

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010718.D
 Acq On : 06 Jun 2019 19:03
 Operator : SY/VA
 Sample : K3248-02
 Misc : 6.17G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-042-A

Quant Time: Jun 07 07:40:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	191111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290389	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129324	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	140949	62.57	ug/l	0.00
Spiked Amount			Recovery	=	125.14%	
35) Dibromofluoromethane	7.88	113	98714	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	
50) Toluene-d8	10.32	98	428400	54.58	ug/l	0.00
Spiked Amount			Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.62	95	153604	53.78	ug/l	0.00
Spiked Amount			Recovery	=	107.56%	

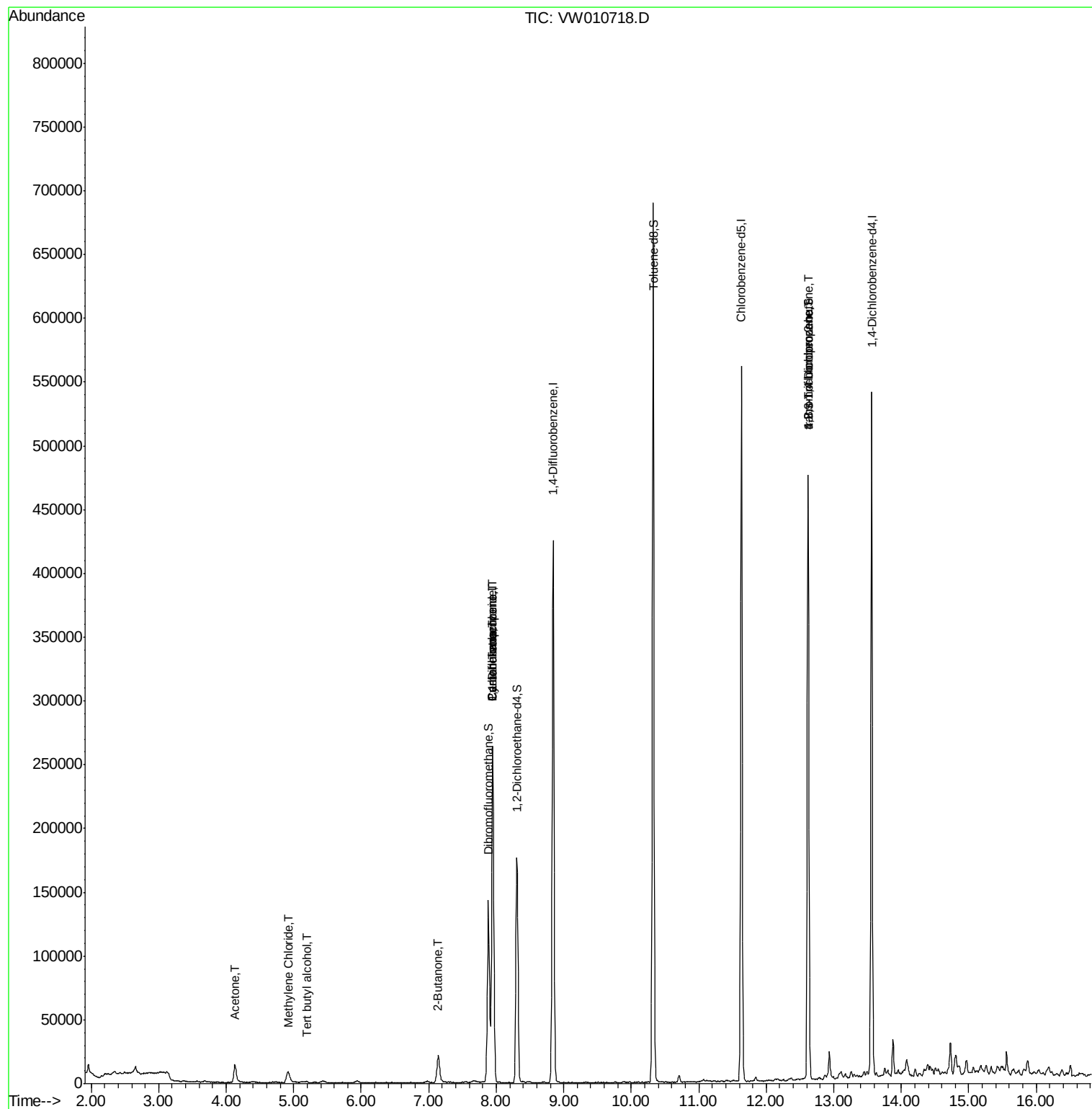
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	470	2.561	ug/l #	72
16) Acetone	4.13	43	25107	41.597	ug/l	99
20) Methylene Chloride	4.91	84	5691	2.688	ug/l	94
25) 2-Butanone	7.15	43	1560	1.864	ug/l #	84
31) Cyclohexane	7.95	56	5192	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17051	5.051	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19287	6.618	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	82813	60.978	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	82813	140.148	ug/l #	5

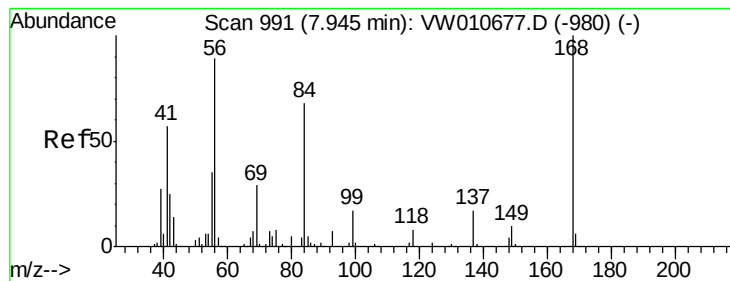
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010718.D

