

Data File : VW009251.D
Acq On : 19 Mar 2019 19:41
Operator : SY/VA
Sample : K1943-10
Misc : 4.01G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
20190133-LOC-10

Quant Time: Mar 20 07:34:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	257421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105611	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	159994	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	
35) Dibromofluoromethane	7.88	113	140799	55.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.24%	
50) Toluene-d8	10.32	98	477834	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.62	95	123467	36.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.44%	

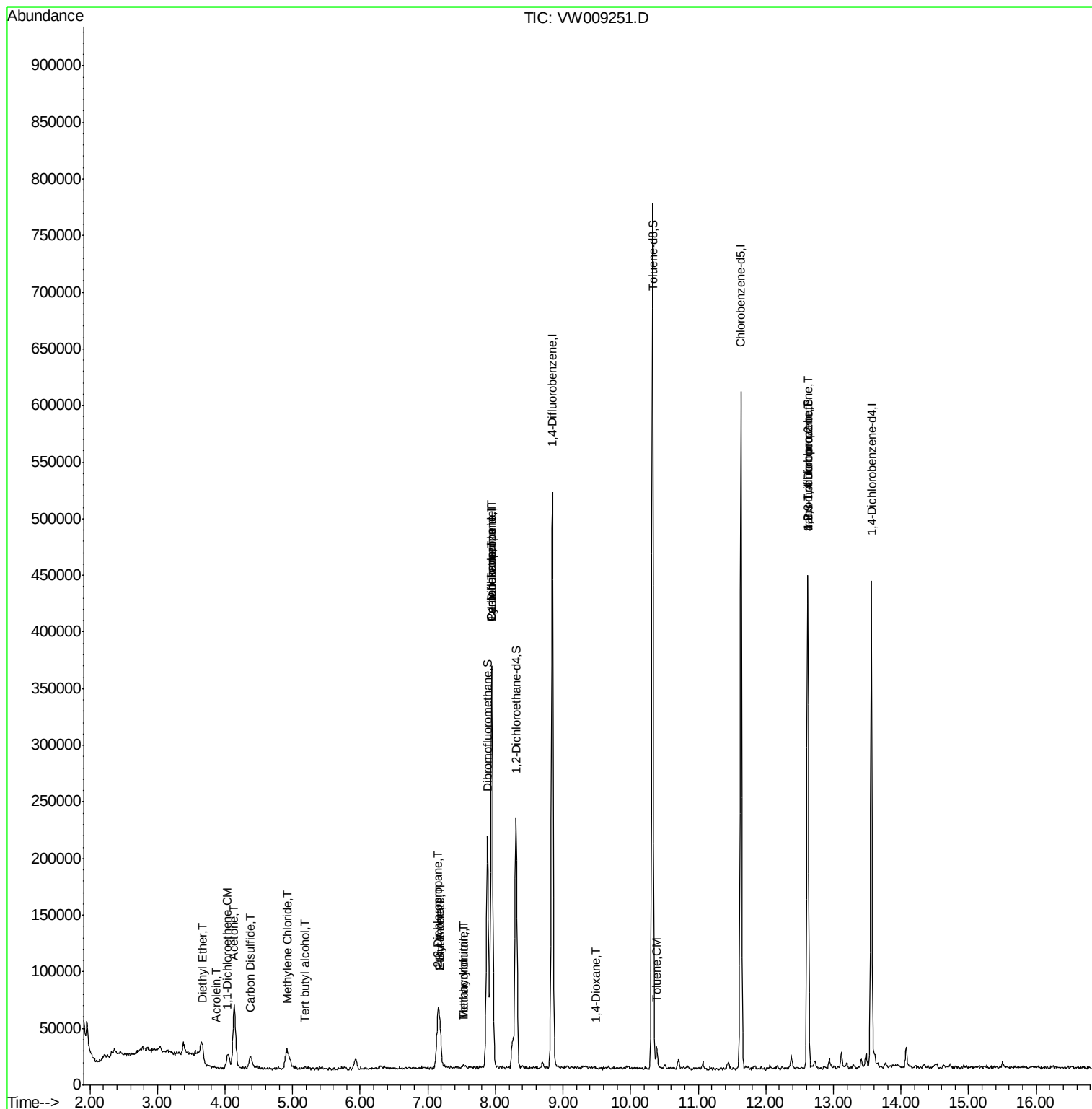
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.04	85	73	Below Cal	#	41
8) Diethyl Ether	3.68	74	1352	1.045	ug/l #	1
11) Tert butyl alcohol	5.17	59	379	2.384	ug/l #	75
12) 1,1-Dichloroethene	4.03	96	7304	2.973	ug/l	88
13) Acrolein	3.87	56	144	1.110	ug/l #	1
16) Acetone	4.13	43	111565	198.596	ug/l	91
17) Carbon Disulfide	4.38	76	24012	3.506	ug/l #	95
20) Methylene Chloride	4.92	84	13520	3.247	ug/l	84
25) 2-Butanone	7.18	43	45547	56.584	ug/l	92
26) 2,2-Dichloropropane	7.14	77	3280	1.218	ug/l #	52
29) Tetrahydrofuran	7.53	42	1920	3.753	ug/l #	88
31) Cyclohexane	7.95	56	6957	1.549	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	21175	5.284	ug/l #	52
37) Ethyl Acetate	7.18	43	45547	24.907	ug/l #	71
38) Carbon Tetrachloride	7.95	117	25914	6.110	ug/l #	16
41) Methacrylonitrile	7.52	41	1964	1.993	ug/l #	28
49) 1,4-Dioxane	9.48	88	262	11.119	ug/l #	76
52) Toluene	10.38	92	7255	1.054	ug/l	90
76) 1,2,3-Trichloropropane	12.62	75	67288	67.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67288	166.361	ug/l #	7

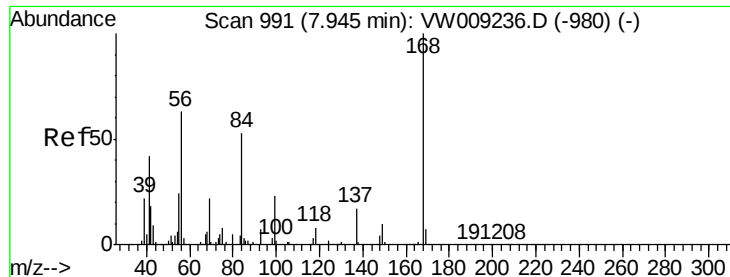
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW009251.D
Acq On : 19 Mar 2019 19:41
Operator : SY/VA
Sample : K1943-10
Misc : 4.01G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
20190133-LOC-10

Quant Time: Mar 20 07:34:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration



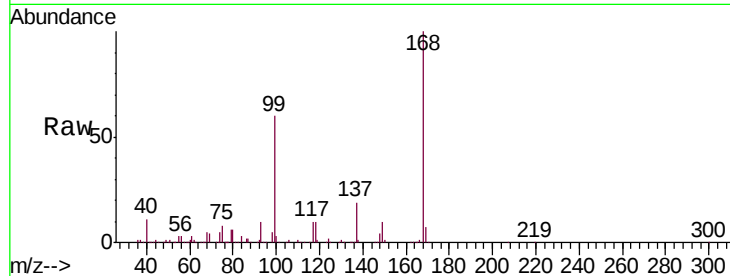


#1

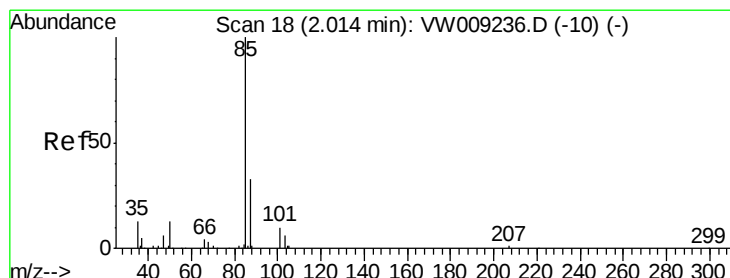
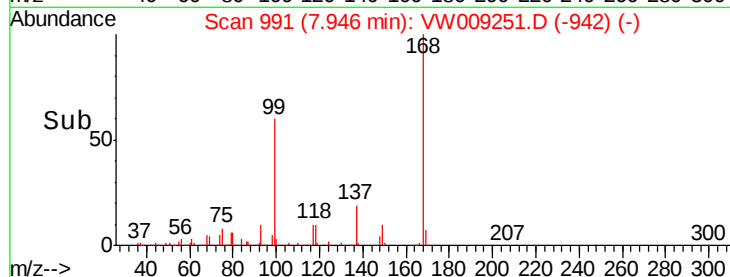
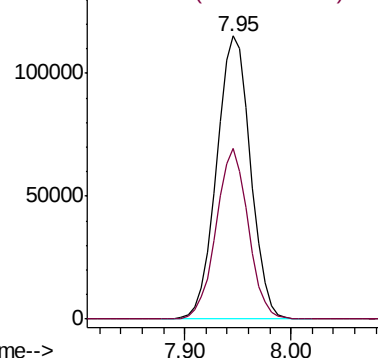
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

Instrument :
 MSVOA_W
 ClientSampleId :
 20190133-LOC-10

Tgt Ion: 168 Resp: 257421
 Ion Ratio Lower Upper
 168 100
 99 60.2 45.4 68.0



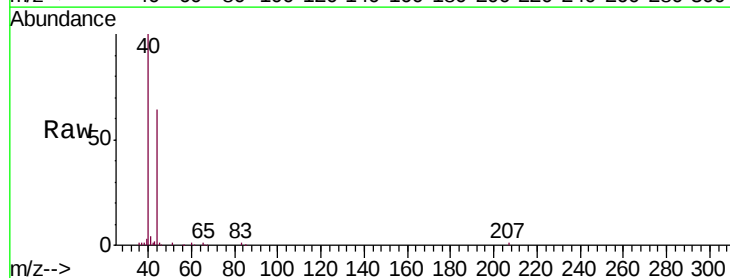
Abundance Ion 167.90 (167.60 to 168.60): VW
 Ion 98.90 (98.60 to 99.60): VW



