

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009145.D
 Acq On : 13 Mar 2019 09:23
 Operator : SY/VA
 Sample : K1697-05RE
 Misc : 5.38G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 09:50:07 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	327044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	470766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221212	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	192420	58.48	ug/l	0.00
Spiked Amount			Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	160320	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	10.32	98	634271	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	217215	42.26	ug/l	0.00
Spiked Amount			Recovery	=	84.52%	

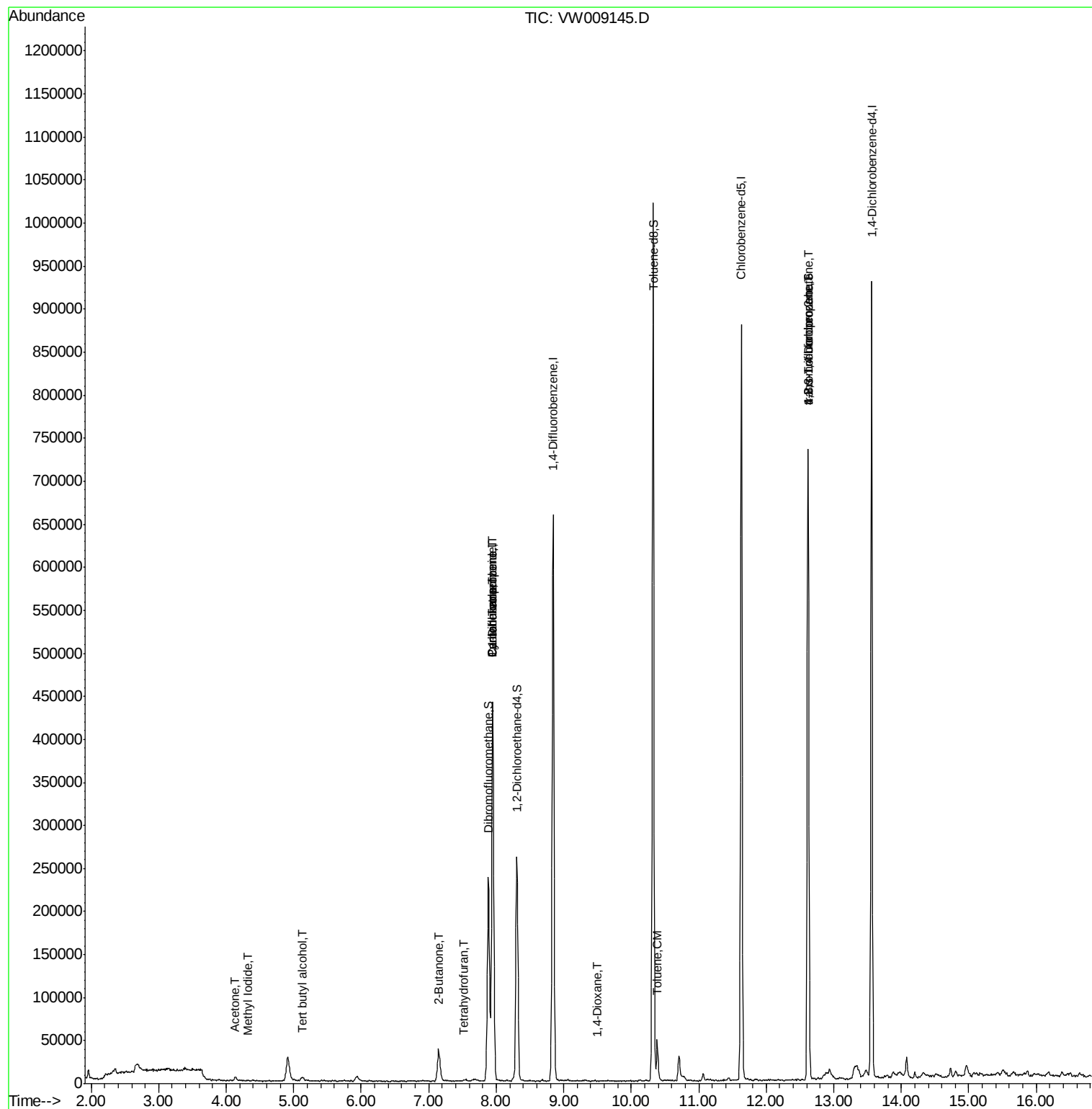
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	52	3.201	ug/l #	40
11) Tert butyl alcohol	5.12	59	3628	14.389	ug/l #	78
16) Acetone	4.13	43	8219	11.069	ug/l	97
25) 2-Butanone	7.15	43	2645	2.578	ug/l #	81
29) Tetrahydrofuran	7.52	42	734	1.135	ug/l #	58
31) Cyclohexane	7.95	56	8724	1.422	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	27038	4.897	ug/l #	50
38) Carbon Tetrachloride	7.95	117	32272	5.660	ug/l #	18
49) 1,4-Dioxane	9.51	88	53	1.836	ug/l #	1
52) Toluene	10.38	92	18674	1.868	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	117196	67.055	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	117196	149.985	ug/l #	5

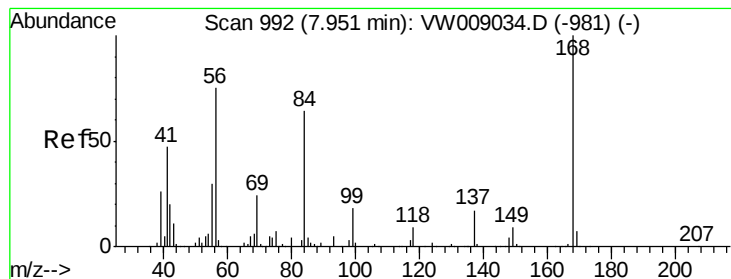
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009145.D

Acq: 13 Mar 2019 09:23

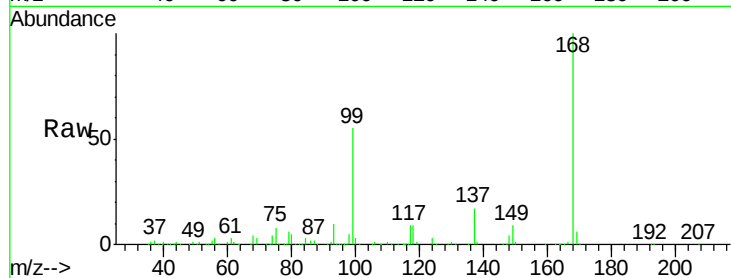
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 327044

Ion Ratio Lower Upper

168 100

99 54.9 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

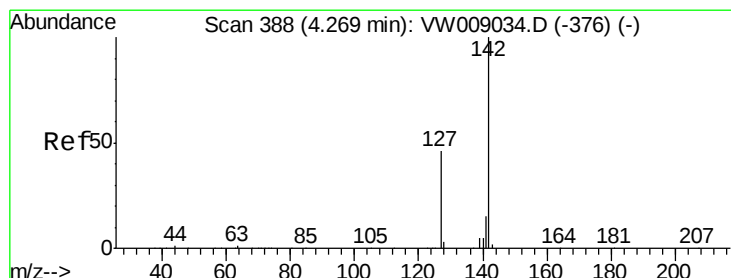
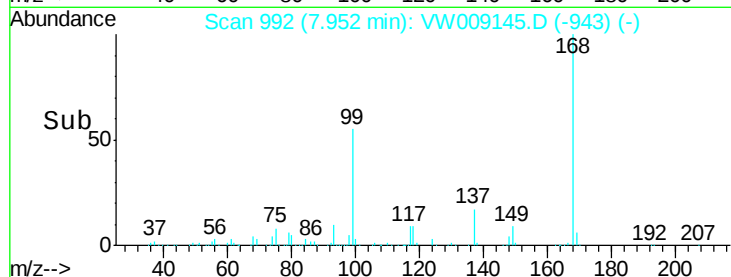
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 3.201 ug/l

