

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012082.D
 Acq On : 21 Aug 2019 20:44
 Operator : SY/VA
 Sample : K4403-03
 Misc : 5.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H2-(0)

Quant Time: Aug 22 05:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	240856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126078	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	152082	54.99	ug/l	0.00
Spiked Amount			Recovery	=	109.98%	
35) Dibromofluoromethane	7.88	113	121436	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
50) Toluene-d8	10.32	98	491051	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.62	95	150791	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

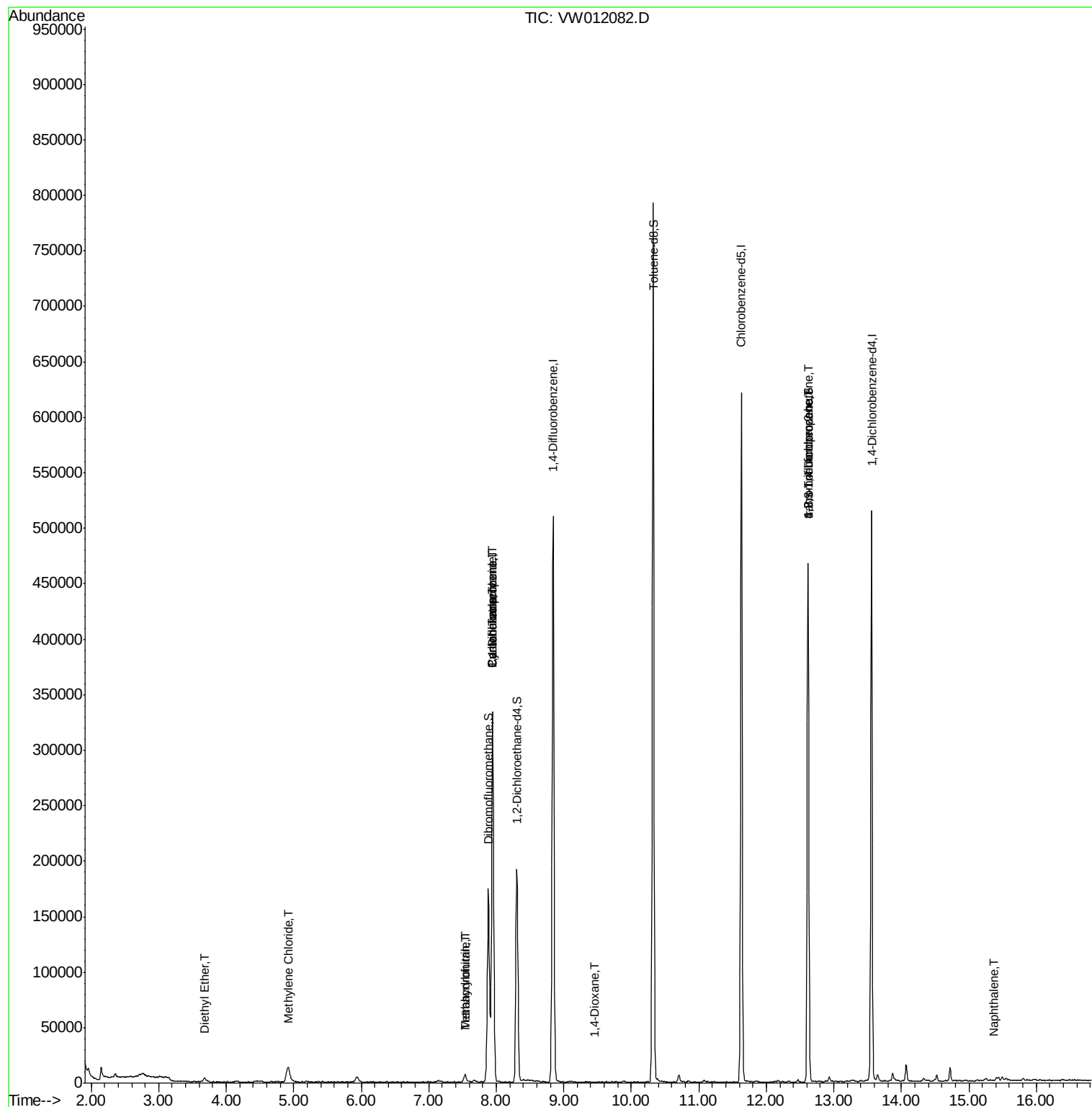
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1776	1.251	ug/l	72
11) Tert butyl alcohol	5.17	59	111	Below Cal	#	80
20) Methylene Chloride	4.92	84	10550	3.477	ug/l	93
29) Tetrahydrofuran	7.54	42	5741	8.724	ug/l	98
31) Cyclohexane	7.95	56	6064	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20342	4.882	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23723	6.651	ug/l #	17
41) Methacrylonitrile	7.53	41	3607	2.517	ug/l #	56
49) 1,4-Dioxane	9.46	88	22	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	80245	60.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80245	138.628	ug/l #	6
95) Naphthalene	15.36	128	428	2.148	ug/l #	69

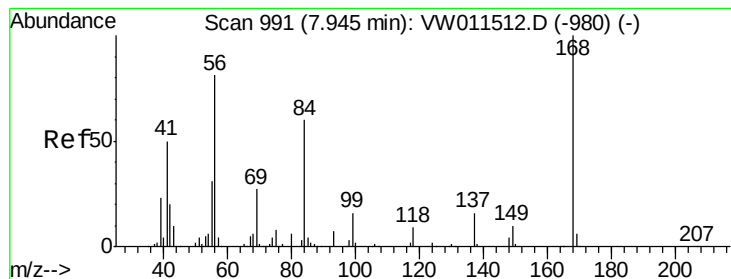
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampleId :

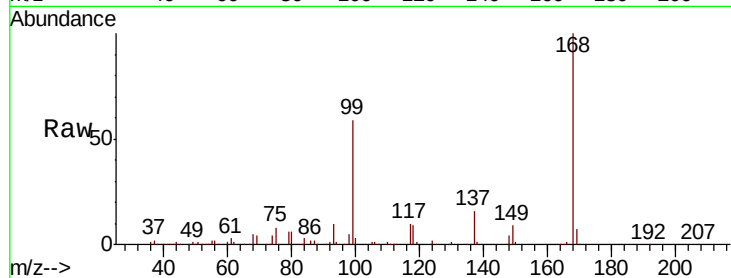
T1-H2-(0)