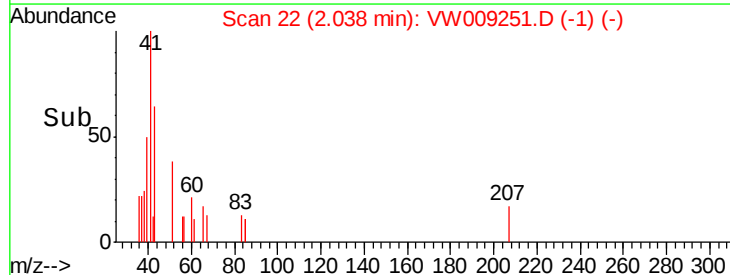
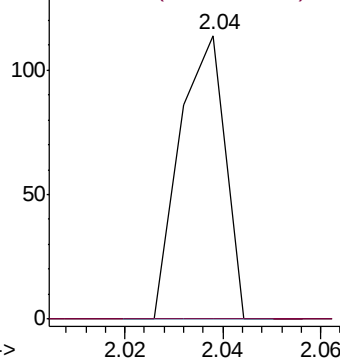
#2

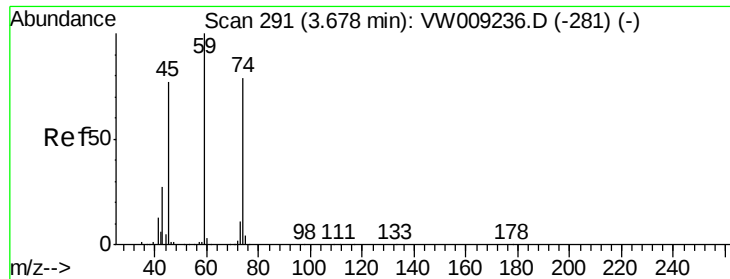
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 2.04 min Scan# 22
 Delta R.T. 0.03 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

Tgt Ion: 85 Resp: 73
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW
 Ion 86.90 (86.60 to 87.60): VW





#8

Diethyl Ether

Concen: 1.045 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

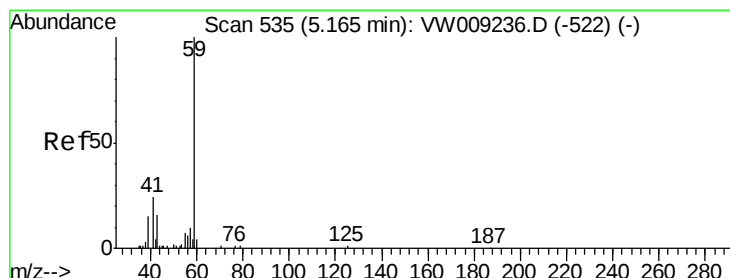
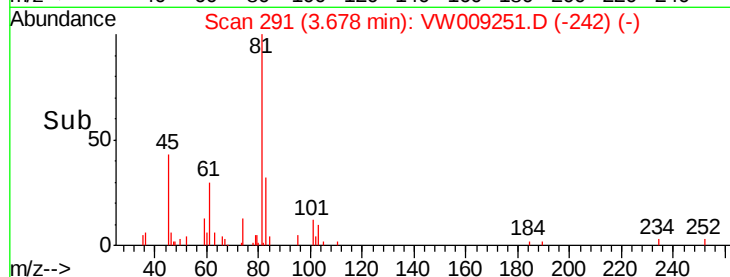
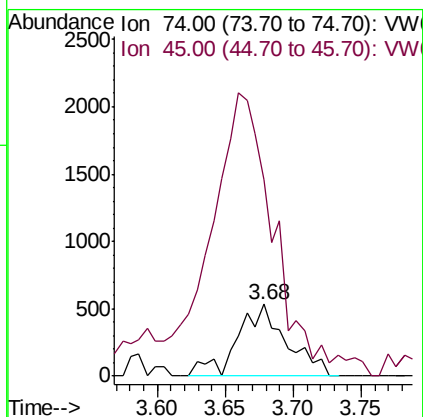
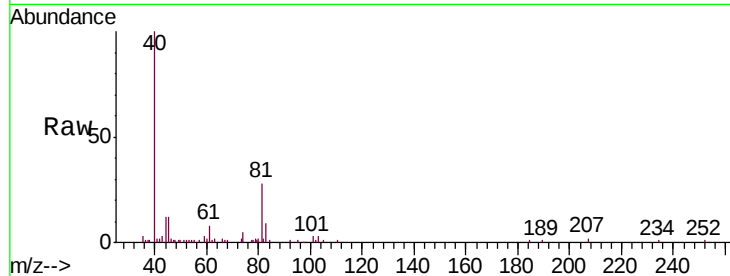
20190133-LOC-10

Tgt Ion: 74 Resp: 1352

Ion Ratio Lower Upper

74 100

45 505.8 50.6 151.9#



#11

Tert butyl alcohol

Concen: 2.384 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW009251.D

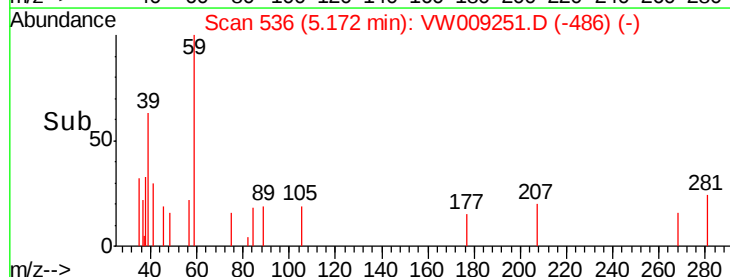
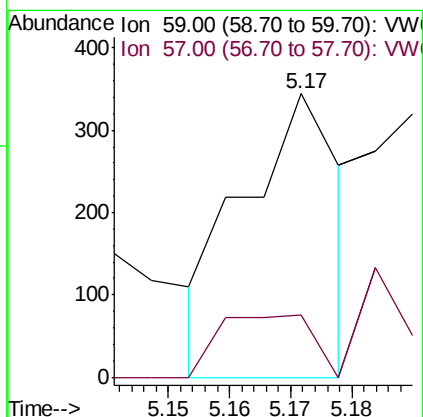
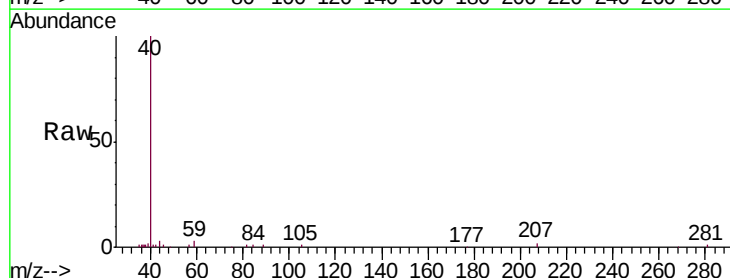
Acq: 19 Mar 2019 19:41

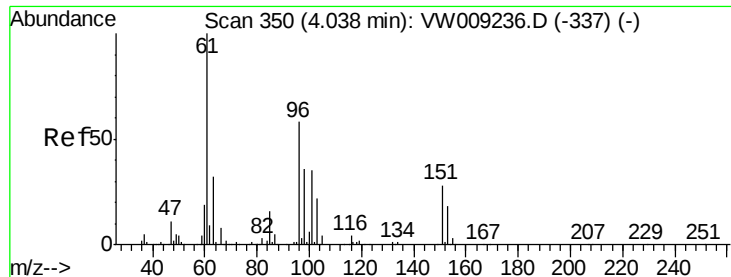
Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 21.4 9.4 14.0#

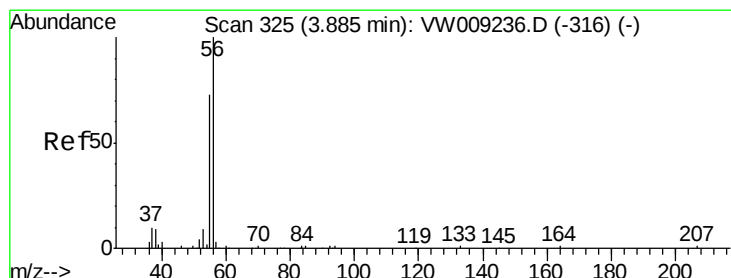
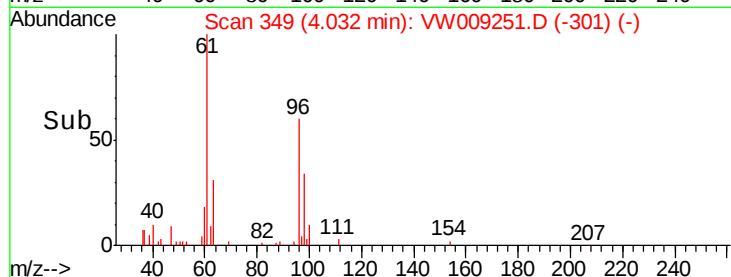
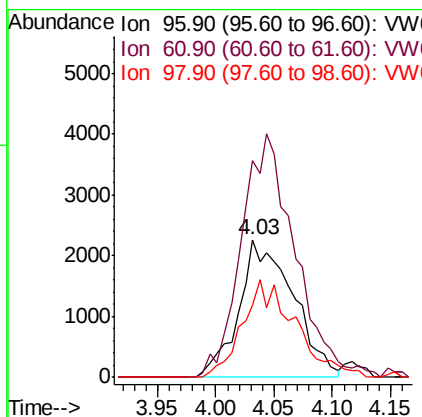
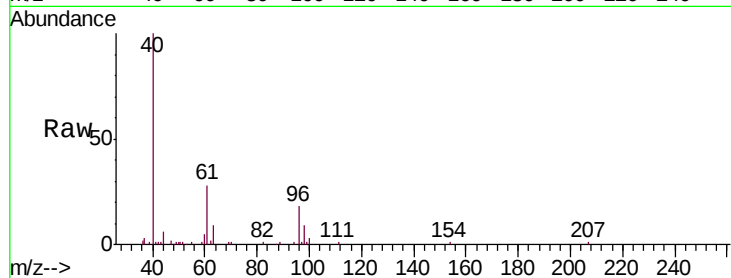




#12
 1,1-Dichloroethene
 Concen: 2.973 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

