

Data File : VW013119.D
Acq On : 18 Sep 2019 17:45
Operator : SY/VA
Sample : K4923-07
Misc : 4.98G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-51-5.5-6.0

Quant Time: Sep 19 07:56:40 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	323932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	487231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135764	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	7.88	113	137660	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	567940	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
62) 4-Bromofluorobenzene	12.62	95	174566	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

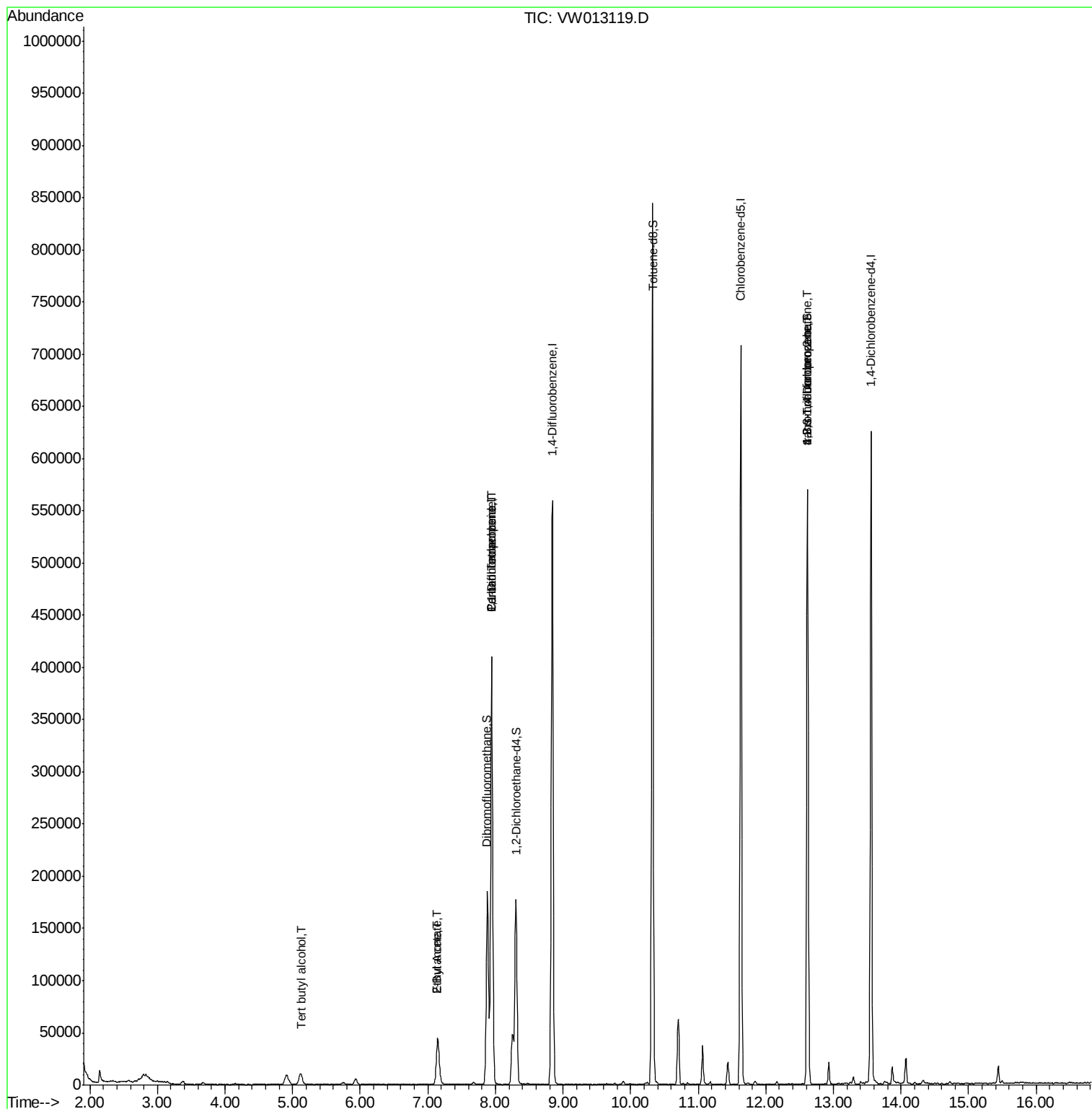
						Qvalue
2) Dichlorodifluoromethane	2.01	85	686	Below Cal	#	44
3) Chloromethane	2.20	50	170	Below Cal	#	41
11) Tert butyl alcohol	5.12	59	10182	31.715	ug/l #	72
13) Acrolein	3.93	56	26	Below Cal	#	15
16) Acetone	4.15	43	2060	Below Cal	#	87
20) Methylene Chloride	4.92	84	7289	Below Cal		91
25) 2-Butanone	7.14	43	2571	2.703	ug/l #	89
26) 2,2-Dichloropropane	7.15	77	3634	Below Cal	#	55
31) Cyclohexane	7.95	56	5828	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	23006	5.909	ug/l #	50
37) Ethyl Acetate	7.14	43	2571	1.244	ug/l #	1
38) Carbon Tetrachloride	7.95	117	28902	7.244	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	84458	55.438	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84458	125.760	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: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

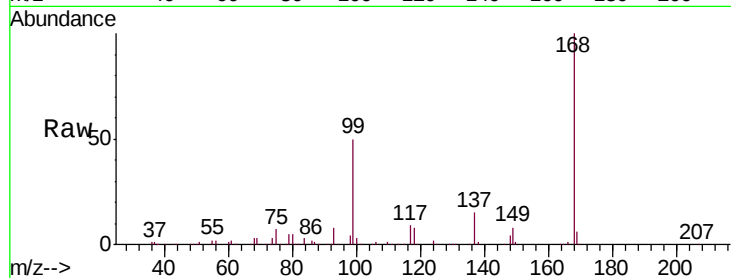
SB-51-5.5-6.0

Tgt Ion:168 Resp: 323932

Ion Ratio Lower Upper

168 100

99 49.8 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

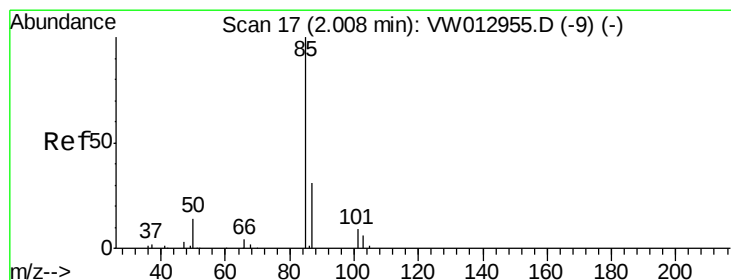
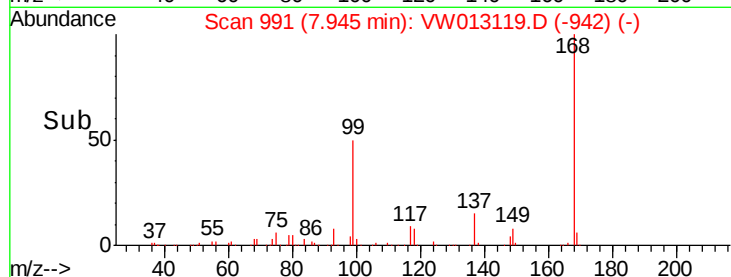
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013119.D

