

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091019\
 Data File : VW012898.D
 Acq On : 11 Sep 2019 04:55
 Operator : SY/VA
 Sample : K4680-04
 Misc : 5.62G/5ML/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-3-(0)

Quant Time: Sep 11 08:24:56 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	240725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	101998	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	131675	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	7.88	113	107305	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.32	98	440521	52.22	ug/l	0.00
Spiked Amount			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.62	95	122918	40.14	ug/l	0.00
Spiked Amount			Recovery	=	80.28%	

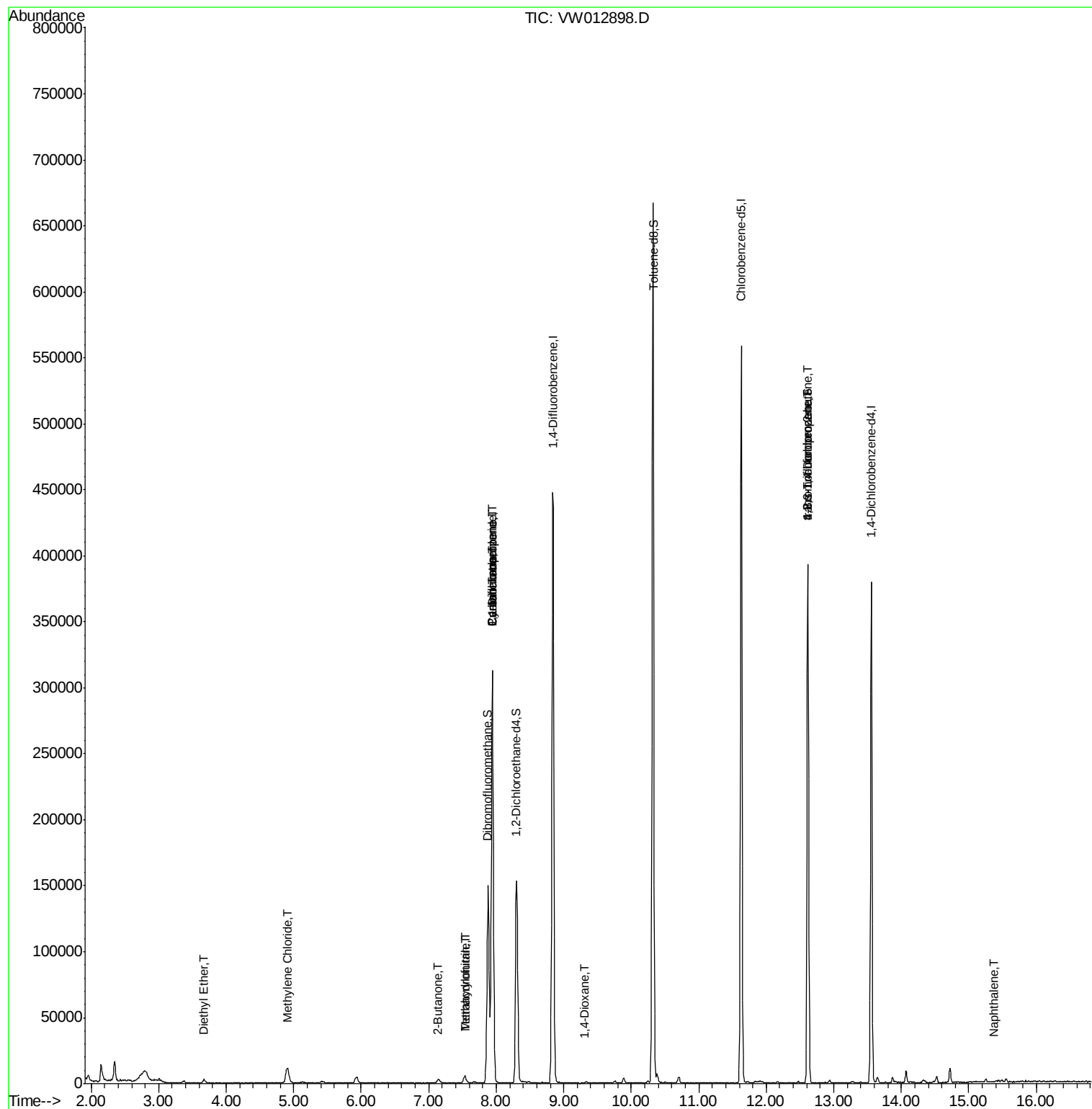
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1626	1.442	ug/l	98
20) Methylene Chloride	4.91	84	8732	3.806	ug/l	94
25) 2-Butanone	7.15	43	211	19.860	ug/l #	71
29) Tetrahydrofuran	7.54	42	4749	8.020	ug/l	94
31) Cyclohexane	7.95	56	4912	1.242	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18520	5.755	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23592	7.437	ug/l #	15
41) Methacrylonitrile	7.54	41	2880	5.745	ug/l #	55
49) 1,4-Dioxane	9.29	88	46	1.986	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	64527	61.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64527	130.856	ug/l #	6
95) Naphthalene	15.36	128	59	4.452	ug/l #	59

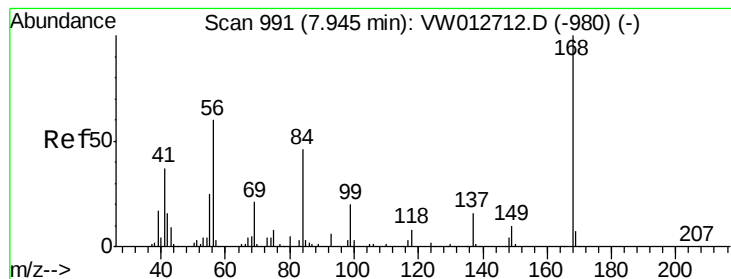
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012898.D

Acq: 11 Sep 2019 04:55

Instrument :

MSVOA_W

ClientSampled :

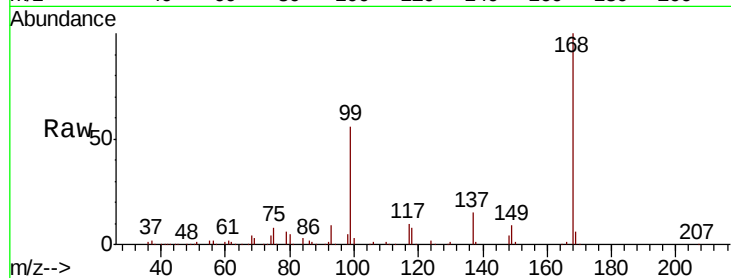
T1-3-(0)

Tgt Ion:168 Resp: 240725

Ion Ratio Lower Upper

168 100

99 56.5 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

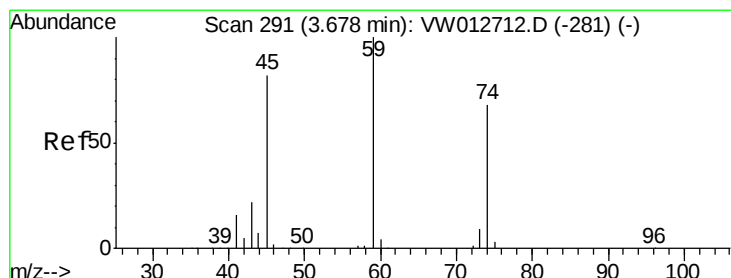
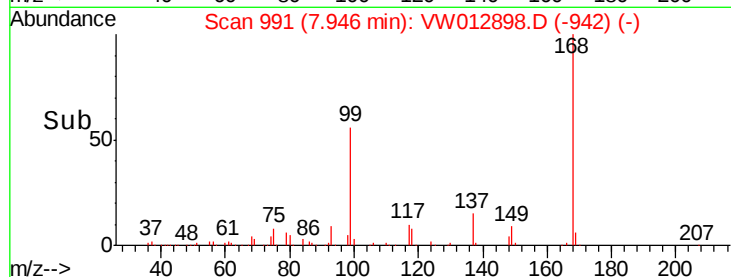
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.442 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012898.D