RT: 4.31 min Scan# 395

Delta R.T. 0.04 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

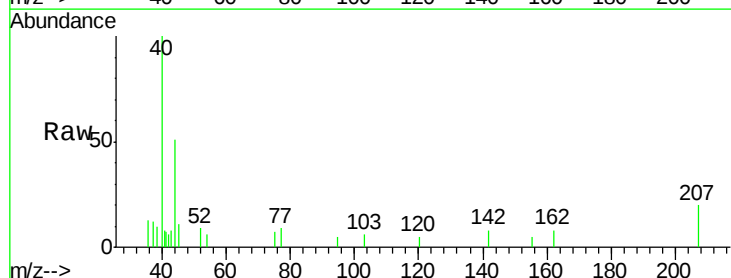
Tgt Ion:142 Resp: 52

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

4.31

100

80

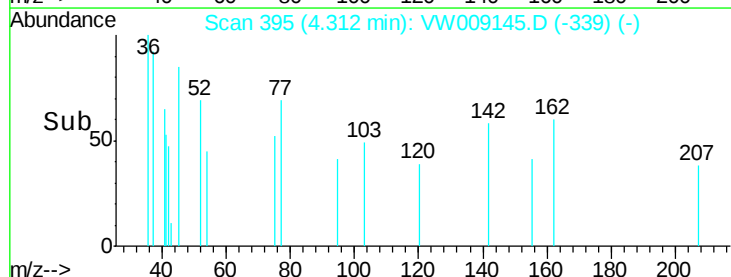
60

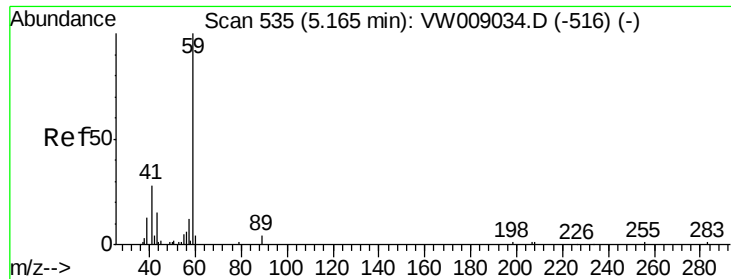
40

20

0

Time-->

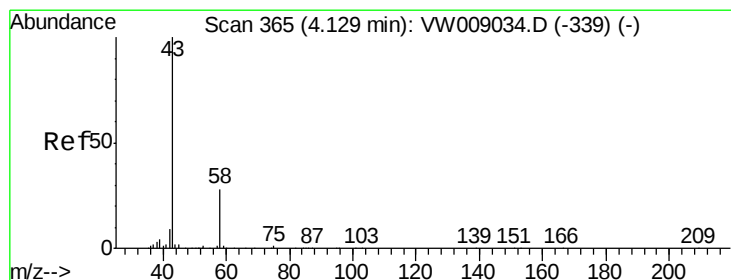
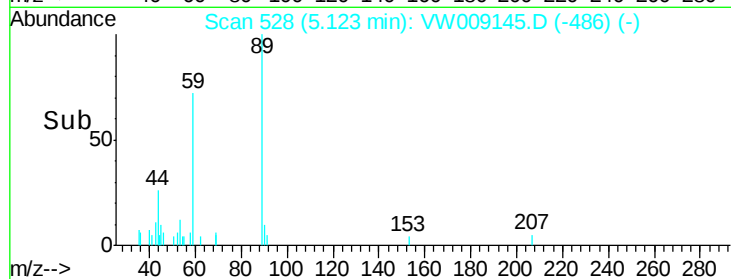
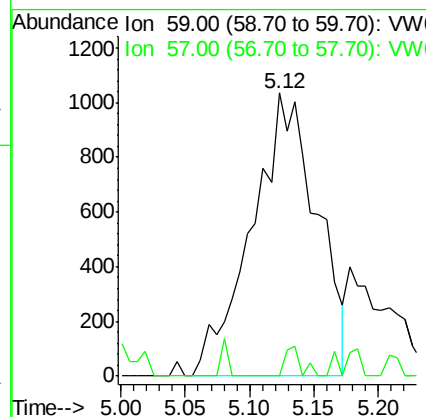
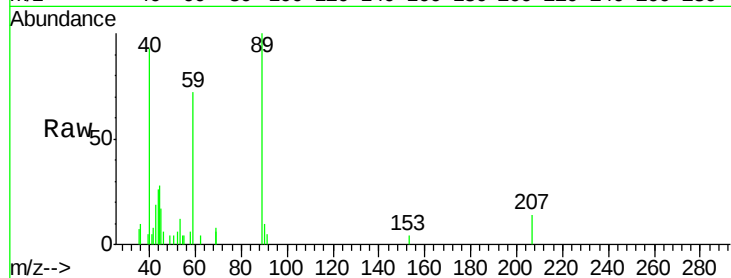




#11
Tert butyl alcohol
Concen: 14.389 ug/l
RT: 5.12 min Scan# 528
Delta R.T. -0.04 min
Lab File: VW009145.D
Acq: 13 Mar 2019 09:23

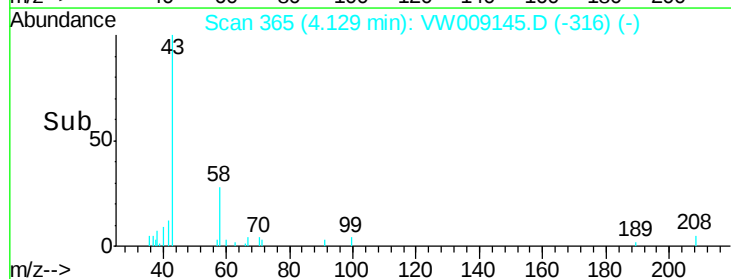
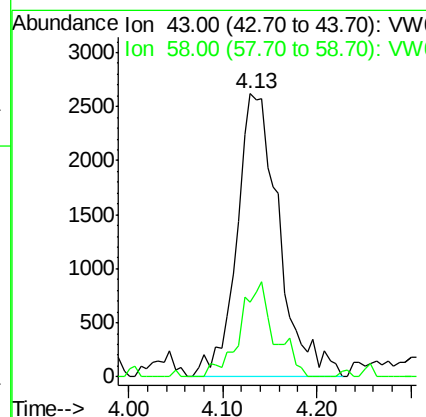
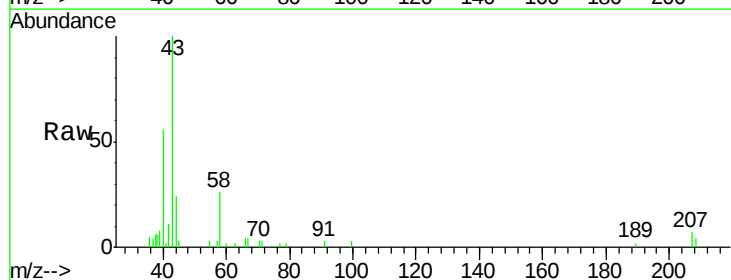
Instrument :
MSVOA_W
ClientSampled :

