

Data File : VW013430.D
Acq On : 03 Oct 2019 19:10
Operator : SY/VA
Sample : K5205-04
Misc : 6.58G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Quant Time: Oct 04 08:31:01 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	41206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	53819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	44511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	13823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15896	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	7.88	113	15583	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
50) Toluene-d8	10.32	98	63070	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	12.62	95	17205	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

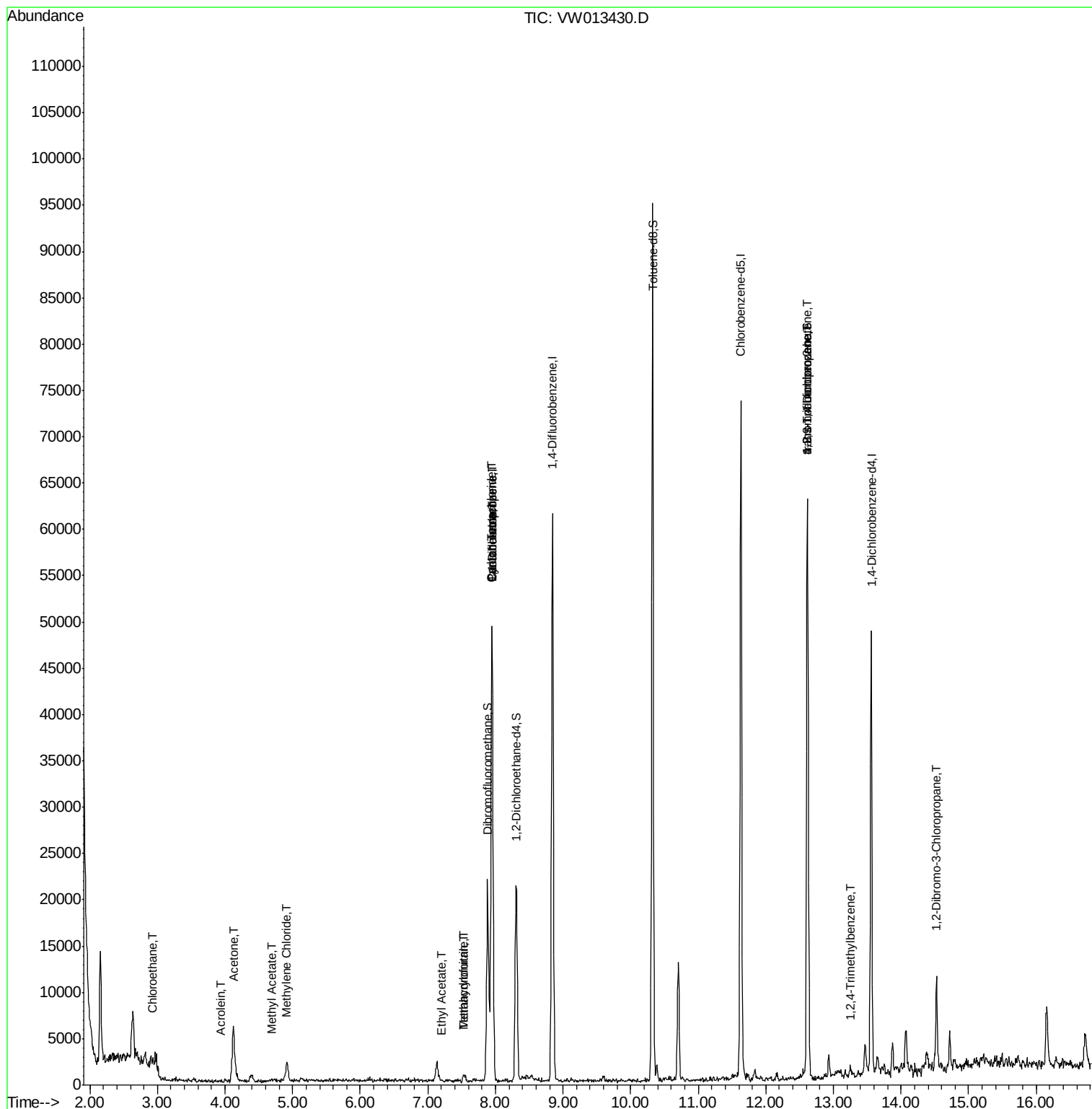
						Qvalue
6) Chloroethane	2.93	64	281	1.304	ug/l #	41
11) Tert butyl alcohol	5.13	59	210	Below Cal	#	73
13) Acrolein	3.93	56	55	12.271	ug/l #	15
16) Acetone	4.12	43	10729	113.766	ug/l	99
18) Methyl Acetate	4.68	43	472	2.138	ug/l #	51
20) Methylene Chloride	4.91	84	1333	1.655	ug/l #	81
26) 2,2-Dichloropropane	7.14	77	52	Below Cal	#	52
29) Tetrahydrofuran	7.52	42	396	15.116	ug/l #	68
31) Cyclohexane	7.95	56	772	1.097	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	2839	5.679	ug/l #	51
37) Ethyl Acetate	7.20	43	210	1.100	ug/l #	69
38) Carbon Tetrachloride	7.94	117	3598	8.309	ug/l #	14
41) Methacrylonitrile	7.53	41	301	2.263	ug/l #	36
76) 1,2,3-Trichloropropane	12.62	75	8042	65.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	8042	131.706	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.25	105	1019	1.220	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.52	75	128	5.000	ug/l #	1

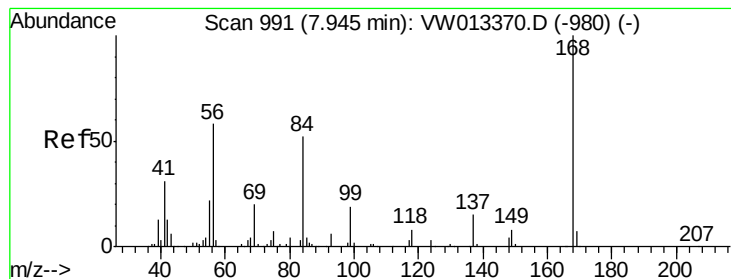
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

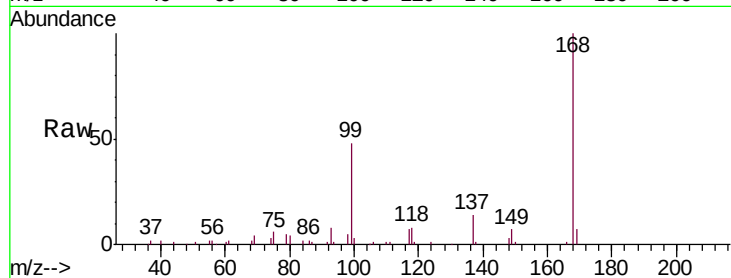
BFB

Tgt Ion: 168 Resp: 41206

Ion Ratio Lower Upper

168 100

99 48.1 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

20000

15000

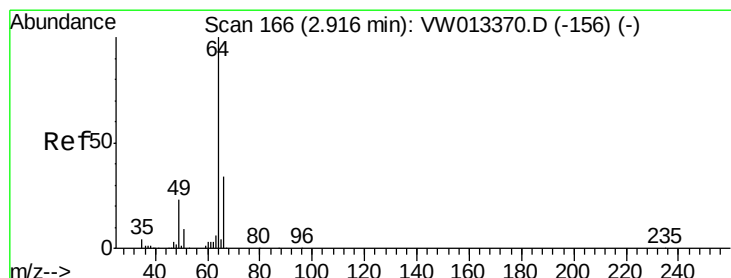
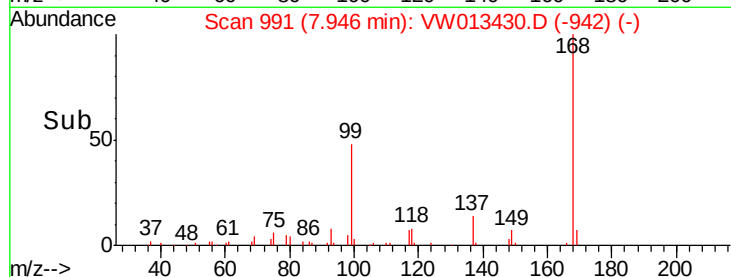
10000

