

Data File : VW013118.D
Acq On : 18 Sep 2019 17:19
Operator : SY/VA
Sample : K4923-05
Misc : 4.97G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

Quant Time: Sep 19 07:56:25 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	325491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	409509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	179794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137186	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.88	113	134494	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.32	98	567772	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
62) 4-Bromofluorobenzene	12.62	95	177322	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	

Target Compounds

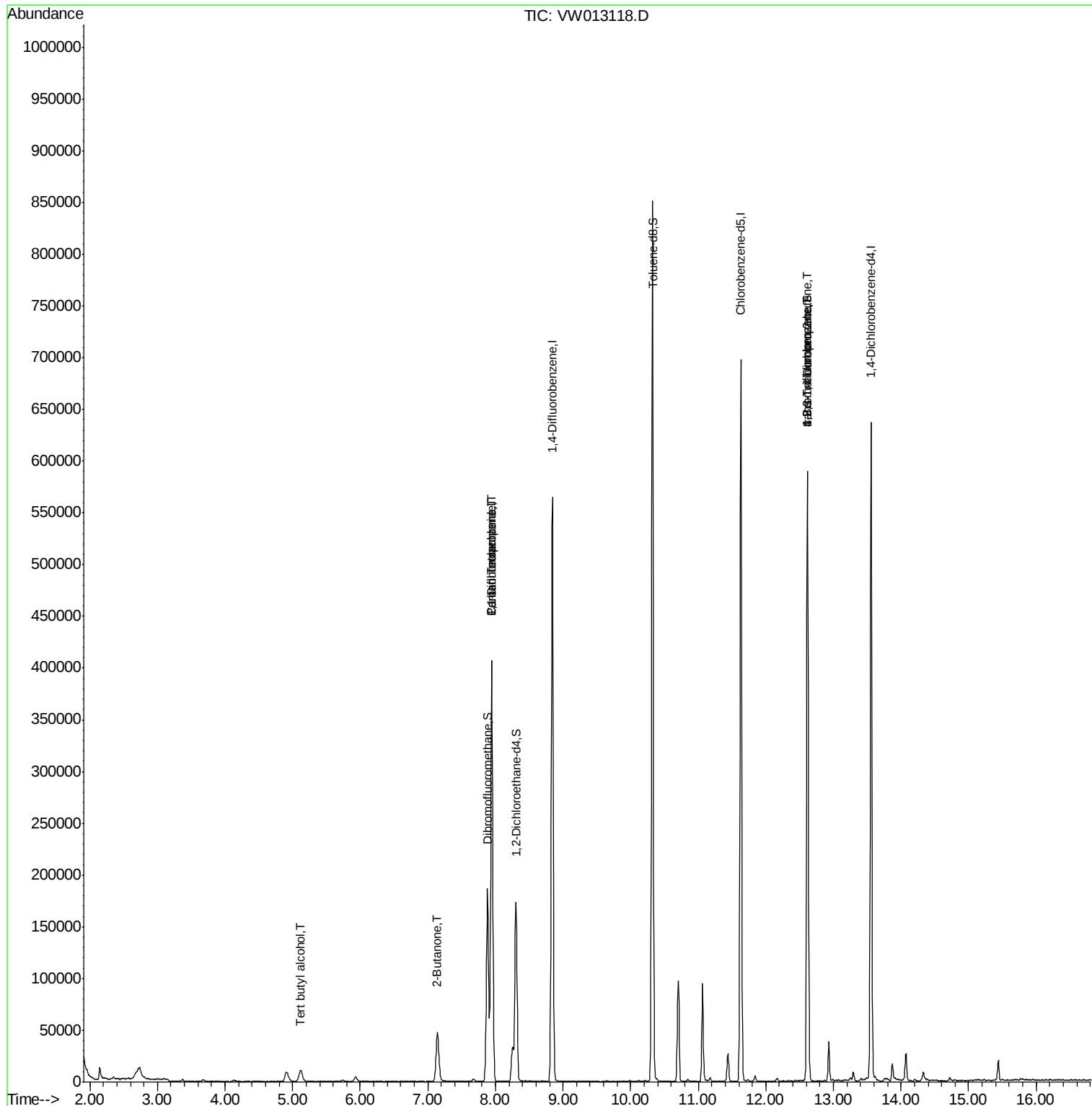
						Qvalue
2) Dichlorodifluoromethane	2.01	85	123	Below Cal		82
3) Chloromethane	2.21	50	198	Below Cal	#	41
11) Tert butyl alcohol	5.11	59	11679	39.519	ug/l #	73
16) Acetone	4.14	43	2270	Below Cal	#	85
20) Methylene Chloride	4.90	84	7563	Below Cal		91
25) 2-Butanone	7.15	43	2986	3.124	ug/l #	82
26) 2,2-Dichloropropane	7.15	77	3523	Below Cal	#	55
31) Cyclohexane	7.95	56	5600	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	22276	5.695	ug/l #	51
38) Carbon Tetrachloride	7.95	117	28752	7.173	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	84356	53.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84356	121.510	ug/l #	7

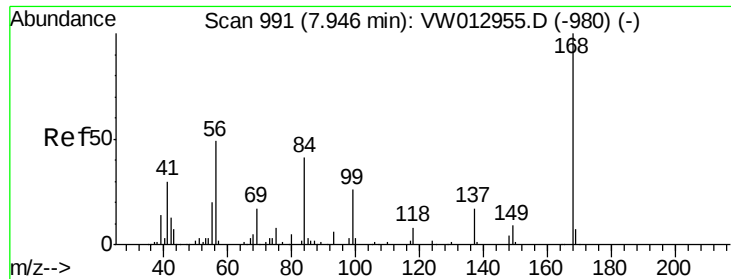
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

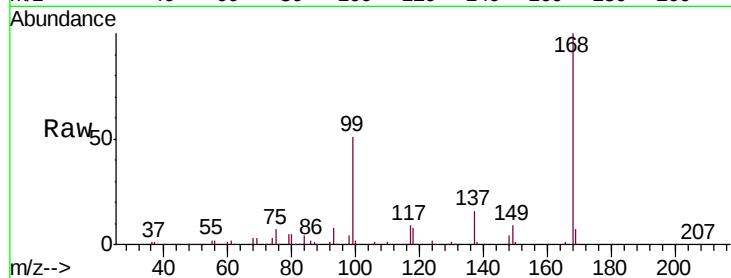
SB-47-9.5-10.0

Tgt Ion:168 Resp: 325491

Ion Ratio Lower Upper

168 100

99 51.3 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

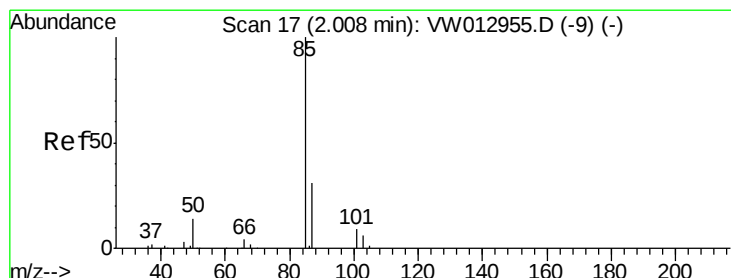
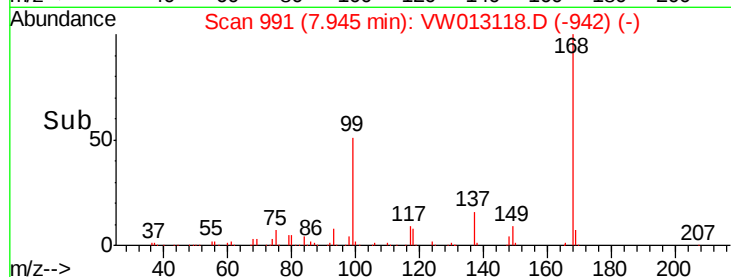
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013118.D

