

Data File : VW012722.D
Acq On : 07 Sep 2019 16:29
Operator : SY/VA
Sample : K4581-15RE
Misc : 5.14G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(0)

Quant Time: Sep 08 05:11:59 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	223973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	102145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132905	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.88	113	102243	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.32	98	409330	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	123850	42.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.18%	

Target Compounds

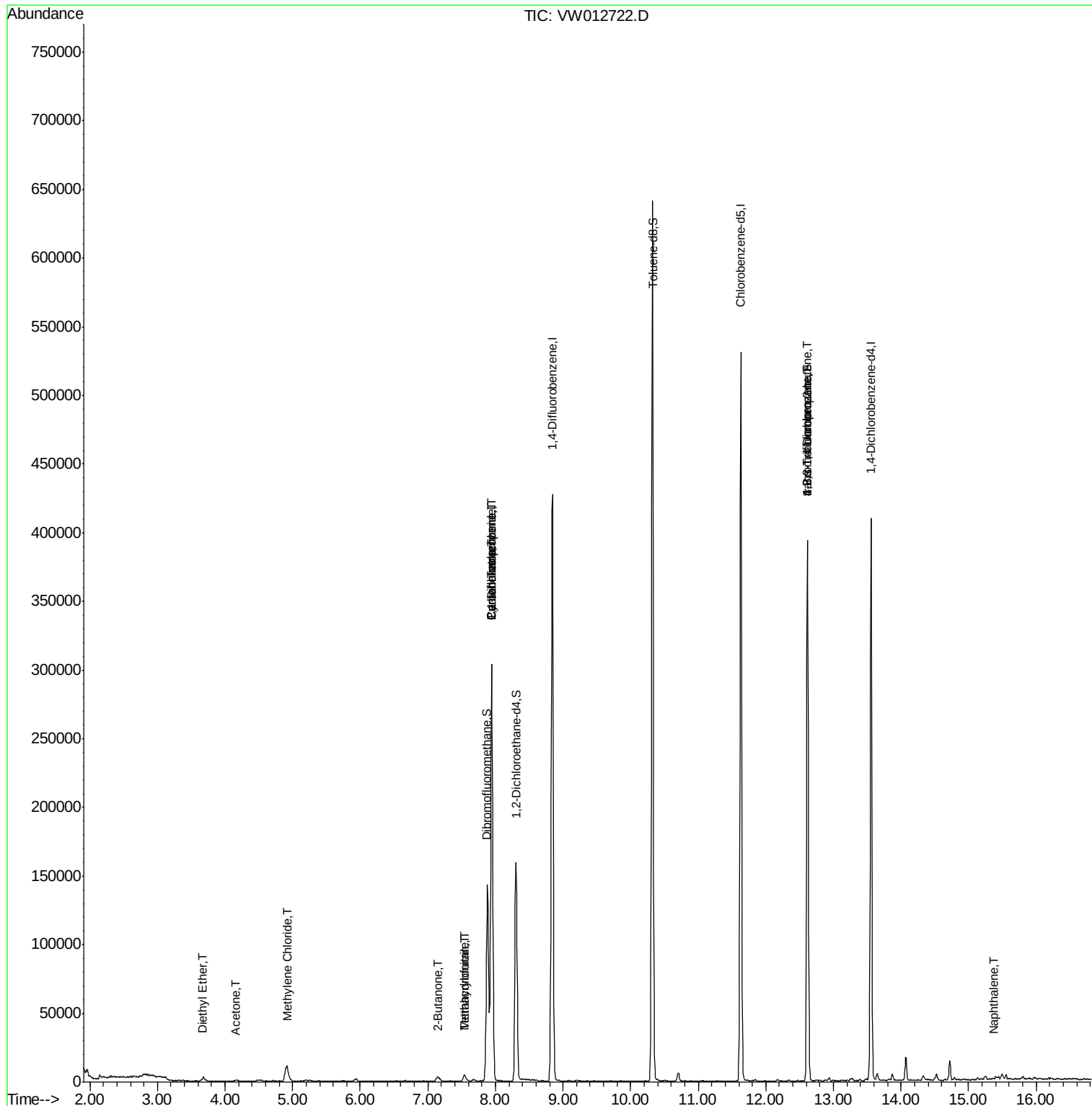
						Qvalue
8) Diethyl Ether	3.67	74	1518	1.447	ug/l	83
16) Acetone	4.15	43	1583	2.320	ug/l #	88
20) Methylene Chloride	4.92	84	8296	3.887	ug/l	95
25) 2-Butanone	7.15	43	180	19.845	ug/l #	53
29) Tetrahydrofuran	7.54	42	3826	6.945	ug/l	96
31) Cyclohexane	7.94	56	5130	1.395	ug/l #	11
36) 1,1-Dichloropropene	7.94	75	18396	5.950	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23131	7.589	ug/l #	17
41) Methacrylonitrile	7.53	41	1179	4.651	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	65806	63.004	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65806	133.257	ug/l #	6
95) Naphthalene	15.37	128	774	4.604	ug/l #	89

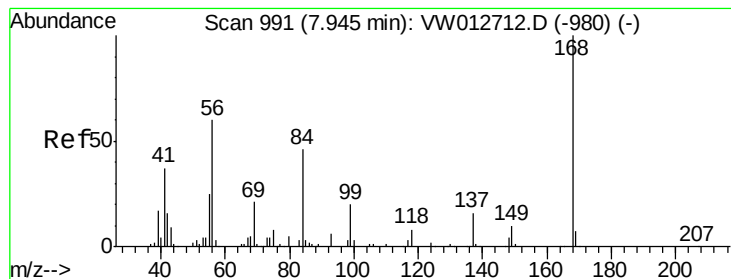
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012722.D

Acq: 07 Sep 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

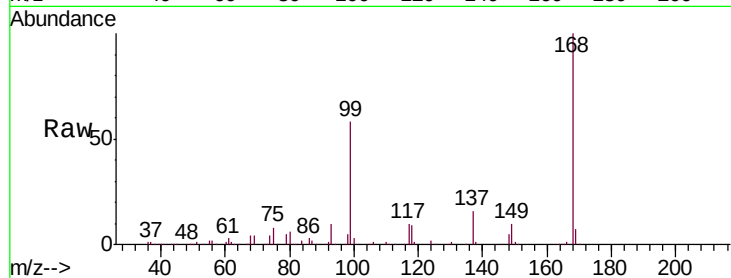
T12-D4-(0)

Tgt Ion:168 Resp: 223973

Ion Ratio Lower Upper

168 100

99 58.4 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

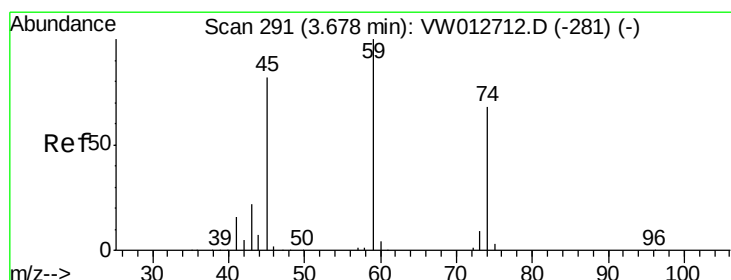
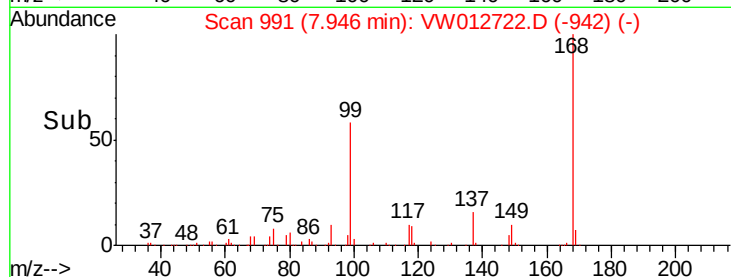
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.447 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012722.D

