

Data File : VW013120.D
Acq On : 18 Sep 2019 18:11
Operator : SY/VA
Sample : K4923-09
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-46-9.5-10.0

Quant Time: Sep 19 07:56:56 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	332793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	180385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136003	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	7.88	113	138090	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.32	98	580382	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
62) 4-Bromofluorobenzene	12.62	95	178625	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

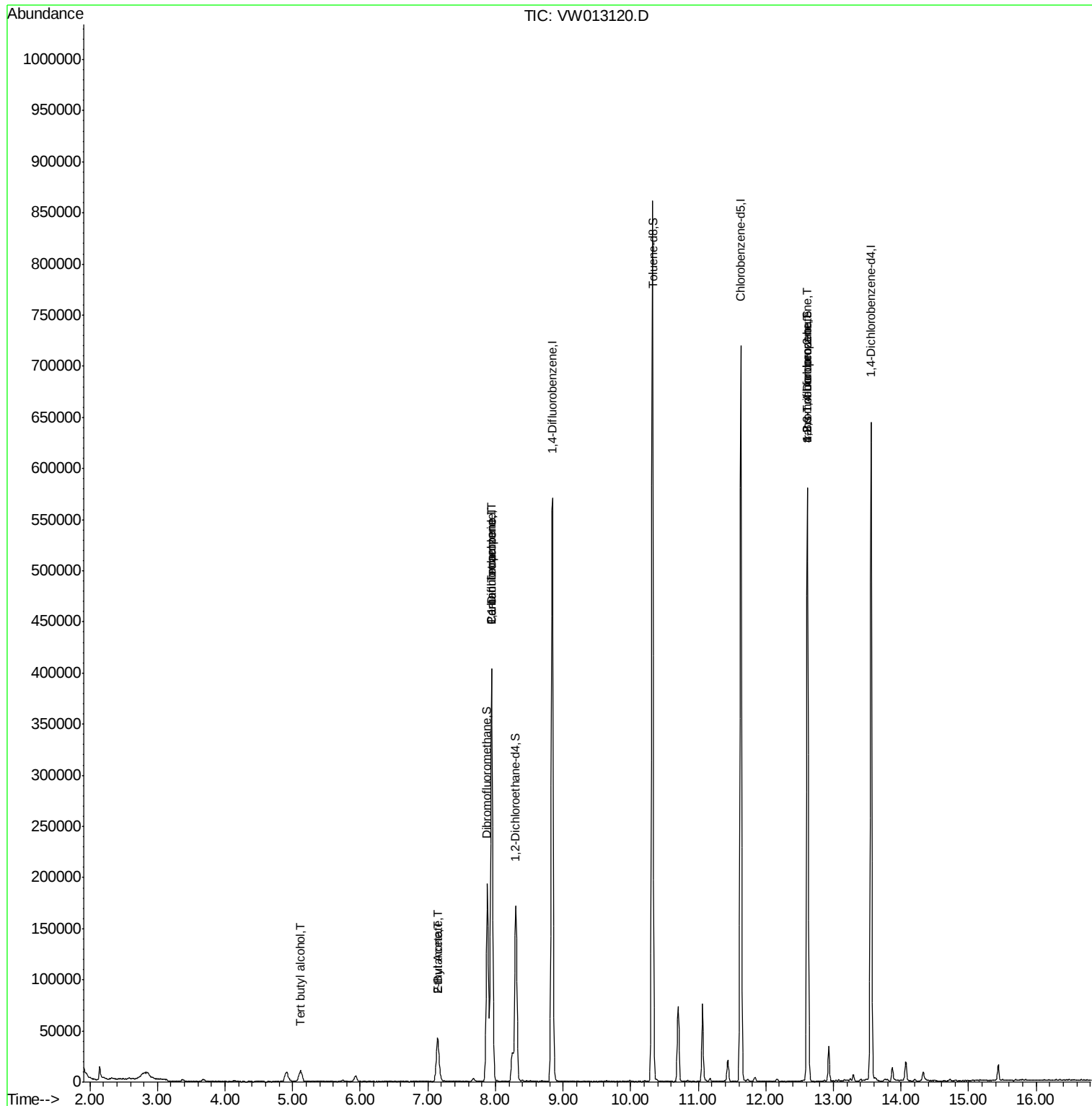
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.02	85	109	Below Cal	#	44
3) Chloromethane	2.20	50	235	Below Cal	#	87
11) Tert butyl alcohol	5.12	59	9858	28.539	ug/l #	73
16) Acetone	4.13	43	617	Below Cal	#	83
20) Methylene Chloride	4.90	84	7608	Below Cal	#	79
25) 2-Butanone	7.15	43	2631	2.692	ug/l	91
26) 2,2-Dichloropropane	7.14	77	3392	Below Cal	#	55
31) Cyclohexane	7.94	56	5653	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	23355	5.848	ug/l #	50
37) Ethyl Acetate	7.15	43	2631	1.241	ug/l #	1
38) Carbon Tetrachloride	7.95	117	29290	7.156	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	85594	54.172	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85594	122.889	ug/l #	7

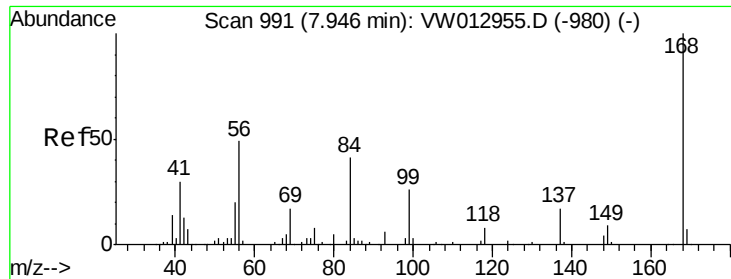
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

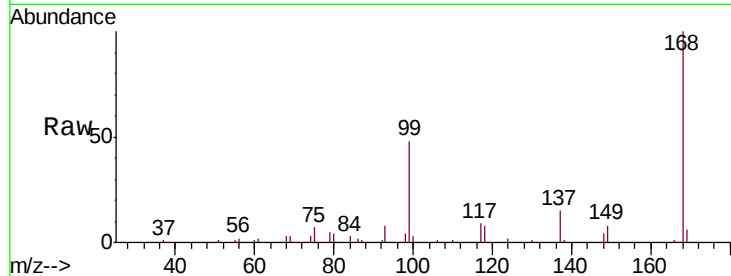
SB-46-9.5-10.0

Tgt Ion: 168 Resp: 332793

Ion Ratio Lower Upper

168 100

99 48.4 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

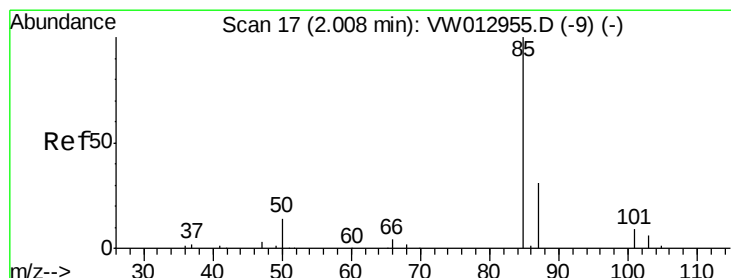
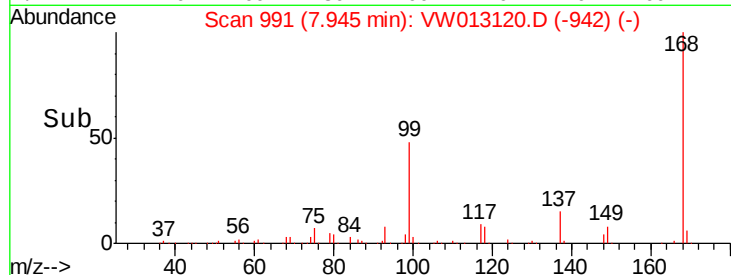
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW013120.D

