

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091619\
 Data File : VW013052.D
 Acq On : 16 Sep 2019 19:51
 Operator : SY/VA
 Sample : K4736-04
 Misc : 3.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-045-B

Quant Time: Sep 17 07:23:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	311977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167495	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	156551	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
35) Dibromofluoromethane	7.88	113	133205	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	10.32	98	575049	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
62) 4-Bromofluorobenzene	12.62	95	197965	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	

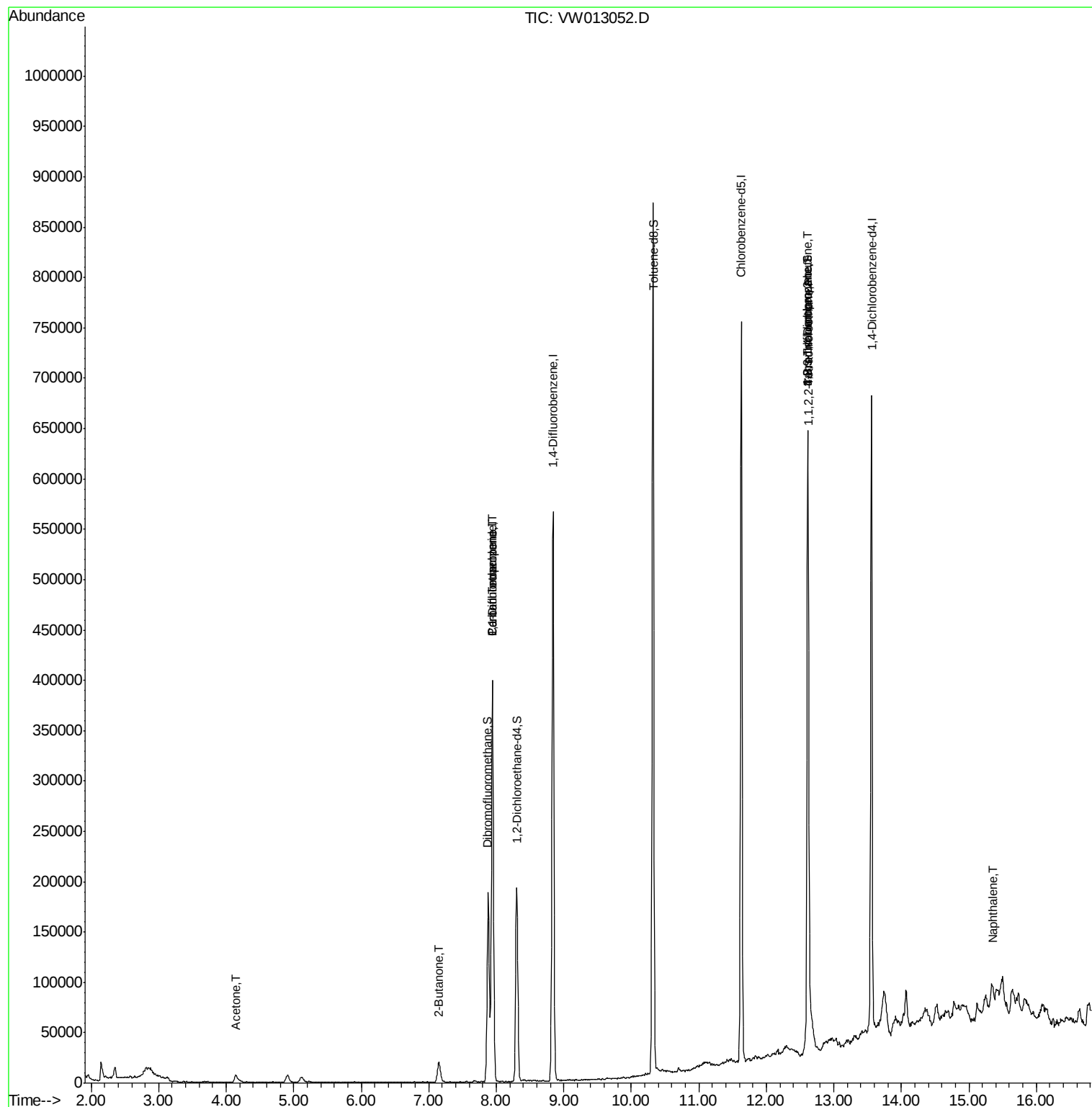
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	45	Below Cal	#	44
3) Chloromethane	2.22	50	111	Below Cal	#	78
11) Tert butyl alcohol	5.11	59	2837	Below Cal	#	80
13) Acrolein	3.87	56	20	Below Cal	#	15
16) Acetone	4.14	43	15408	5.528	ug/l	95
20) Methylene Chloride	4.90	84	5857	Below Cal		91
25) 2-Butanone	7.15	43	920	1.004	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	1531	Below Cal	#	55
31) Cyclohexane	7.94	56	6370	Below Cal	#	9
36) 1,1-Dichloropropene	7.94	75	22827	6.025	ug/l #	50
38) Carbon Tetrachloride	7.95	117	28896	7.442	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.63	83	14245	7.305	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	94621	64.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	94621	146.304	ug/l #	8
95) Naphthalene	15.36	128	7302	1.376	ug/l #	42

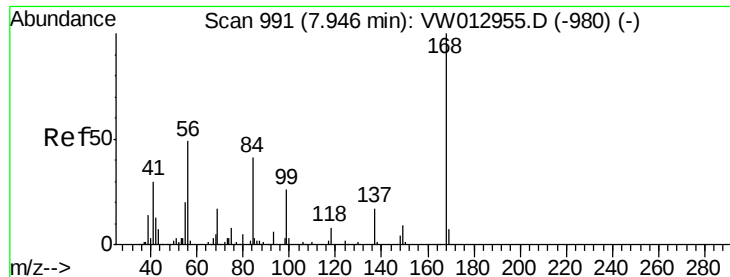
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

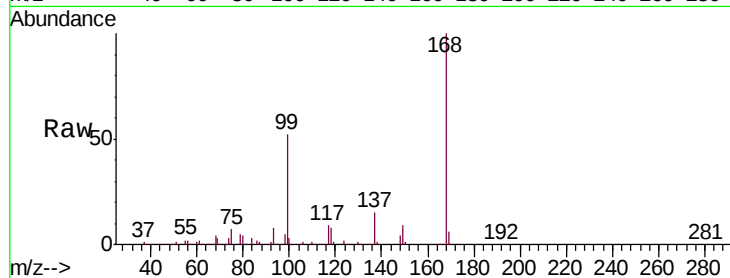
FK-GF-02-045-B

Tgt Ion:168 Resp: 311977

Ion Ratio Lower Upper

168 100

99 52.5 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

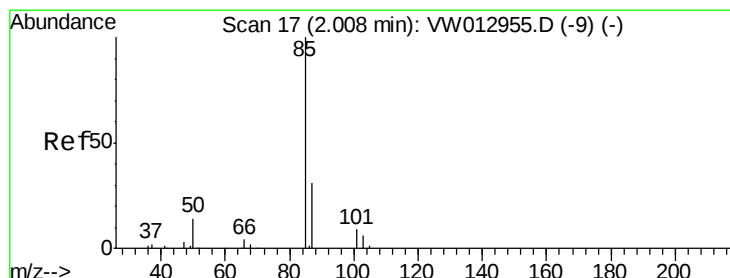
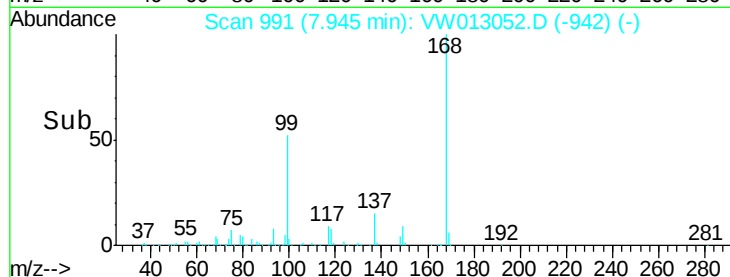
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013052.D