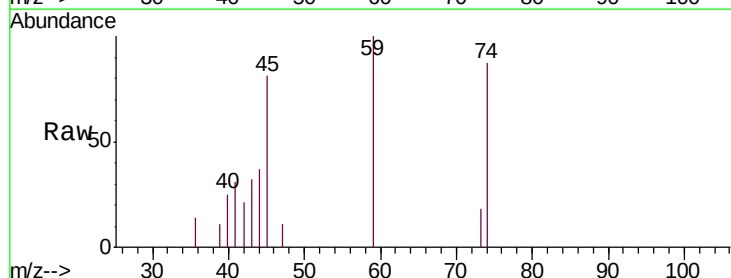
Acq: 07 Sep 2019 16:29

Tgt Ion: 74 Resp: 1518

Ion Ratio Lower Upper

74 100

45 136.6 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

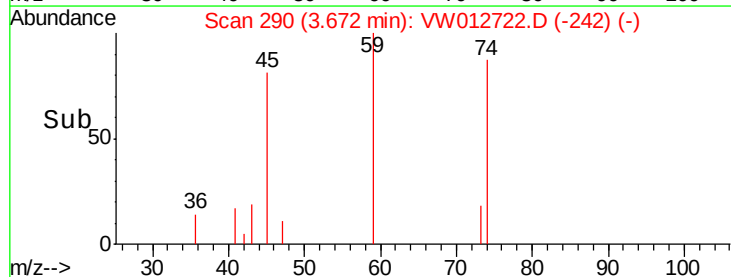
600

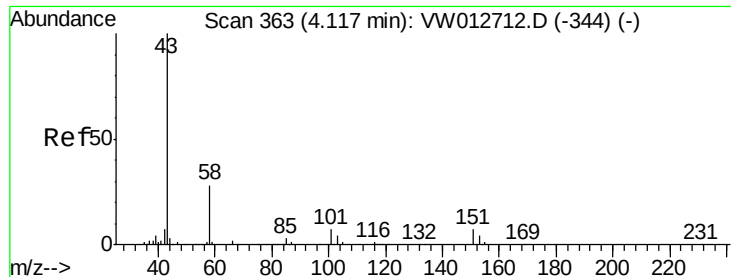
400

200

0

Time--> 3.60 3.65 3.70 3.75

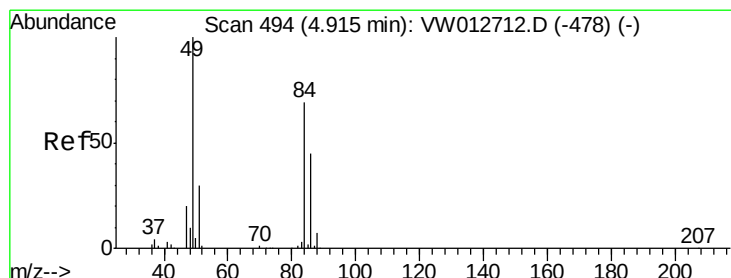
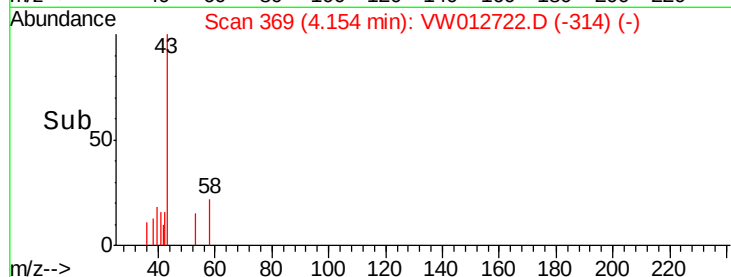
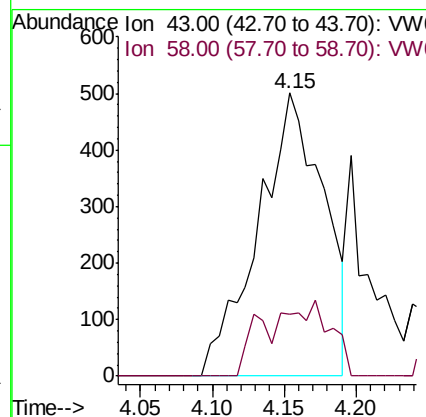
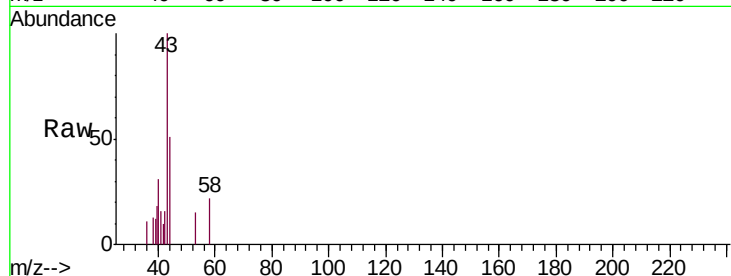




#16
Acetone
Concen: 2.320 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.04 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

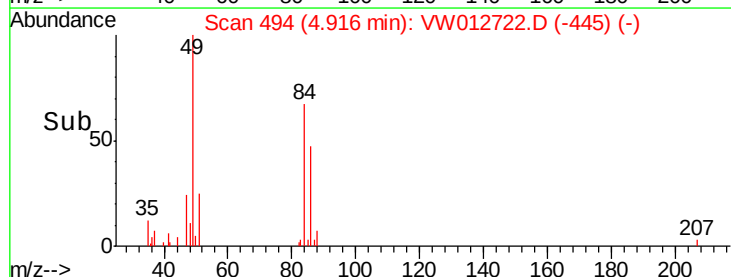
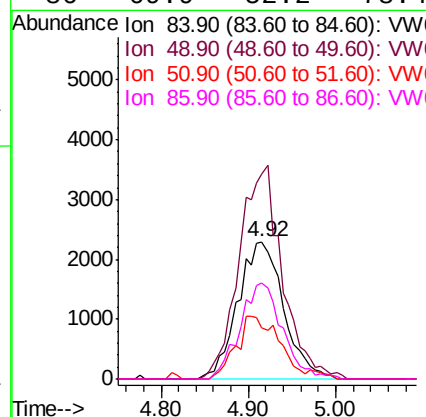
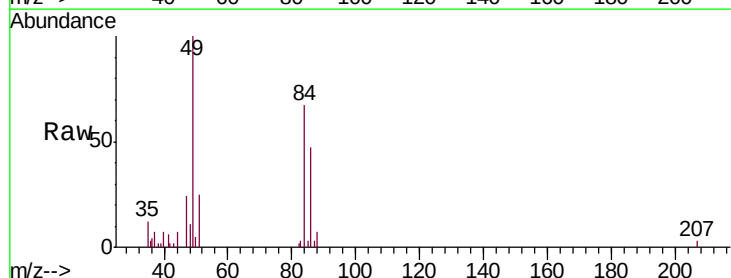
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(0)