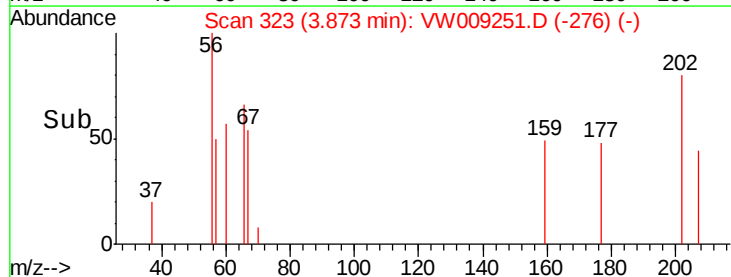
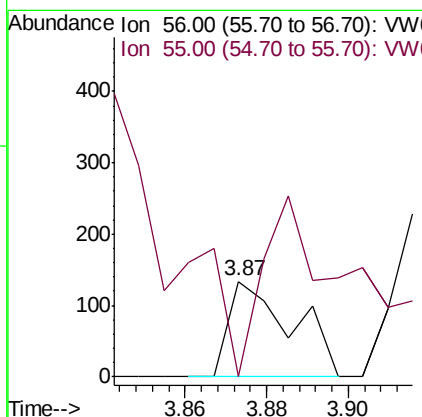
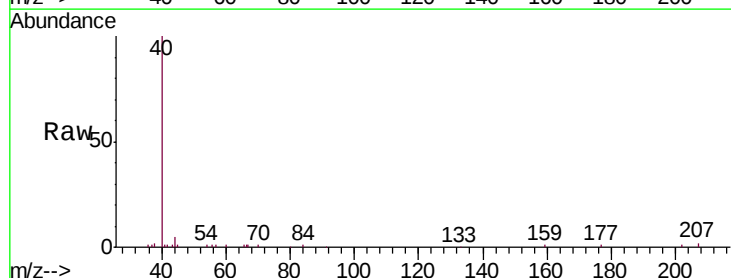
Instrument :
 MSVOA_W
 ClientSampleId :
 20190133-LOC-10

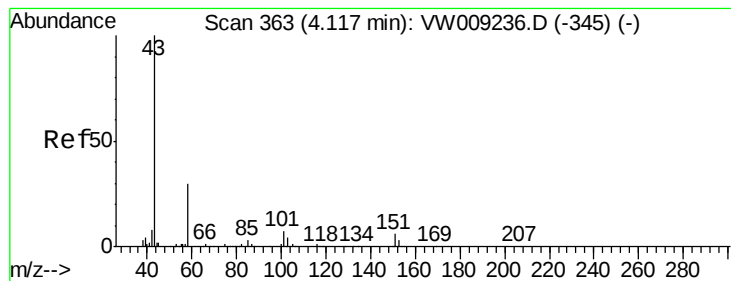
Tgt Ion: 96 Resp: 7304
 Ion Ratio Lower Upper
 96 100
 61 157.2 138.0 207.0
 98 52.2 49.8 74.8



#13
 Acrolein
 Concen: 1.110 ug/l
 RT: 3.87 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

Tgt Ion: 56 Resp: 144
 Ion Ratio Lower Upper
 56 100
 55 325.7 55.2 82.8#





#16

Acetone

Concen: 198.596 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

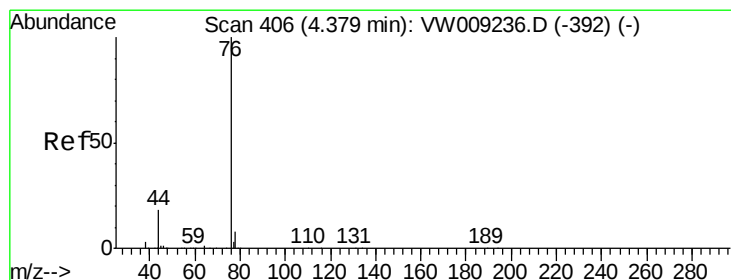
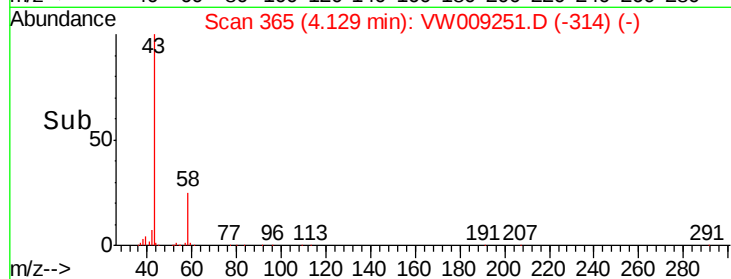
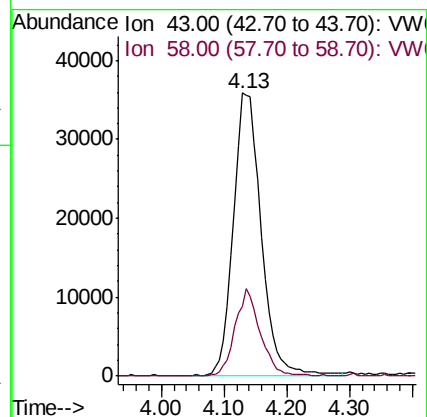
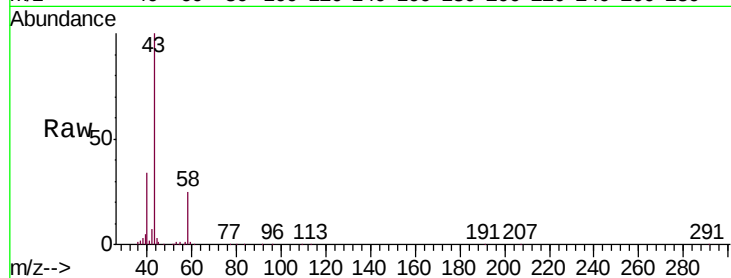
20190133-LOC-10

Tgt Ion: 43 Resp: 111565

Ion Ratio Lower Upper

43 100

58 24.7 23.6 35.4



#17

Carbon Disulfide

Concen: 3.506 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009251.D

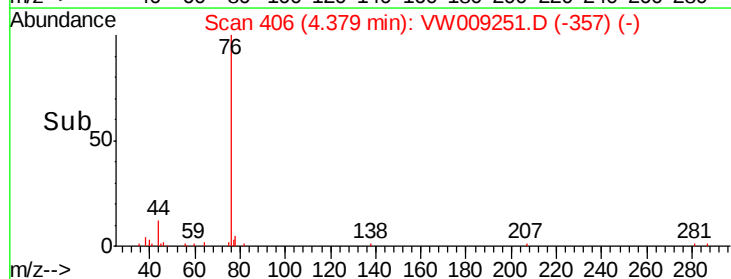
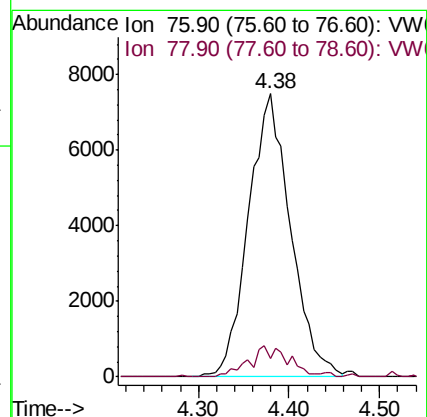
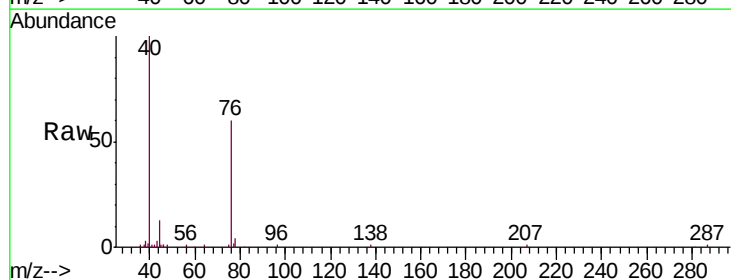
Acq: 19 Mar 2019 19:41

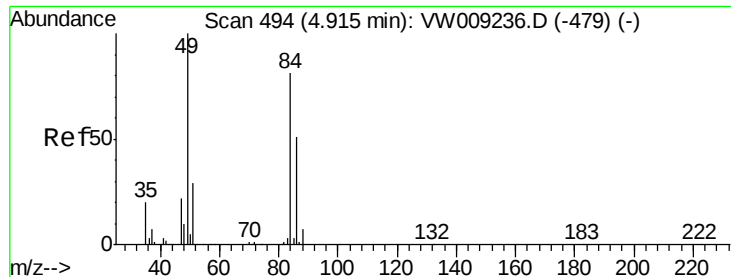
Tgt Ion: 76 Resp: 24012

Ion Ratio Lower Upper

76 100

78 6.6 6.6 9.8#

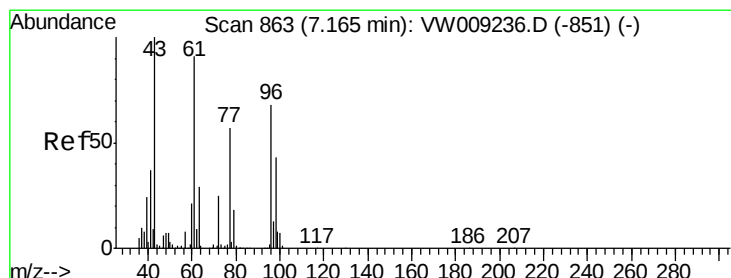
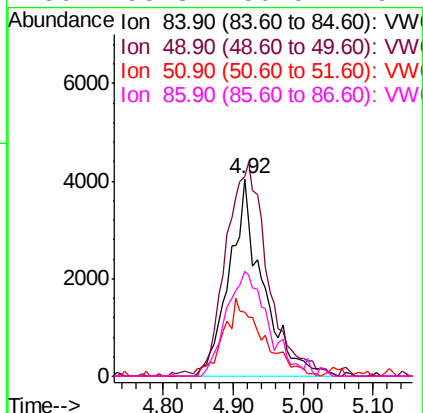
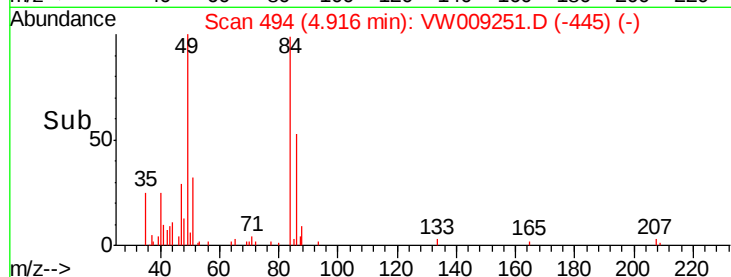
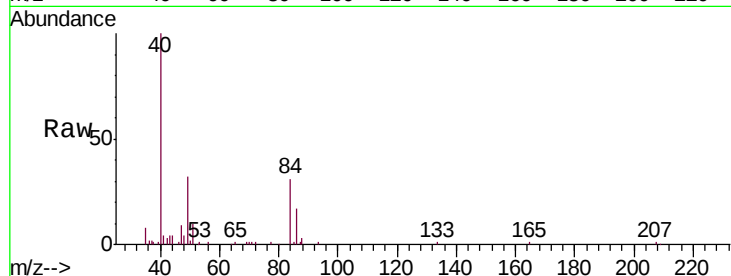