Tgt Ion:168 Resp: 240856

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

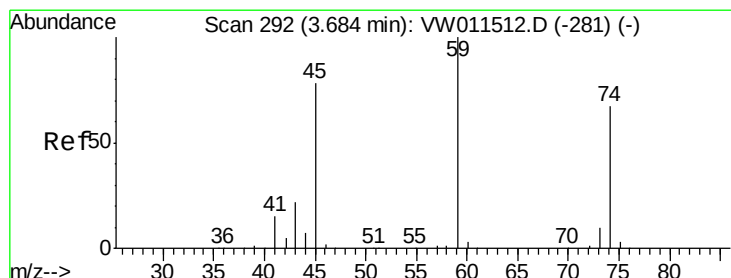
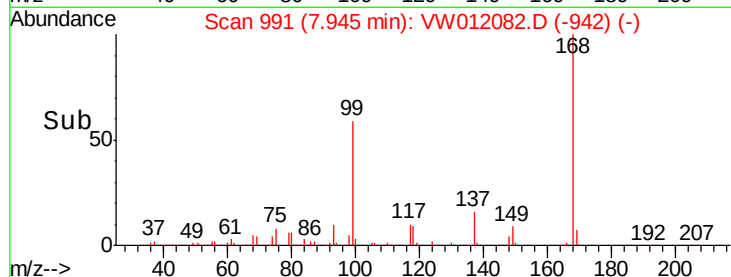
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.251 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW012082.D

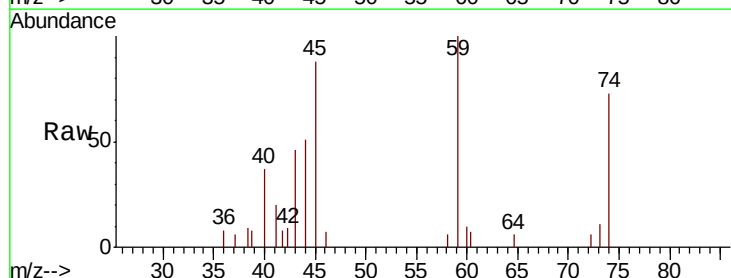
Acq: 21 Aug 2019 20:44

Tgt Ion: 74 Resp: 1776

Ion Ratio Lower Upper

74 100

45 149.7 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

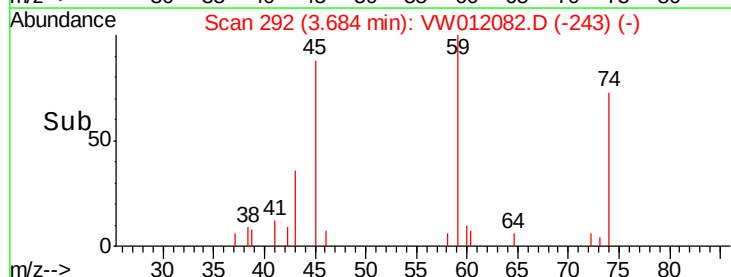
600

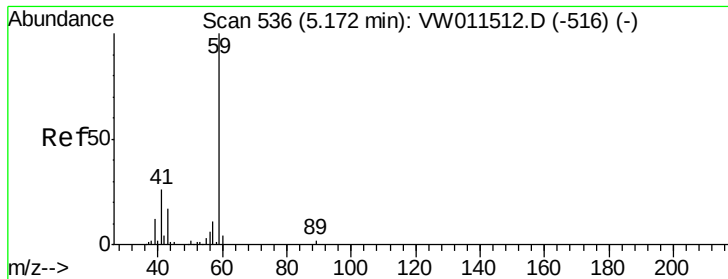
400

200

0

Time-->



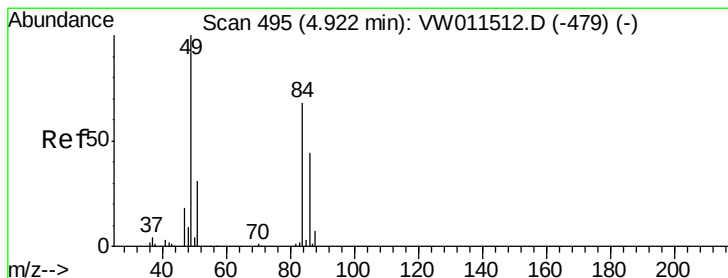
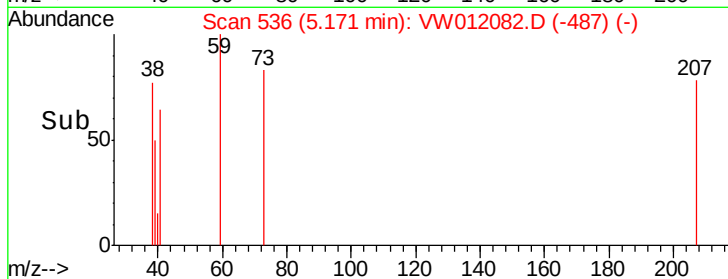
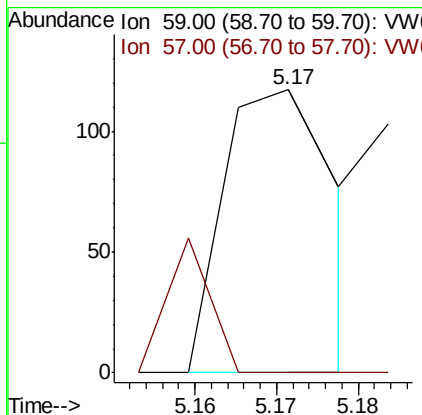
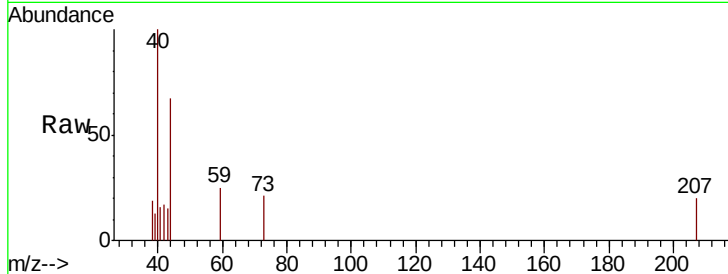


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012082.D
 Acq: 21 Aug 2019 20:44

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H2-(0)

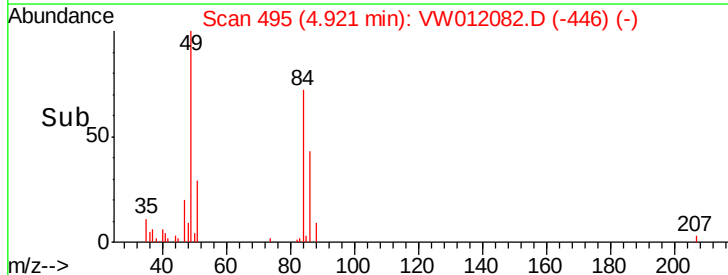
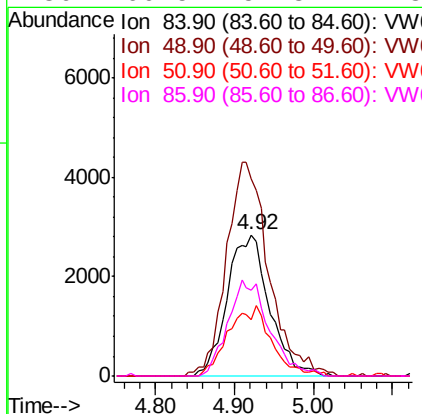
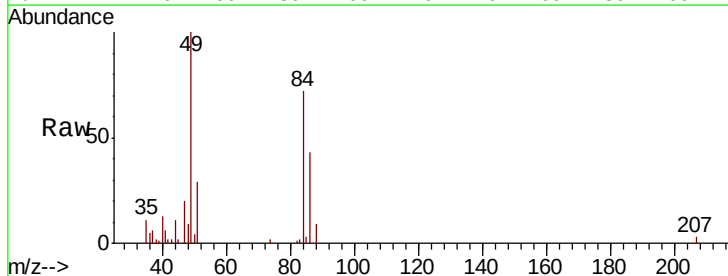
Tgt Ion: 59 Resp: 111
 Ion Ratio Lower Upper
 59 100
 57 18.0 8.5 12.7#