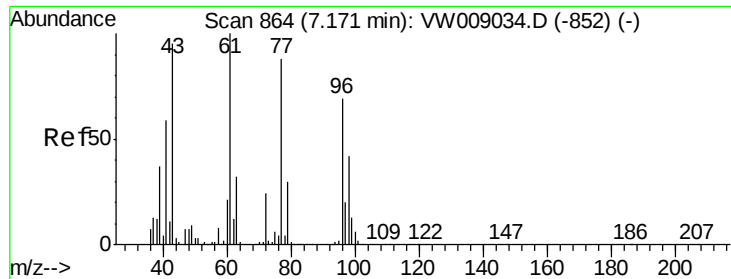
Tot Ion: 59 Resp: 3628
Ion Ratio Lower Upper
59 100
57 2.6 8.6 12.8#



#16
Acetone
Concen: 11.069 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.00 min
Lab File: VW009145.D
Acq: 13 Mar 2019 09:23

Tgt Ion: 43 Resp: 8219
Ion Ratio Lower Upper
43 100
58 26.3 22.5 33.7





#25

2-Butanone

Concen: 2.578 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

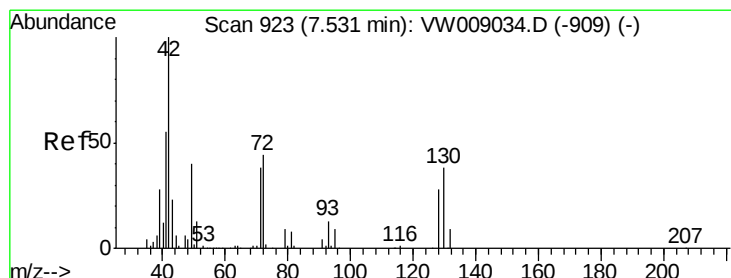
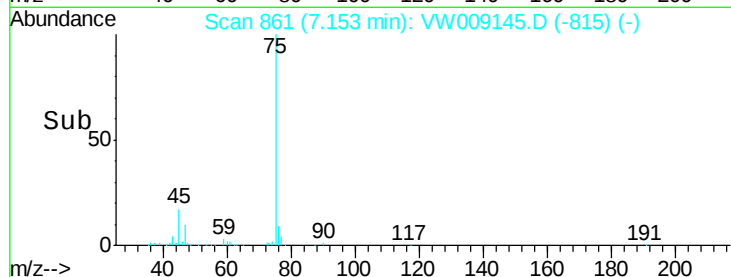
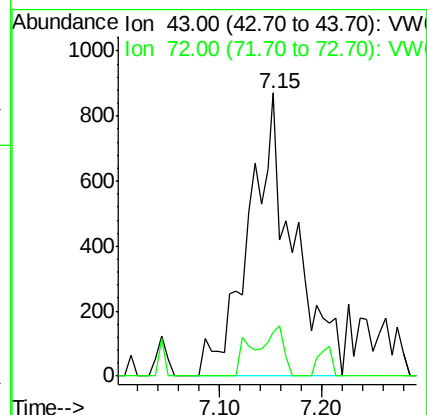
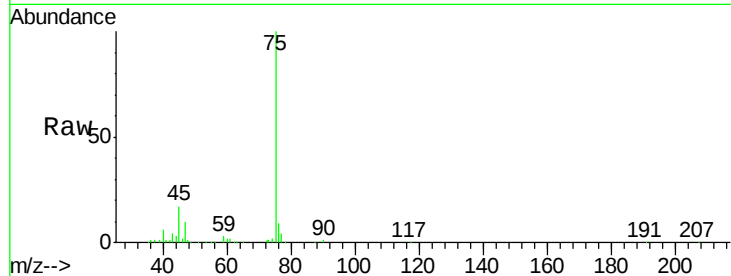
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 2645

Ion Ratio Lower Upper

43 100

72 15.5 20.0 30.0#



#29

Tetrahydrofuran

Concen: 1.135 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

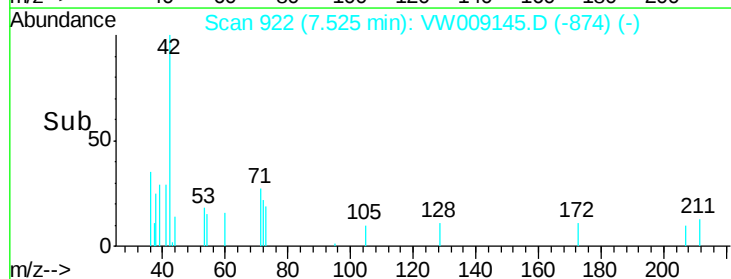
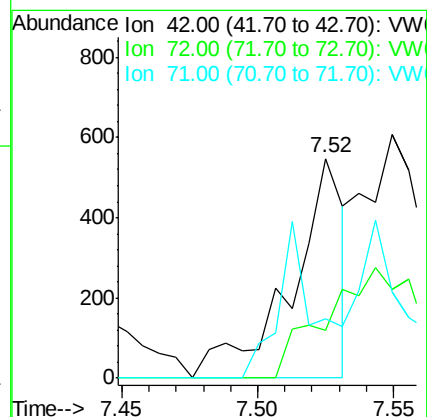
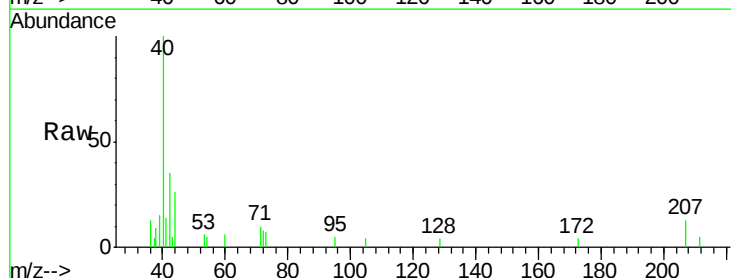
Tgt Ion: 42 Resp: 734

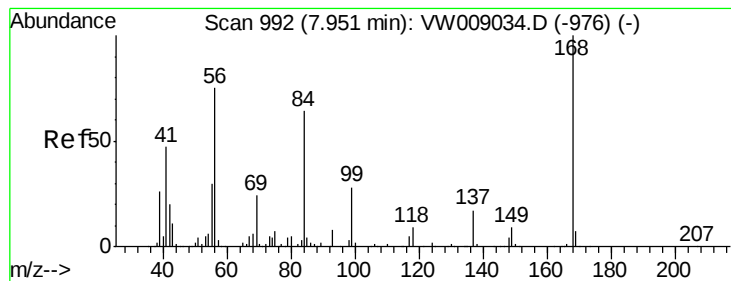
Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