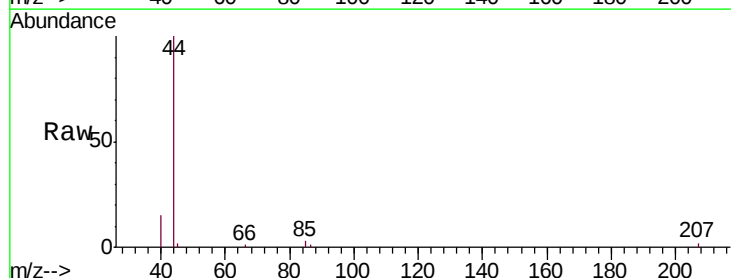
Acq: 18 Sep 2019 17:19

Tgt Ion: 85 Resp: 123

Ion Ratio Lower Upper

85 100

87 40.9 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

150

100

50

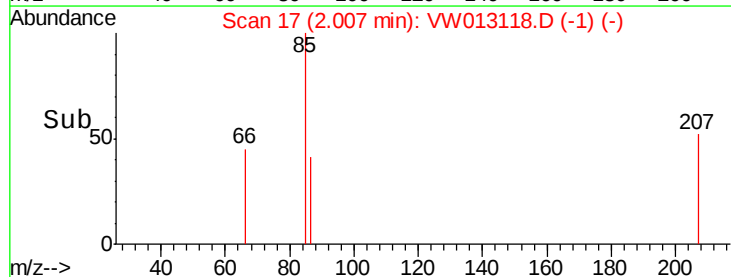
0

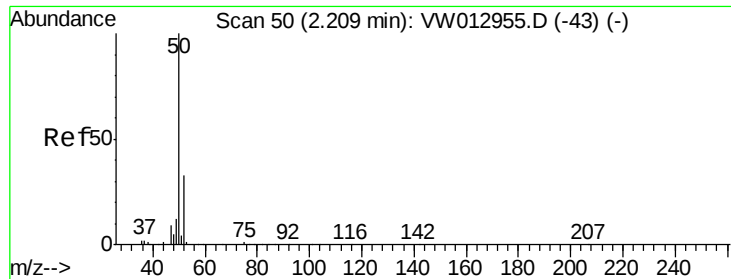
1.98

2.00

2.02

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

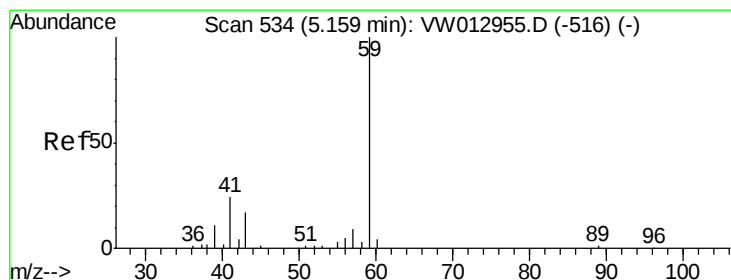
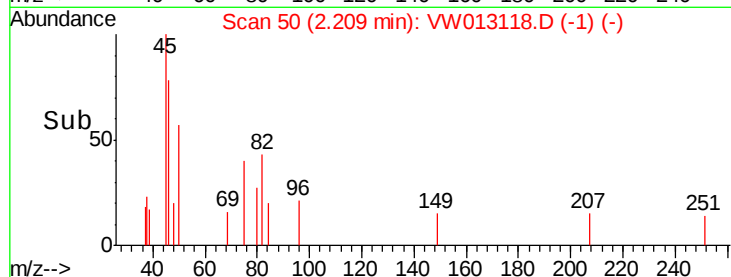
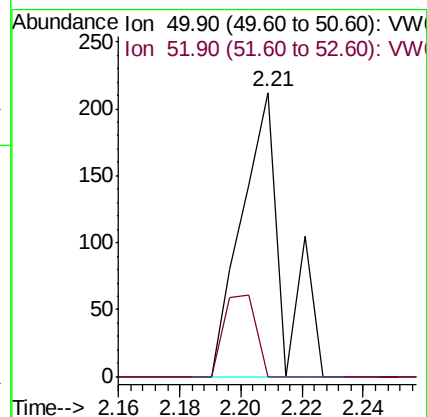
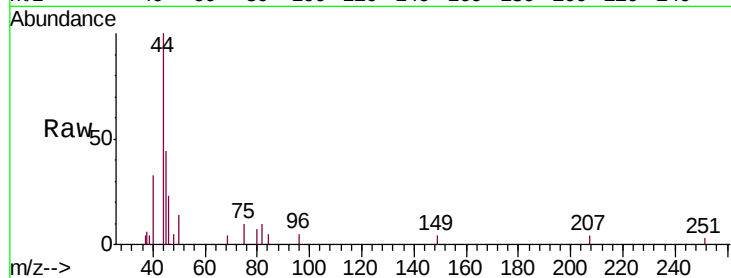
SB-47-9.5-10.0

Tgt Ion: 50 Resp: 198

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 39.519 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.05 min

Lab File: VW013118.D

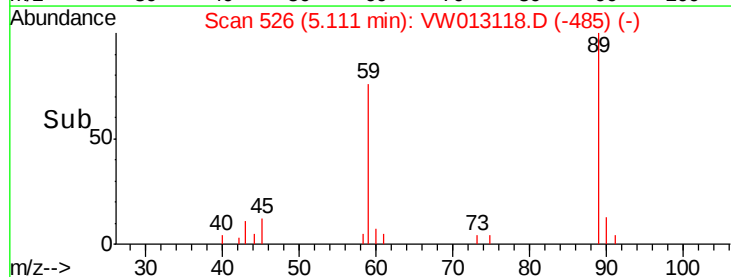
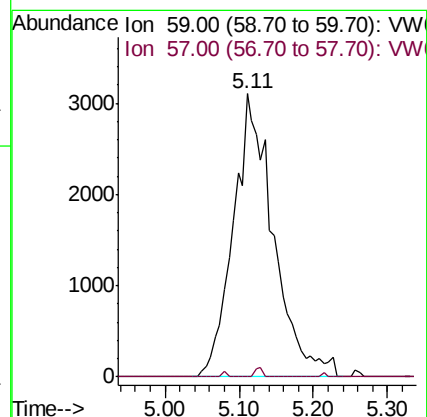
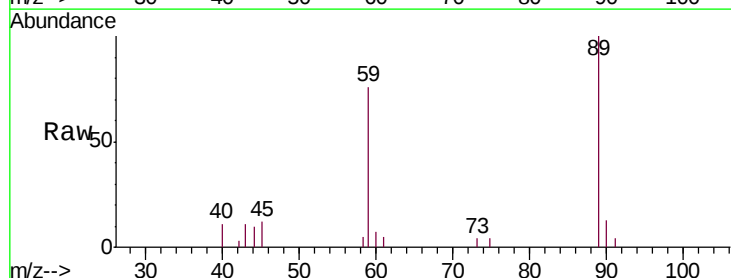
Acq: 18 Sep 2019 17:19