5000

0

7.90 8.00

Time-->



#6

Chloroethane

Concen: 1.304 ug/l

RT: 2.93 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW013430.D

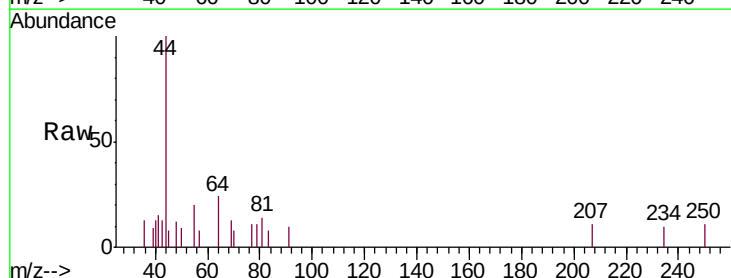
Acq: 03 Oct 2019 19:10

Tgt Ion: 64 Resp: 281

Ion Ratio Lower Upper

64 100

66 0.0 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

200

150

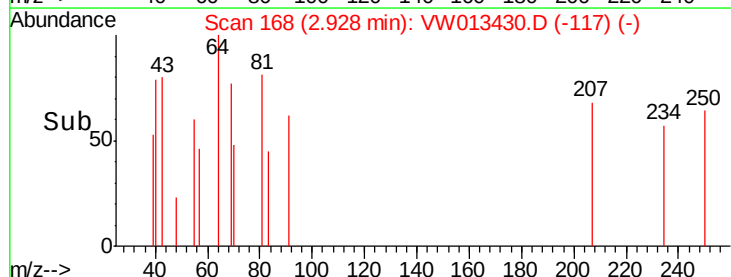
100

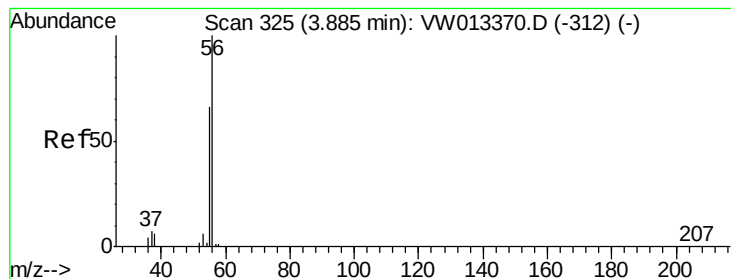
50

0

2.90 2.92 2.94 2.96

Time-->





#13

Acrolein

Concen: 12.271 ug/l

RT: 3.93 min Scan# 333

Delta R.T. 0.05 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

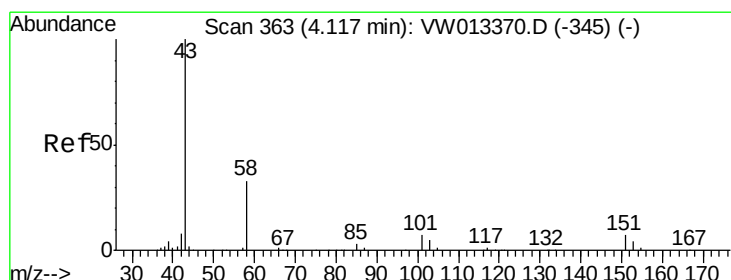
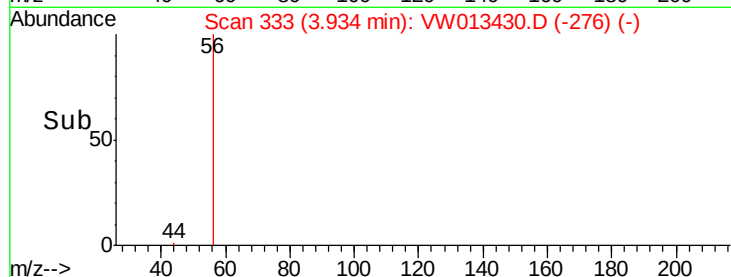
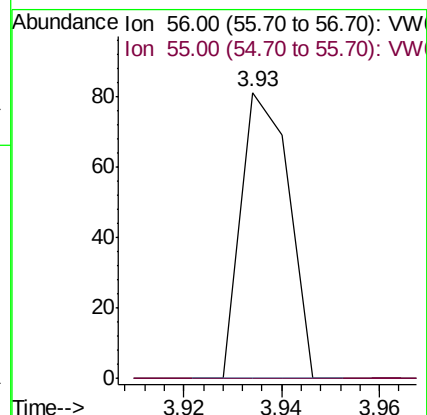
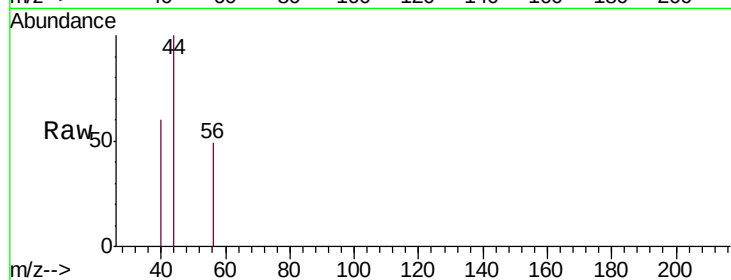
BFB

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: 113.766 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW013430.D

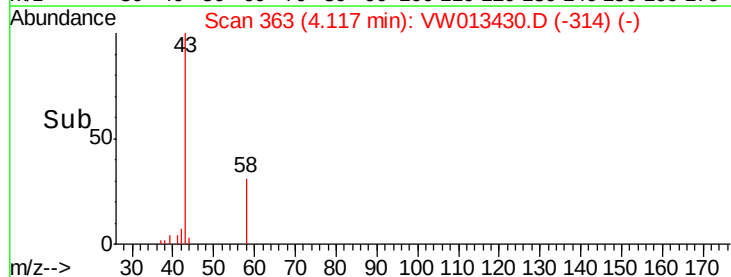
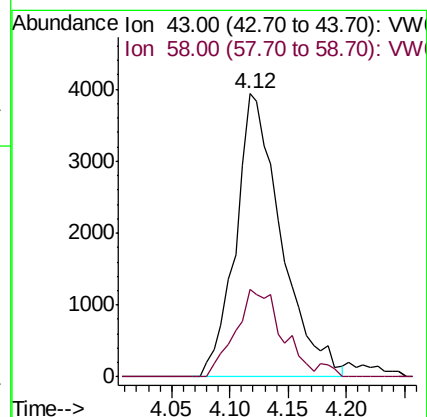
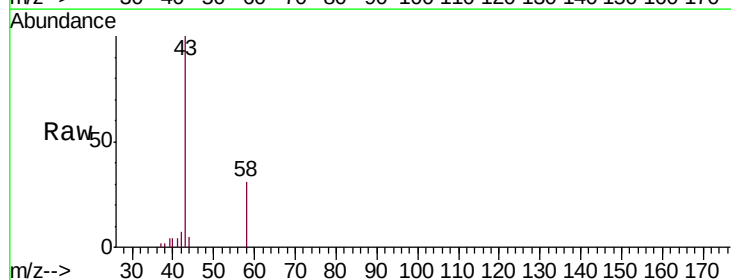
Acq: 03 Oct 2019 19:10

