

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012239.D
 Acq On : 28 Aug 2019 07:08
 Operator : SY/VA
 Sample : K4472-11
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S3(0)

Quant Time: Aug 28 07:33:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	474565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133512	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	176755	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.88	113	142833	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.32	98	571679	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.62	95	171908	42.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.92%	

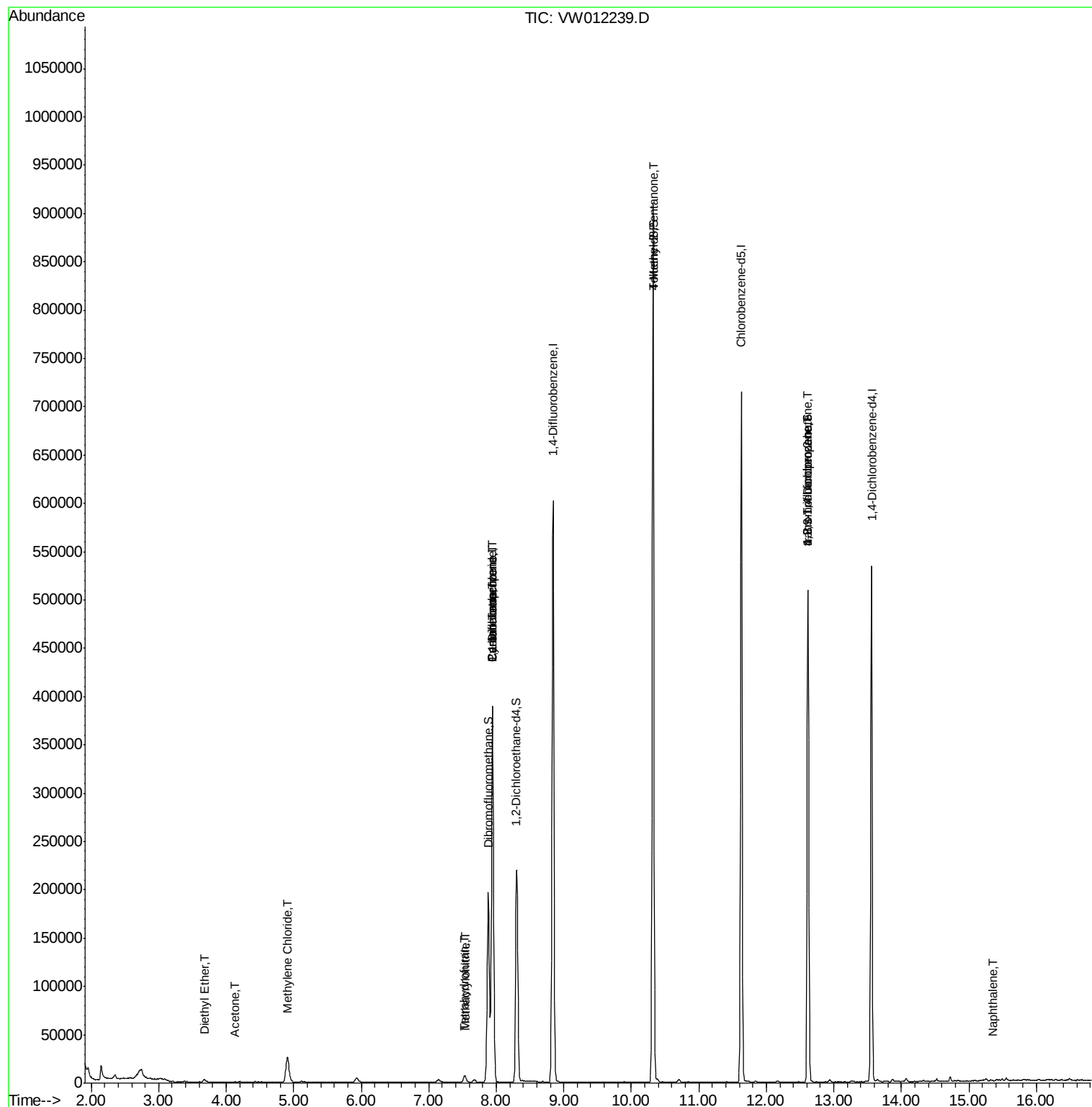
Target Compounds						Qvalue
8) Diethyl Ether	3.68	74	1618	1.009	ug/l	70
16) Acetone	4.13	43	1150	1.313	ug/l #	76
20) Methylene Chloride	4.91	84	18713	5.653	ug/l	99
29) Tetrahydrofuran	7.52	42	6289	8.809	ug/l	95
31) Cyclohexane	7.95	56	7159	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	23975	4.889	ug/l #	52
38) Carbon Tetrachloride	7.95	117	28598	6.738	ug/l #	17
41) Methacrylonitrile	7.54	41	3989	2.526	ug/l #	56
51) 4-Methyl-2-Pentanone	10.32	43	3391	1.339	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	90679	69.736	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90679	152.900	ug/l #	6
95) Naphthalene	15.36	128	366	4.387	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012239.D