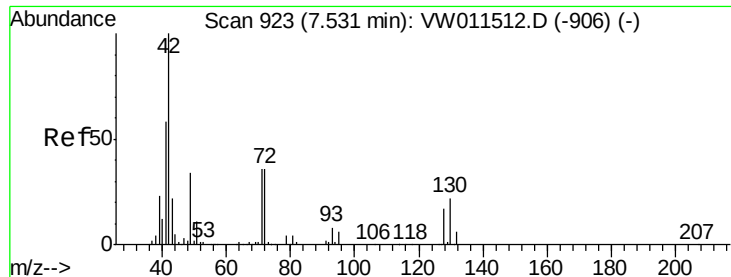


#20

Methylene Chloride
 Concen: 3.477 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VW012082.D
 Acq: 21 Aug 2019 20:44

Tgt Ion: 84 Resp: 10550
 Ion Ratio Lower Upper
 84 100
 49 139.2 117.8 176.6
 51 39.9 37.0 55.4
 86 60.5 51.8 77.8

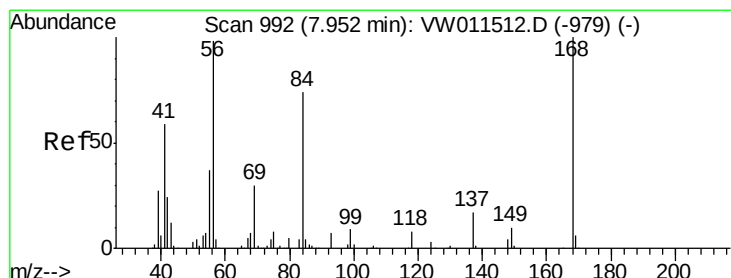
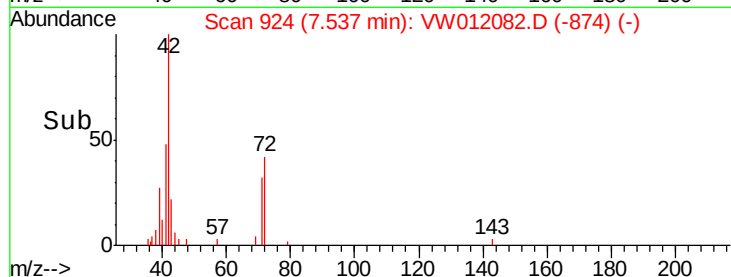
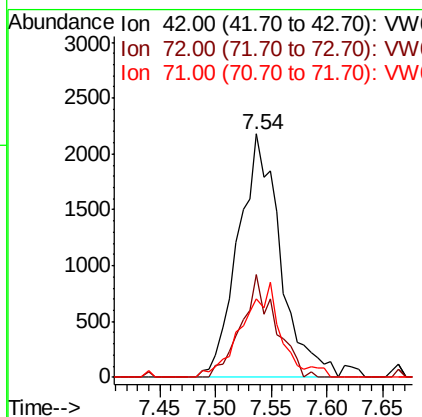
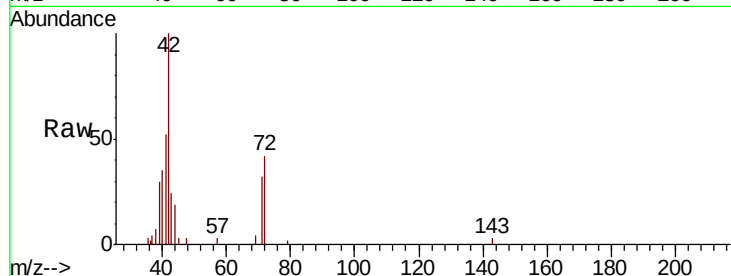




#29
Tetrahydrofuran
Concen: 8.724 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012082.D
Acq: 21 Aug 2019 20:44

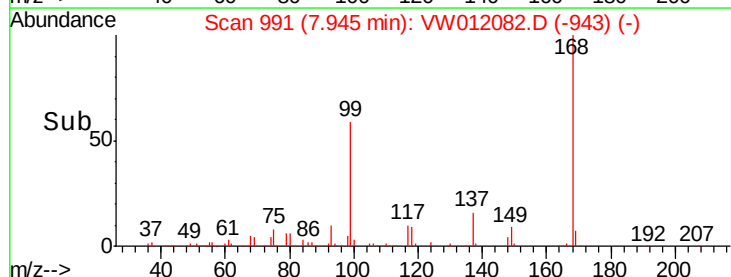
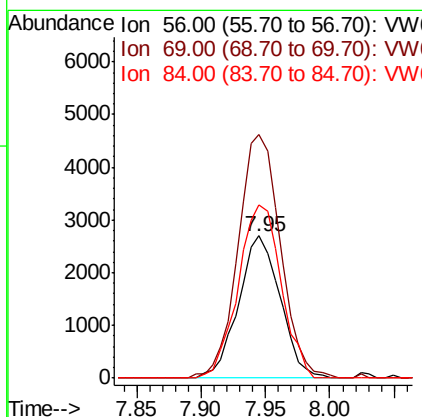
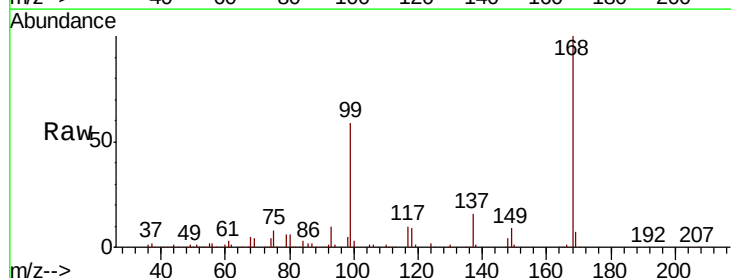
Instrument :
MSVOA_W
ClientSampled :
T1-H2-(0)

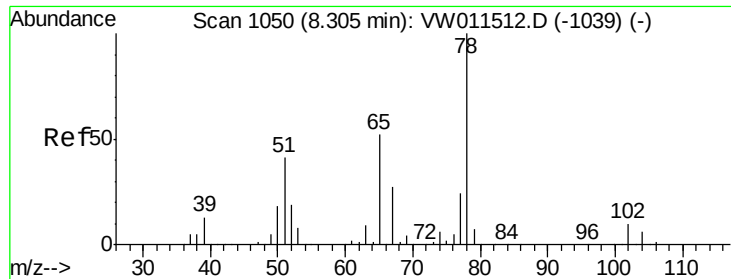
Tgt Ion: 42 Resp: 5741
Ion Ratio Lower Upper
42 100
72 34.2 27.1 40.7
71 34.3 26.2 39.4