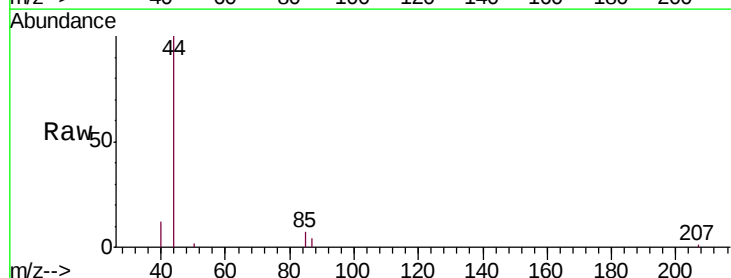
Acq: 18 Sep 2019 17:45

Tgt Ion: 85 Resp: 686

Ion Ratio Lower Upper

85 100

87 61.7 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

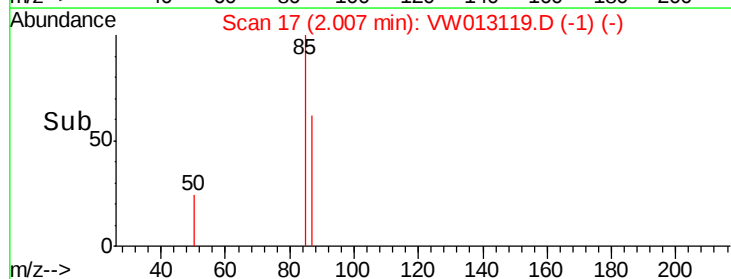
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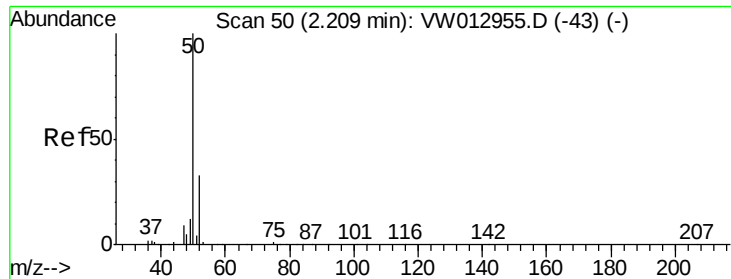
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

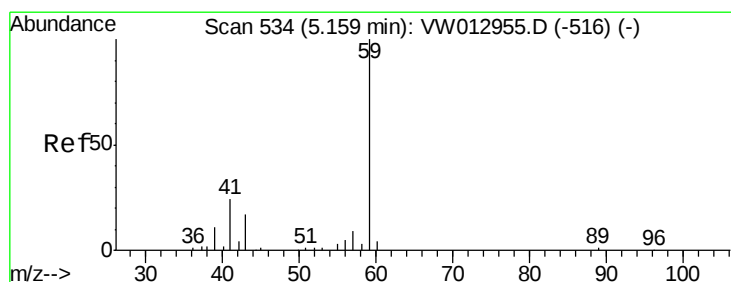
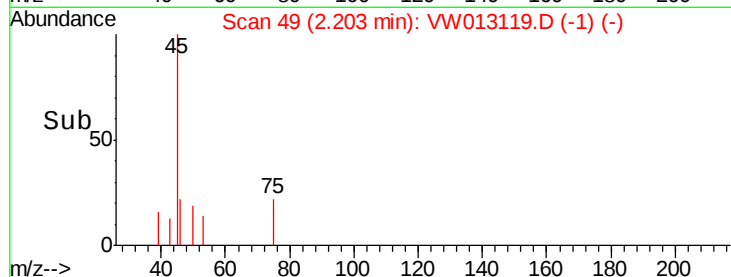
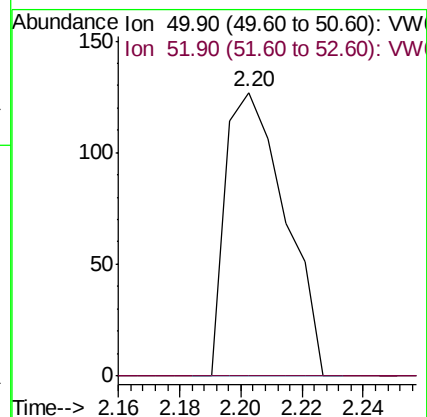
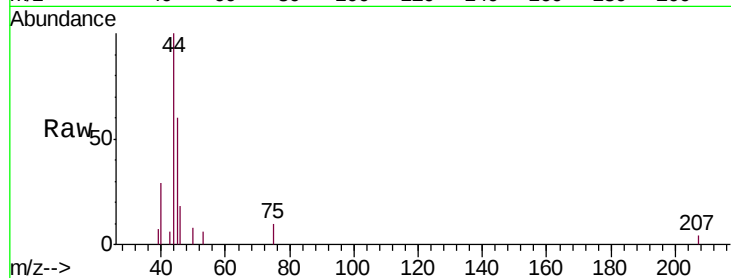
SB-51-5.5-6.0

Tgt Ion: 50 Resp: 170

Ion Ratio Lower Upper

50 100

52 0.0 26.6 39.8#



#11

Tert butyl alcohol

Concen: 31.715 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW013119.D

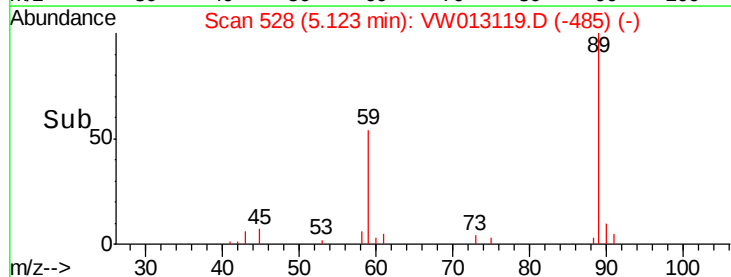
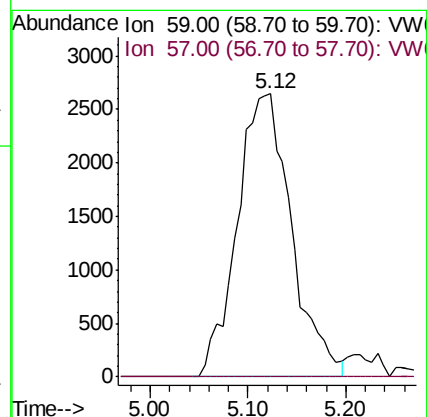
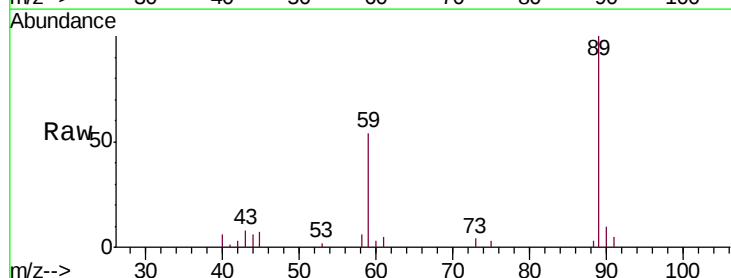
Acq: 18 Sep 2019 17:45