Acq: 28 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

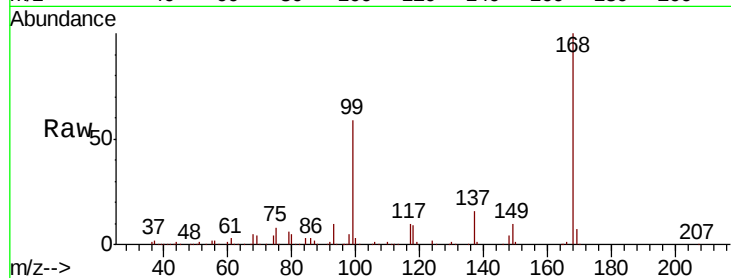
T2-S3(0)

Tgt Ion:168 Resp: 288182

Ion Ratio Lower Upper

168 100

99 58.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

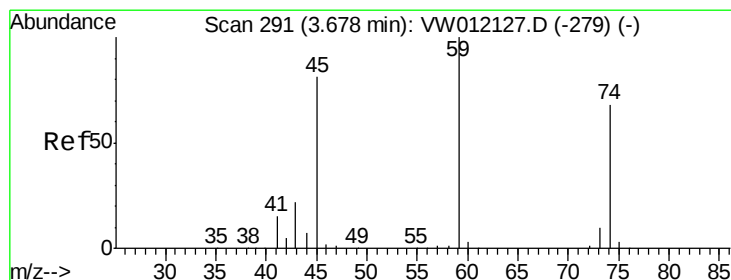
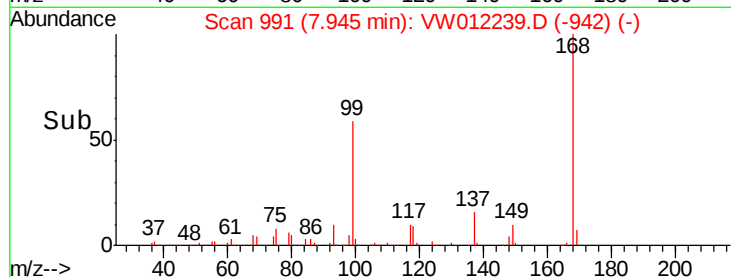
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.009 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012239.D