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012082.D
Acq: 21 Aug 2019 20:44

Tgt Ion: 56 Resp: 6064
Ion Ratio Lower Upper
56 100
69 171.2 24.3 36.5#
84 122.1 60.4 90.6#

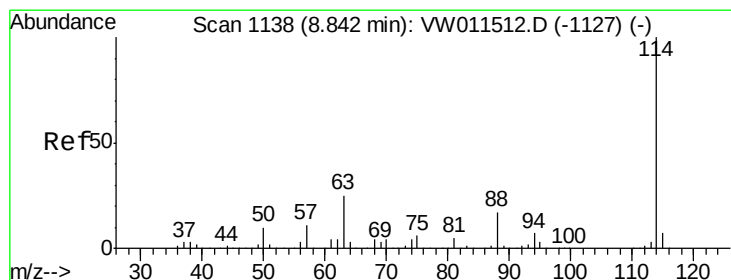
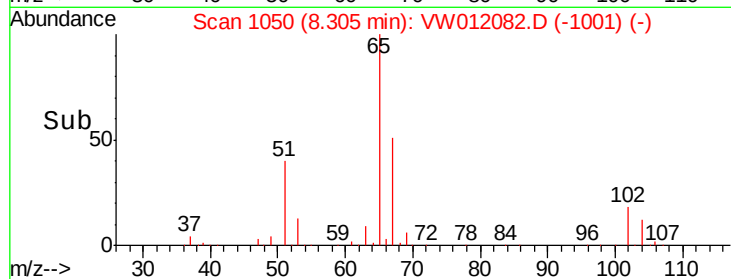
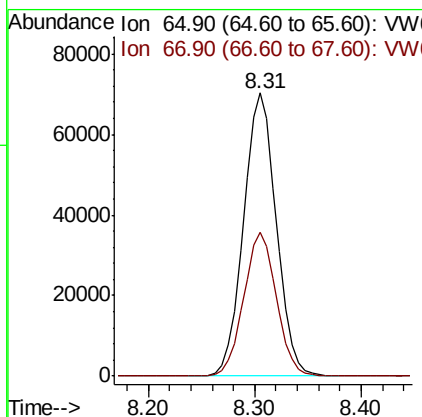
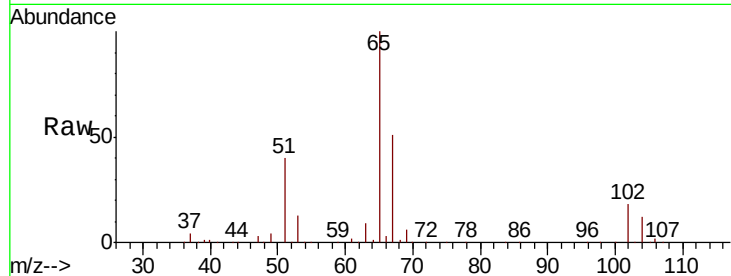




#33
 1,2-Dichloroethane-d4
 Concen: 54.989 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012082.D
 Acq: 21 Aug 2019 20:44

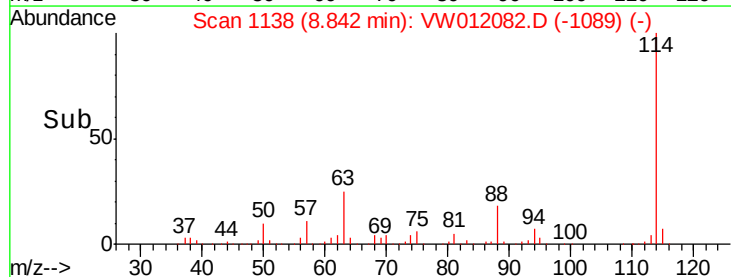
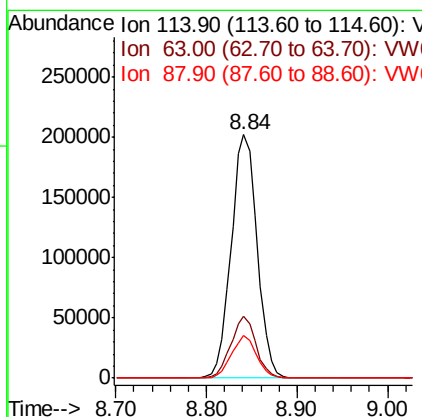
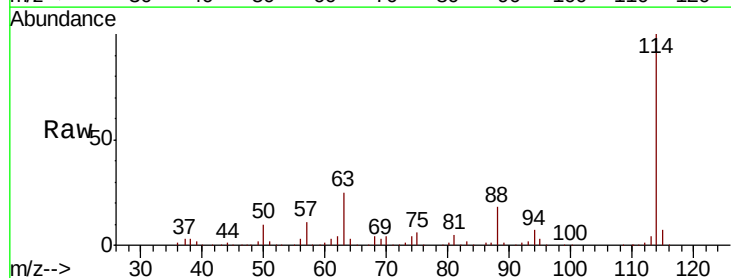
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H2-(0)

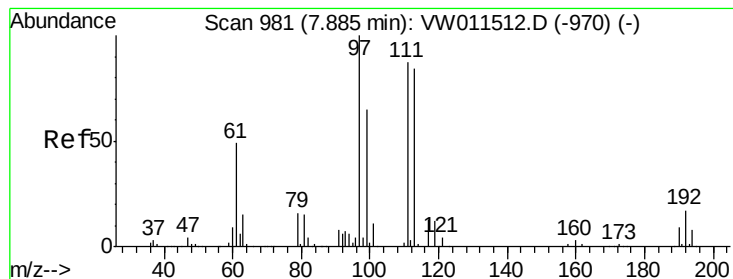
Tgt Ion: 65 Resp: 152082
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012082.D
 Acq: 21 Aug 2019 20:44

Tgt Ion: 114 Resp: 400707
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 17.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.019 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(0)