#20
Methylene Chloride
Concen: 3.247 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

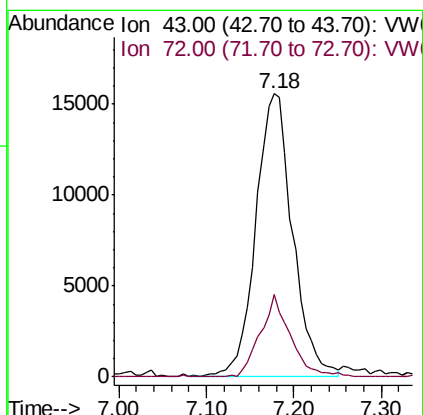
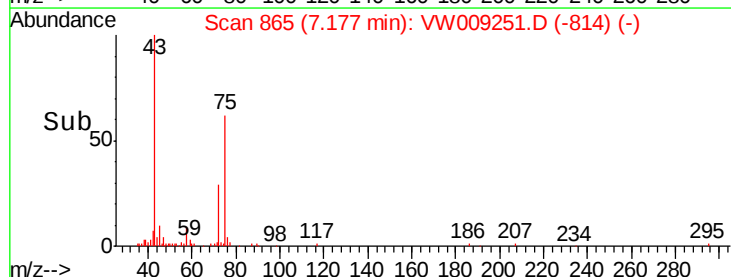
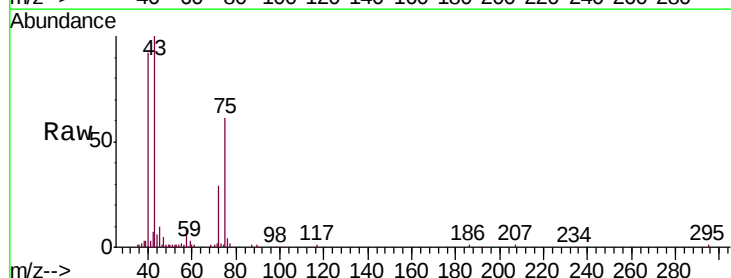
Instrument :
MSVOA_W
ClientSampleId :
20190133-LOC-10

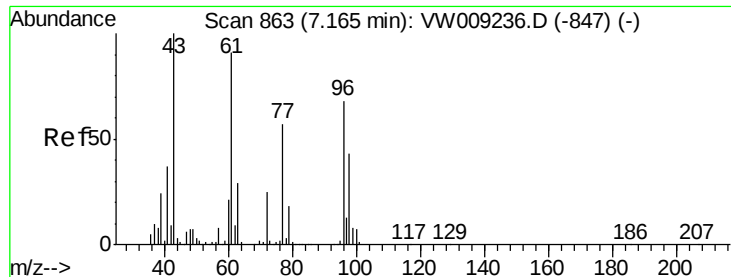
Tgt Ion:	84	Resp:	13520
Ion	Ratio	Lower	Upper
84	100		
49	101.3	99.1	148.7
51	32.6	28.7	43.1
86	53.3	50.5	75.7



#25
2-Butanone
Concen: 56.584 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

Tgt Ion:	43	Resp:	45547
Ion	Ratio	Lower	Upper
43	100		
72	28.9	20.0	30.0





#26

2,2-Dichloropropane

Concen: 1.218 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

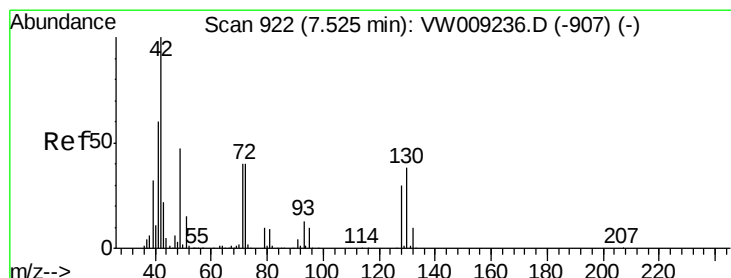
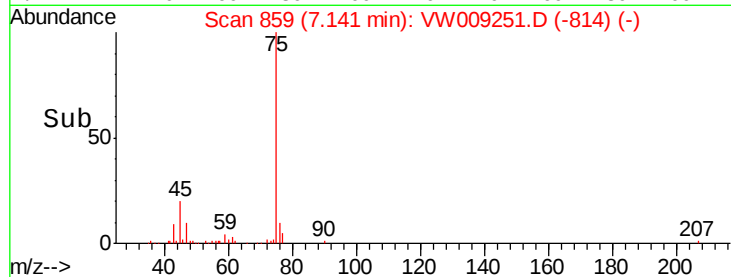
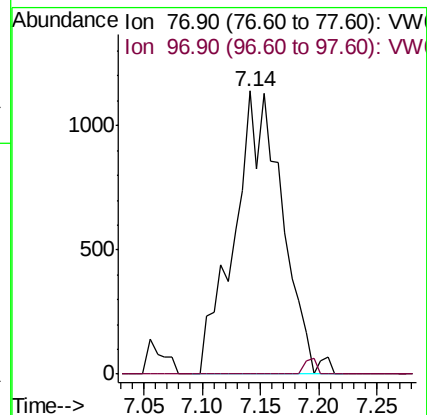
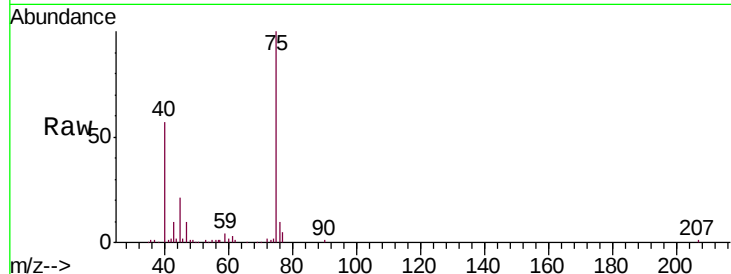
20190133-LOC-10

Tgt Ion: 77 Resp: 3280

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.7#



#29

Tetrahydrofuran

Concen: 3.753 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

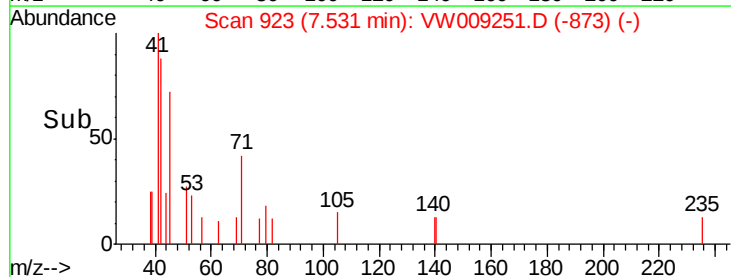
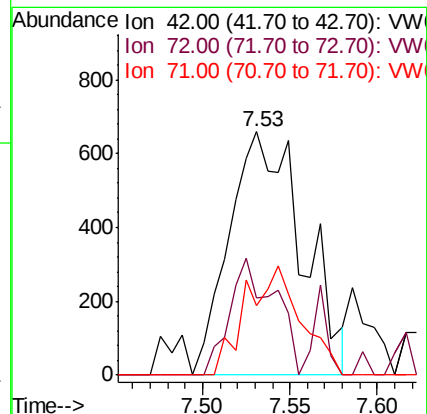
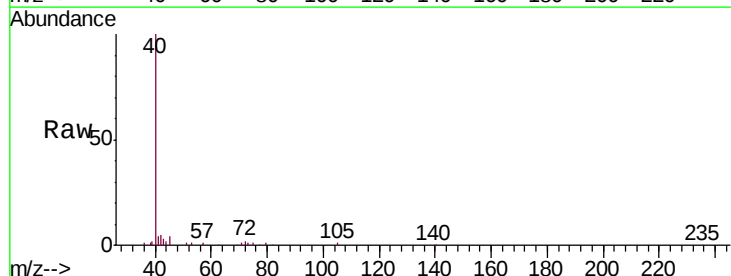
Tgt Ion: 42 Resp: 1920