Acq: 06 Jun 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

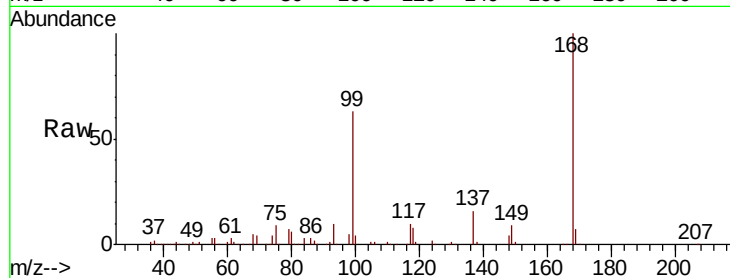
FK-GF-02-042-A

Tot Ion:168 Resp: 191111

Ion Ratio Lower Upper

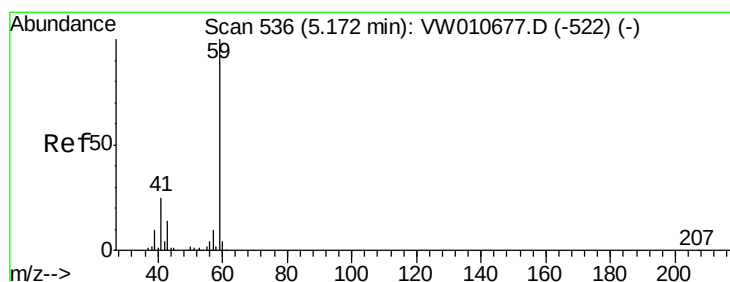
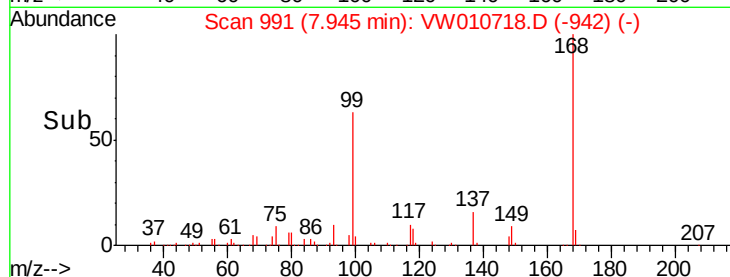
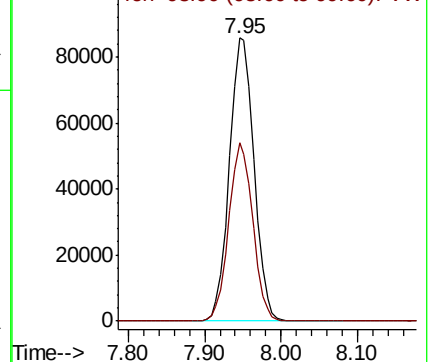
168 100

99 62.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.561 ug/l

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW010718.D

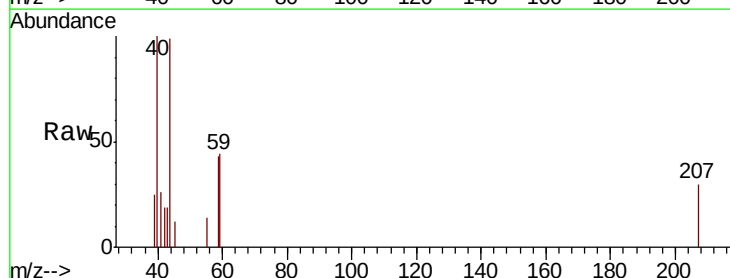
Acq: 06 Jun 2019 19:03

Tgt Ion: 59 Resp: 470

Ion Ratio Lower Upper

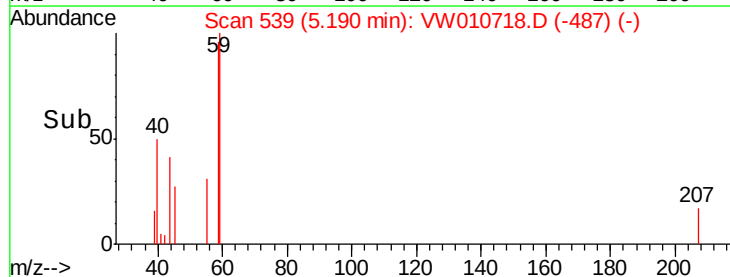
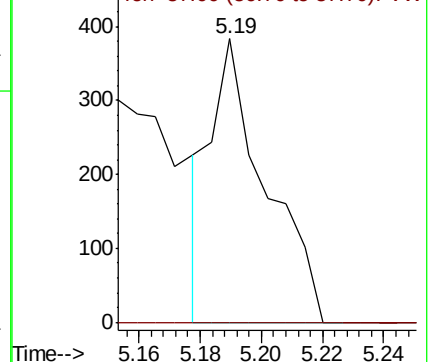
59 100

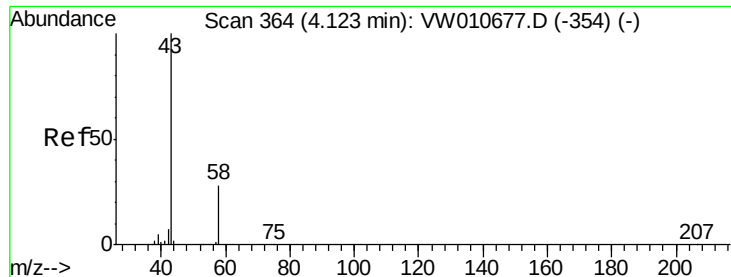
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 41.597 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

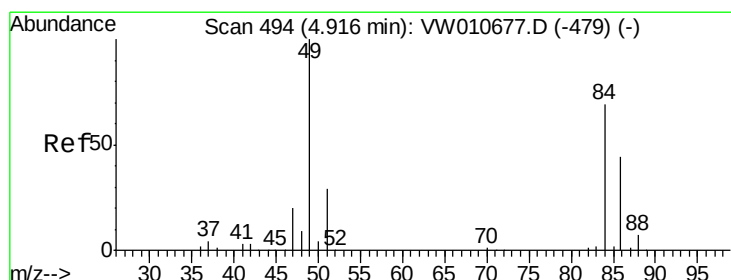
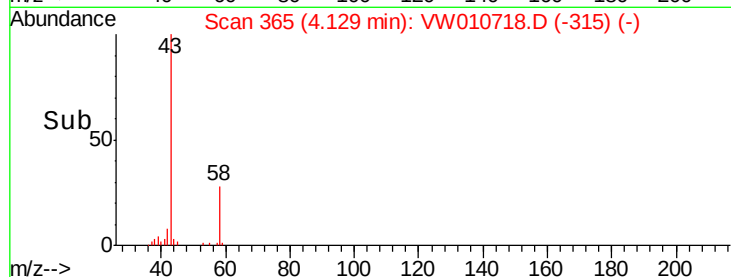
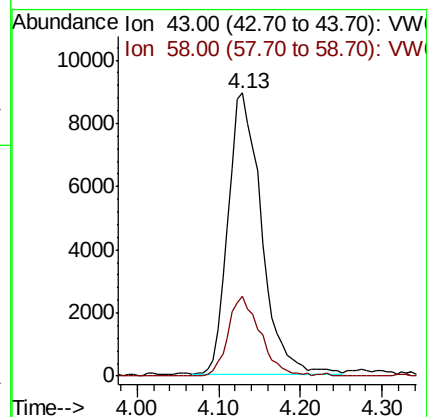
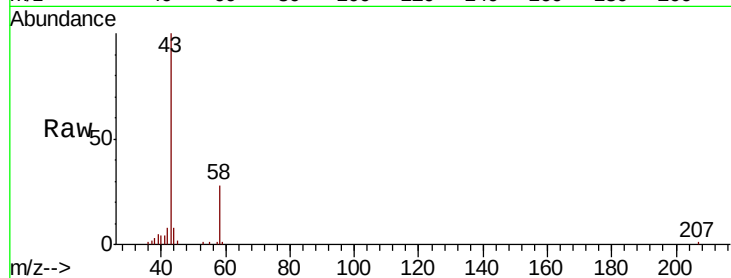
FK-GF-02-042-A