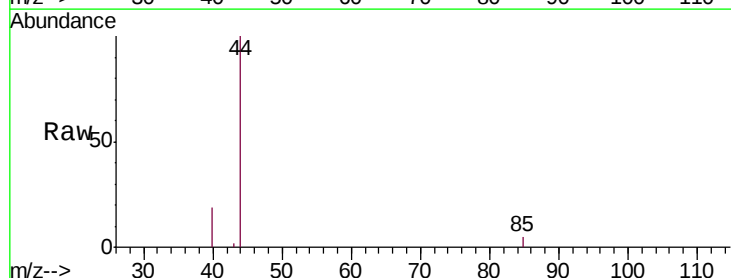
Acq: 18 Sep 2019 18:11

Tgt Ion: 85 Resp: 109

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

2.02

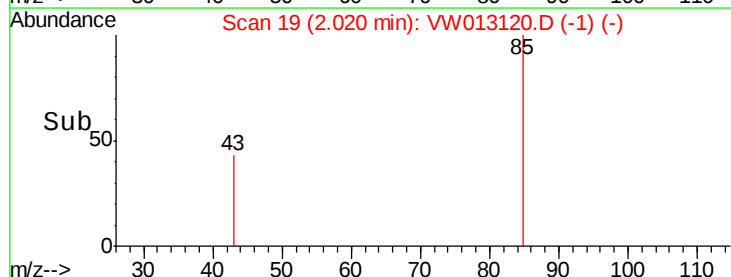
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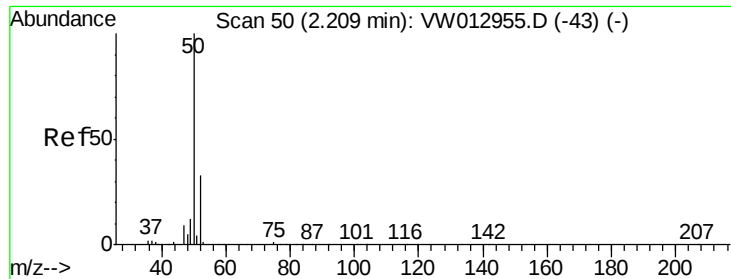
100

50

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

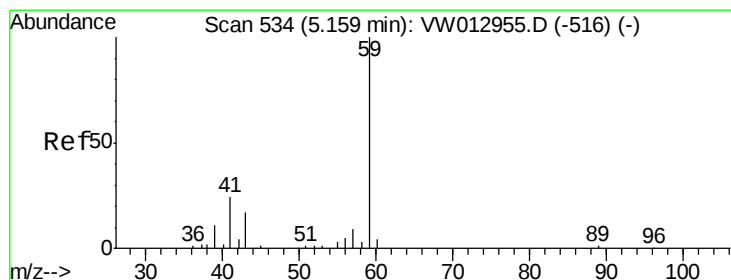
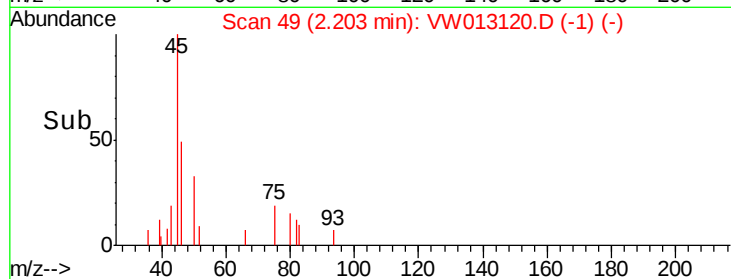
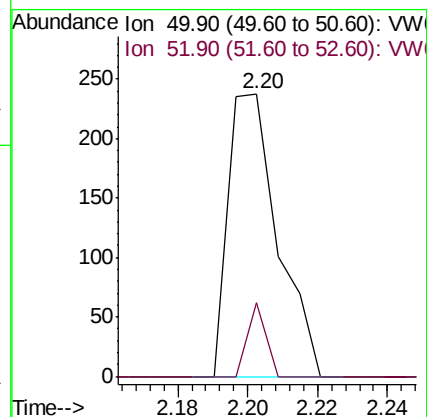
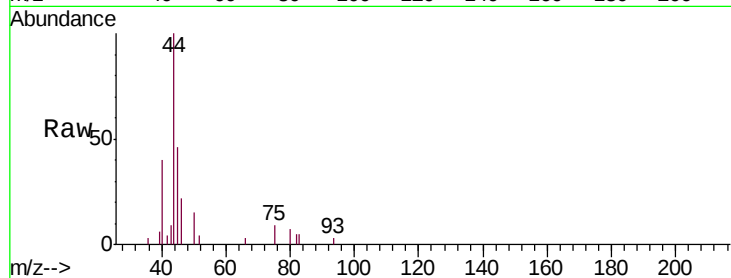
SB-46-9.5-10.0

Tgt Ion: 50 Resp: 235

Ion Ratio Lower Upper

50 100

52 26.1 26.6 39.8#



#11

Tert butyl alcohol

Concen: 28.539 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW013120.D

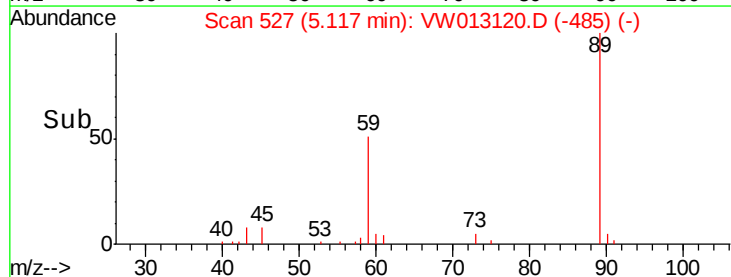
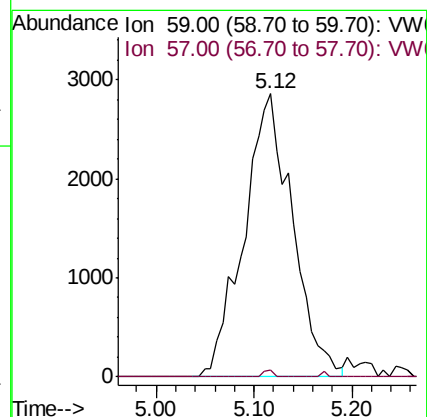
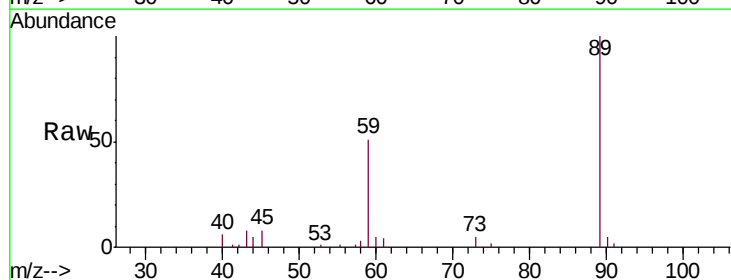
Acq: 18 Sep 2019 18:11