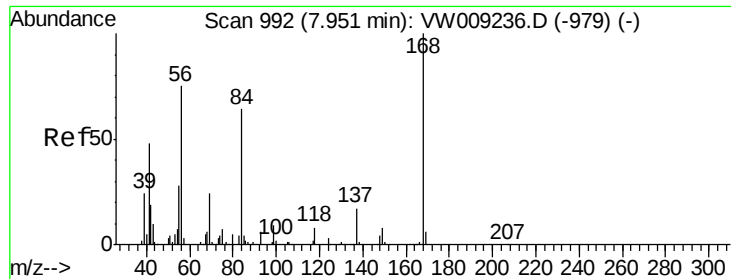
Ion Ratio Lower Upper

42 100

72 29.7 32.4 48.6#

71 33.9 30.1 45.1

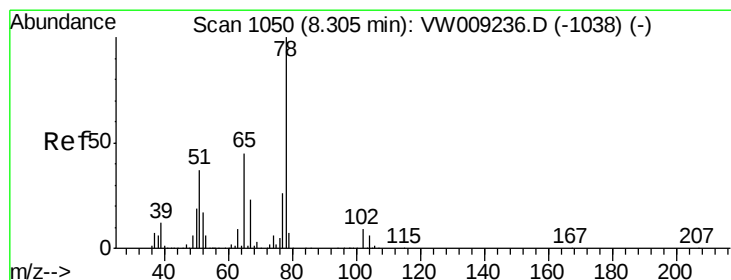
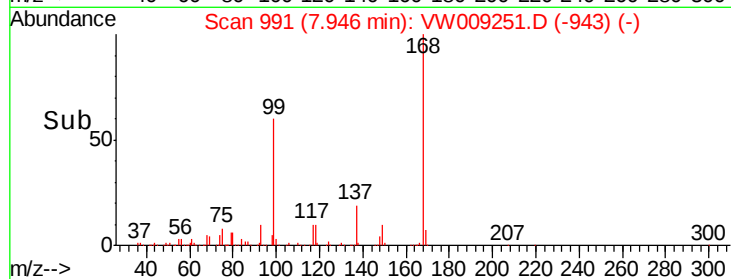
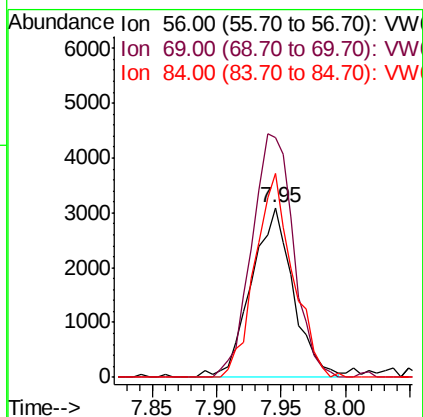
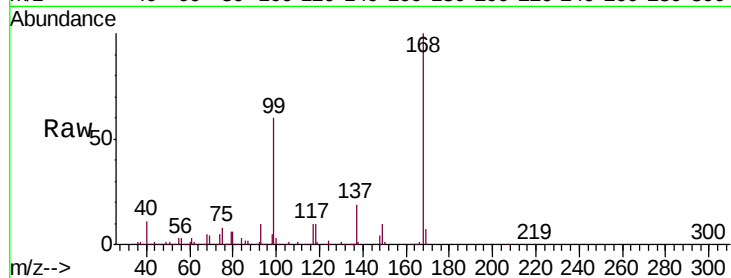




#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

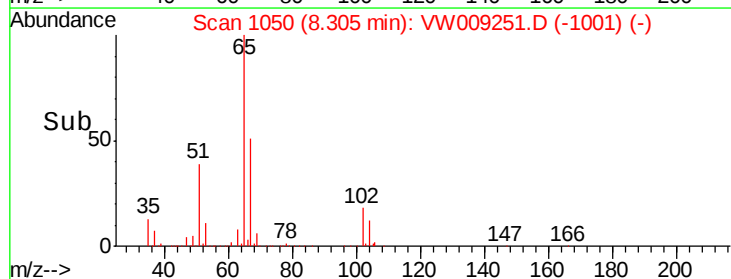
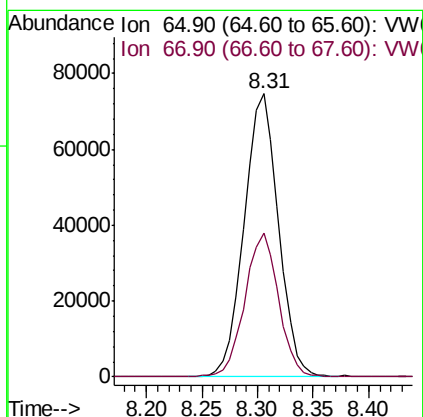
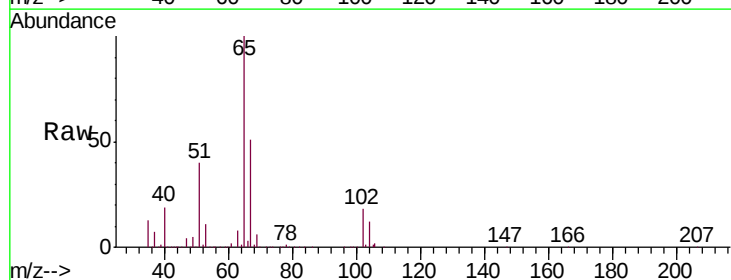
Instrument :
MSVOA_W
ClientSampleId :
20190133-LOC-10

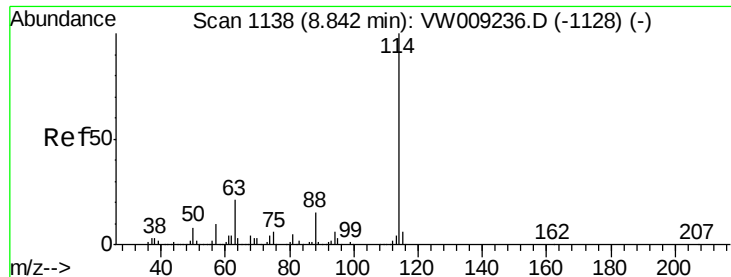
Tgt Ion: 56 Resp: 6957
Ion Ratio Lower Upper
56 100
69 144.8 26.1 39.1#
84 123.1 68.6 103.0#



#33
1,2-Dichloroethane-d4
Concen: 58.432 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

Tgt Ion: 65 Resp: 159994
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.4

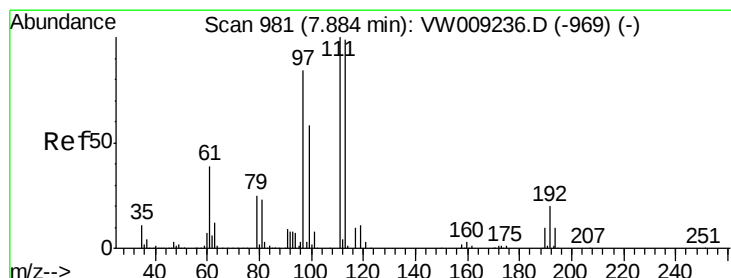
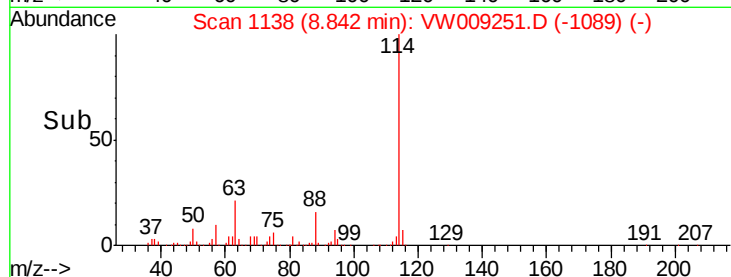
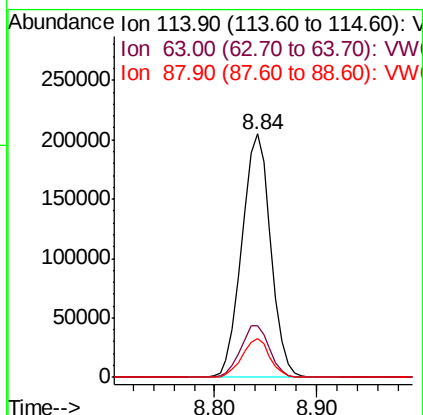
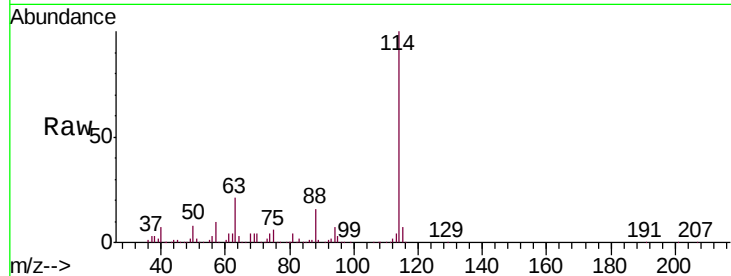




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

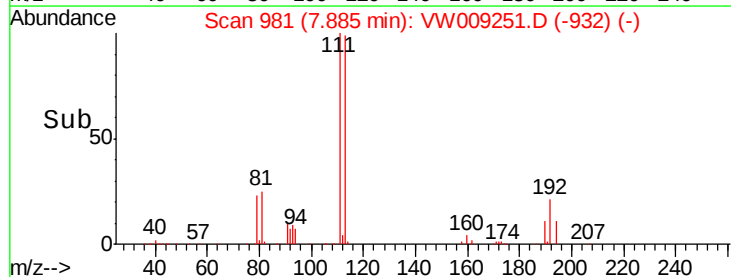
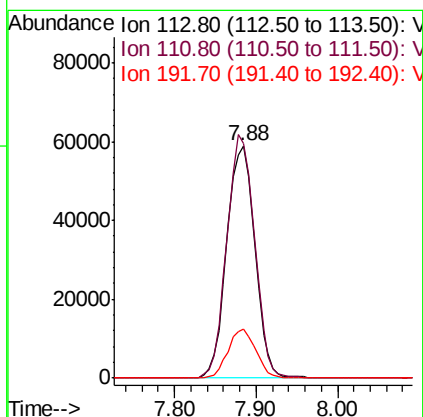
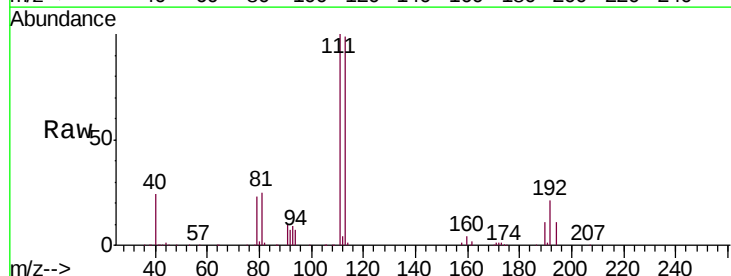
Instrument :
 MSVOA_W
 ClientSampleId :
 20190133-LOC-10

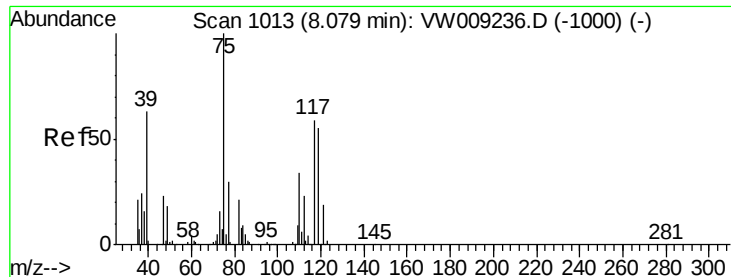
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	42.2
88	16.0	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 55.115 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009251.D
 Acq: 19 Mar 2019 19:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	20.8	16.4	24.6