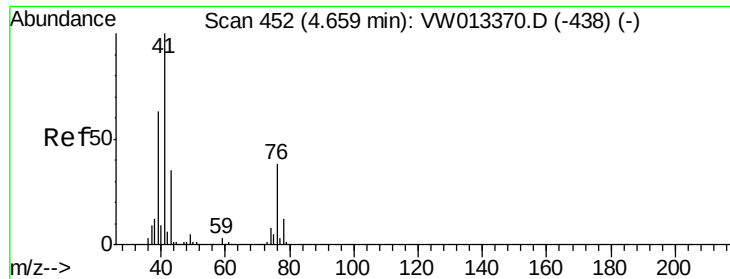
Tgt Ion: 43 Resp: 10729

Ion Ratio Lower Upper

43 100

58 30.8 24.1 36.1

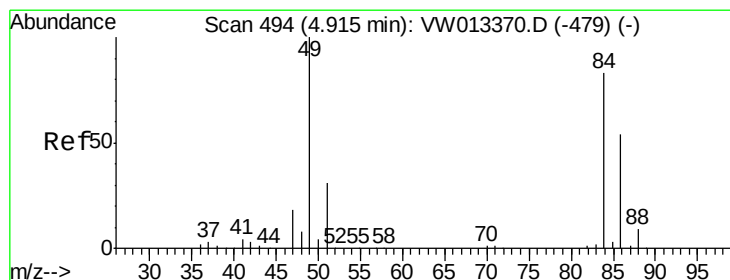
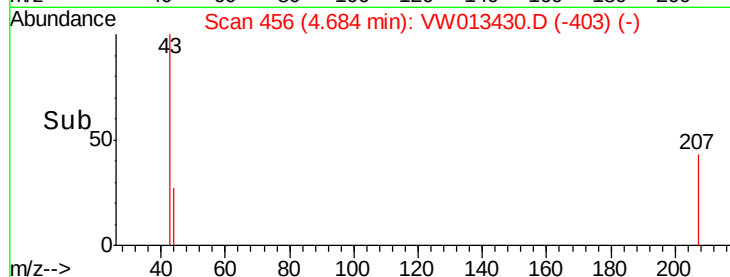
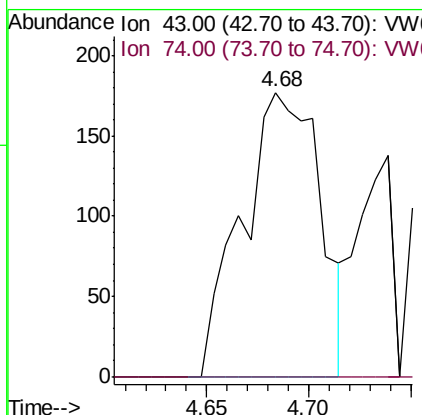
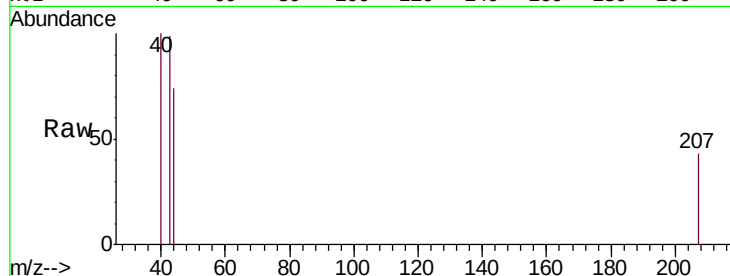




#18
Methyl Acetate
Concen: 2.138 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.02 min
Lab File: VW013430.D
Acq: 03 Oct 2019 19:10

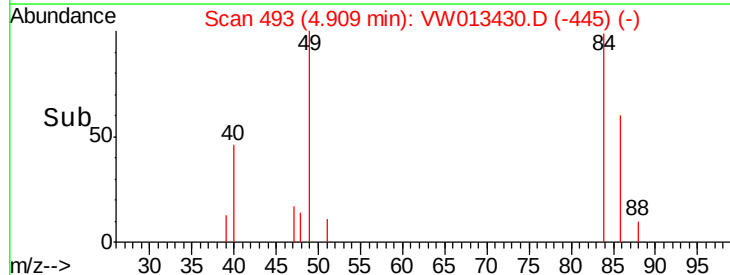
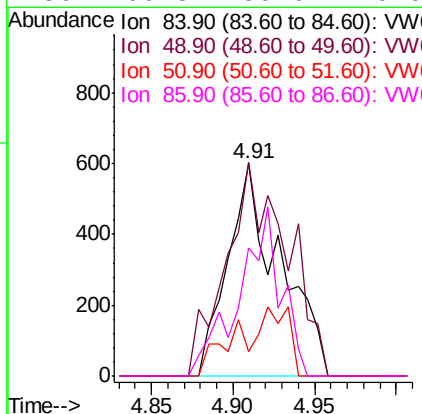
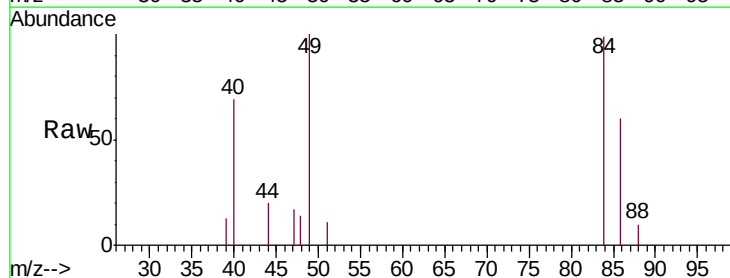
Instrument :
MSVOA_W
ClientSampleId :
BFB

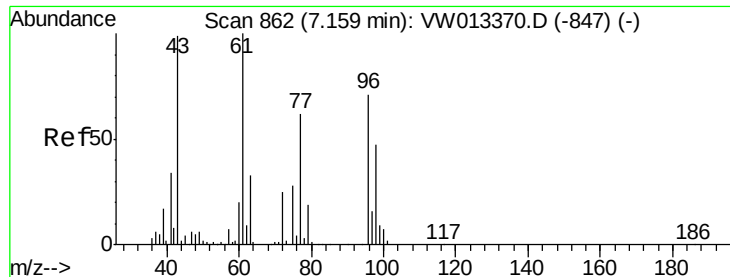
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



#20
Methylene Chloride
Concen: 1.655 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013430.D
Acq: 03 Oct 2019 19:10

Tgt Ion: 84 Resp: 1333
Ion Ratio Lower Upper
84 100
49 100.7 97.6 146.4
51 11.4 30.2 45.2#
86 60.3 50.6 76.0

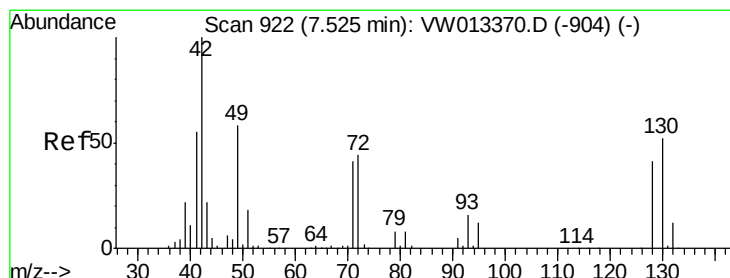
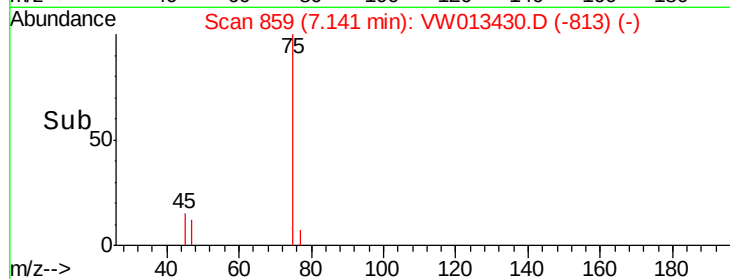
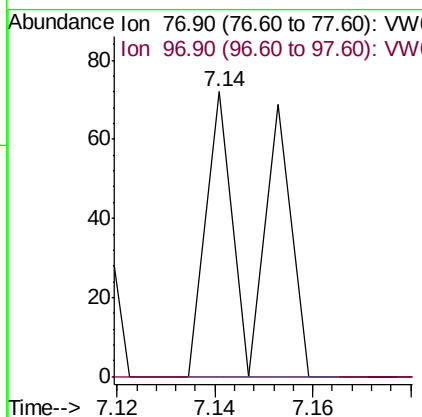
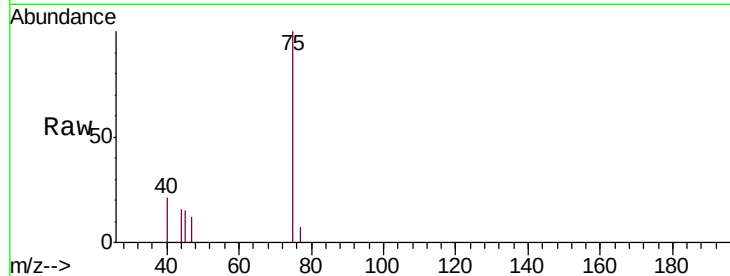




#26
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

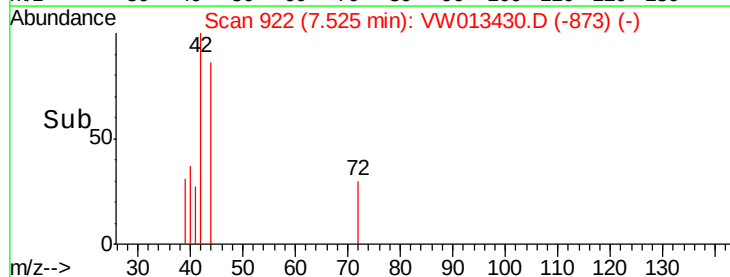
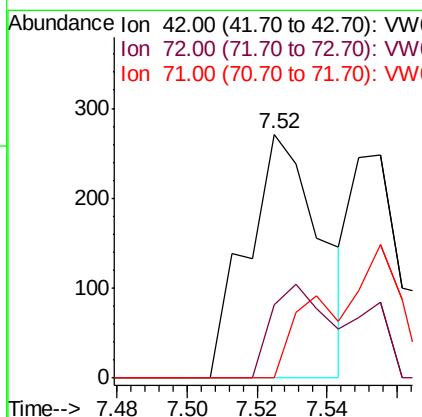
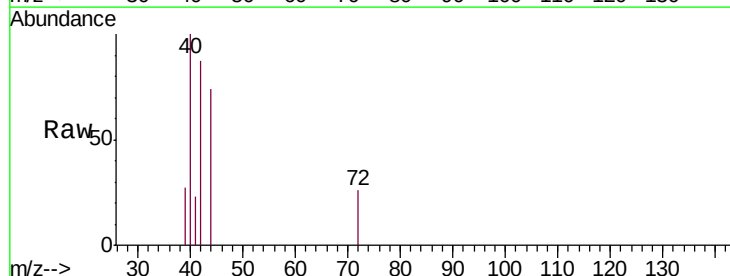
Instrument :
 MSVOA_W
 ClientSampled :
 BFB