71 49.7 30.7 46.1#





#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.95 min Scan# 991

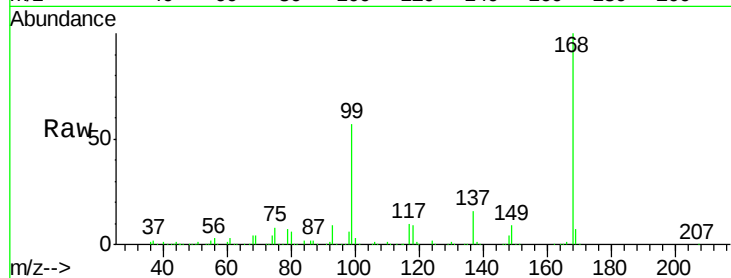
Delta R.T. -0.01 min

Lab File: VW009145.D

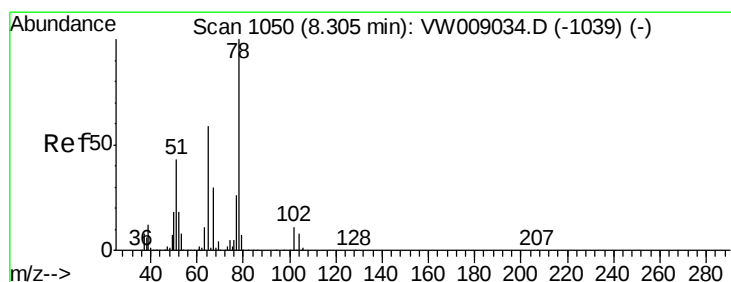
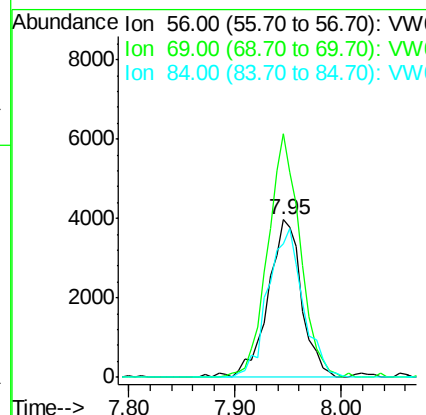
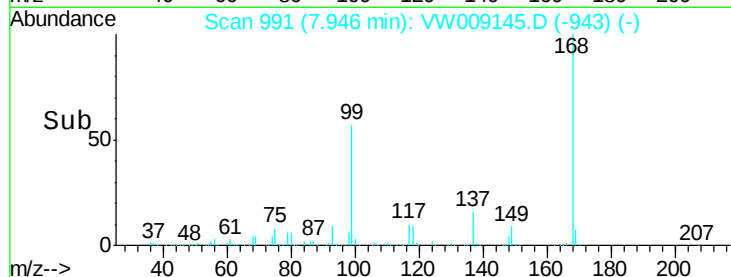
Acq: 13 Mar 2019 09:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 8724
Ion Ratio Lower Upper
56 100
69 154.7 25.5 38.3#
84 84.9 68.6 103.0



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: 58.480 ug/l

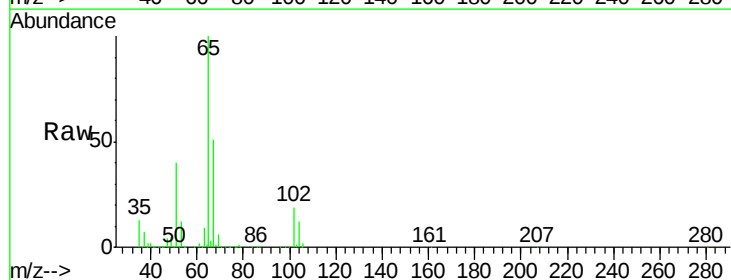
RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

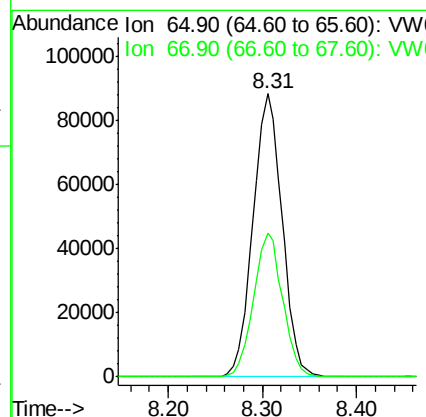
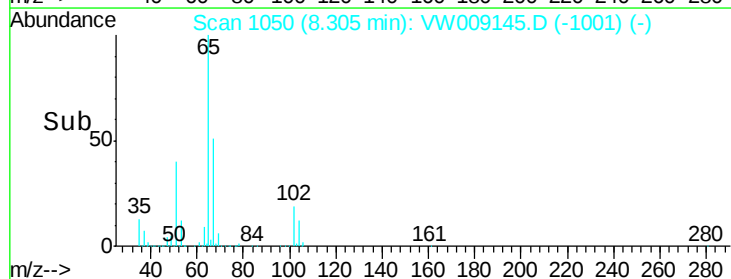
Lab File: VW009145.D

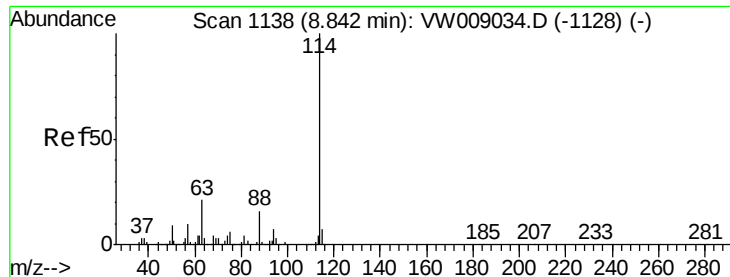
Acq: 13 Mar 2019 09:23

Tgt Ion: 65 Resp: 192420
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



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

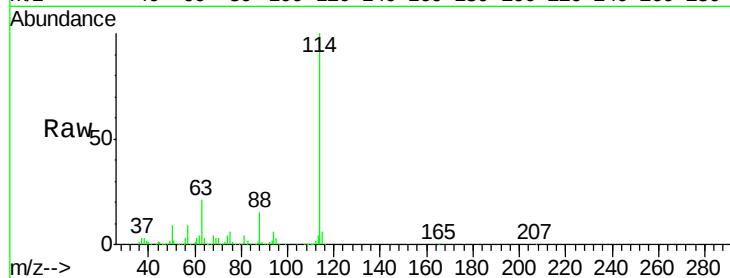




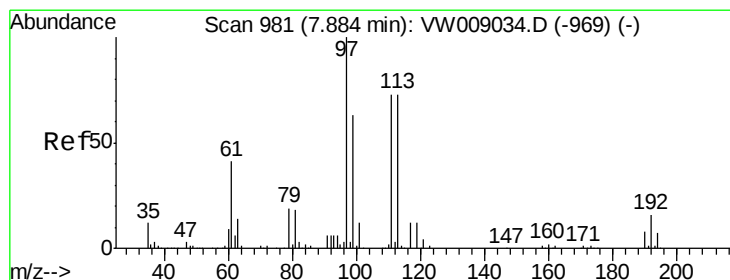
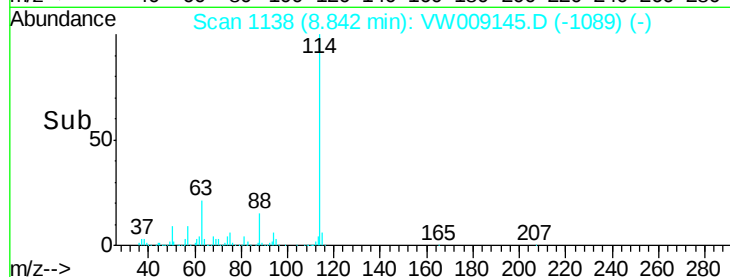
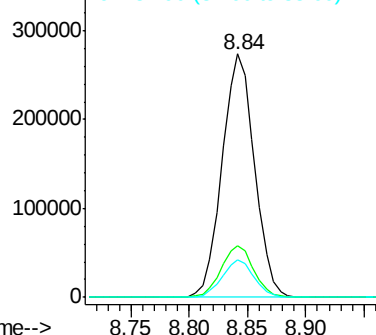
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009145.D
Acq: 13 Mar 2019 09:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:114 Resp: 528041
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.2
88 15.3 0.0 31.2