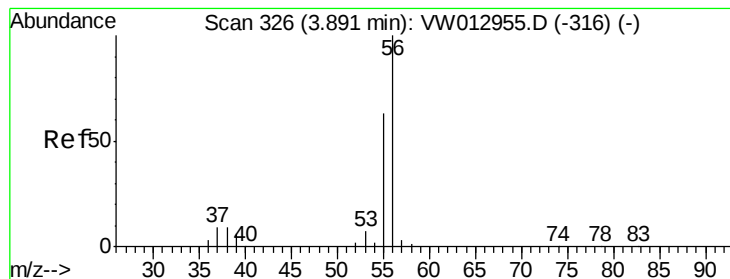
Tgt Ion: 59 Resp: 10182

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: Below Cal

RT: 3.93 min Scan# 333

Delta R.T. 0.04 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

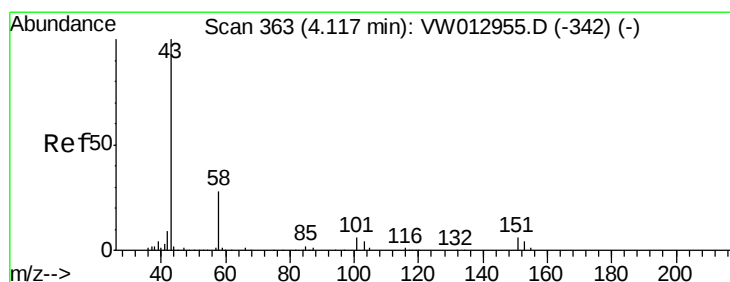
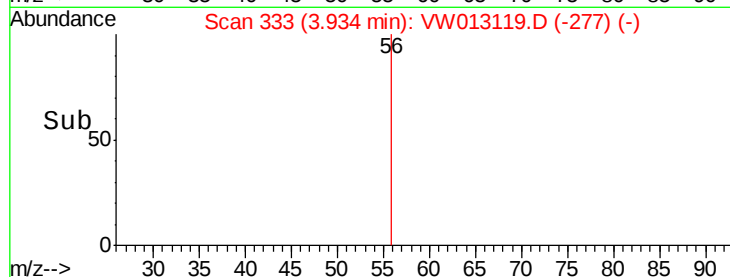
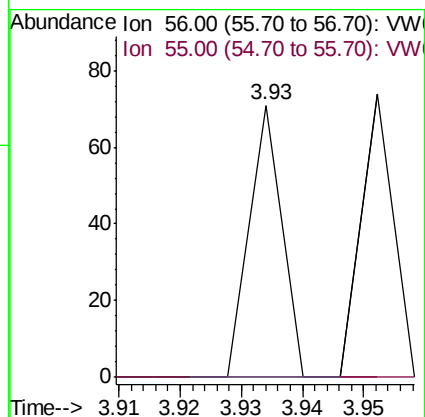
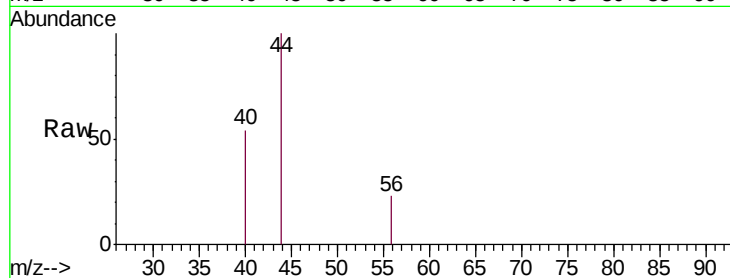
SB-51-5.5-6.0

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 4.15 min Scan# 369

Delta R.T. 0.04 min

Lab File: VW013119.D

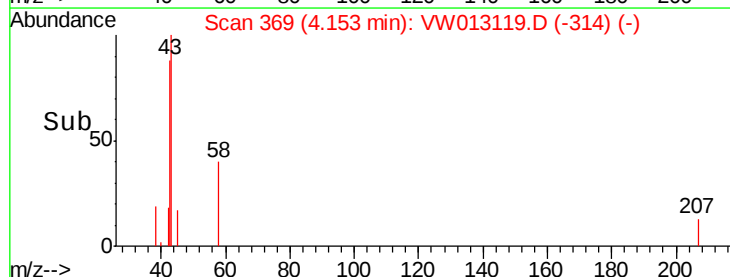
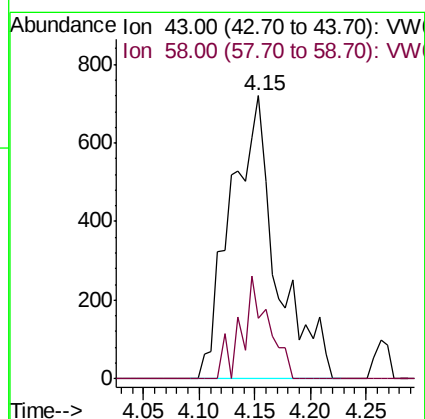
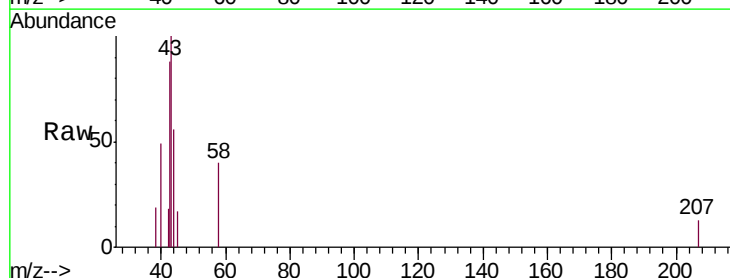
Acq: 18 Sep 2019 17:45

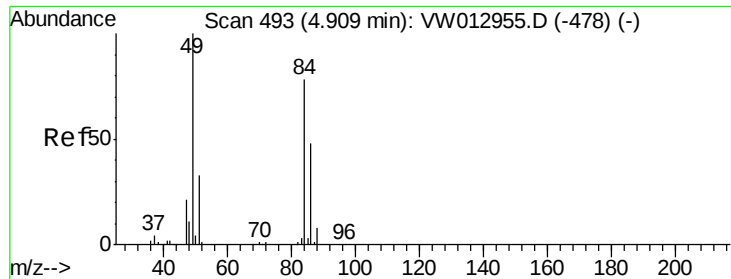
Tgt Ion: 43 Resp: 2060

Ion Ratio Lower Upper

43 100

58 21.3 22.3 33.5#

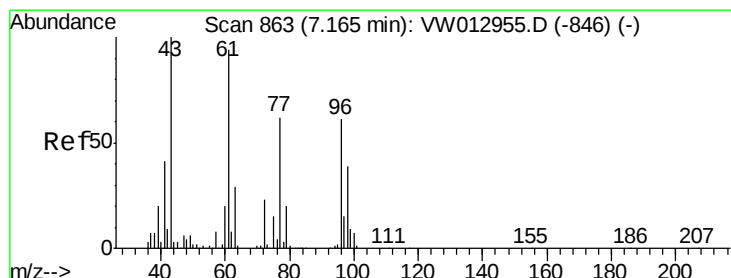
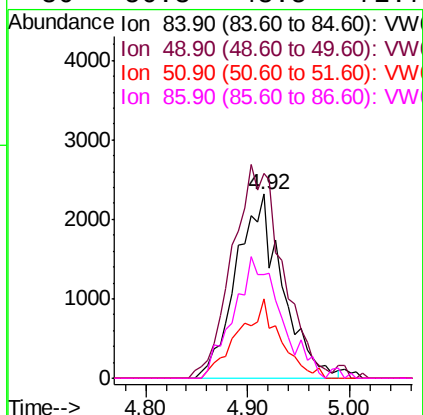
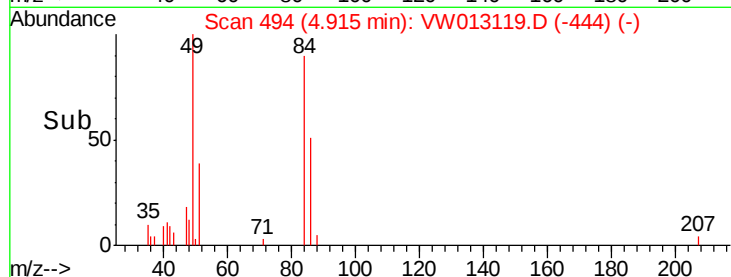
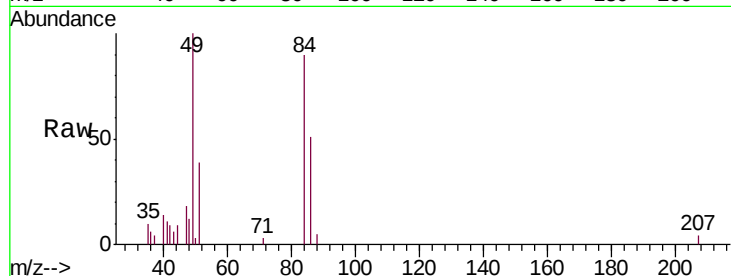




