

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009146.D
 Acq On : 13 Mar 2019 09:50
 Operator : SY/VA
 Sample : K1697-07RE
 Misc : 6.05G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 09:50:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	519237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	188286	58.41	ug/l	0.00
Spiked Amount			Recovery	=	116.82%	
35) Dibromofluoromethane	7.88	113	158718	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	10.32	98	616234	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.62	95	209565	41.46	ug/l	0.00
Spiked Amount			Recovery	=	82.92%	

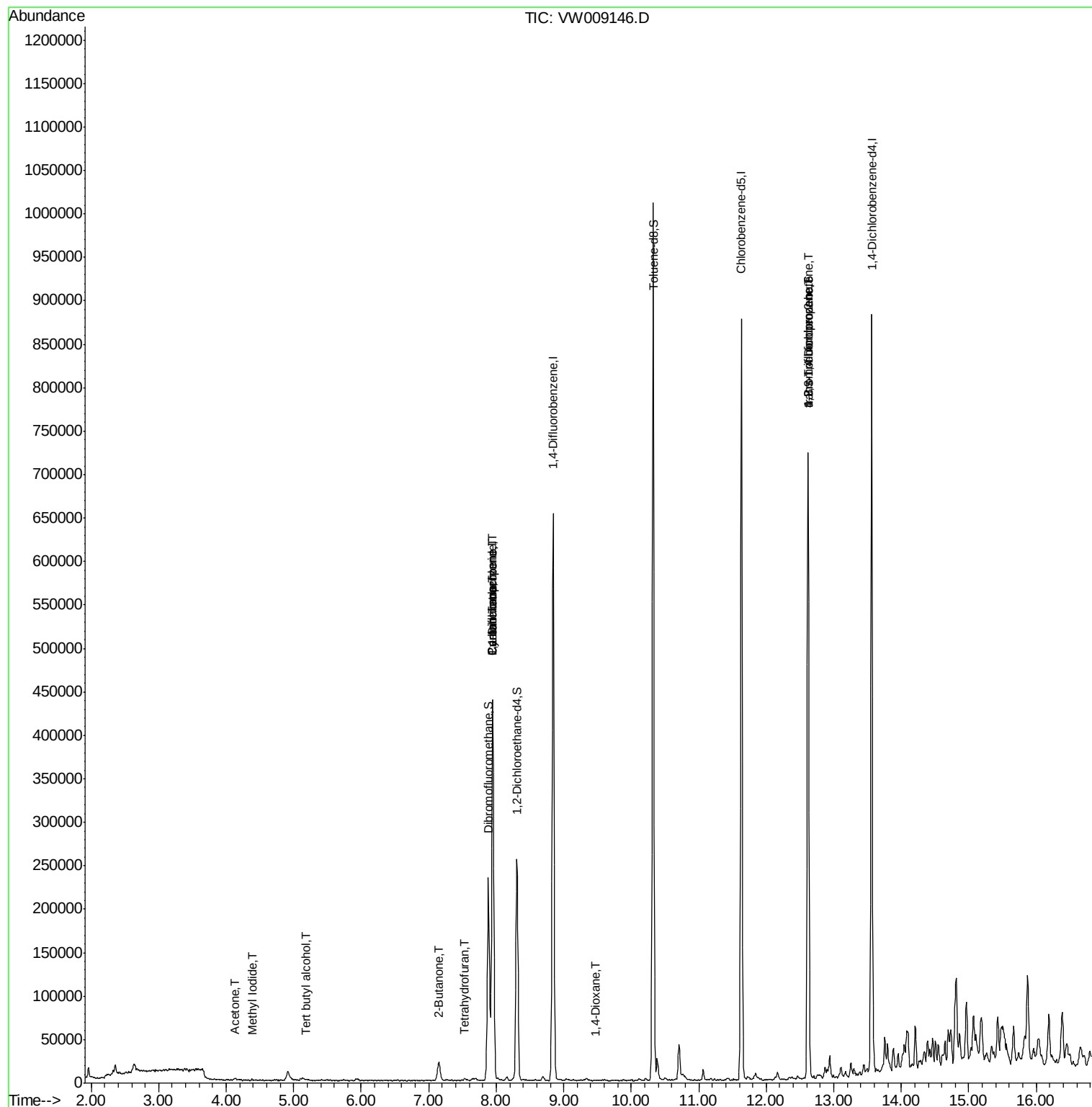
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.39	142	57	3.202	ug/l #	40
11) Tert butyl alcohol	5.18	59	714	2.890	ug/l #	88
16) Acetone	4.13	43	3322	4.567	ug/l	97
20) Methylene Chloride	4.92	84	6805	Below Cal		88
25) 2-Butanone	7.15	43	2203	2.191	ug/l #	67
29) Tetrahydrofuran	7.54	42	1698	2.680	ug/l	95
31) Cyclohexane	7.94	56	9183	1.527	ug/l #	37
36) 1,1-Dichloropropene	7.95	75	26838	4.943	ug/l #	48
38) Carbon Tetrachloride	7.95	117	32742	5.840	ug/l #	17
49) 1,4-Dioxane	9.48	88	35	1.233	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	116221	70.500	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	116221	157.690	ug/l #	5

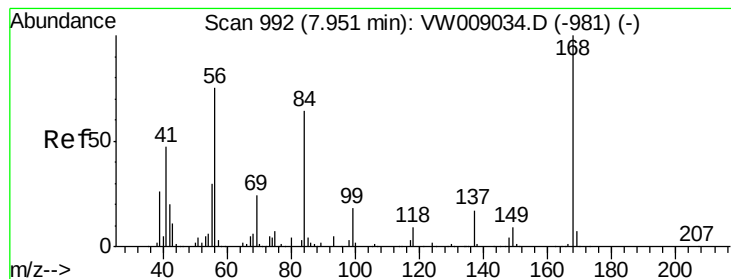
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

Instrument :

MSVOA_W

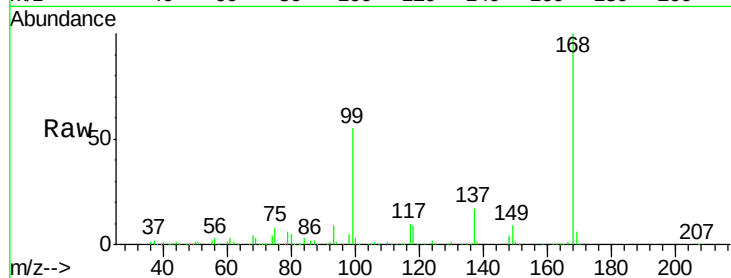
ClientSampled :