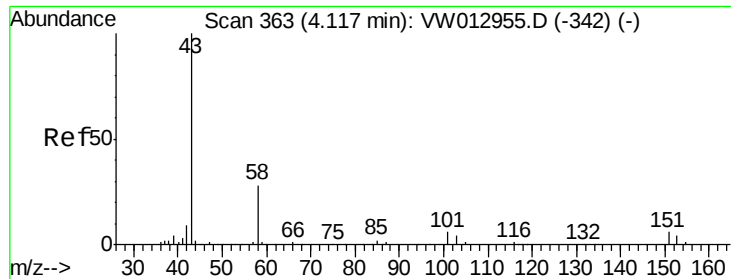
Tgt Ion: 59 Resp: 11679

Ion Ratio Lower Upper

59 100

57 0.6 8.5 12.7#





#16

Acetone

Concen: Below Cal

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

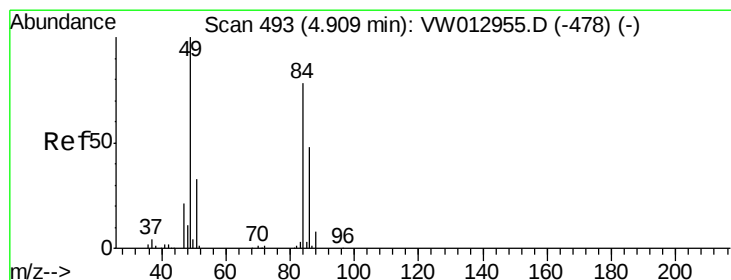
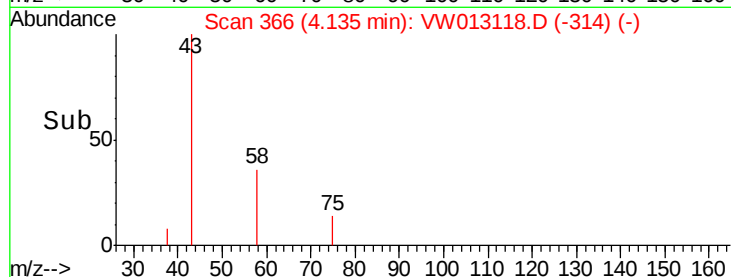
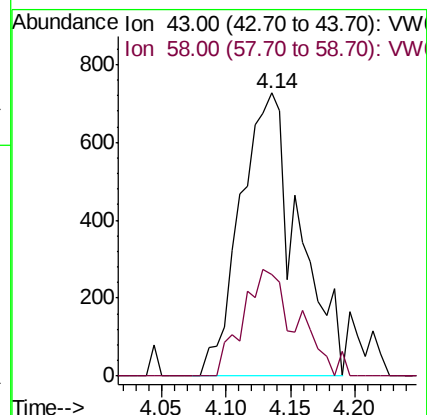
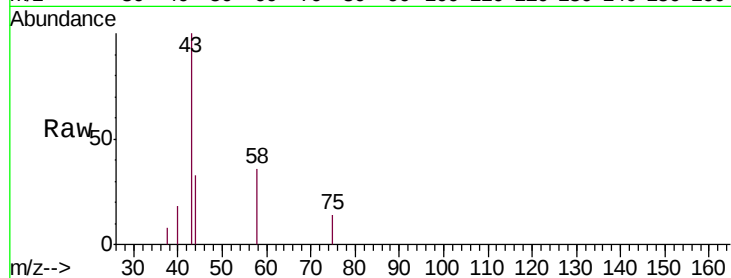
SB-47-9.5-10.0

Tgt Ion: 43 Resp: 2270

Ion Ratio Lower Upper

43 100

58 36.0 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Tgt Ion: 84 Resp: 7563

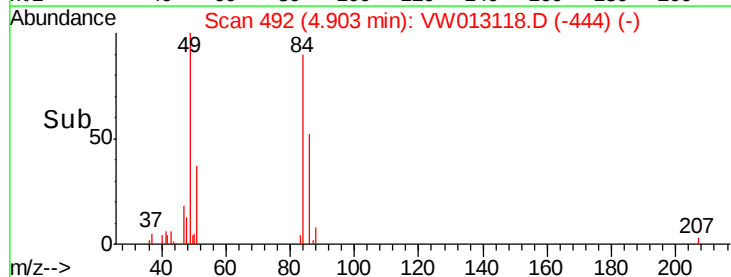
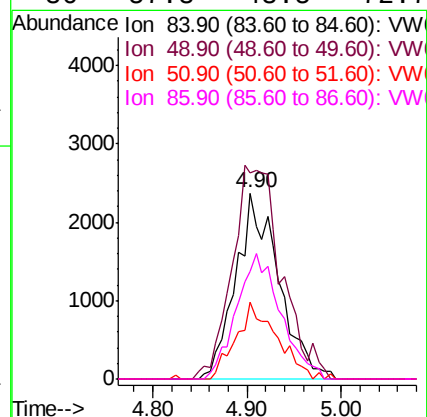
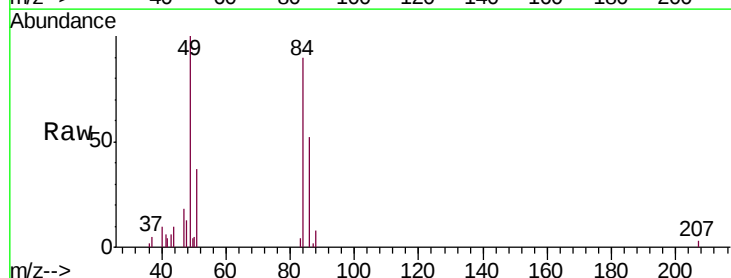
Ion Ratio Lower Upper

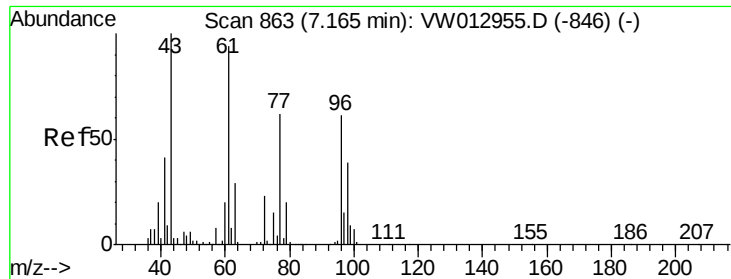
84 100

49 110.6 102.0 153.0

51 41.2 34.0 51.0

86 57.8 48.5 72.7





#25

2-Butanone

Concen: 3.124 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampled :

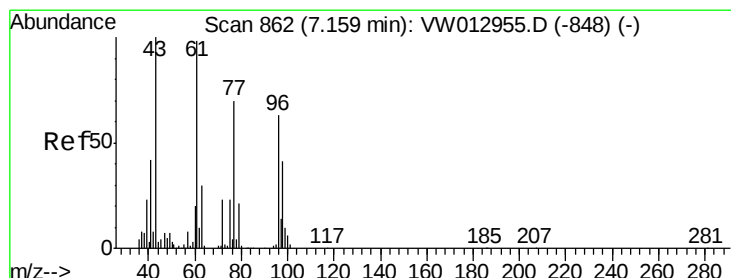
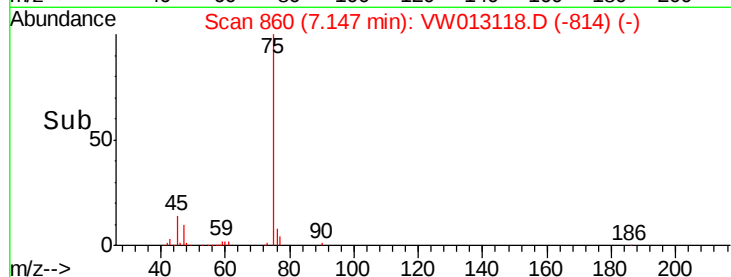
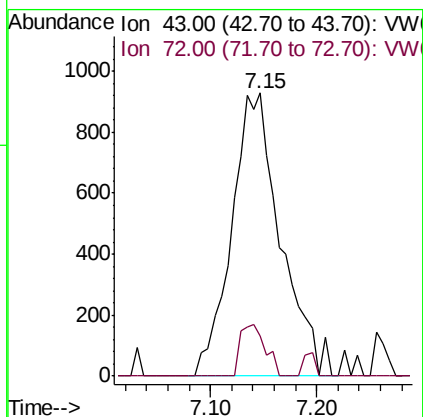
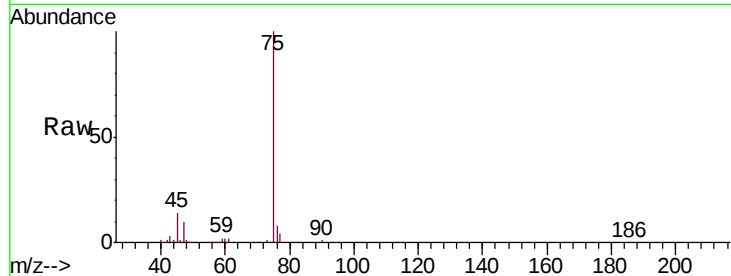
SB-47-9.5-10.0

Tgt Ion: 43 Resp: 2986

Ion Ratio Lower Upper

43 100

72 14.1 18.2 27.4#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: VW013118.D

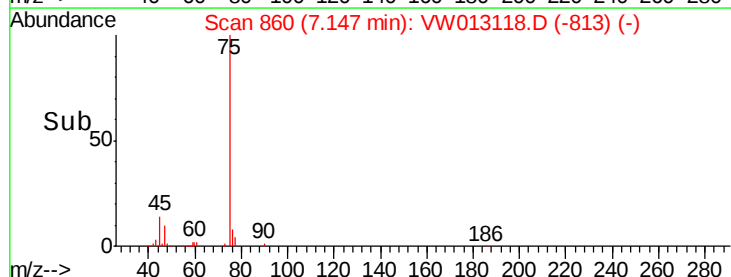
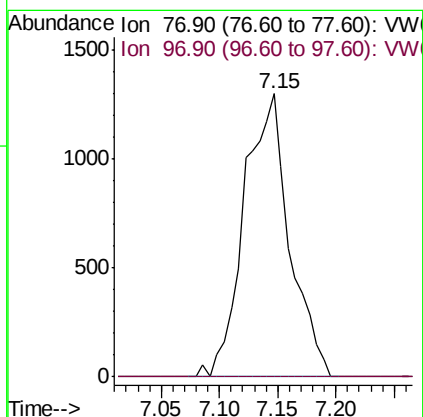
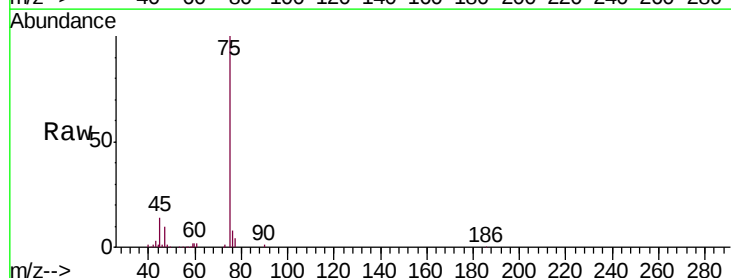
Acq: 18 Sep 2019 17:19

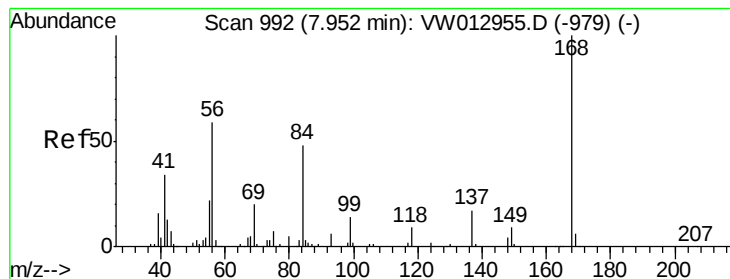
Tgt Ion: 77 Resp: 3523

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#





#31

Cyclohexane

Concen: Below Cal

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

SB-47-9.5-10.0

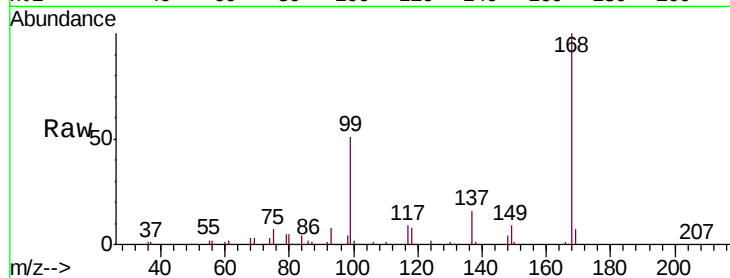
Tgt Ion: 56 Resp: 5600

Ion Ratio Lower Upper

56 100

69 195.7 27.0 40.6#

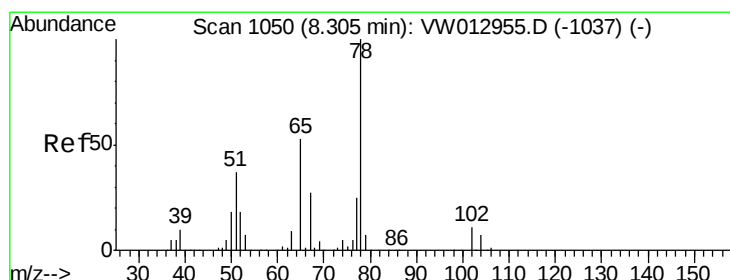
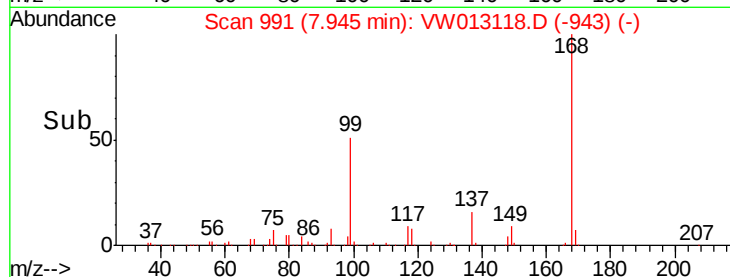
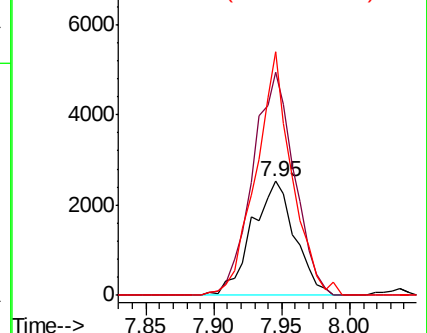
84 213.5 66.2 99.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 45.635 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013118.D