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

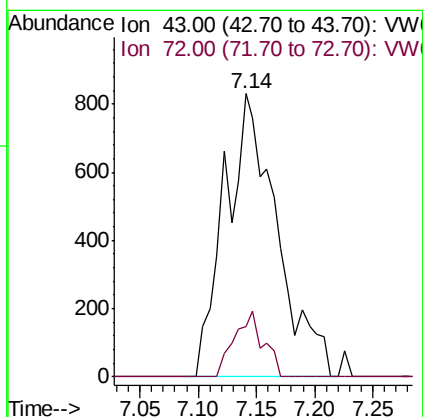
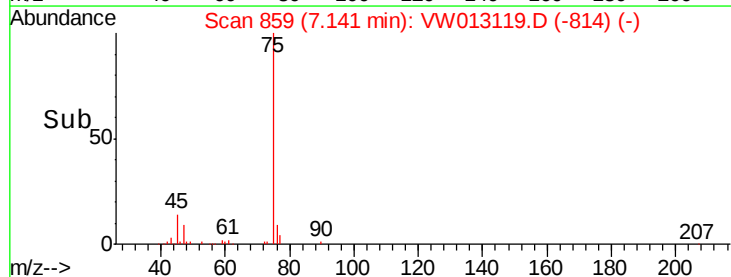
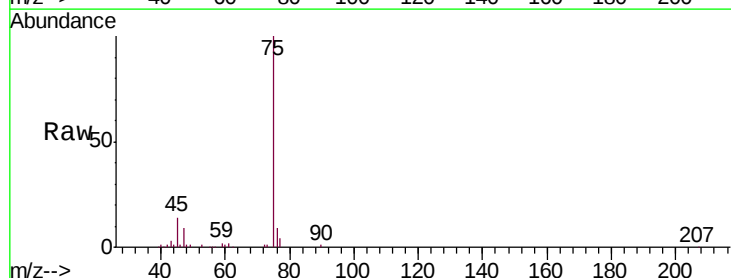
Instrument :
MSVOA_W
ClientSampleId :
SB-51-5.5-6.0

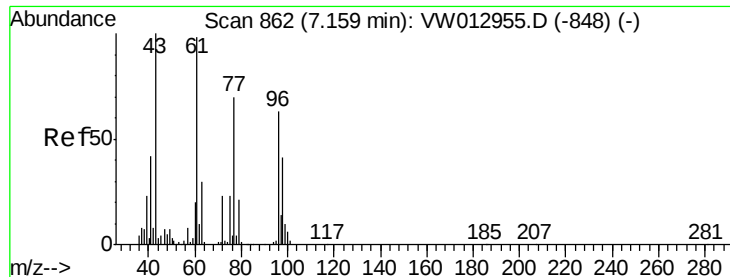
Tgt Ion: 84 Resp: 7289
Ion Ratio Lower Upper
84 100
49 111.3 102.0 153.0
51 43.2 34.0 51.0
86 56.3 48.5 72.7



#25
2-Butanone
Concen: 2.703 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

Tgt Ion: 43 Resp: 2571
Ion Ratio Lower Upper
43 100
72 17.7 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: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

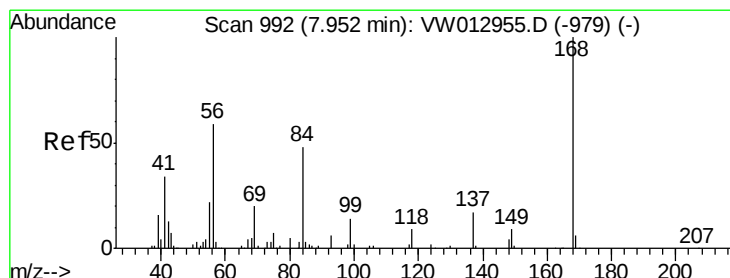
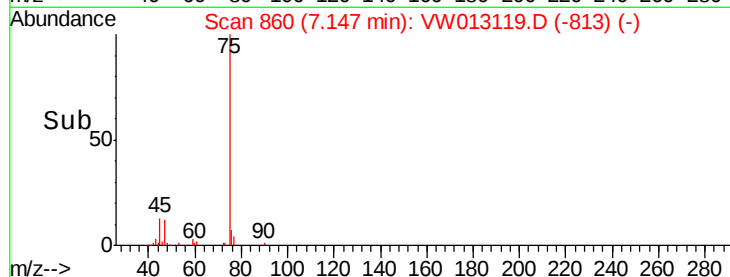
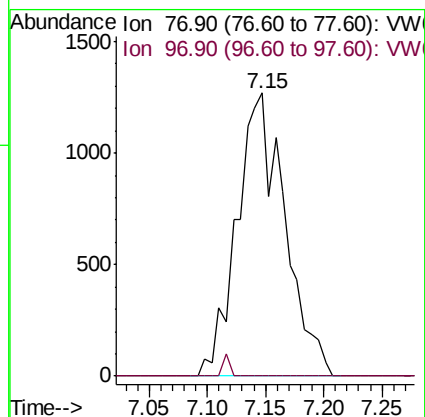
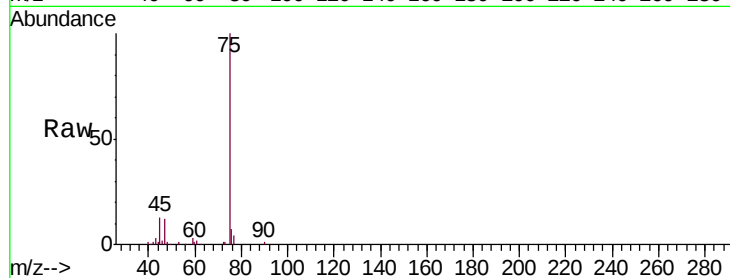
SB-51-5.5-6.0

Tgt Ion: 77 Resp: 3634

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: VW013119.D

Acq: 18 Sep 2019 17:45

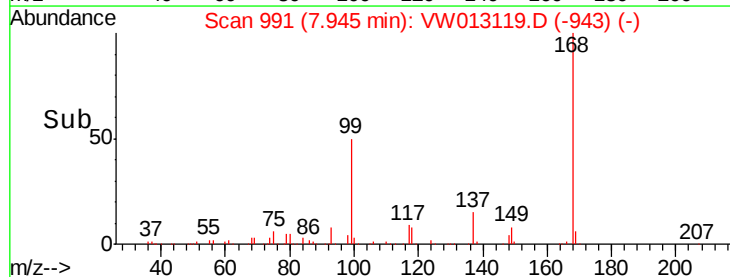
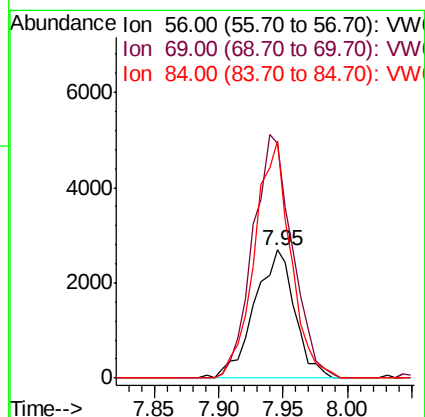
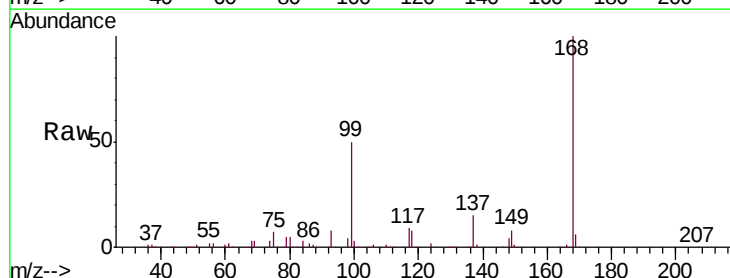
Tgt Ion: 56 Resp: 5828