#36

1,1-Dichloropropene

Concen: 5.284 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

20190133-LOC-10

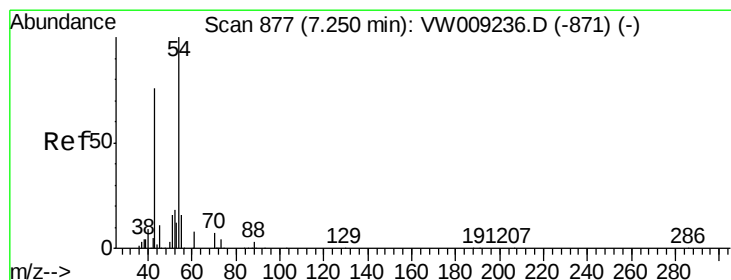
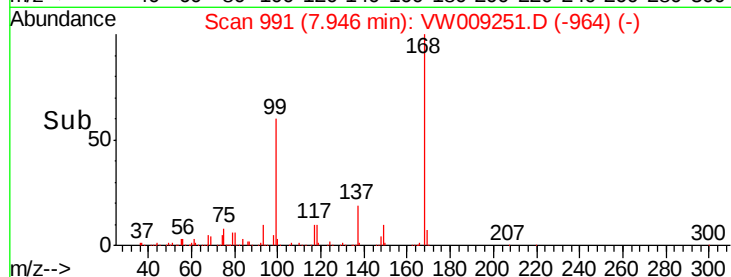
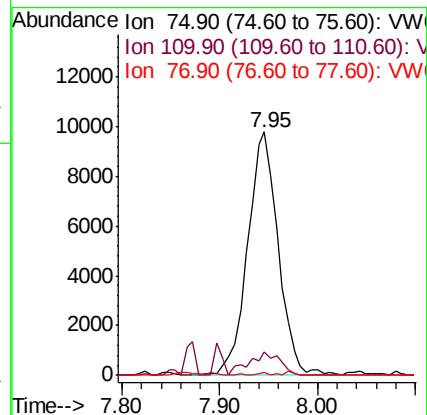
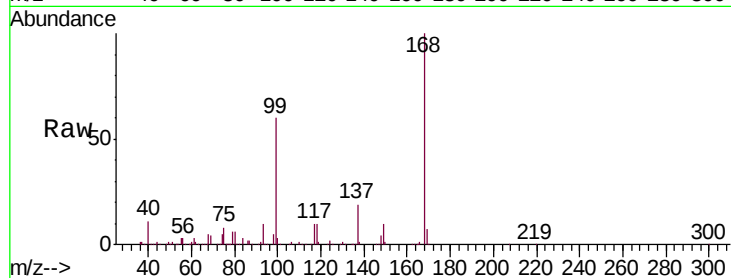
Tgt Ion: 75 Resp: 21175

Ion Ratio Lower Upper

75 100

110 9.8 16.8 50.4#

77 0.3 24.6 36.8#



#37

Ethyl Acetate

Concen: 24.907 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.07 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

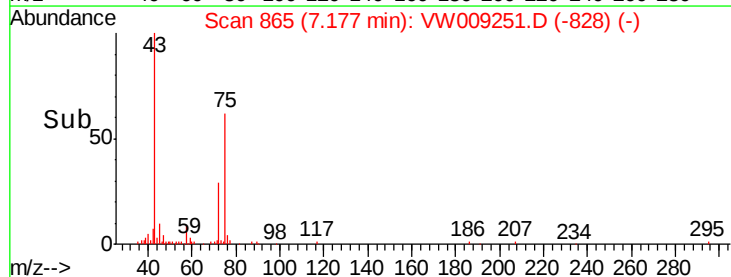
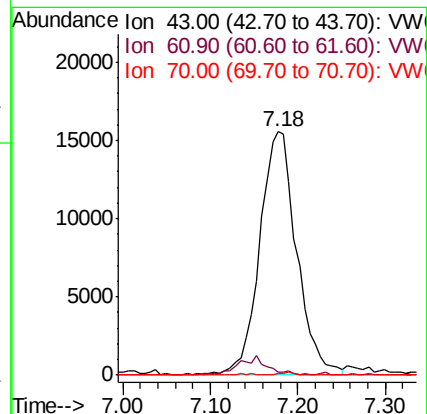
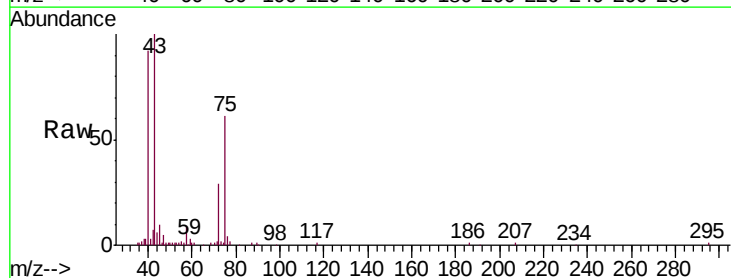
Tgt Ion: 43 Resp: 45547

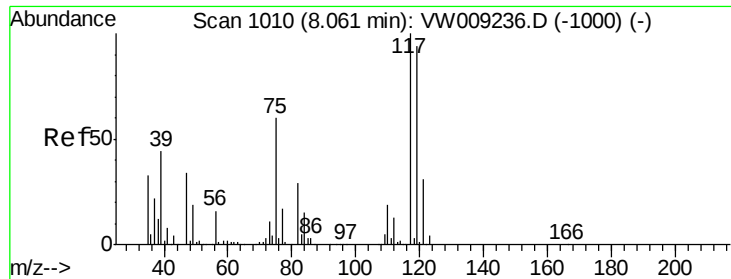
Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

70 0.4 7.3 10.9#





#38

Carbon Tetrachloride

Concen: 6.110 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.11 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

20190133-LOC-10

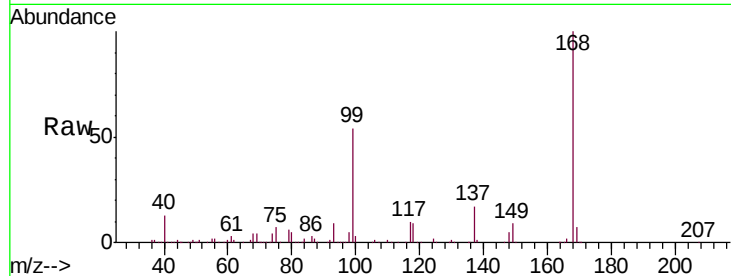
Tgt Ion:117 Resp: 25914

Ion Ratio Lower Upper

117 100

119 3.8 75.4 113.0#

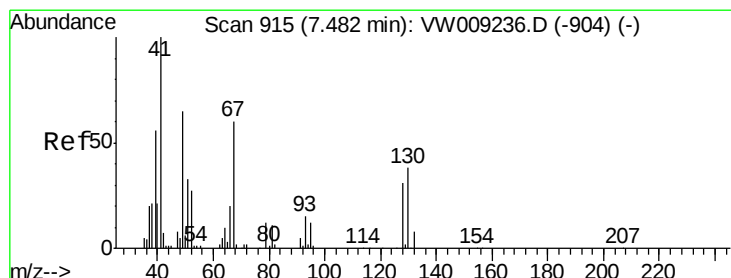
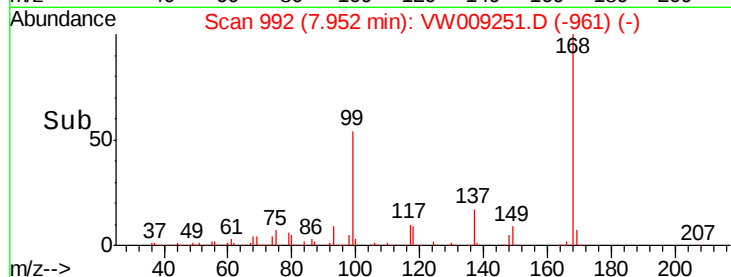
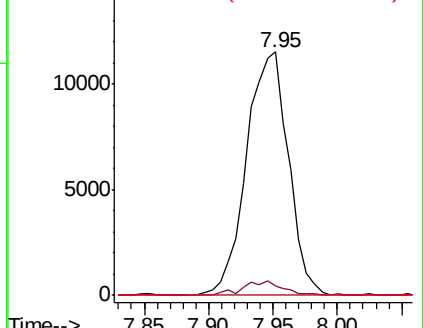
121 0.0 24.9 37.3#



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: 1.993 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Tgt Ion: 41 Resp: 1964

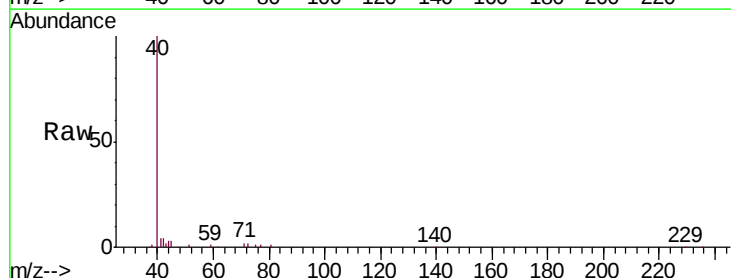
Ion Ratio Lower Upper

41 100

39 14.2 52.5 78.7#

67 0.0 56.6 84.8#

52 0.0 27.2 40.8#

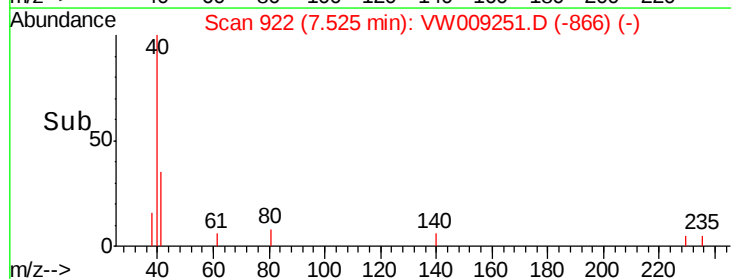
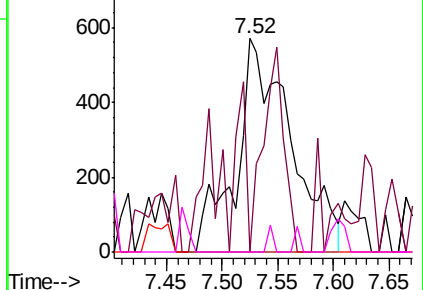