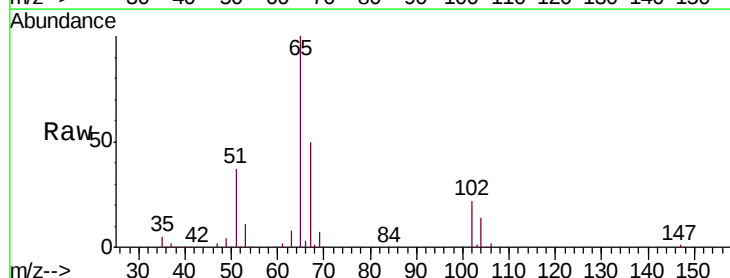
Acq: 18 Sep 2019 17:19

Tgt Ion: 65 Resp: 137186

Ion Ratio Lower Upper

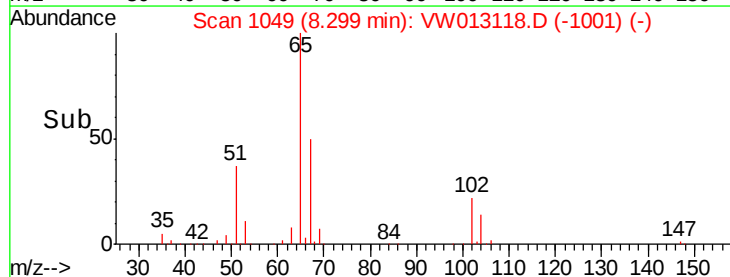
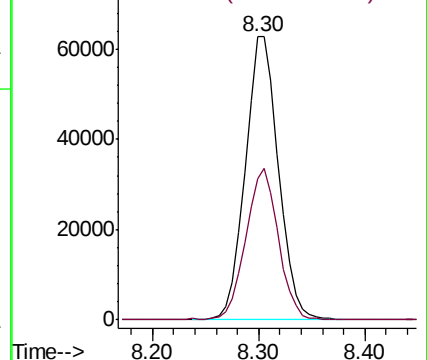
65 100

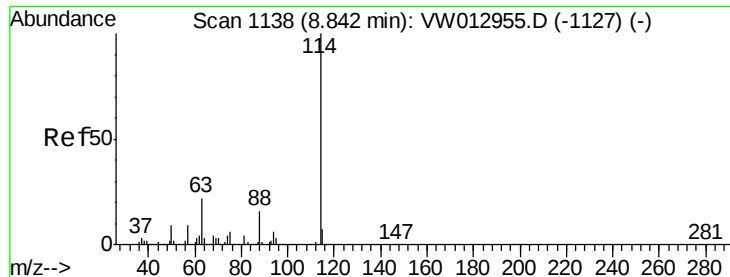
67 52.7 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

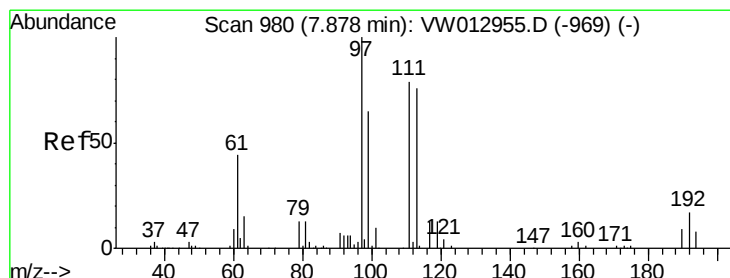
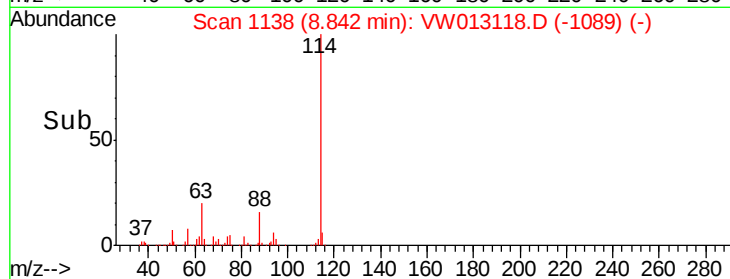
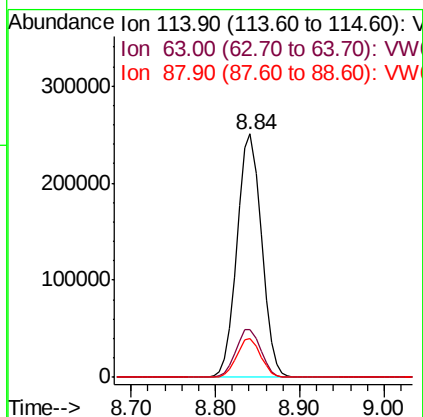
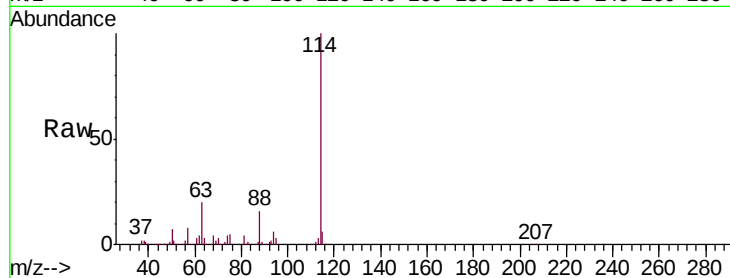




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013118.D
 Acq: 18 Sep 2019 17:19

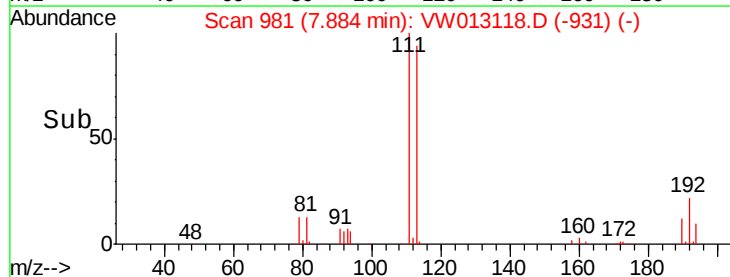
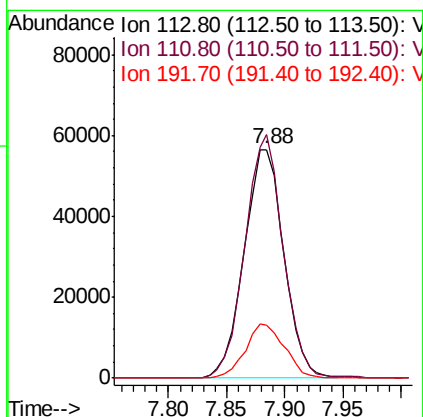
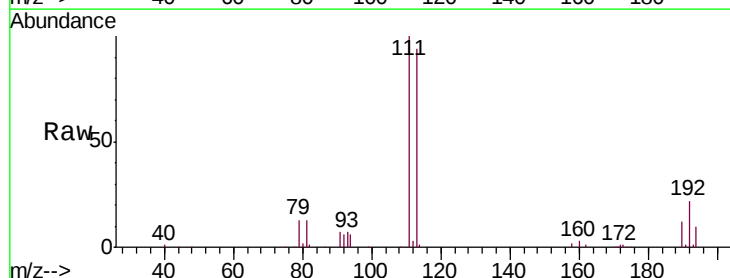
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-47-9.5-10.0