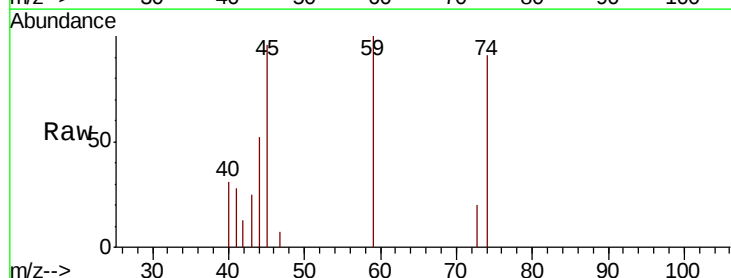
Acq: 11 Sep 2019 04:55

Tgt Ion: 74 Resp: 1626

Ion Ratio Lower Upper

74 100

45 119.5 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

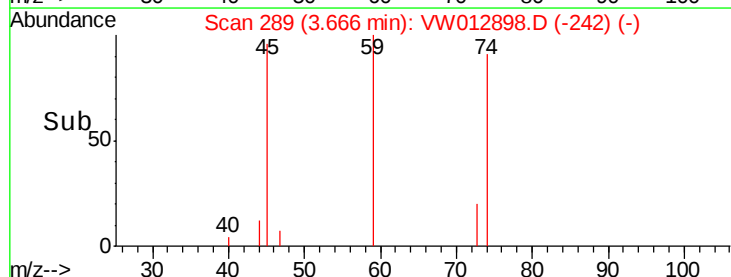
600

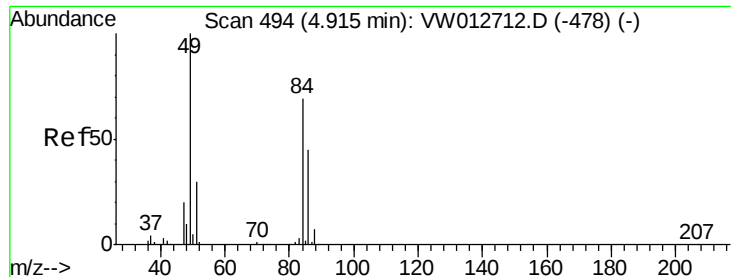
400

200

0

Time--> 3.60 3.65 3.70

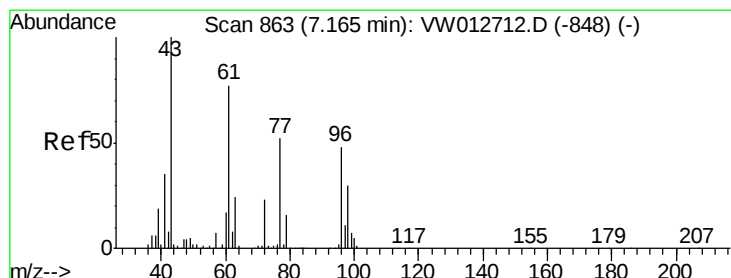
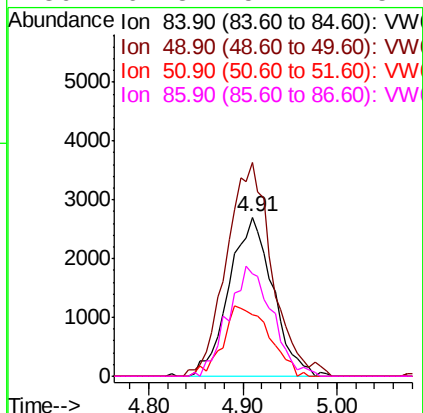
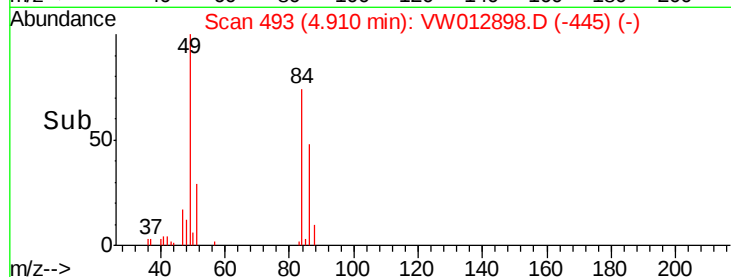
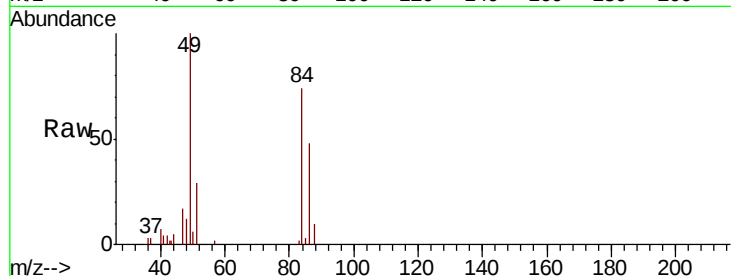




#20
Methylene Chloride
Concen: 3.806 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

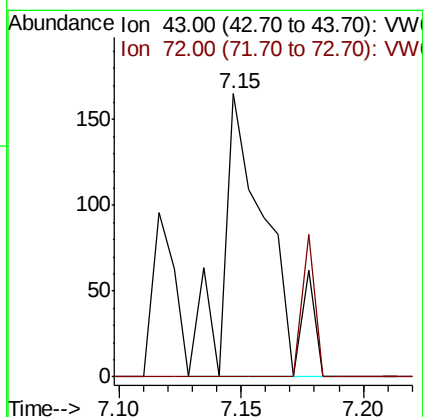
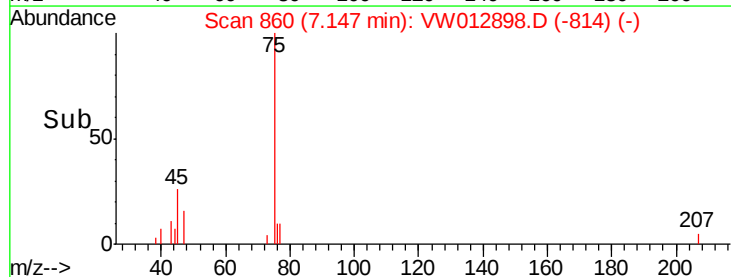
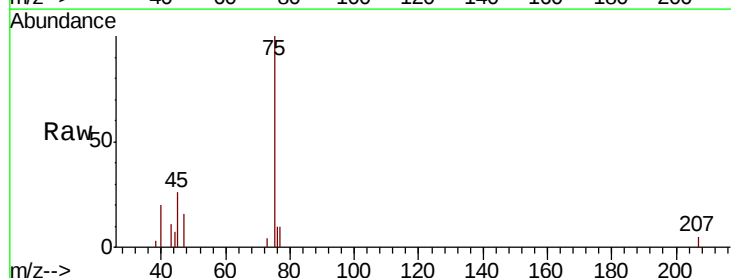
Instrument :
MSVOA_W
ClientSampled :
T1-3-(0)