Tot Ion:168 Resp: 320409

Ion Ratio Lower Upper

168 100

99 55.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

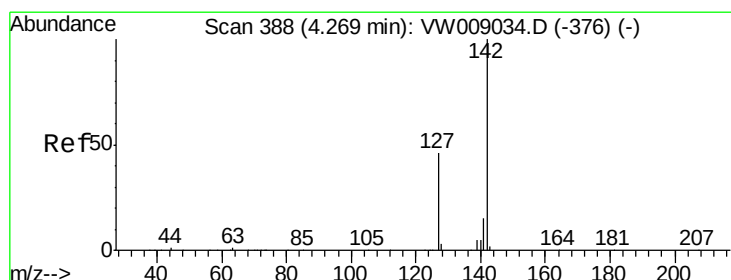
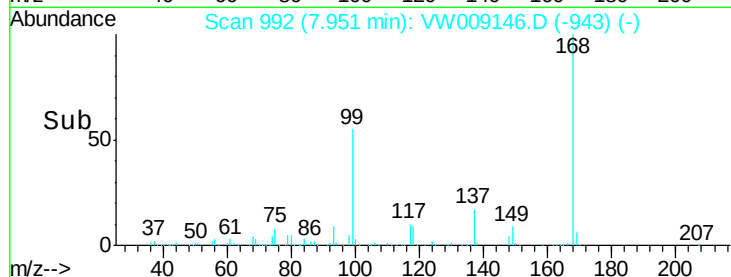
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#10

Methyl Iodide

Concen: 3.202 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.12 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

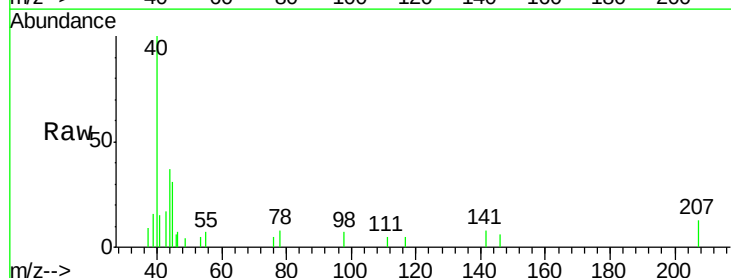
Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.39

120

100

80

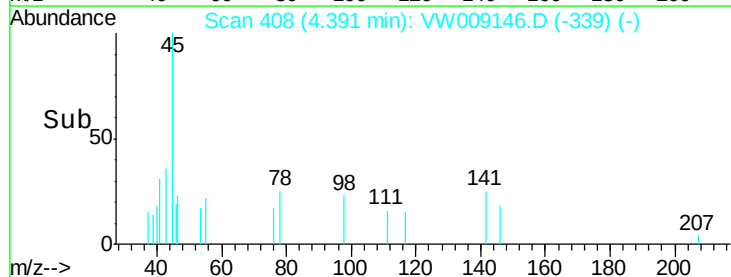
60

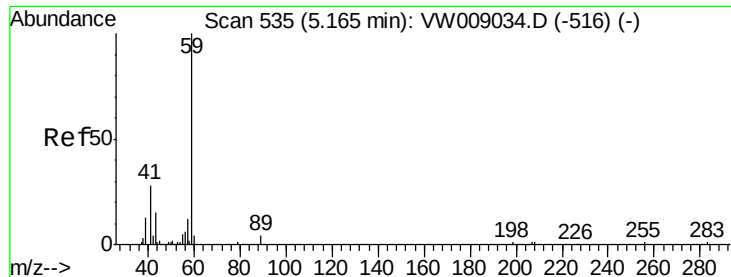
40

20

0

Time--> 4.36 4.38 4.40



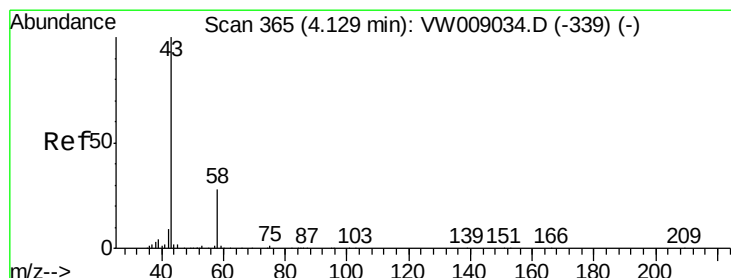
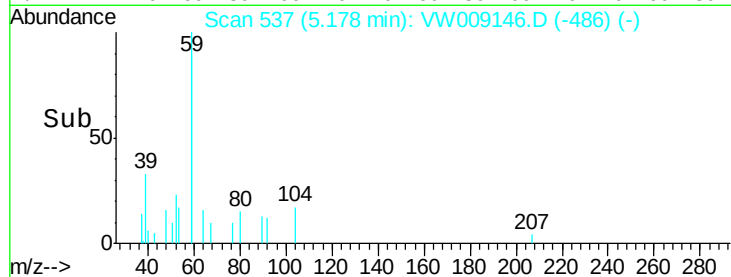
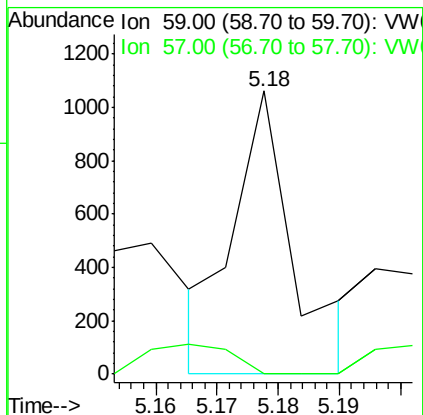
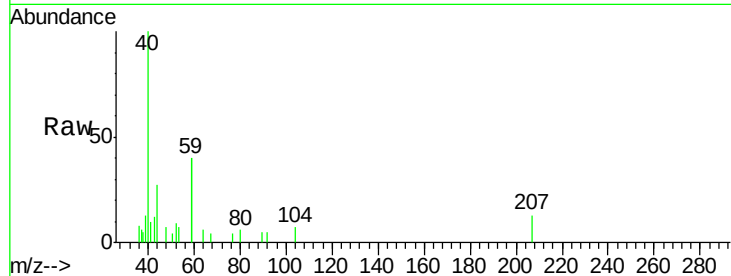


#11

Tert butyl alcohol
 Concen: 2.890 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

Instrument :
 MSVOA_W
 ClientSampled :

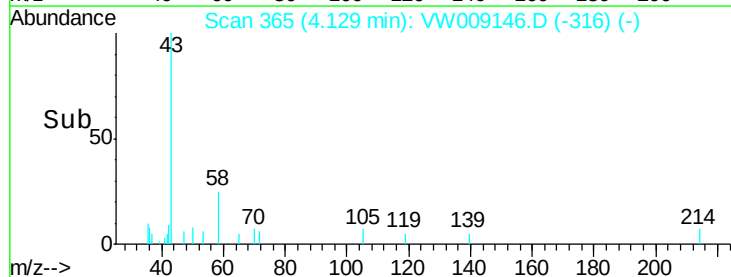
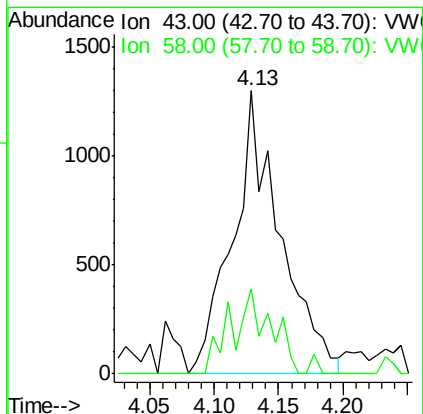
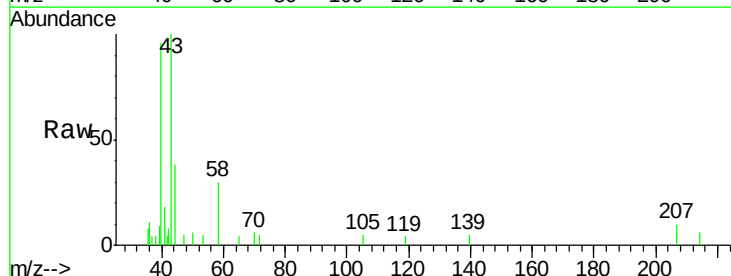
Tot Ion: 59 Resp: 714
 Ion Ratio Lower Upper
 59 100
 57 15.3 8.6 12.8#