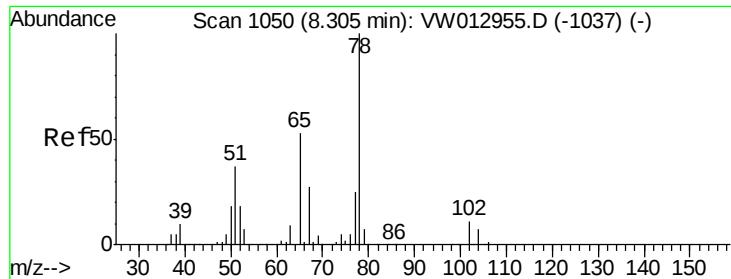
Ion Ratio Lower Upper

56 100

69 183.5 27.0 40.6#

84 185.3 66.2 99.2#





#33

1,2-Dichloroethane-d4

Concen: 45.380 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

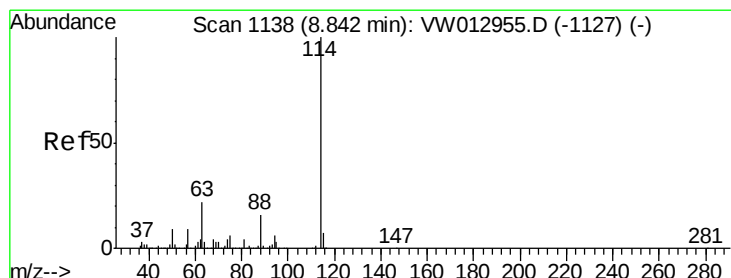
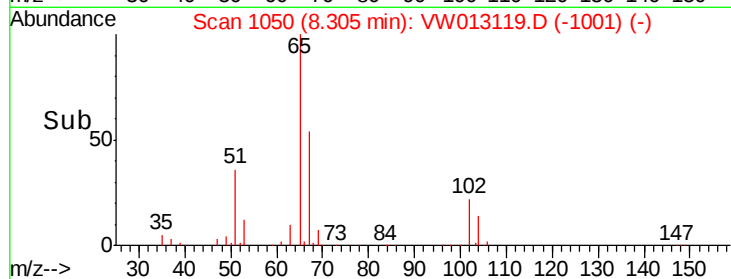
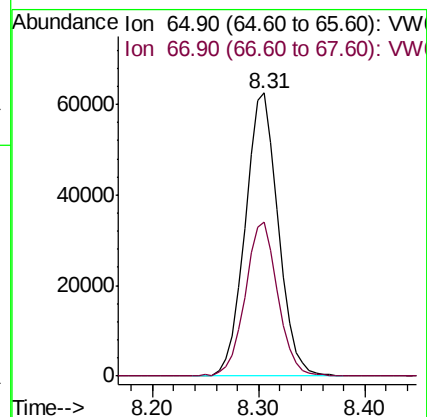
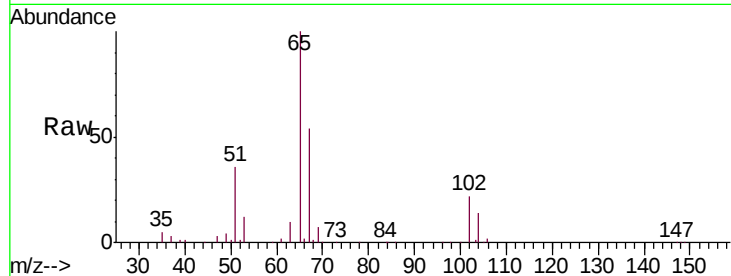
SB-51-5.5-6.0

Tgt Ion: 65 Resp: 135764

Ion Ratio Lower Upper

65 100

67 53.9 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: VW013119.D

Acq: 18 Sep 2019 17:45

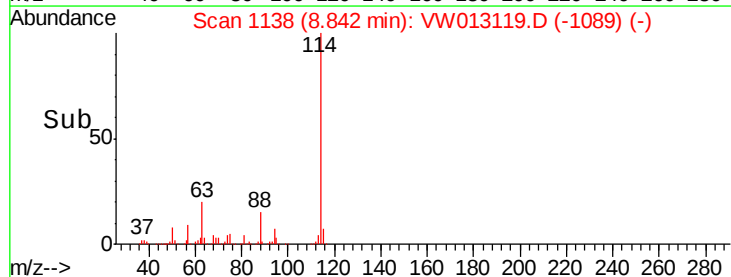
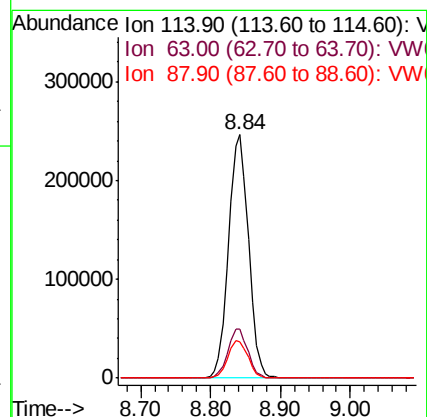
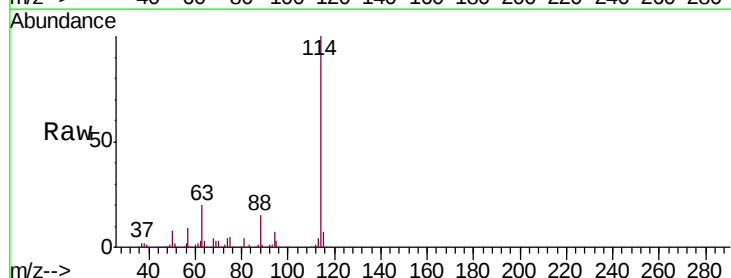
Tgt Ion: 114 Resp: 487231

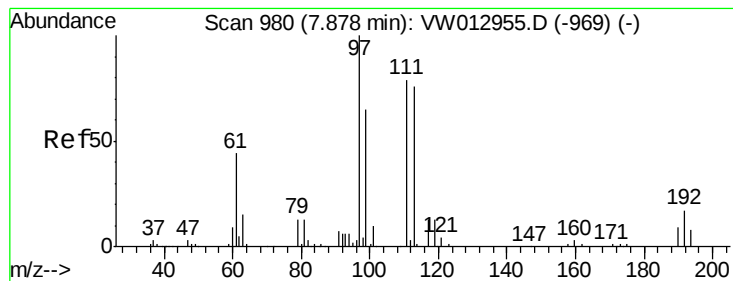
Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.4

88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 52.070 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

SB-51-5.5-6.0

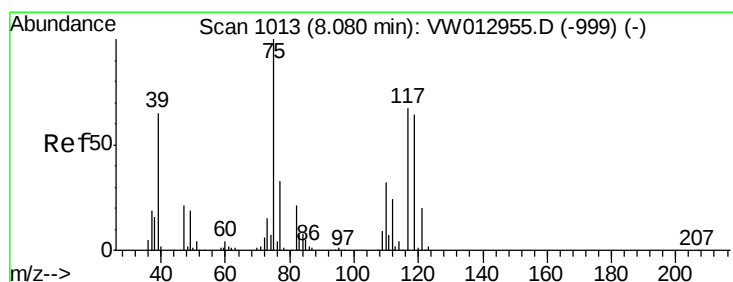
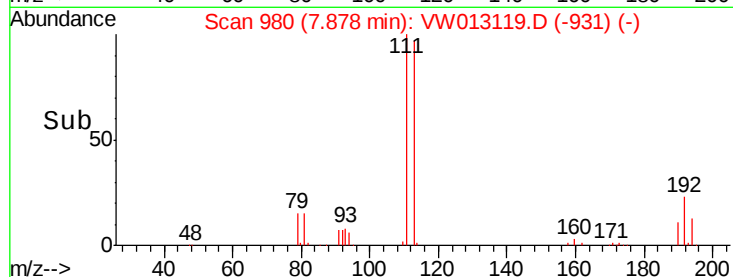
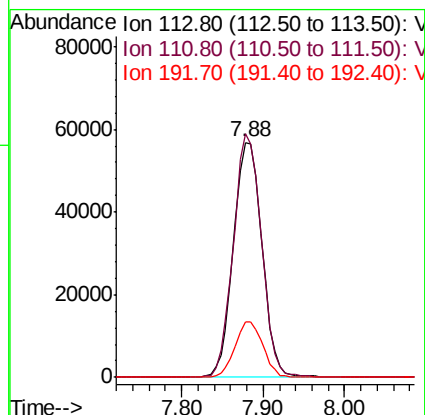
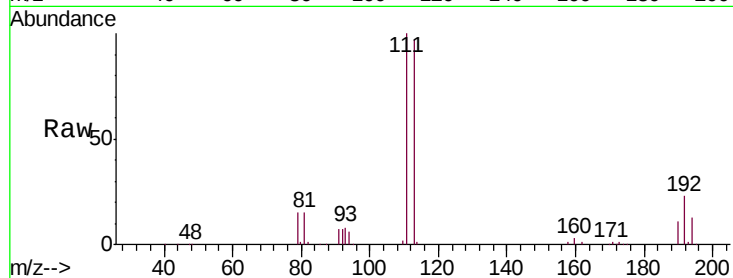
Tgt Ion:113 Resp: 137660

