

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012896.D
 Acq On : 11 Sep 2019 04:03
 Operator : SY/VA
 Sample : K4680-02
 Misc : 5.12G/5ML/MSVOA_W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(0)

Quant Time: Sep 11 08:24:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	239749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362745	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83704	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	129701	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
35) Dibromofluoromethane	7.88	113	105692	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.32	98	428919	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	111963	36.50	ug/l	0.00
Spiked Amount			Recovery	=	73.00%	

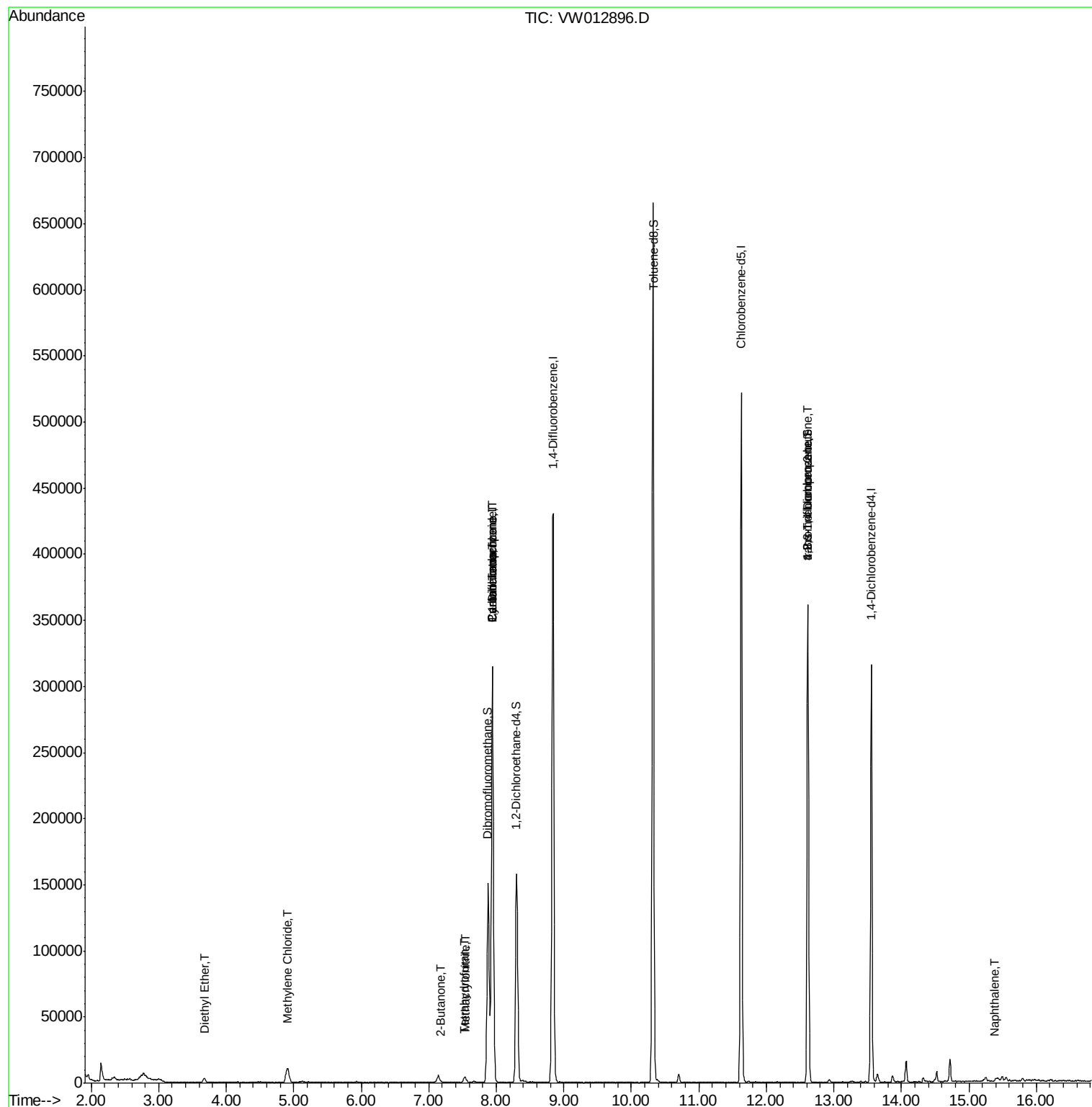
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1914	1.704	ug/l	97
20) Methylene Chloride	4.90	84	8549	3.742	ug/l	91
25) 2-Butanone	7.18	43	54	19.727	ug/l #	53
29) Tetrahydrofuran	7.52	42	3776	6.403	ug/l #	80
31) Cyclohexane	7.95	56	4890	1.242	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	17937	5.565	ug/l #	53
38) Carbon Tetrachloride	7.94	117	22574	7.105	ug/l #	17
41) Methacrylonitrile	7.54	41	2519	5.504	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	57624	67.325	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57624	142.397	ug/l #	6
95) Naphthalene	15.38	128	229	4.498	ug/l #	69

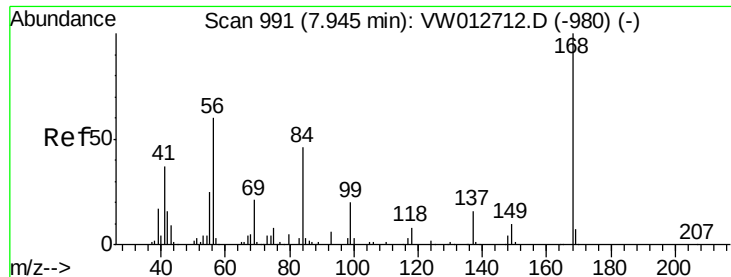
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
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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: VW012896.D

Acq: 11 Sep 2019 04:03

Instrument :

MSVOA_W

ClientSampled :

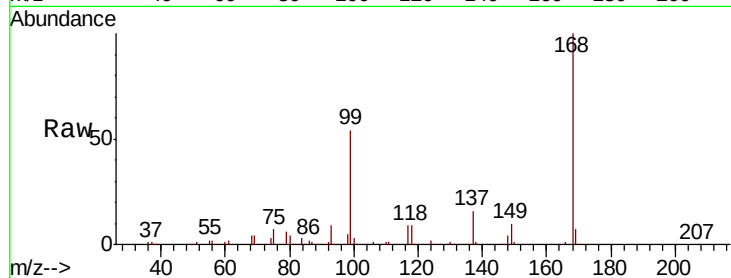
T1-1-(0)