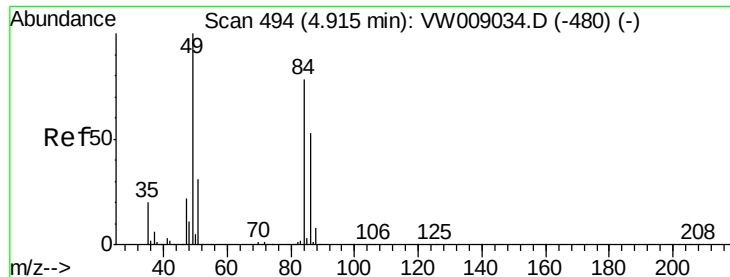


#16

Acetone
 Concen: 4.567 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

Tgt Ion: 43 Resp: 3322
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.5 33.7

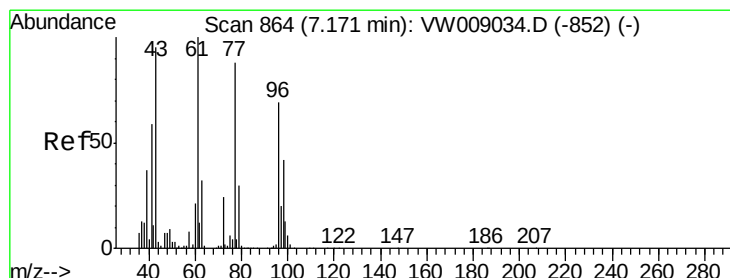
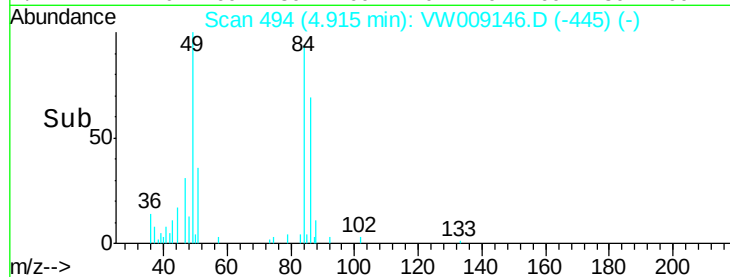
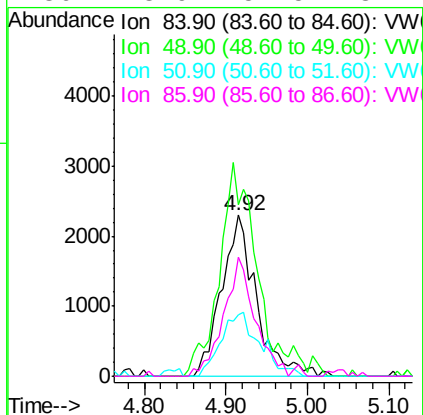
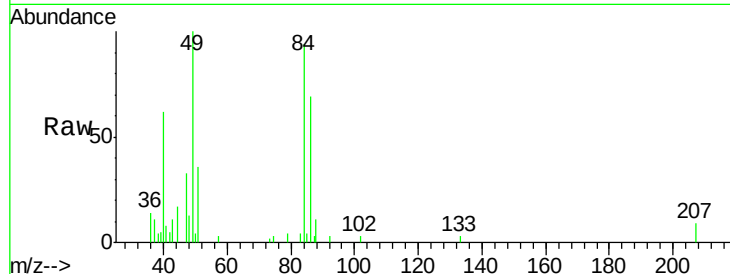




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

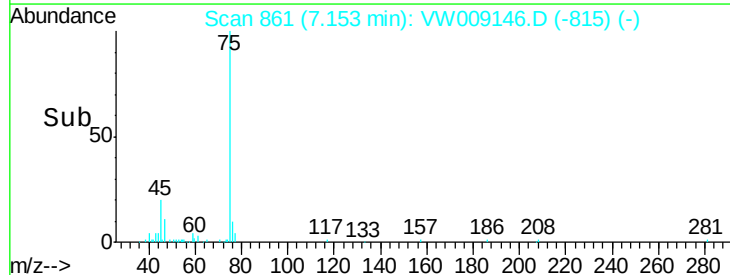
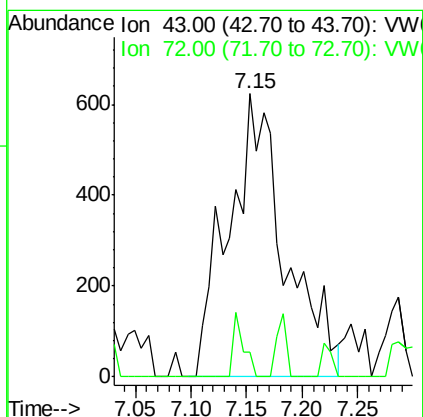
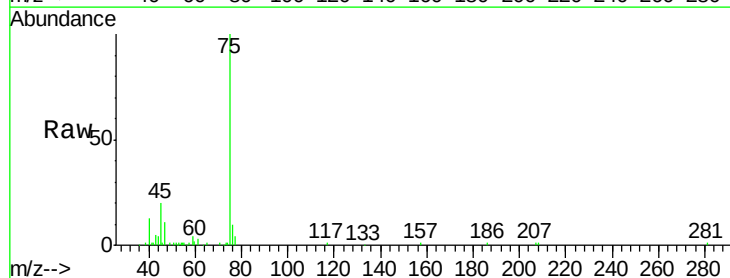
Instrument :
MSVOA_W
ClientSampleId :

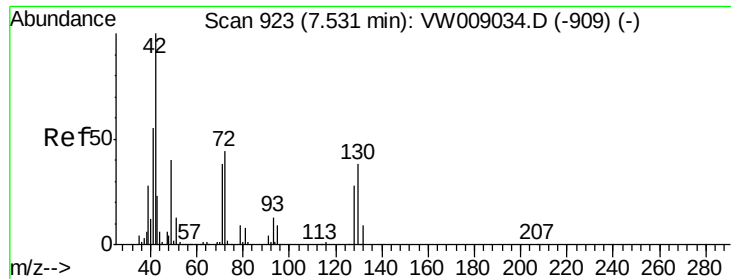
Tot Ion: 84 Resp: 6805
Ion Ratio Lower Upper
84 100
49 106.7 102.4 153.6
51 38.0 31.6 47.4
86 73.9 54.5 81.7



#25
2-Butanone
Concen: 2.191 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