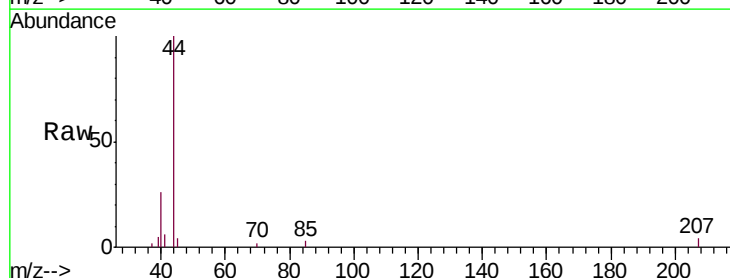
Acq: 16 Sep 2019 19:51

Tgt Ion: 85 Resp: 45

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

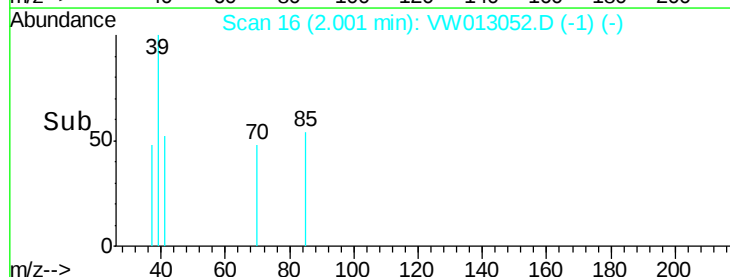
60

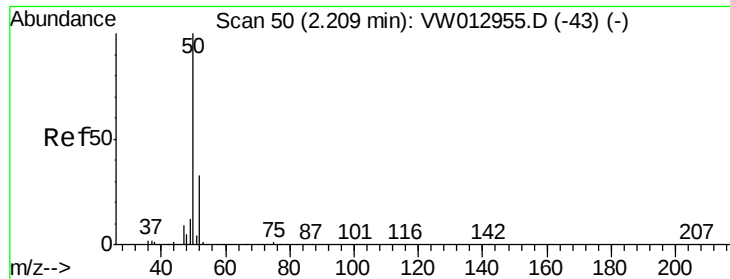
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

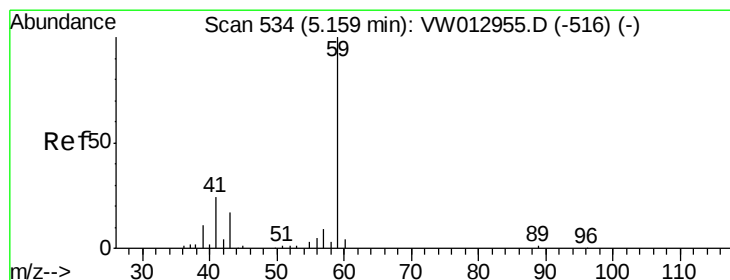
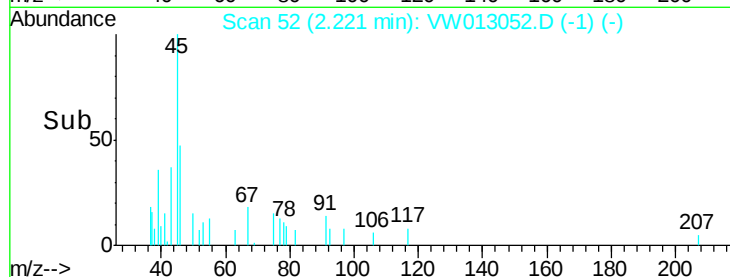
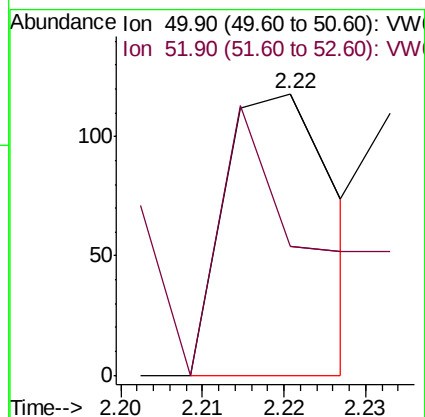
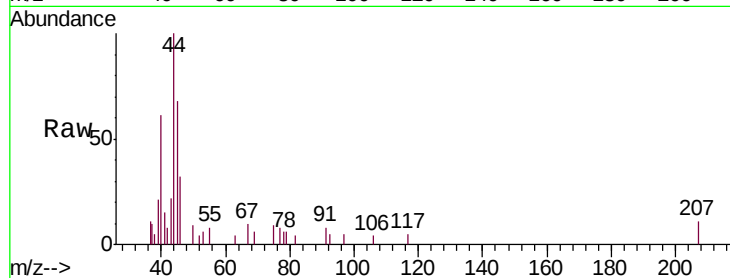
FK-GF-02-045-B

Tgt Ion: 50 Resp: 111

Ion Ratio Lower Upper

50 100

52 45.8 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013052.D

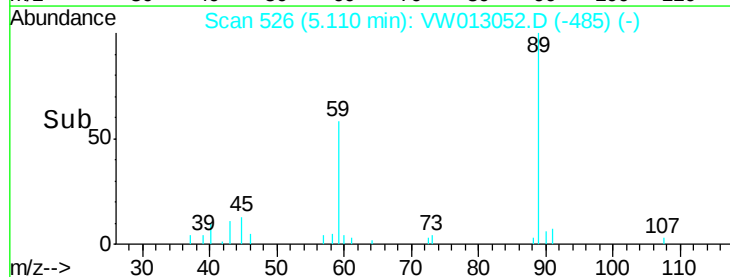
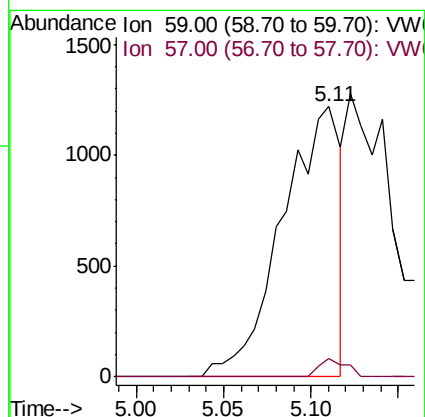
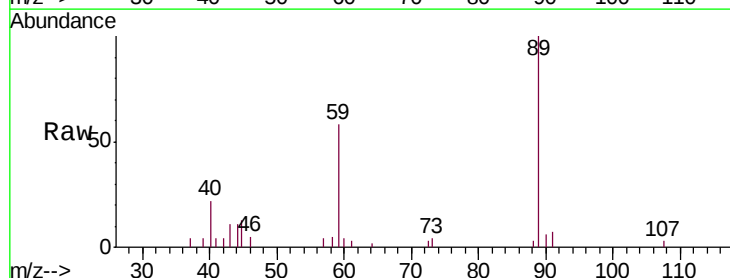
Acq: 16 Sep 2019 19:51

