

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030219\
 Data File : VW008954.D
 Acq On : 02 Mar 2019 07:20
 Operator : SY/VA
 Sample : K1669-02
 Misc : 6.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-031-A

Quant Time: Mar 03 23:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	299835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	473747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181972	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	172724	61.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.84%	
35) Dibromofluoromethane	7.88	113	150434	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
50) Toluene-d8	10.32	98	565506	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	186457	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	

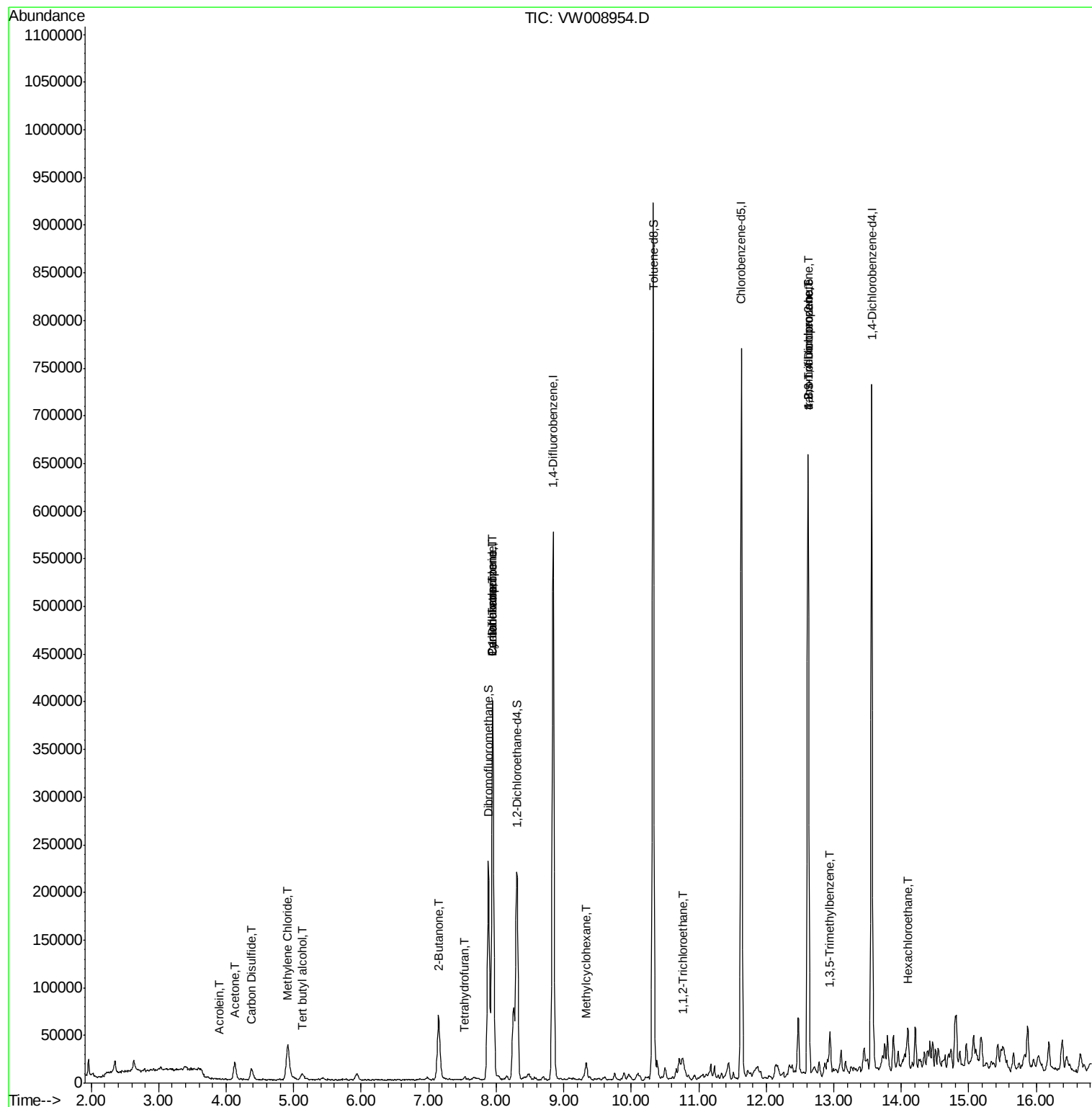
Target Compounds						Qvalue
11) Tert butyl alcohol	5.14	59	6346	25.348	ug/l #	75
13) Acrolein	3.90	56	53	19.965	ug/l #	1
16) Acetone	4.13	43	31242	47.929	ug/l	99
17) Carbon Disulfide	4.37	76	21171	2.431	ug/l	96
20) Methylene Chloride	4.92	84	28065	4.044	ug/l	93
25) 2-Butanone	7.14	43	2237	2.455	ug/l #	86
29) Tetrahydrofuran	7.54	42	1760	3.031	ug/l #	82
31) Cyclohexane	7.95	56	8595	1.621	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	23331	5.059	ug/l #	51
38) Carbon Tetrachloride	7.95	117	29476	6.061	ug/l #	18
39) Methylcyclohexane	9.34	83	5821	1.012	ug/l #	80
55) 1,1,2-Trichloroethane	10.76	97	3594	1.531	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	98252	65.396	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	14293	1.318	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	98252	158.982	ug/l #	6
90) Hexachloroethane	14.10	117	2151	1.063	ug/l #	9

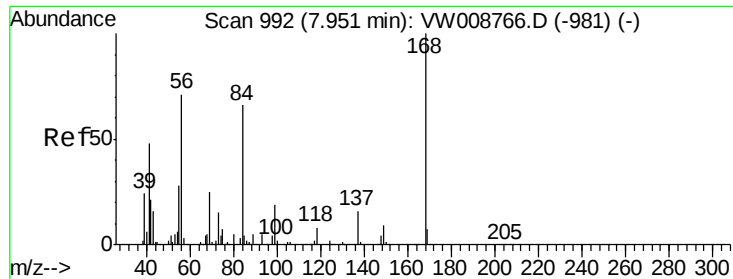
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

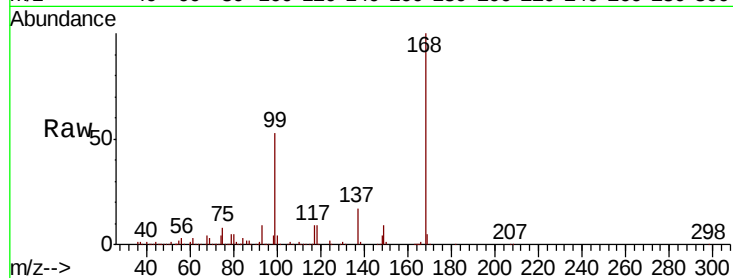
FK-GF-02-031-A

Tgt Ion:168 Resp: 299835

Ion Ratio Lower Upper

168 100

99 53.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

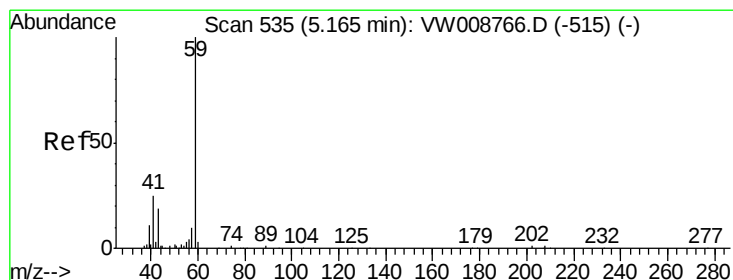
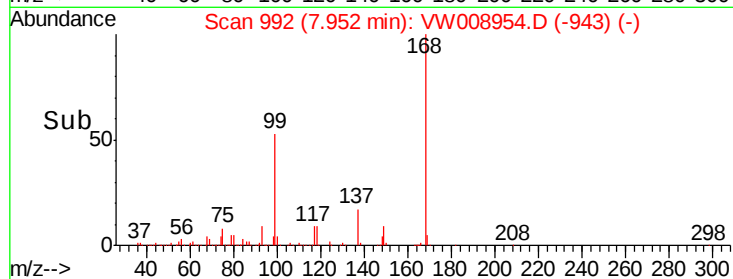
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 25.348 ug/l