Tgt Ion: 43 Resp: 2203
Ion Ratio Lower Upper
43 100
72 8.7 20.0 30.0#

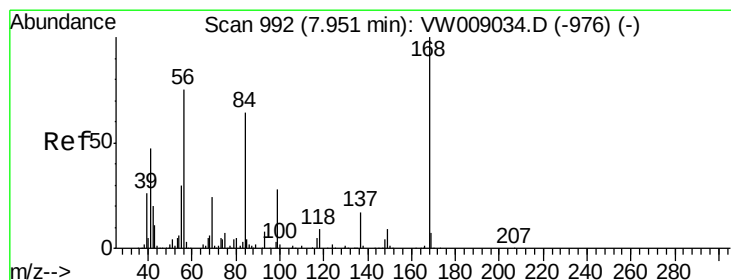
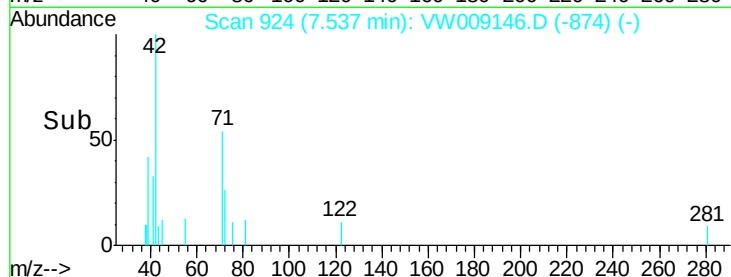
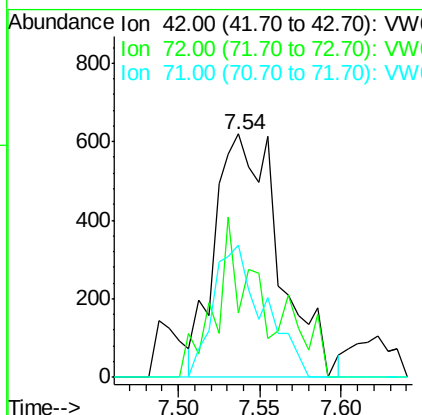
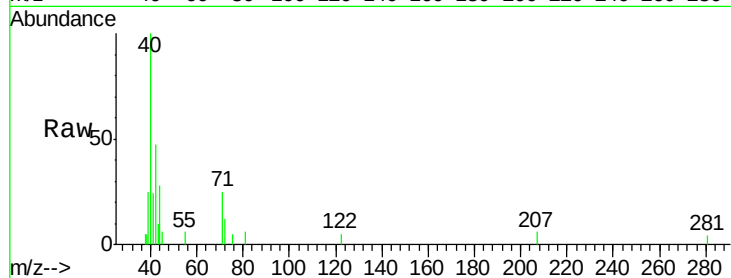




#29
Tetrahydrofuran
Concen: 2.680 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

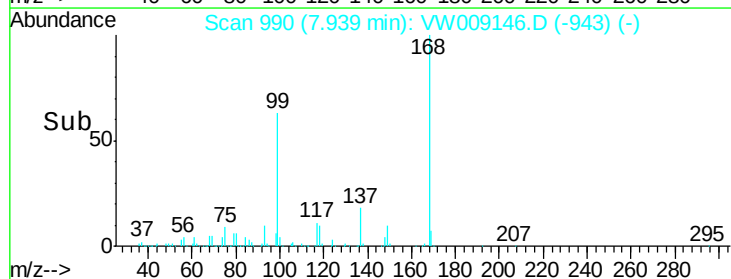
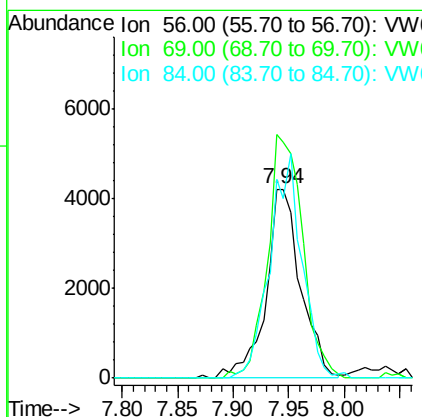
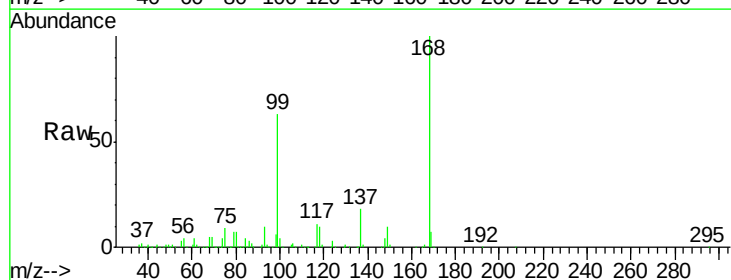
Instrument :
MSVOA_W
ClientSampled :

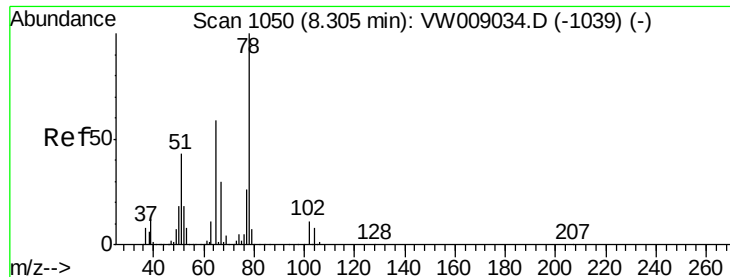
Tot Ion: 42 Resp: 1698
Ion Ratio Lower Upper
42 100
72 38.8 32.2 48.4
71 42.8 30.7 46.1



#31
Cyclohexane
Concen: 1.527 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

Tgt Ion: 56 Resp: 9183
Ion Ratio Lower Upper
56 100
69 128.9 25.5 38.3#
84 105.1 68.6 103.0#

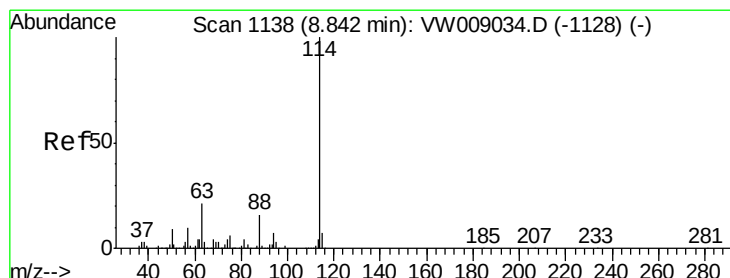
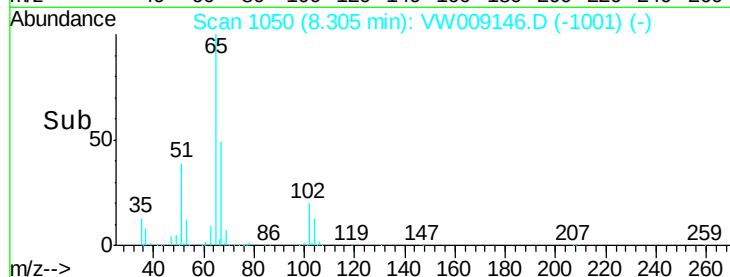
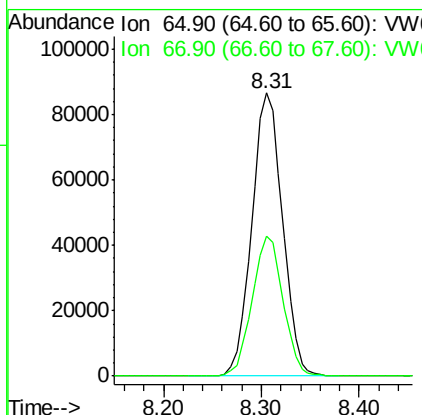
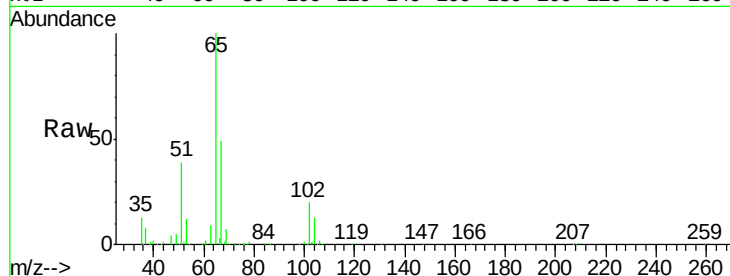