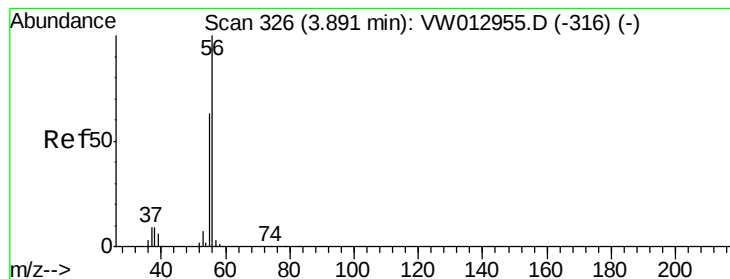
Tgt Ion: 59 Resp: 2837

Ion Ratio Lower Upper

59 100

57 3.1 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.87 min Scan# 322

Delta R.T. -0.02 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

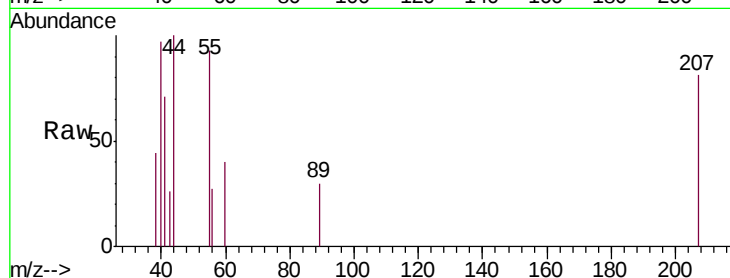
FK-GF-02-045-B

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

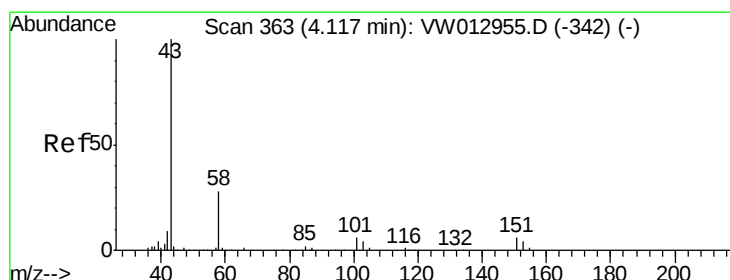
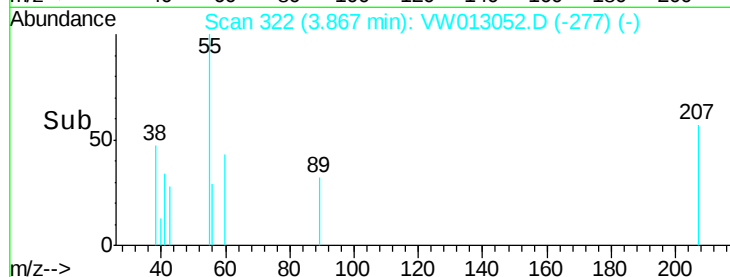
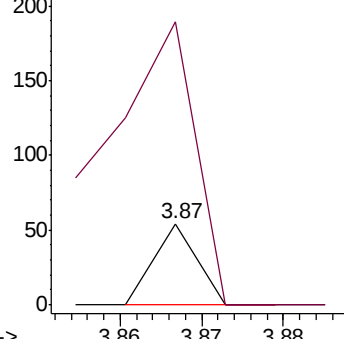
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 5.528 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.03 min

Lab File: VW013052.D

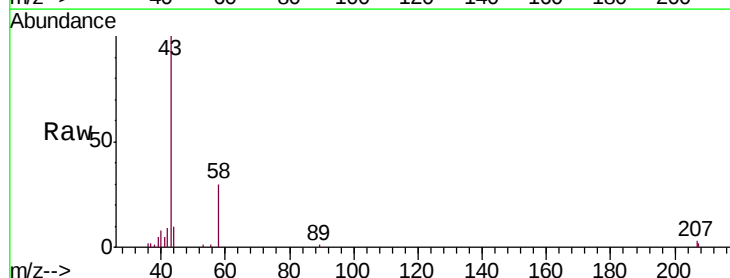
Acq: 16 Sep 2019 19:51

Tgt Ion: 43 Resp: 15408

Ion Ratio Lower Upper

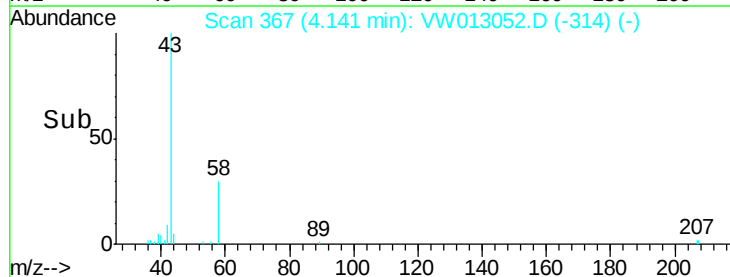
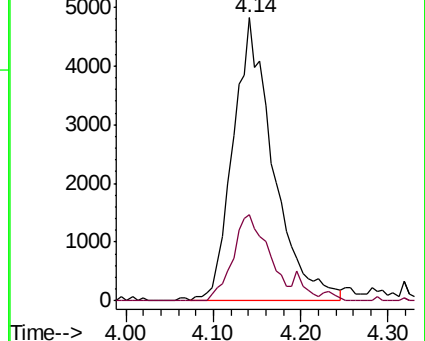
43 100

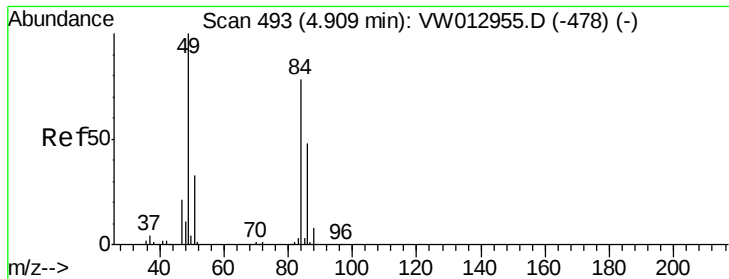
58 30.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-045-B

Tgt Ion: 84 Resp: 5857

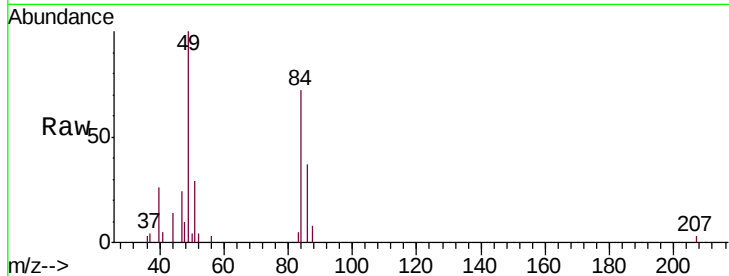
Ion Ratio Lower Upper

84 100

49 138.1 102.0 153.0

51 40.5 34.0 51.0

86 50.6 48.5 72.7

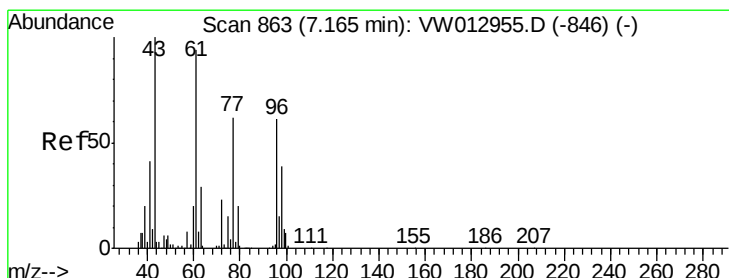
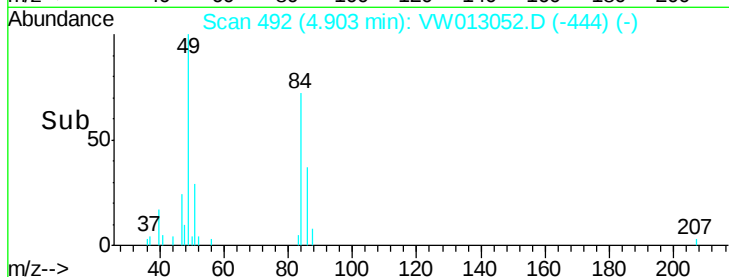
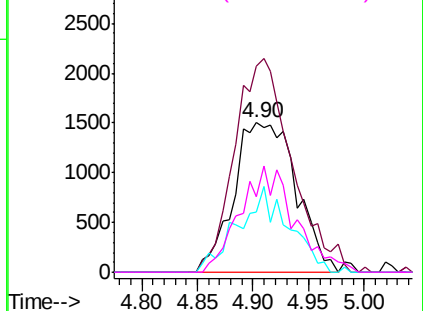


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 1.004 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013052.D