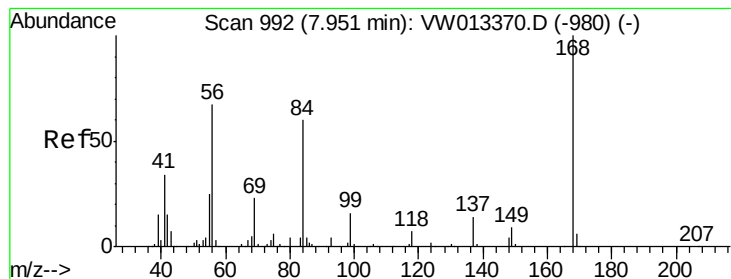
Tgt Ion: 77 Resp: 52
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#29
 Tetrahydrofuran
 Concen: 15.116 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Tgt Ion: 42 Resp: 396
 Ion Ratio Lower Upper
 42 100
 72 43.4 33.9 50.9
 71 0.0 31.9 47.9#





#31

Cyclohexane

Concen: 1.097 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

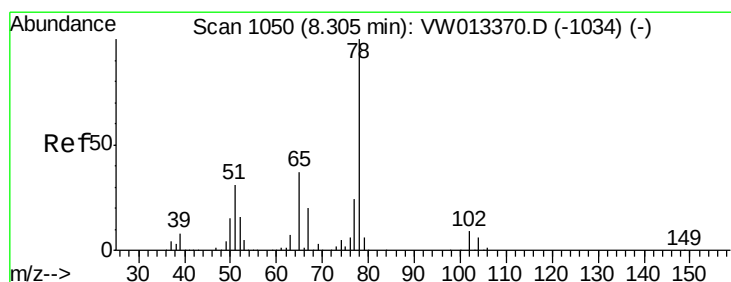
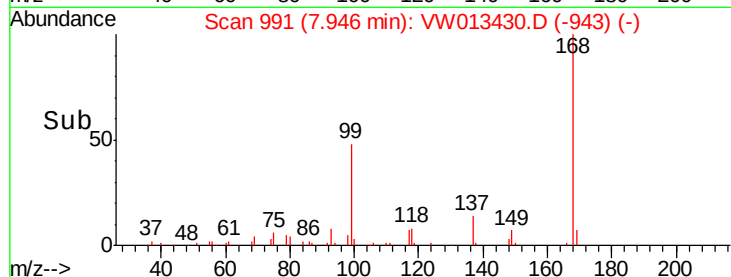
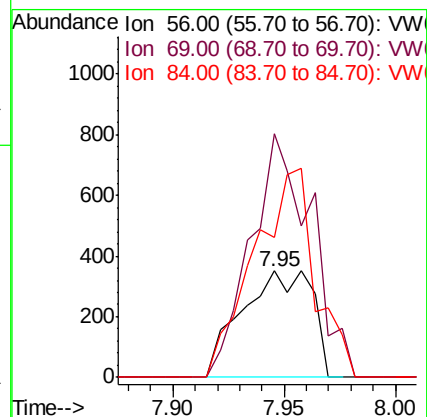
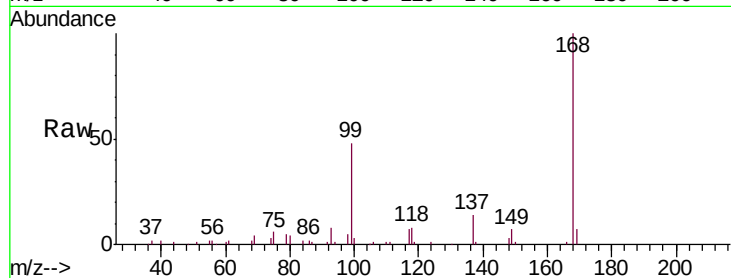
Tgt Ion: 56 Resp: 772

Ion Ratio Lower Upper

56 100

69 229.4 27.2 40.8#

84 131.7 70.8 106.2#



#33

1,2-Dichloroethane-d4

Concen: 51.665 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013430.D

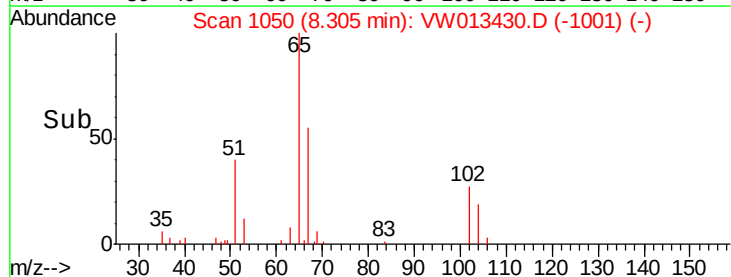
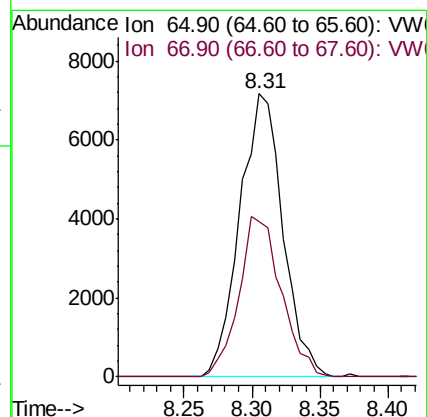
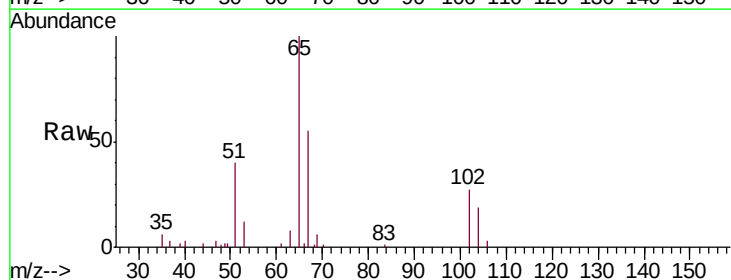
Acq: 03 Oct 2019 19:10