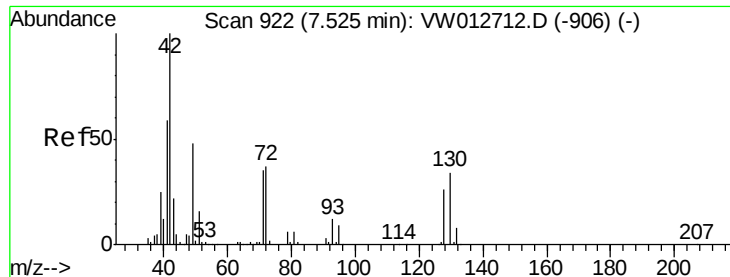
Tgt Ion: 84 Resp: 8732
Ion Ratio Lower Upper
84 100
49 134.5 115.4 173.0
51 38.8 34.9 52.3
86 64.8 52.2 78.4



#25
2-Butanone
Concen: 19.860 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
72 36.4 18.0 27.0#

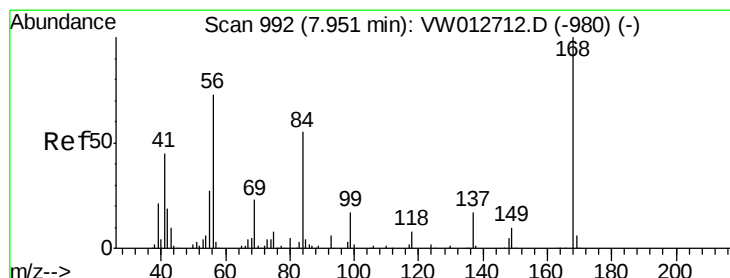
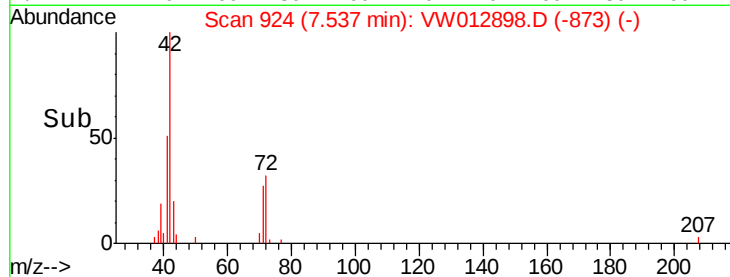
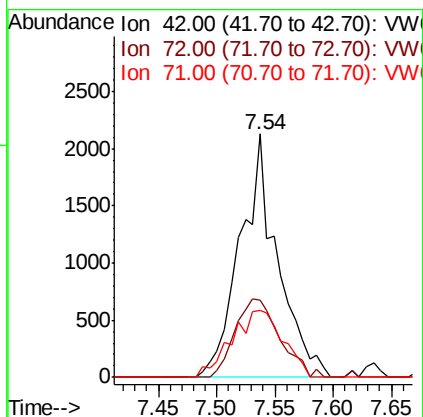
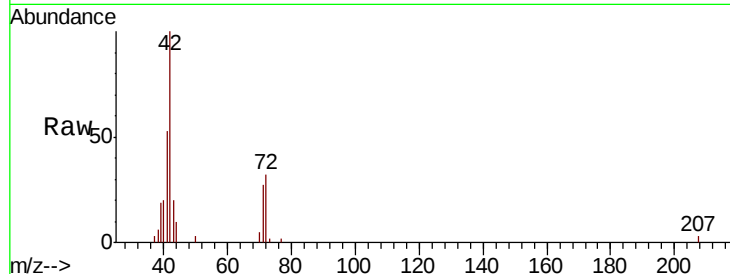




#29
Tetrahydrofuran
Concen: 8.020 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

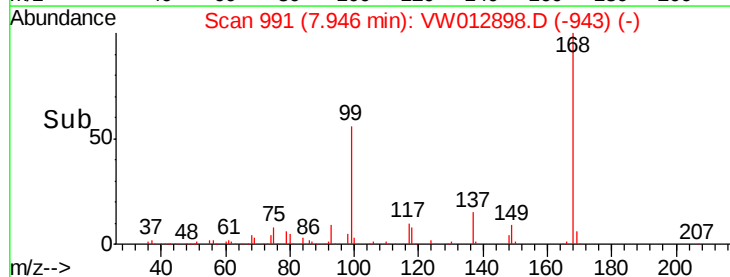
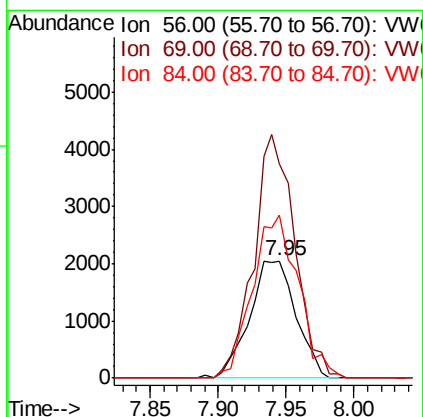
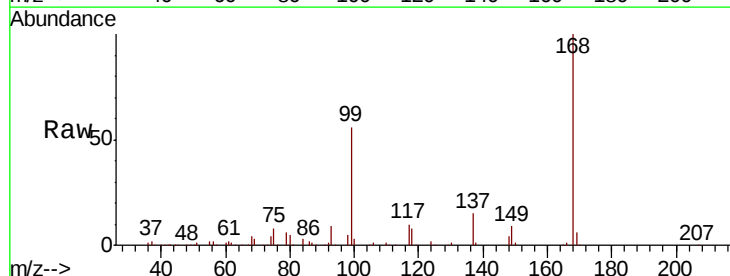
Instrument :
MSVOA_W
ClientSampled :
T1-3-(0)

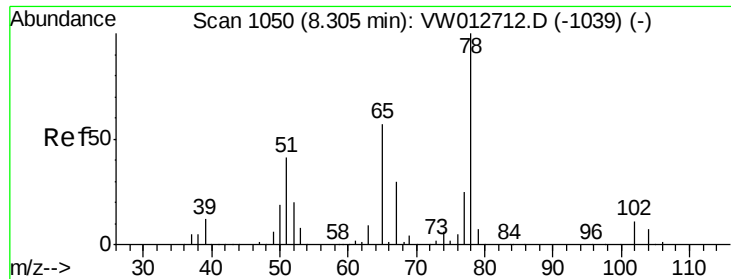
Tgt Ion: 42 Resp: 4749
Ion Ratio Lower Upper
42 100
72 38.2 28.4 42.6
71 37.7 27.1 40.7



#31
Cyclohexane
Concen: 1.242 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Tgt Ion: 56 Resp: 4912
Ion Ratio Lower Upper
56 100
69 182.9 25.7 38.5#
84 139.4 60.4 90.6#

