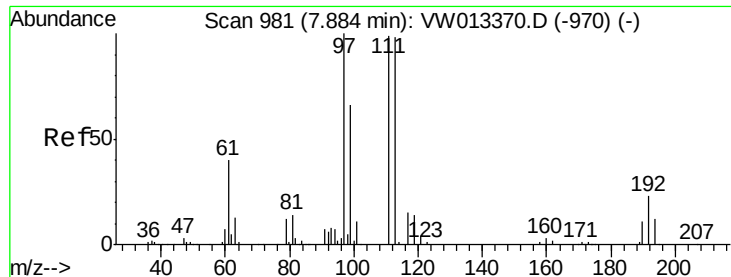
Tgt Ion: 65 Resp: 148004
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

Tgt Ion: 114 Resp: 537138
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.4
 88 14.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.248 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013409.D

Acq: 03 Oct 2019 06:46

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-047-A

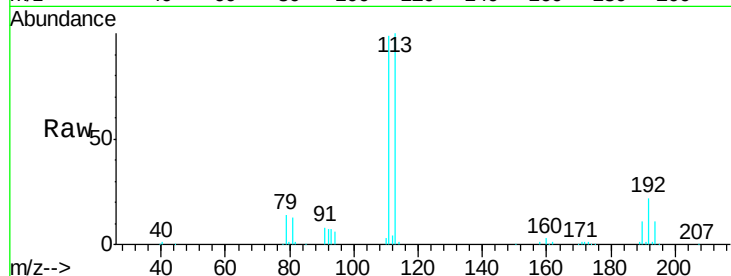
Tgt Ion:113 Resp: 150080

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

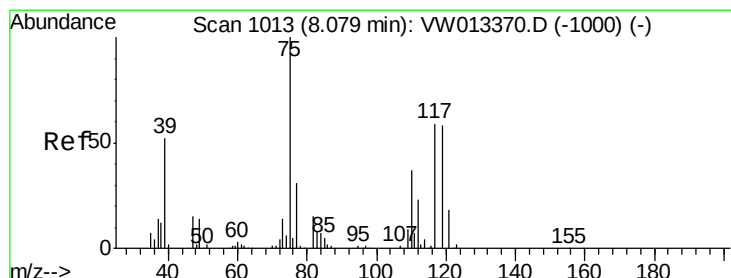
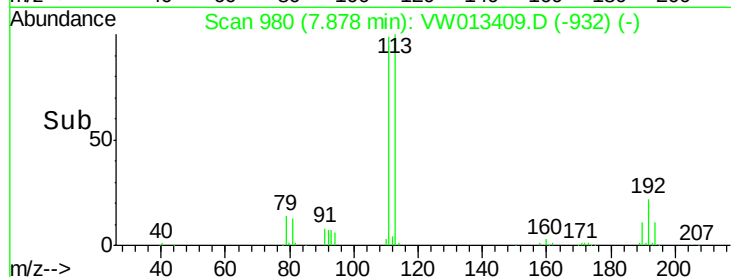
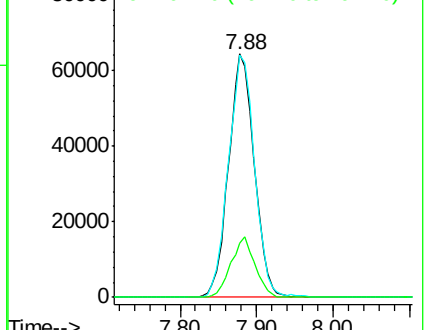
192 23.2 19.1 28.7



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: 4.647 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013409.D