RT: 5.14 min Scan# 530

Delta R.T. -0.03 min

Lab File: VW008954.D

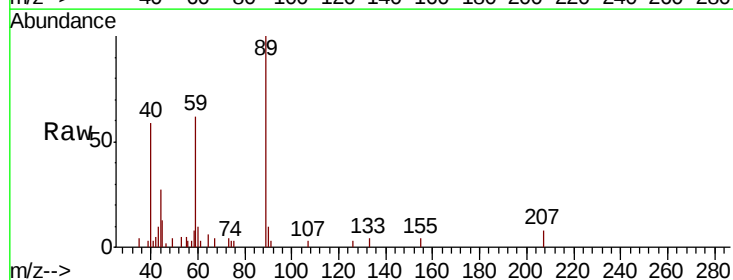
Acq: 02 Mar 2019 07:20

Tgt Ion: 59 Resp: 6346

Ion Ratio Lower Upper

59 100

57 2.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.14

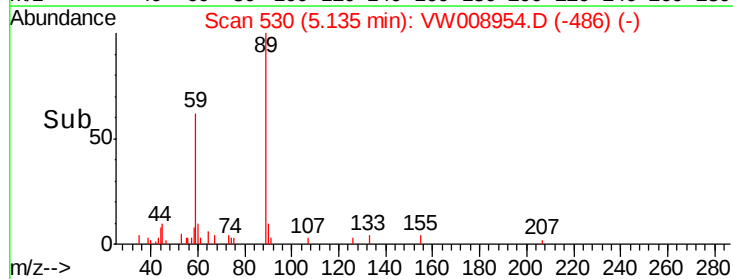
1500

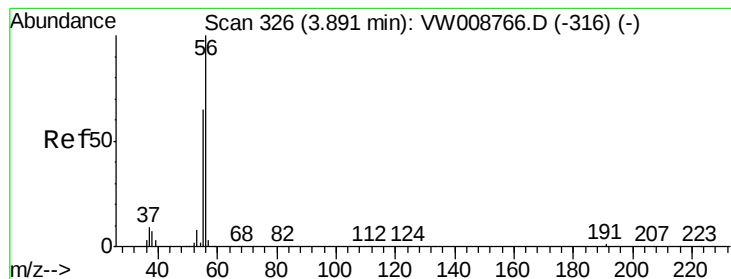
1000

500

0

Time-->





#13

Acrolein

Concen: 19.965 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

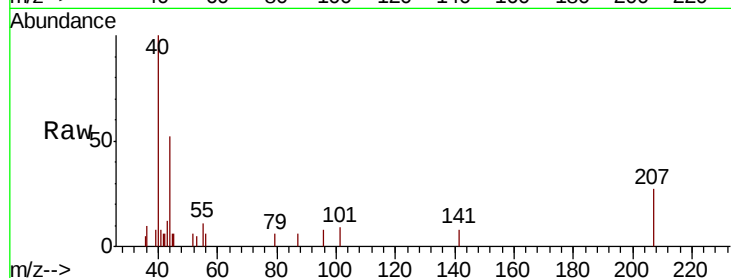
FK-GF-02-031-A

Tgt Ion: 56 Resp: 53

Ion Ratio Lower Upper

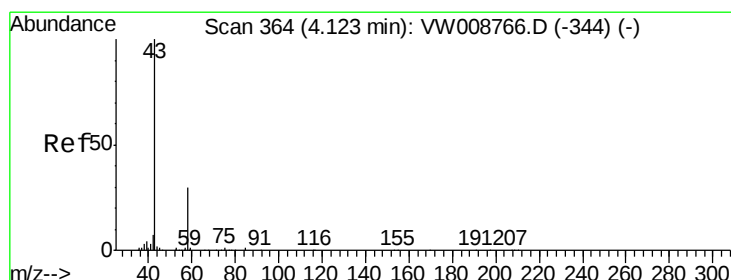
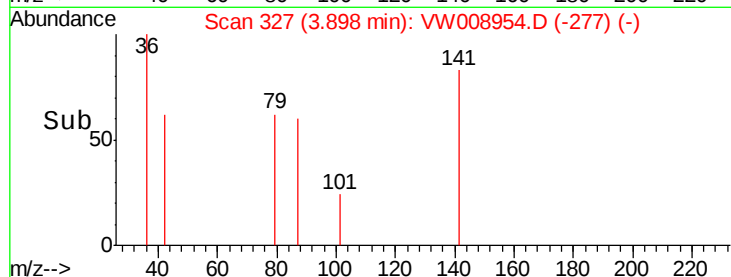
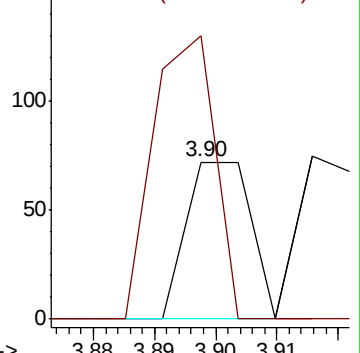
56 100

55 169.8 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 47.929 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008954.D

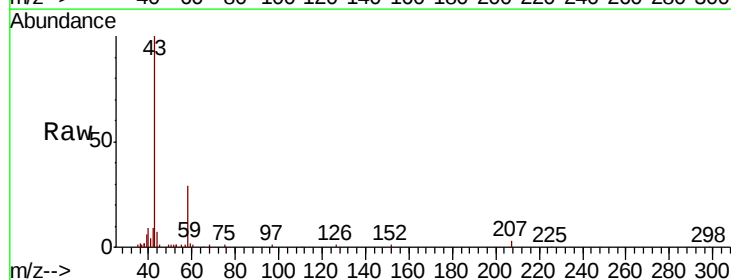
Acq: 02 Mar 2019 07:20

Tgt Ion: 43 Resp: 31242

Ion Ratio Lower Upper

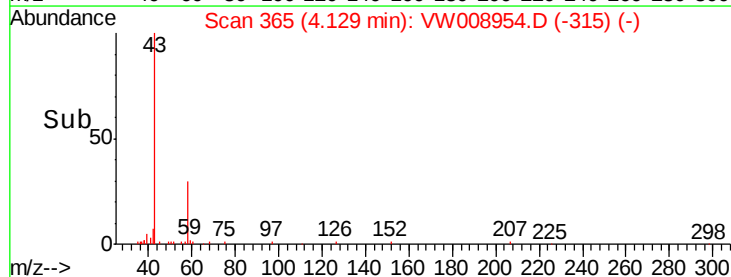
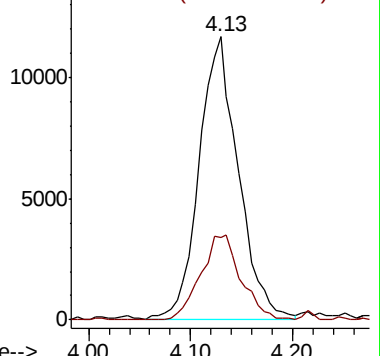
43 100

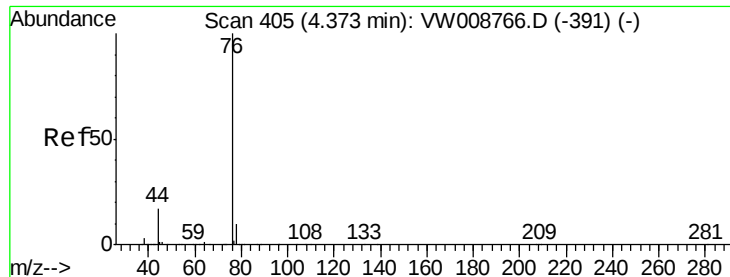
58 29.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

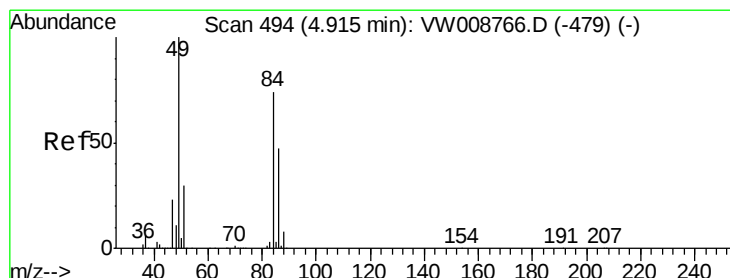
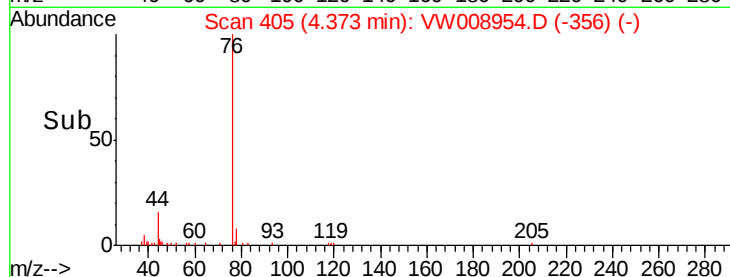
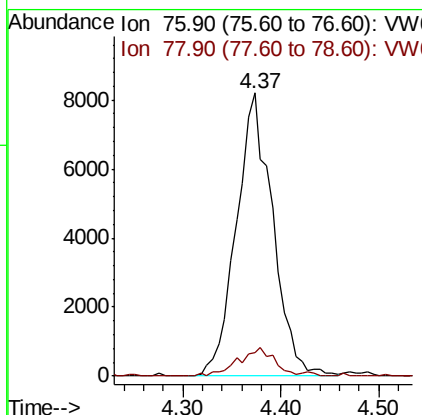
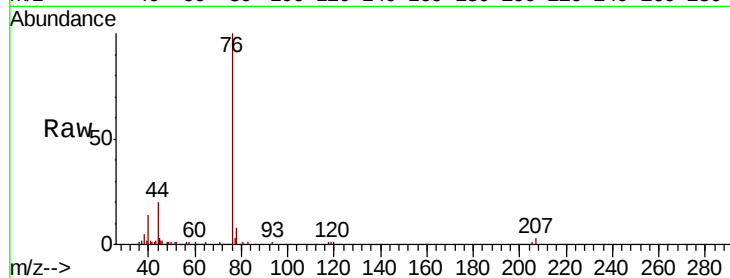