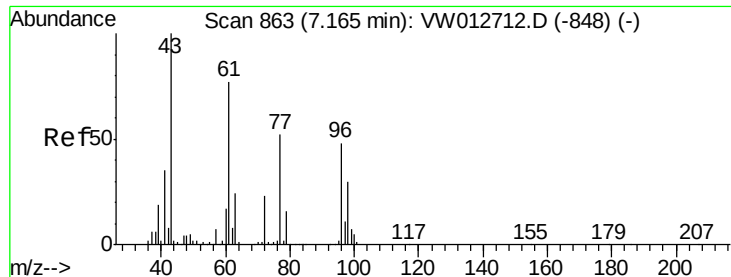
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
58 22.0 22.6 33.8#



#20
Methylene Chloride
Concen: 3.887 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

Tgt Ion: 84 Resp: 8296
Ion Ratio Lower Upper
84 100
49 149.0 115.4 173.0
51 37.7 34.9 52.3
86 69.9 52.2 78.4





#25

2-Butanone

Concen: 19.845 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

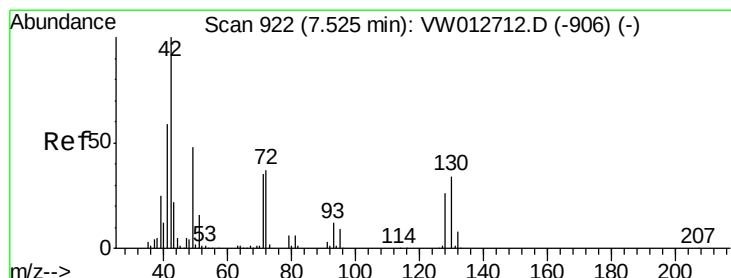
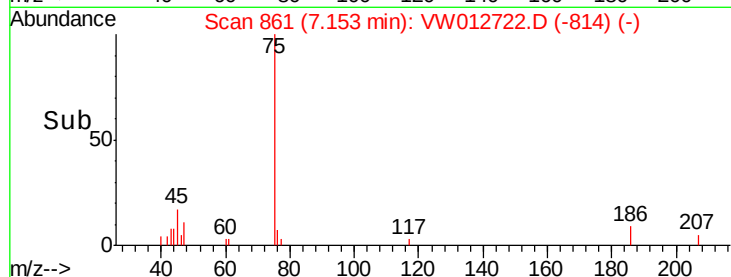
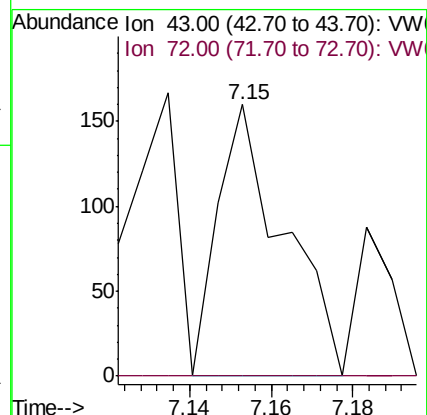
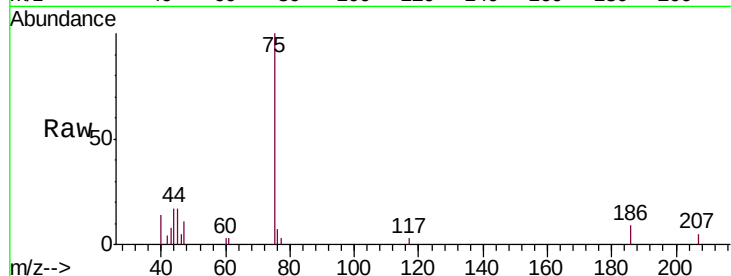
T12-D4-(0)

Tgt Ion: 43 Resp: 180

Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



#29

Tetrahydrofuran

Concen: 6.945 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.02 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

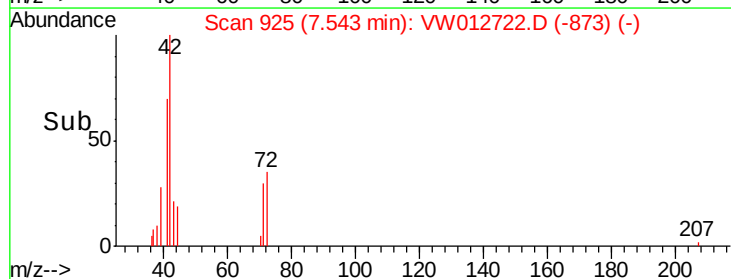
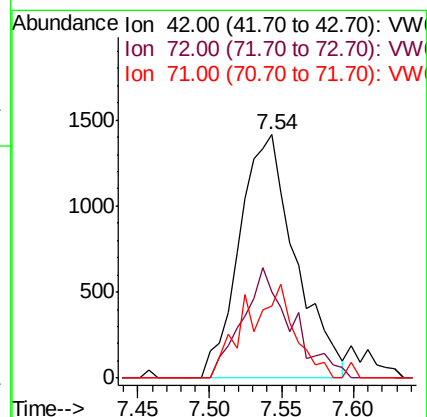
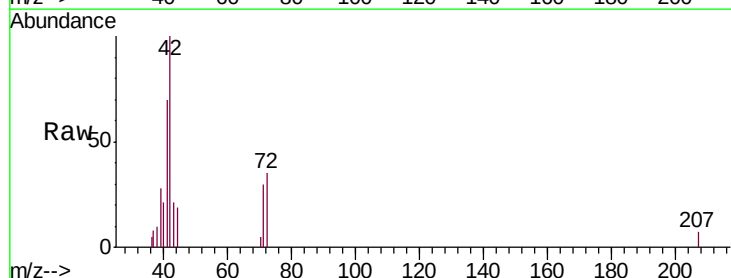
Tgt Ion: 42 Resp: 3826