Acq: 03 Oct 2019 06:46

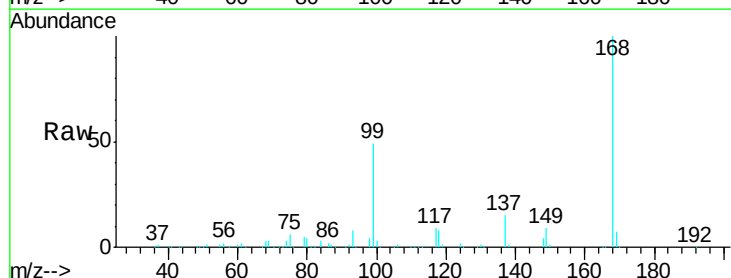
Tgt Ion: 75 Resp: 23184

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.3#

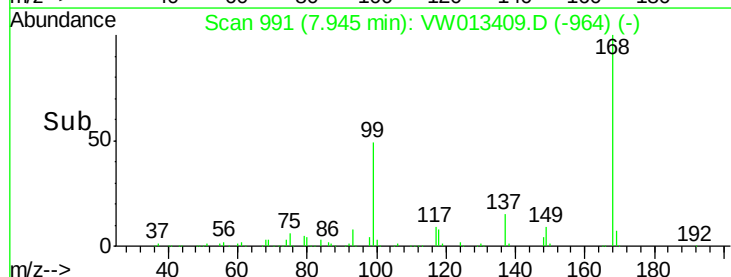
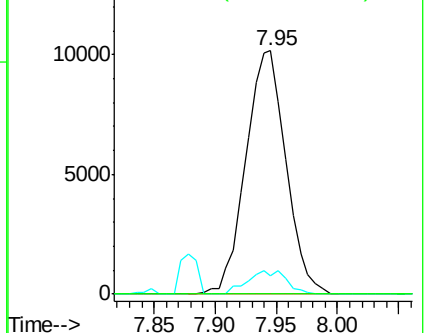
77 0.0 25.8 38.6#

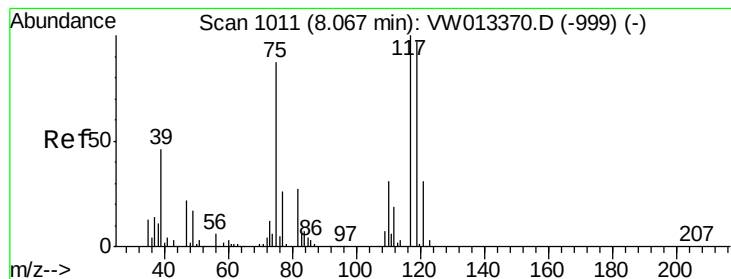


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 7.391 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013409.D

Acq: 03 Oct 2019 06:46

Instrument :

MSVOA_W

ClientSampleId :

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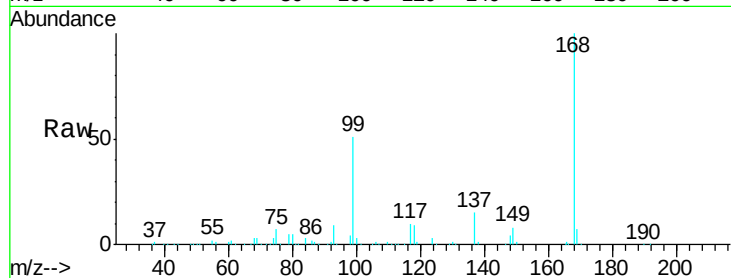
Tgt Ion:117 Resp: 31941

Ion Ratio Lower Upper

117 100

119 5.9 73.5 110.3#

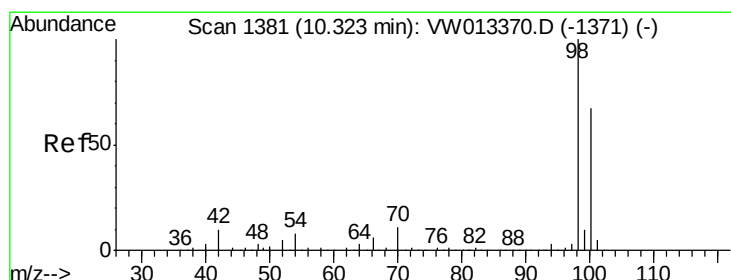
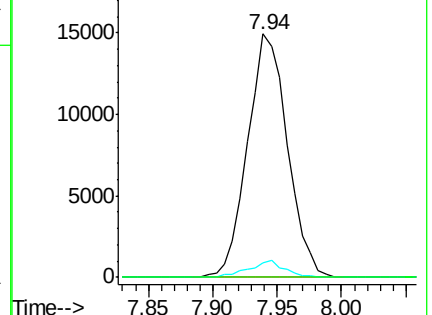
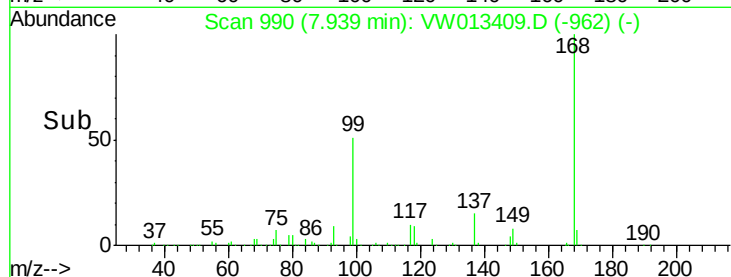
121 0.0 25.0 37.6#