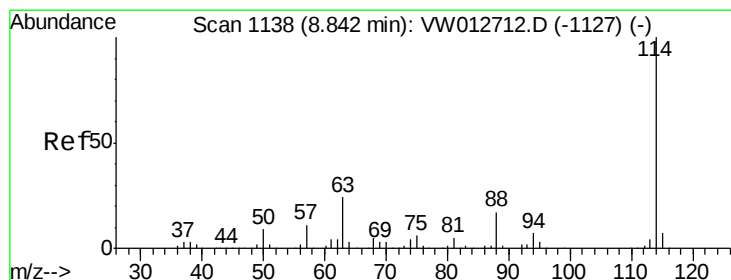
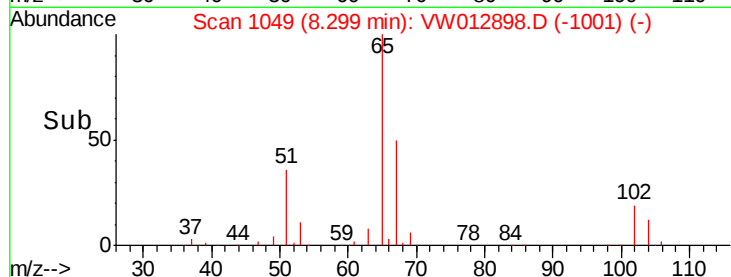
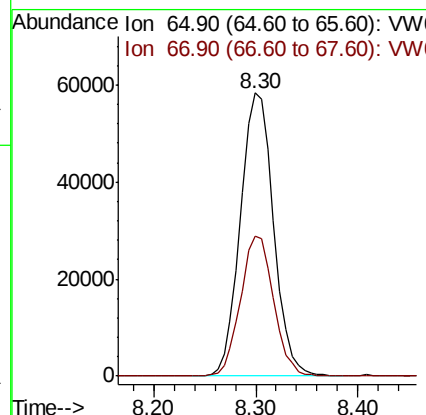
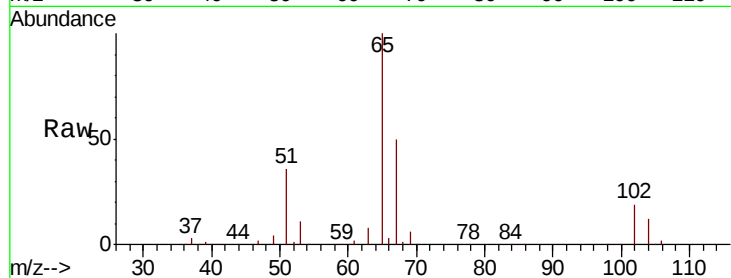




#33
 1,2-Dichloroethane-d4
 Concen: 48.955 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012898.D
 Acq: 11 Sep 2019 04:55

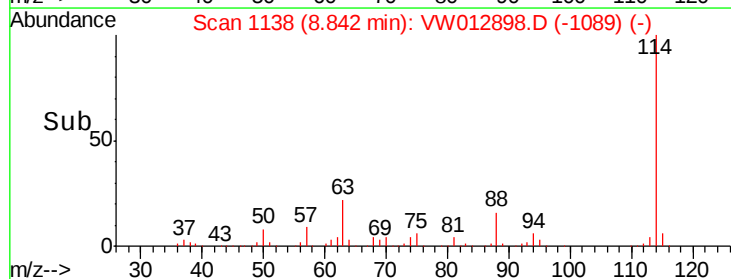
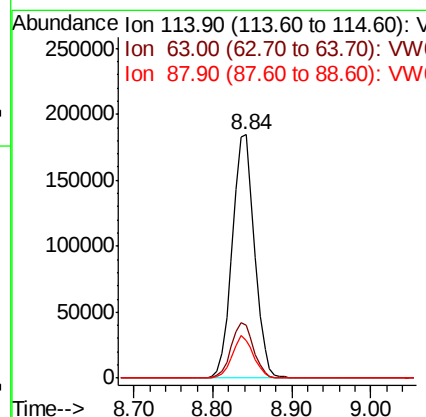
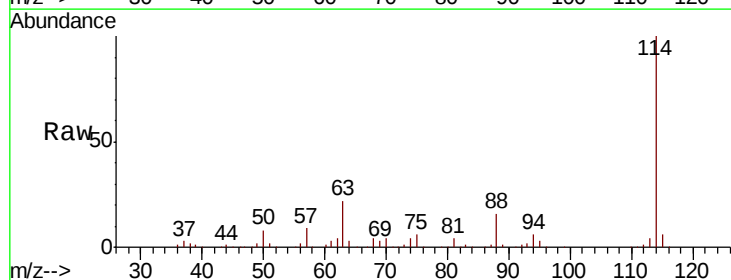
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-3-(0)

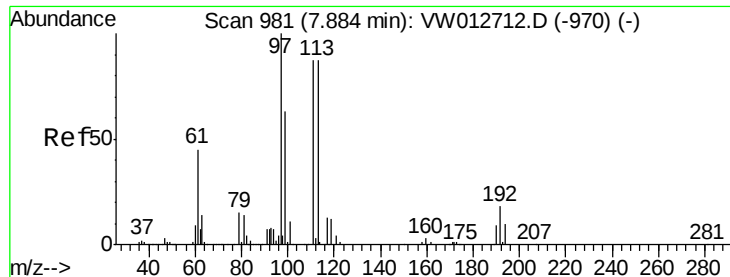
Tgt Ion: 65 Resp: 131675
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012898.D
 Acq: 11 Sep 2019 04:55

Tgt Ion: 114 Resp: 362184
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 47.2
 88 15.6 0.0 34.0

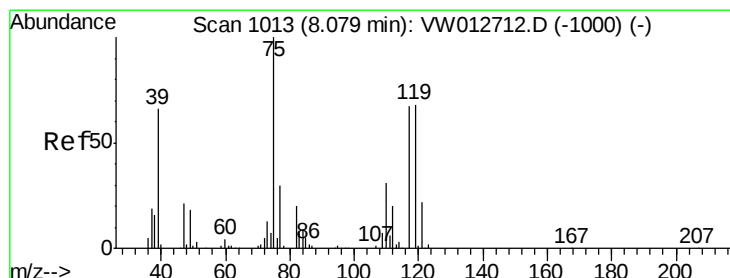
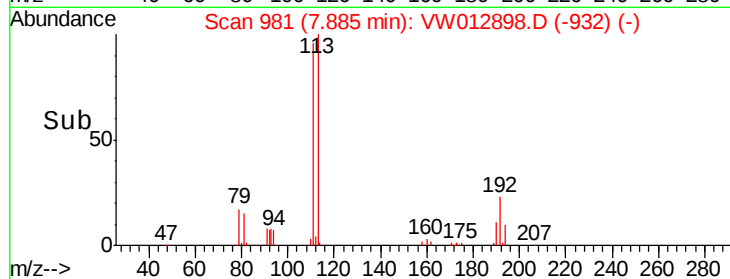
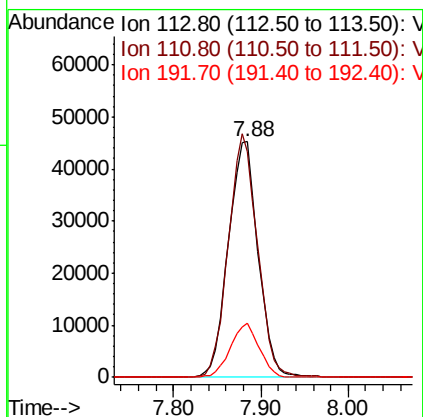
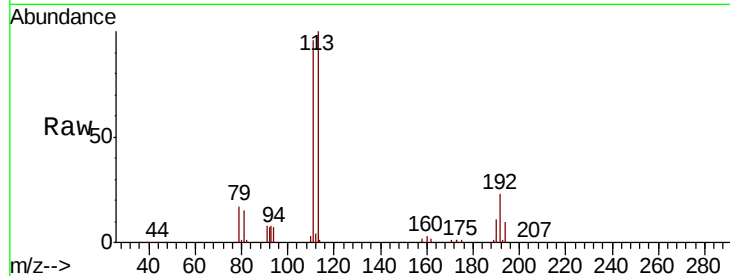