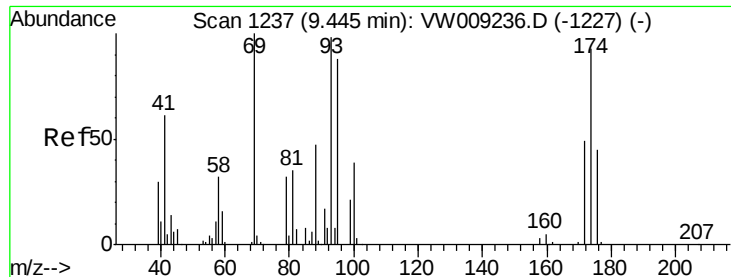
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#49

1,4-Dioxane

Concen: 11.119 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

20190133-LOC-10

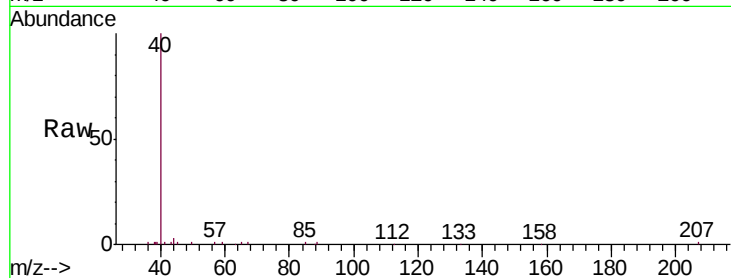
Tgt Ion: 88 Resp: 262

Ion Ratio Lower Upper

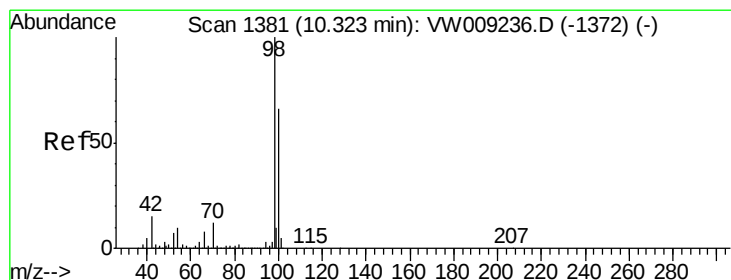
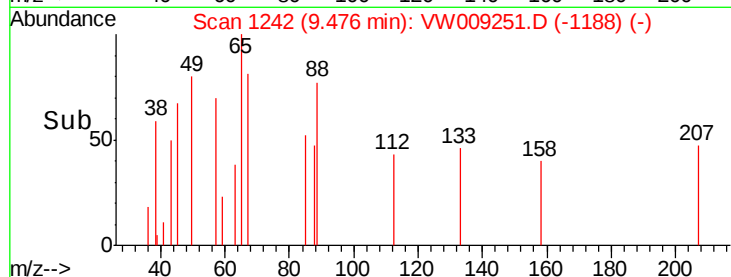
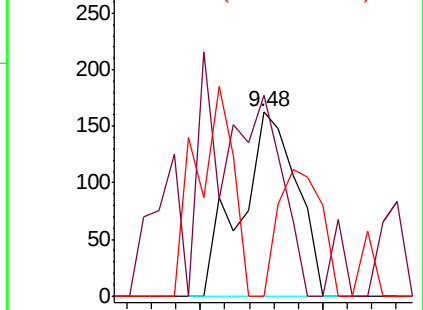
88 100

43 51.1 29.7 44.5#

58 52.7 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.470 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009251.D

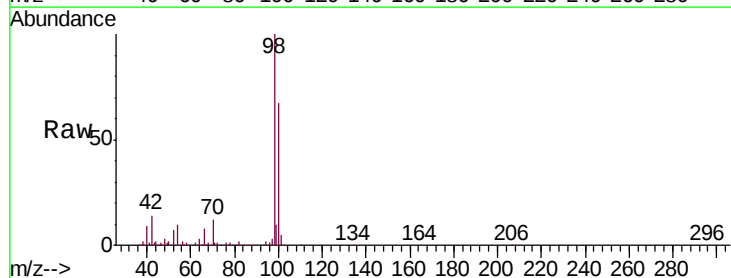
Acq: 19 Mar 2019 19:41

Tgt Ion: 98 Resp: 477834

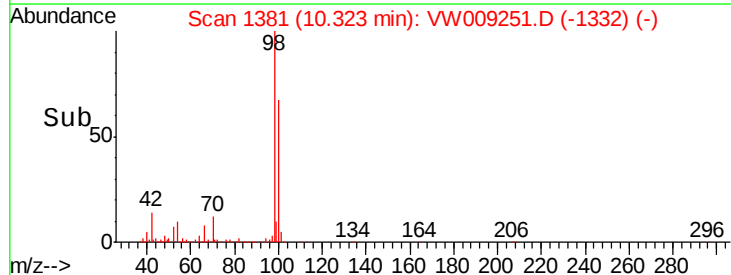
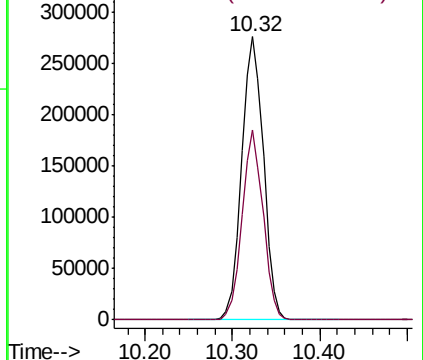
Ion Ratio Lower Upper

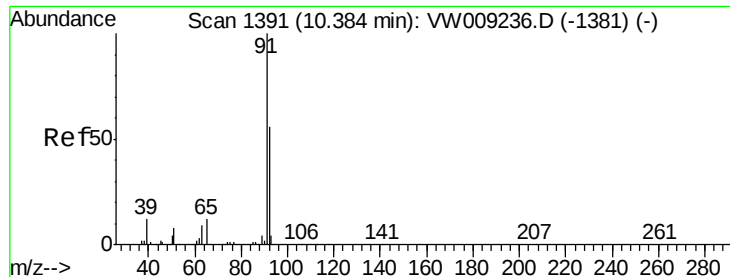
98 100

100 64.4 52.6 79.0



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





#52

Toluene

Concen: 1.054 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

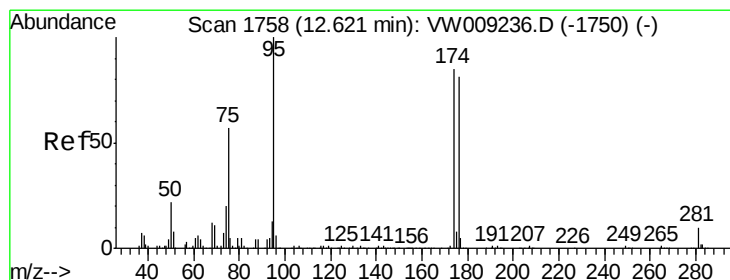
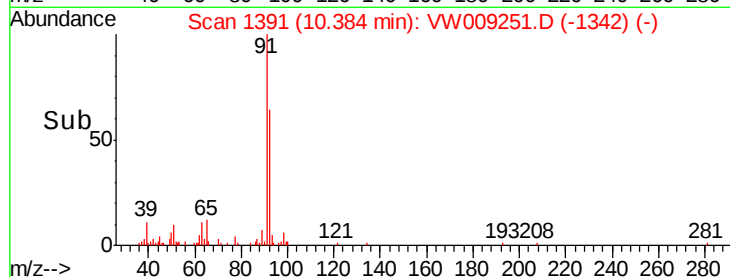
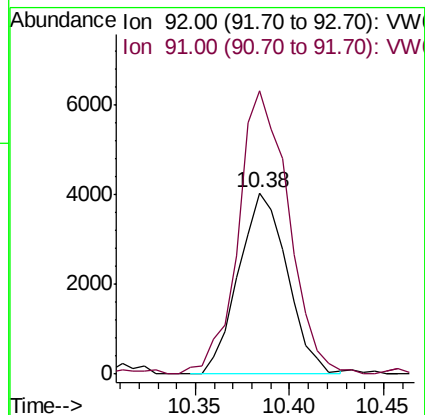
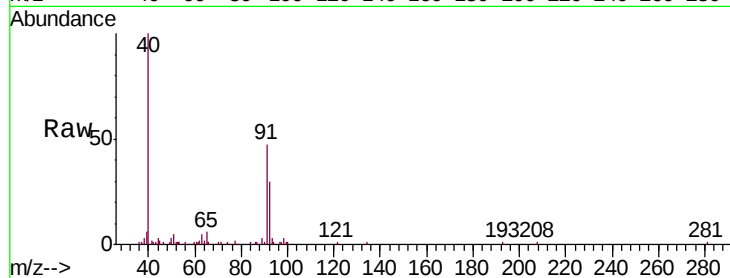
20190133-LOC-10

Tgt Ion: 92 Resp: 7255

Ion Ratio Lower Upper

92 100

91 161.4 140.1 210.1



#62

4-Bromofluorobenzene

Concen: 36.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

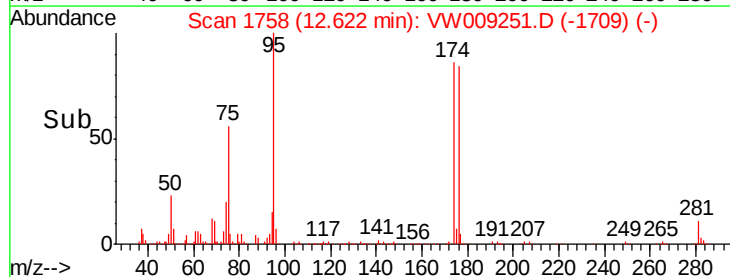
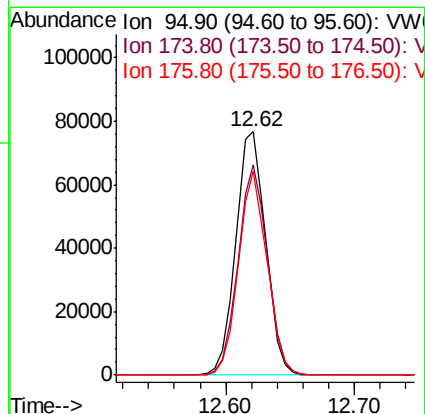
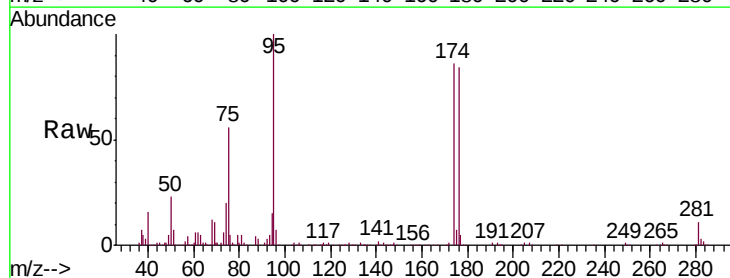
Tgt Ion: 95 Resp: 123467