Tot Ion: 43 Resp: 25107

Ion Ratio Lower Upper

43 100

58 28.3 22.1 33.1



#20

Methylene Chloride

Concen: 2.688 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

Tgt Ion: 84 Resp: 5691

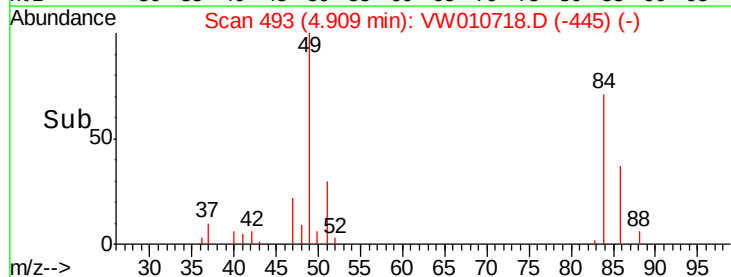
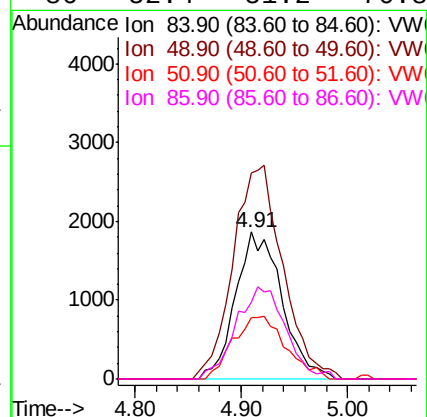
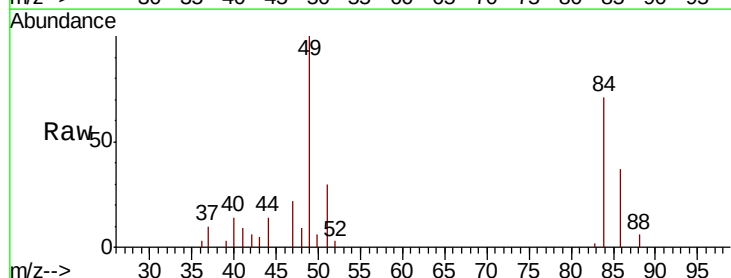
Ion Ratio Lower Upper

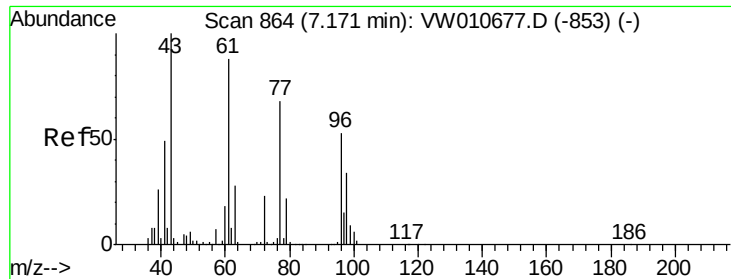
84 100

49 140.7 116.7 175.1

51 42.0 34.2 51.2

86 52.4 51.2 76.8

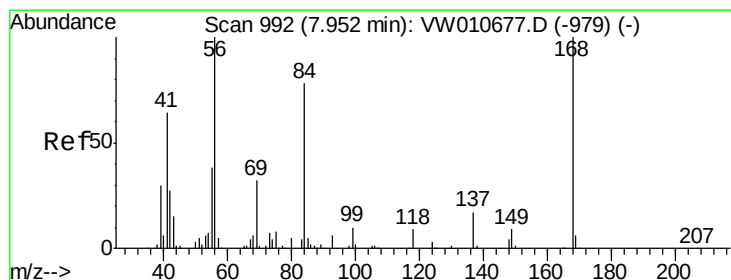
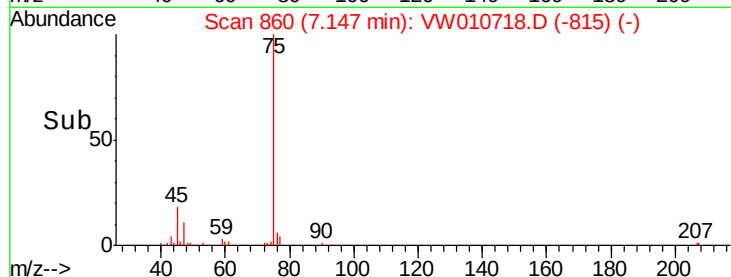
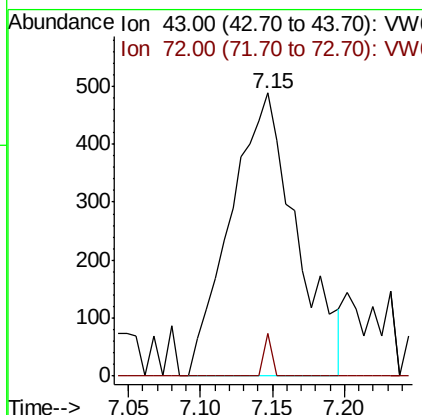
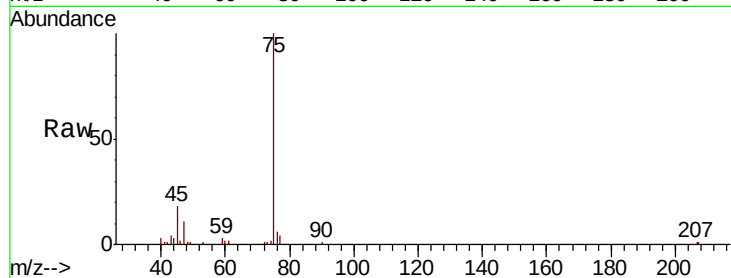