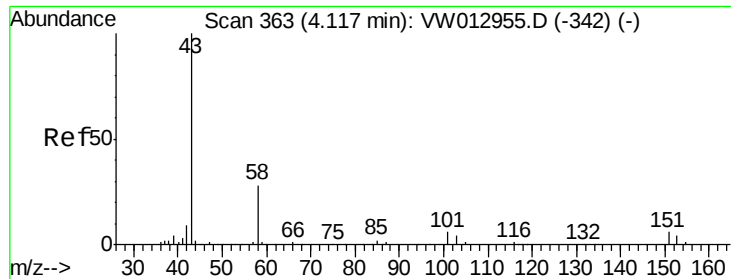
Tgt Ion: 59 Resp: 9858

Ion Ratio Lower Upper

59 100

57 0.5 8.5 12.7#





#16

Acetone

Concen: Below Cal

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

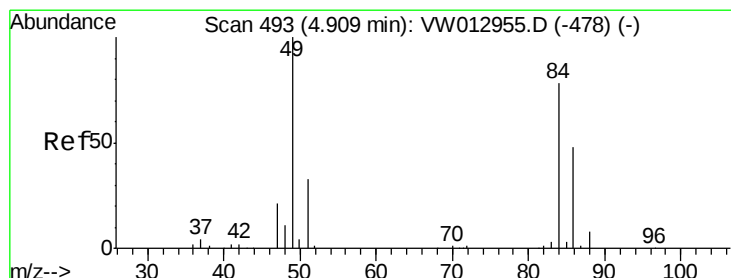
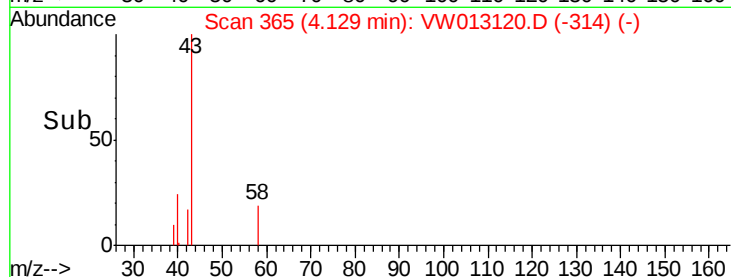
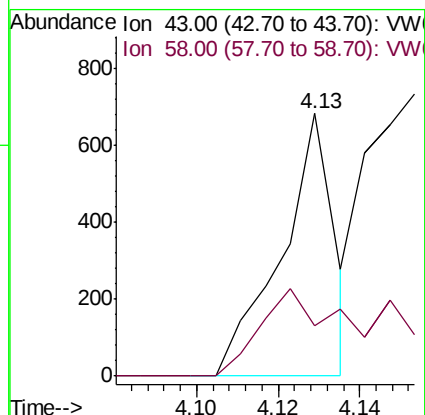
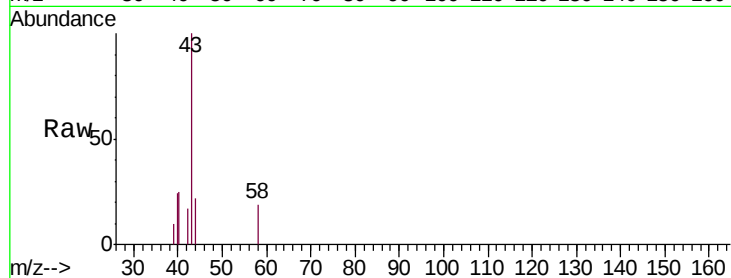
SB-46-9.5-10.0

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

58 19.2 22.3 33.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

Tgt Ion: 84 Resp: 7608

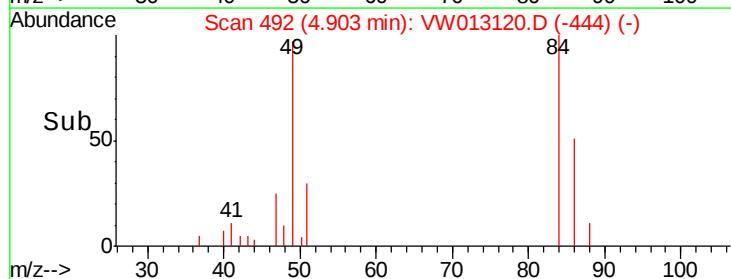
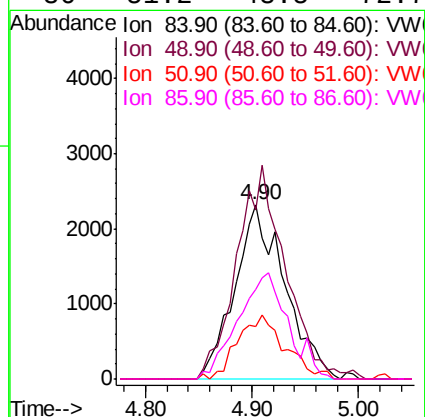
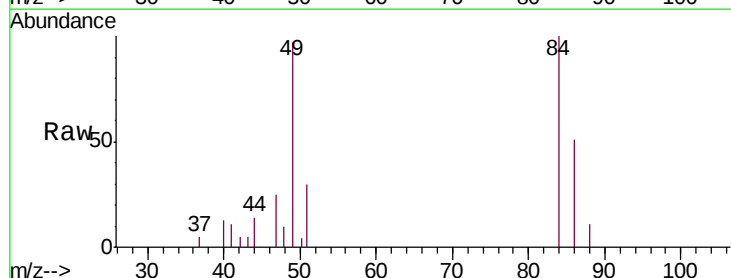
Ion Ratio Lower Upper

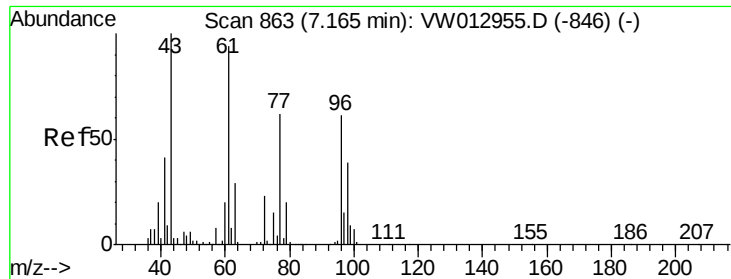
84 100

49 97.0 102.0 153.0#

51 30.4 34.0 51.0#

86 51.2 48.5 72.7





#25

2-Butanone

Concen: 2.692 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

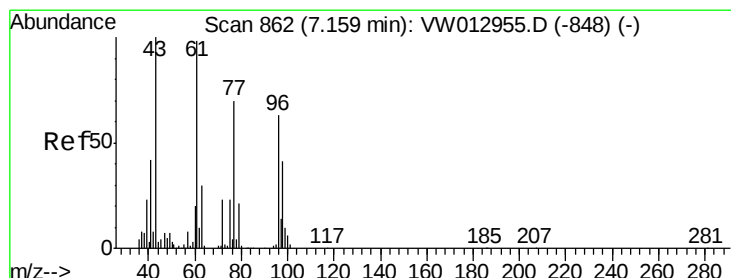
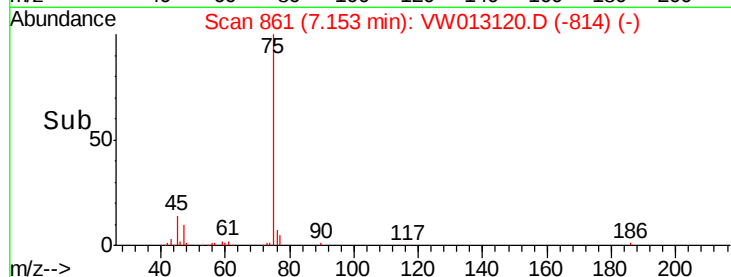
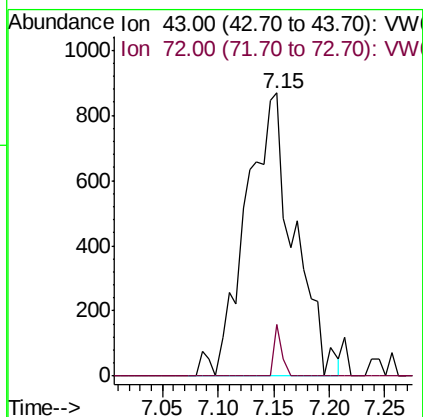
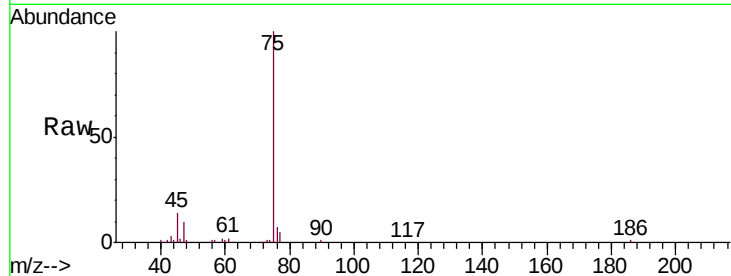
SB-46-9.5-10.0