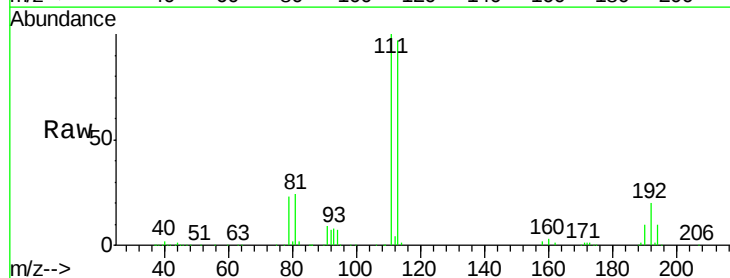


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

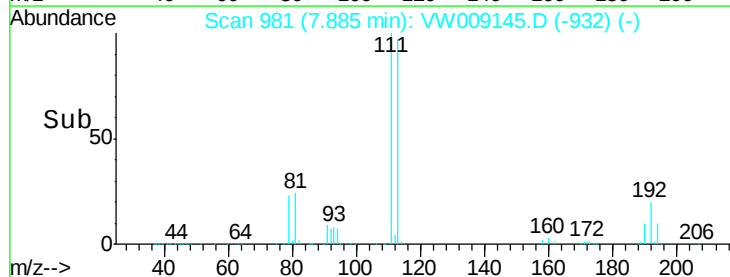
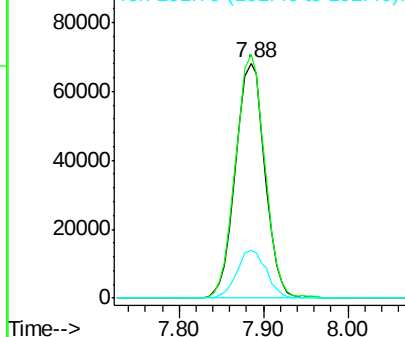


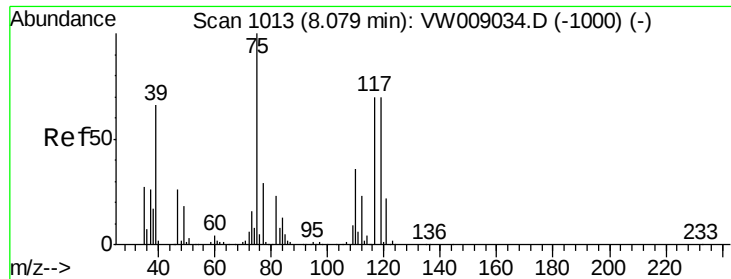
#35
Dibromofluoromethane
Concen: 50.427 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009145.D
Acq: 13 Mar 2019 09:23

Tgt Ion:113 Resp: 160320
Ion Ratio Lower Upper
113 100
111 103.0 81.0 121.4
192 20.5 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

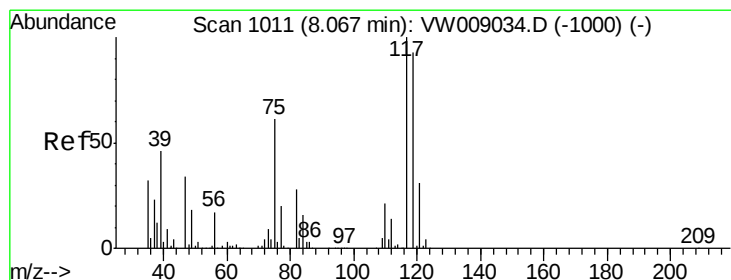
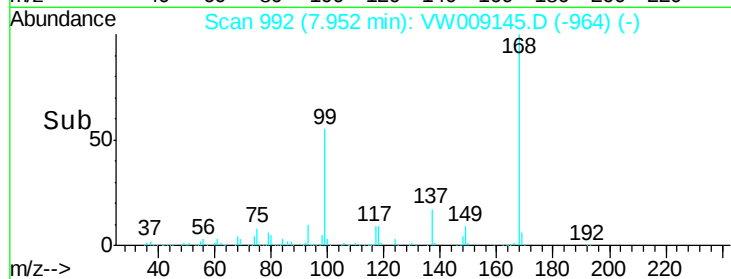
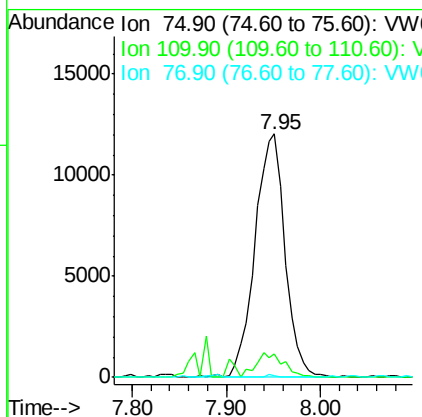
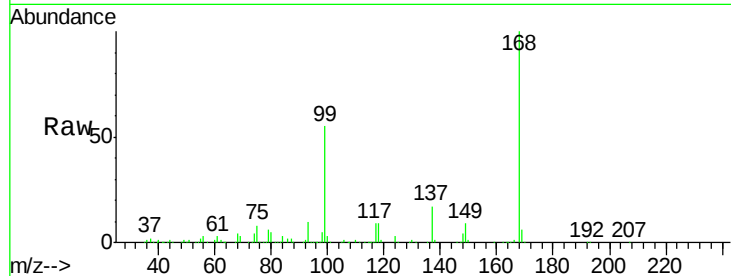




#36
 1,1-Dichloropropene
 Concen: 4.897 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW009145.D
 Acq: 13 Mar 2019 09:23