#25
2-Butanone
Concen: 1.864 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW010718.D
Acq: 06 Jun 2019 19:03

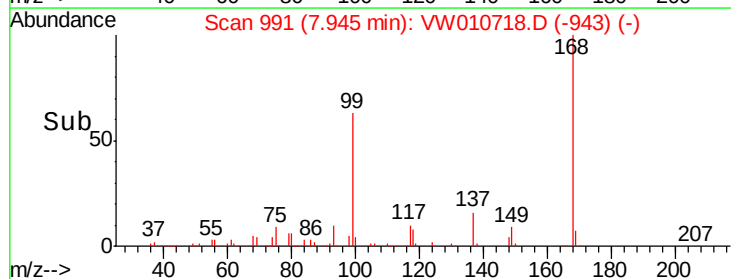
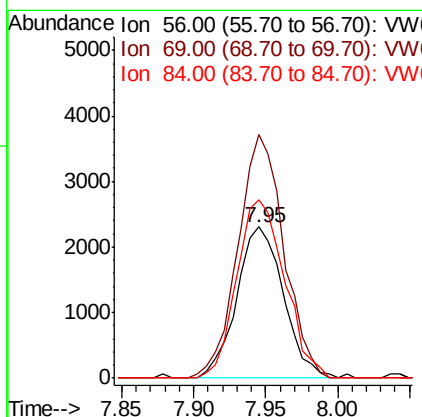
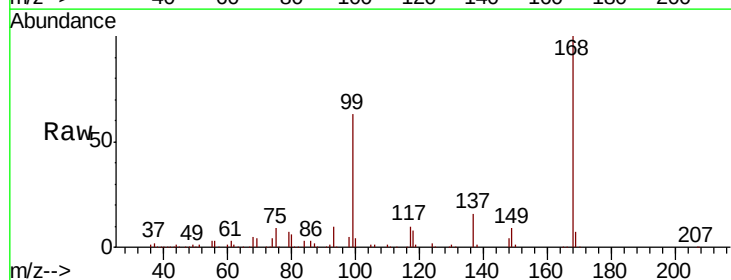
Instrument :
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FK-GF-02-042-A

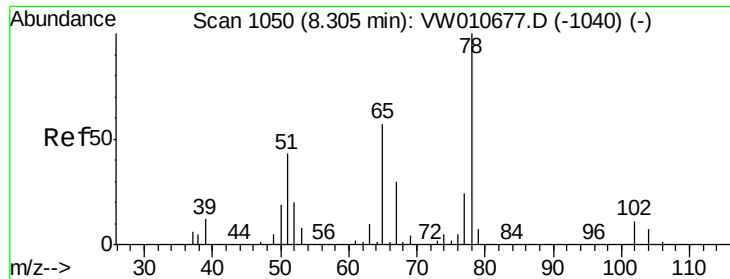
Tot Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
72 15.0 18.1 27.1#



#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010718.D
Acq: 06 Jun 2019 19:03

Tgt Ion: 56 Resp: 5192
Ion Ratio Lower Upper
56 100
69 161.2 25.2 37.8#
84 117.9 62.2 93.2#

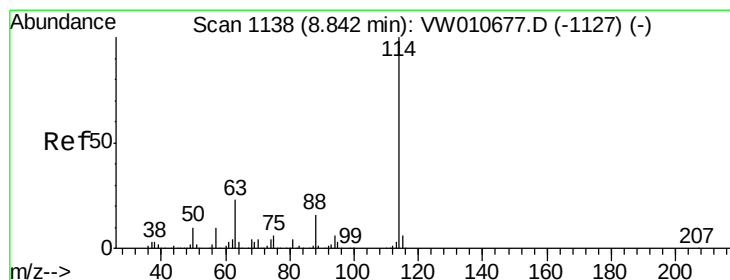
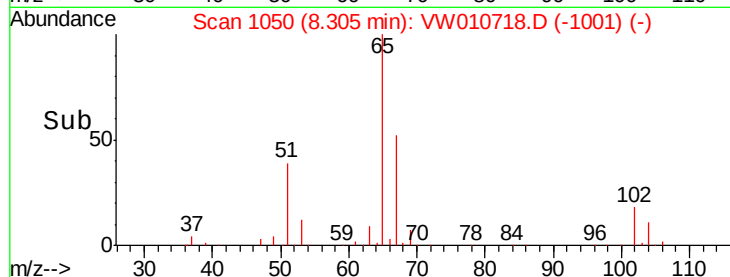
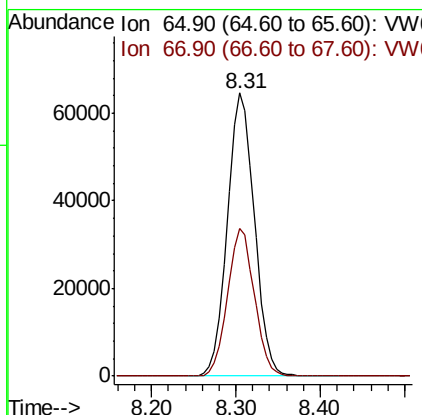
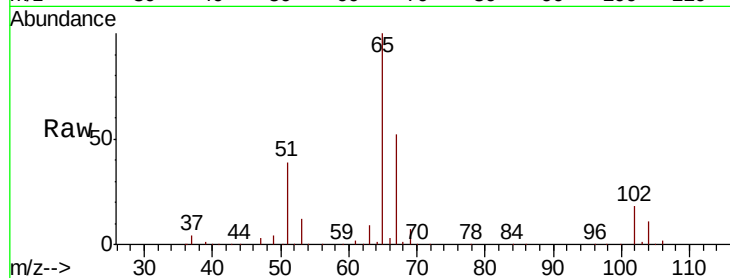




#33
 1,2-Dichloroethane-d4
 Concen: 62.573 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010718.D
 Acq: 06 Jun 2019 19:03