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: 52.020 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013409.D

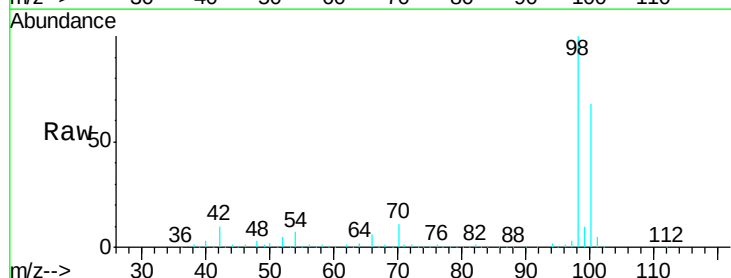
Acq: 03 Oct 2019 06:46

Tgt Ion: 98 Resp: 608437

Ion Ratio Lower Upper

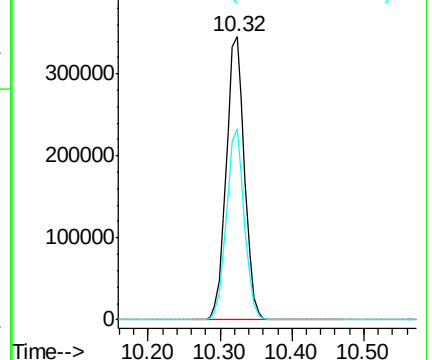
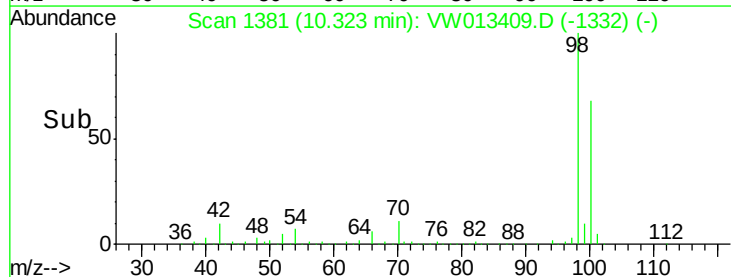
98 100

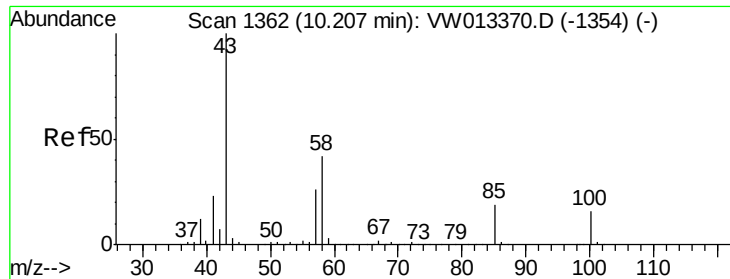
100 66.1 52.9 79.3



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: 1.097 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013409.D

Acq: 03 Oct 2019 06:46

Instrument :

MSVOA_W

ClientSampleId :