#17
Carbon Disulfide
Concen: 2.431 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

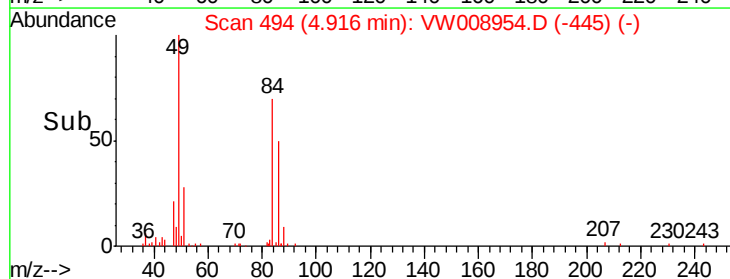
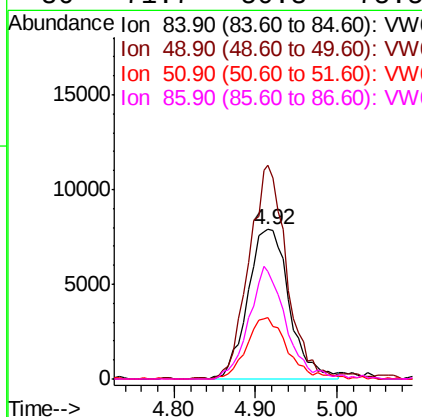
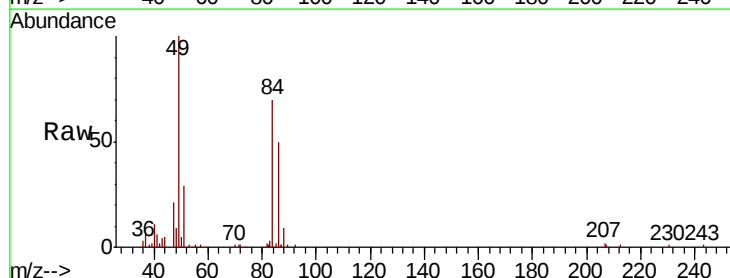
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-031-A

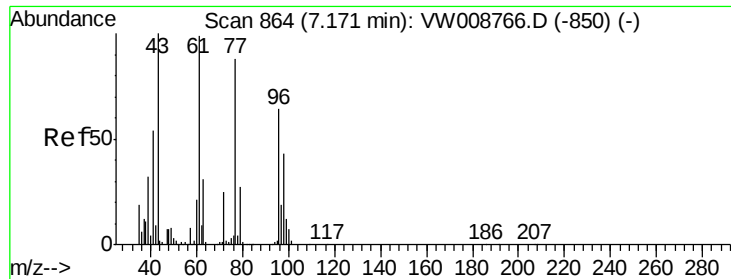
Tgt Ion: 76 Resp: 21171
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.8



#20
Methylene Chloride
Concen: 4.044 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

Tgt Ion: 84 Resp: 28065
Ion Ratio Lower Upper
84 100
49 142.9 108.2 162.2
51 41.2 32.7 49.1
86 71.7 50.3 75.5





#25

2-Butanone

Concen: 2.455 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

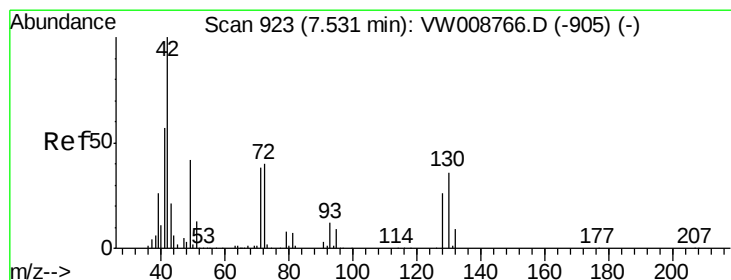
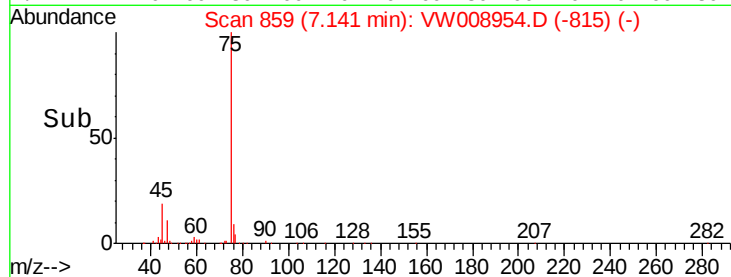
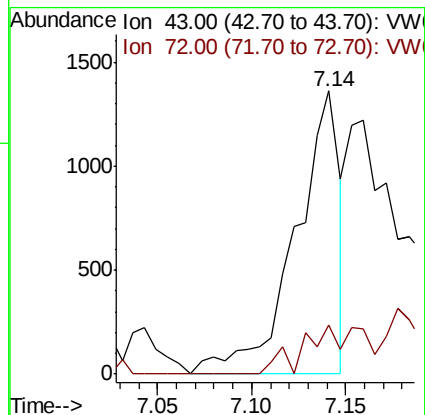
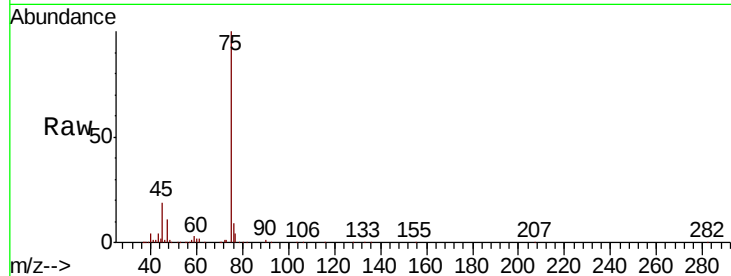
FK-GF-02-031-A

Tgt Ion: 43 Resp: 2237

Ion Ratio Lower Upper

43 100

72 17.6 19.7 29.5#



#29

Tetrahydrofuran

Concen: 3.031 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

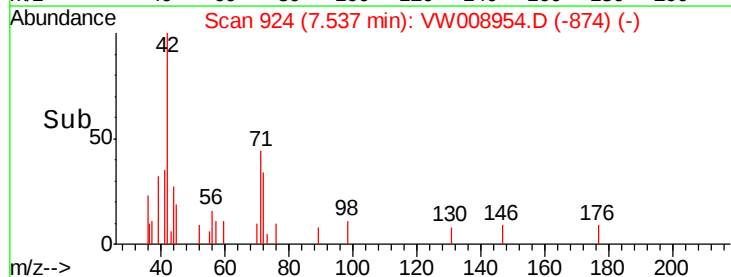
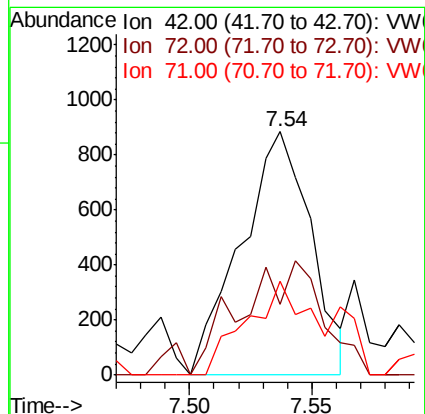
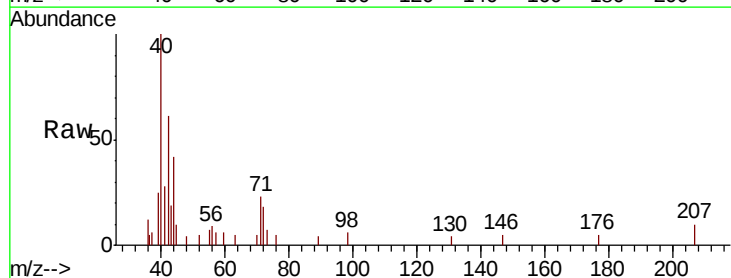
Tgt Ion: 42 Resp: 1760