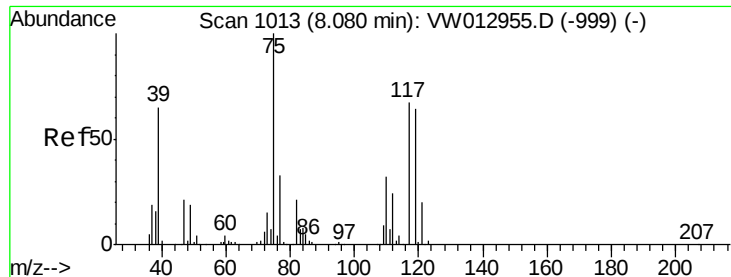
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.4
88	16.1	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.635 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013118.D
 Acq: 18 Sep 2019 17:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	23.4	17.8	26.8





#36

1,1-Dichloropropene

Concen: 5.695 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

SB-47-9.5-10.0

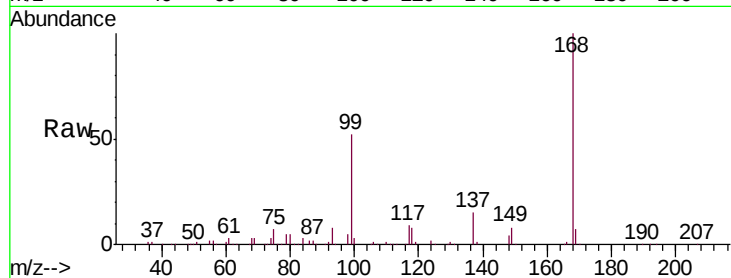
Tgt Ion: 75 Resp: 22276

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

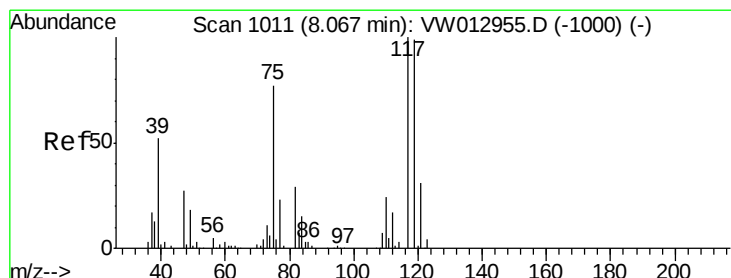
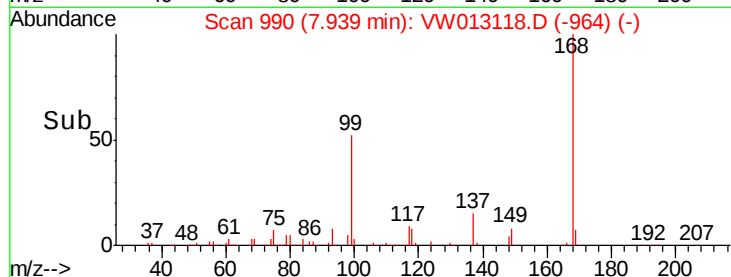
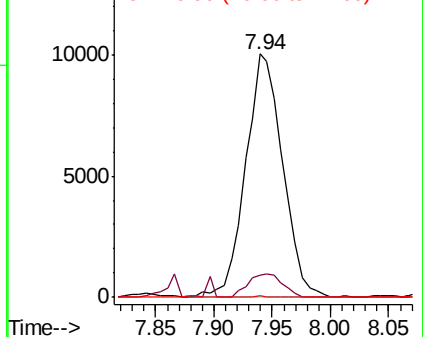
77 0.1 25.1 37.7#



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: 7.173 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

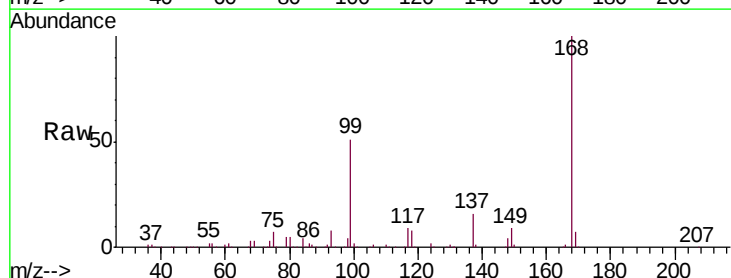
Tgt Ion: 117 Resp: 28752

Ion Ratio Lower Upper

117 100

119 5.5 79.4 119.0#

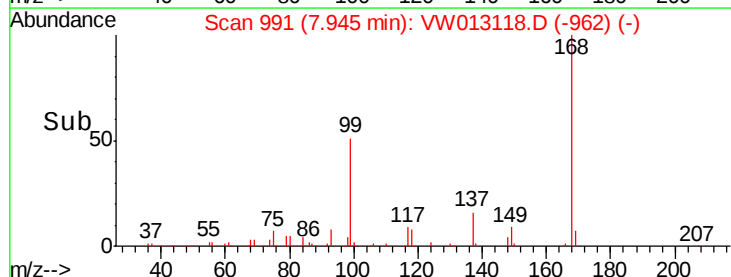
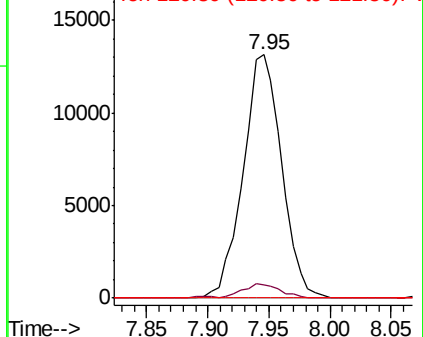
121 0.0 24.6 36.8#

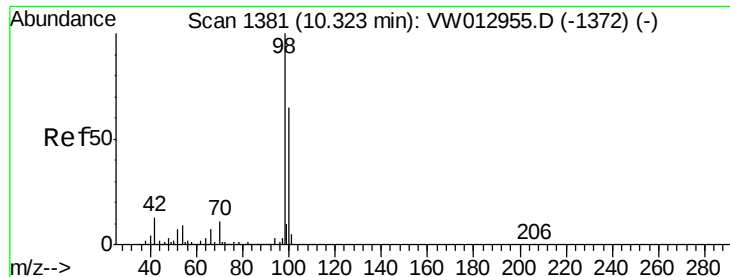


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.626 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