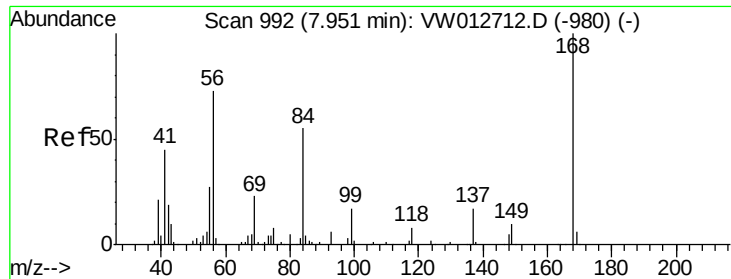
Ion Ratio Lower Upper

42 100

72 39.8 28.4 42.6

71 33.7 27.1 40.7

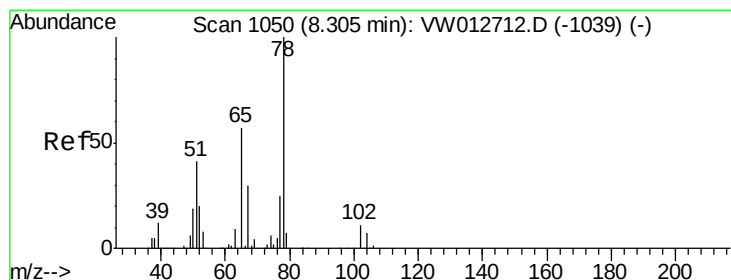
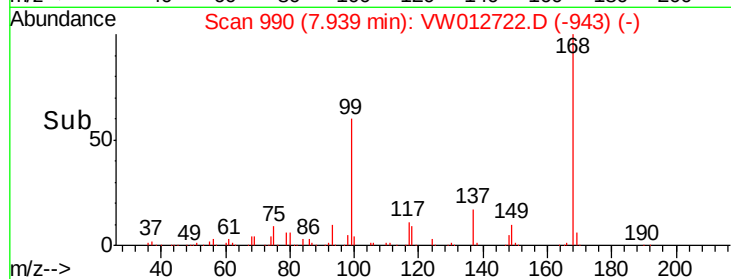
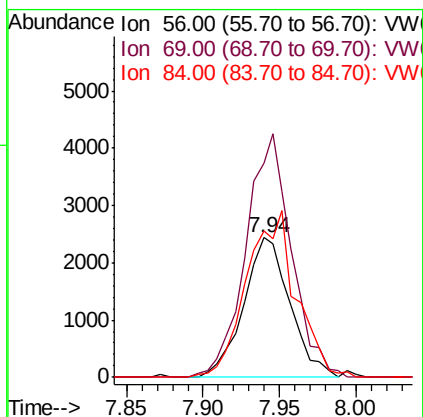
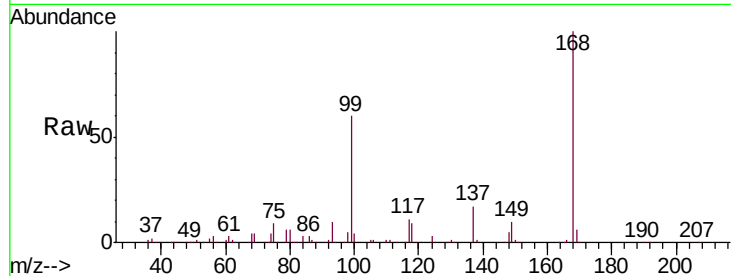




#31
Cyclohexane
Concen: 1.395 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

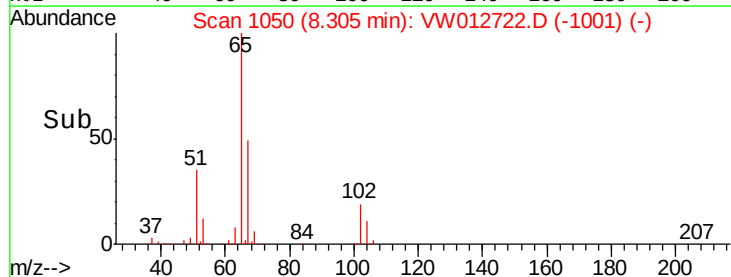
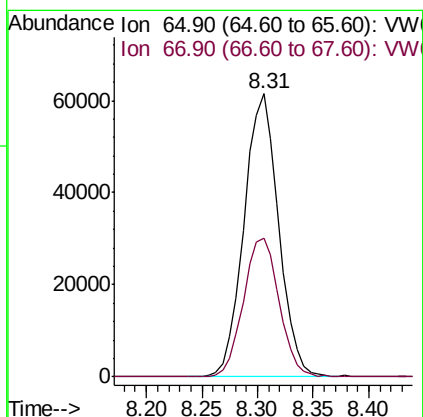
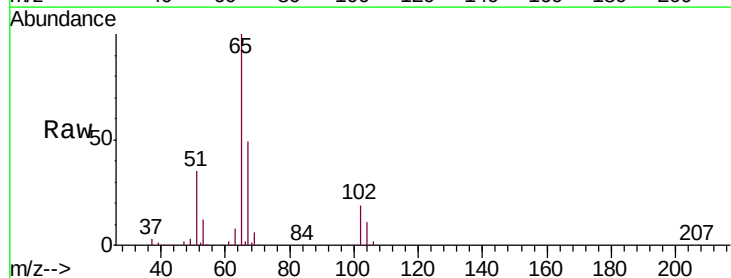
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(0)

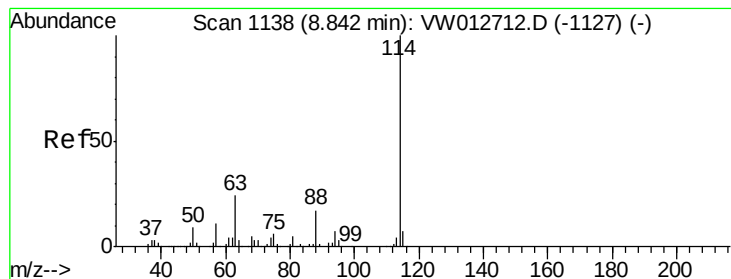
Tgt Ion: 56 Resp: 5130
Ion Ratio Lower Upper
56 100
69 153.6 25.7 38.5#
84 104.8 60.4 90.6#



#33
1,2-Dichloroethane-d4
Concen: 53.108 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

Tgt Ion: 65 Resp: 132905
Ion Ratio Lower Upper
65 100
67 50.7 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: VW012722.D

Acq: 07 Sep 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

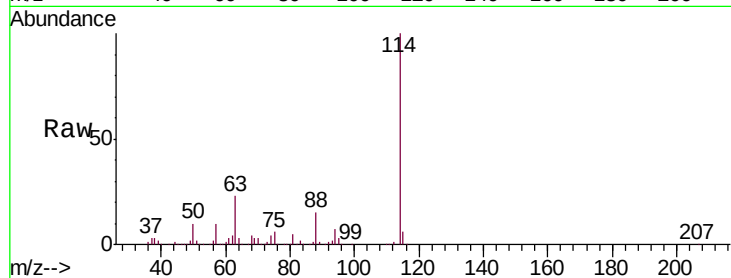
Tgt Ion:114 Resp: 347975

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.2

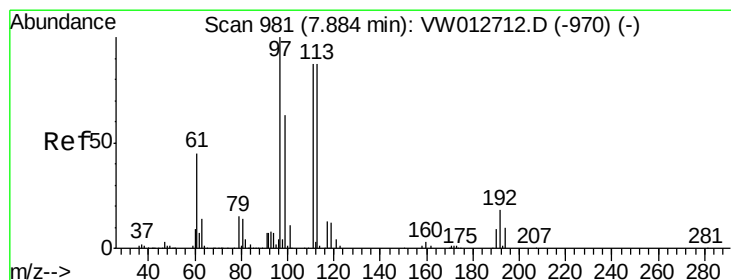
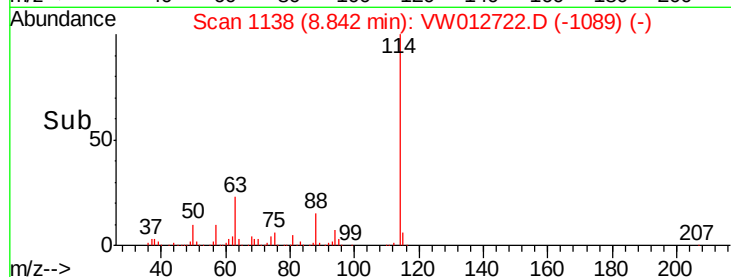
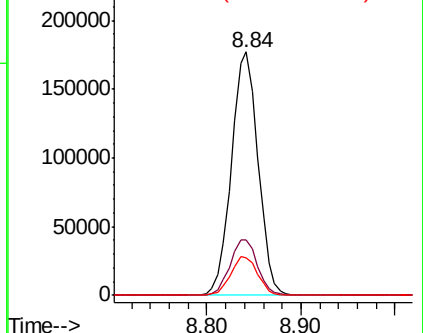
88 15.4 0.0 34.0