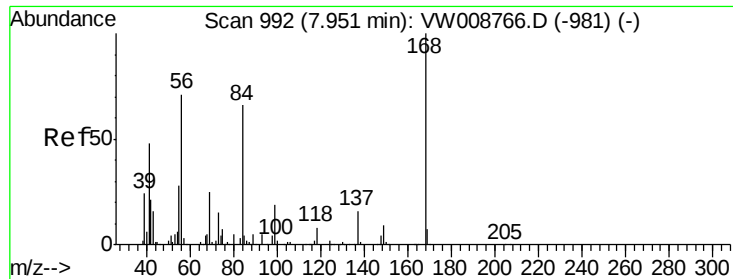
Ion Ratio Lower Upper

42 100

72 58.1 32.7 49.1#

71 44.1 31.3 46.9

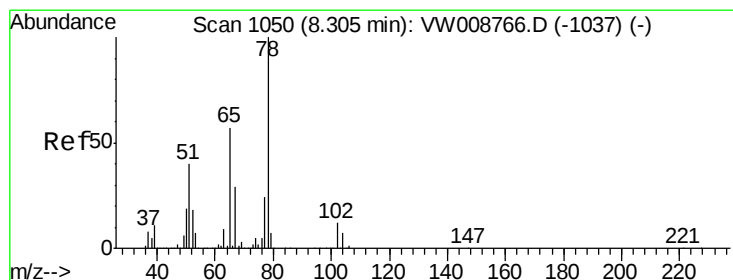
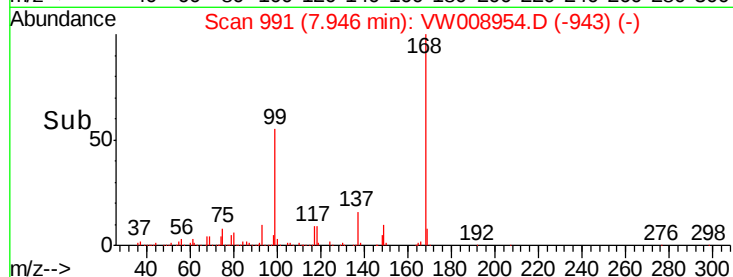
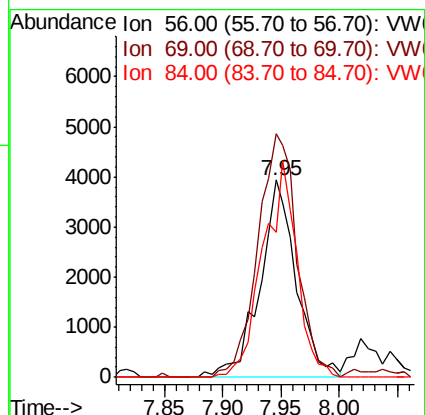
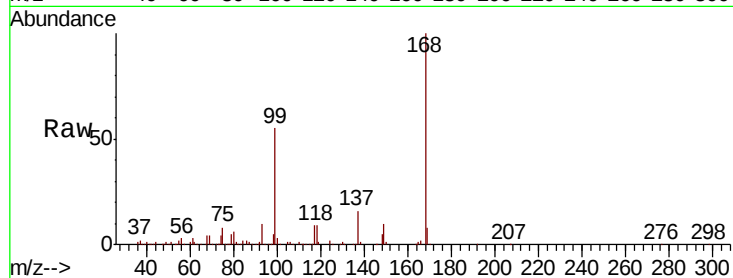




#31
Cyclohexane
Concen: 1.621 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

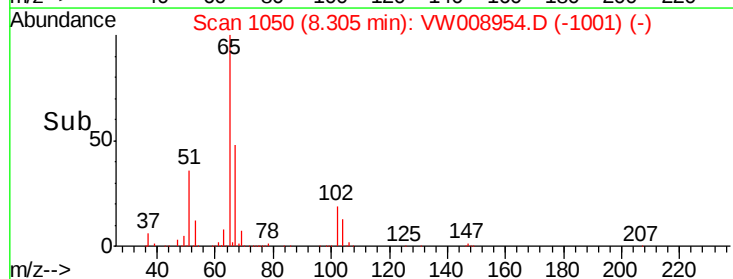
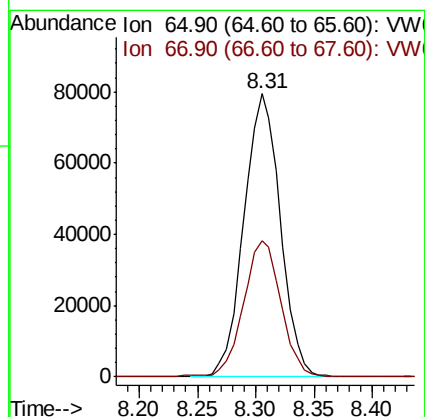
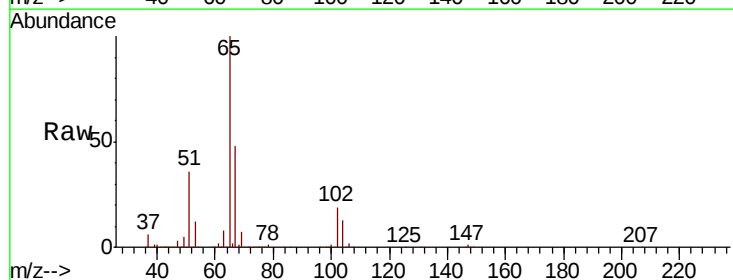
Instrument :
MSVOA_W
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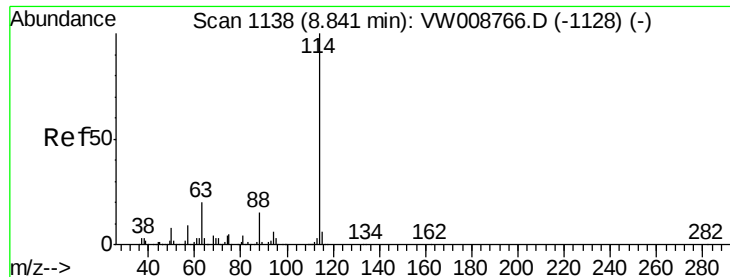
Tgt Ion: 56 Resp: 8595
Ion Ratio Lower Upper
56 100
69 123.5 28.2 42.4#
84 73.5 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 61.420 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

Tgt Ion: 65 Resp: 172724
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.4

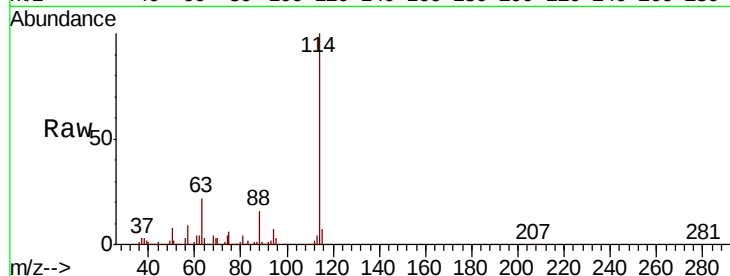




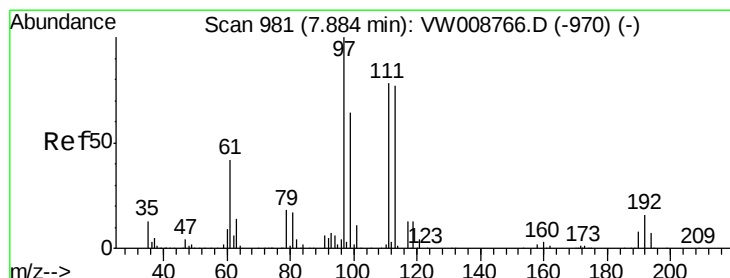
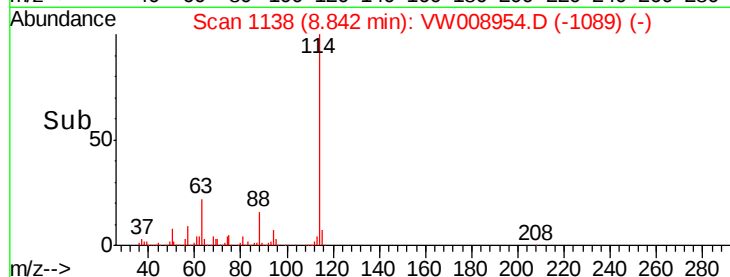
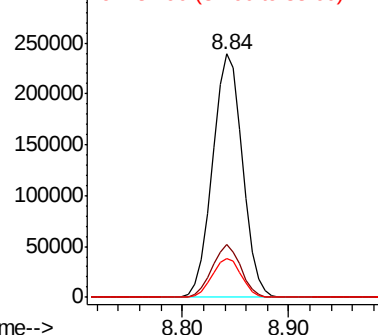
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-031-A