Tgt Ion: 43 Resp: 2631

Ion Ratio Lower Upper

43 100

72 18.3 18.2 27.4



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW013120.D

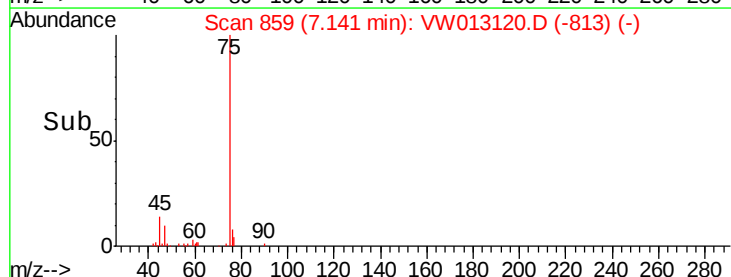
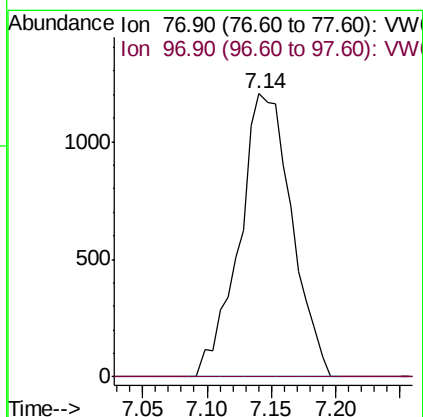
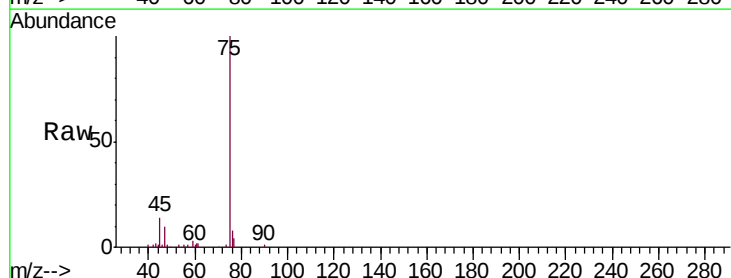
Acq: 18 Sep 2019 18:11

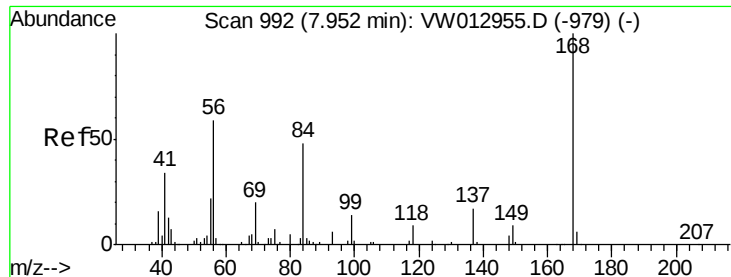
Tgt Ion: 77 Resp: 3392

Ion Ratio Lower Upper

77 100

97 0.0 10.7 32.1#

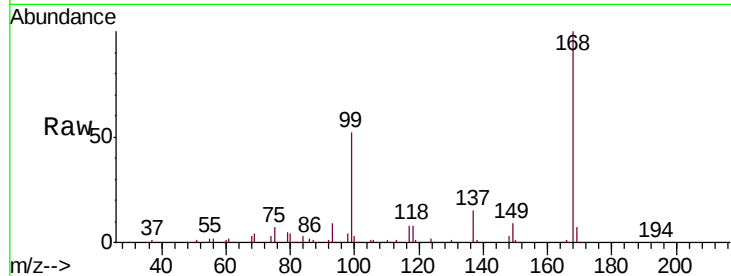




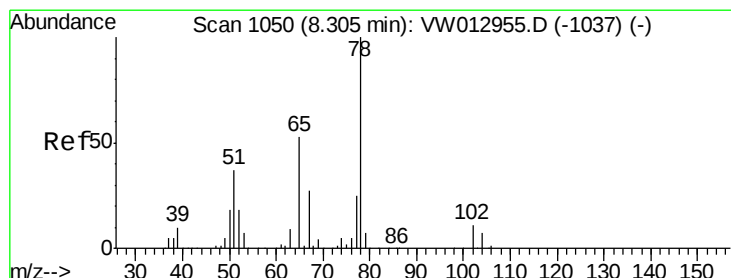
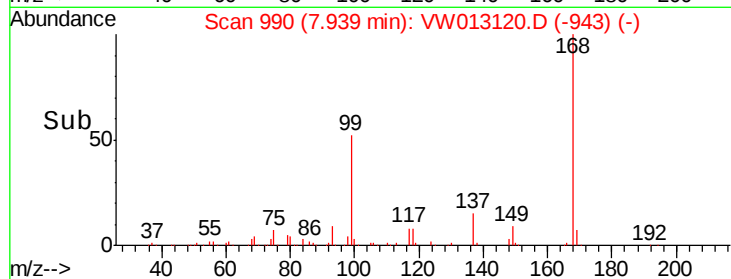
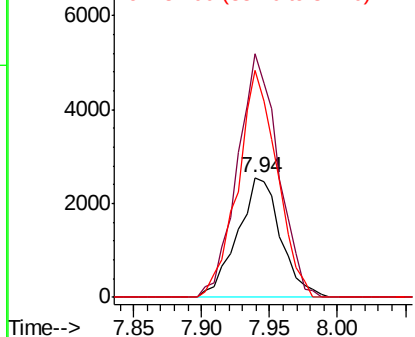
#31
Cyclohexane
Concen: Below Cal
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
SB-46-9.5-10.0

Tgt Ion: 56 Resp: 5653
Ion Ratio Lower Upper
56 100
69 203.8 27.0 40.6#
84 190.2 66.2 99.2#