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: 49.421 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

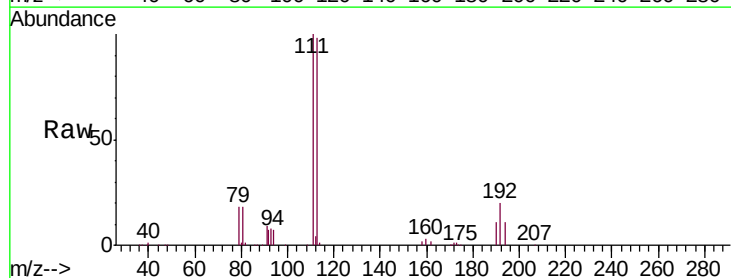
Tgt Ion:113 Resp: 102243

Ion Ratio Lower Upper

113 100

111 104.8 80.2 120.4

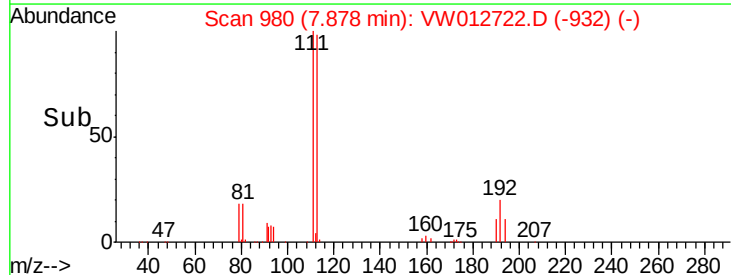
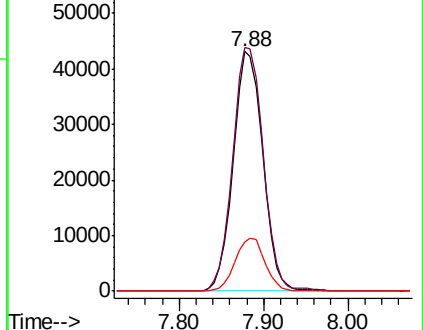
192 22.3 17.3 25.9

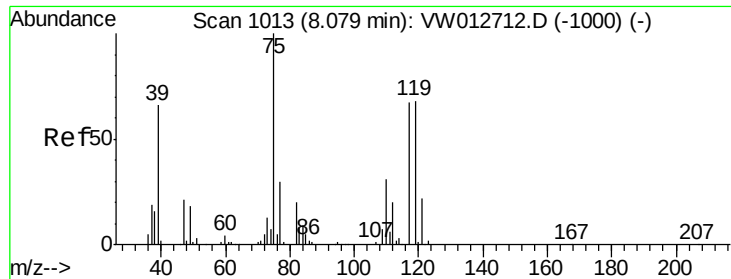


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.950 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

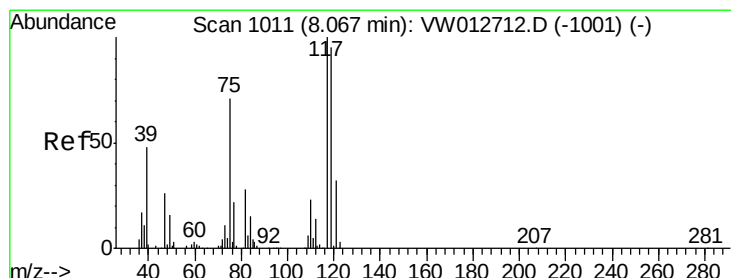
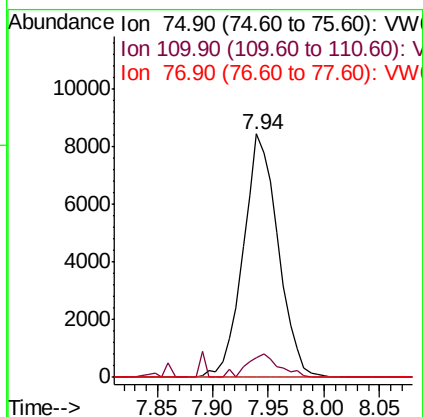
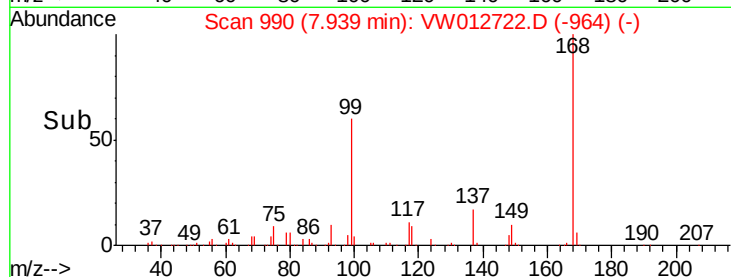
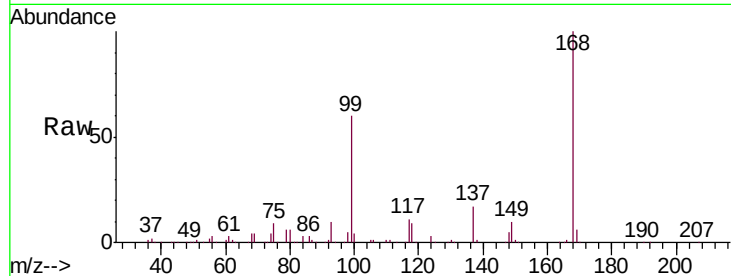
Tgt Ion: 75 Resp: 18396

Ion Ratio Lower Upper

75 100

110 9.1 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.589 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