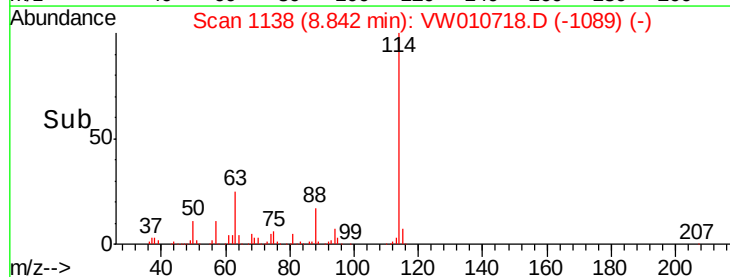
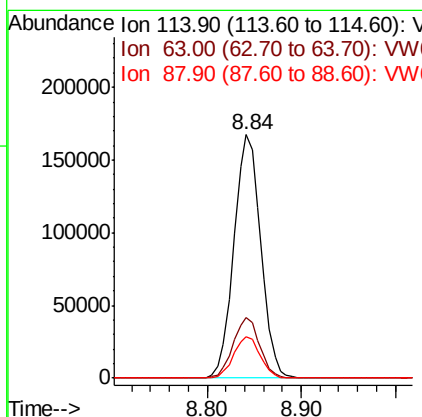
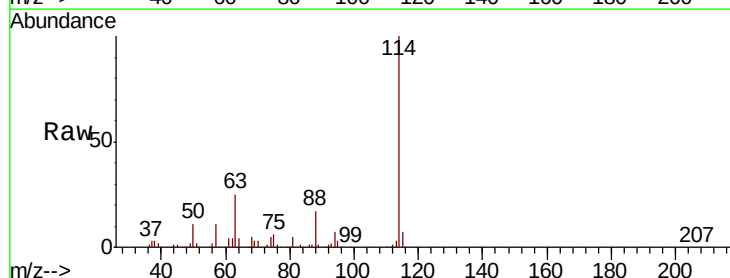
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-042-A

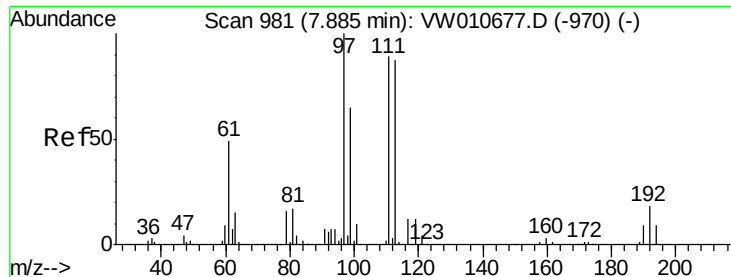
Tot Ion: 65 Resp: 140949
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010718.D
 Acq: 06 Jun 2019 19:03

Tgt Ion: 114 Resp: 329796
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 46.4
 88 17.2 0.0 32.2

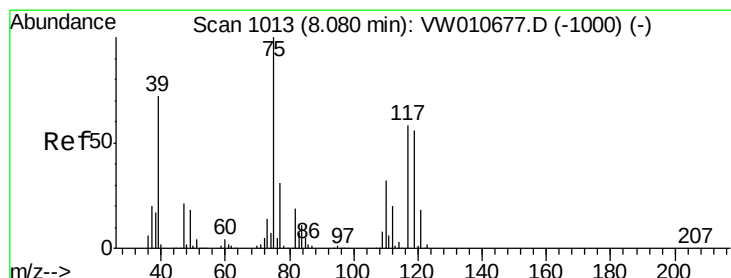
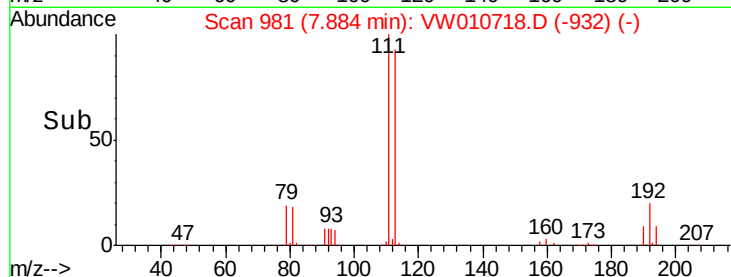
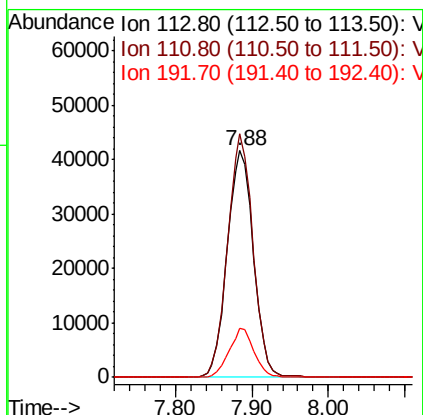
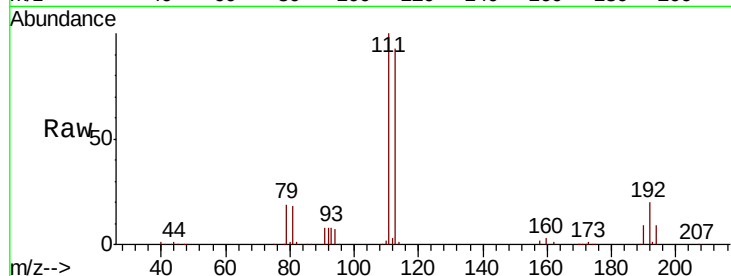




#35
 Dibromofluoromethane
 Concen: 55.145 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010718.D
 Acq: 06 Jun 2019 19:03