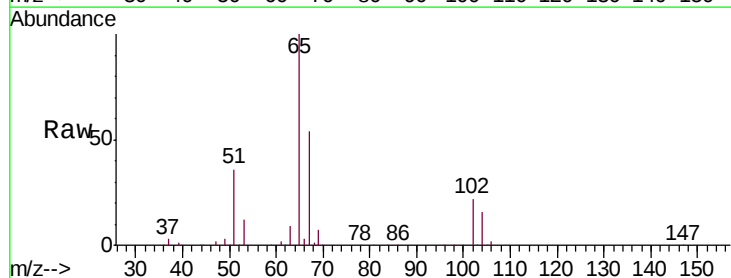


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

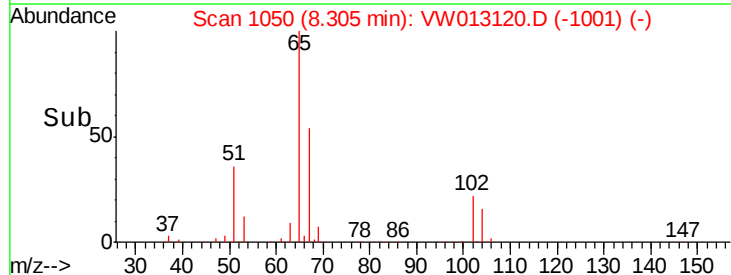
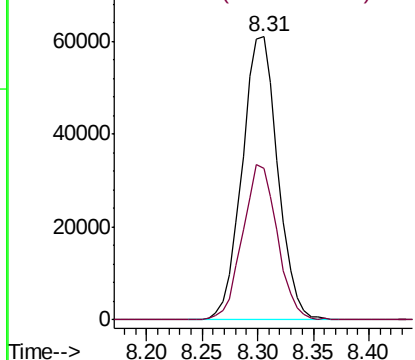


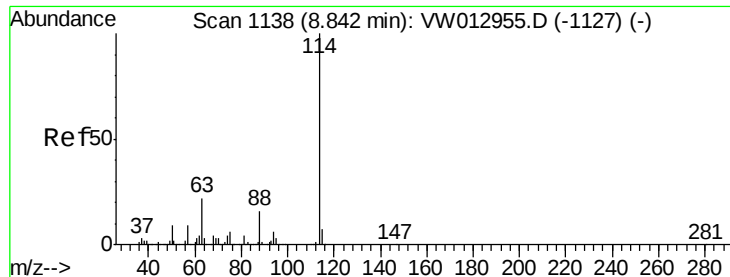
#33
1,2-Dichloroethane-d4
Concen: 44.249 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

Tgt Ion: 65 Resp: 136003
Ion Ratio Lower Upper
65 100
67 53.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

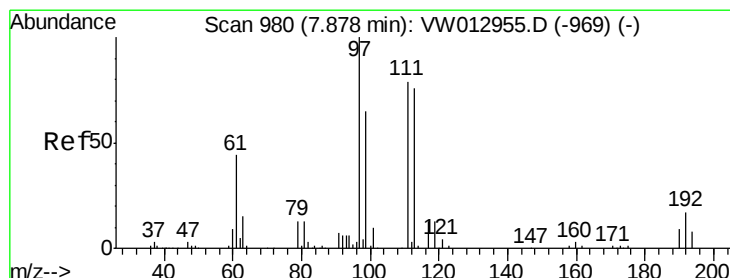
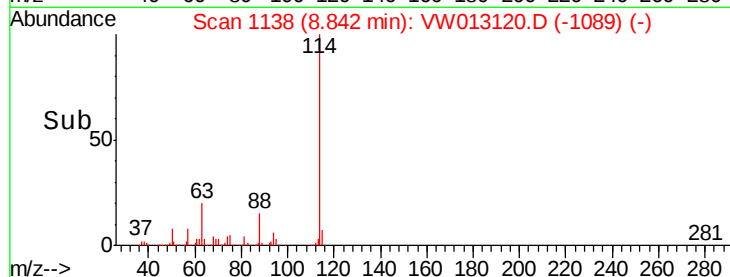
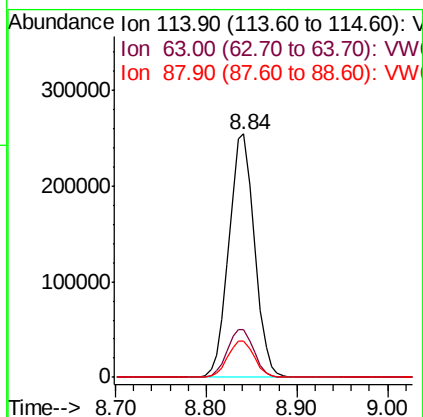
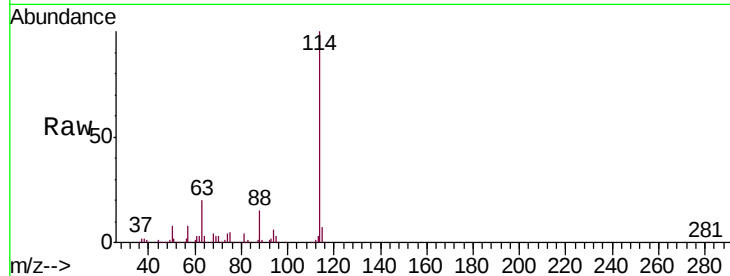




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013120.D
 Acq: 18 Sep 2019 18:11

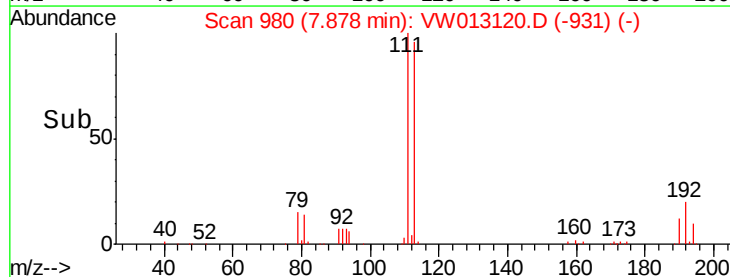
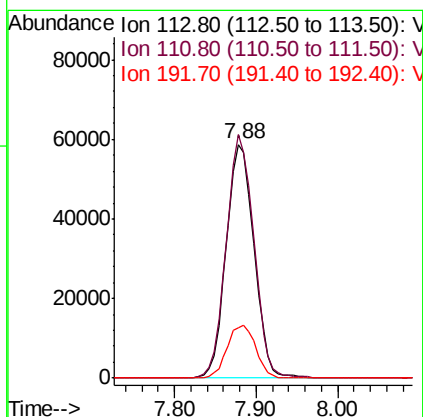
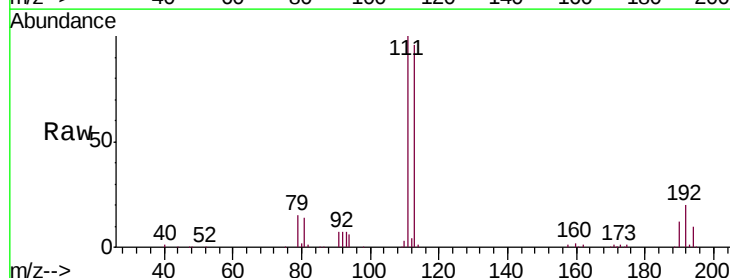
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-46-9.5-10.0

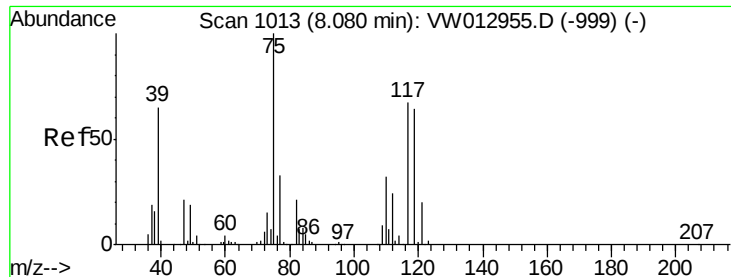
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.4
88	14.9	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 50.918 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013120.D
 Acq: 18 Sep 2019 18:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.8	124.2
192	23.1	17.8	26.8