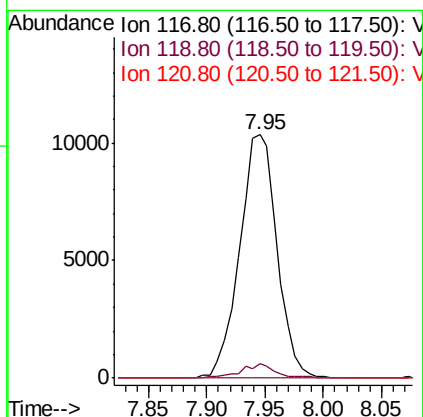
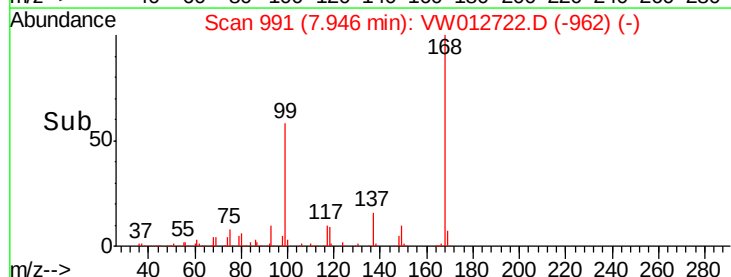
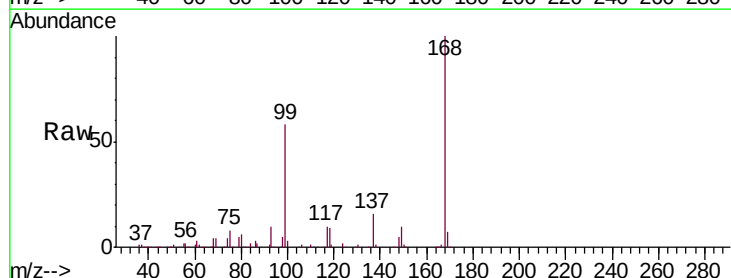
Tgt Ion: 117 Resp: 23131

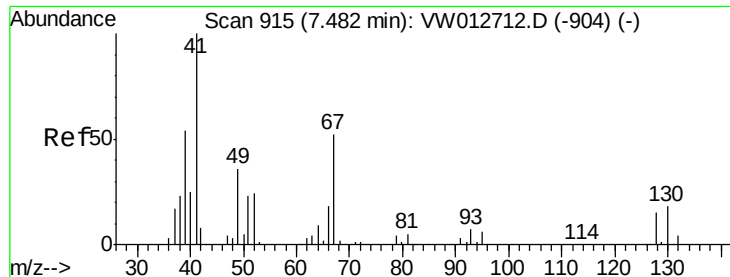
Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

121 0.0 25.4 38.2#

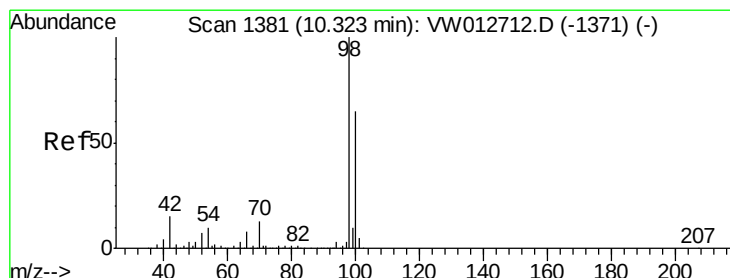
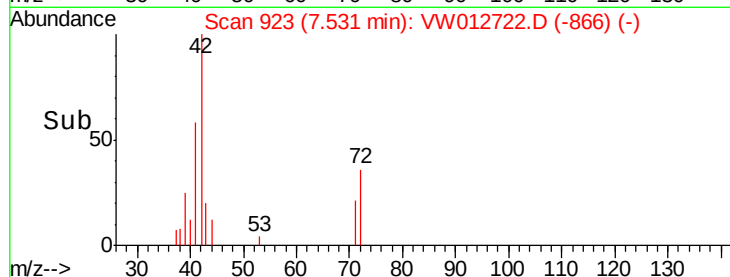
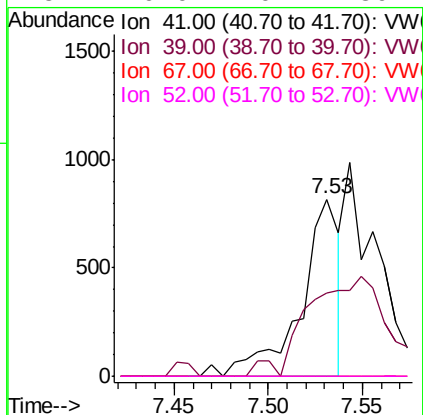
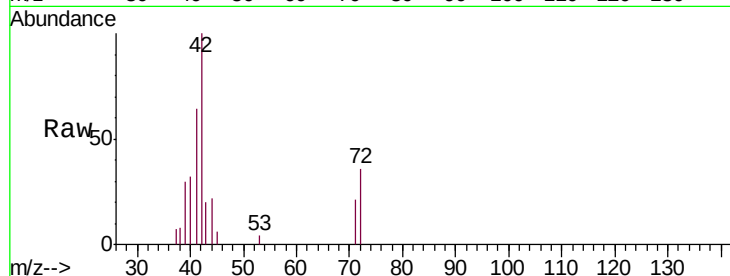




#41
Methacrylonitrile
Concen: 4.651 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

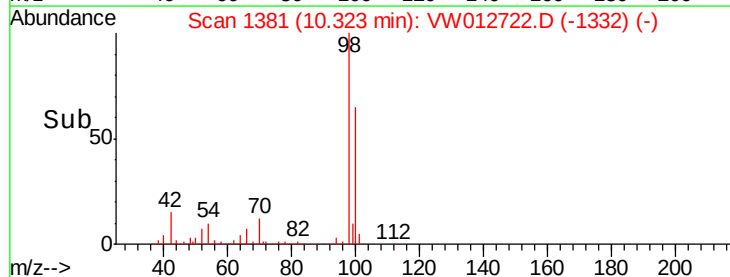
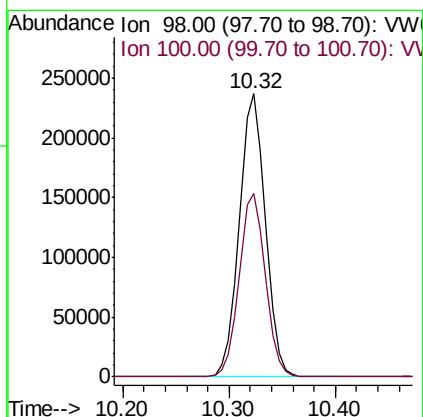
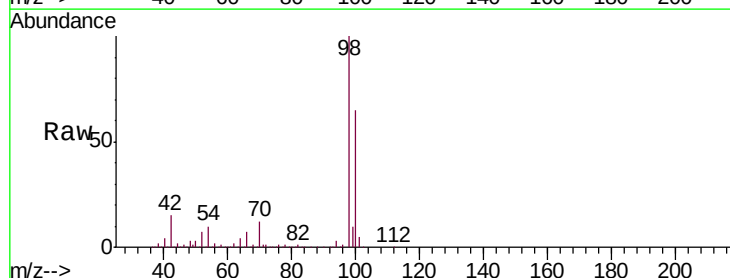
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(0)

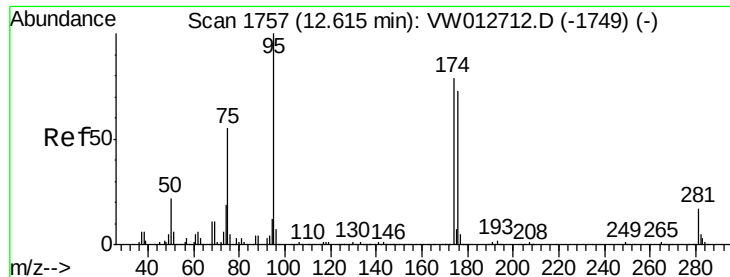
Tgt Ion:	41	Resp:	1179
Ion	Ratio	Lower	Upper
41	100		
39	116.5	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 50.503 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012722.D
Acq: 07 Sep 2019 16:29