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 23.0 17.8 26.8



#36

1,1-Dichloropropene

Concen: 5.909 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

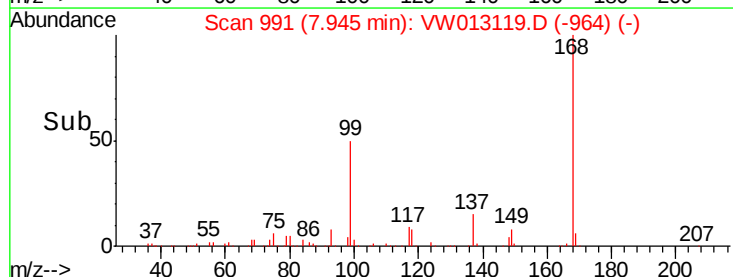
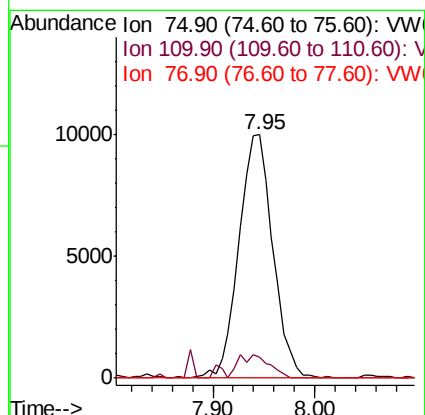
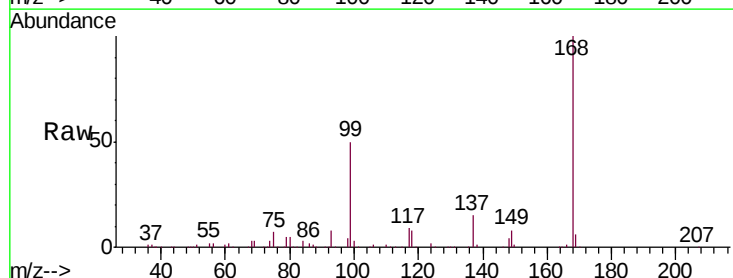
Tgt Ion: 75 Resp: 23006

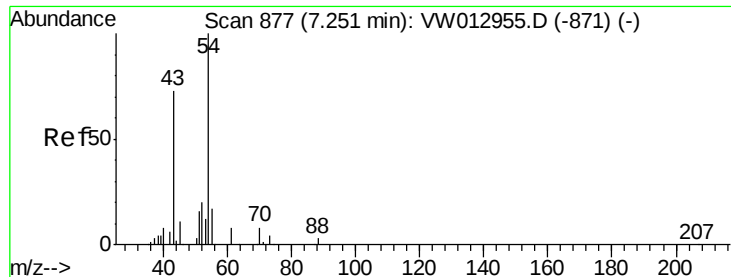
Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 25.1 37.7#

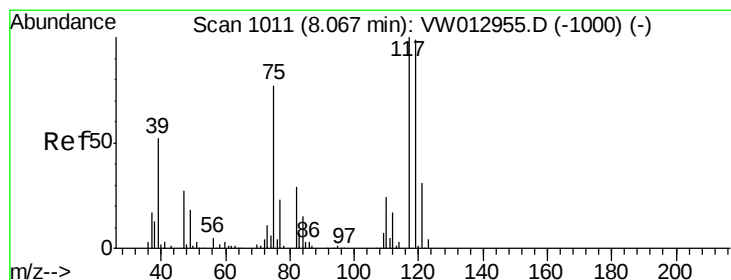
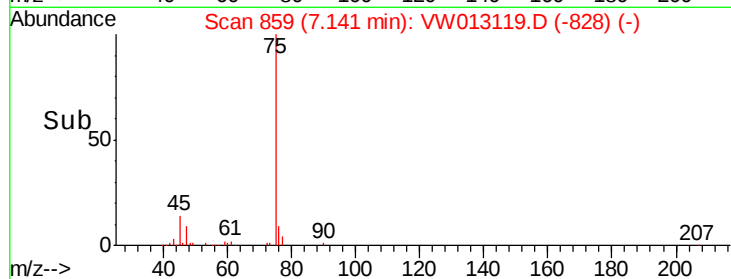
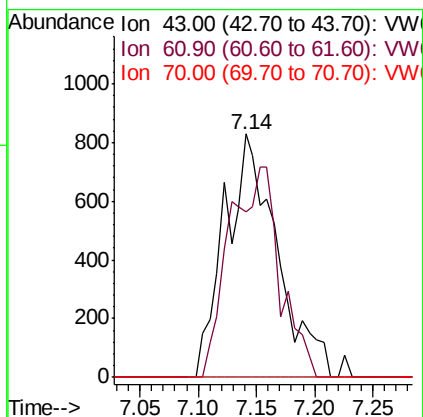
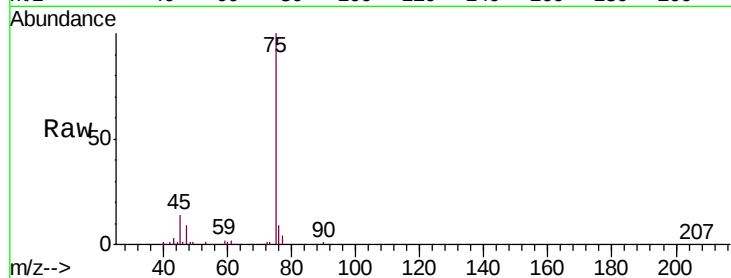




#37
Ethyl Acetate
Concen: 1.244 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.11 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

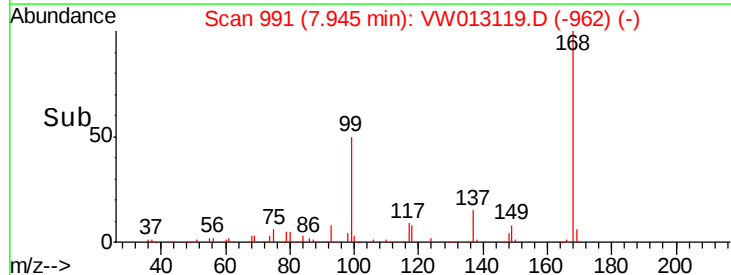
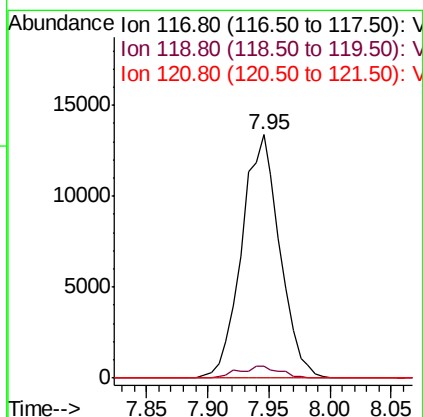
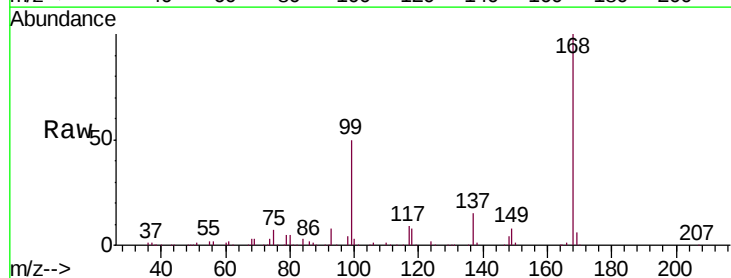
Instrument :
MSVOA_W
ClientSampleId :
SB-51-5.5-6.0