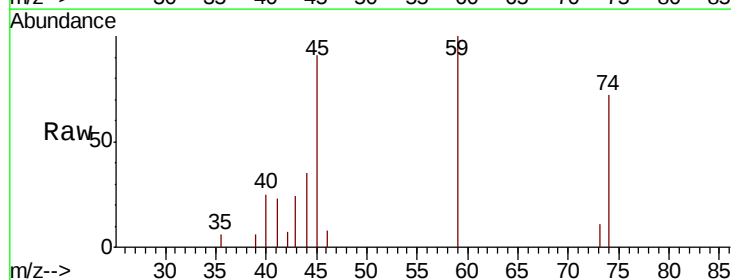
Acq: 28 Aug 2019 07:08

Tgt Ion: 74 Resp: 1618

Ion Ratio Lower Upper

74 100

45 151.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

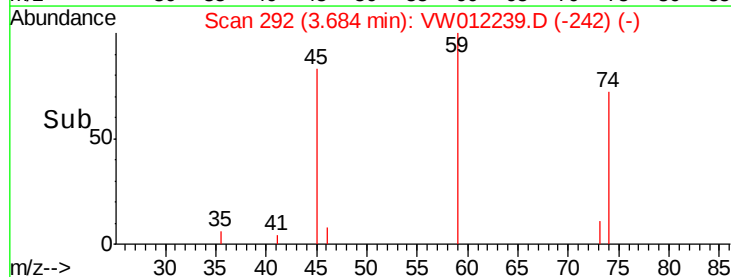
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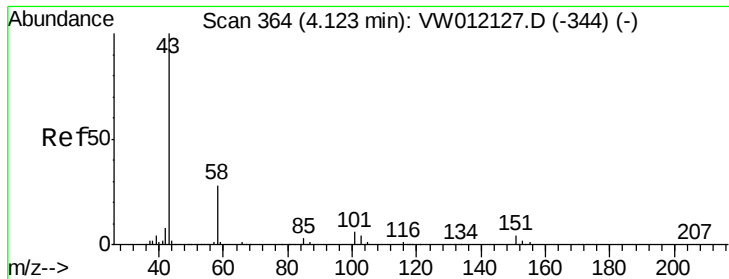
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200

0

Time-->

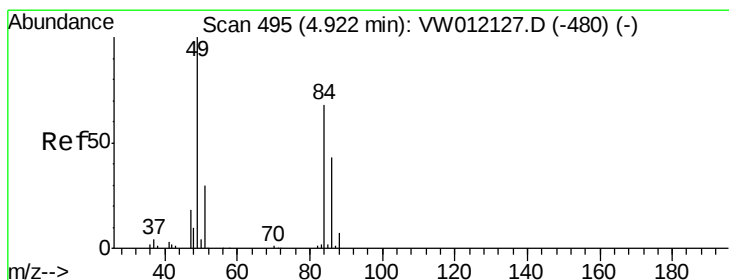
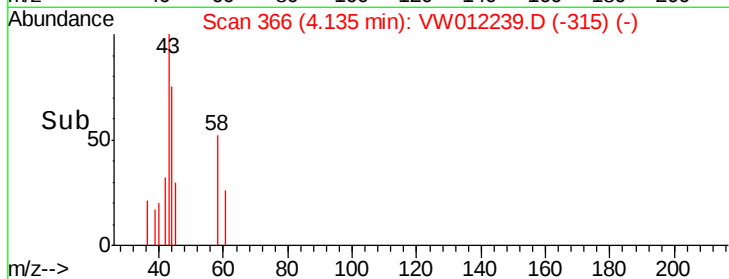
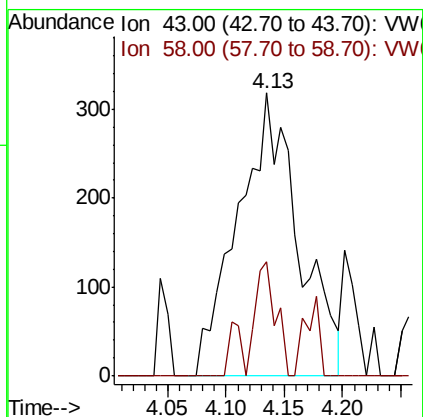
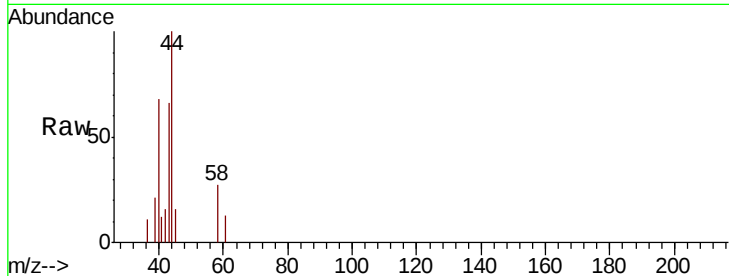