Tgt Ion:114 Resp: 473747
Ion Ratio Lower Upper
114 100
63 21.7 0.0 40.8
88 15.8 0.0 30.4

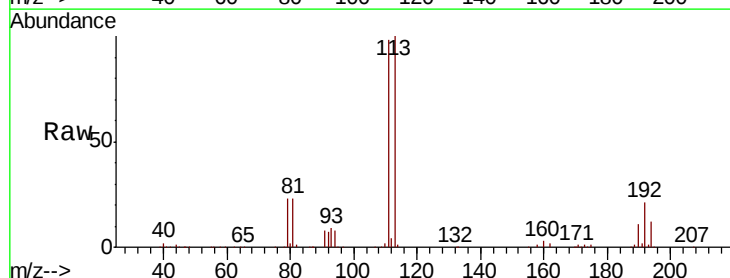


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

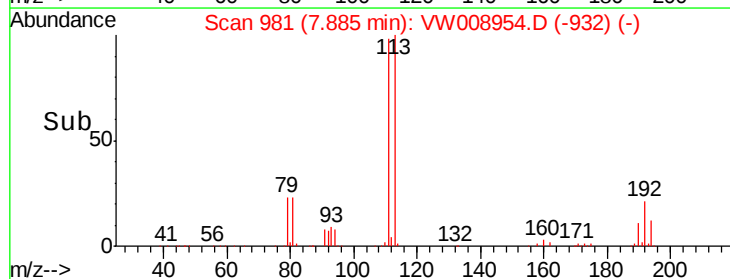
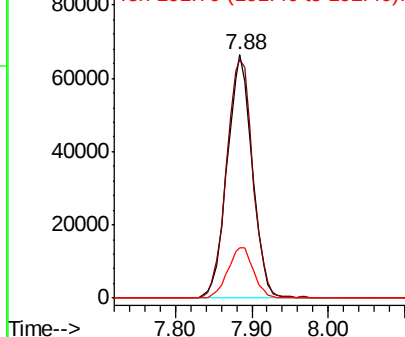


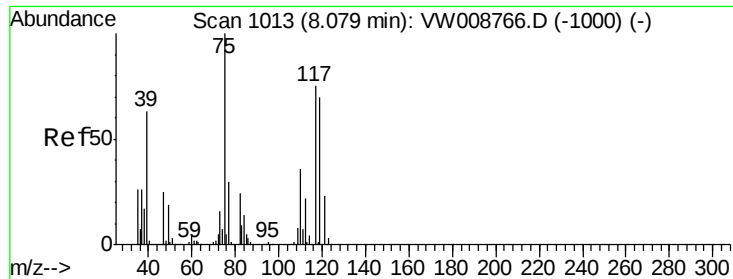
#35
Dibromofluoromethane
Concen: 52.887 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

Tgt Ion:113 Resp: 150434
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 21.2 17.1 25.7



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: 5.059 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-031-A

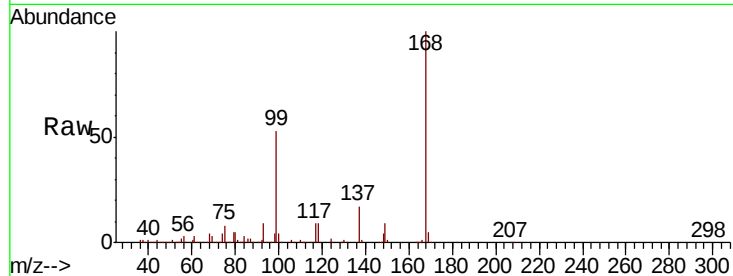
Tgt Ion: 75 Resp: 23331

Ion Ratio Lower Upper

75 100

110 9.8 17.5 52.6#

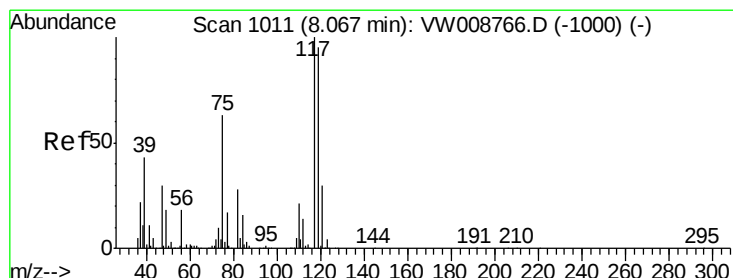
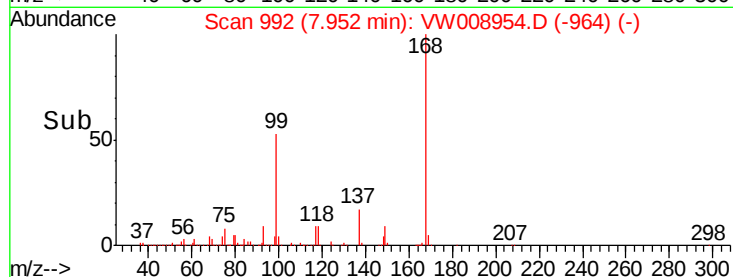
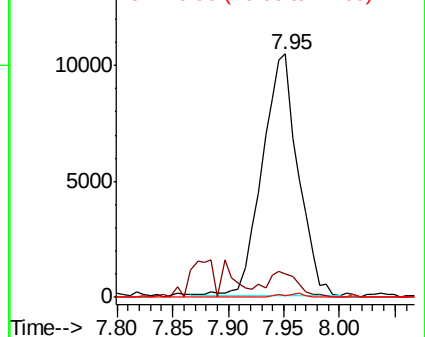
77 0.9 24.5 36.7#



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: 6.061 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

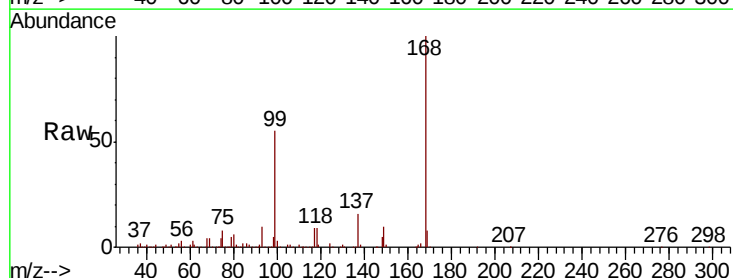
Tgt Ion: 117 Resp: 29476

Ion Ratio Lower Upper

117 100

119 6.9 76.1 114.1#

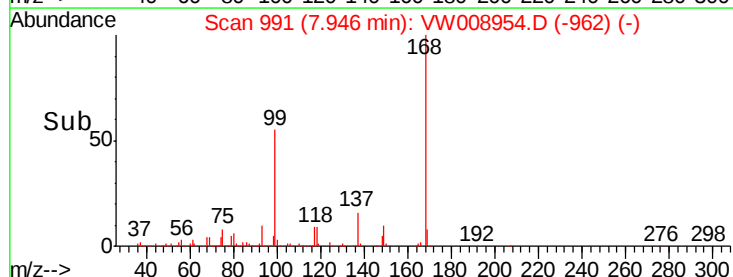
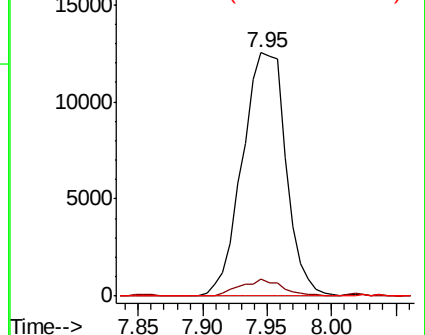
121 0.0 24.0 36.0#