Tgt Ion:168 Resp: 239749

Ion Ratio Lower Upper

168 100

99 54.3 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

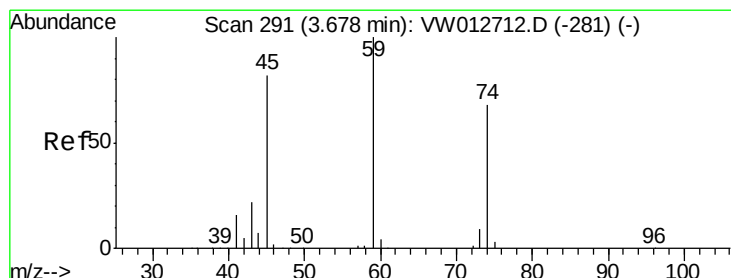
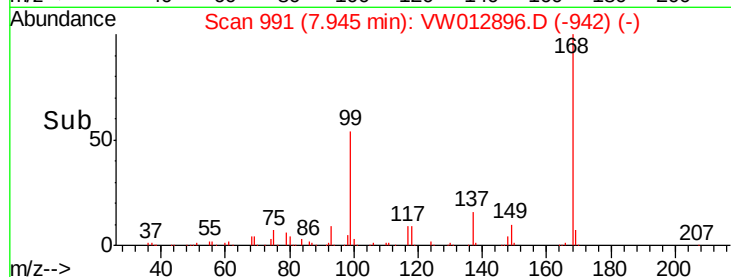
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.704 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012896.D

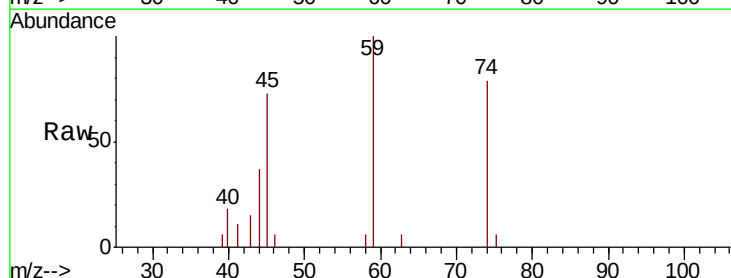
Acq: 11 Sep 2019 04:03

Tgt Ion: 74 Resp: 1914

Ion Ratio Lower Upper

74 100

45 114.2 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

800

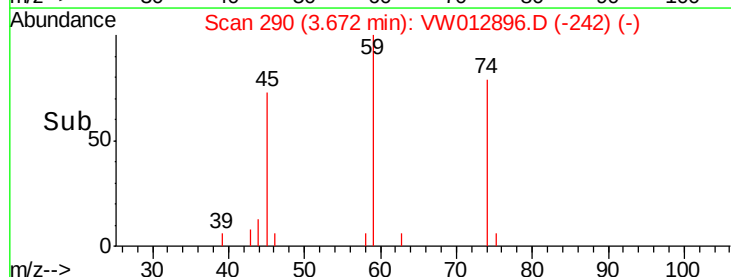
600

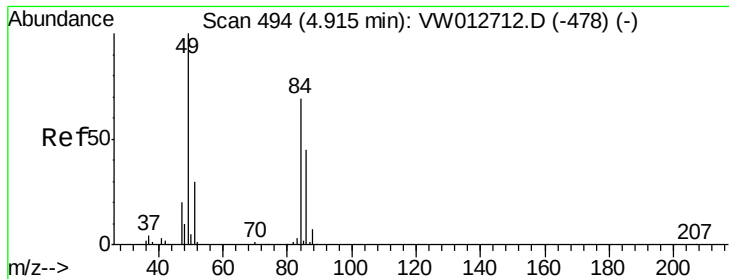
400

200

0

Time-->

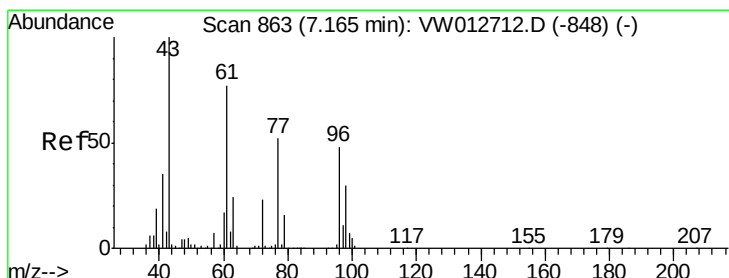
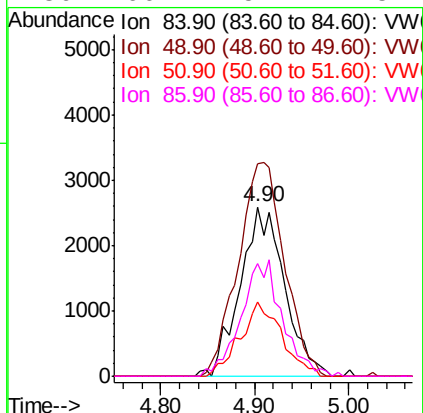
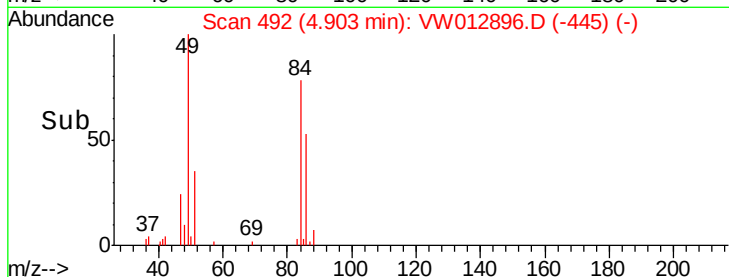
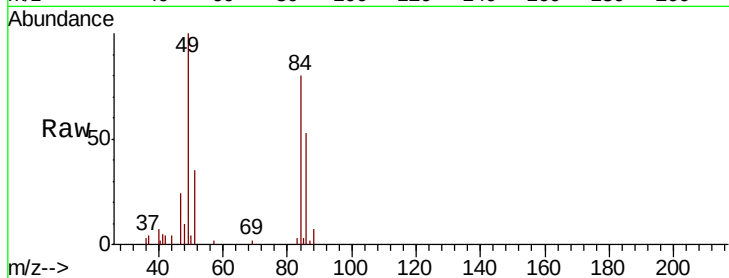




#20
Methylene Chloride
Concen: 3.742 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