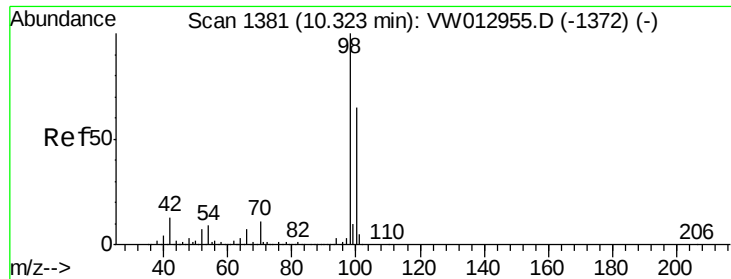
Tgt Ion: 43 Resp: 2571
Ion Ratio Lower Upper
43 100
61 84.3 9.6 14.4#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 7.244 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

Tgt Ion: 117 Resp: 28902
Ion Ratio Lower Upper
117 100
119 5.1 79.4 119.0#
121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 54.898 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

Instrument :

MSVOA_W

ClientSampleId :

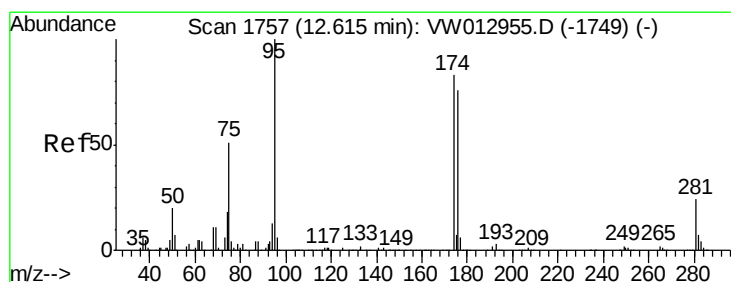
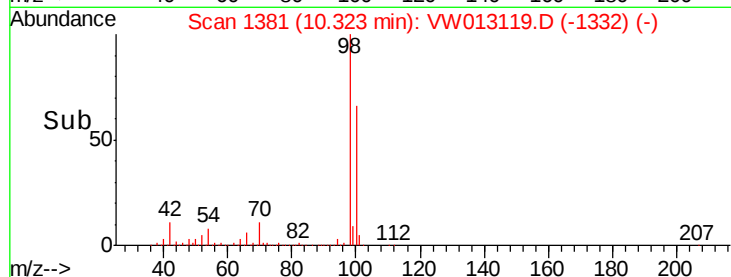
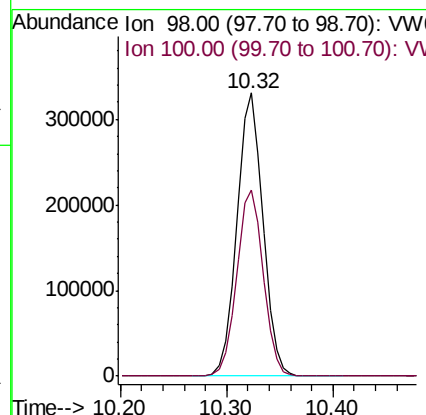
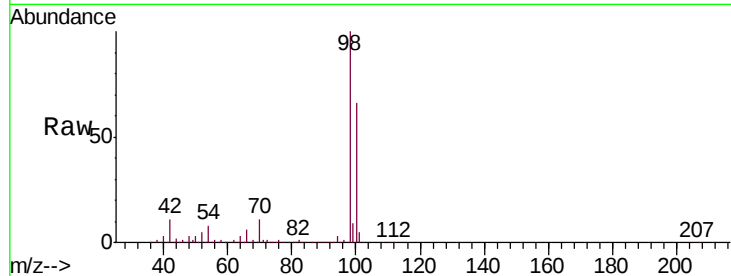
SB-51-5.5-6.0

Tgt Ion: 98 Resp: 567940

Ion Ratio Lower Upper

98 100

100 66.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.927 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013119.D

Acq: 18 Sep 2019 17:45

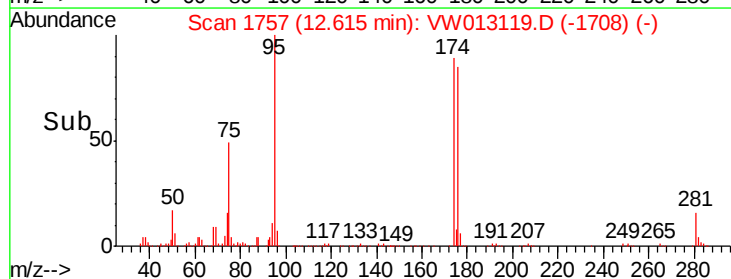
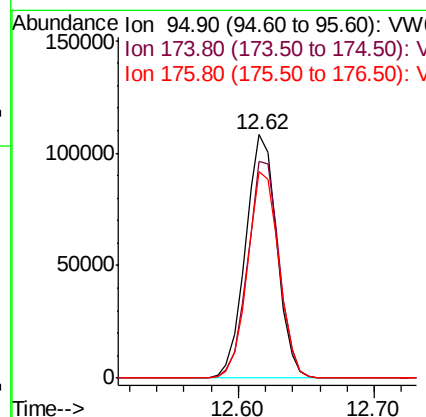
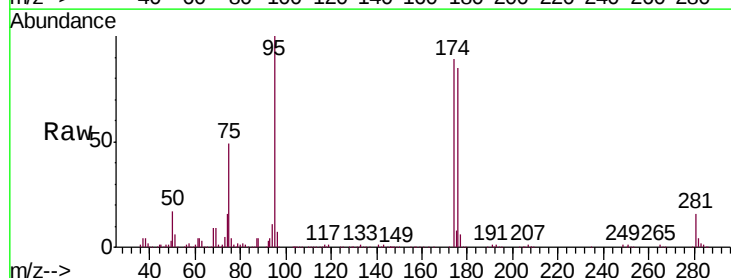
Tgt Ion: 95 Resp: 174566