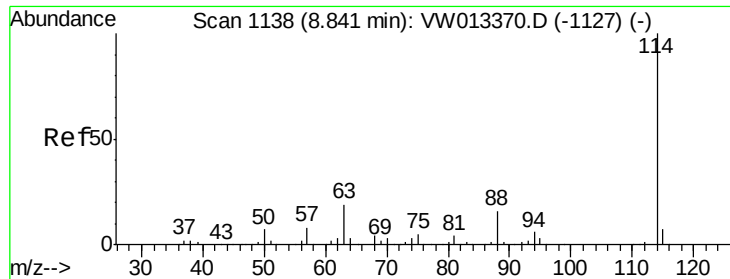
Tgt Ion: 65 Resp: 15896

Ion Ratio Lower Upper

65 100

67 55.5 0.0 106.2

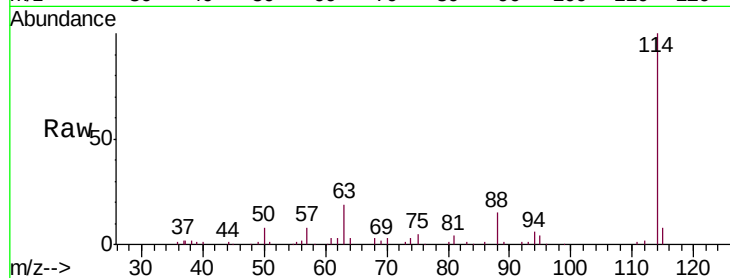




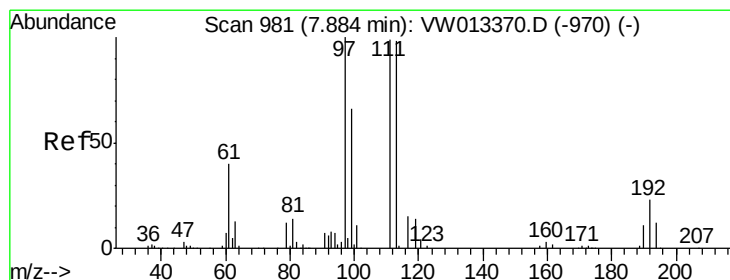
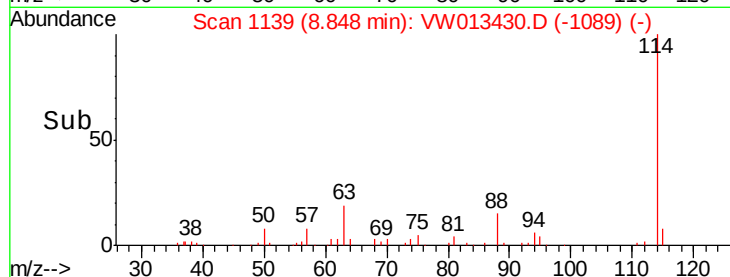
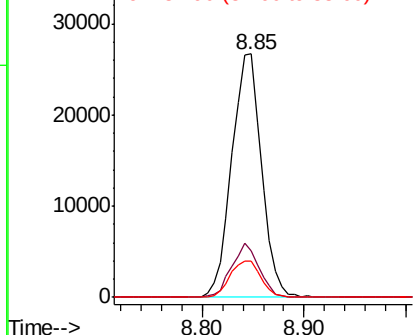
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion:114 Resp: 53819
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 15.1 0.0 32.0

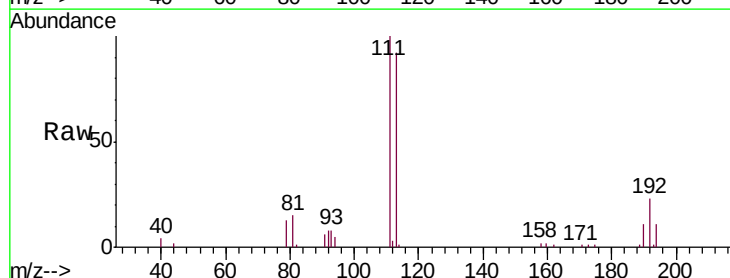


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

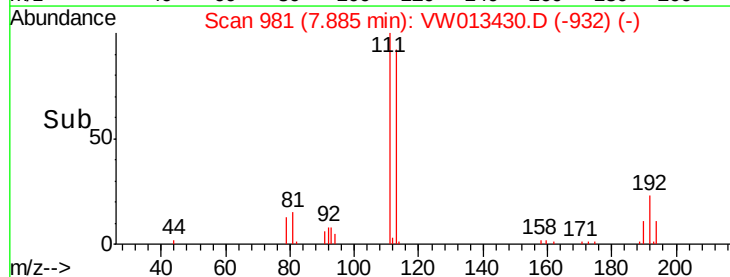
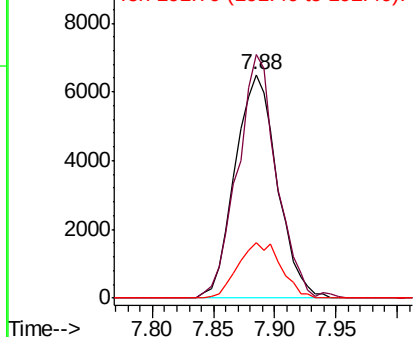


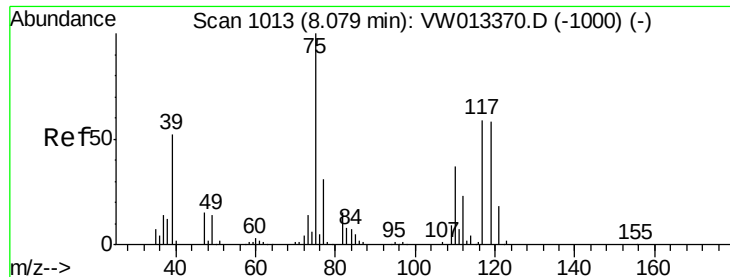
#35
 Dibromofluoromethane
 Concen: 55.180 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Tgt Ion:113 Resp: 15583
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 25.3 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

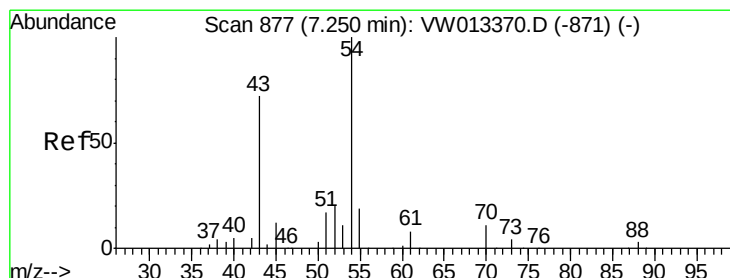
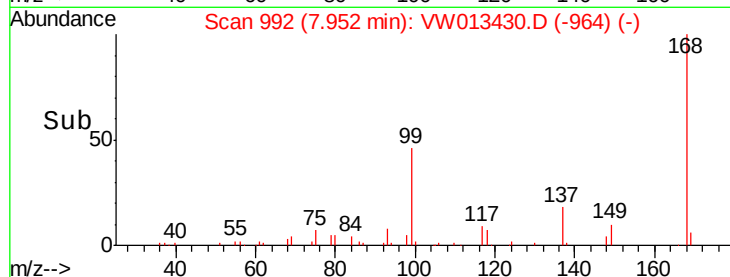
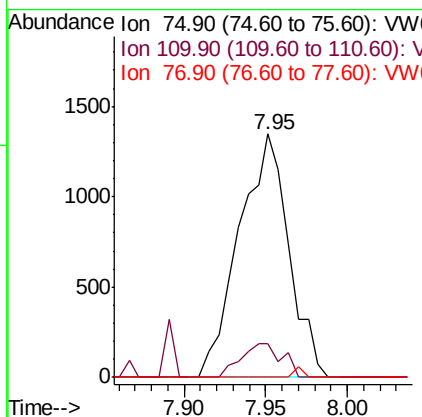
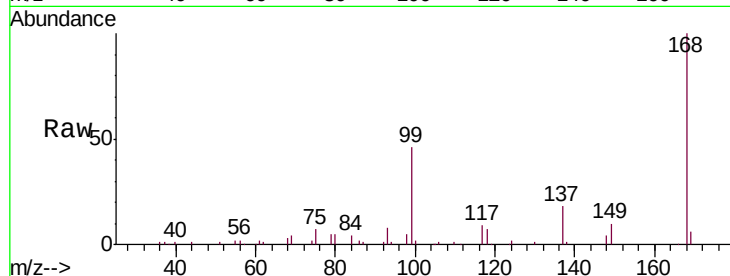




#36
 1,1-Dichloropropene
 Concen: 5.679 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

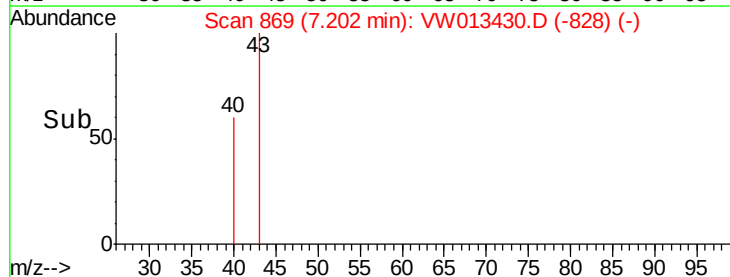
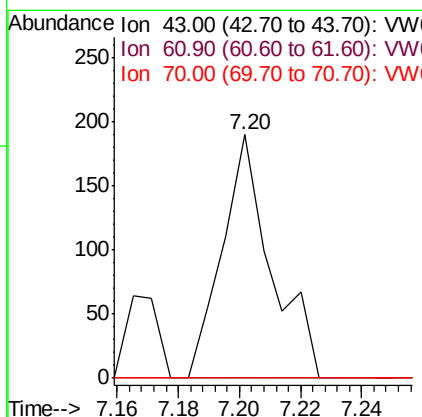
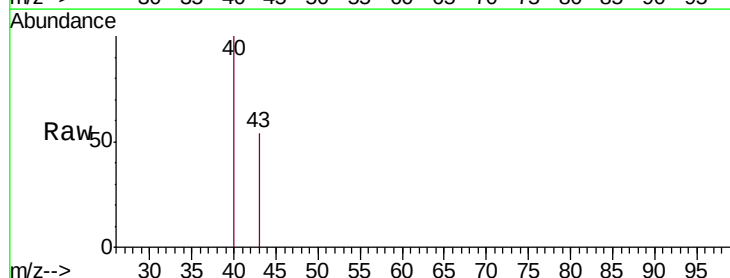
Instrument :
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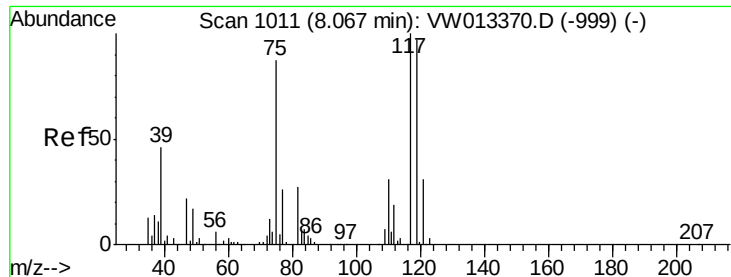
Tgt Ion: 75 Resp: 2839
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.1 54.3#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 1.100 ug/l
 RT: 7.20 min Scan# 869
 Delta R.T. -0.05 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Tgt Ion: 43 Resp: 210
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 8.309 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