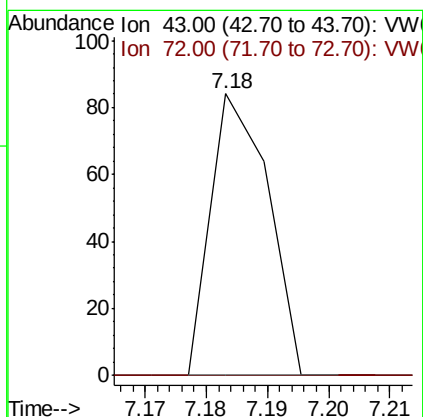
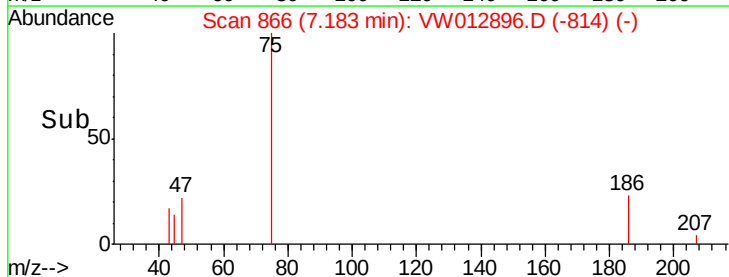
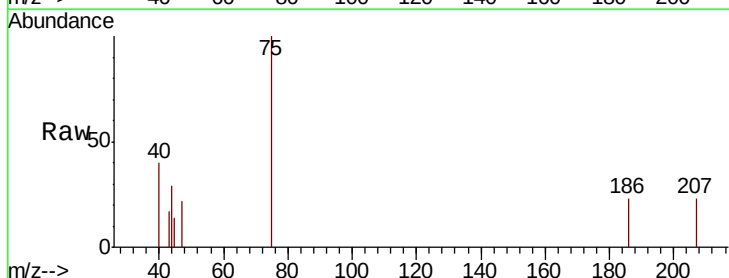
Instrument :
MSVOA_W
ClientSampleId :
T1-1-(0)

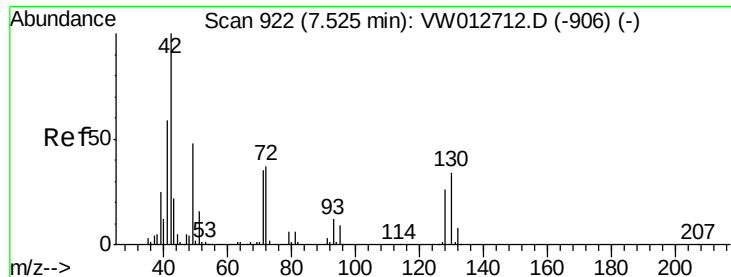
Tgt Ion: 84 Resp: 8549
Ion Ratio Lower Upper
84 100
49 125.6 115.4 173.0
51 43.9 34.9 52.3
86 66.1 52.2 78.4



#25
2-Butanone
Concen: 19.727 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 18.0 27.0#

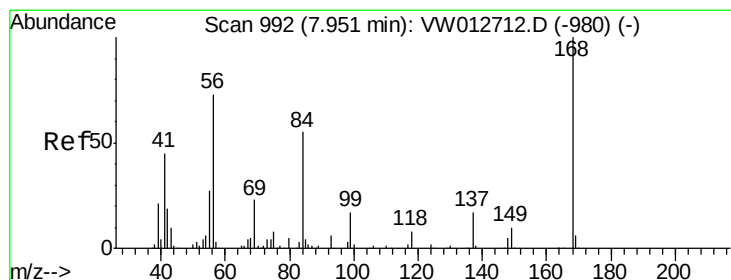
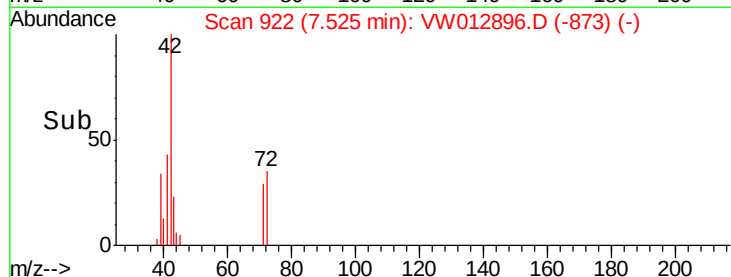
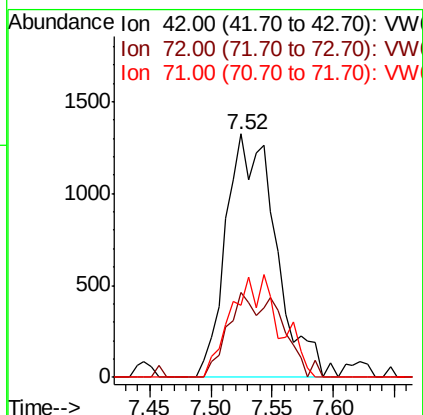
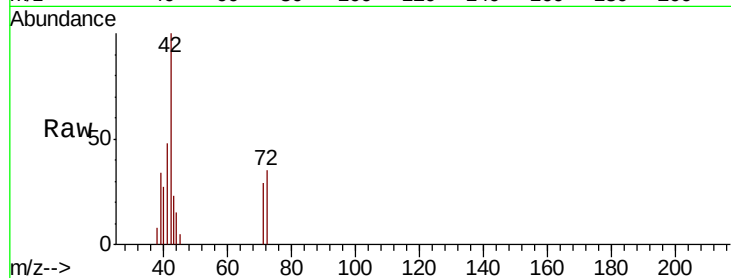




#29
Tetrahydrofuran
Concen: 6.403 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

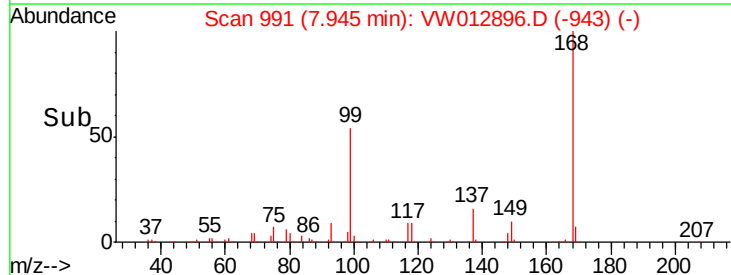
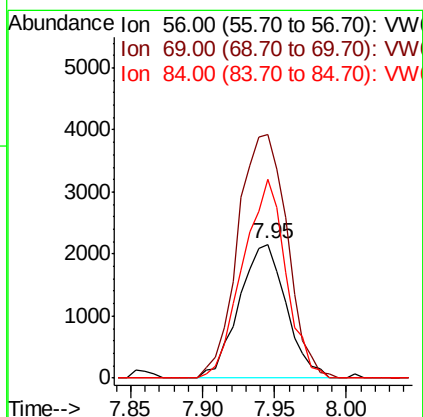
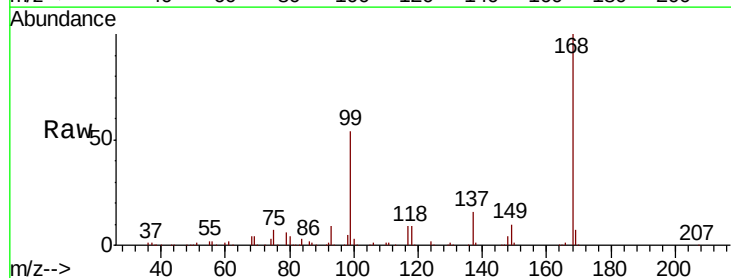
Instrument :
MSVOA_W
ClientSampleId :
T1-1-(0)