#16
Acetone
Concen: 1.313 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

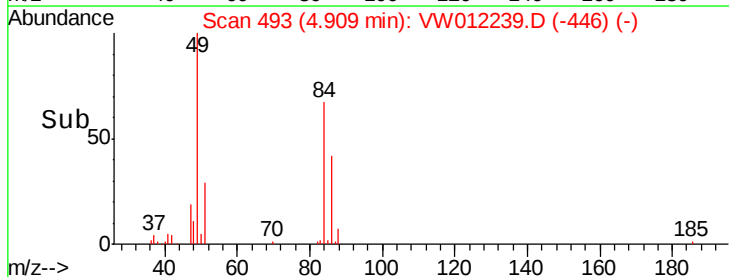
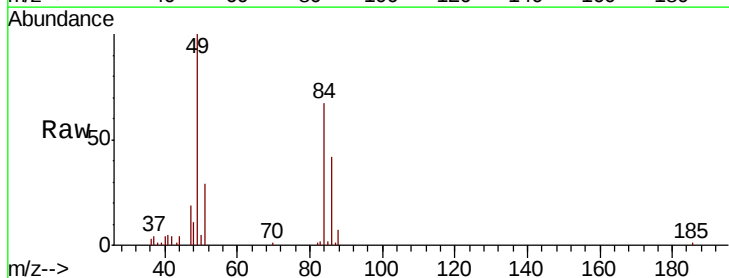
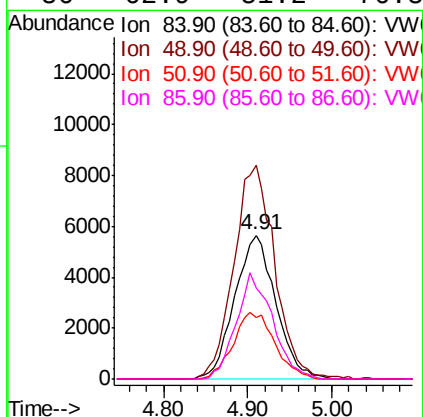
Instrument :
MSVOA_W
ClientSampled :
T2-S3(0)

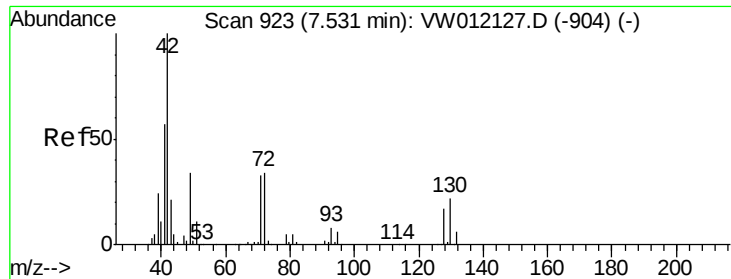
Tgt Ion: 43 Resp: 1150
Ion Ratio Lower Upper
43 100
58 40.6 22.4 33.6#



#20
Methylene Chloride
Concen: 5.653 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

Tgt Ion: 84 Resp: 18713
Ion Ratio Lower Upper
84 100
49 148.3 117.8 176.8
51 42.4 35.6 53.4
86 62.9 51.2 76.8