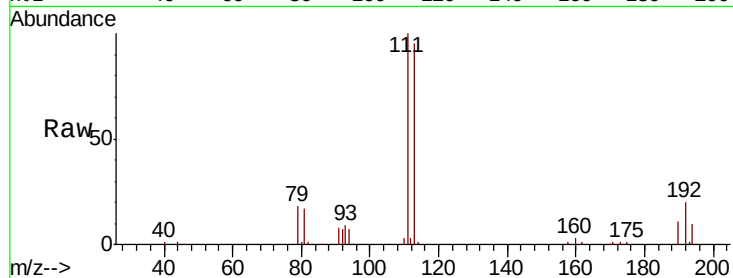
Tgt Ion:113 Resp: 121436

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

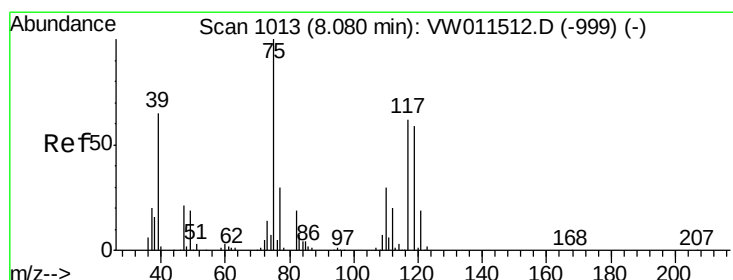
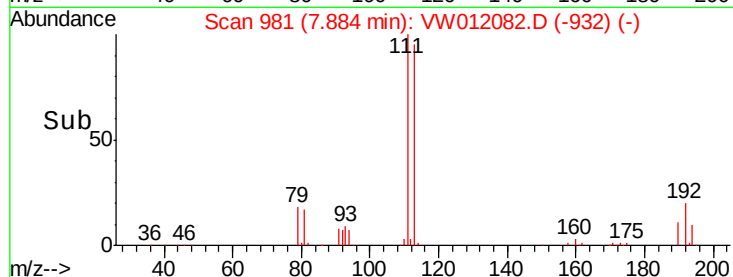
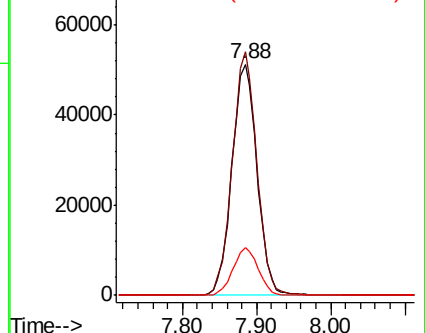
192 20.6 16.1 24.1



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: 4.882 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

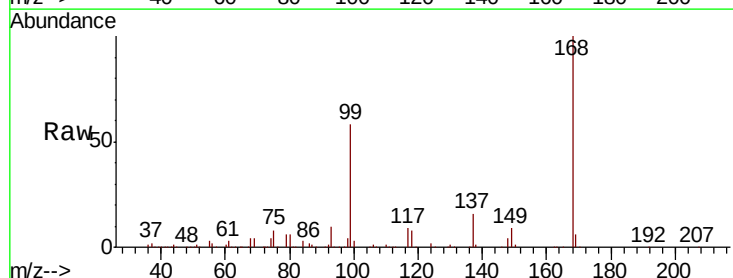
Tgt Ion: 75 Resp: 20342

Ion Ratio Lower Upper

75 100

110 8.2 15.6 46.8#

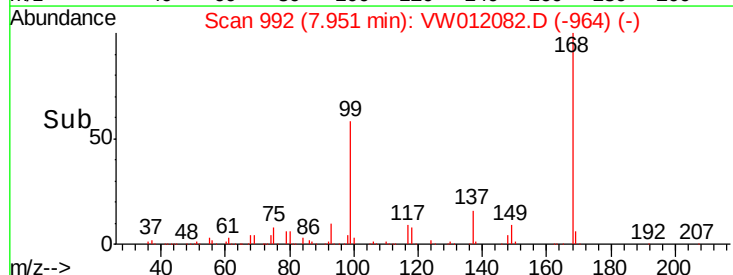
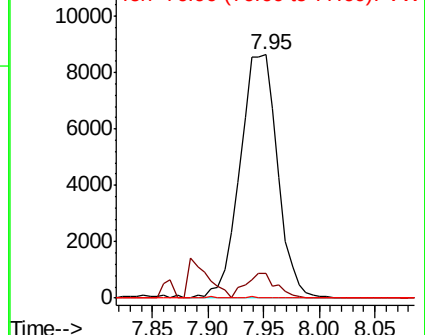
77 0.1 24.3 36.5#

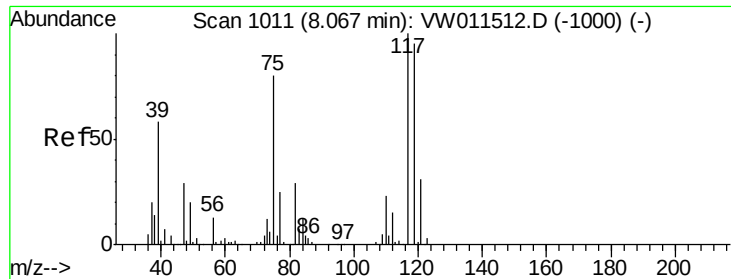


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.651 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampled :

T1-H2-(0)

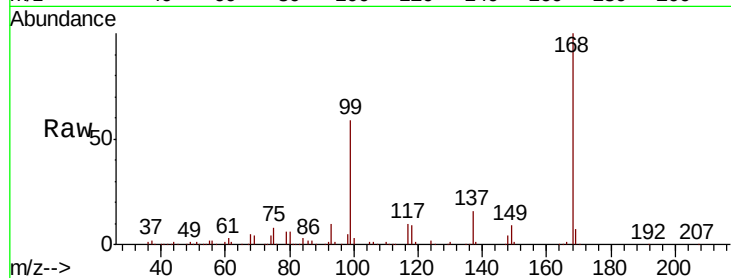
Tgt Ion:117 Resp: 23723

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

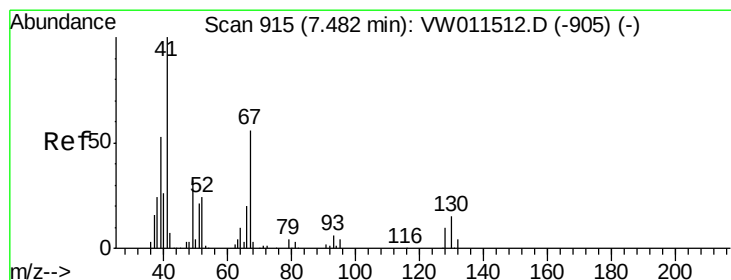
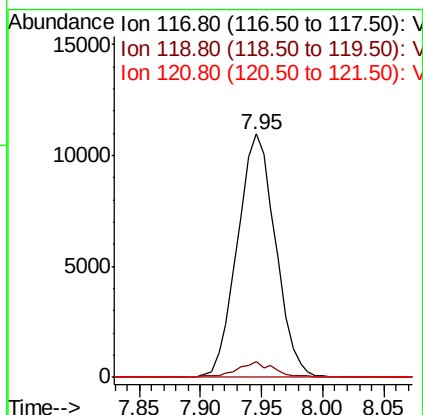
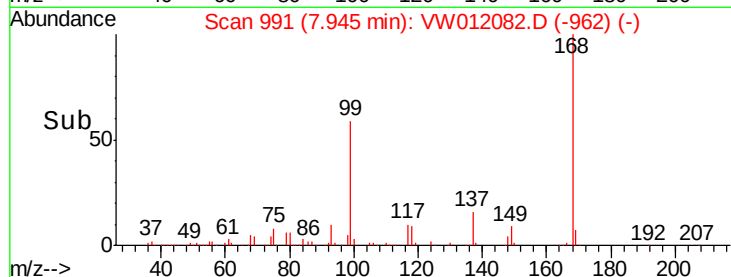
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 2.517 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Tgt Ion: 41 Resp: 3607