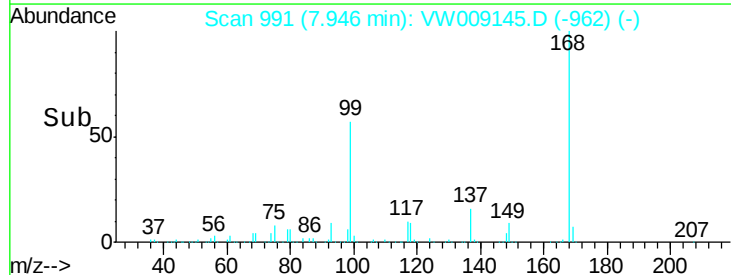
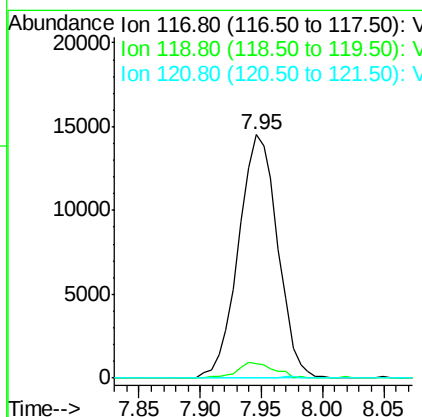
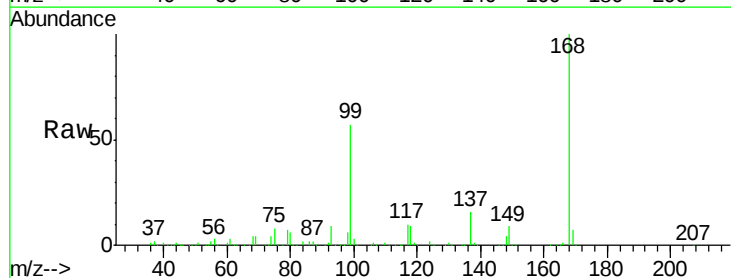
Instrument :
 MSVOA_W
 ClientSampleId :

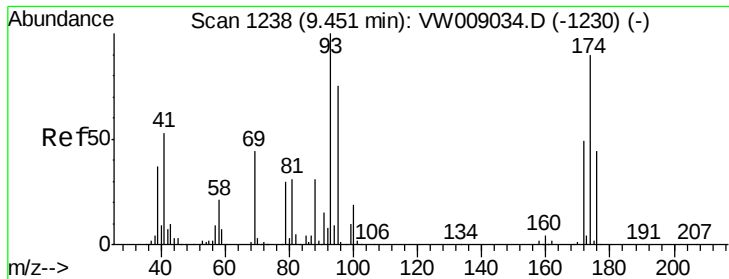
Tot Ion: 75 Resp: 27038
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.6 52.9#
 77 0.3 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.660 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW009145.D
 Acq: 13 Mar 2019 09:23

Tgt Ion: 117 Resp: 32272
 Ion Ratio Lower Upper
 117 100
 119 5.7 74.6 112.0#
 121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 1.836 ug/l

RT: 9.51 min Scan# 1247

Delta R.T. 0.06 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

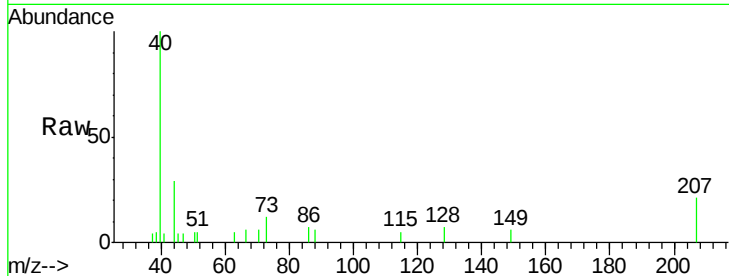
Tot Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 241.5 29.0 43.4#

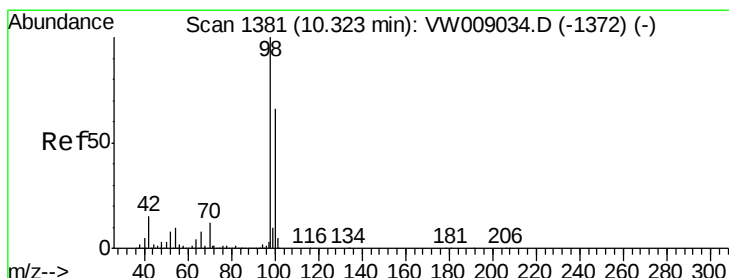
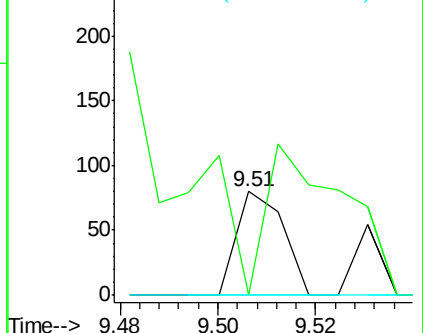
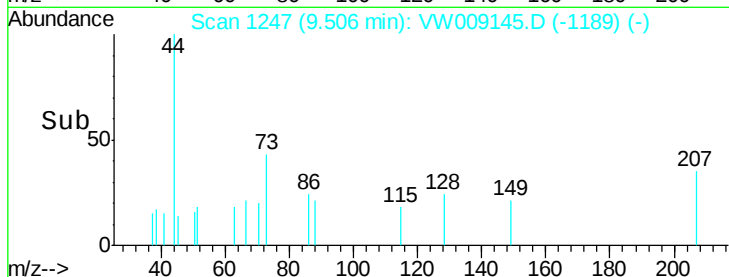
58 0.0 59.2 88.8#



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: 48.574 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009145.D

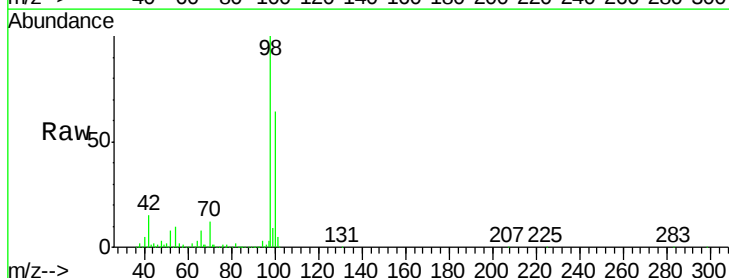
Acq: 13 Mar 2019 09:23

Tgt Ion: 98 Resp: 634271

Ion Ratio Lower Upper

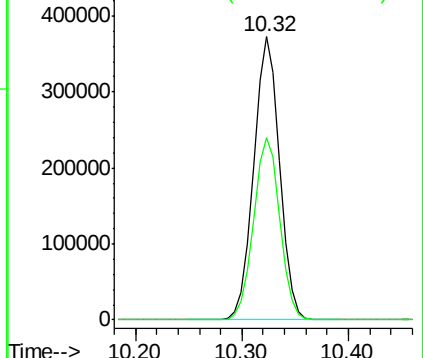
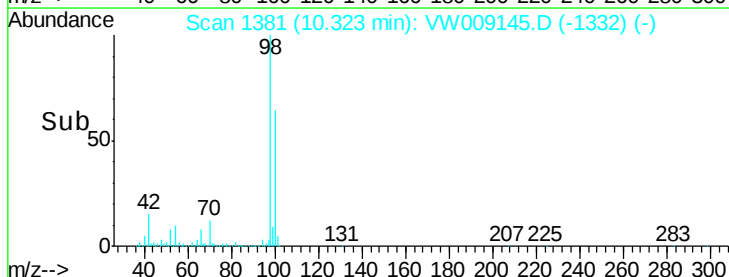
98 100