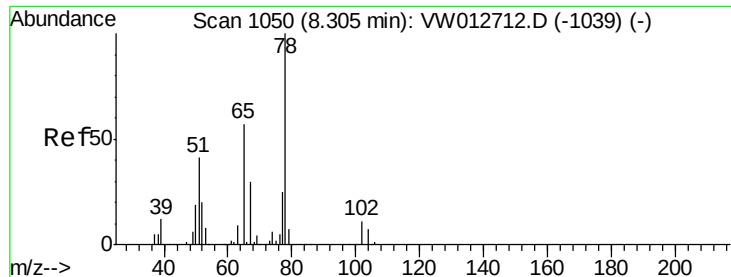
Tgt Ion: 42 Resp: 3776
Ion Ratio Lower Upper
42 100
72 19.4 28.4 42.6#
71 40.7 27.1 40.7#



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

Tgt Ion: 56 Resp: 4890
Ion Ratio Lower Upper
56 100
69 182.1 25.7 38.5#
84 148.9 60.4 90.6#

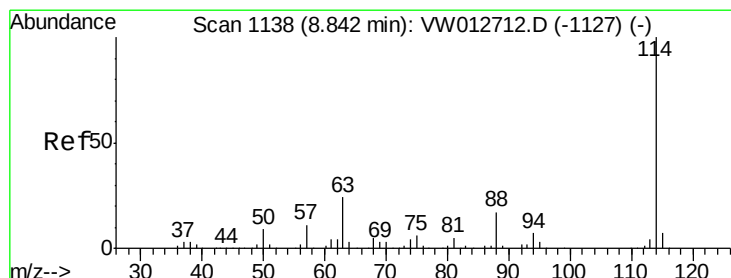
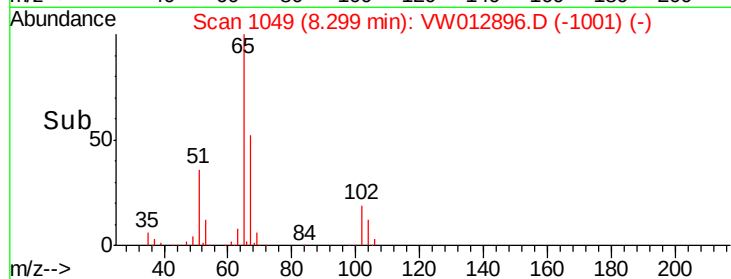
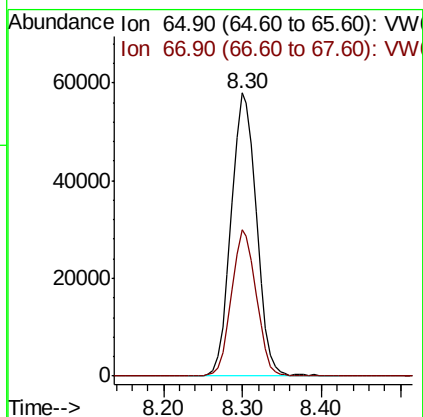
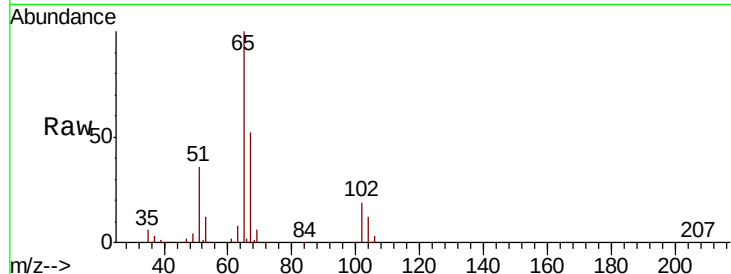




#33
 1,2-Dichloroethane-d4
 Concen: 48.418 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012896.D
 Acq: 11 Sep 2019 04:03

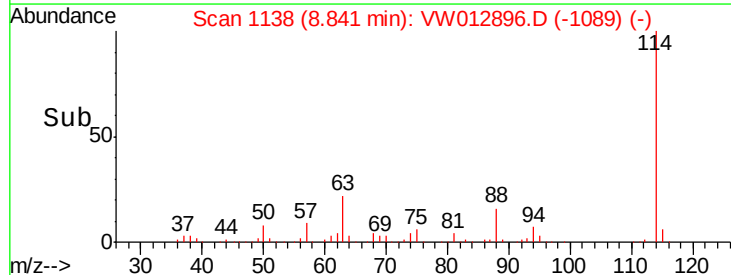
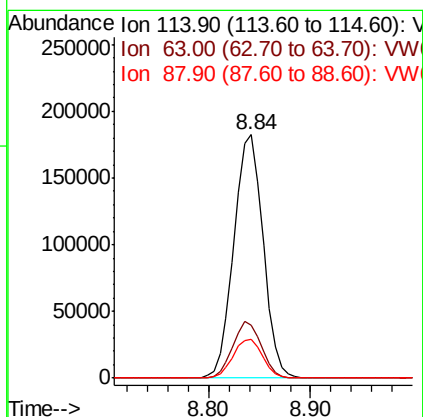
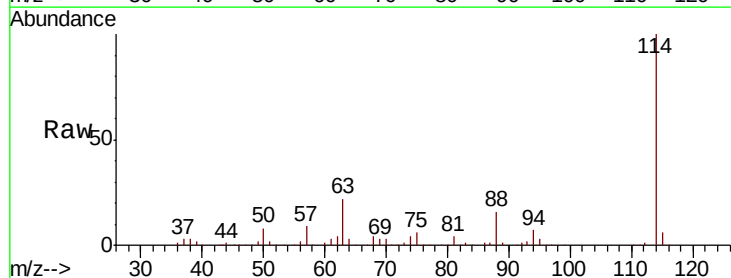
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(0)

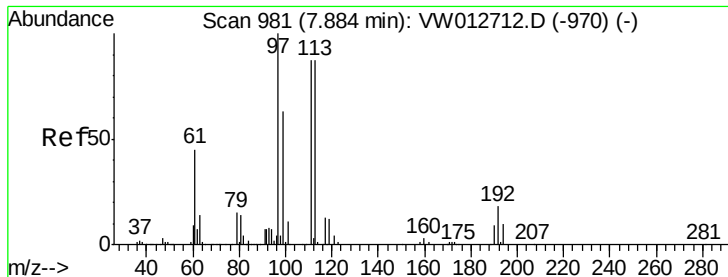
Tgt Ion: 65 Resp: 129701
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012896.D
 Acq: 11 Sep 2019 04:03

Tgt Ion: 114 Resp: 362745
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 47.2
 88 15.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

Instrument :
MSVOA_W
ClientSampleId :
T1-1-(0)