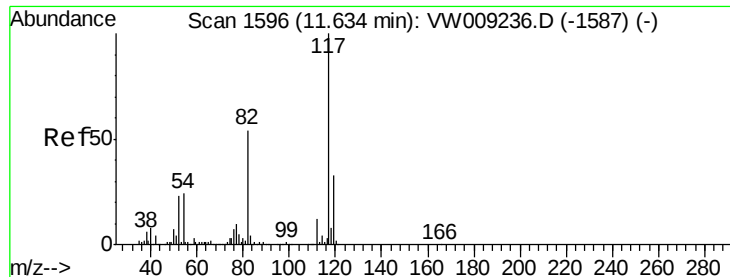
Ion Ratio Lower Upper

95 100

174 84.6 0.0 168.4

176 80.0 0.0 161.6

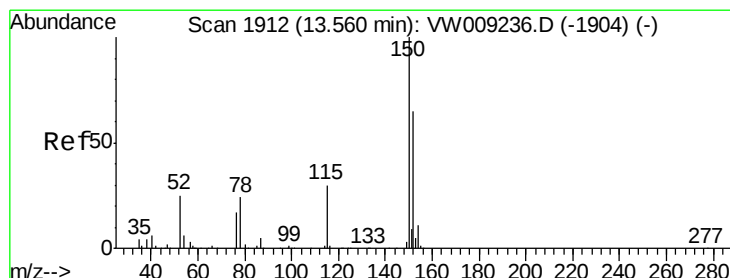
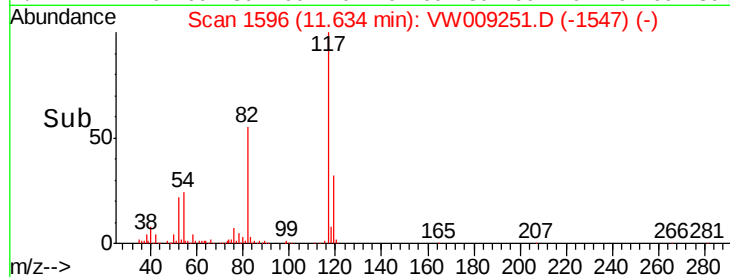
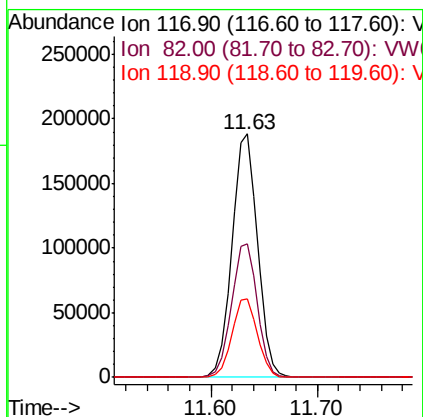
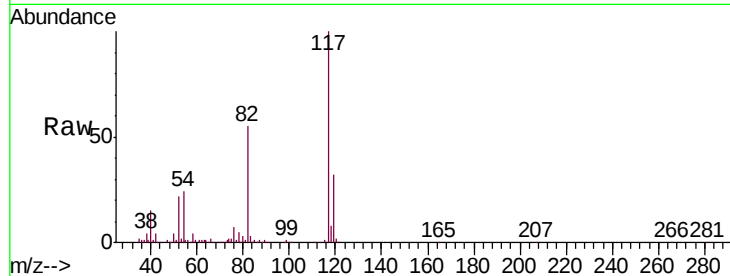




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

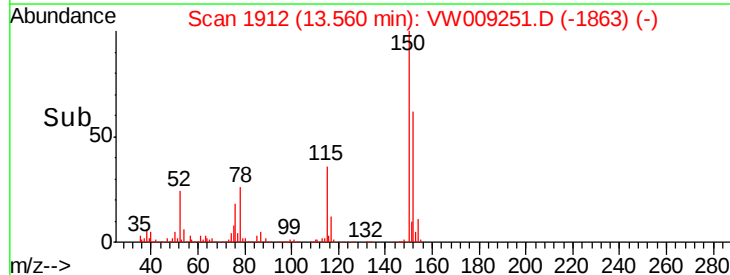
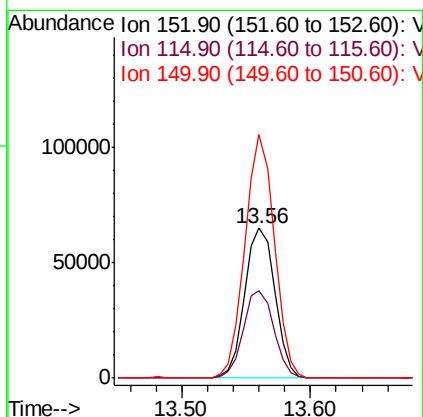
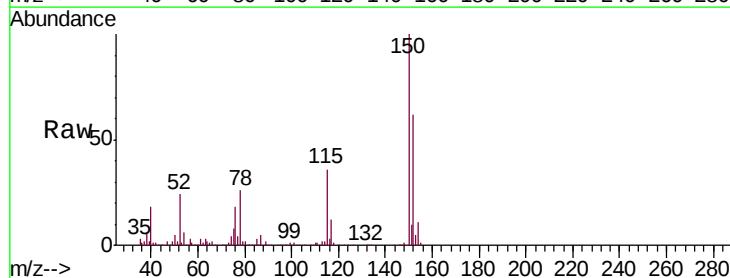
Instrument :
MSVOA_W
ClientSampleId :
20190133-LOC-10

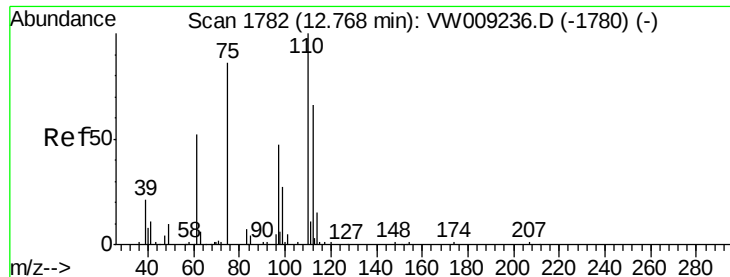
Tgt Ion:117 Resp: 317158
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009251.D
Acq: 19 Mar 2019 19:41

Tgt Ion:152 Resp: 105611
Ion Ratio Lower Upper
152 100
115 58.6 29.6 88.8
150 157.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 67.799 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

Instrument :

MSVOA_W

ClientSampleId :

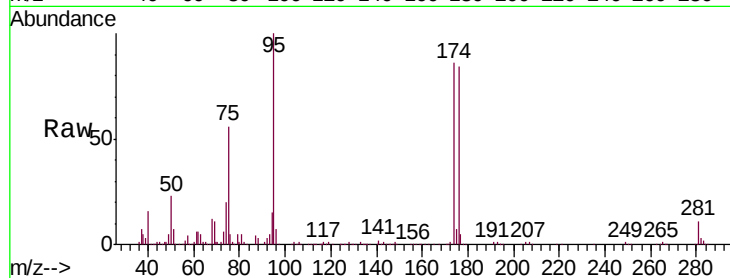
20190133-LOC-10

Tgt Ion: 75 Resp: 67288

Ion Ratio Lower Upper

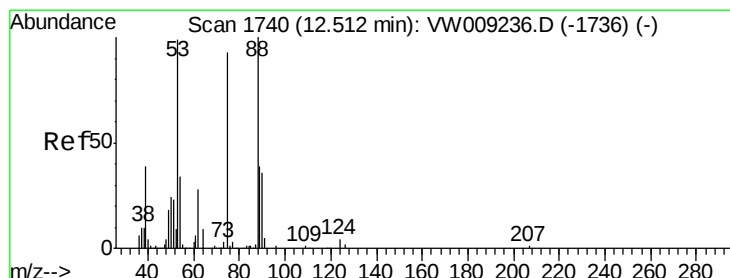
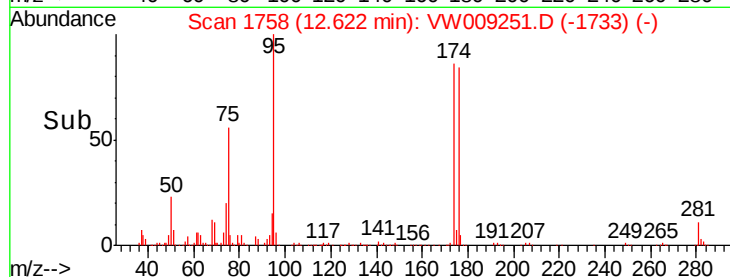
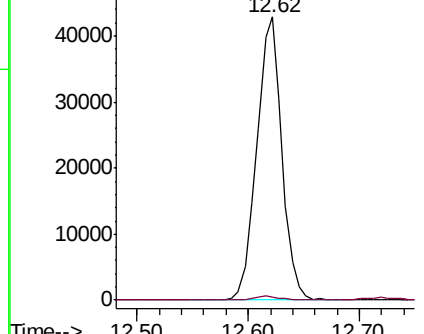
75 100

77 1.3 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: 166.361 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009251.D

Acq: 19 Mar 2019 19:41

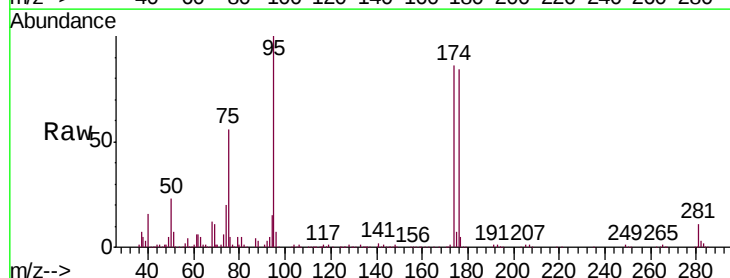
Tgt Ion: 75 Resp: 67288

Ion Ratio Lower Upper

75 100

53 0.2 86.7 130.1#

89 0.1 36.4 54.6#



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