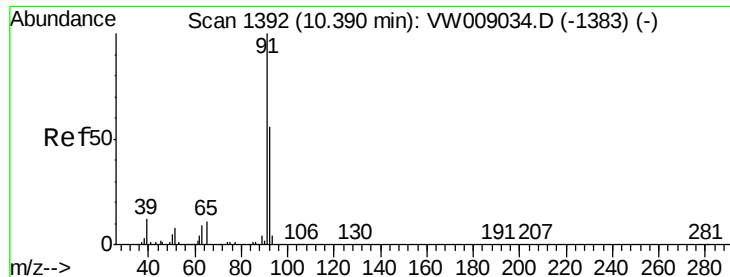
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 1.868 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

Instrument :

MSVOA_W

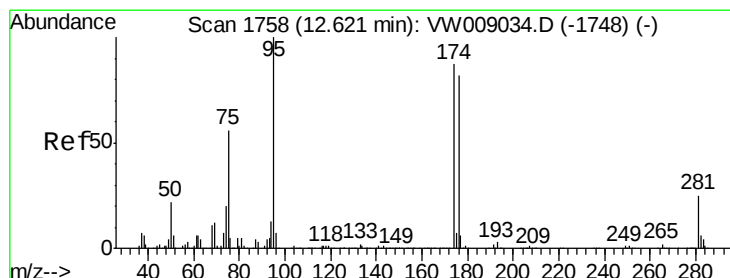
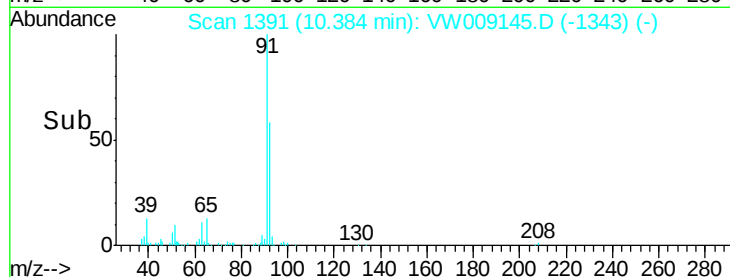
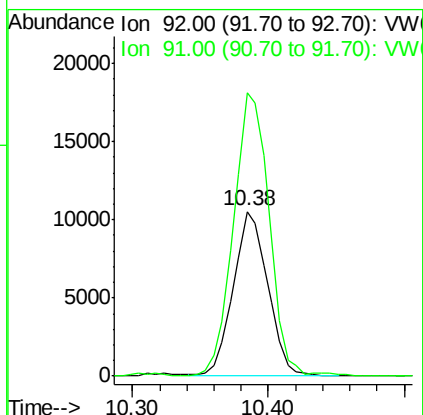
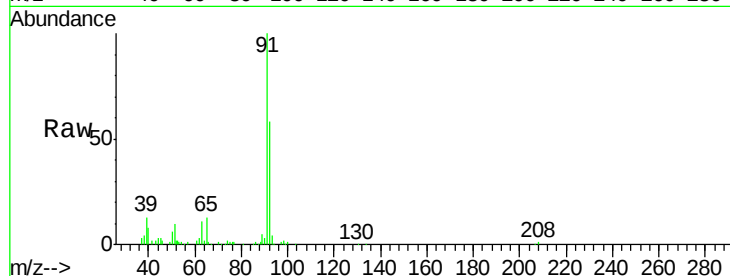
ClientSampled :

Tot Ion: 92 Resp: 18674

Ion Ratio Lower Upper

92 100

91 176.5 139.9 209.9



#62

4-Bromofluorobenzene

Concen: 42.257 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

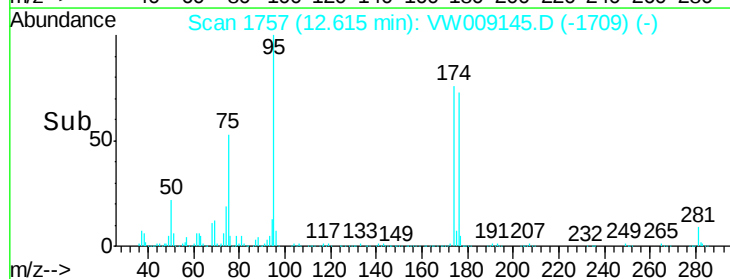
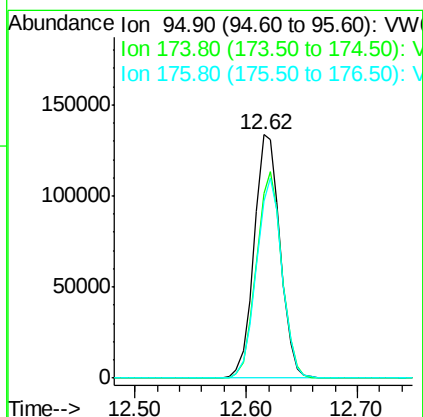
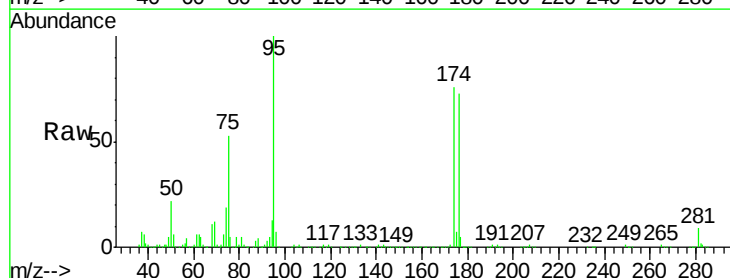
Tgt Ion: 95 Resp: 217215

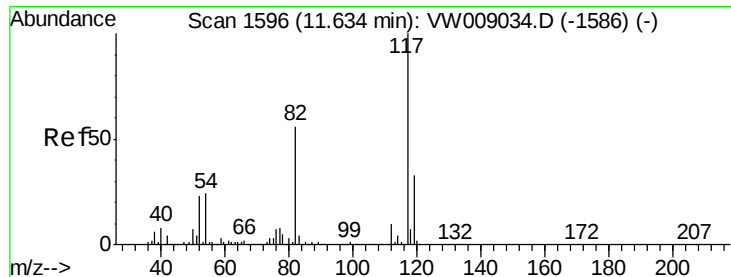
Ion Ratio Lower Upper

95 100

174 83.4 0.0 167.0

176 81.4 0.0 159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

Instrument :

MSVOA_W

ClientSampleId :