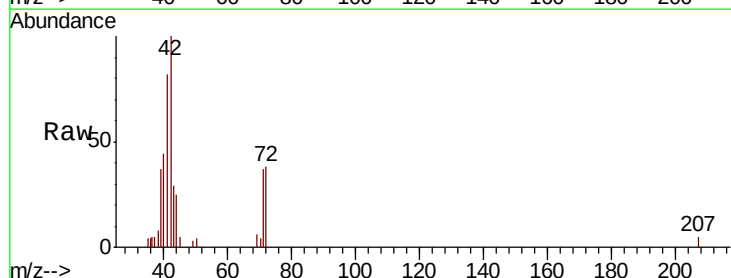
Ion Ratio Lower Upper

41 100

39 51.5 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

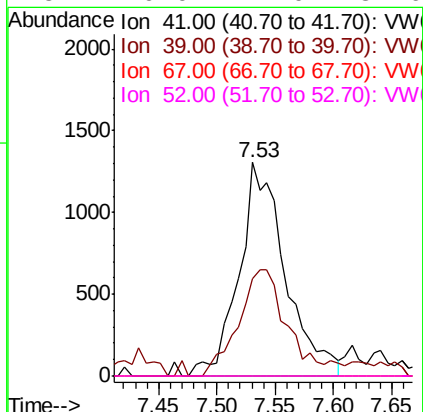
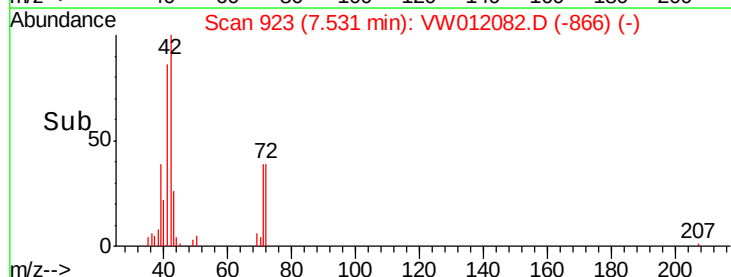


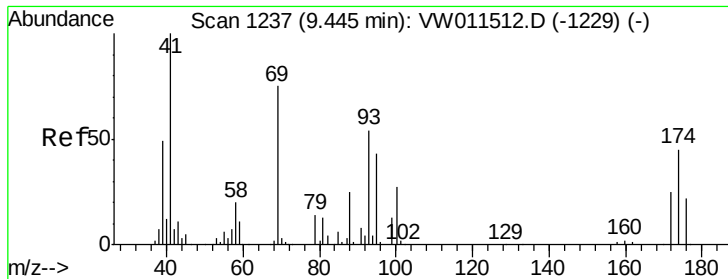
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.066 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampled :

T1-H2-(0)

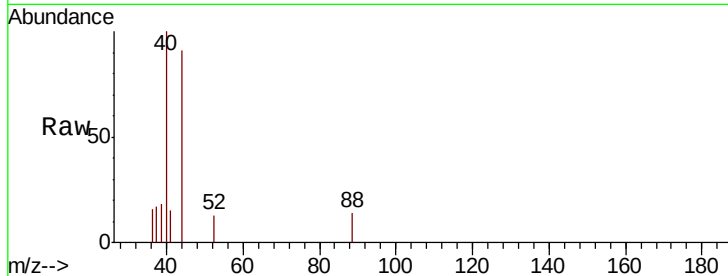
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 290.9 34.0 51.0#

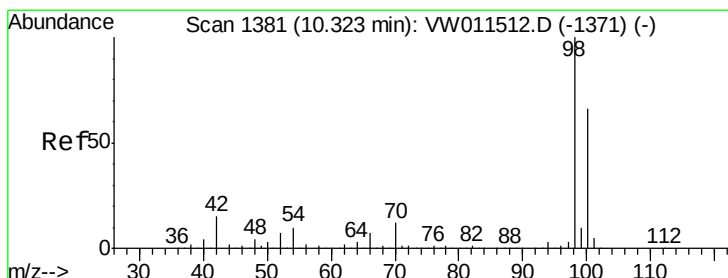
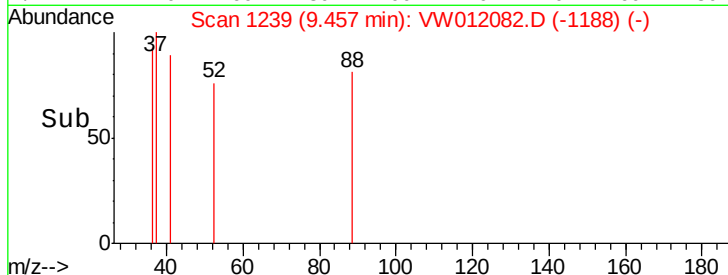
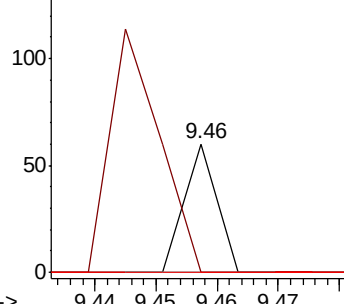
58 0.0 69.7 104.5#



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: 53.351 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012082.D

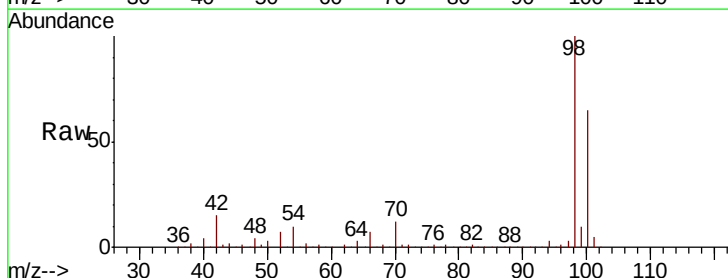
Acq: 21 Aug 2019 20:44

Tgt Ion: 98 Resp: 491051

Ion Ratio Lower Upper

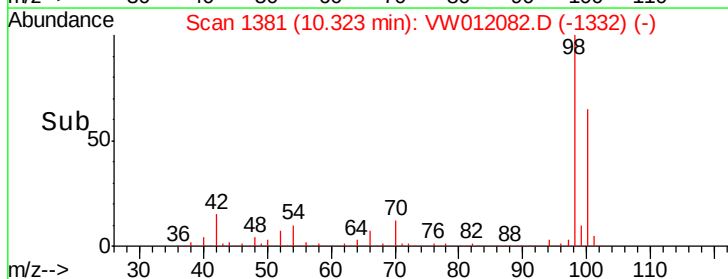
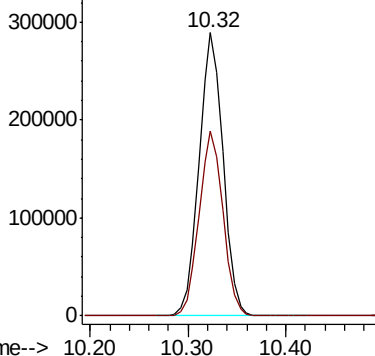
98 100