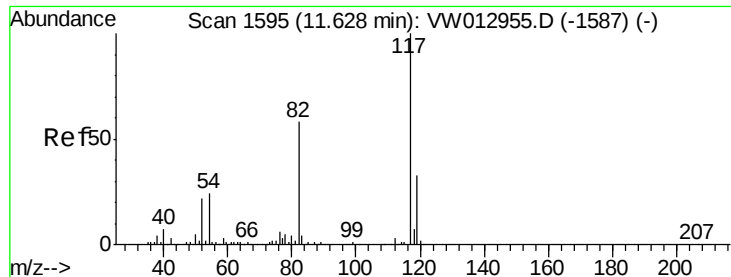
Ion Ratio Lower Upper

95 100

174 89.3 0.0 170.4

176 85.3 0.0 164.6

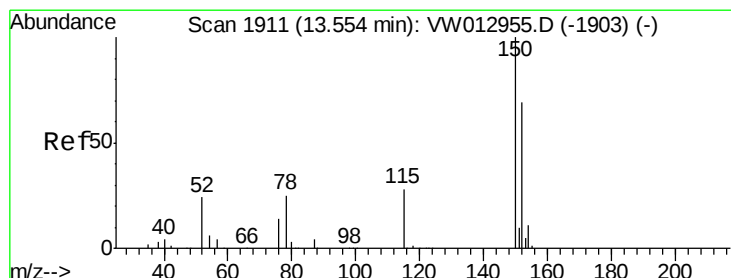
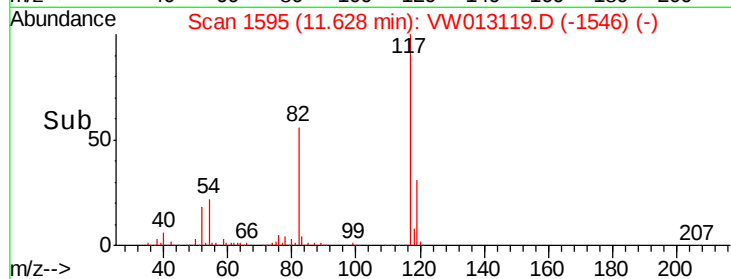
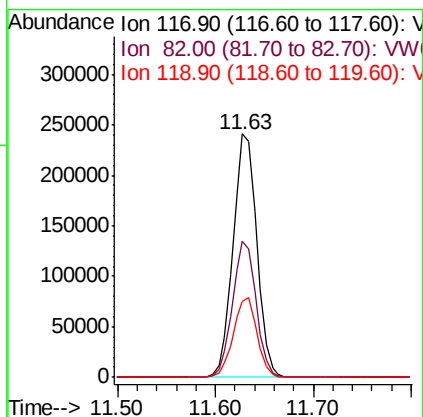
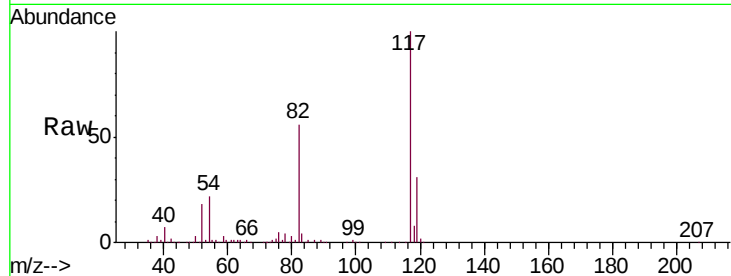




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

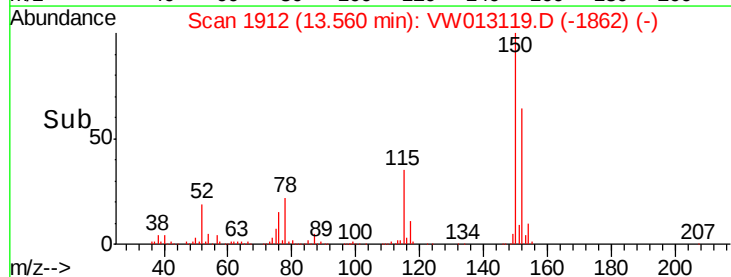
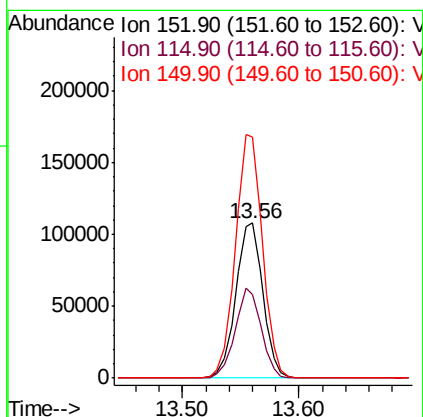
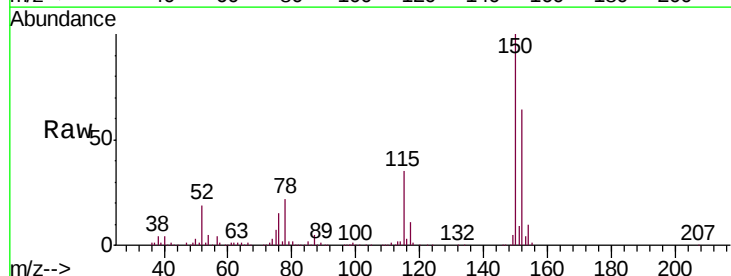
Instrument :
MSVOA_W
ClientSampleId :
SB-51-5.5-6.0

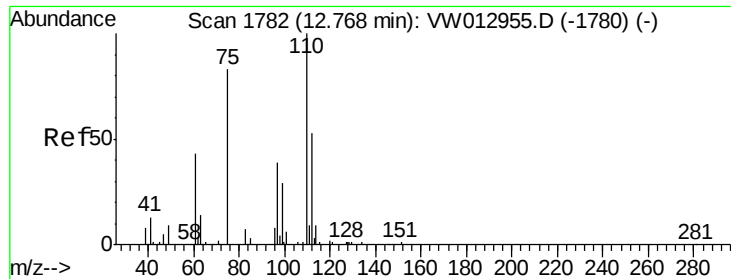
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.3	69.5
119	31.2	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.01 min
Lab File: VW013119.D
Acq: 18 Sep 2019 17:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.8	86.4
150	157.0	0.0	340.2

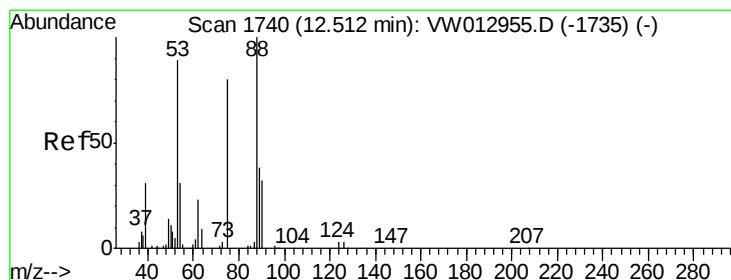
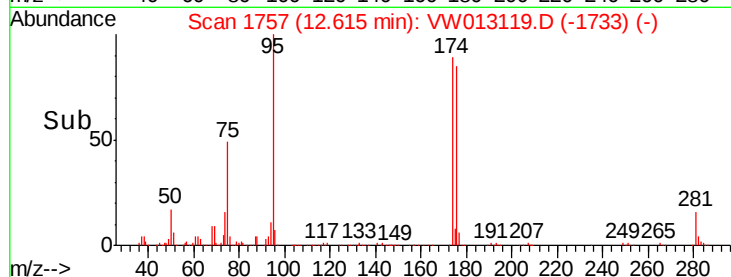
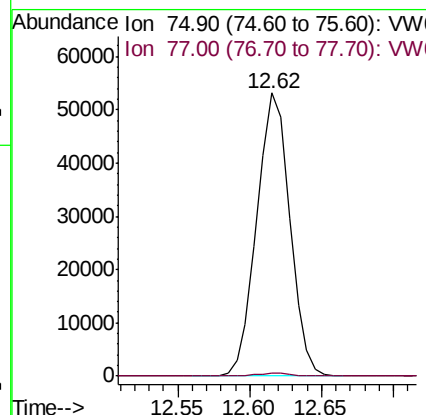
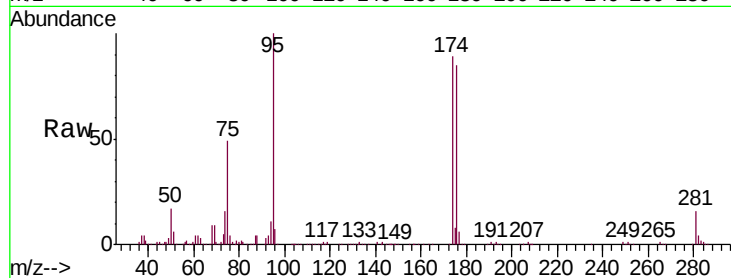




#76
 1,2,3-Trichloropropane
 Concen: 55.438 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013119.D
 Acq: 18 Sep 2019 17:45

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-51-5.5-6.0

Tgt Ion: 75 Resp: 84458
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.760 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013119.D
 Acq: 18 Sep 2019 17:45

Tgt Ion: 75 Resp: 84458
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.6 128.4#
 89 0.1 37.2 55.8#