BFB

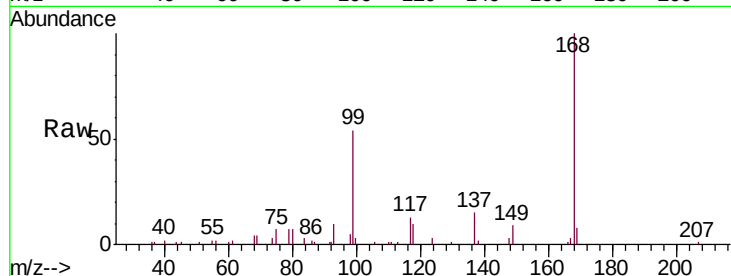
Tgt Ion: 117 Resp: 3598

Ion Ratio Lower Upper

117 100

119 0.0 73.5 110.3#

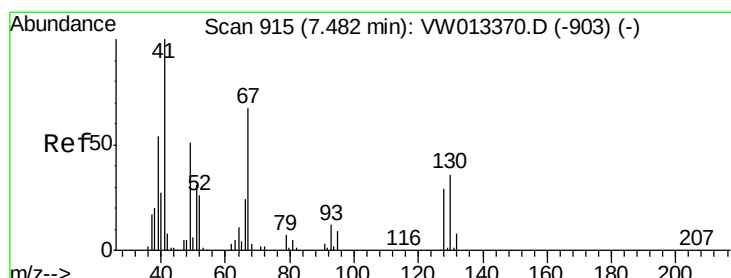
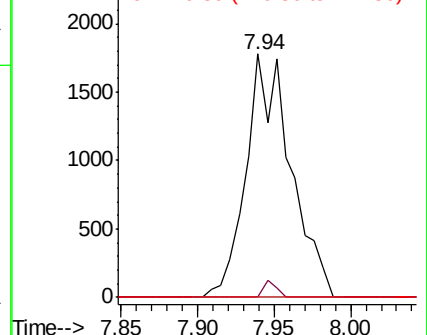
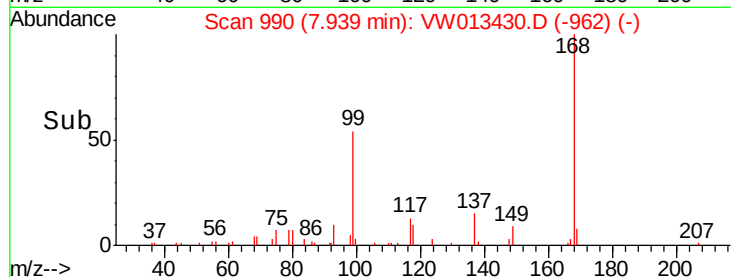
121 0.0 25.0 37.6#



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



#41

Methacrylonitrile

Concen: 2.263 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Tgt Ion: 41 Resp: 301

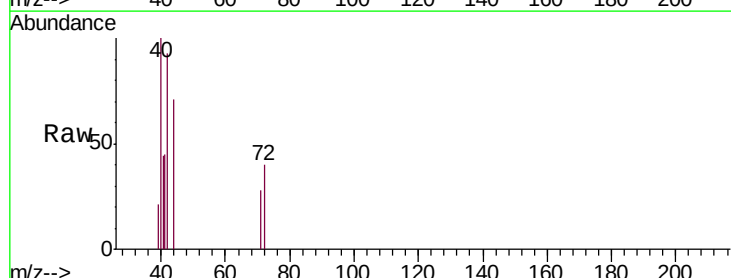
Ion Ratio Lower Upper

41 100

39 23.6 45.9 68.9#

67 0.0 54.5 81.7#

52 0.0 22.5 33.7#

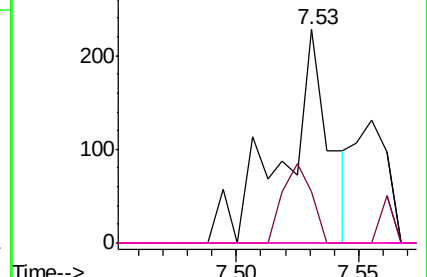
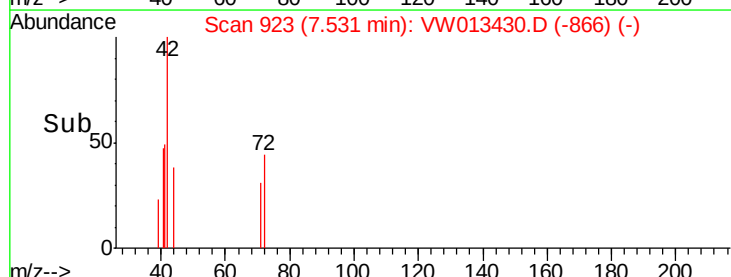


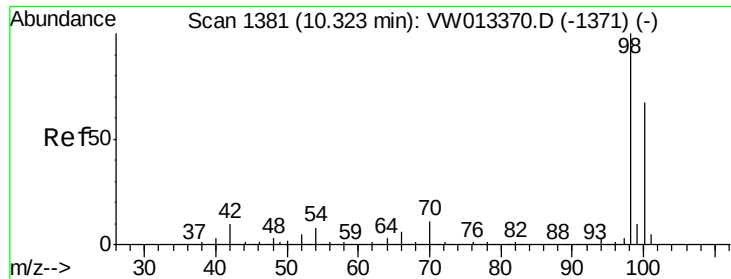
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 53.818 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampleId :

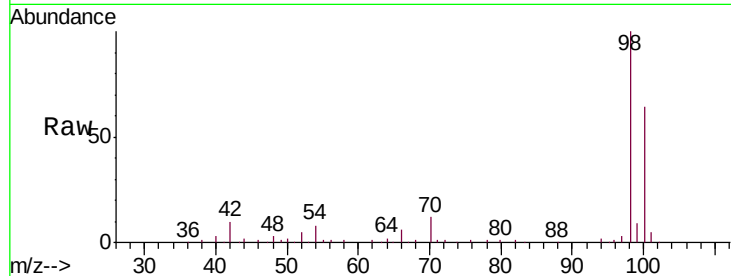
BFB

Tgt Ion: 98 Resp: 63070

Ion Ratio Lower Upper

98 100

100 65.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

40000

30000

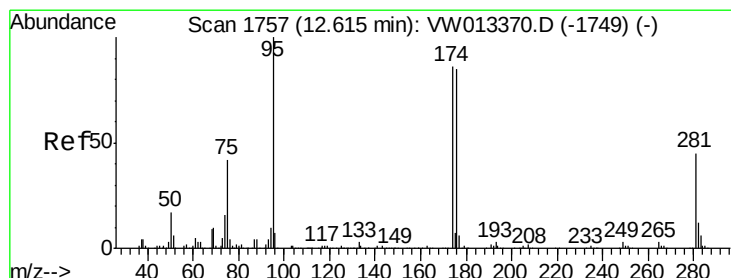
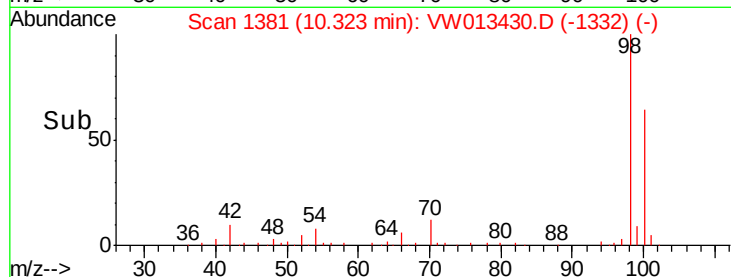
20000