#33
 1,2-Dichloroethane-d4
 Concen: 58.408 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

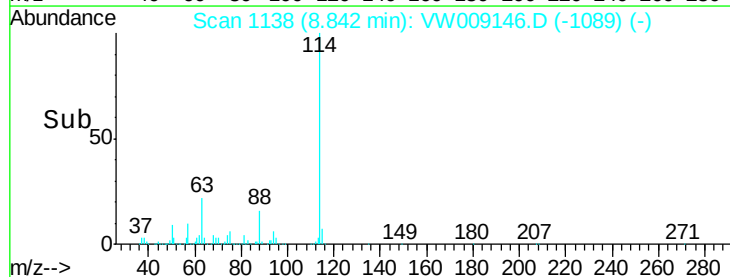
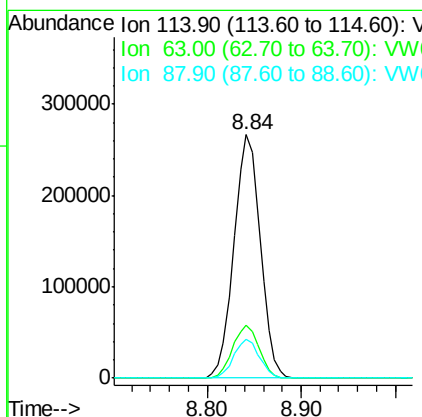
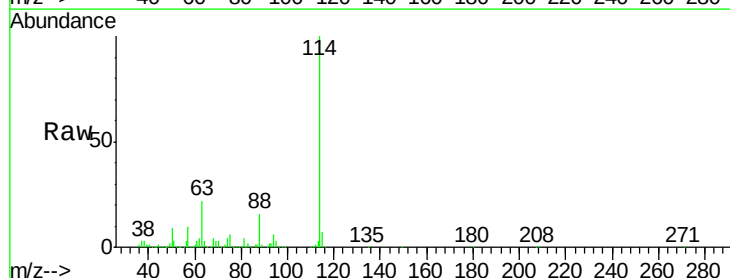
Instrument :
 MSVOA_W
 ClientSampleId :

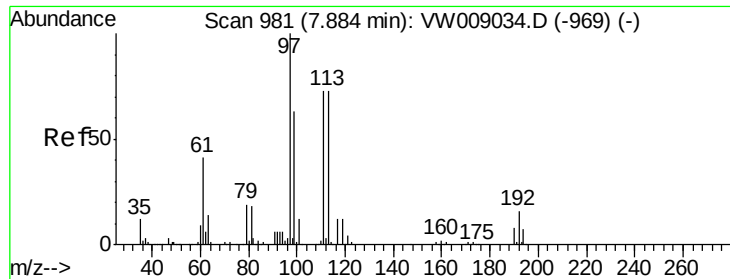
Tot Ion: 65 Resp: 188286
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

Tgt Ion: 114 Resp: 519237
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 41.2
 88 15.8 0.0 31.2

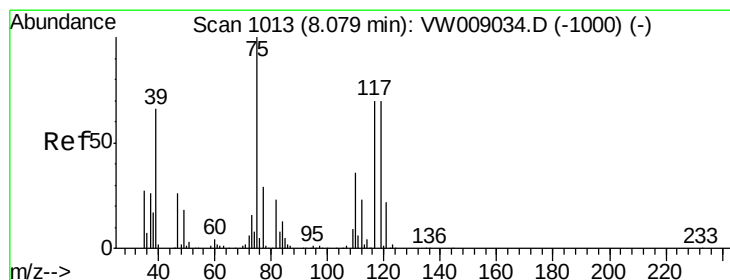
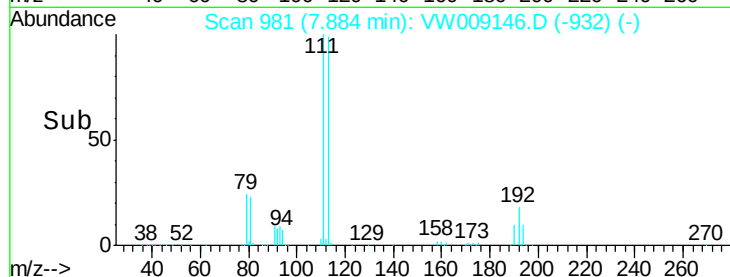
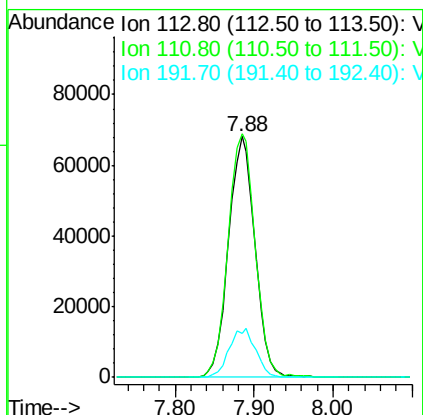
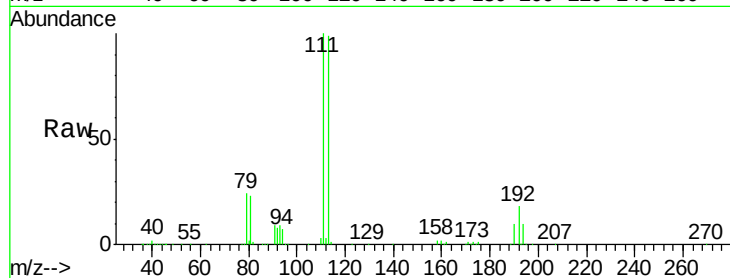




#35
 Dibromofluoromethane
 Concen: 50.769 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