Tgt Ion:	98	Resp:	409330
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.4





#62

4-Bromofluorobenzene

Concen: 42.091 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

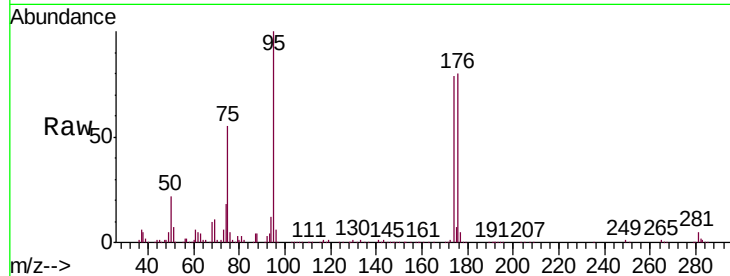
Tgt Ion: 95 Resp: 123850

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.0

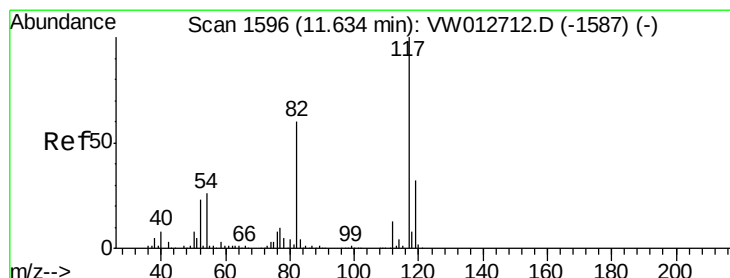
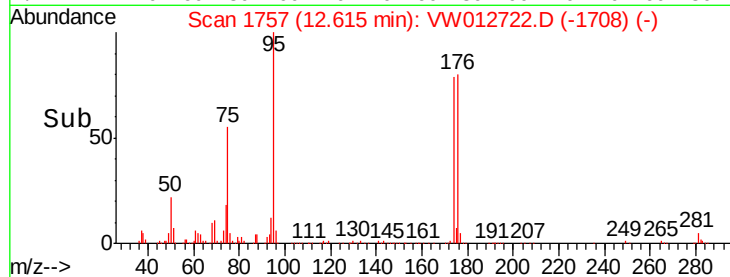
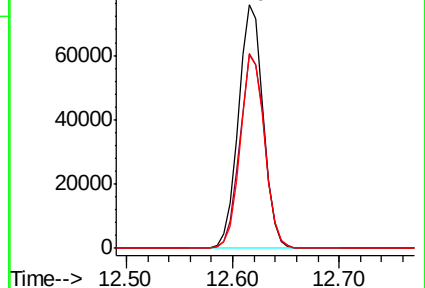
176 78.1 0.0 156.4



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# 1595

Delta R.T. -0.01 min

Lab File: VW012722.D

Acq: 07 Sep 2019 16:29

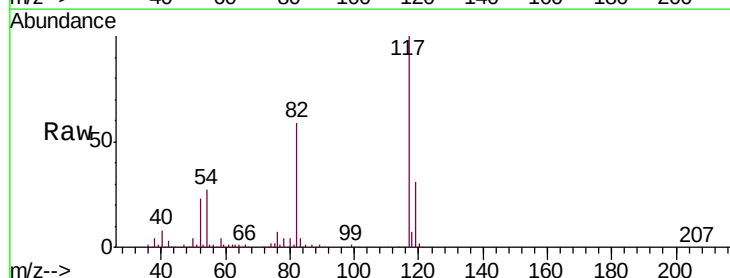
Tgt Ion: 117 Resp: 275861

Ion Ratio Lower Upper

117 100

82 59.5 48.2 72.4

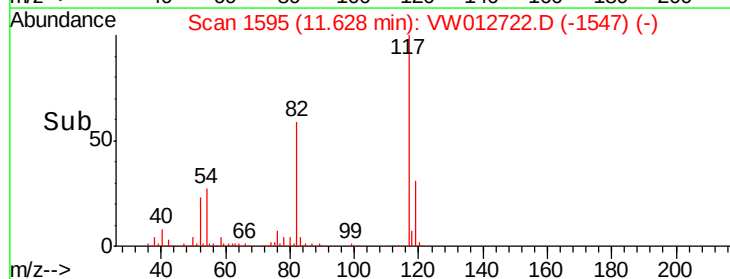
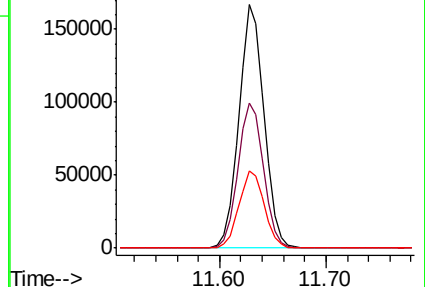
119 31.5 25.8 38.6