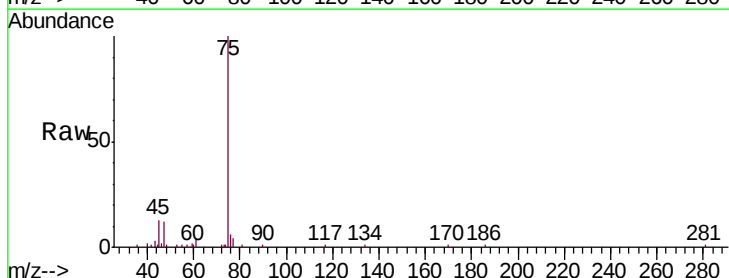
Acq: 16 Sep 2019 19:51

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

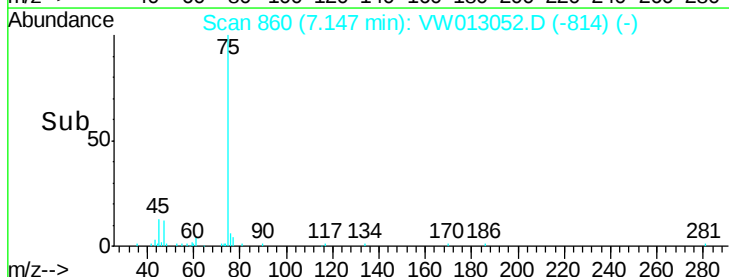
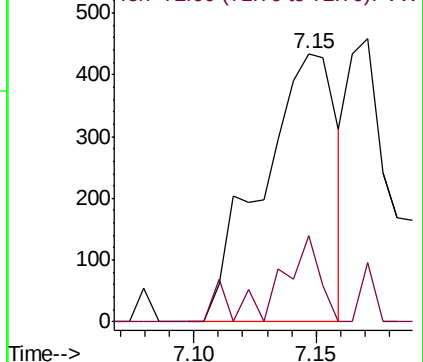
43 100

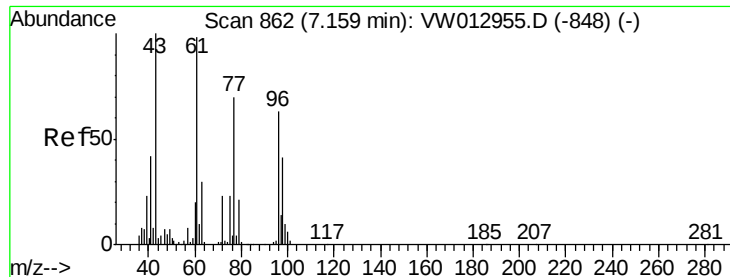
72 32.3 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

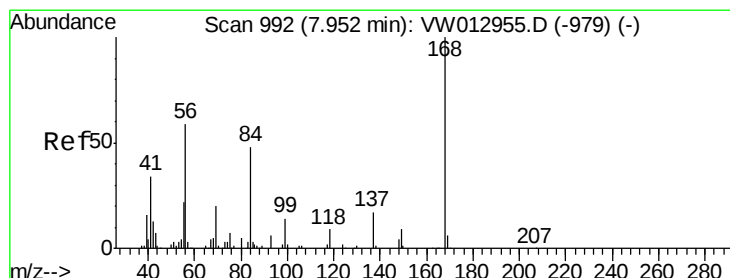
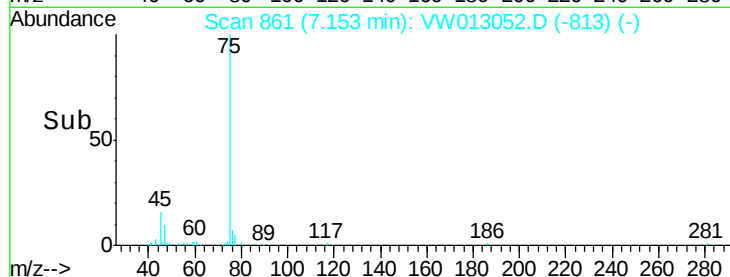
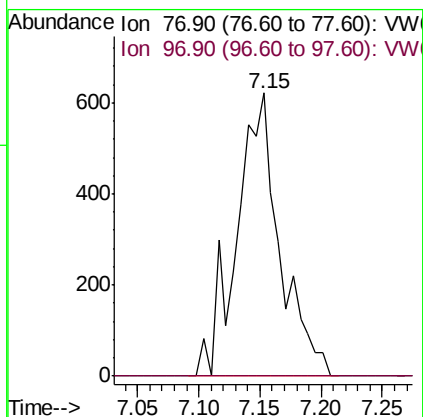
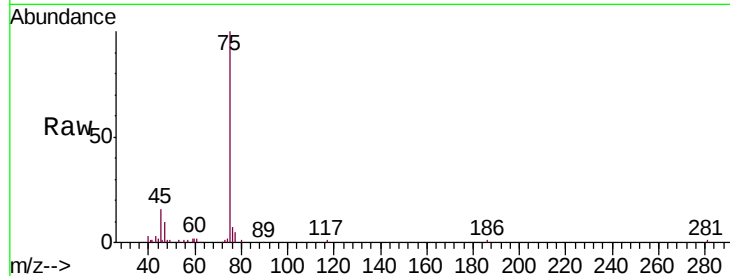




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

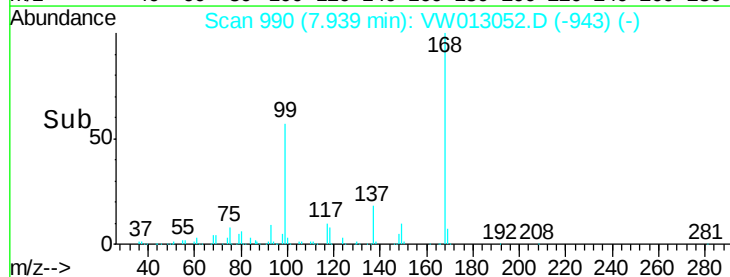
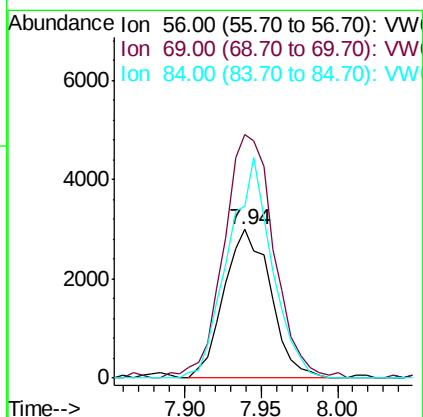
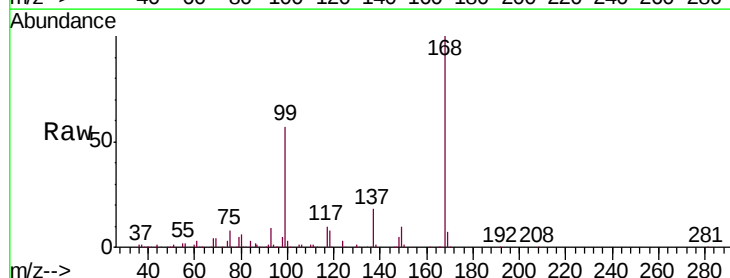
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-045-B

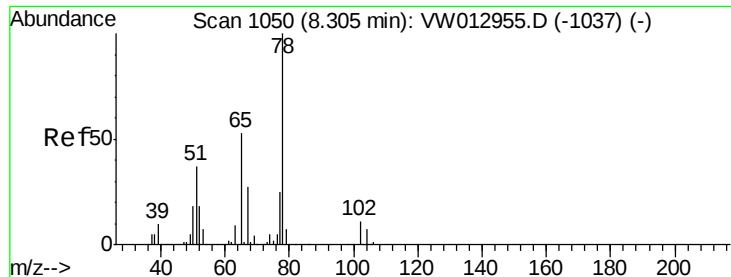
Tgt Ion: 77 Resp: 1531
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

Tgt Ion: 56 Resp: 6370
Ion Ratio Lower Upper
56 100
69 160.7 27.0 40.6#
84 116.2 66.2 99.2#