#36

1,1-Dichloropropene

Concen: 5.848 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampled :

SB-46-9.5-10.0

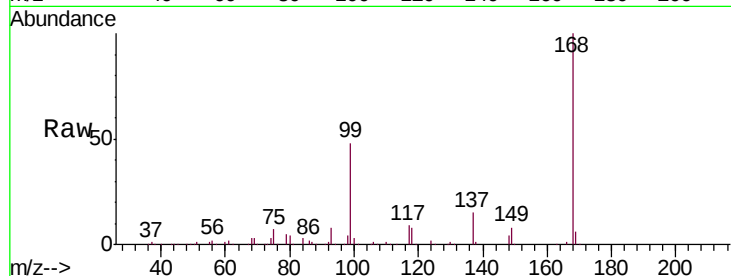
Tgt Ion: 75 Resp: 23355

Ion Ratio Lower Upper

75 100

110 7.9 16.4 49.1#

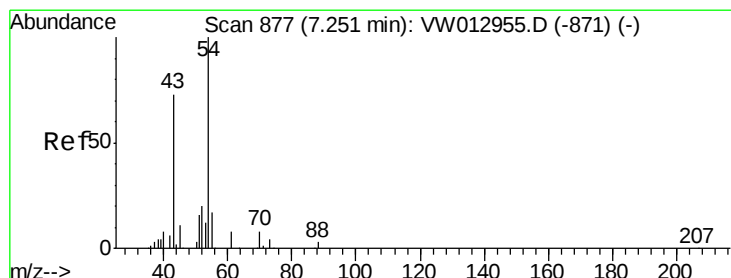
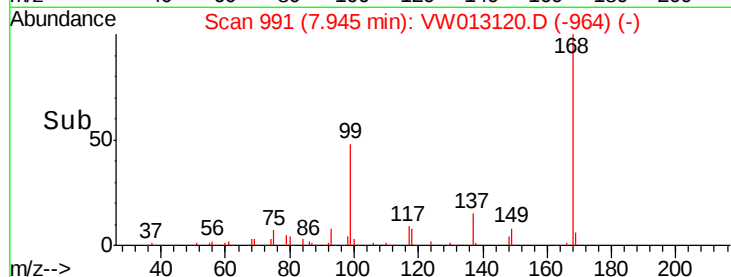
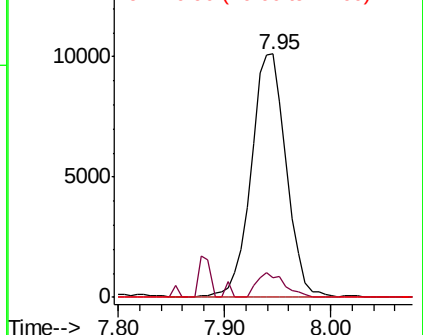
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 1.241 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.10 min

Lab File: VW013120.D

Acq: 18 Sep 2019 18:11

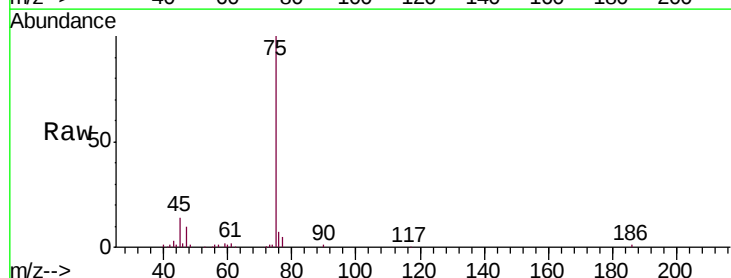
Tgt Ion: 43 Resp: 2631

Ion Ratio Lower Upper

43 100

61 85.6 9.6 14.4#

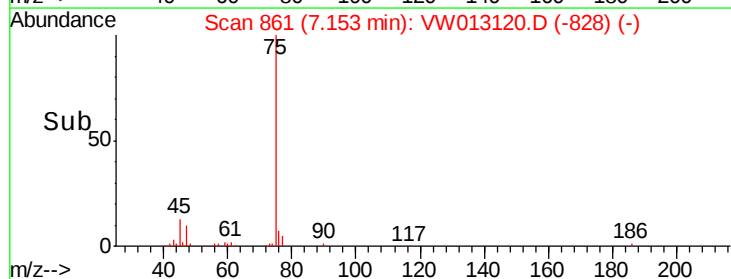
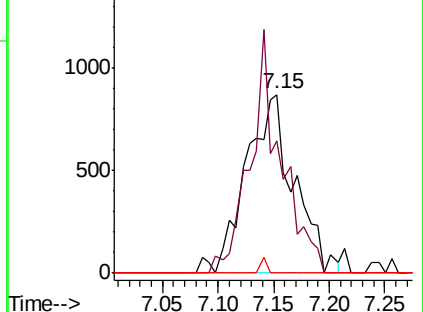
70 1.1 7.6 11.4#

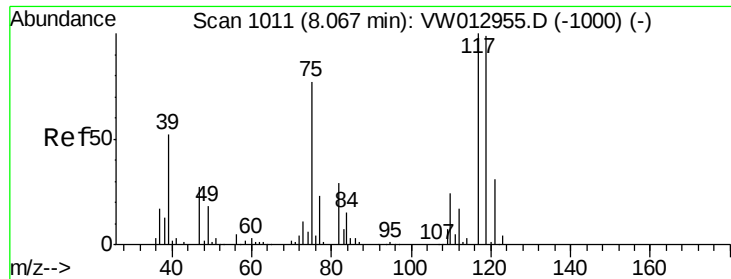


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

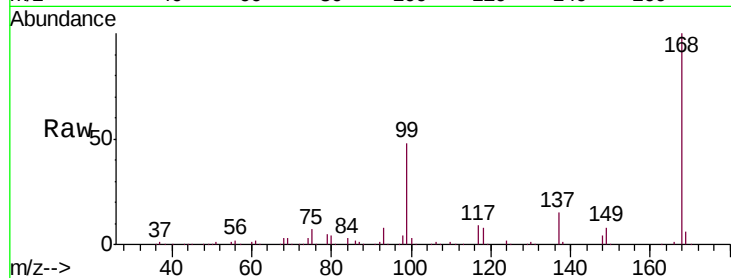




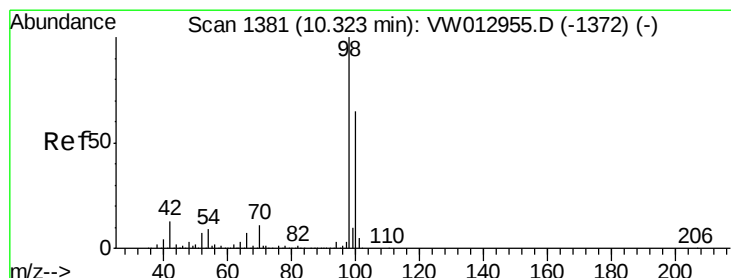
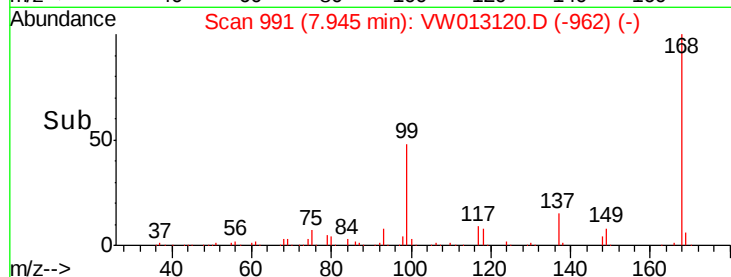
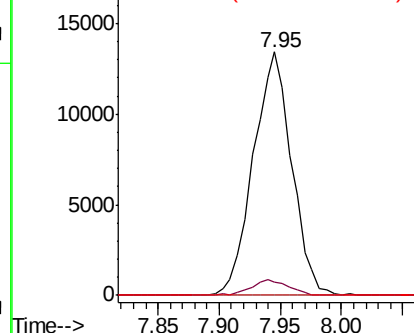
#38
Carbon Tetrachloride
Concen: 7.156 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