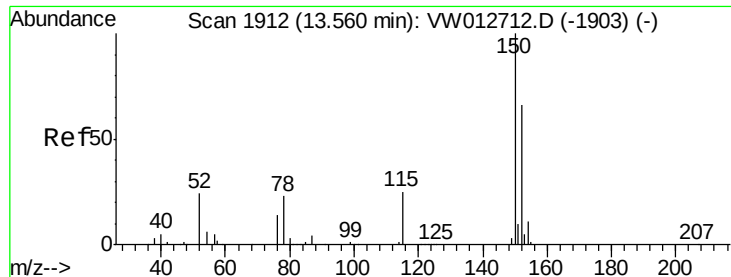


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

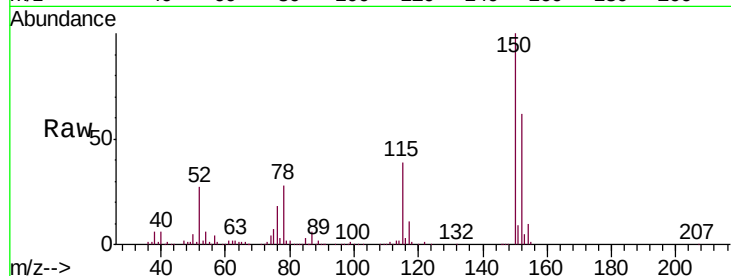




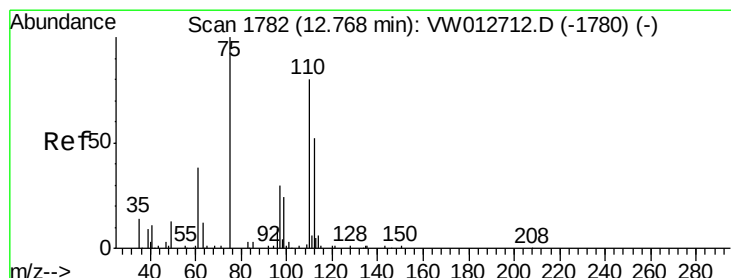
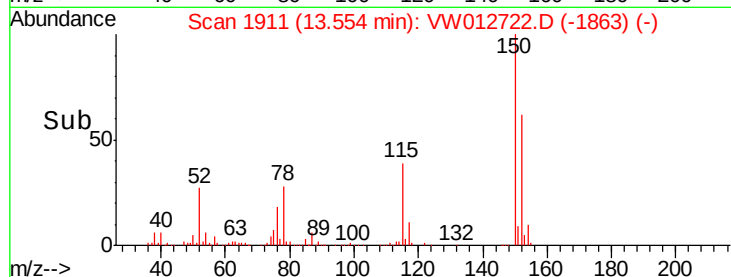
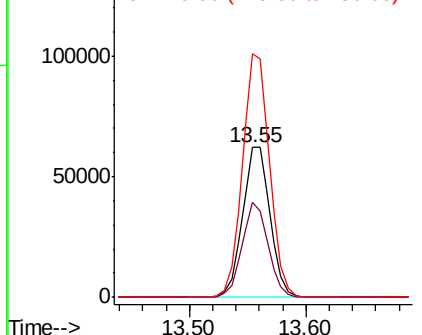
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW012722.D
 Acq: 07 Sep 2019 16:29

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(0)

Tgt Ion: 152 Resp: 102145
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.0 90.1
 150 160.2 0.0 349.0

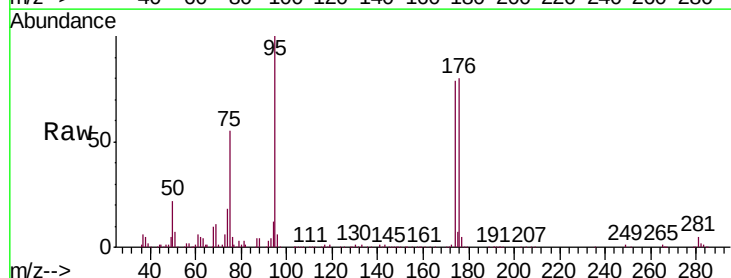


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

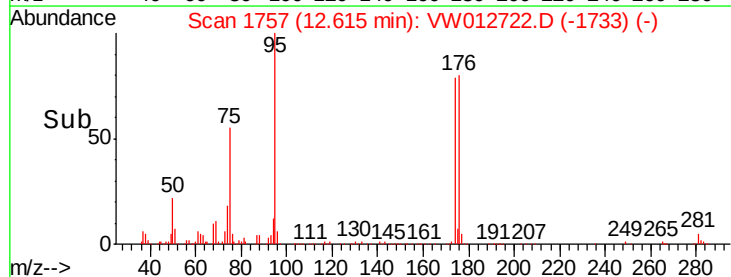
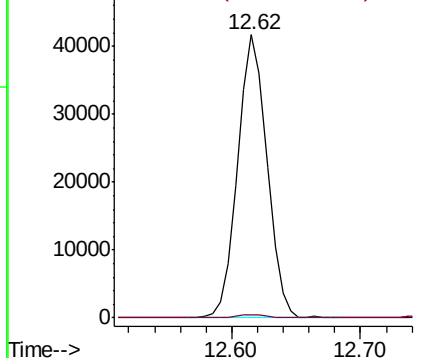


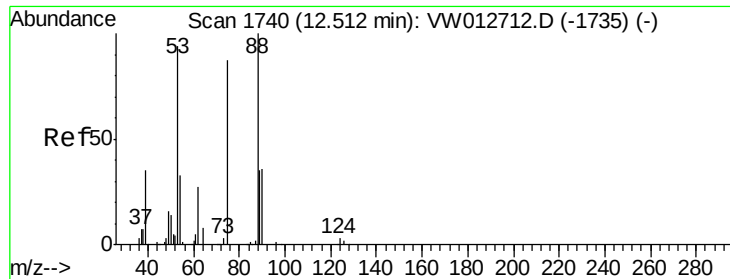
#76
 1,2,3-Trichloropropane
 Concen: 63.004 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012722.D
 Acq: 07 Sep 2019 16:29

Tgt Ion: 75 Resp: 65806
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 77.00 (76.70 to 77.70): VW

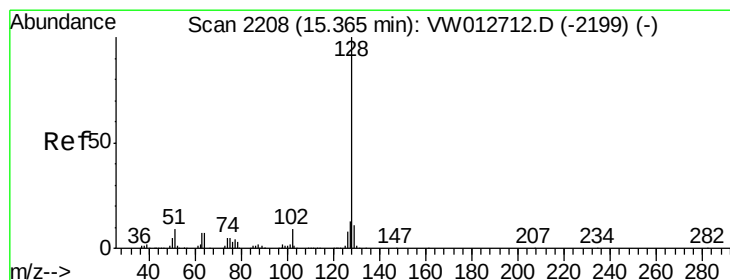
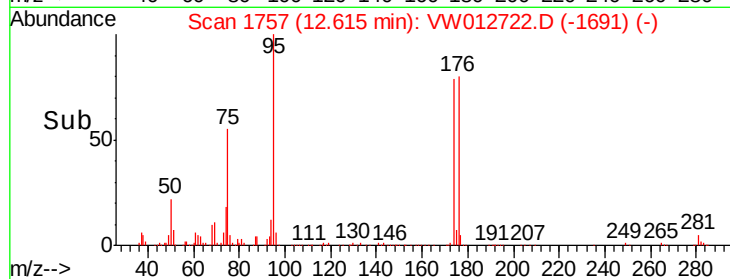
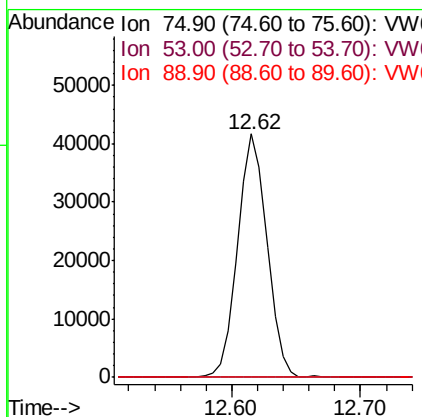
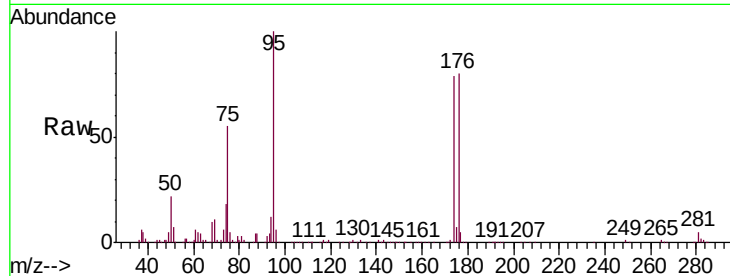




#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.257 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012722.D
 Acq: 07 Sep 2019 16:29

Instrument :
 MSVOA_W
 ClientSampled :
 T12-D4-(0)

Tgt Ion: 75 Resp: 65806
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.1 35.5 53.3#



#95
 Naphthalene
 Concen: 4.604 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW012722.D
 Acq: 07 Sep 2019 16:29

Tgt Ion: 128 Resp: 774
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.7 16.1
 129 3.0 8.7 13.1#