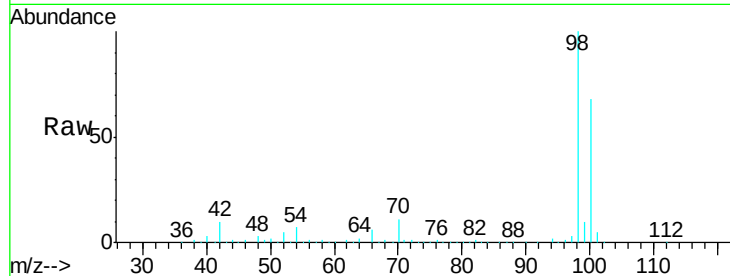
FK-GF-02-047-A

Tgt Ion: 43 Resp: 2389

Ion Ratio Lower Upper

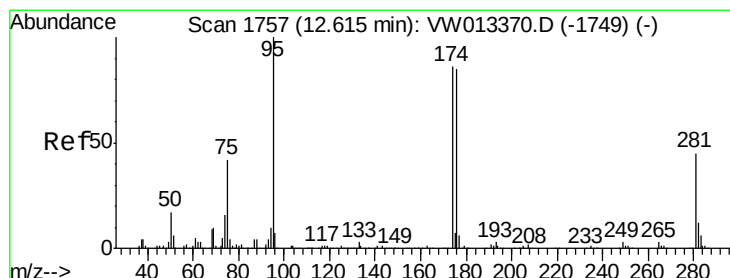
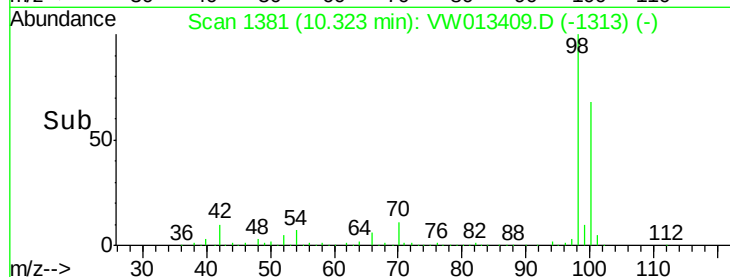
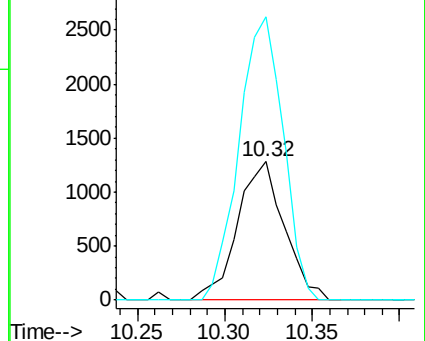
43 100

58 194.1 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: 45.616 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013409.D

Acq: 03 Oct 2019 06:46

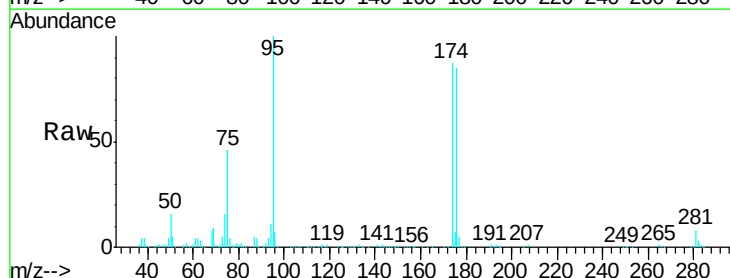
Tgt Ion: 95 Resp: 178165

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.4

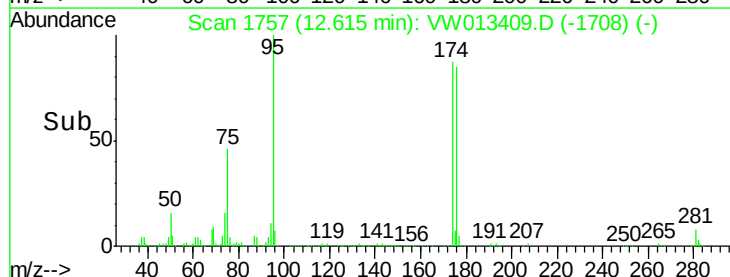
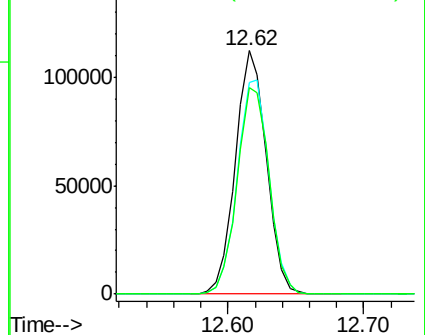
176 88.1 0.0 172.2