Instrument :
MSVOA_W
ClientSampleId :
SB-46-9.5-10.0

Tgt Ion: 117 Resp: 29290
Ion Ratio Lower Upper
117 100
119 5.6 79.4 119.0#
121 0.0 24.6 36.8#

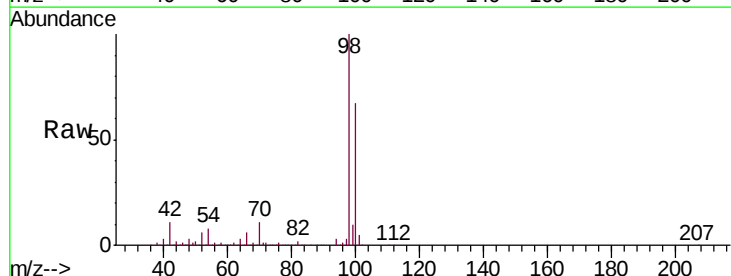


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

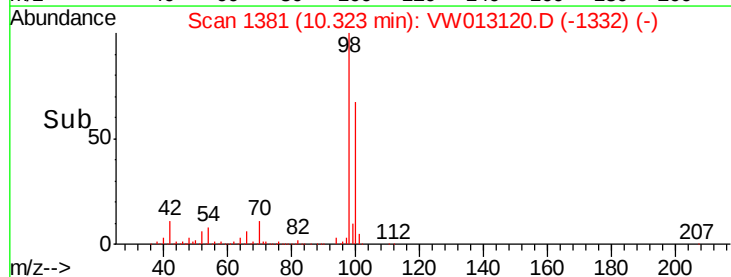
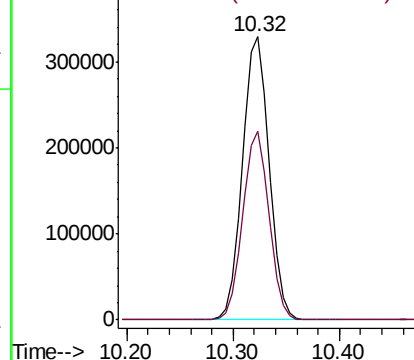


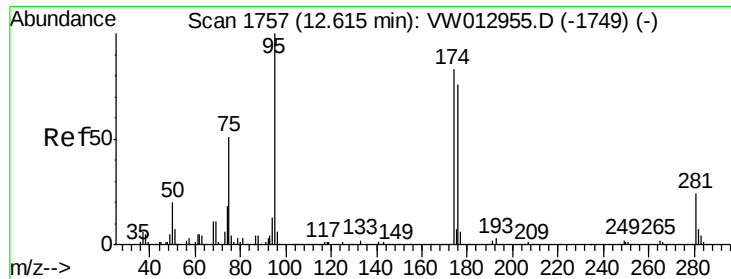
#50
Toluene-d8
Concen: 54.689 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

Tgt Ion: 98 Resp: 580382
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

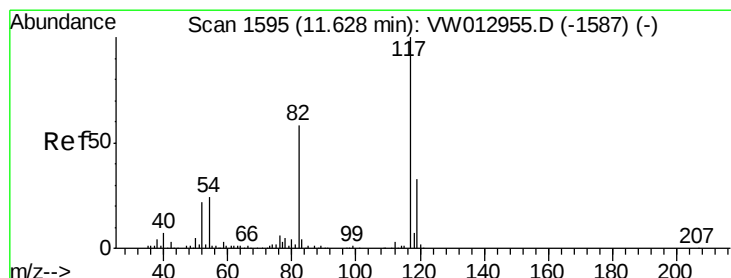
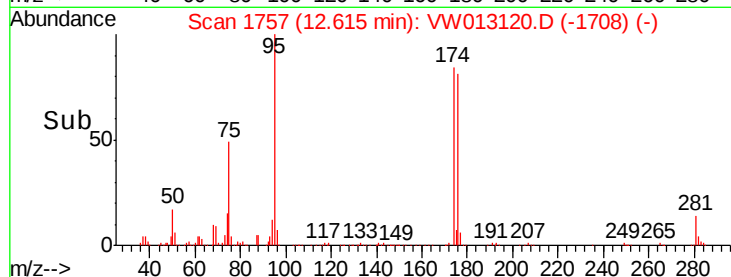
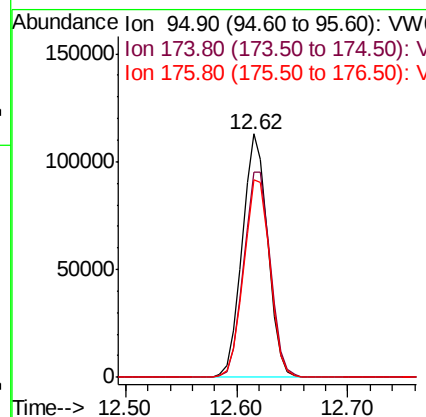
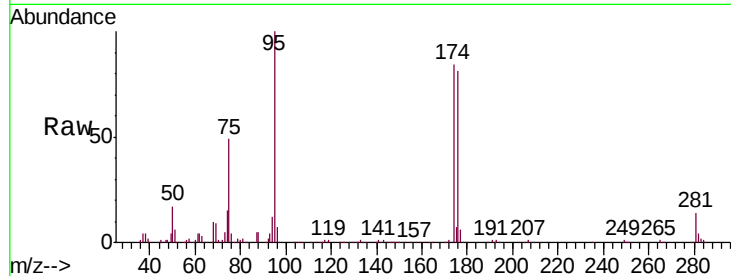




#62
4-Bromofluorobenzene
Concen: 46.810 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

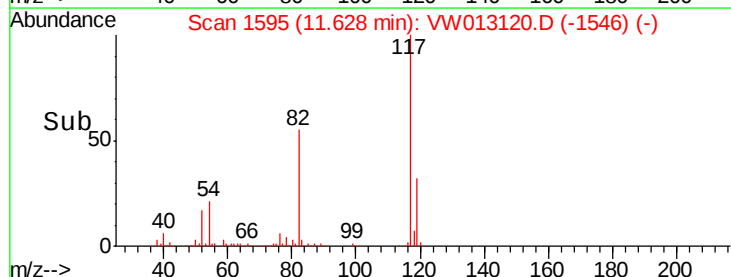
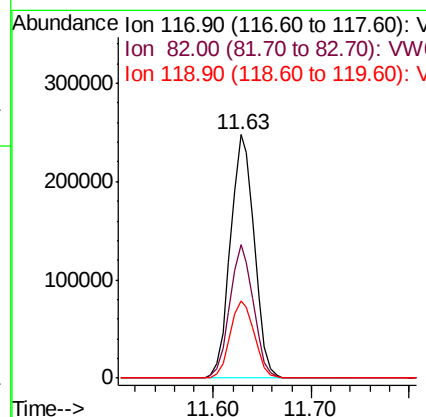
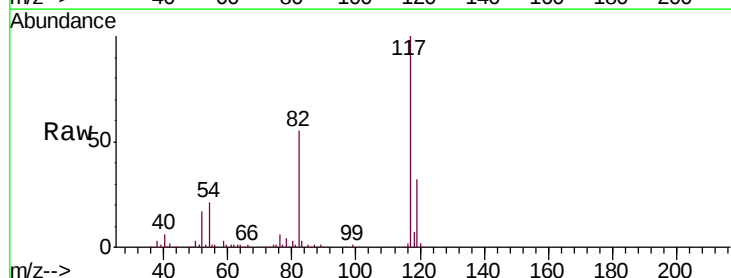
Instrument :
MSVOA_W
ClientSampled :
SB-46-9.5-10.0