#35
 Dibromofluoromethane
 Concen: 49.833 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012898.D
 Acq: 11 Sep 2019 04:55

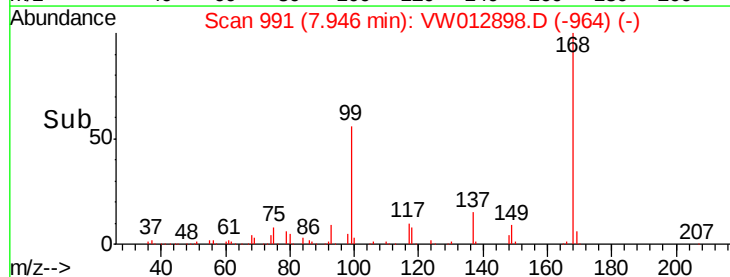
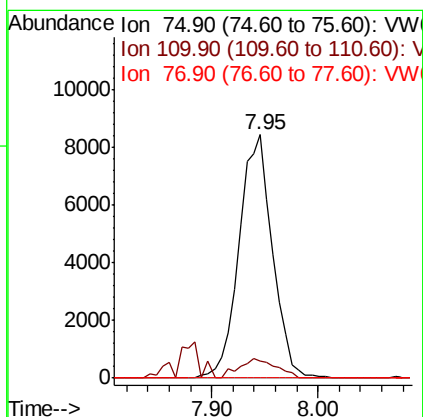
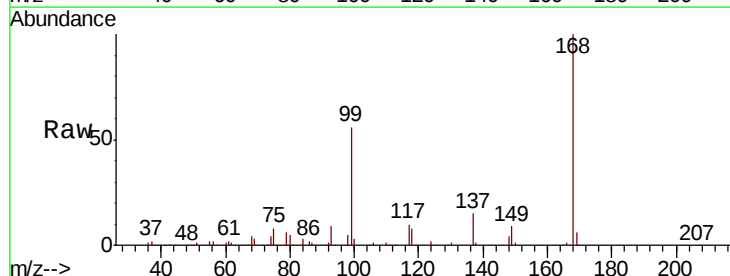
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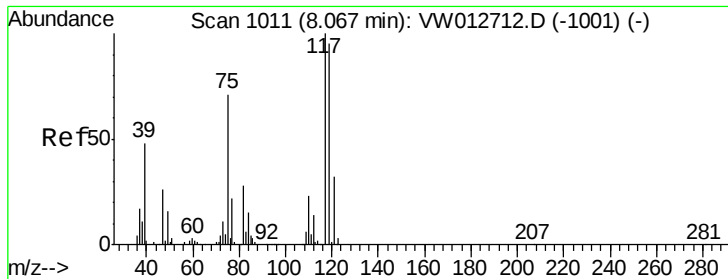
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.2	120.4
192	22.1	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 5.755 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012898.D
 Acq: 11 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	15.9	47.7#
77	0.0	25.0	37.4#

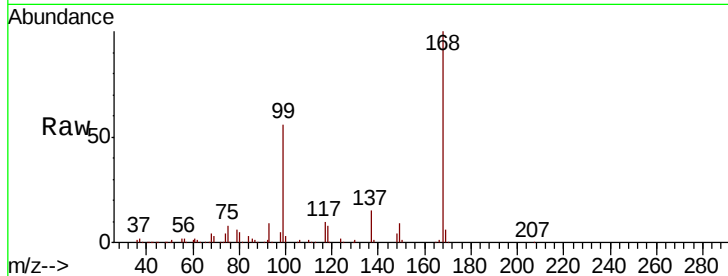




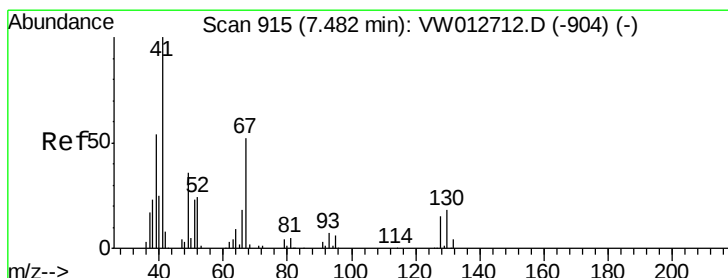
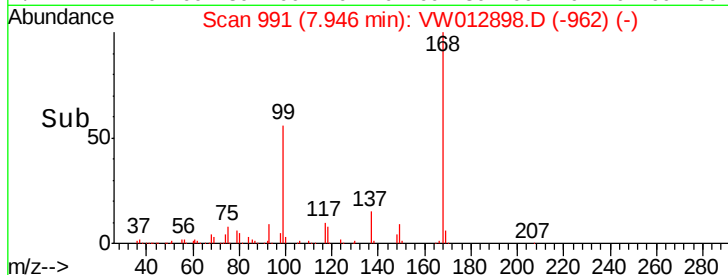
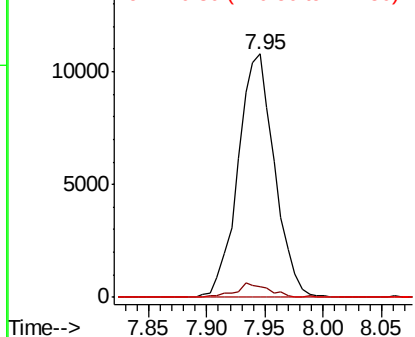
#38
Carbon Tetrachloride
Concen: 7.437 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Instrument :
MSVOA_W
ClientSampleId :
T1-3-(0)

Tgt Ion:117 Resp: 23592
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 25.4 38.2#

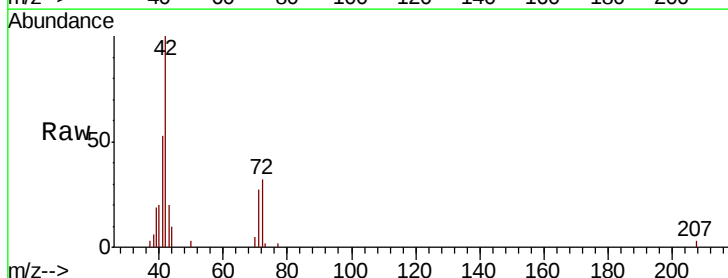


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

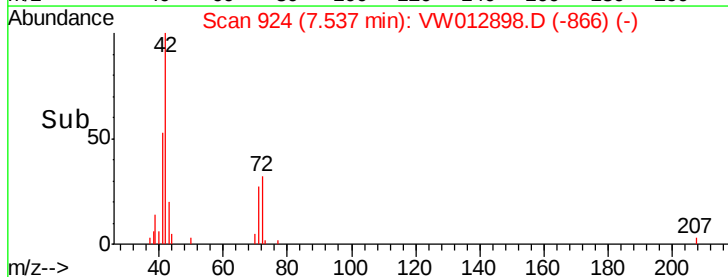
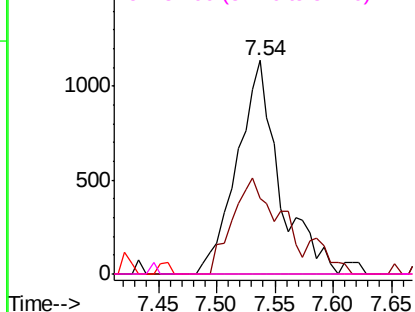