10000

0

Time-->

10.25 10.30 10.35 10.40



#62

4-Bromofluorobenzene

Concen: 43.964 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

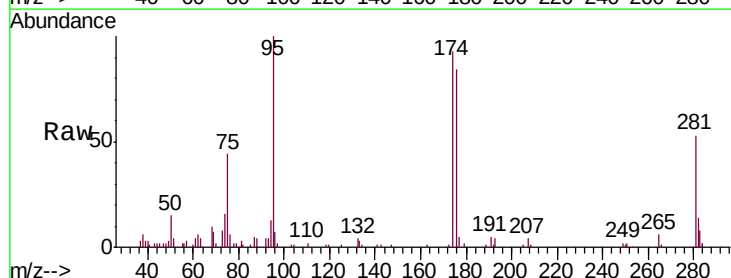
Tgt Ion: 95 Resp: 17205

Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.4

176 86.5 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

12.62

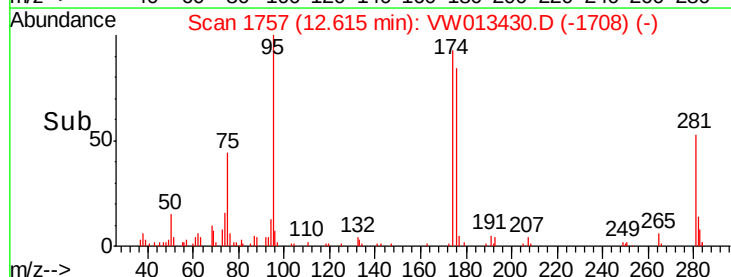
10000

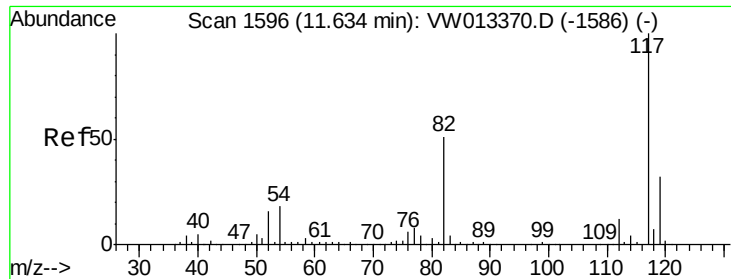
5000

0

Time-->

12.55 12.60 12.65

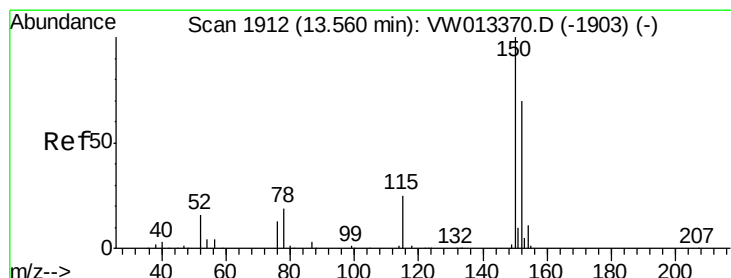
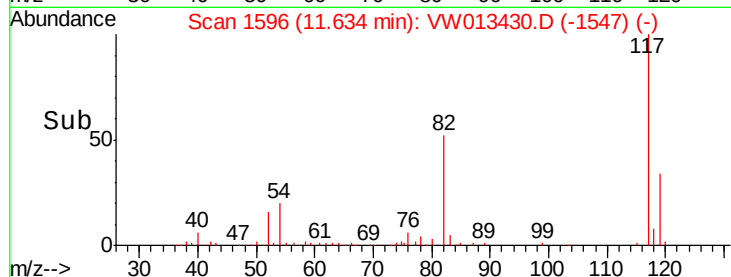
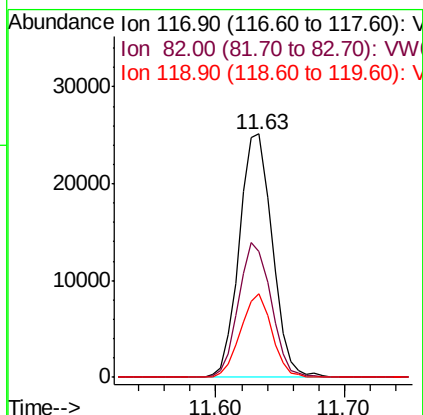
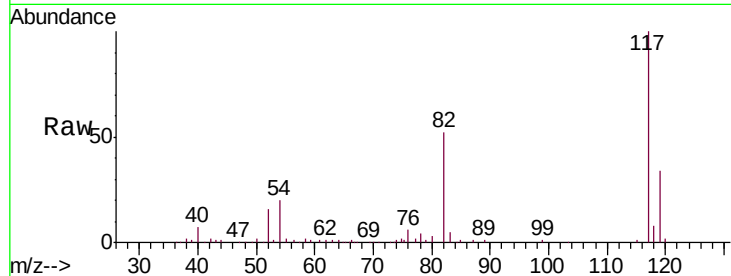




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013430.D
Acq: 03 Oct 2019 19:10

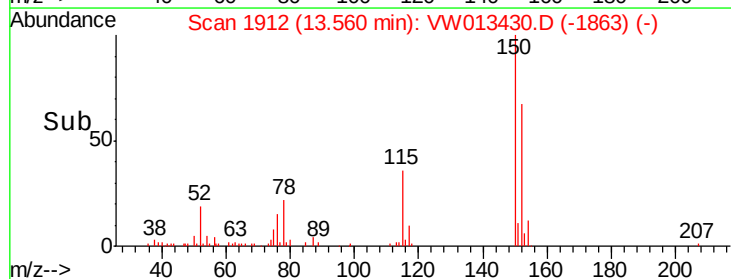
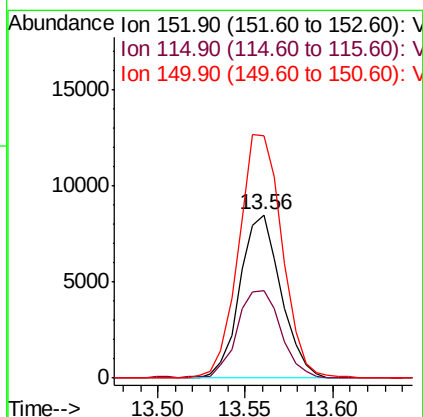
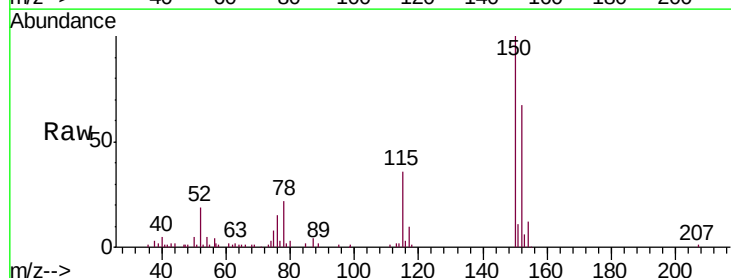
Instrument :
MSVOA_W
ClientSampleId :
BFB

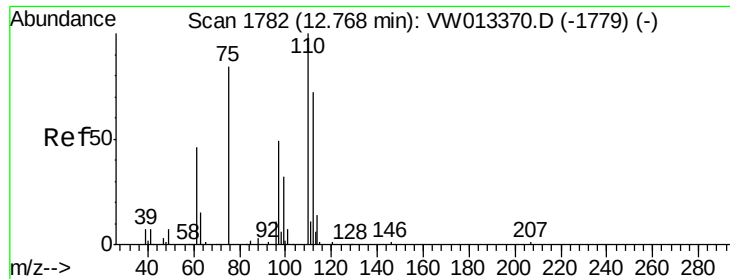
Tgt Ion:117 Resp: 44511
Ion Ratio Lower Upper
117 100
82 51.8 45.9 68.9
119 34.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013430.D
Acq: 03 Oct 2019 19:10

Tgt Ion:152 Resp: 13823
Ion Ratio Lower Upper
152 100
115 57.7 27.3 81.9
150 158.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 65.459 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

Instrument :

MSVOA_W

ClientSampled :