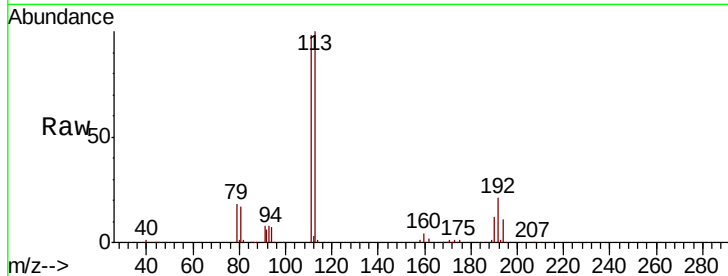
Tgt Ion: 113 Resp: 105692

Ion Ratio Lower Upper

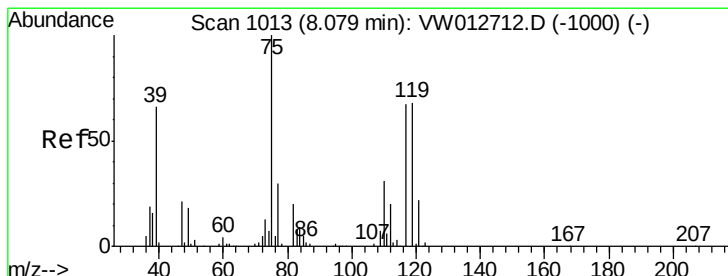
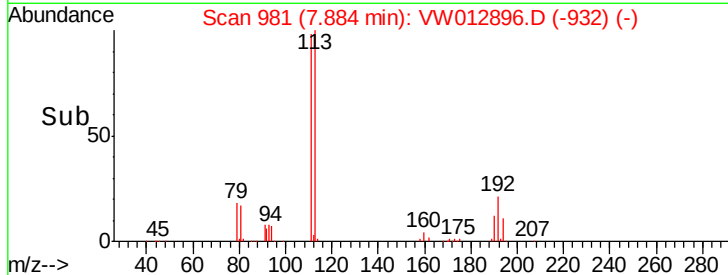
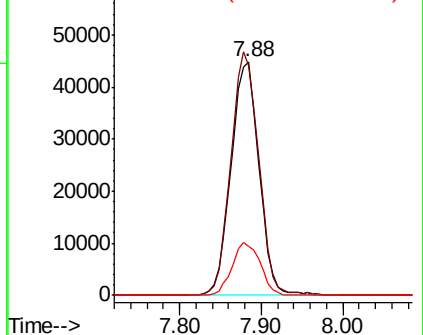
113 100

111 103.9 80.2 120.4

192 22.9 17.3 25.9



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: 5.565 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

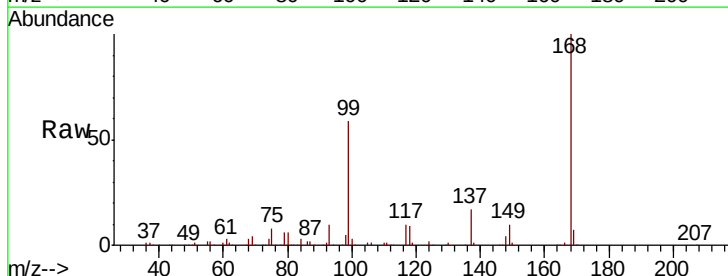
Tgt Ion: 75 Resp: 17937

Ion Ratio Lower Upper

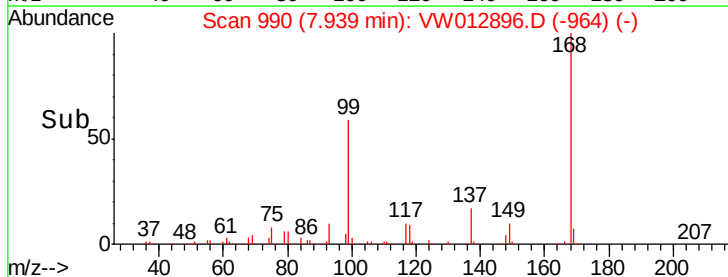
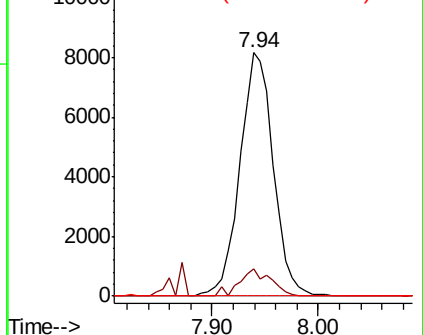
75 100

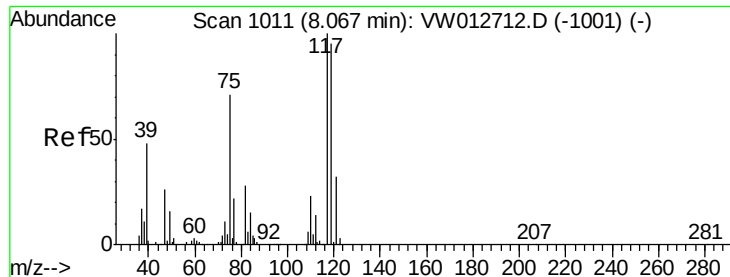
110 10.5 15.9 47.7#

77 0.0 25.0 37.4#



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: 7.105 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

Instrument :

MSVOA_W

ClientSampleId :

T1-1-(0)

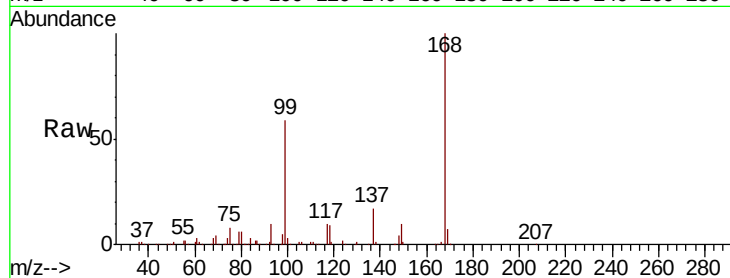
Tgt Ion: 117 Resp: 22574

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.2#

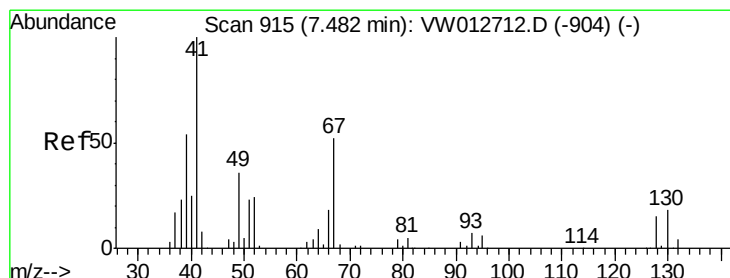
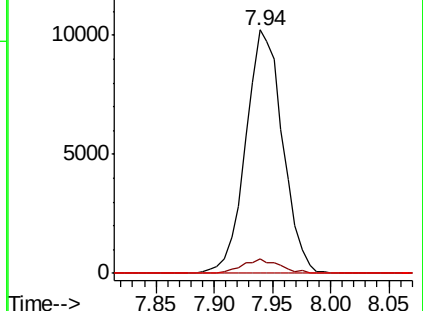
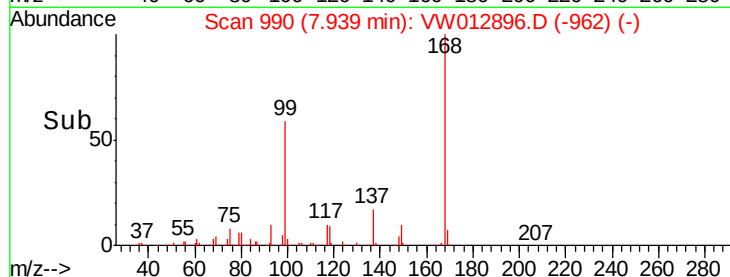
121 0.0 25.4 38.2#