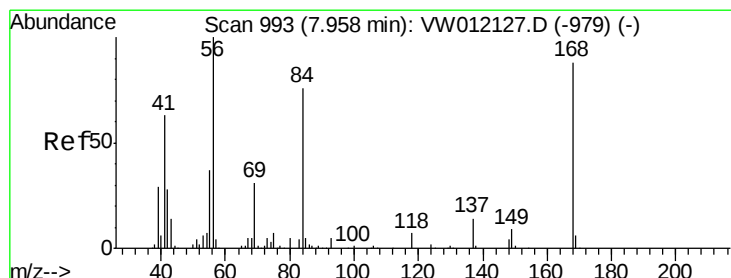
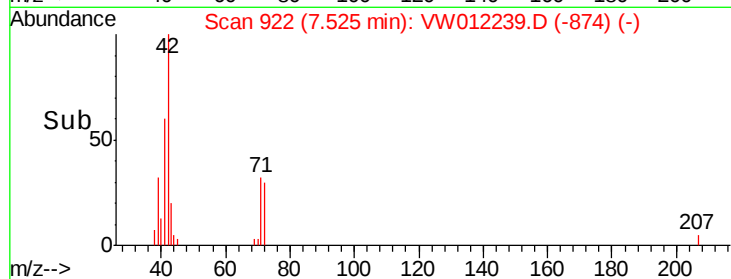
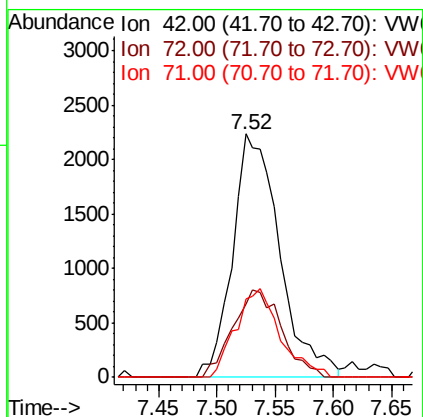
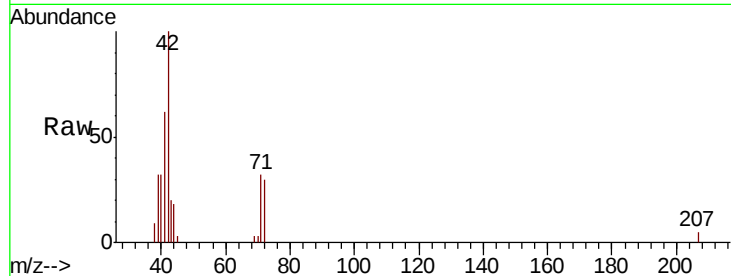




#29
Tetrahydrofuran
Concen: 8.809 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

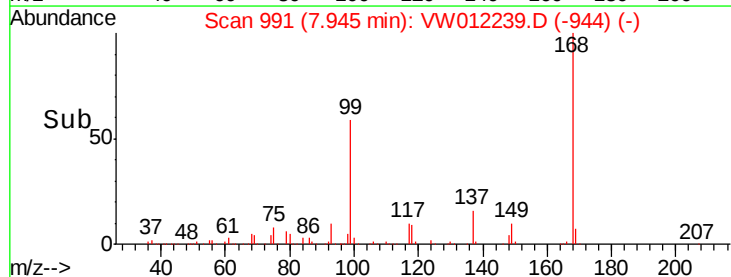
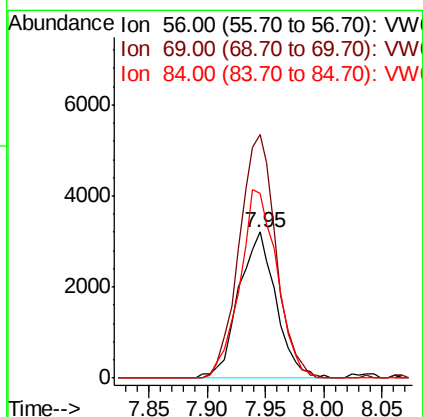
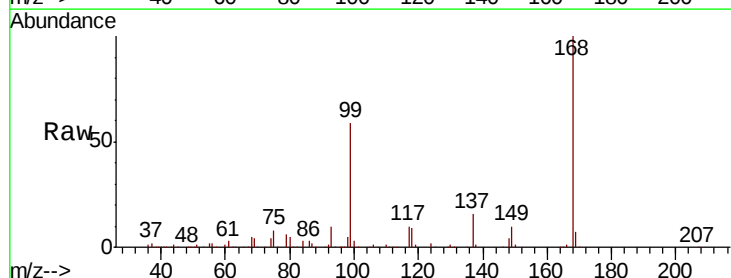
Instrument :
MSVOA_W
ClientSampleId :
T2-S3(0)