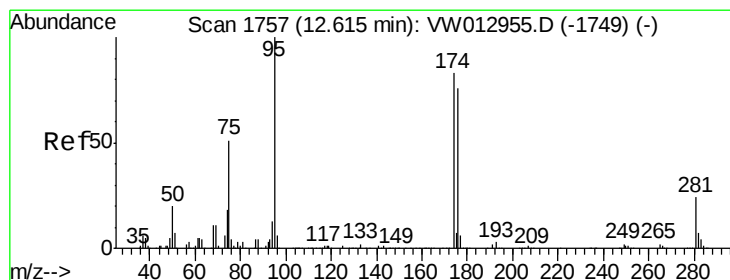
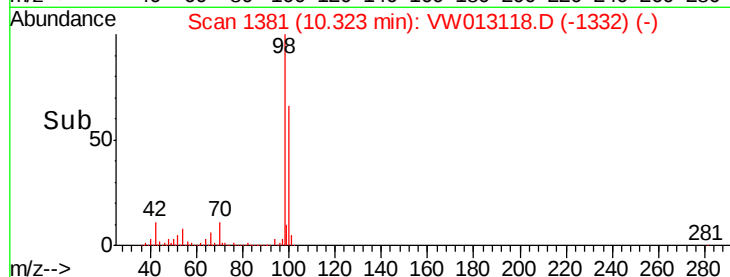
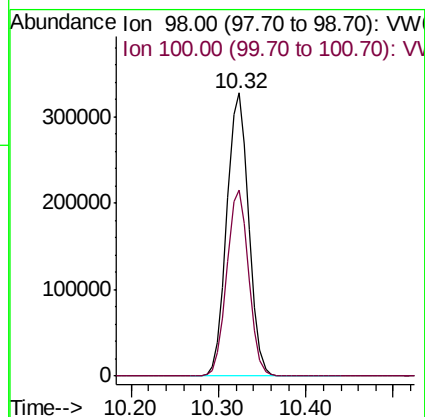
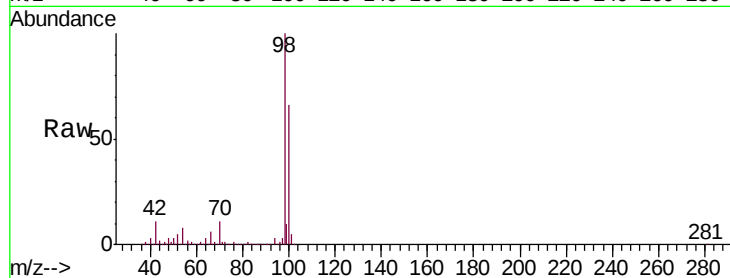
SB-47-9.5-10.0

Tgt Ion: 98 Resp: 567772

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.446 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

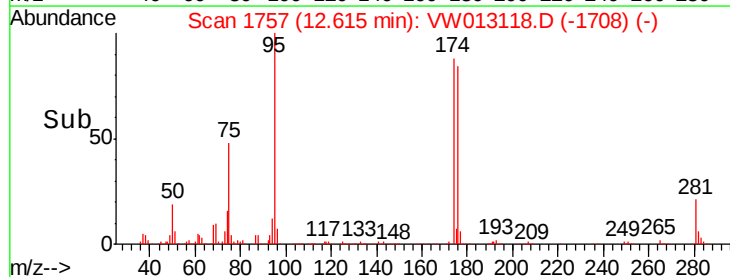
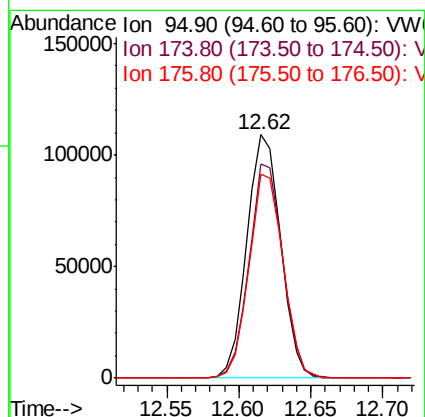
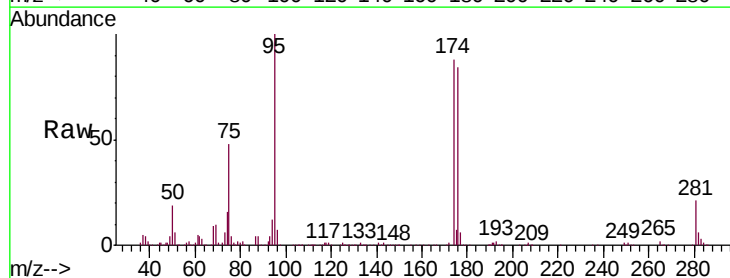
Tgt Ion: 95 Resp: 177322

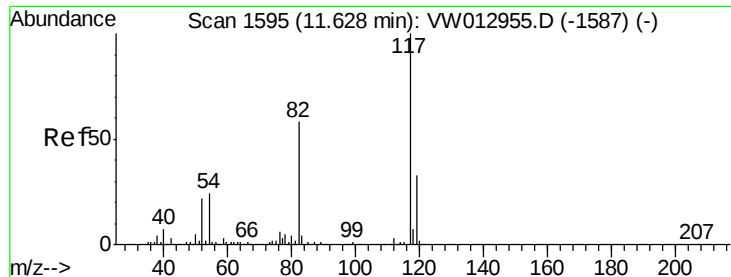
Ion Ratio Lower Upper

95 100

174 87.2 0.0 170.4

176 84.4 0.0 164.6

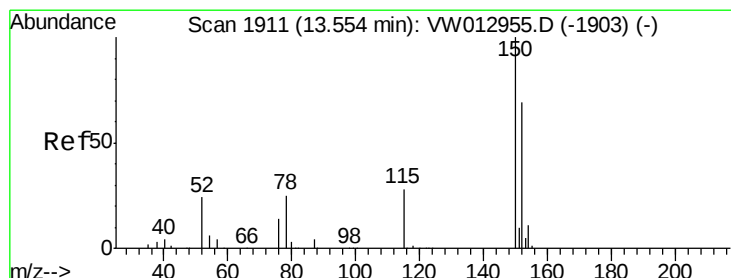
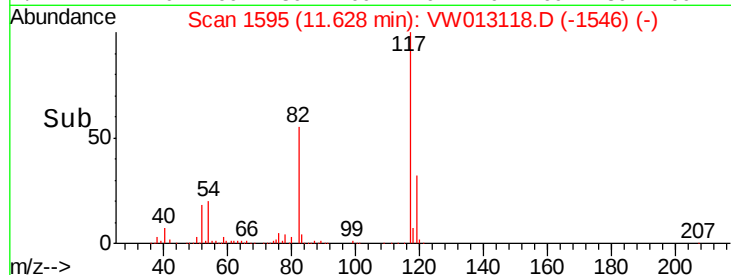
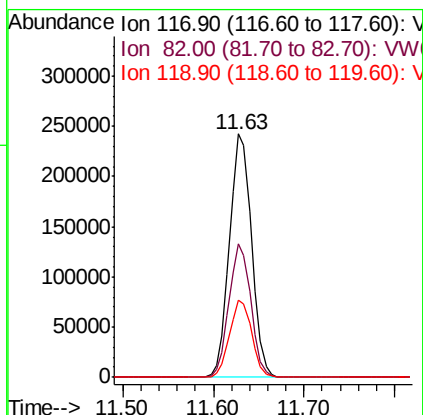
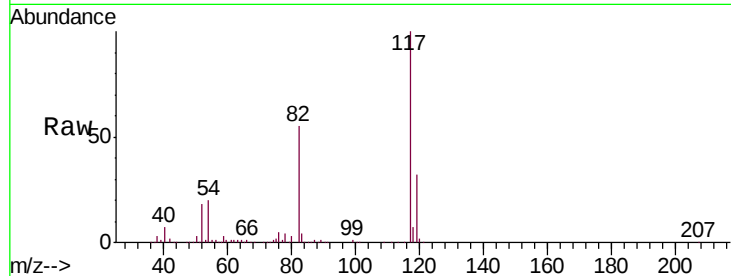