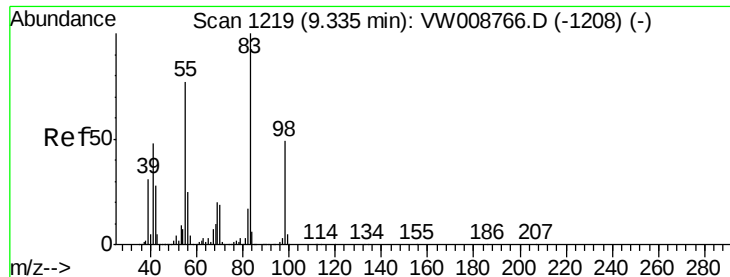


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 1.012 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-031-A

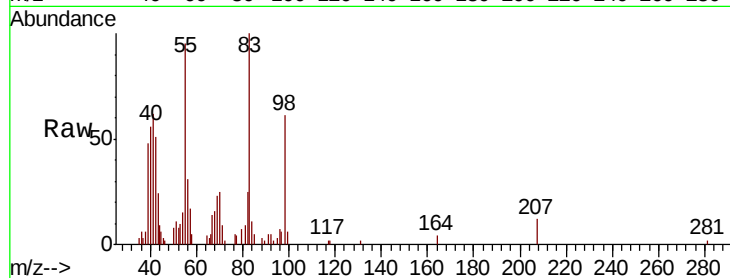
Tgt Ion: 83 Resp: 5821

Ion Ratio Lower Upper

83 100

55 95.1 61.2 91.8#

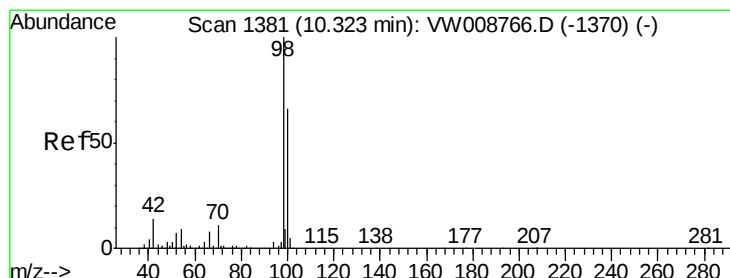
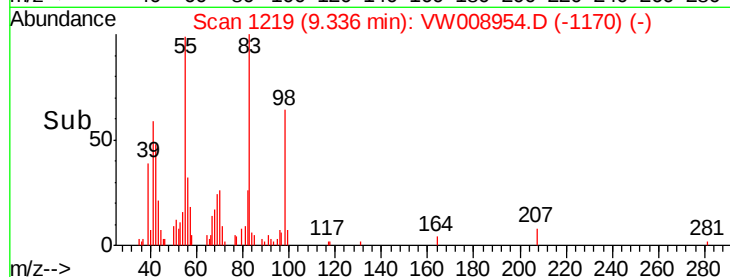
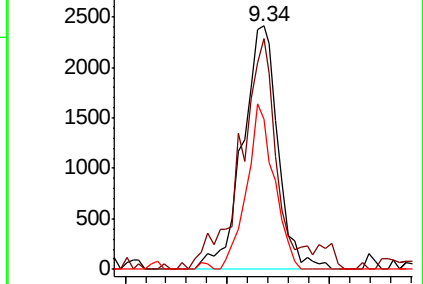
98 61.4 39.4 59.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#50

Toluene-d8

Concen: 51.502 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008954.D

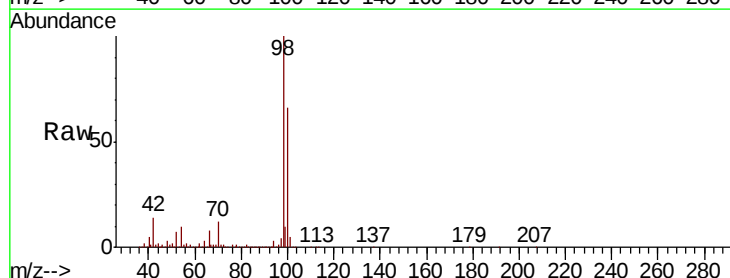
Acq: 02 Mar 2019 07:20

Tgt Ion: 98 Resp: 565506

Ion Ratio Lower Upper

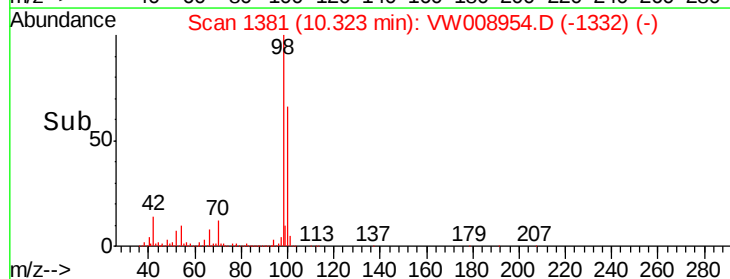
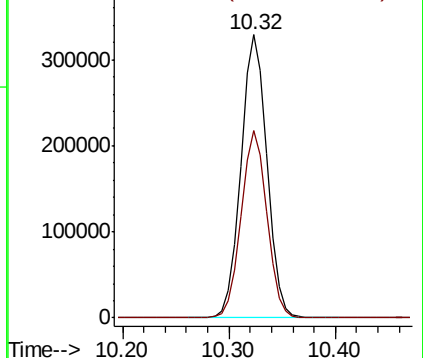
98 100

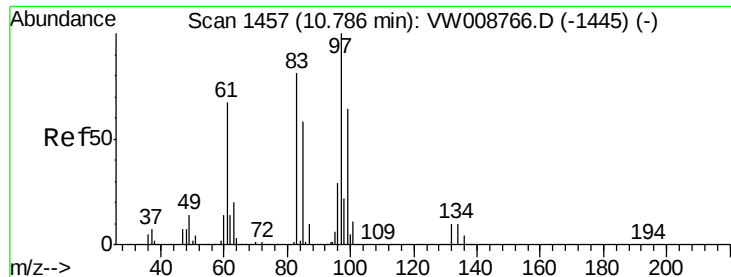
100 65.5 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

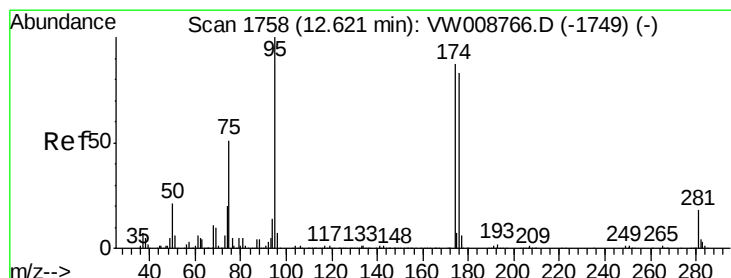
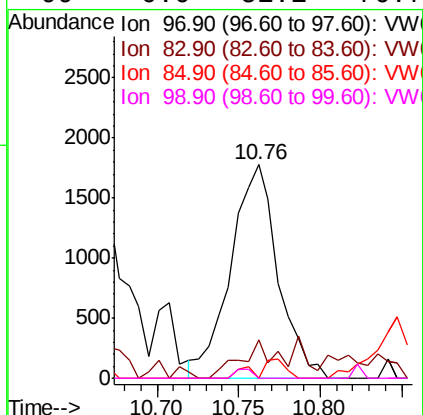
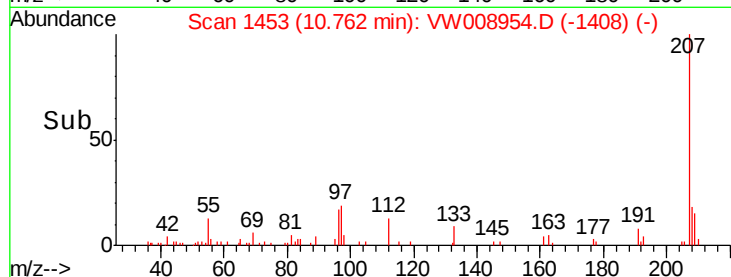
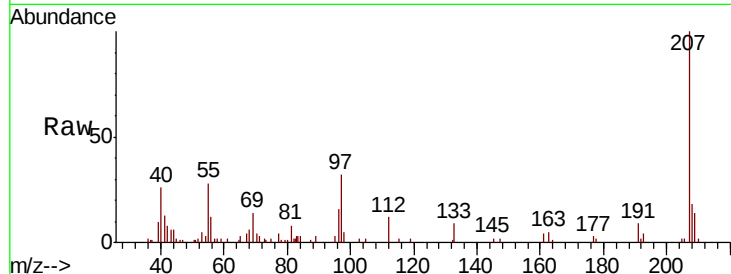




#55
 1,1,2-Trichloroethane
 Concen: 1.531 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW008954.D
 Acq: 02 Mar 2019 07:20