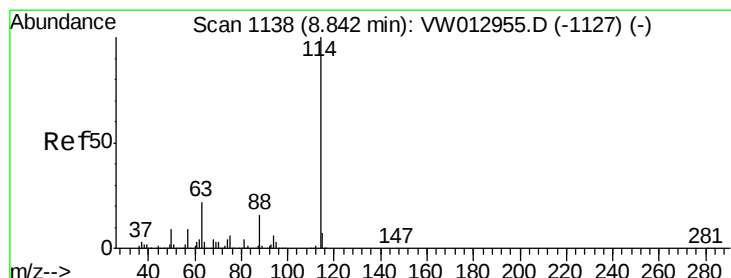
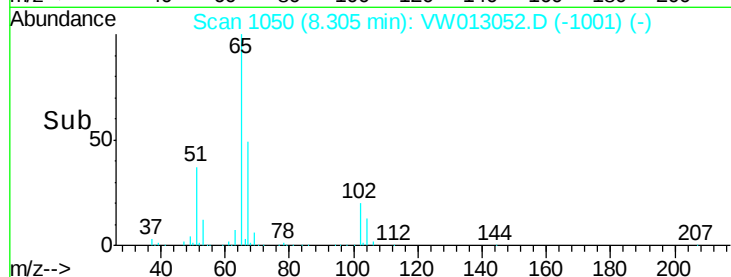
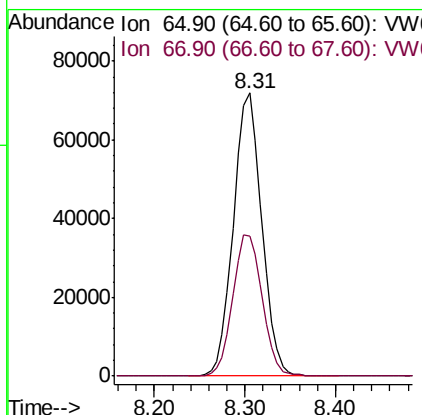
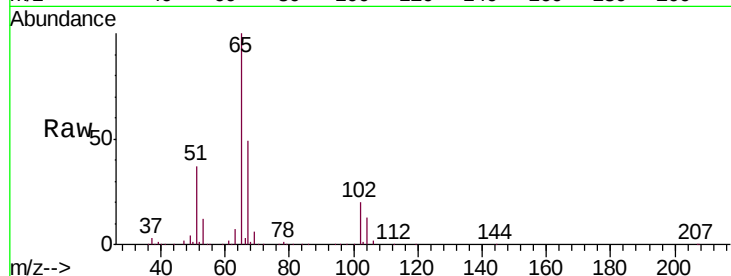




#33
 1,2-Dichloroethane-d4
 Concen: 54.333 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013052.D
 Acq: 16 Sep 2019 19:51

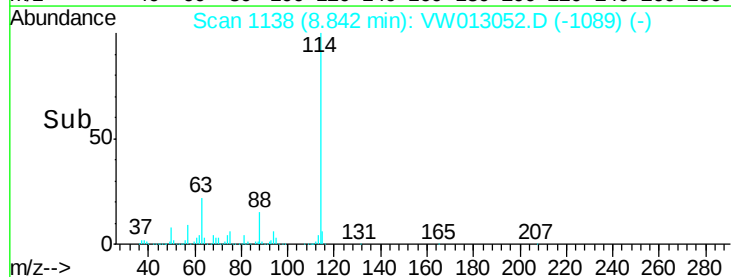
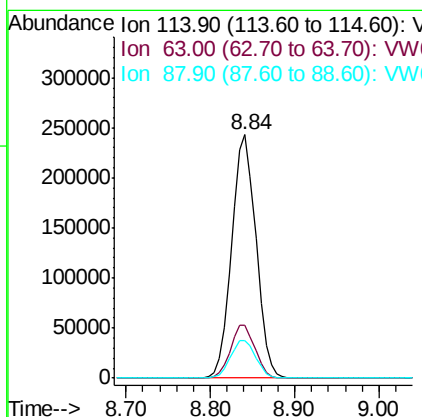
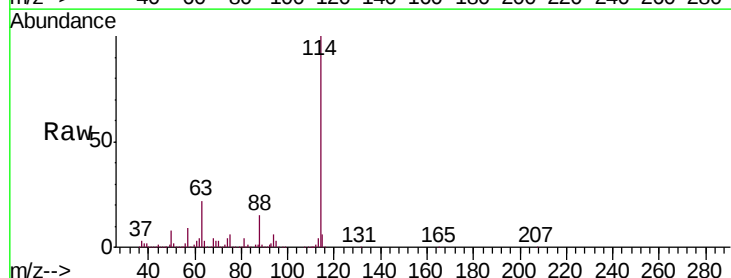
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-045-B

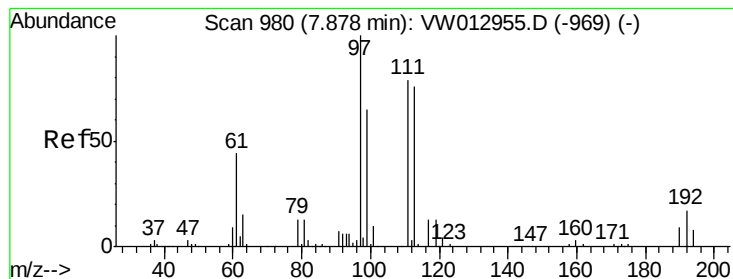
Tgt Ion: 65 Resp: 156551
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013052.D
 Acq: 16 Sep 2019 19:51

Tgt Ion: 114 Resp: 474166
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.4
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.773 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-045-B

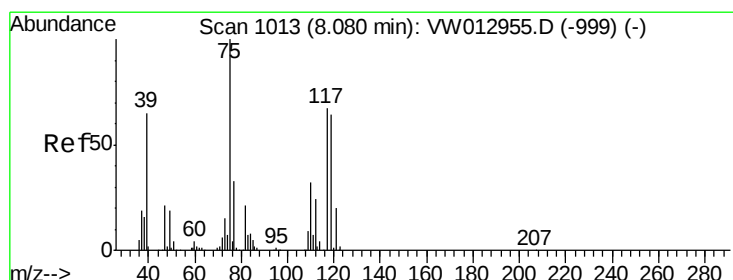
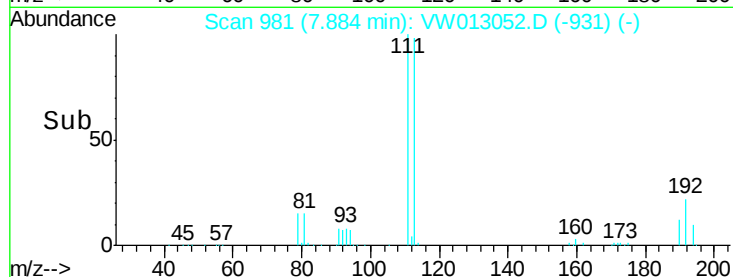
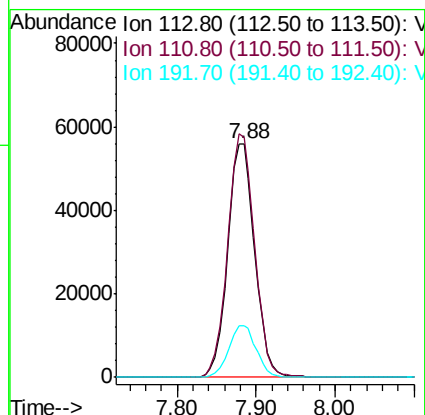
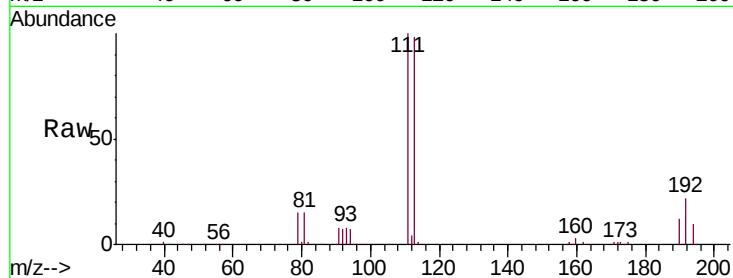
Tgt Ion:113 Resp: 133205