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: 5.504 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

Tgt Ion: 41 Resp: 2519

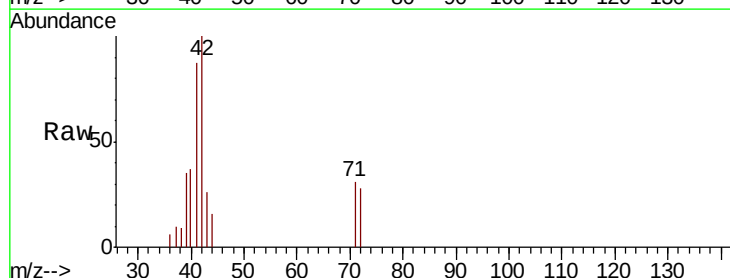
Ion Ratio Lower Upper

41 100

39 50.4 47.5 71.3

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

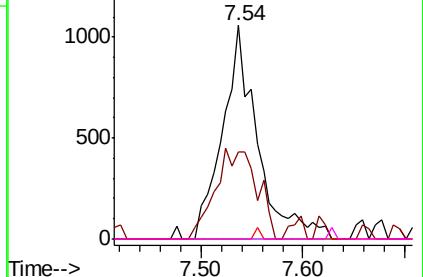
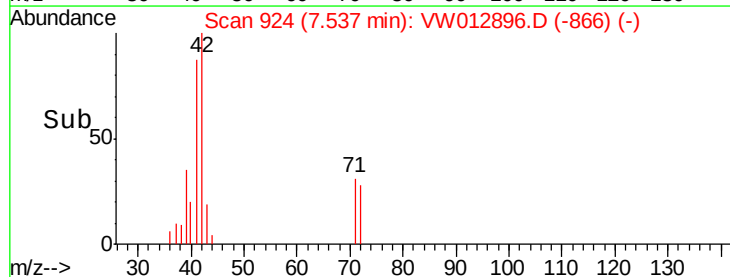


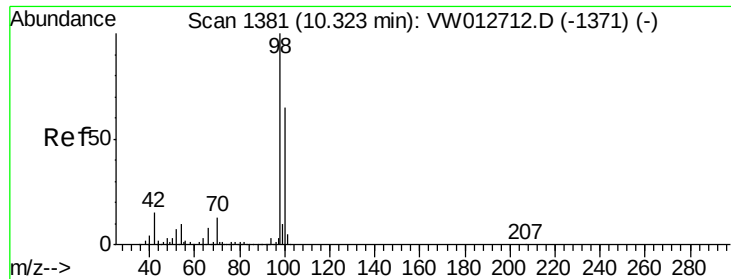
Abundance Ion 41.00 (40.70 to 41.70): VW

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





#50

Toluene-d8

Concen: 50.765 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

Instrument :

MSVOA_W

ClientSampled :

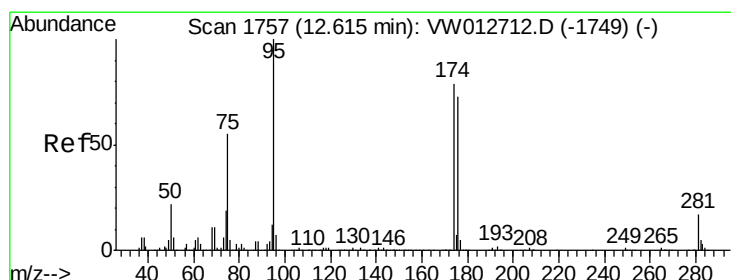
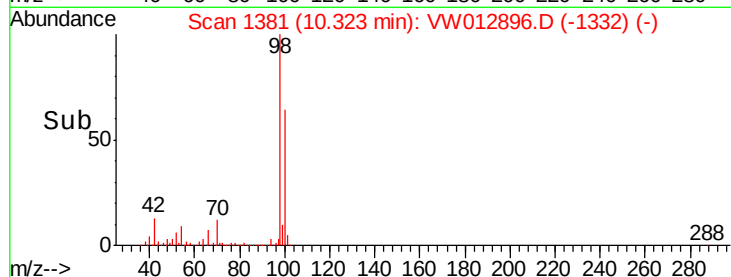
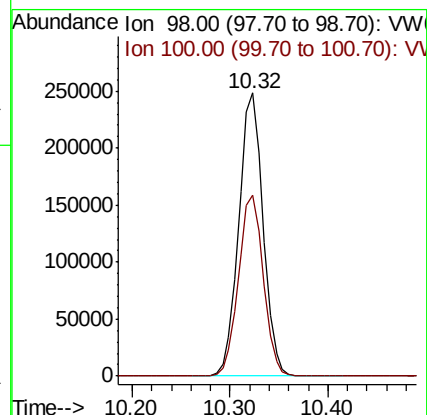
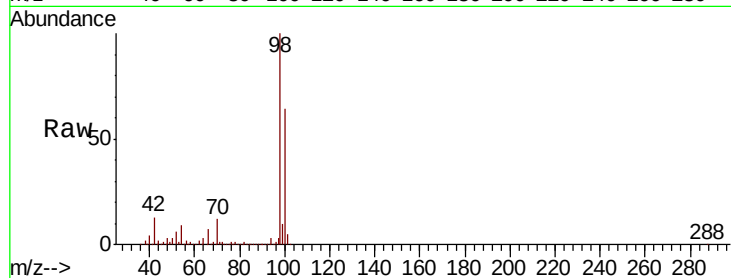
T1-1-(0)

Tgt Ion: 98 Resp: 428919

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 36.502 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012896.D