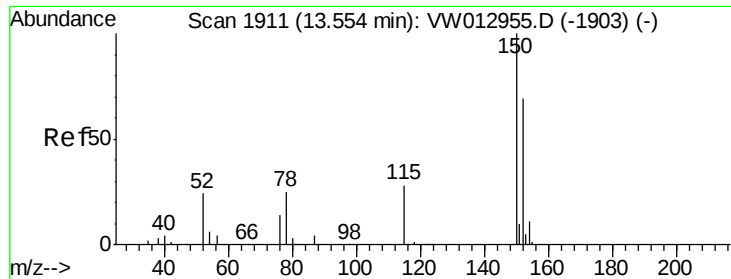
Tgt Ion: 95 Resp: 178625
Ion Ratio Lower Upper
95 100
174 87.9 0.0 170.4
176 84.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013120.D
Acq: 18 Sep 2019 18:11

Tgt Ion: 117 Resp: 417621
Ion Ratio Lower Upper
117 100
82 54.9 46.3 69.5
119 31.6 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: VW013120.D

Acq: 18 Sep 2019 18:11

Instrument :

MSVOA_W

ClientSampleId :

SB-46-9.5-10.0

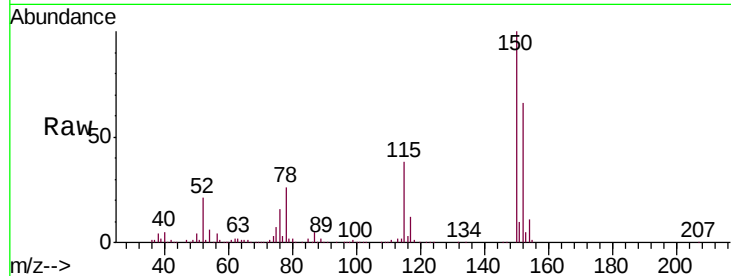
Tgt Ion: 152 Resp: 180385

Ion Ratio Lower Upper

152 100

115 56.1 28.8 86.4

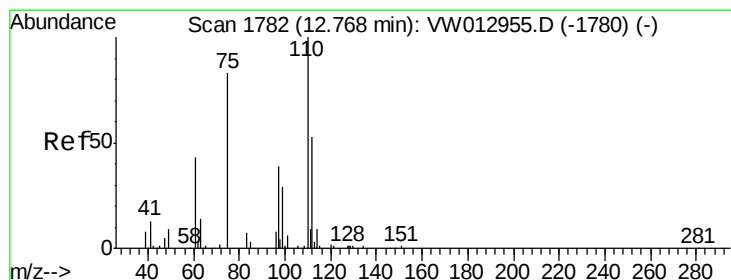
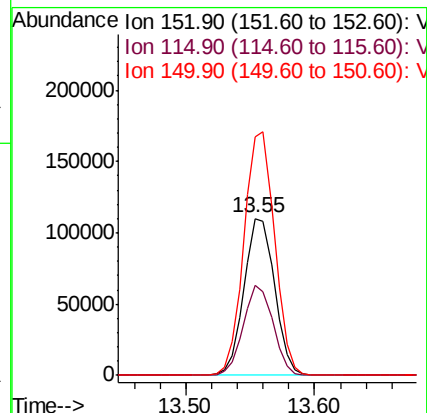
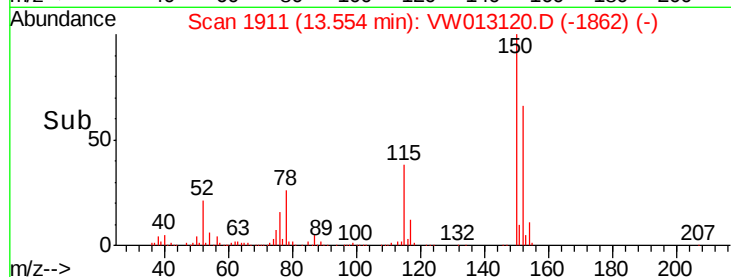
150 155.6 0.0 340.2



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



#76

1,2,3-Trichloropropane

Concen: 54.172 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013120.D

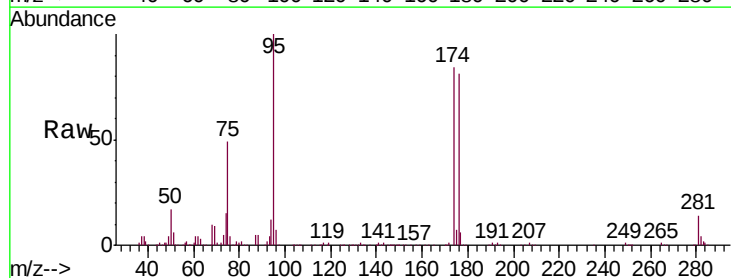
Acq: 18 Sep 2019 18:11

Tgt Ion: 75 Resp: 85594

Ion Ratio Lower Upper

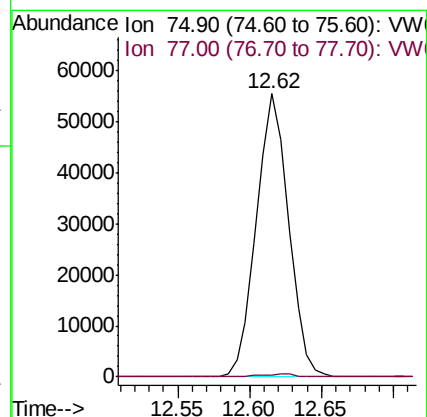
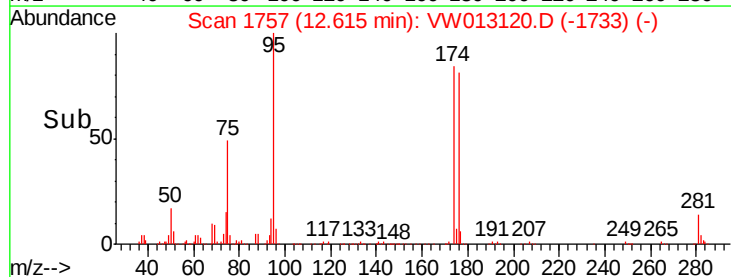
75 100

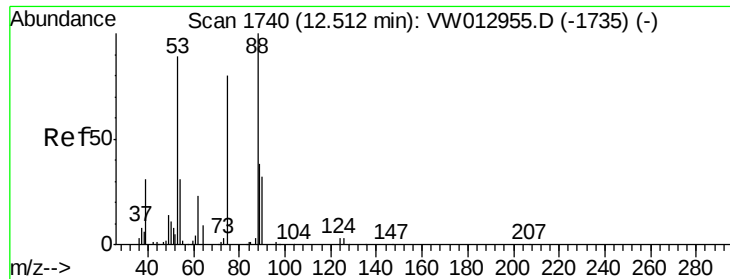
77 1.1 0.0 0.0#



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: 122.889 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW013120.D
 Acq: 18 Sep 2019 18:11

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-46-9.5-10.0

Tgt Ion: 75 Resp: 85594
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.6 128.4#
 89 0.1 37.2 55.8#