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 22.6 17.8 26.8



#36

1,1-Dichloropropene

Concen: 6.025 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

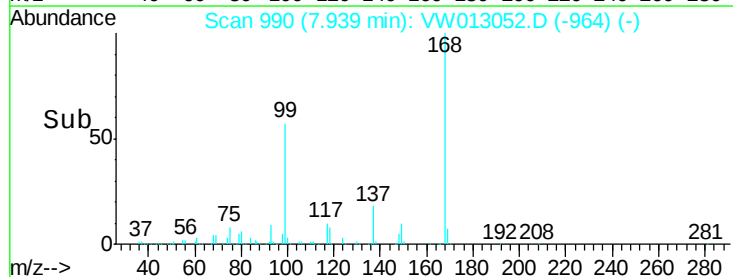
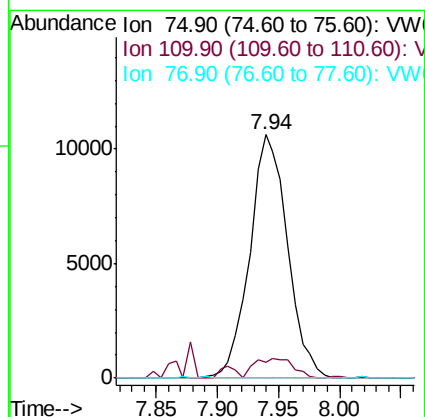
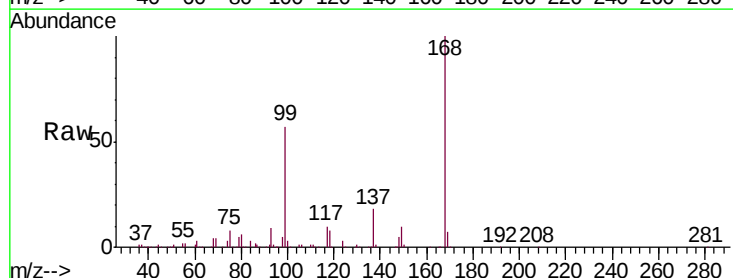
Tgt Ion: 75 Resp: 22827

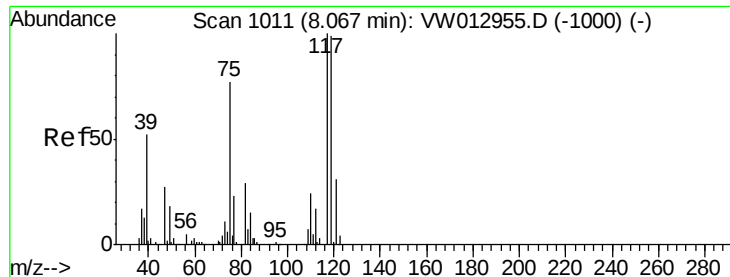
Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 25.1 37.7#

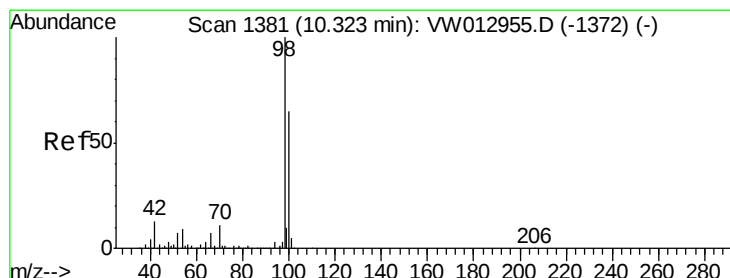
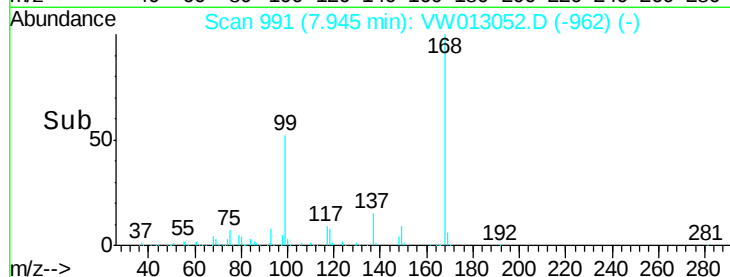
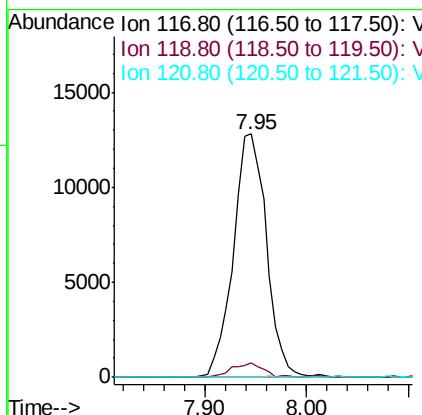
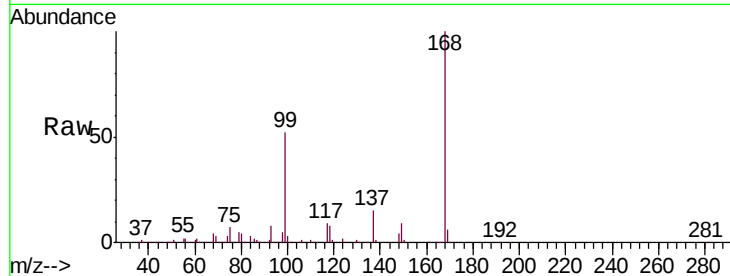




#38
Carbon Tetrachloride
Concen: 7.442 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

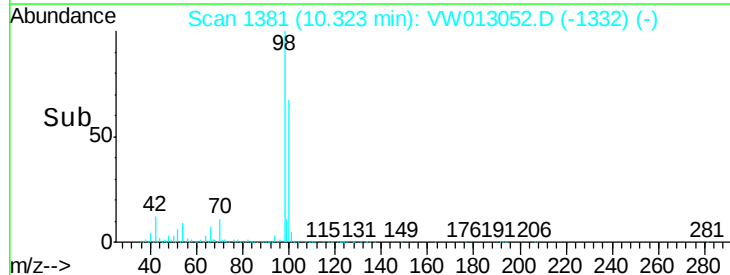
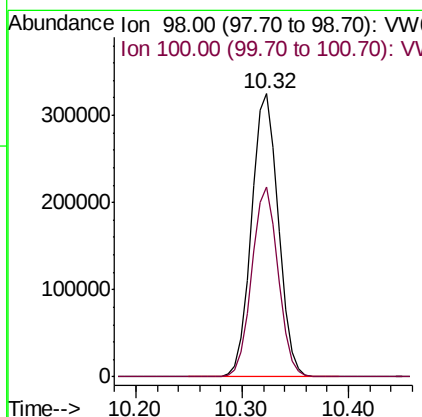
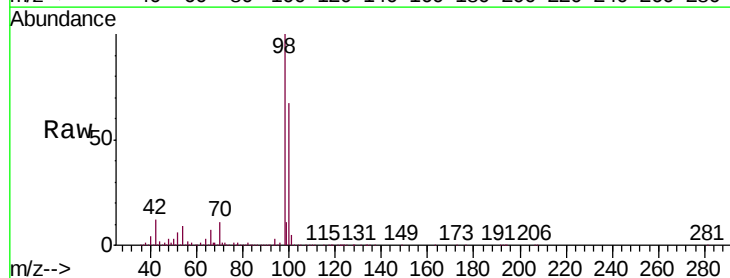
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-045-B

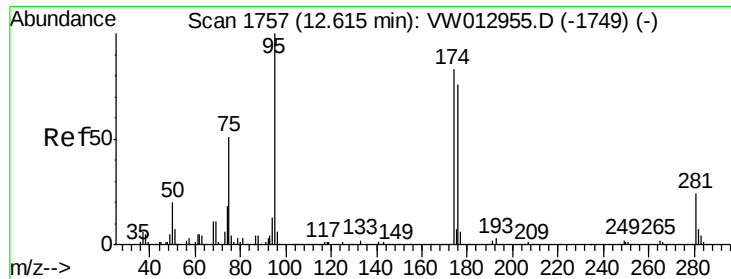
Tgt Ion:117 Resp: 28896
Ion Ratio Lower Upper
117 100
119 5.9 79.4 119.0#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 57.117 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