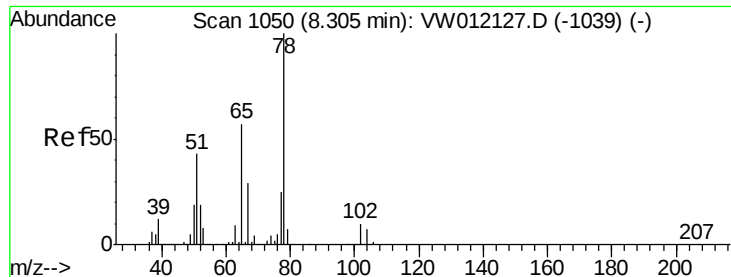
Tgt Ion: 42 Resp: 6289
Ion Ratio Lower Upper
42 100
72 37.0 27.3 40.9
71 34.3 25.5 38.3



#31
Cyclohexane
Concen: 1.160 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

Tgt Ion: 56 Resp: 7159
Ion Ratio Lower Upper
56 100
69 166.7 24.9 37.3#
84 126.1 60.6 90.8#

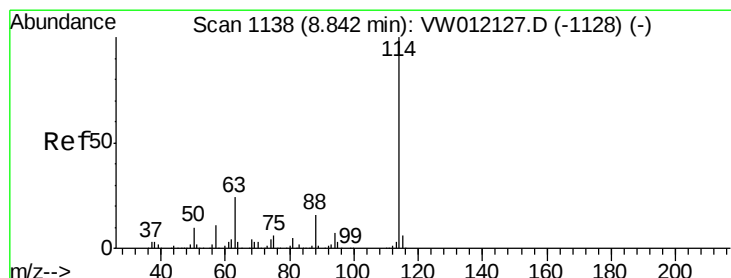
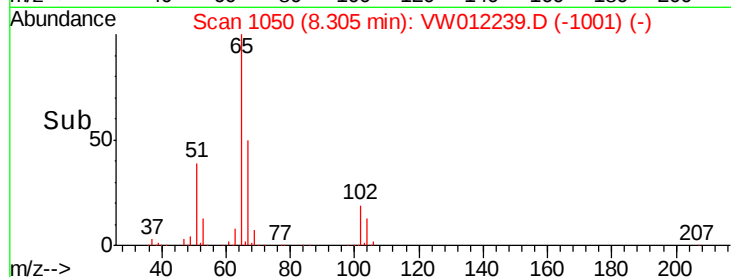
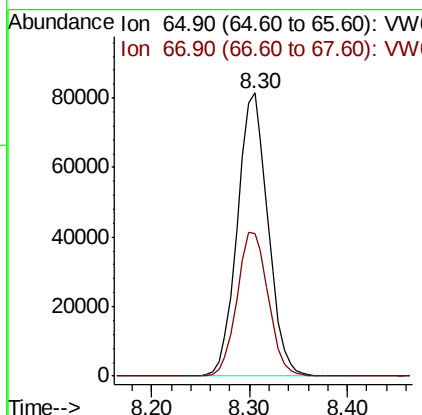
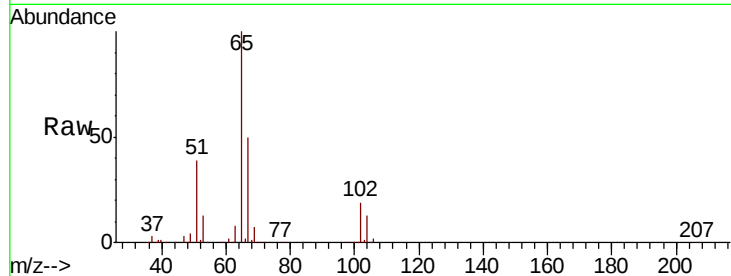