Acq: 11 Sep 2019 04:03

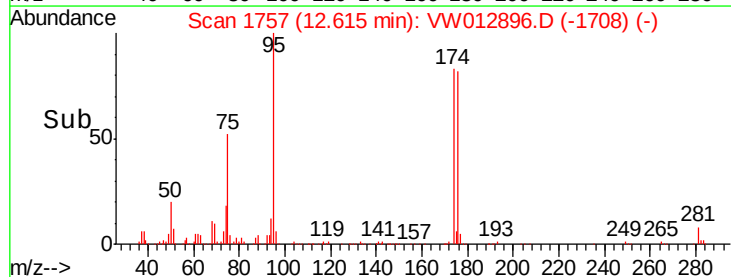
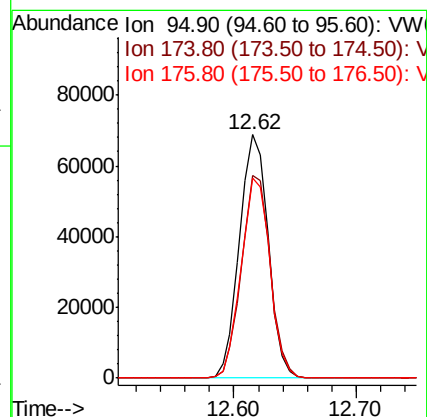
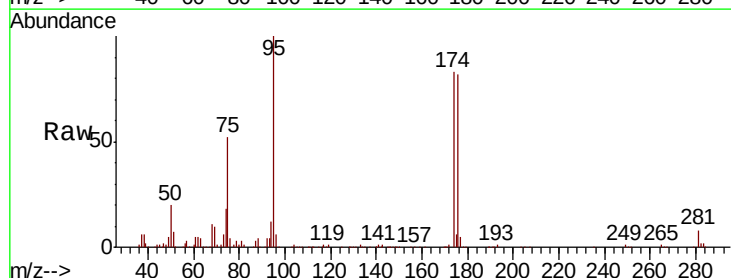
Tgt Ion: 95 Resp: 111963

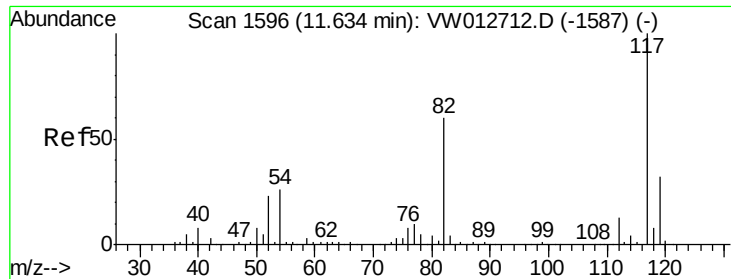
Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.0

176 82.5 0.0 156.4

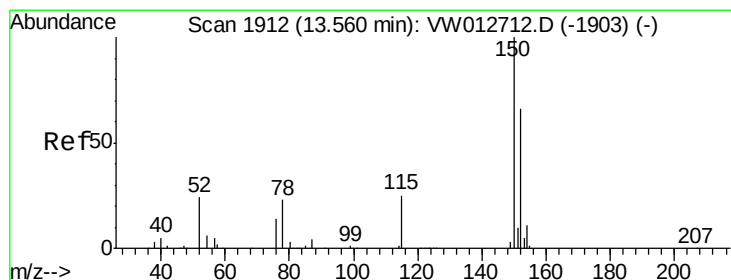
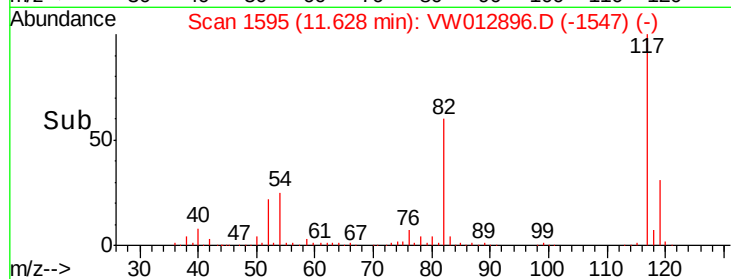
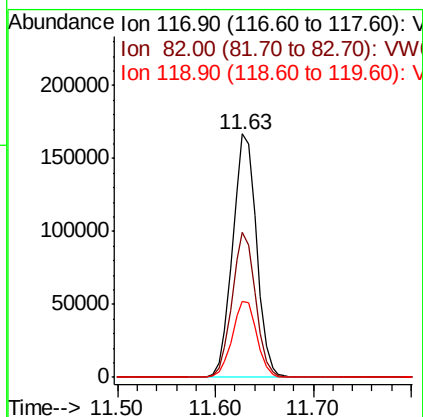
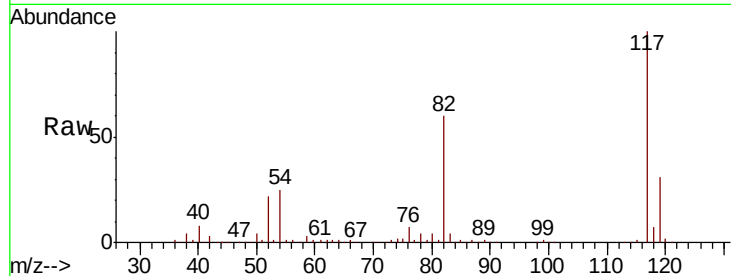




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

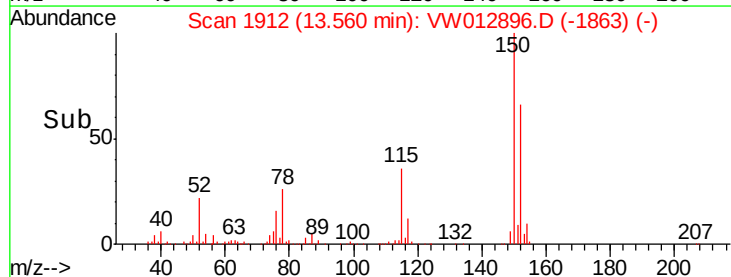
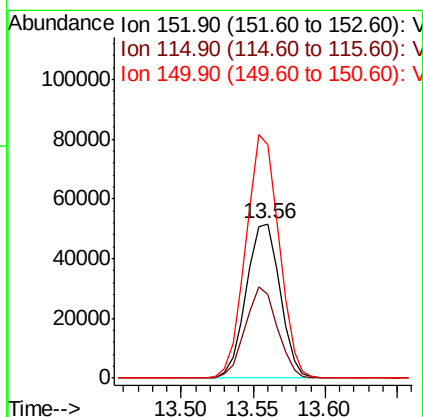
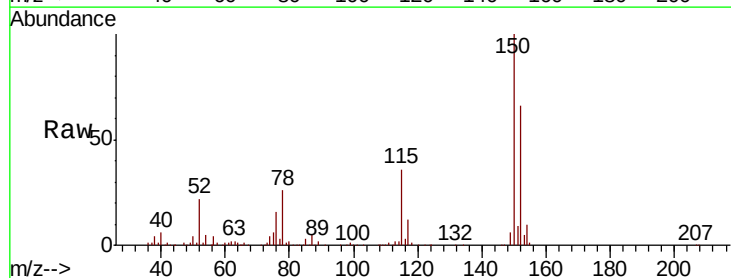
Instrument :
MSVOA_W
ClientSampleId :
T1-1-(0)