Tgt Ion: 98 Resp: 575049
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1

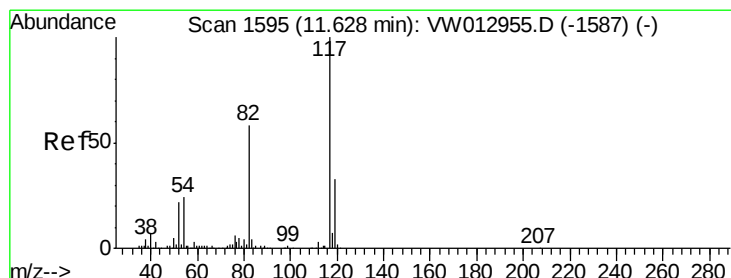
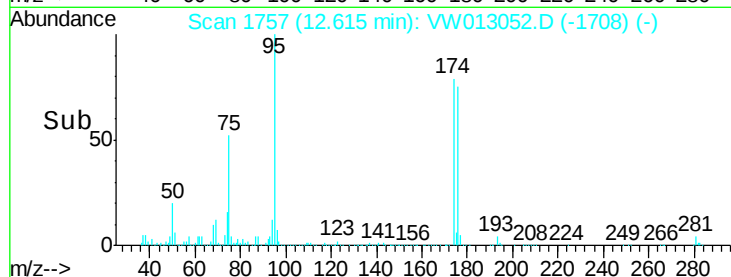
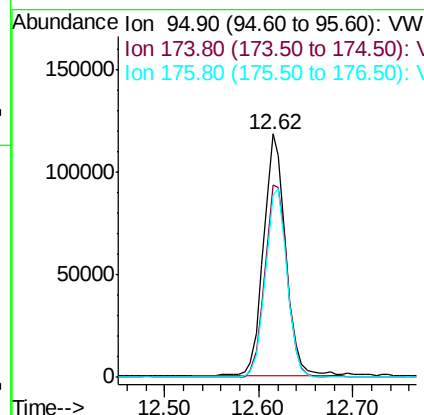
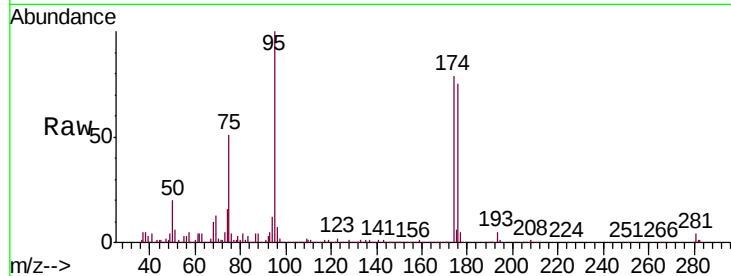




#62
4-Bromofluorobenzene
Concen: 54.683 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

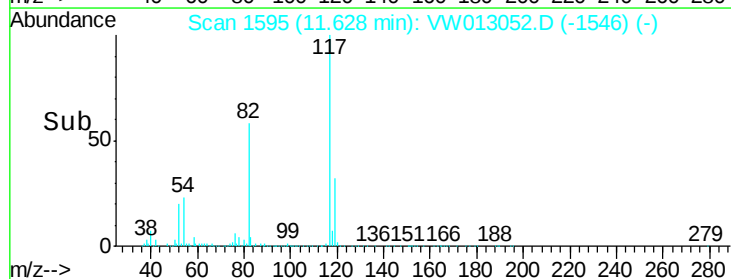
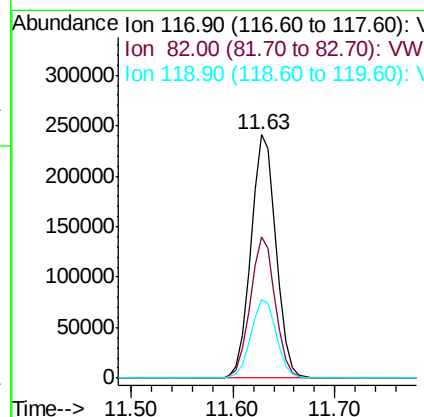
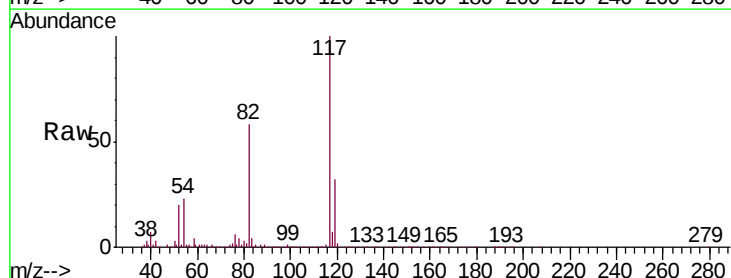
Instrument :
MSVOA_W
ClientSampleId :
FK-GF-02-045-B

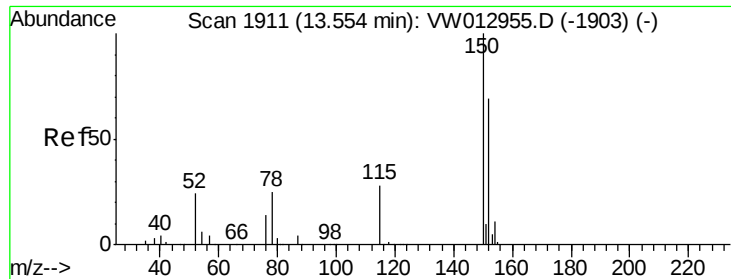
Tgt Ion	Ratio	Resp	Lower	Upper
95	100	197965		
174	79.8	0.0	170.4	
176	75.7	0.0	164.6	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013052.D
Acq: 16 Sep 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	412529		
82	58.0	46.3	69.5	
119	32.2	26.2	39.4	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.01 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-045-B

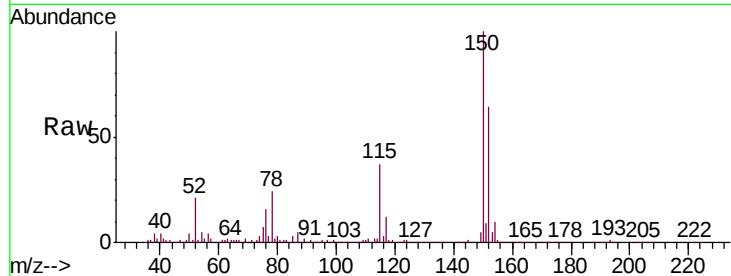
Tgt Ion: 152 Resp: 167495

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.4

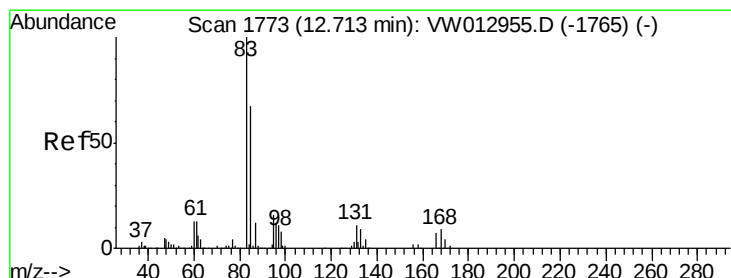
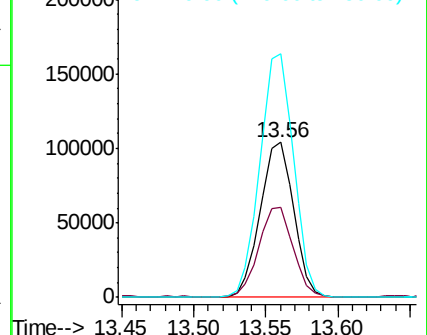
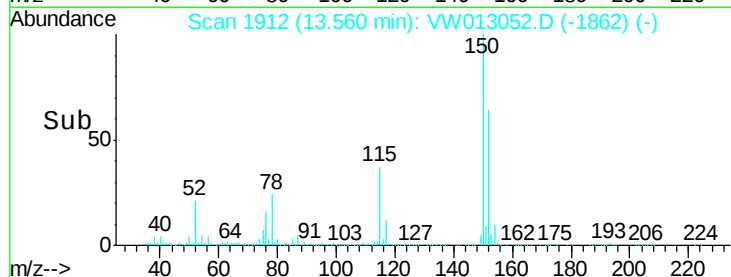
150 157.4 0.0 340.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 7.305 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.09 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