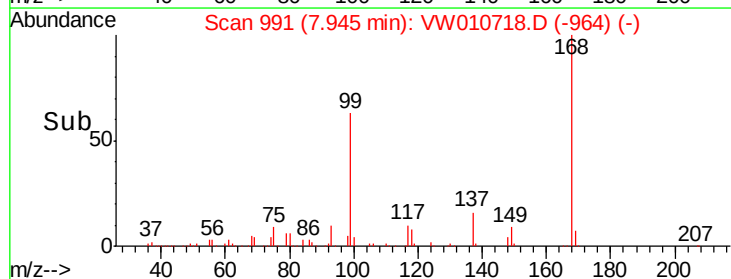
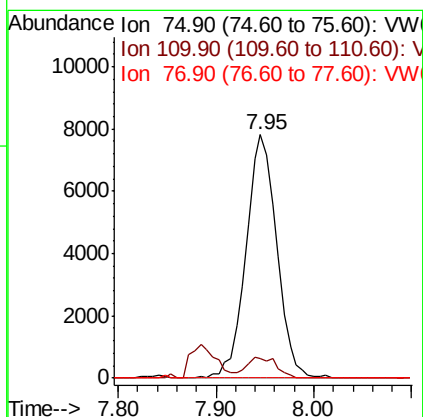
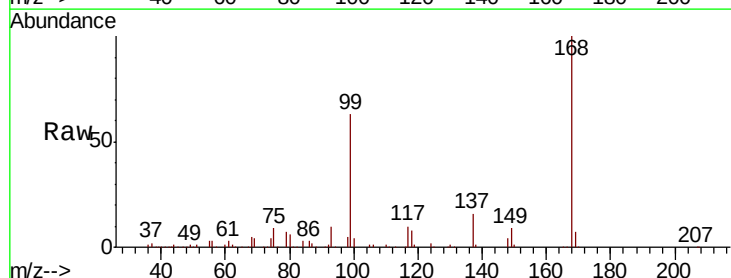
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-042-A

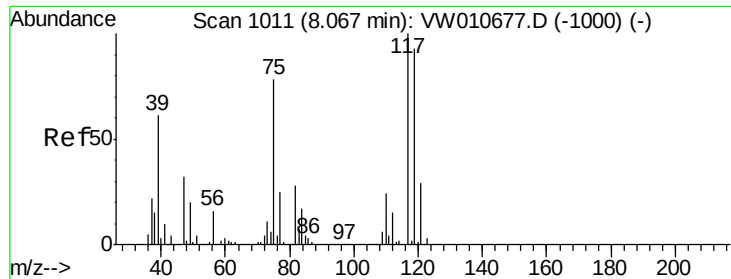
Tot Ion:113 Resp: 98714
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.6 123.8
 192 20.3 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010718.D
 Acq: 06 Jun 2019 19:03

Tgt Ion: 75 Resp: 17051
 Ion Ratio Lower Upper
 75 100
 110 8.0 15.8 47.3#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-042-A

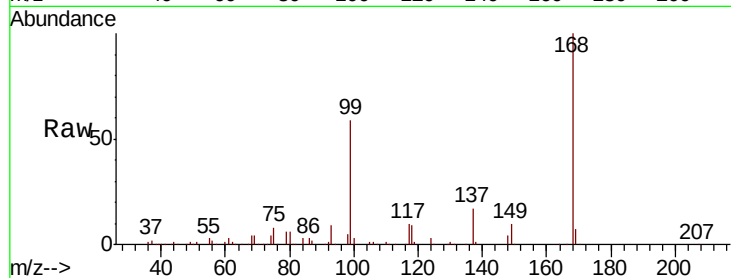
Tot Ion:117 Resp: 19287

Ion Ratio Lower Upper

117 100

119 5.3 74.2 111.4#

121 0.0 22.9 34.3#

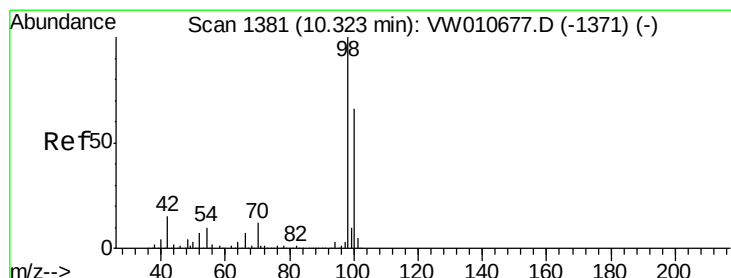
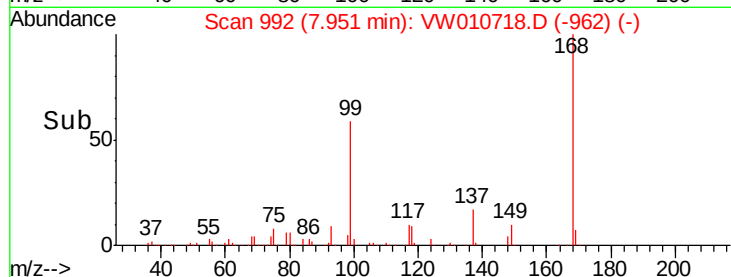
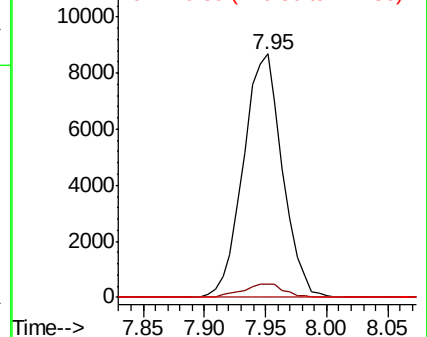


Abundance

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: 54.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010718.D

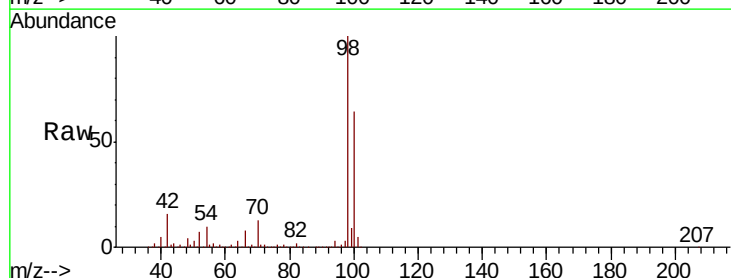
Acq: 06 Jun 2019 19:03

Tgt Ion: 98 Resp: 428400

Ion Ratio Lower Upper

98 100

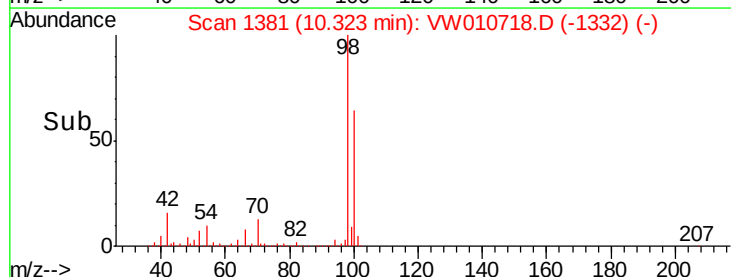
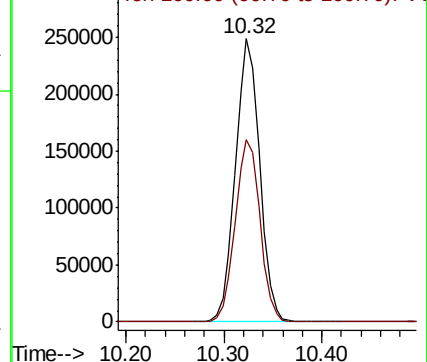
100 65.8 53.0 79.6