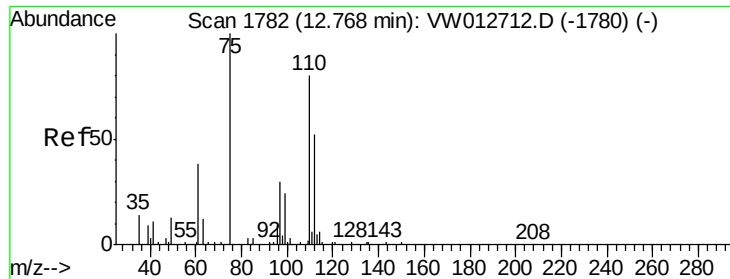
Tgt Ion:117 Resp: 282466
Ion Ratio Lower Upper
117 100
82 59.7 48.2 72.4
119 31.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012896.D
Acq: 11 Sep 2019 04:03

Tgt Ion:152 Resp: 83704
Ion Ratio Lower Upper
152 100
115 56.8 30.0 90.1
150 155.1 0.0 349.0

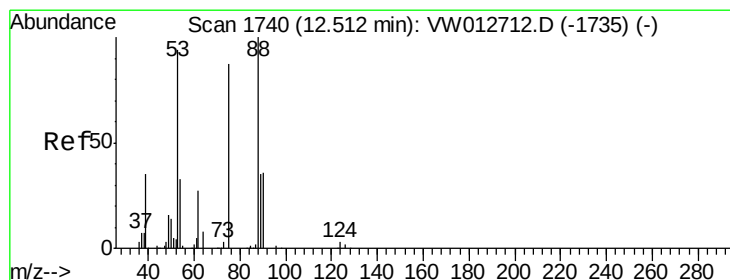
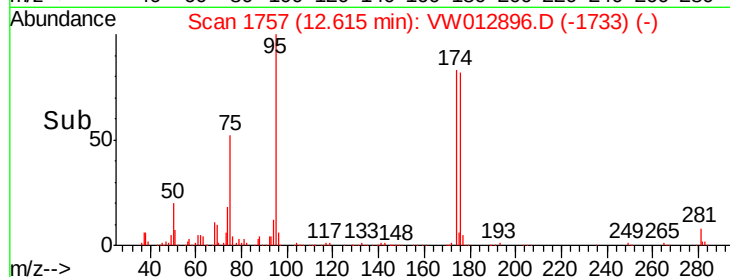
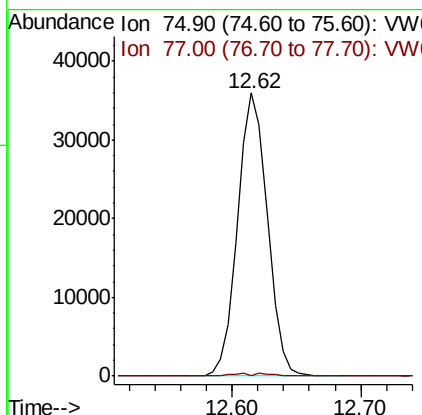
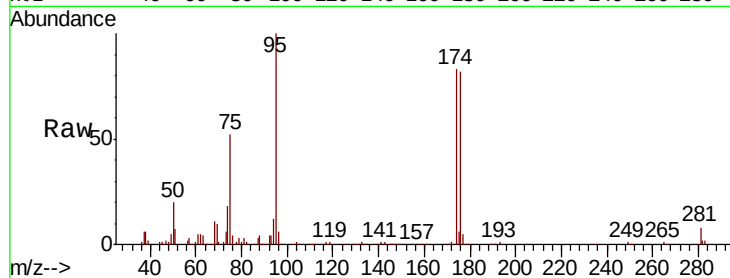




#76
 1,2,3-Trichloropropane
 Concen: 67.325 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012896.D
 Acq: 11 Sep 2019 04:03

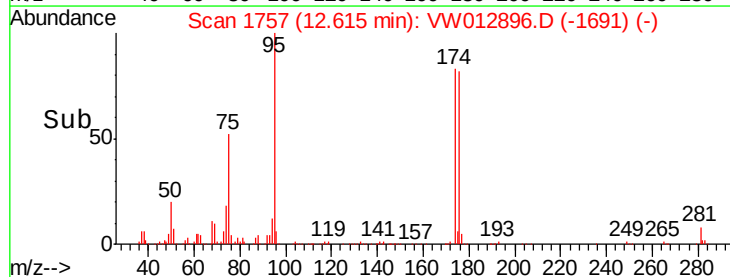
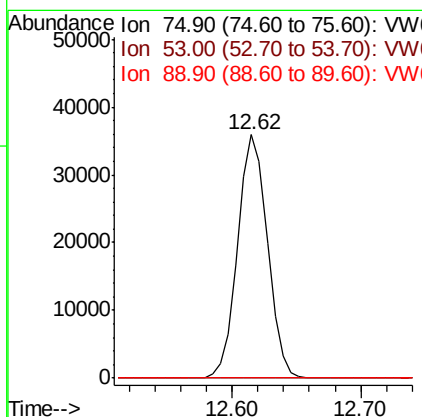
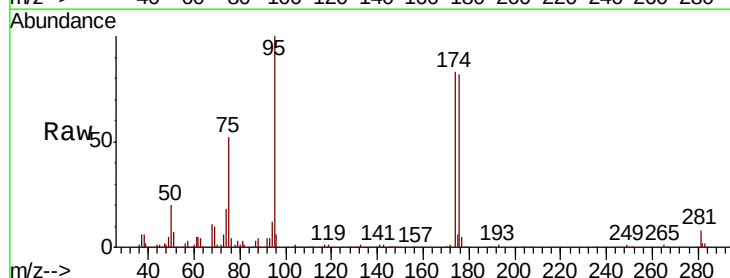
Instrument :
 MSVOA_W
 ClientSampled :
 T1-1-(0)

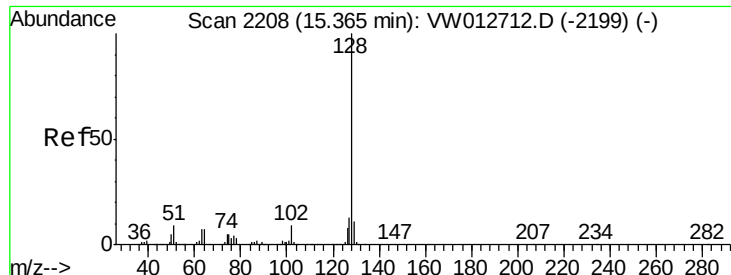
Tgt Ion: 75 Resp: 57624
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.397 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012896.D
 Acq: 11 Sep 2019 04:03

Tgt Ion: 75 Resp: 57624
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.1 35.5 53.3#





#95
 Naphthalene
 Concen: 4.498 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW012896.D
 Acq: 11 Sep 2019 04:03

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-1-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