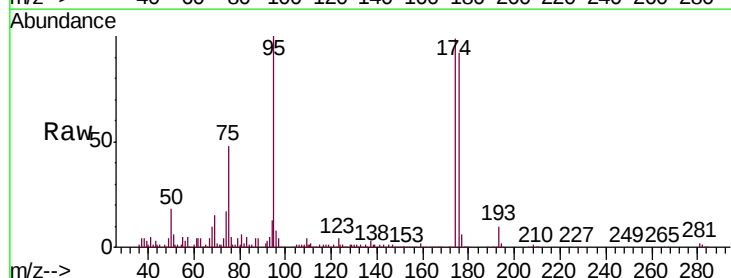
Tgt Ion: 83 Resp: 14245

Ion Ratio Lower Upper

83 100

131 3.9 5.7 17.1#

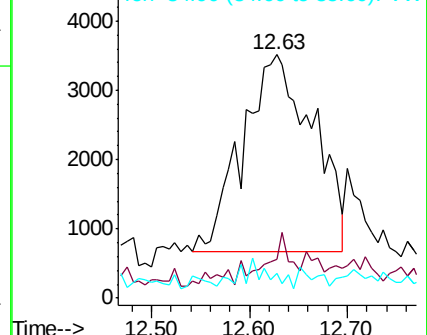
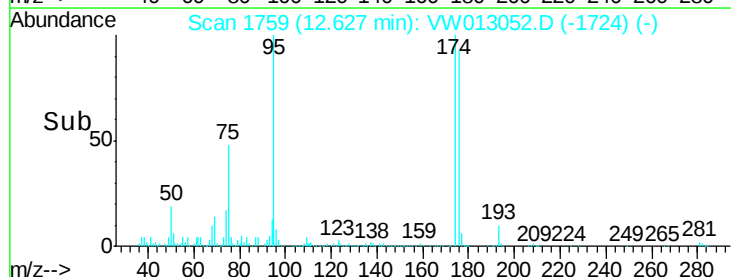
85 0.0 31.4 94.3#

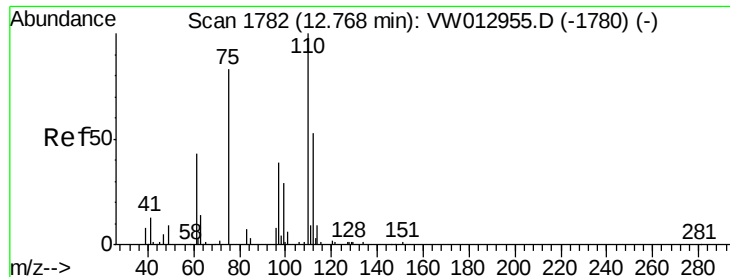


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

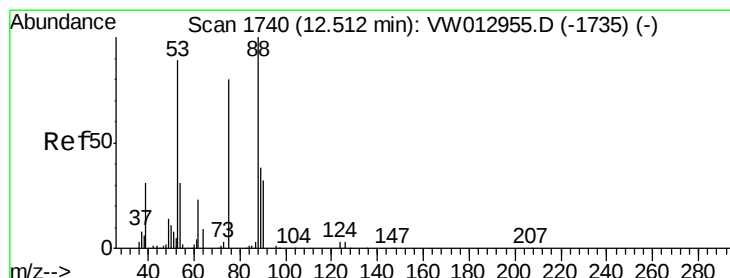
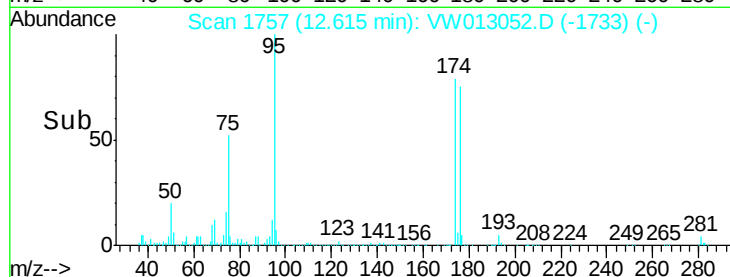
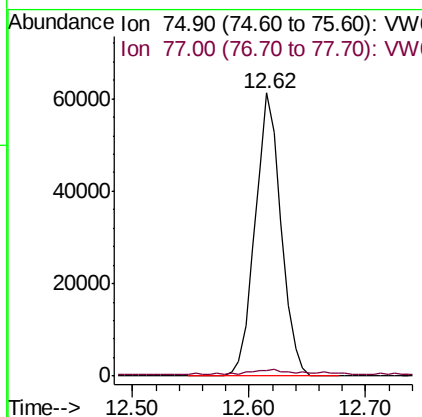
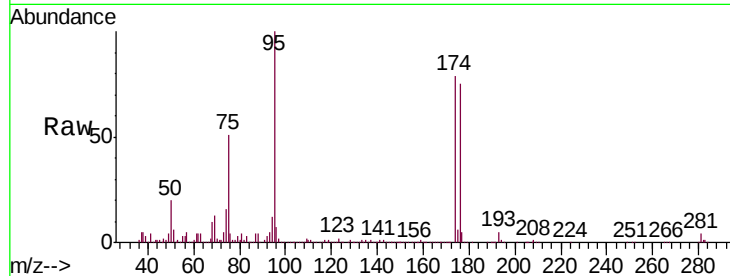




#76
 1,2,3-Trichloropropane
 Concen: 64.494 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013052.D
 Acq: 16 Sep 2019 19:51

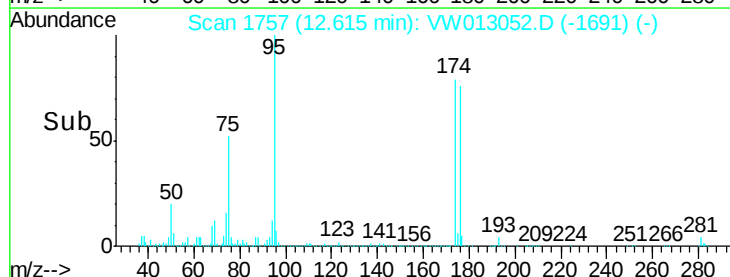
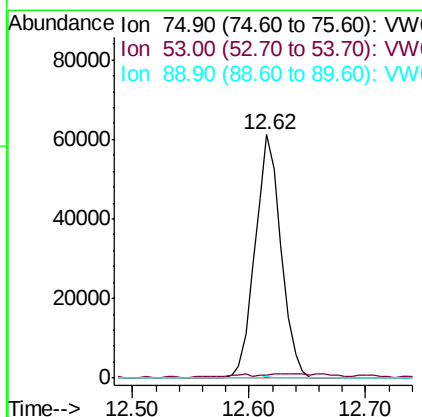
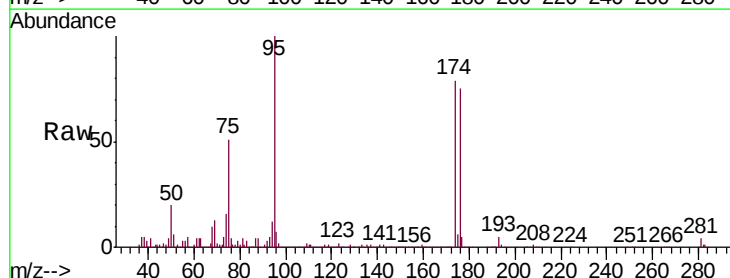
Instrument :
 MSVOA_W
 ClientSampleId :
 FK-GF-02-045-B

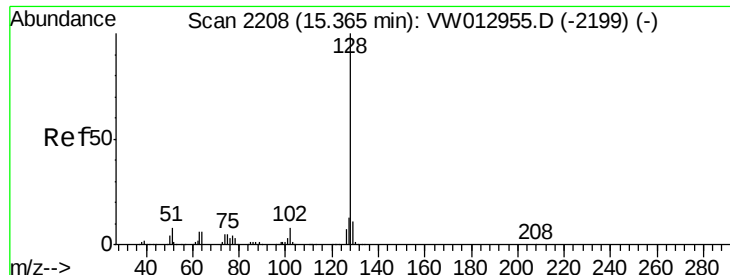
Tgt Ion: 75 Resp: 94621
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.304 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013052.D
 Acq: 16 Sep 2019 19:51

Tgt Ion: 75 Resp: 94621
 Ion Ratio Lower Upper
 75 100
 53 0.8 85.6 128.4#
 89 0.3 37.2 55.8#





#95

Naphthalene

Concen: 1.376 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013052.D

Acq: 16 Sep 2019 19:51

Instrument :

MSVOA_W

ClientSampleId :

FK-GF-02-045-B

Tgt Ion:128 Resp: 7302

Ion Ratio Lower Upper

128 100

127 22.9 11.0 16.6#

129 49.7 8.6 12.8#