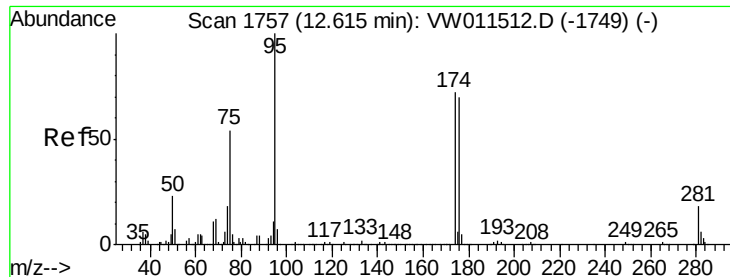
100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.952 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(0)

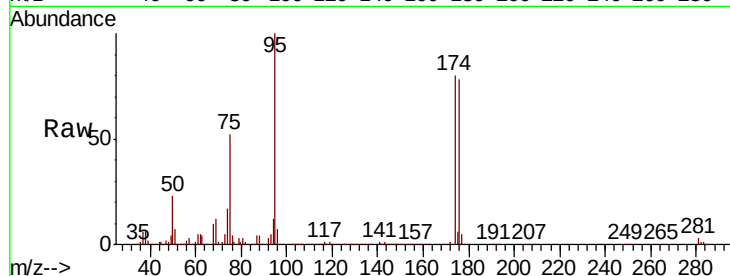
Tgt Ion: 95 Resp: 150791

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.2

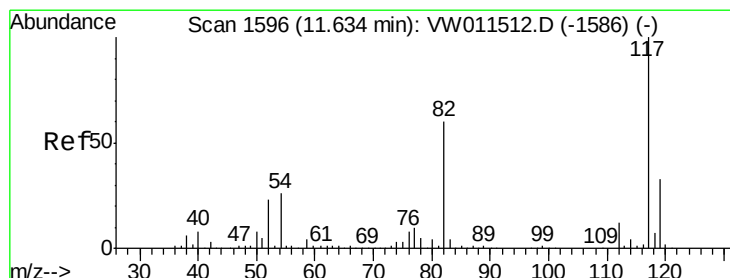
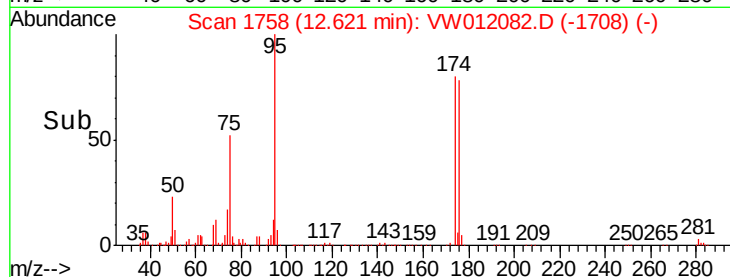
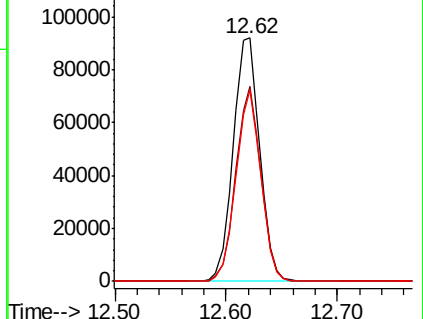
176 73.9 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

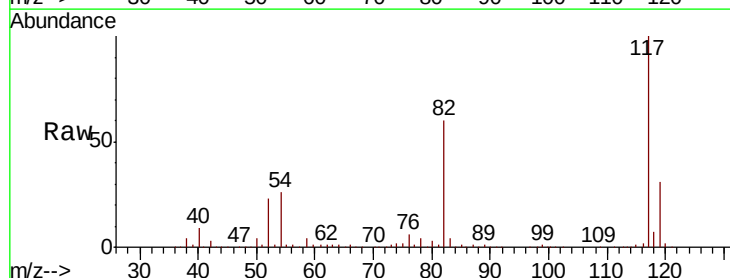
Tgt Ion: 117 Resp: 327193

Ion Ratio Lower Upper

117 100

82 59.9 47.9 71.9

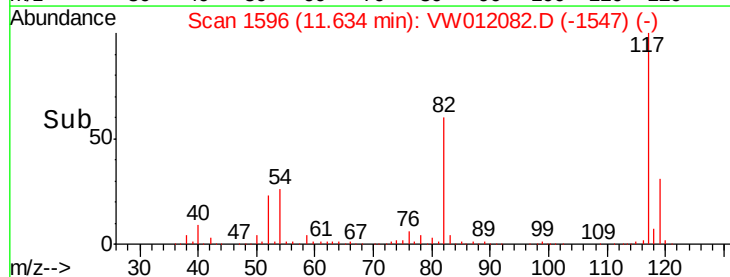
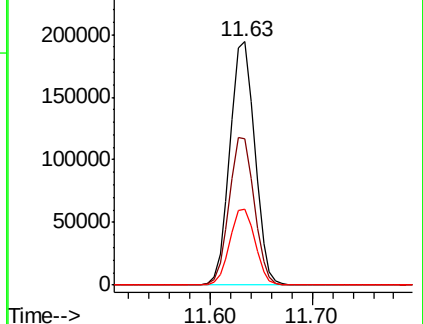
119 31.3 26.2 39.2

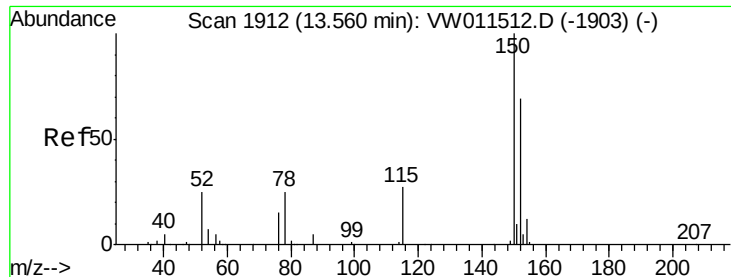


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012082.D

Acq: 21 Aug 2019 20:44

Instrument :

MSVOA_W

ClientSampleId :

T1-H2-(0)