#33
 1,2-Dichloroethane-d4
 Concen: 51.596 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012239.D
 Acq: 28 Aug 2019 07:08

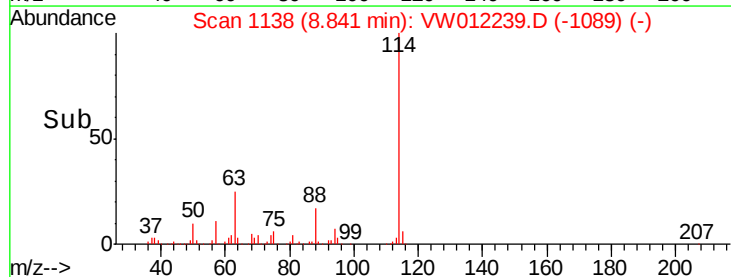
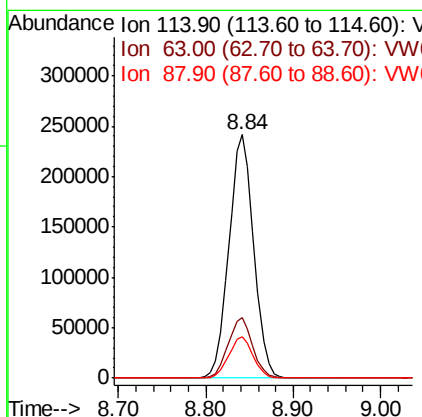
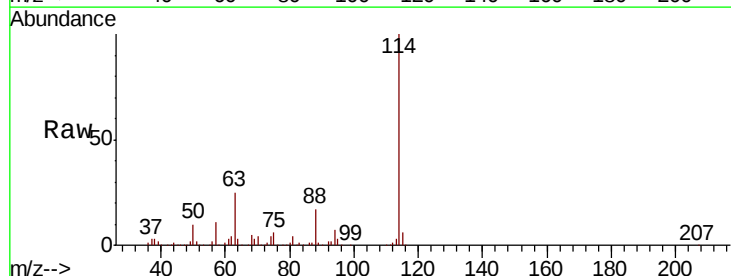
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S3(0)

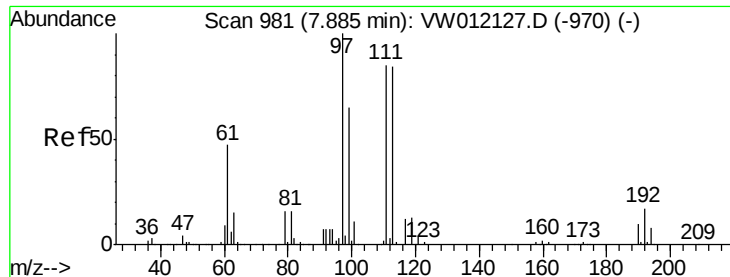
Tgt Ion: 65 Resp: 176755
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012239.D
 Acq: 28 Aug 2019 07:08

Tgt Ion: 114 Resp: 474565
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.6
 88 16.8 0.0 32.2