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013118.D
Acq: 18 Sep 2019 17:19

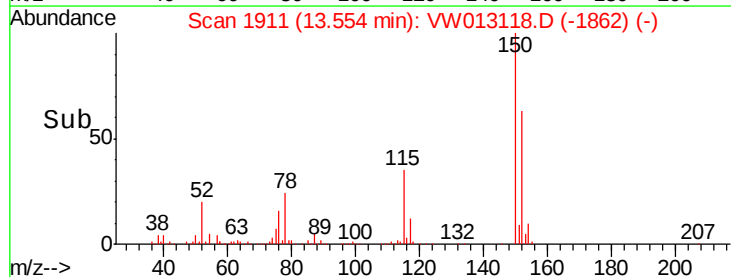
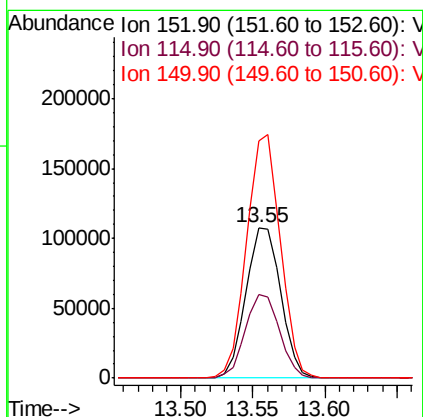
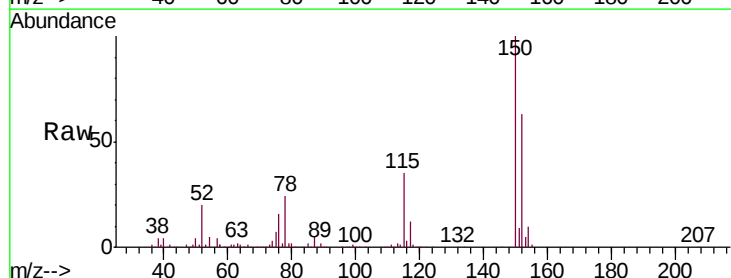
Instrument :
MSVOA_W
ClientSampleId :
SB-47-9.5-10.0

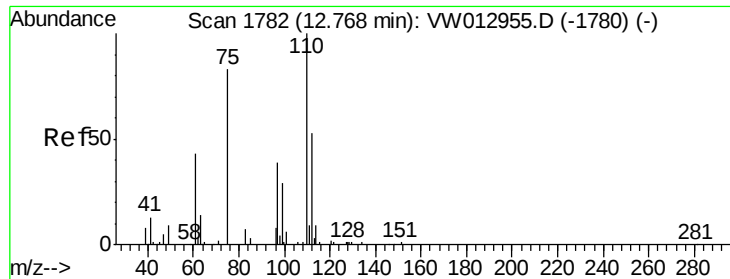
Tgt Ion:117 Resp: 409509
Ion Ratio Lower Upper
117 100
82 54.6 46.3 69.5
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013118.D
Acq: 18 Sep 2019 17:19

Tgt Ion:152 Resp: 179794
Ion Ratio Lower Upper
152 100
115 54.6 28.8 86.4
150 156.9 0.0 340.2





#76

1,2,3-Trichloropropane

Concen: 53.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

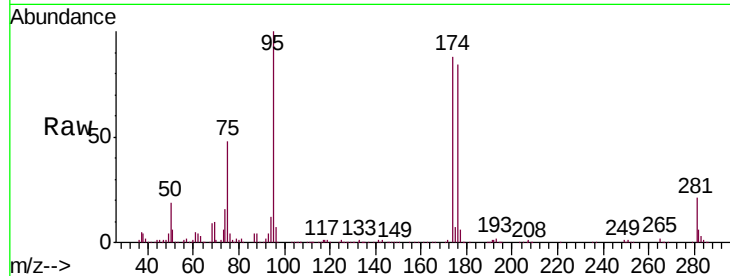
SB-47-9.5-10.0

Tgt Ion: 75 Resp: 84356

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

60000

50000

40000

30000

20000

10000

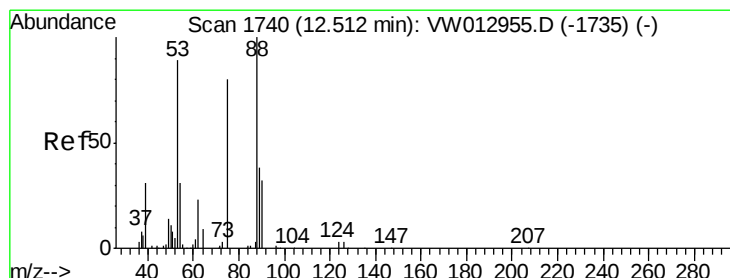
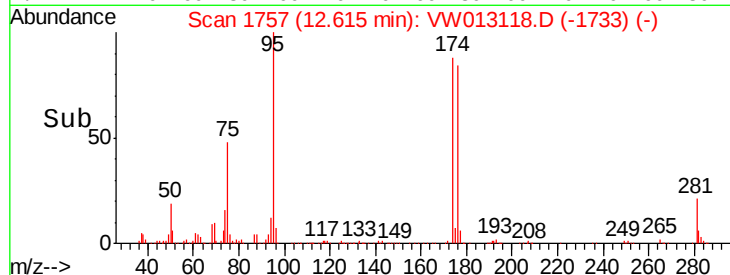
0

12.50

12.60

12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 121.510 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013118.D

Acq: 18 Sep 2019 17:19

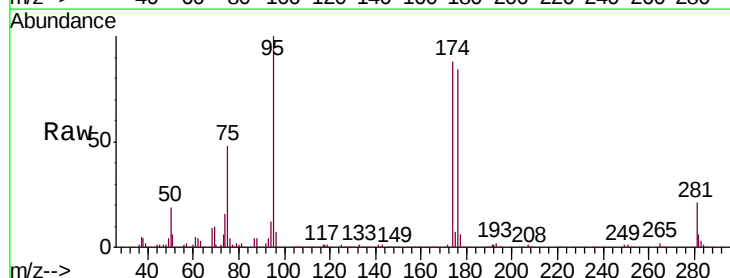
Tgt Ion: 75 Resp: 84356

Ion Ratio Lower Upper

75 100

53 0.1 85.6 128.4#

89 0.2 37.2 55.8#



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

60000

50000

40000

30000

20000

10000

0

12.50

12.60

12.70

Time-->