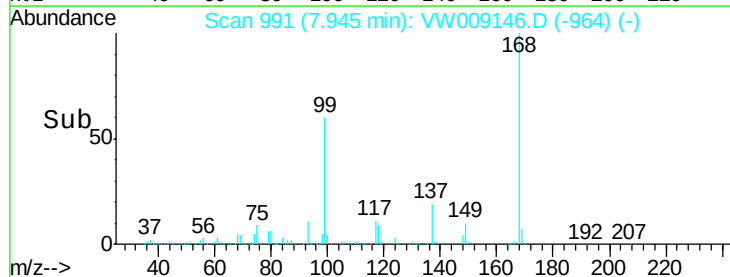
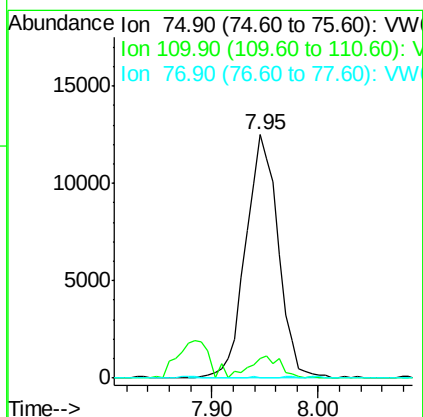
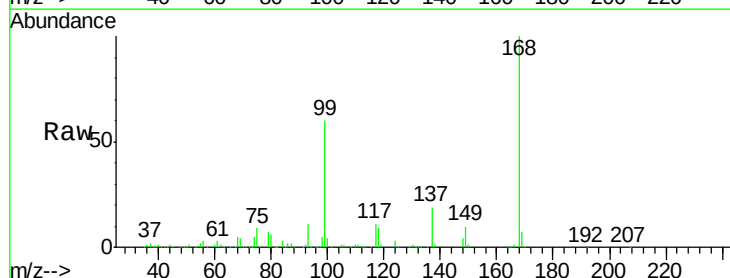
Instrument :
 MSVOA_W
 ClientSampled :

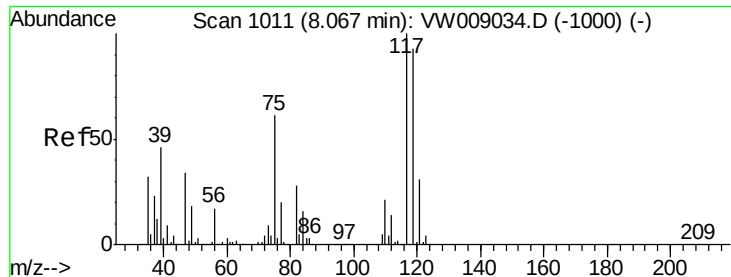
Tot Ion:113 Resp: 158718
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.4
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009146.D
 Acq: 13 Mar 2019 09:50

Tgt Ion: 75 Resp: 26838
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.6 52.9#
 77 0.1 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

Instrument :

MSVOA_W

ClientSampled :

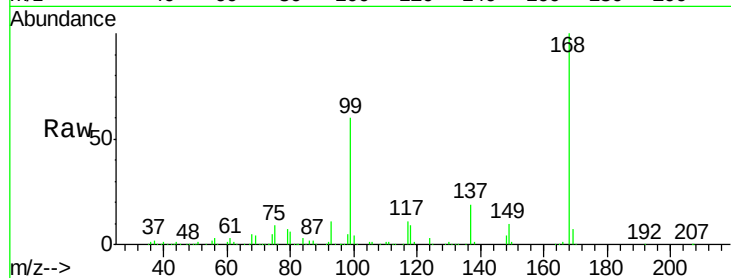
Tot Ion:117 Resp: 32742

Ion Ratio Lower Upper

117 100

119 5.1 74.6 112.0#

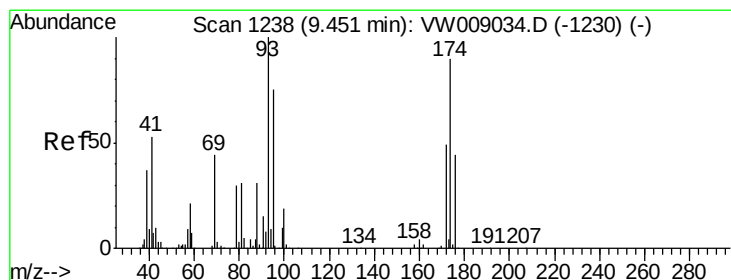
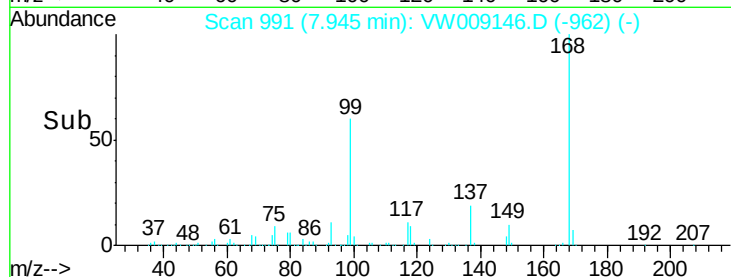
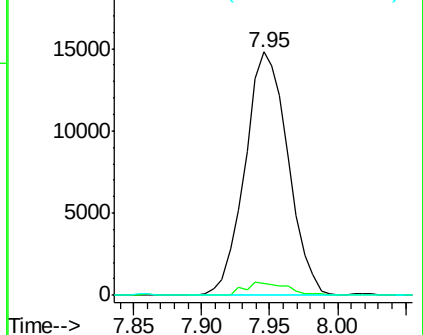
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 1.233 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.03 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

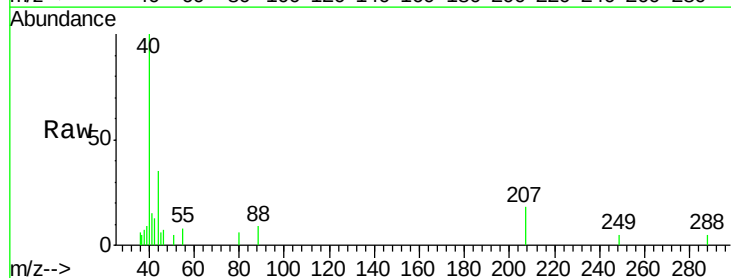
Tgt Ion: 88 Resp: 35

Ion Ratio Lower Upper

88 100

43 362.9 29.0 43.4#

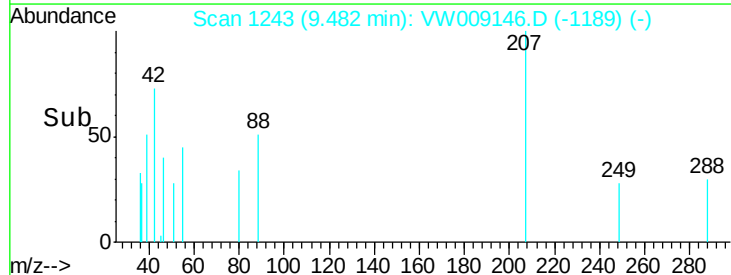
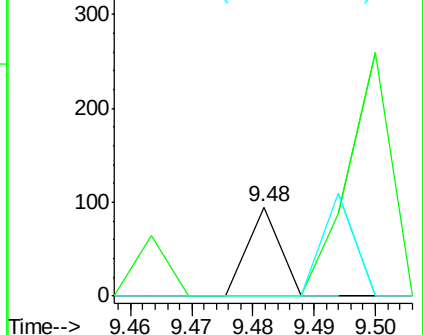
58 114.3 59.2 88.8#