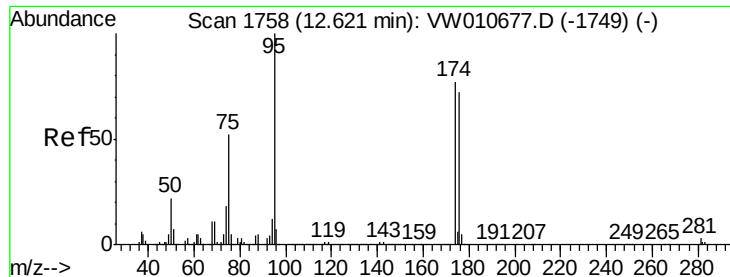


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 53.776 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

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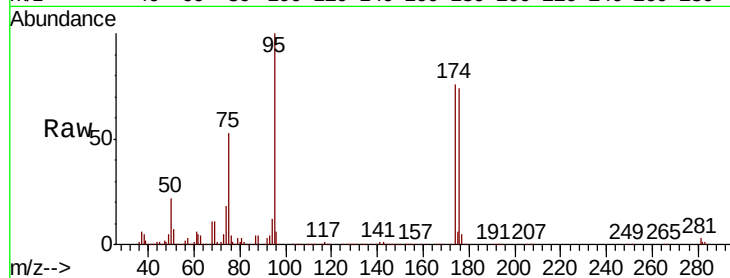
Tot Ion: 95 Resp: 153604

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

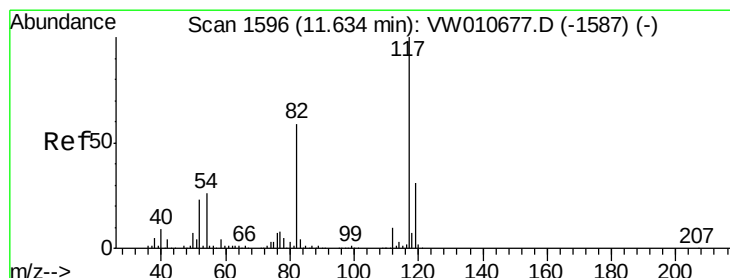
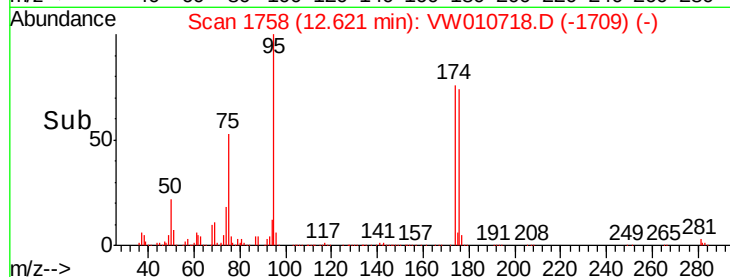
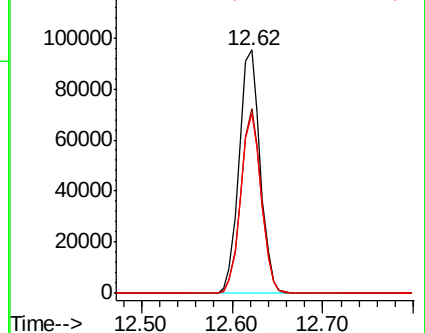
176 71.7 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

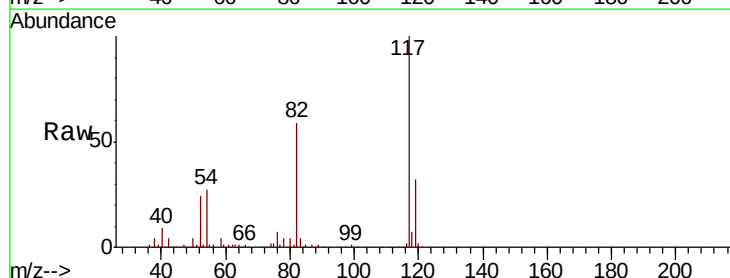
Tgt Ion: 117 Resp: 290389

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.4

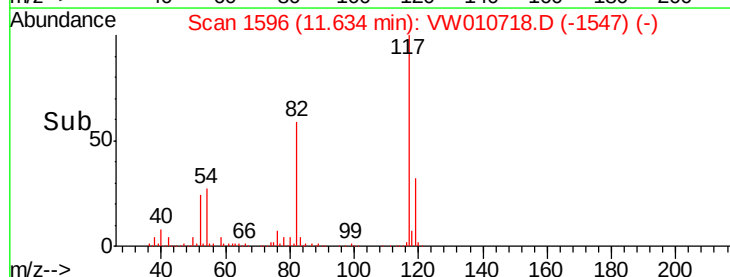
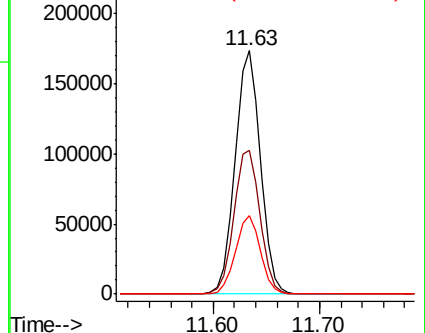
119 32.1 25.1 37.7