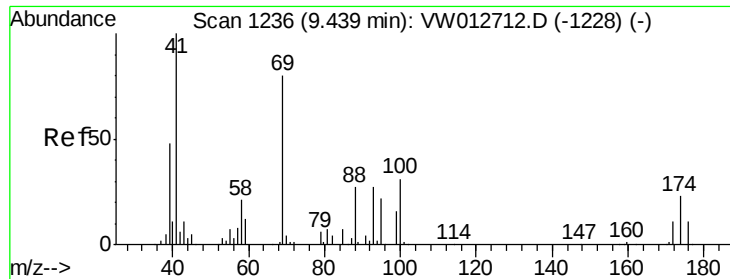
#41
Methacrylonitrile
Concen: 5.745 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.06 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Tgt Ion: 41 Resp: 2880
Ion Ratio Lower Upper
41 100
39 49.8 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

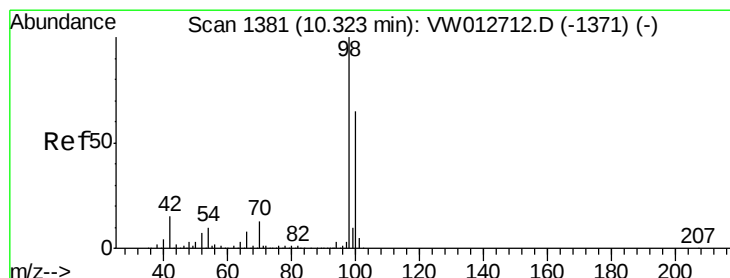
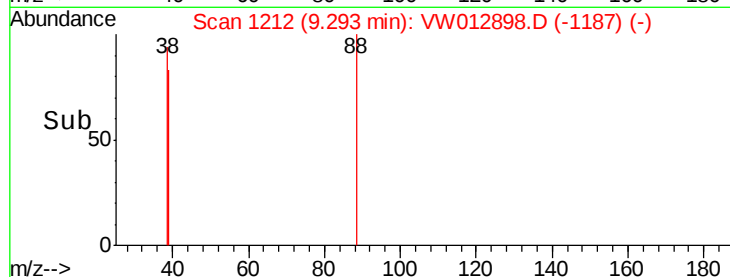
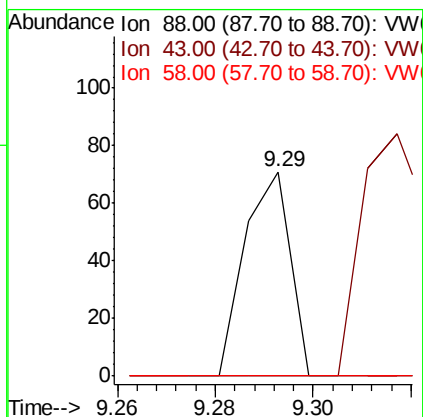
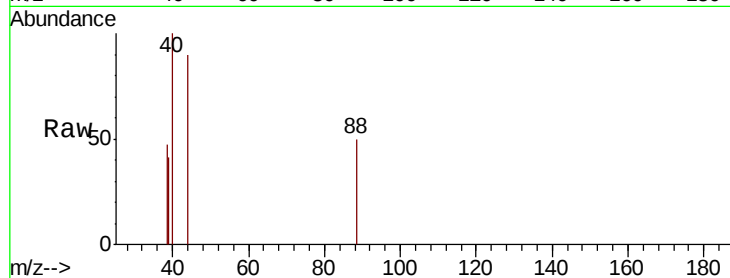




#49
1,4-Dioxane
Concen: 1.986 ug/l
RT: 9.29 min Scan# 1212
Delta R.T. -0.15 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

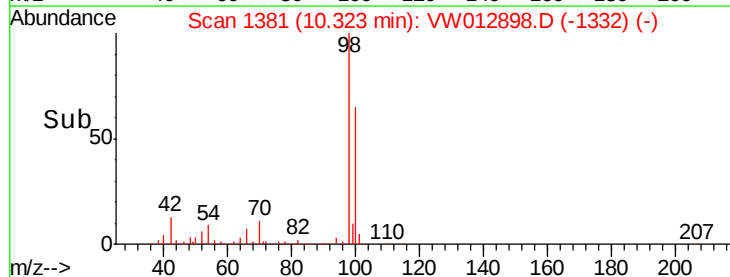
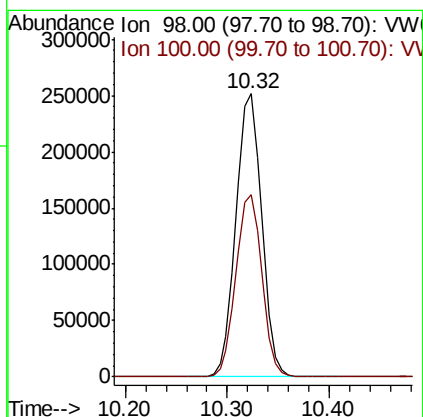
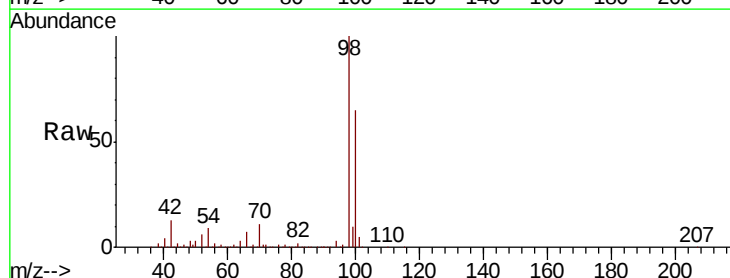
Instrument :
MSVOA_W
ClientSampled :
T1-3-(0)

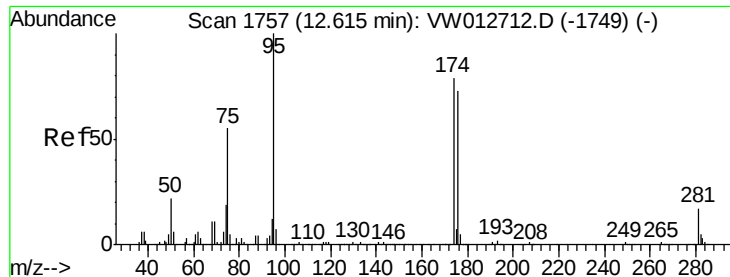
Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 0.0 64.1 96.1#



#50
Toluene-d8
Concen: 52.219 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Tgt Ion: 98 Resp: 440521
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4