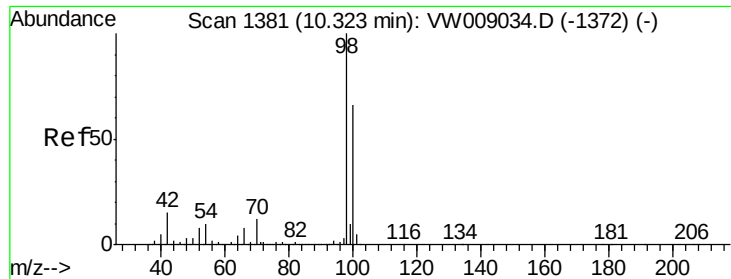


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 47.993 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

Instrument :

MSVOA_W

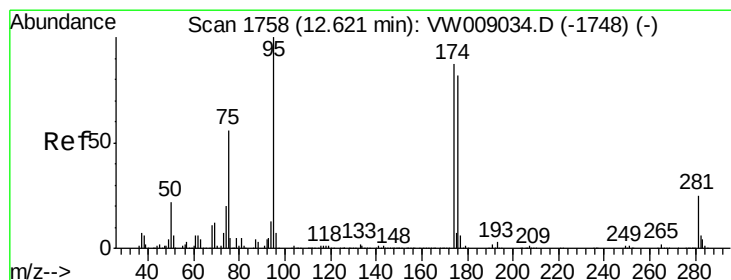
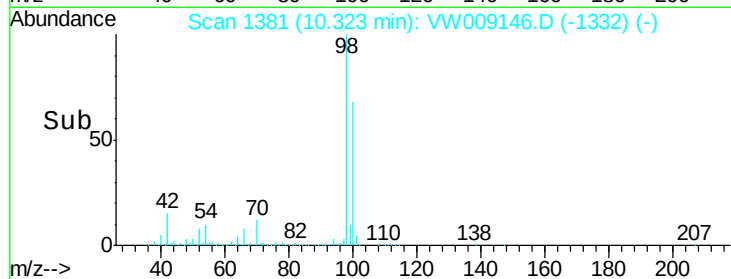
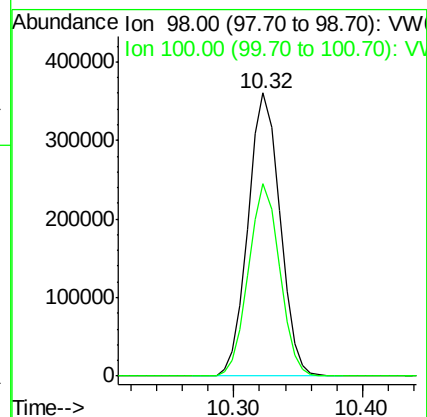
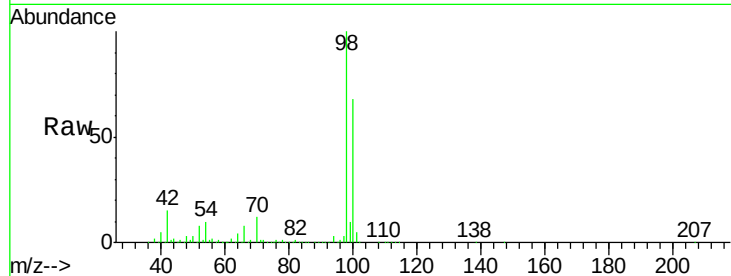
ClientSampleId :

Tot Ion: 98 Resp: 616234

Ion Ratio Lower Upper

98 100

100 66.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 41.460 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

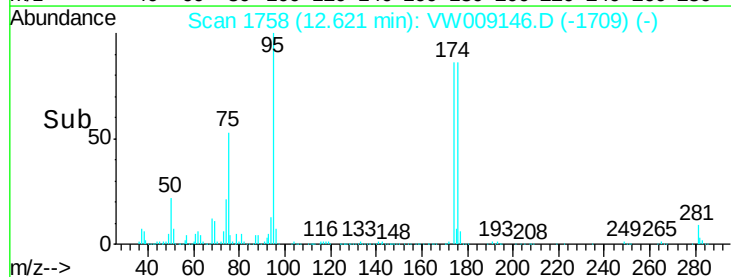
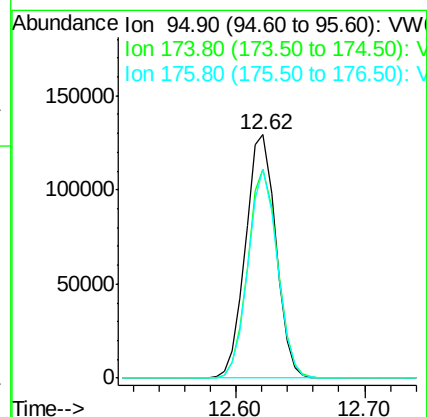
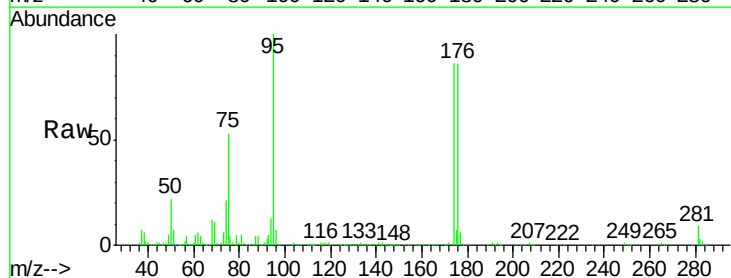
Tgt Ion: 95 Resp: 209565

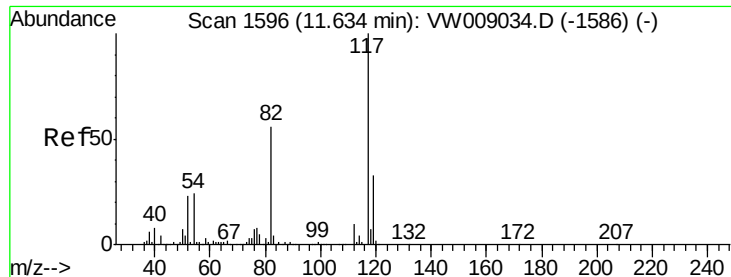
Ion Ratio Lower Upper

95 100

174 84.7 0.0 167.0

176 82.6 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

Instrument :

MSVOA_W

ClientSampleId :