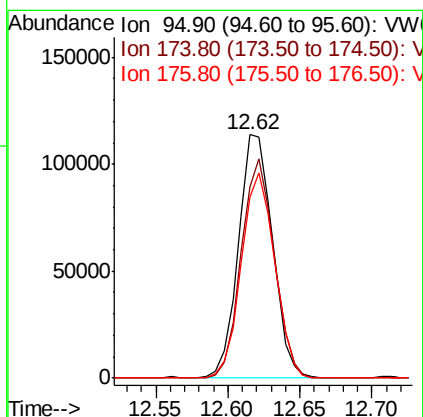
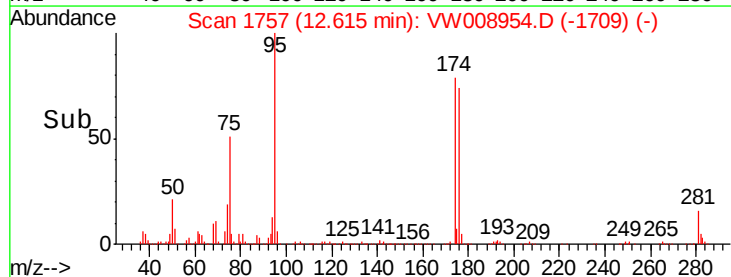
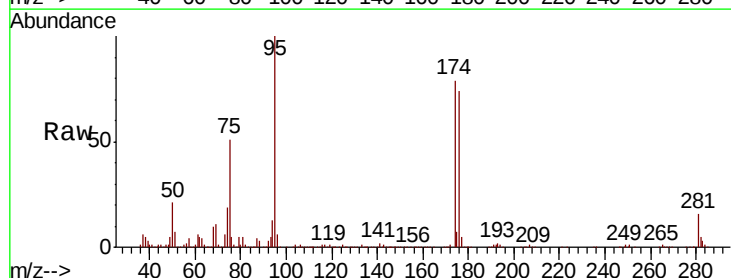
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-031-A

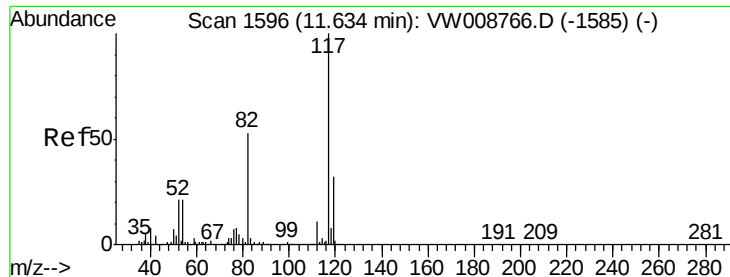
Tgt Ion: 97 Resp: 3594
 Ion Ratio Lower Upper
 97 100
 83 15.2 65.0 97.6#
 85 0.0 46.0 69.0#
 99 0.0 51.1 76.7#



#62
 4-Bromofluorobenzene
 Concen: 43.369 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008954.D
 Acq: 02 Mar 2019 07:20

Tgt Ion: 95 Resp: 186457
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 169.2
 176 83.1 0.0 163.6

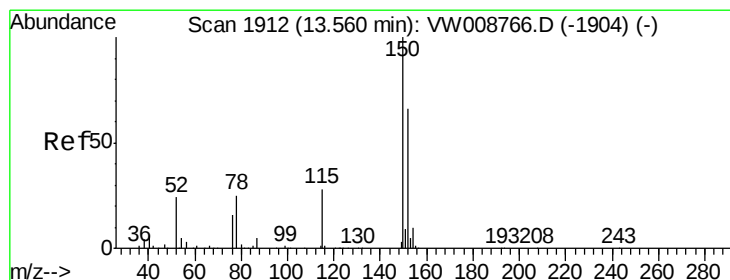
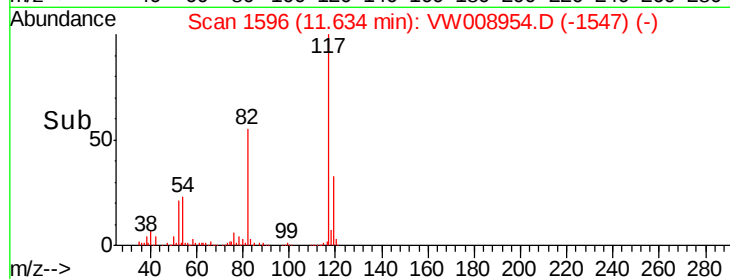
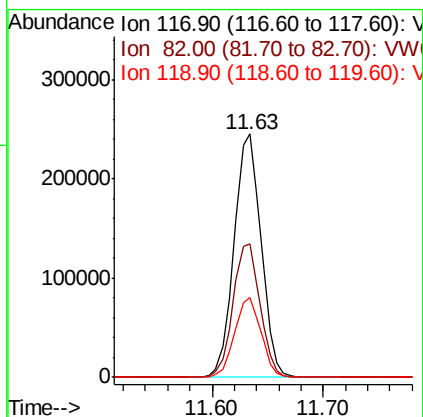
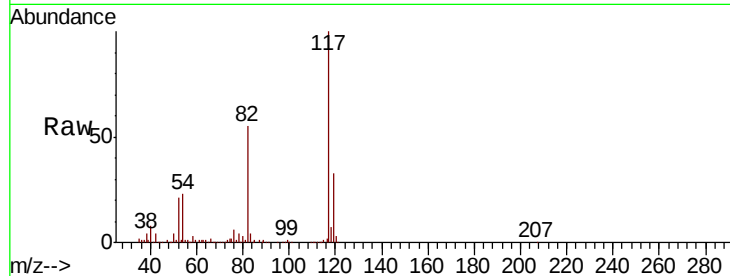




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

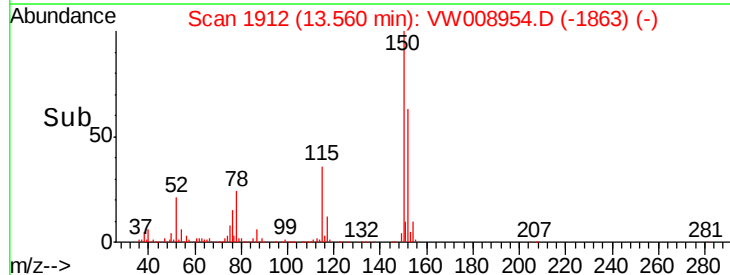
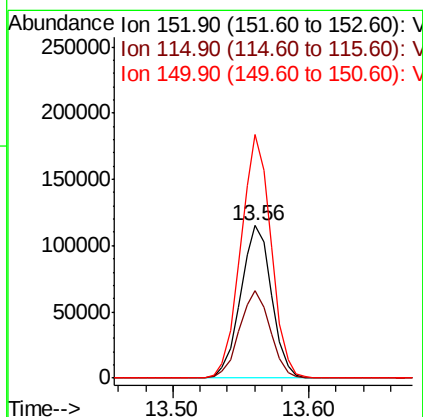
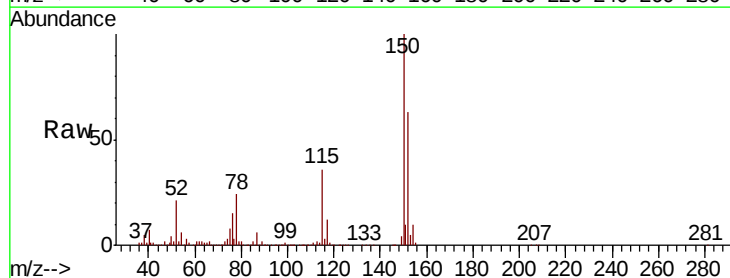
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-031-A

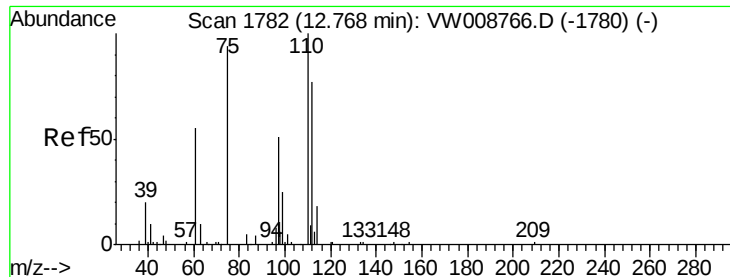
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.2	63.4
119	32.6	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008954.D
Acq: 02 Mar 2019 07:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.6	85.8
150	156.4	0.0	348.0