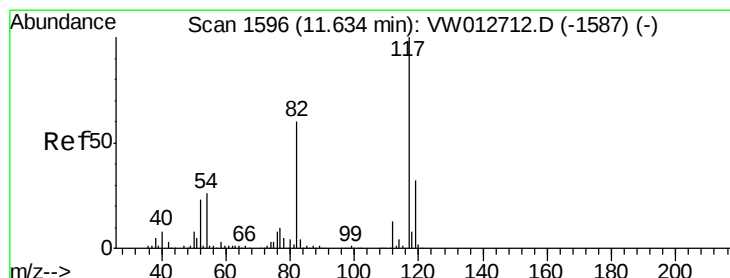
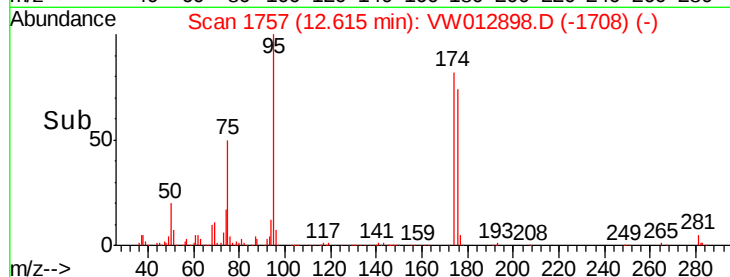
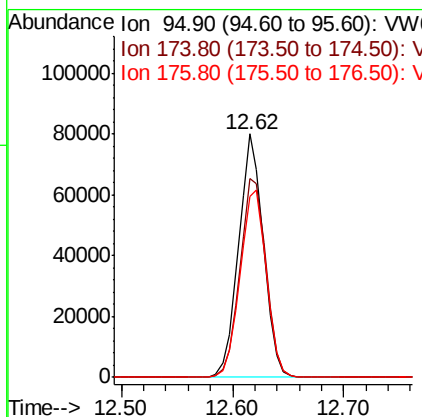
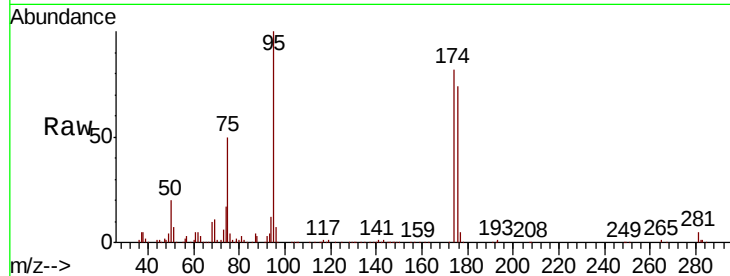




#62
4-Bromofluorobenzene
Concen: 40.136 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

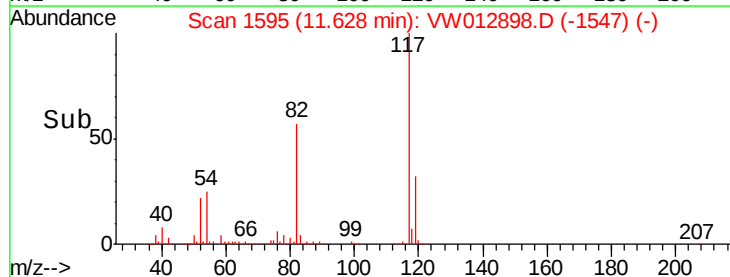
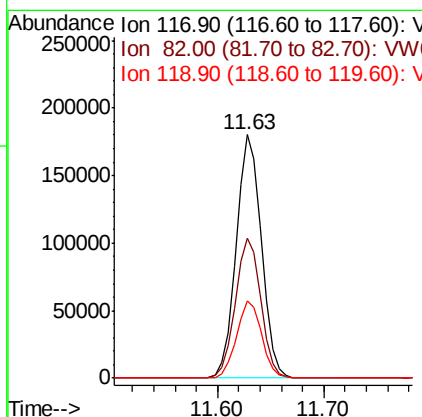
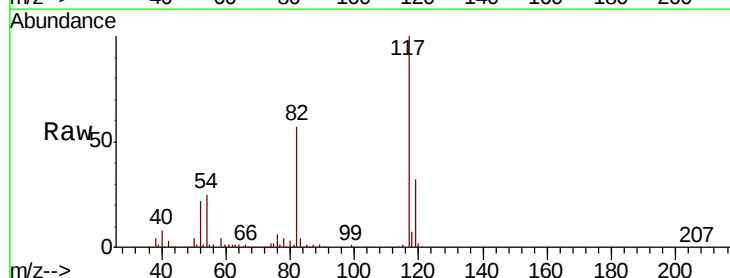
Instrument :
MSVOA_W
ClientSampleId :
T1-3-(0)

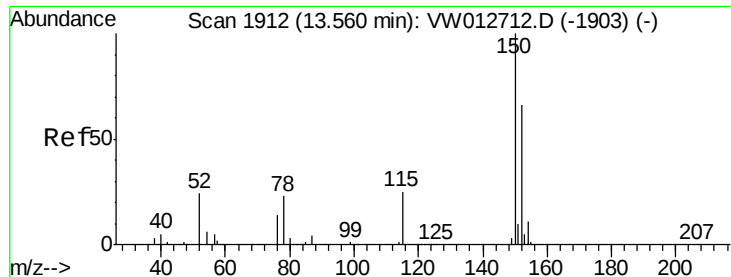
Tgt Ion: 95 Resp: 122918
Ion Ratio Lower Upper
95 100
174 86.1 0.0 161.0
176 81.5 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012898.D
Acq: 11 Sep 2019 04:55

Tgt Ion: 117 Resp: 300105
Ion Ratio Lower Upper
117 100
82 57.4 48.2 72.4
119 31.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012898.D

Acq: 11 Sep 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

T1-3-(0)

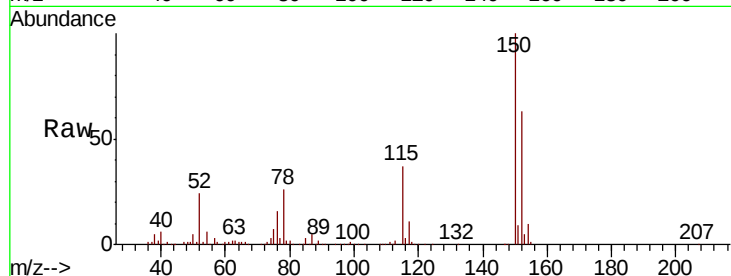
Tgt Ion:152 Resp: 101998

Ion Ratio Lower Upper

152 100

115 56.8 30.0 90.1

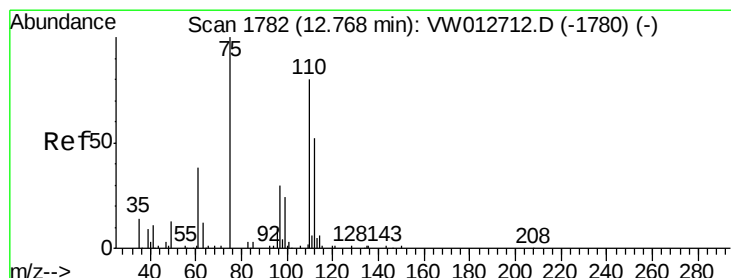
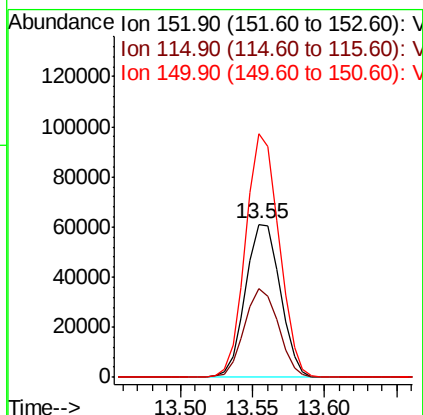
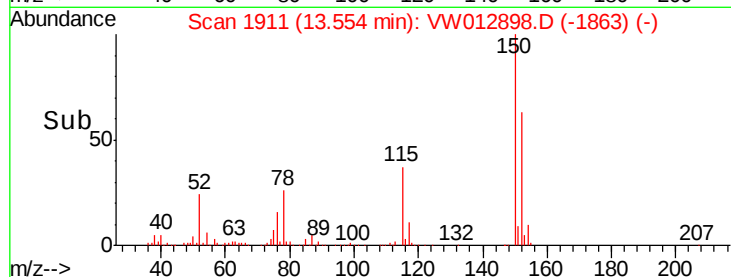
150 153.6 0.0 349.0