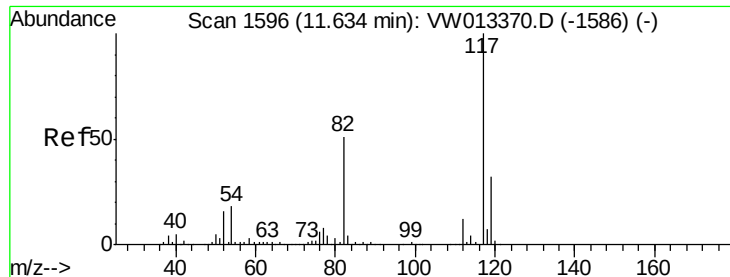


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

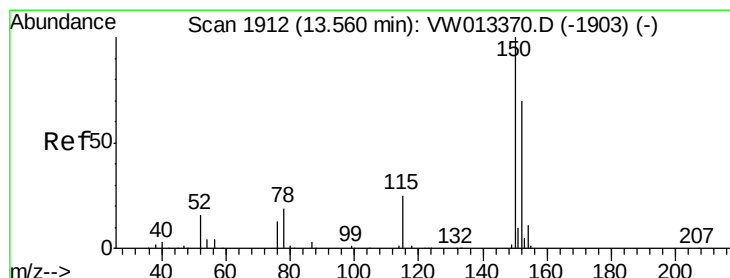
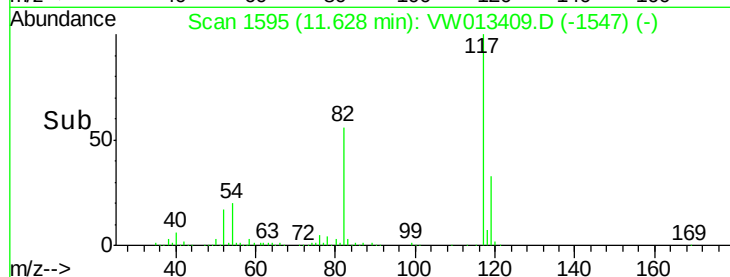
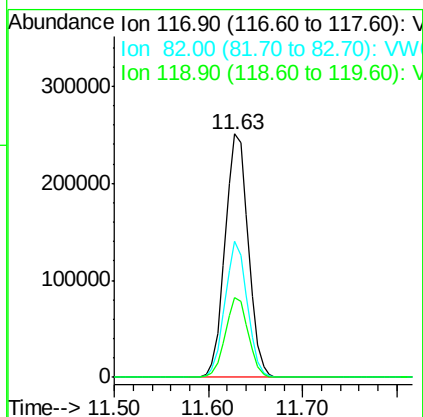
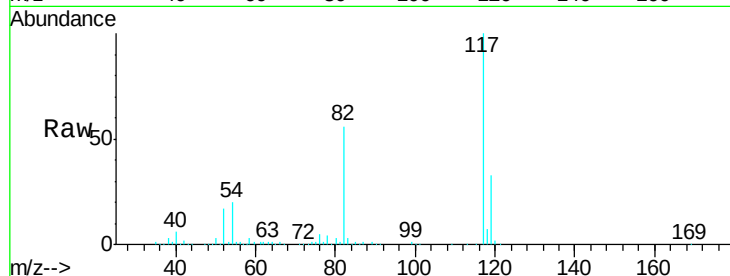




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013409.D
Acq: 03 Oct 2019 06:46

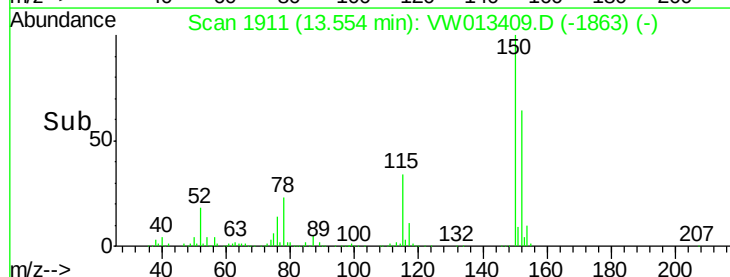
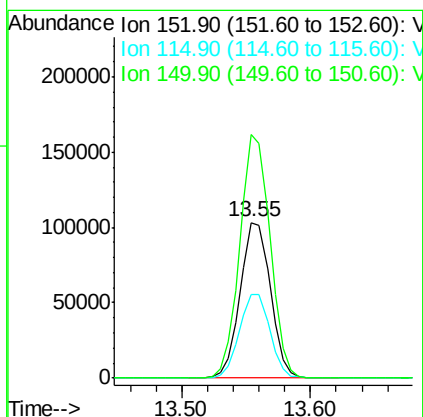
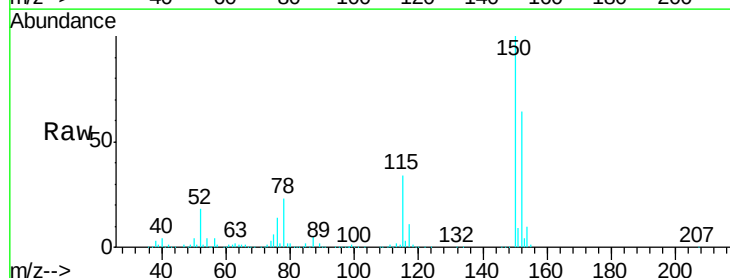
Instrument :
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FK-GF-02-047-A