#76

1,2,3-Trichloropropane

Concen: 65.396 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

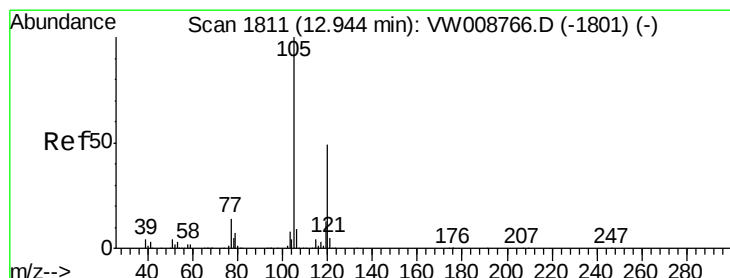
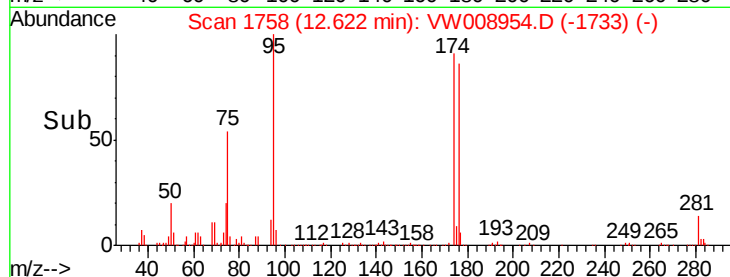
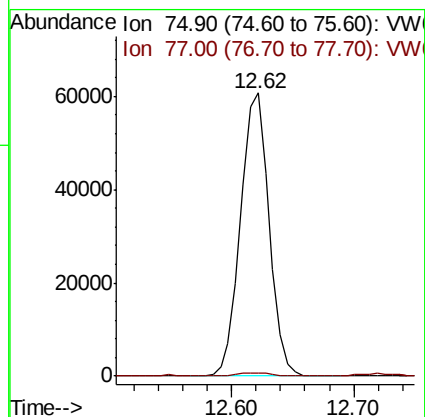
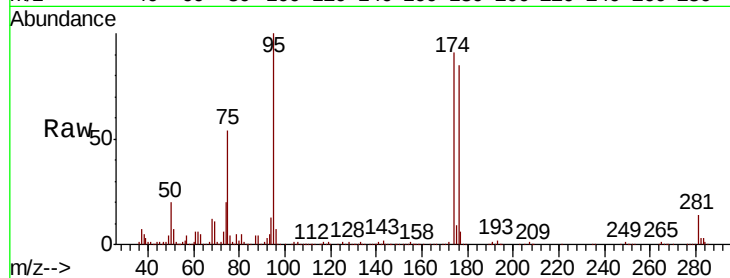
FK-GF-02-031-A

Tgt Ion: 75 Resp: 98252

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.318 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008954.D

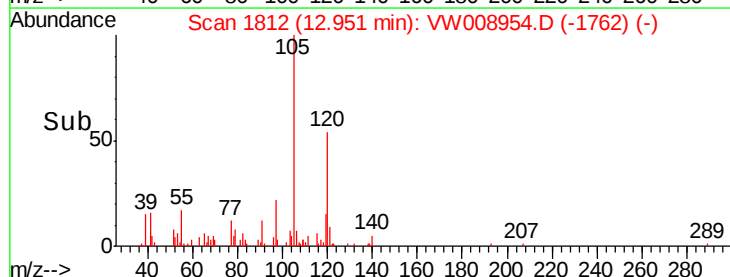
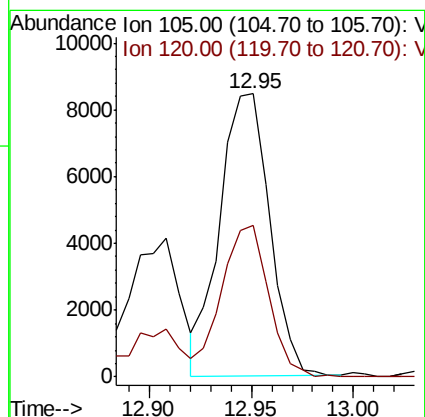
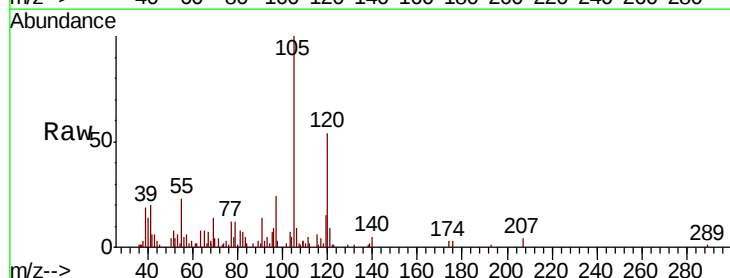
Acq: 02 Mar 2019 07:20

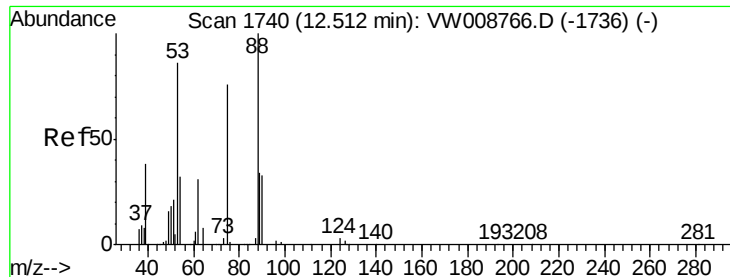
Tgt Ion: 105 Resp: 14293

Ion Ratio Lower Upper

105 100

120 50.9 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 158.982 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-031-A

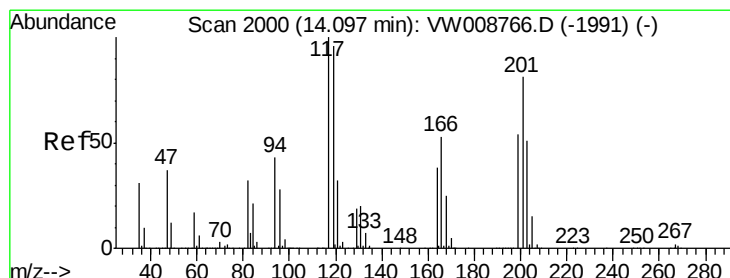
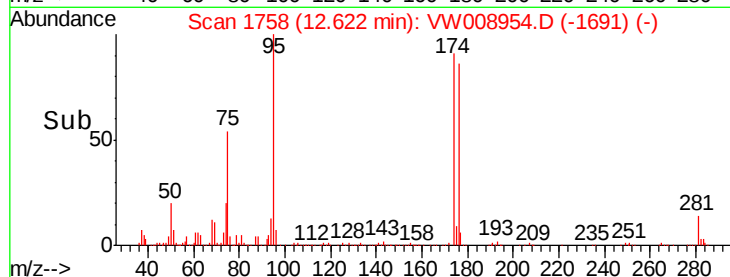
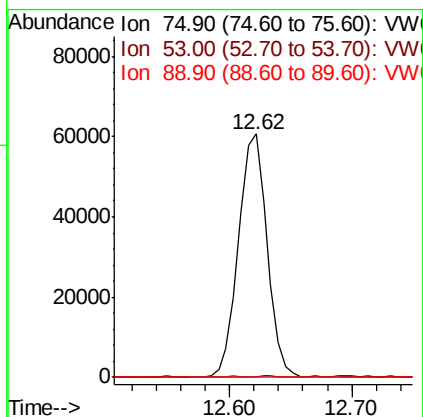
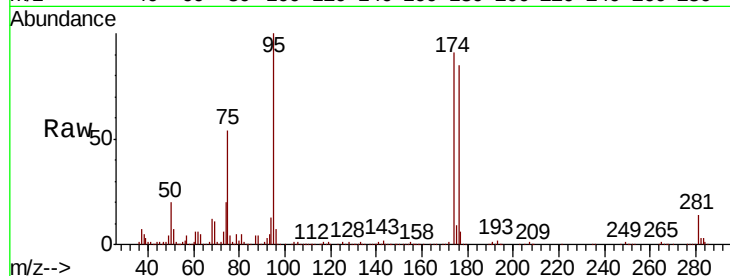
Tgt Ion: 75 Resp: 98252

Ion Ratio Lower Upper

75 100

53 0.7 88.2 132.2#

89 0.1 39.5 59.3#



#90

Hexachloroethane

Concen: 1.063 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008954.D

Acq: 02 Mar 2019 07:20

Tgt Ion: 117 Resp: 2151

Ion Ratio Lower Upper

117 100

201 0.0 40.3 120.8#