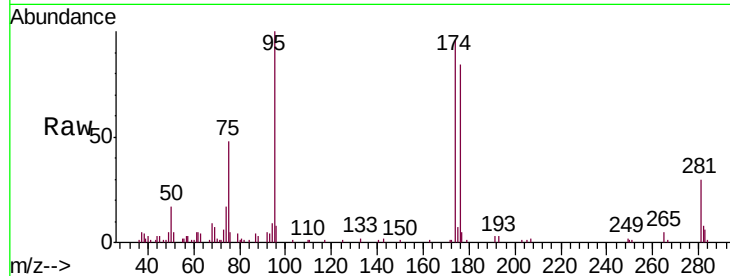
BFB

Tgt Ion: 75 Resp: 8042

Ion Ratio Lower Upper

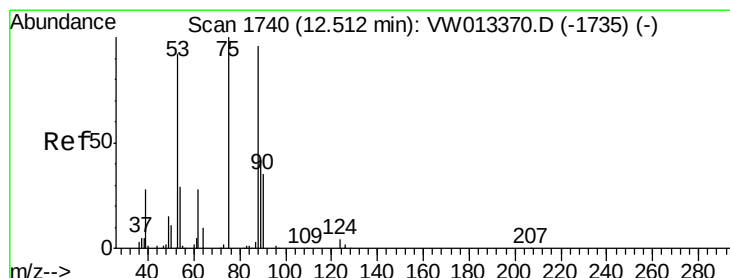
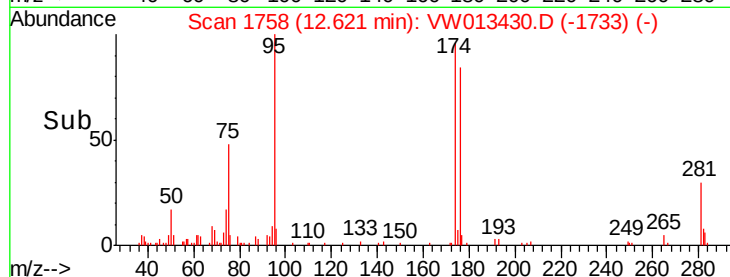
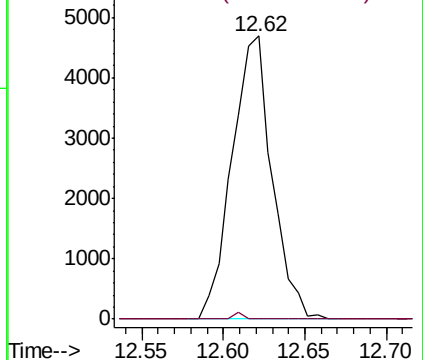
75 100

77 0.5 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: 131.706 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW013430.D

Acq: 03 Oct 2019 19:10

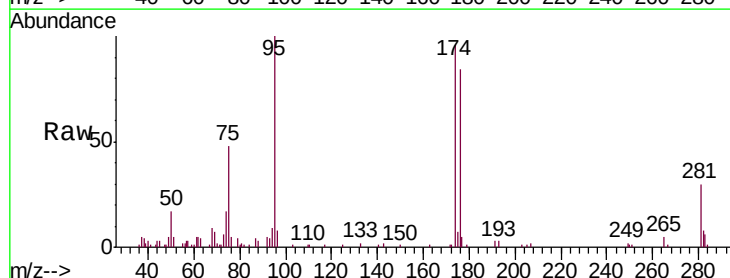
Tgt Ion: 75 Resp: 8042

Ion Ratio Lower Upper

75 100

53 0.0 76.6 114.8#

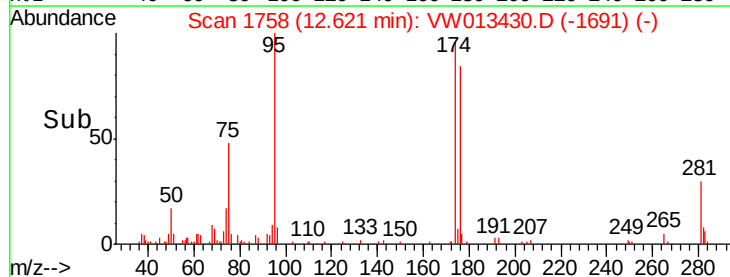
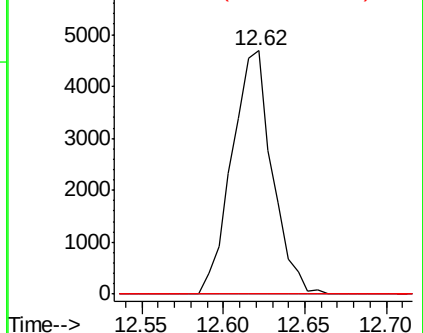
89 0.0 33.5 50.3#

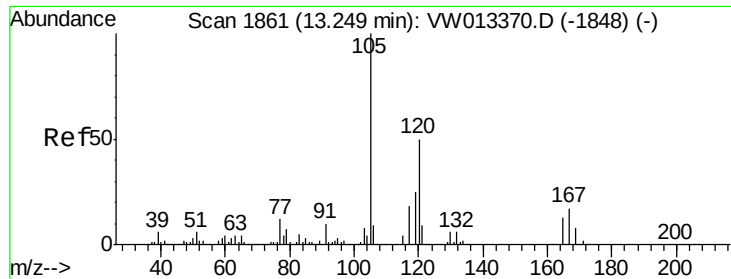


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

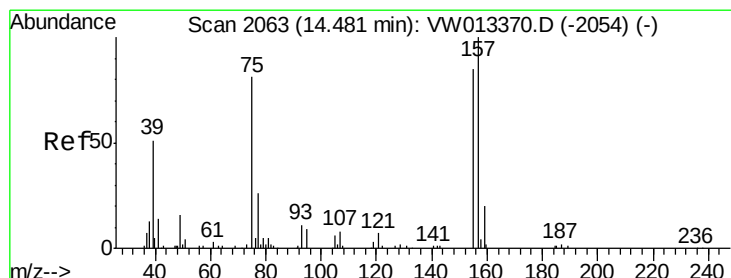
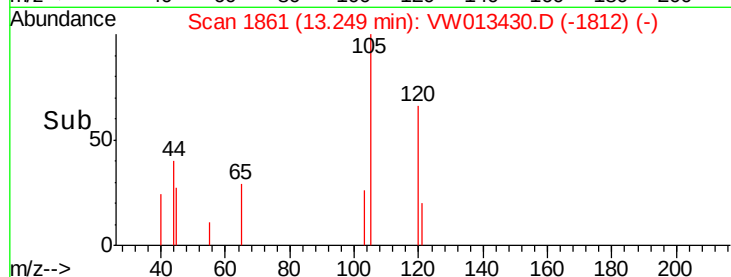
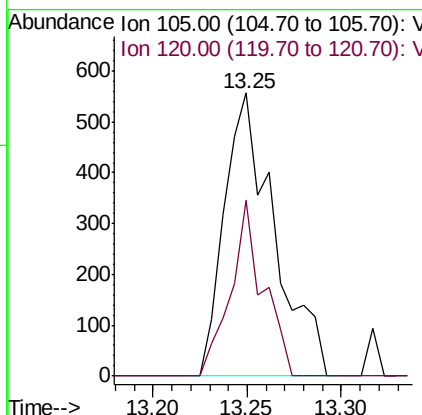
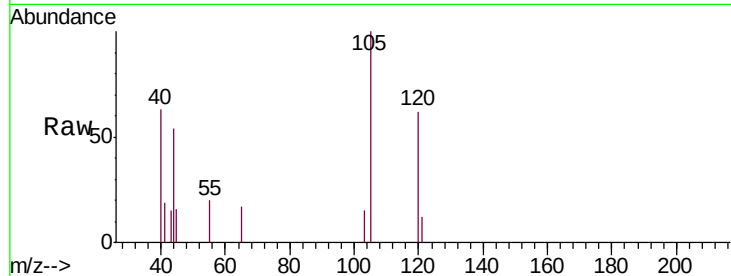




#84
 1,2,4-Trimethylbenzene
 Concen: 1.220 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB

Tgt Ion: 105 Resp: 1019
 Ion Ratio Lower Upper
 105 100
 120 40.5 23.4 70.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.000 ug/l
 RT: 14.52 min Scan# 2070
 Delta R.T. 0.04 min
 Lab File: VW013430.D
 Acq: 03 Oct 2019 19:10

Tgt Ion: 75 Resp: 128
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.1 138.3#
 157 0.0 60.4 181.2#