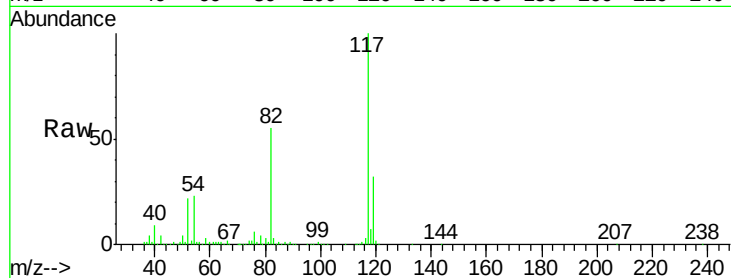
Tot Ion:117 Resp: 464600

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

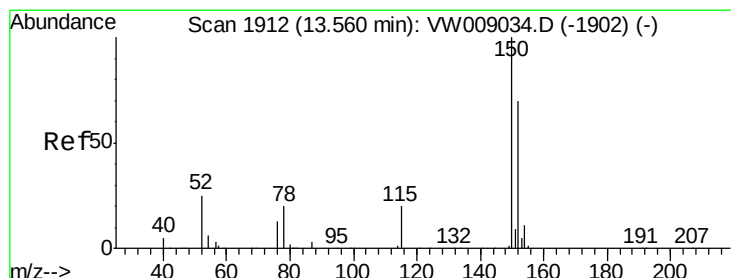
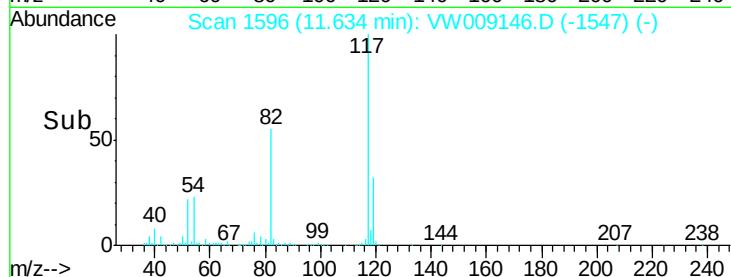
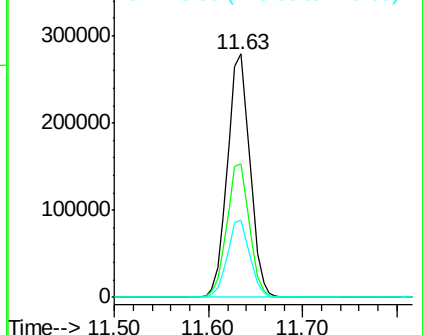
119 31.8 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009146.D

Acq: 13 Mar 2019 09:50

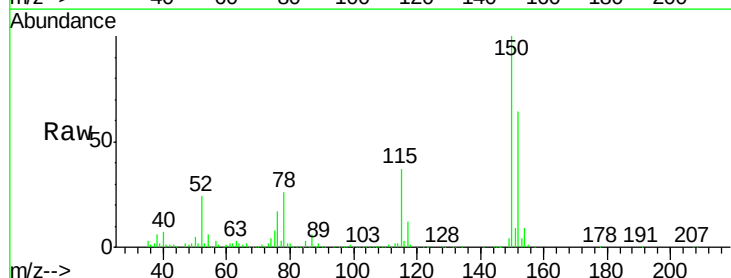
Tgt Ion:152 Resp: 208652

Ion Ratio Lower Upper

152 100

115 59.7 28.9 86.7

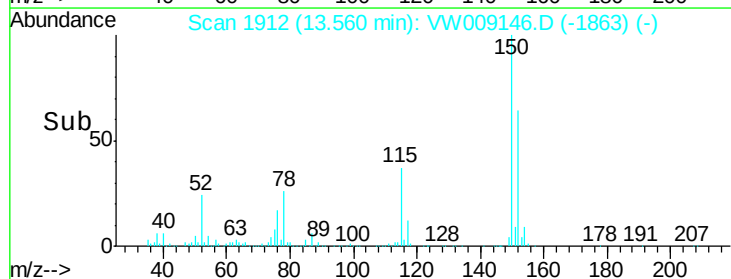
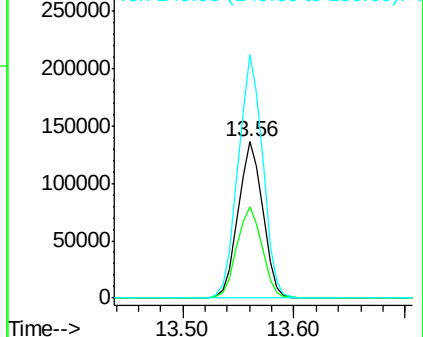
150 155.6 0.0 349.2

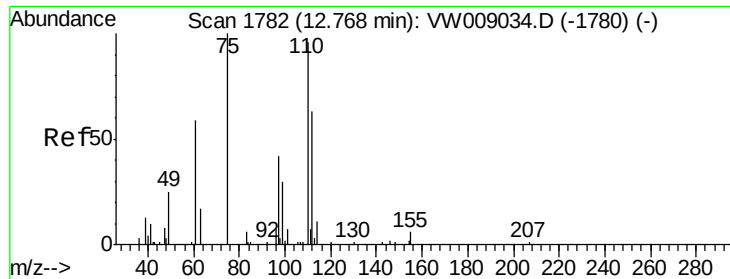


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



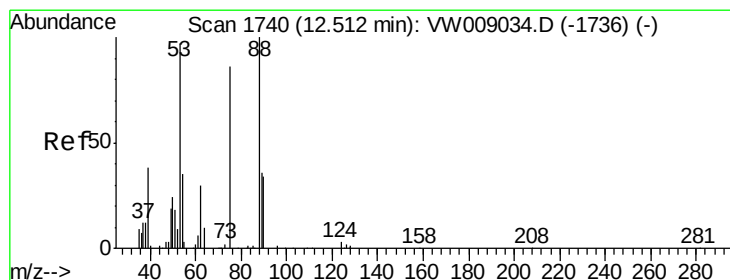
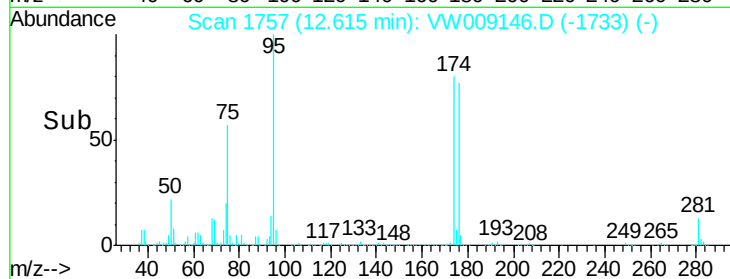
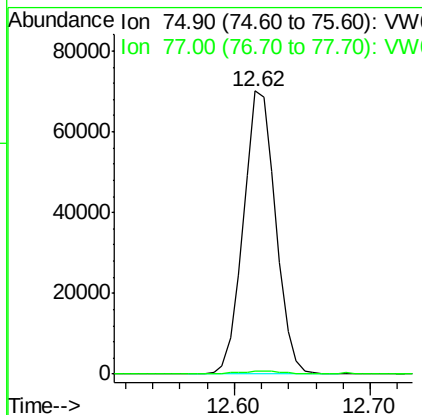
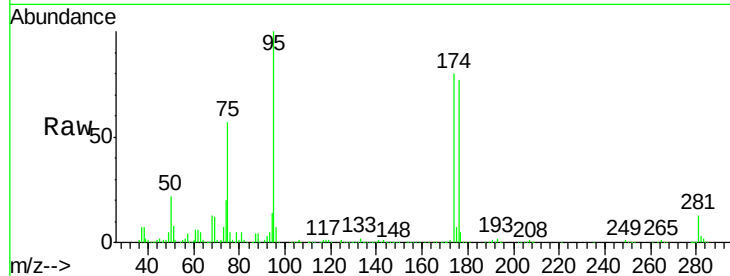


#76

1,2,3-Trichloropropane
Concen: 70.500 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 116221
Ion Ratio Lower Upper
75 100
77 1.4 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene
Concen: 157.690 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW009146.D
Acq: 13 Mar 2019 09:50

Tgt Ion: 75 Resp: 116221
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.2 37.5 56.3#