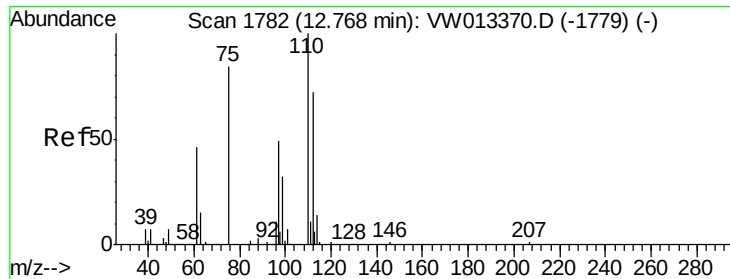
Tgt Ion:117 Resp: 428769
Ion Ratio Lower Upper
117 100
82 55.9 45.9 68.9
119 32.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013409.D
Acq: 03 Oct 2019 06:46

Tgt Ion:152 Resp: 168092
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 156.6 0.0 349.0

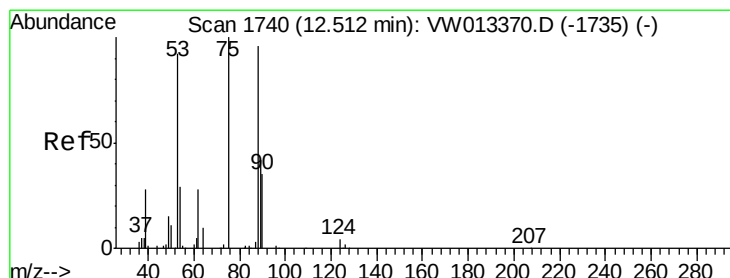
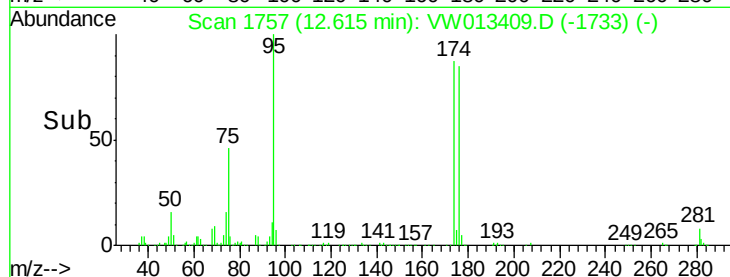
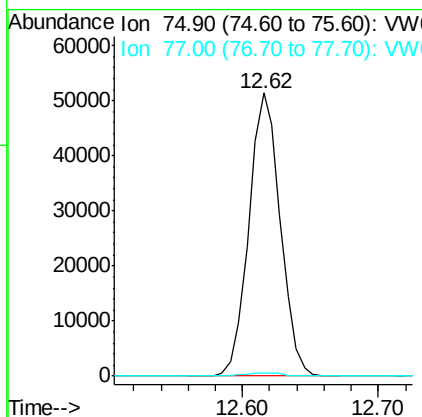
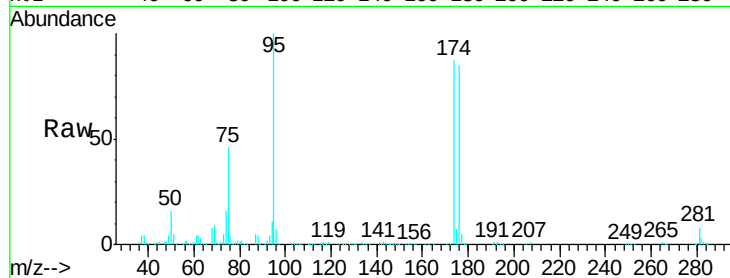




#76
 1,2,3-Trichloropropane
 Concen: 55.521 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

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

Tgt Ion: 75 Resp: 82946
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.348 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013409.D
 Acq: 03 Oct 2019 06:46

Tgt Ion: 75 Resp: 82946
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.6 114.8#
 89 0.1 33.5 50.3#