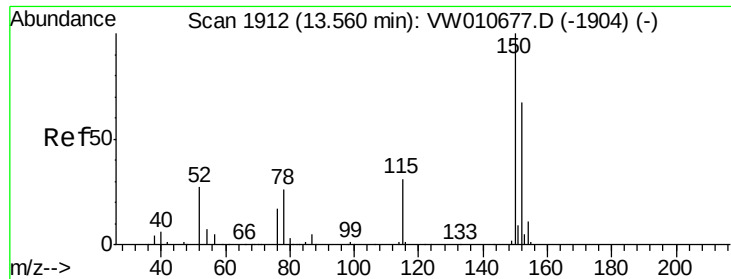


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-042-A

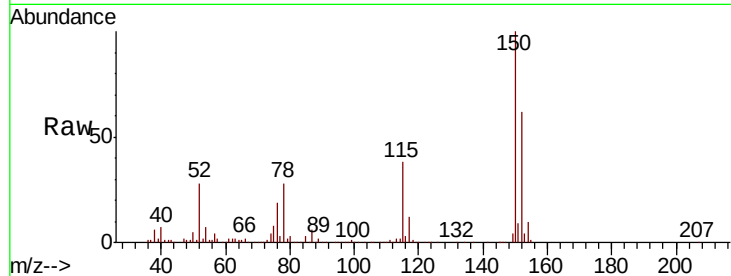
Tot Ion:152 Resp: 129324

Ion Ratio Lower Upper

152 100

115 60.8 29.8 89.3

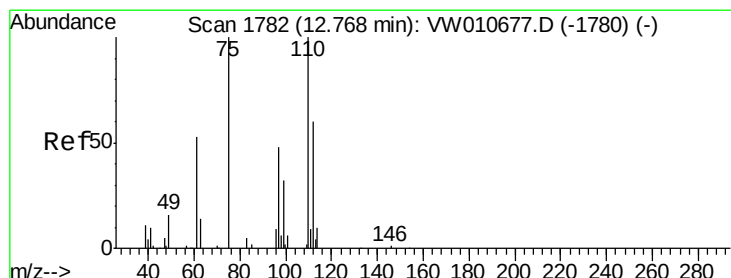
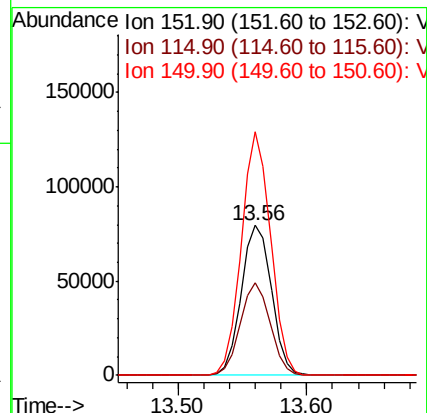
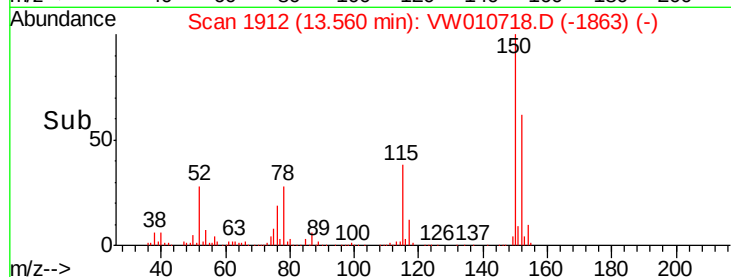
150 156.7 0.0 345.0



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: 60.978 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010718.D

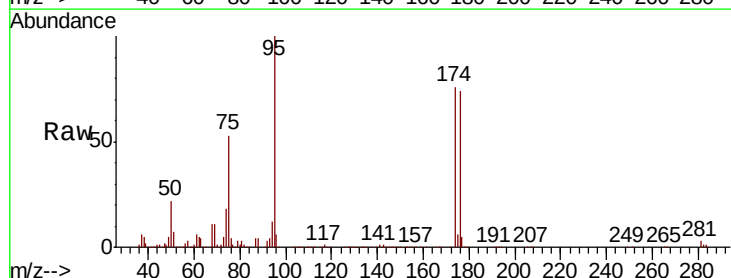
Acq: 06 Jun 2019 19:03

Tgt Ion: 75 Resp: 82813

Ion Ratio Lower Upper

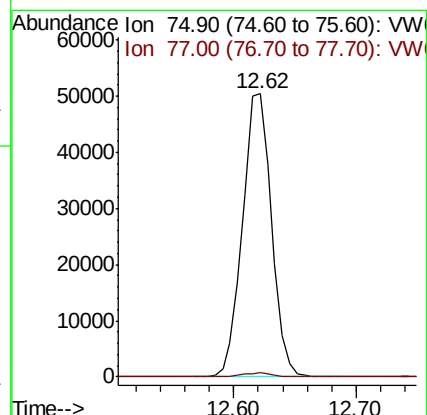
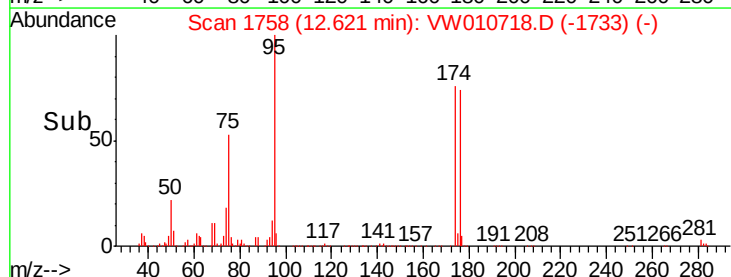
75 100

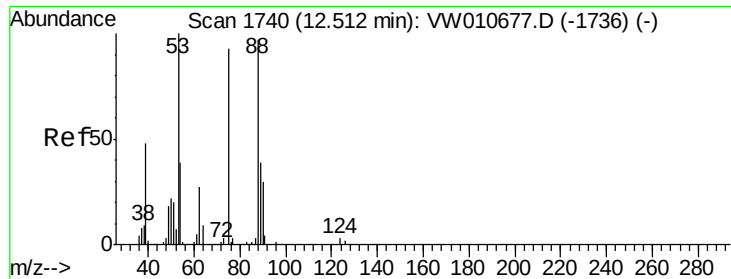
77 1.6 0.0 0.0#



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: 140.148 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010718.D

Acq: 06 Jun 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-042-A

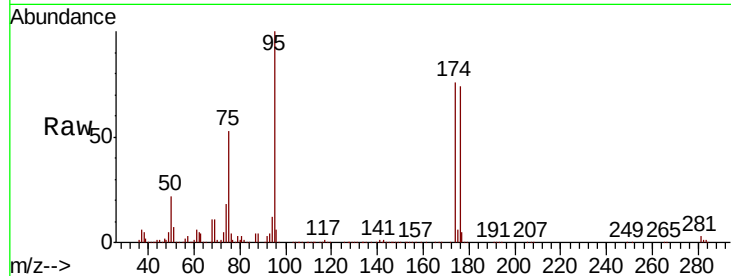
Tot Ion: 75 Resp: 82813

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 34.6 52.0#



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