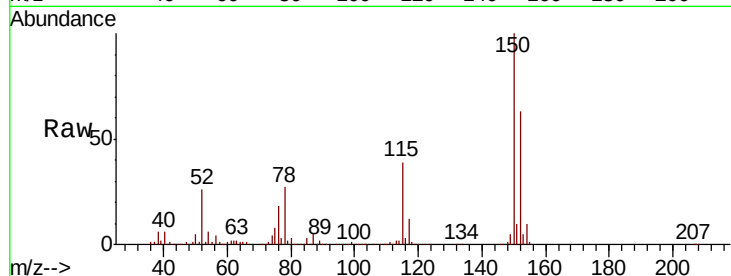
Tgt Ion:152 Resp: 126078

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

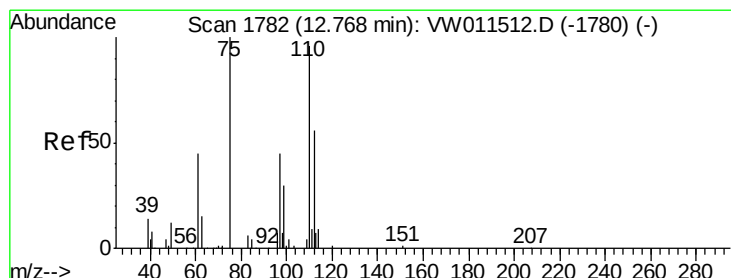
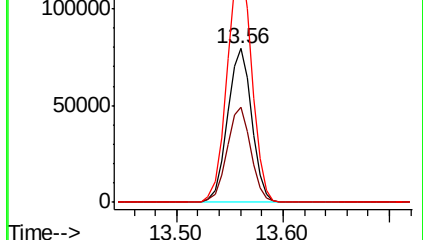
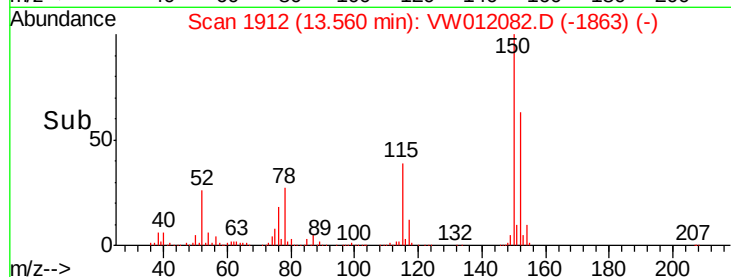
150 157.6 0.0 352.6



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: 60.151 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012082.D

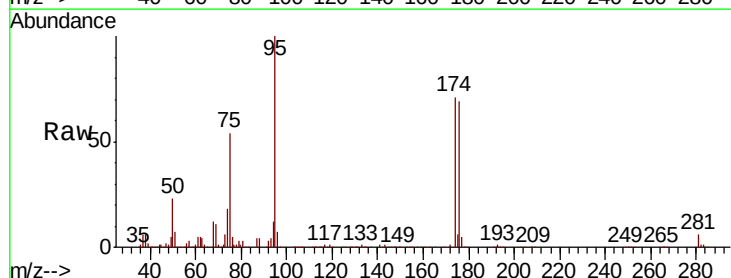
Acq: 21 Aug 2019 20:44

Tgt Ion: 75 Resp: 80245

Ion Ratio Lower Upper

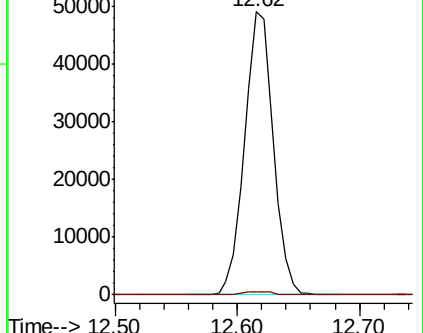
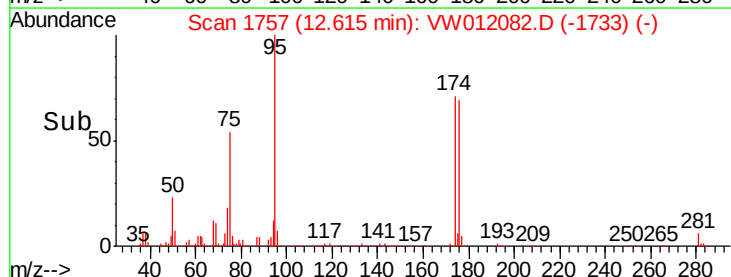
75 100

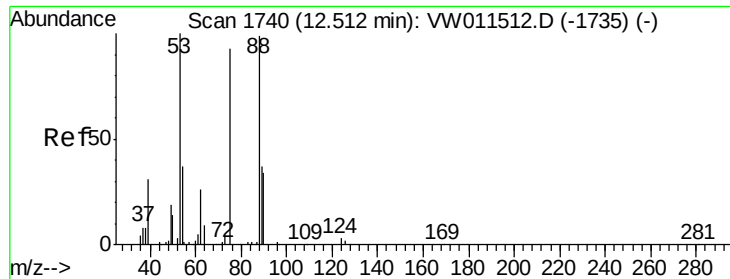
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

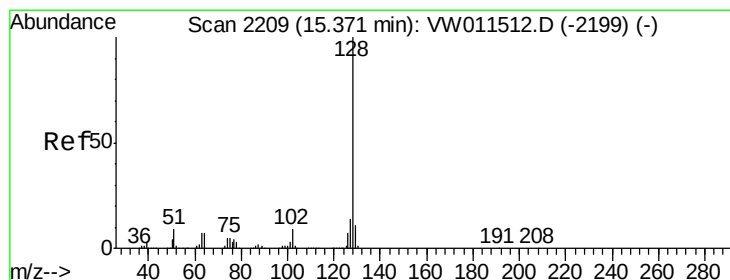
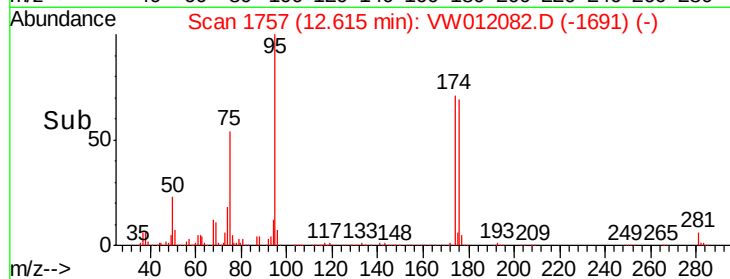
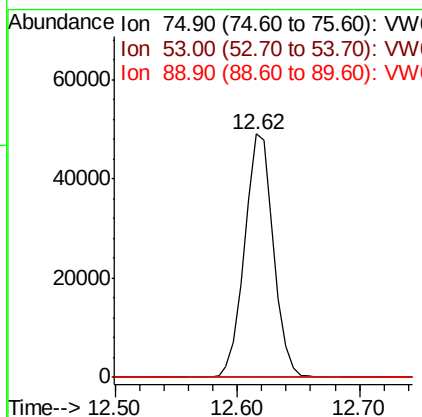
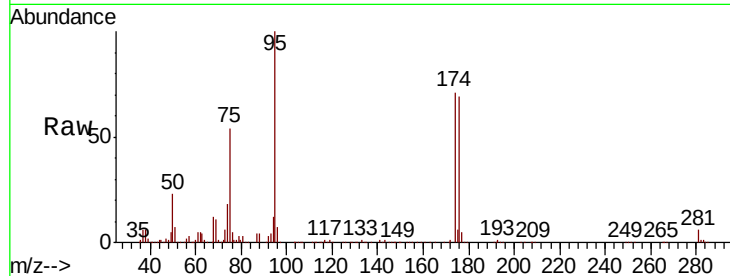




#81
trans-1,4-Dichloro-2-butene
Concen: 138.628 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012082.D
Acq: 21 Aug 2019 20:44

Instrument :
MSVOA_W
ClientSampleId :
T1-H2-(0)

Tgt Ion: 75 Resp: 80245
Ion Ratio Lower Upper
75 100
53 0.1 88.0 132.0#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.148 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012082.D
Acq: 21 Aug 2019 20:44

Tgt Ion: 128 Resp: 428
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