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: 61.868 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012898.D

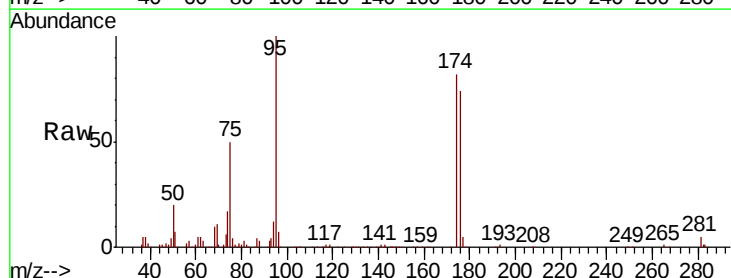
Acq: 11 Sep 2019 04:55

Tgt Ion: 75 Resp: 64527

Ion Ratio Lower Upper

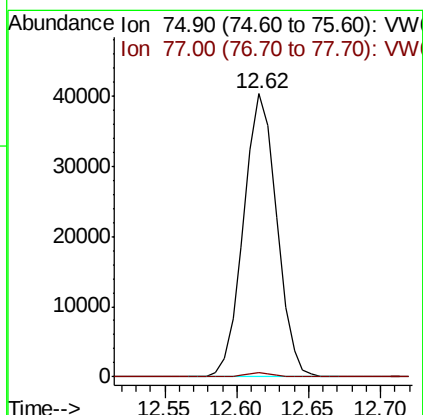
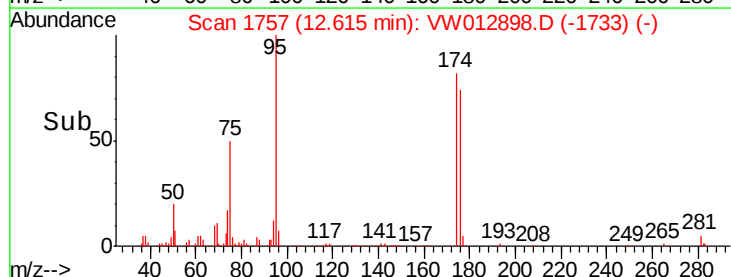
75 100

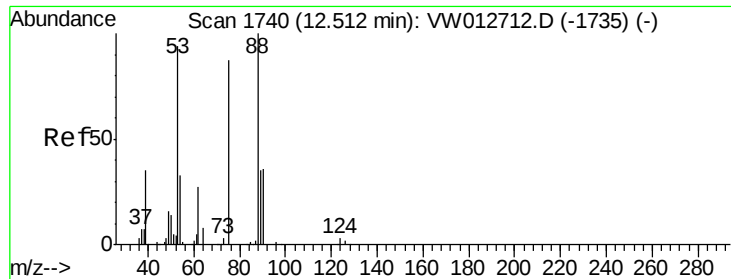
77 1.5 0.0 0.0#



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: 130.856 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012898.D

Acq: 11 Sep 2019 04:55

Instrument :

MSVOA_W

ClientSampleId :

T1-3-(0)

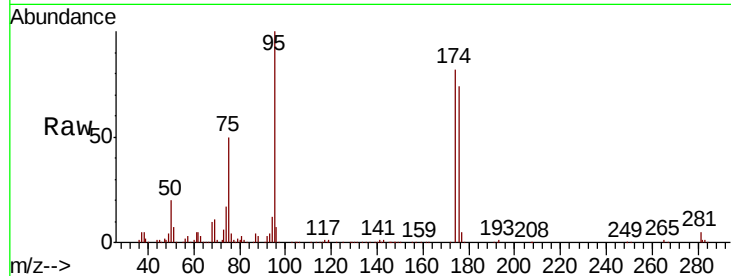
Tgt Ion: 75 Resp: 64527

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

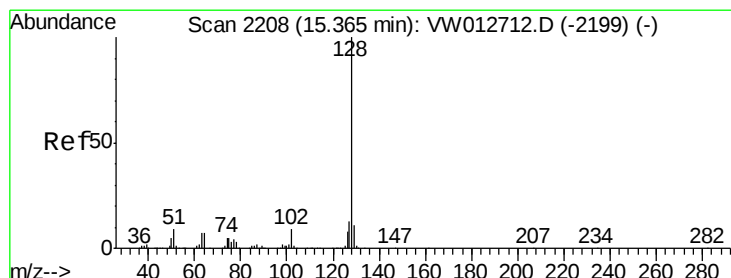
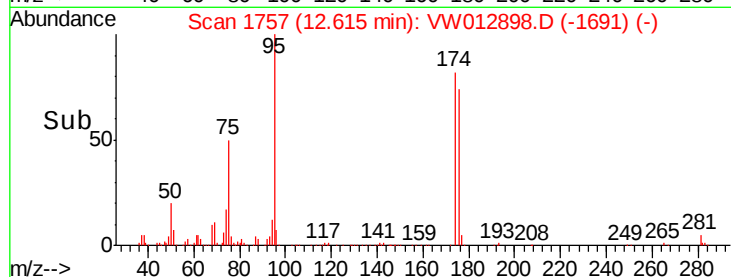
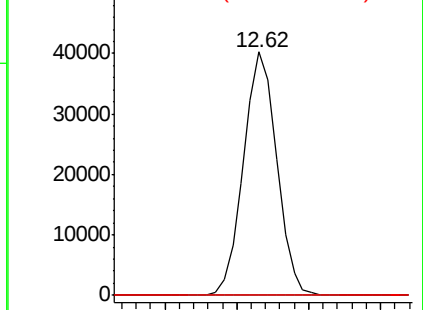
89 0.0 35.5 53.3#



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



#95

Naphthalene

Concen: 4.452 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012898.D

Acq: 11 Sep 2019 04:55

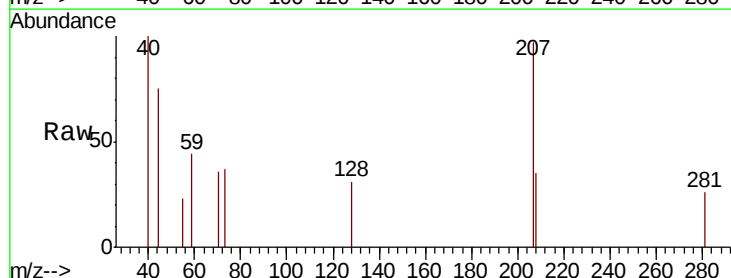
Tgt Ion: 128 Resp: 59

Ion Ratio Lower Upper

128 100

127 33.9 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