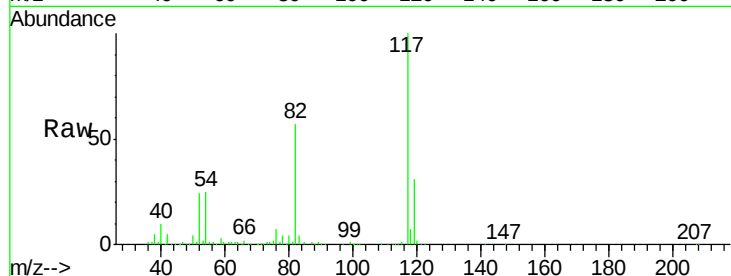
Tot Ion:117 Resp: 470766

Ion Ratio Lower Upper

117 100

82 57.4 45.0 67.6

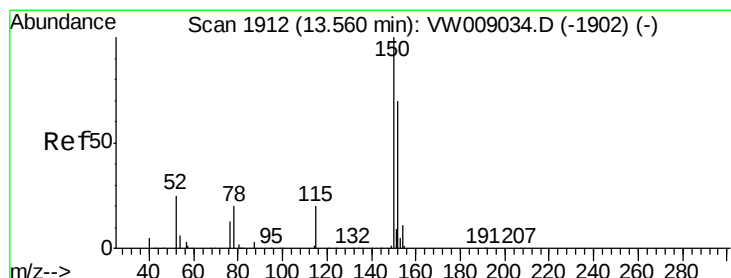
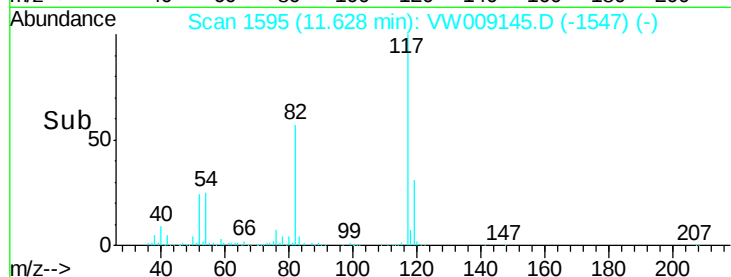
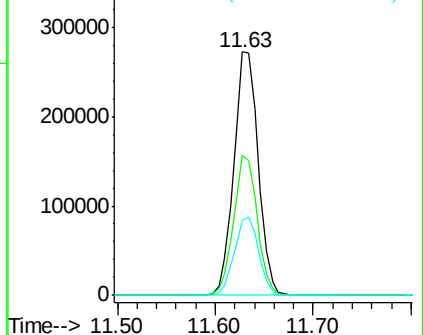
119 30.8 26.6 39.8



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: VW009145.D

Acq: 13 Mar 2019 09:23

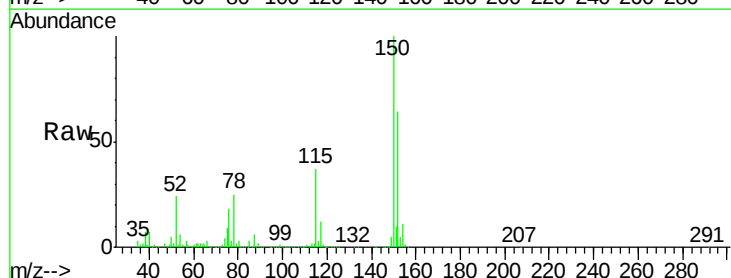
Tgt Ion:152 Resp: 221212

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

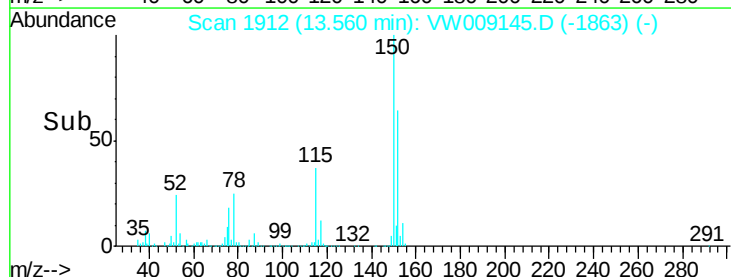
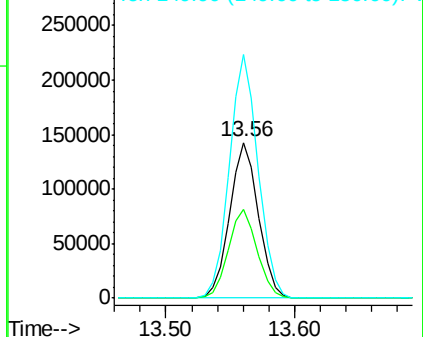
150 156.7 0.0 349.2

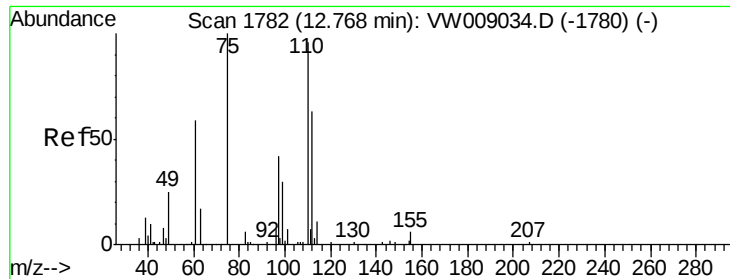


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 67.055 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

Instrument :

MSVOA_W

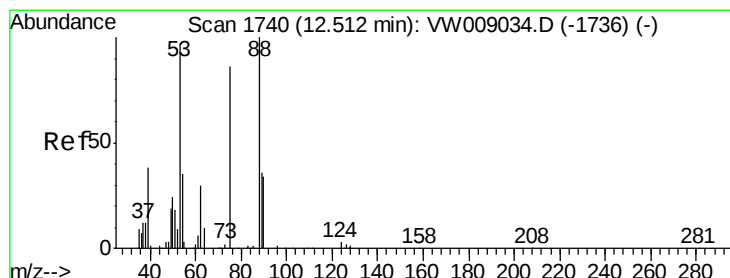
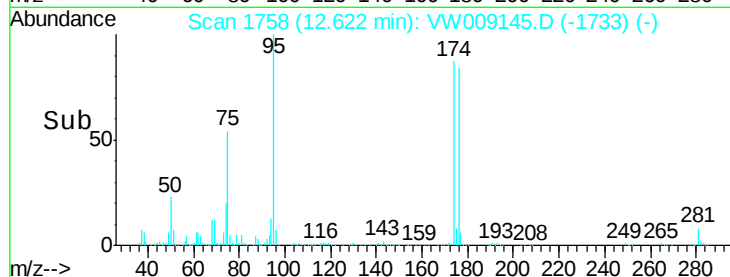
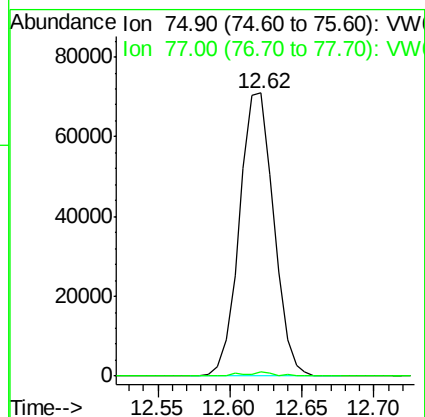
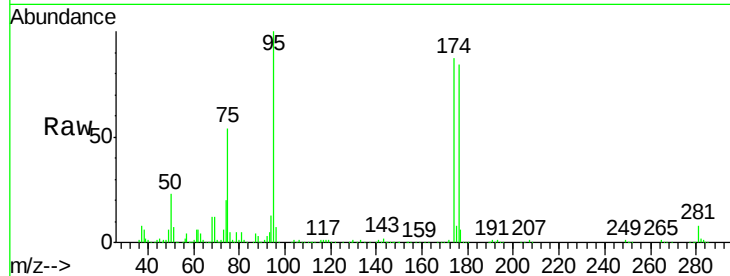
ClientSampleId :

Tot Ion: 75 Resp: 117196

Ion Ratio Lower Upper

75 100

77 1.4 186.7 560.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.985 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009145.D

Acq: 13 Mar 2019 09:23

Tgt Ion: 75 Resp: 117196

Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.2 37.5 56.3#