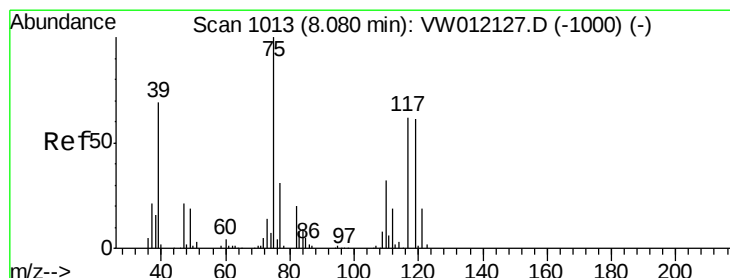
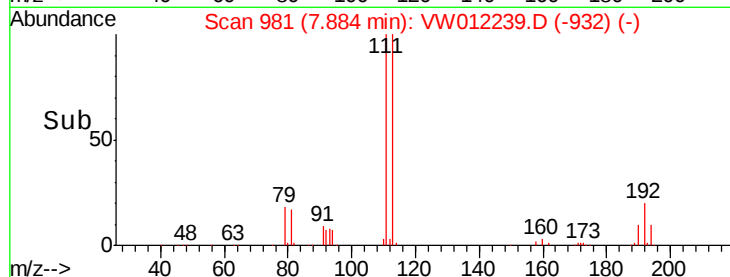
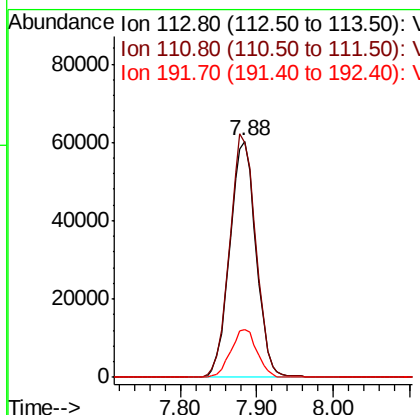
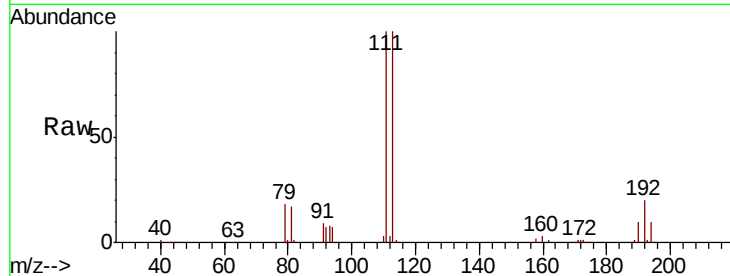




#35
 Dibromofluoromethane
 Concen: 50.423 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012239.D
 Acq: 28 Aug 2019 07:08

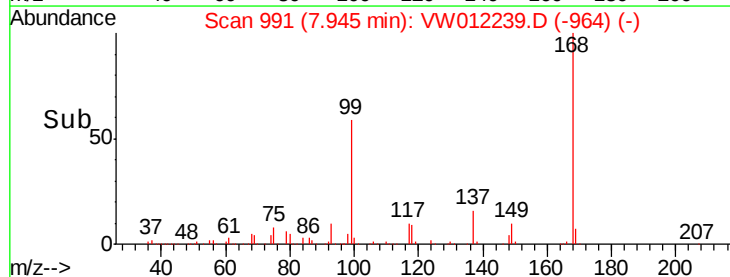
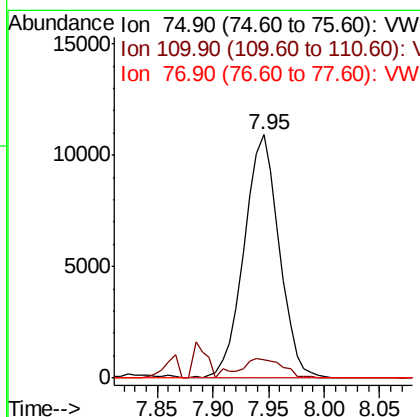
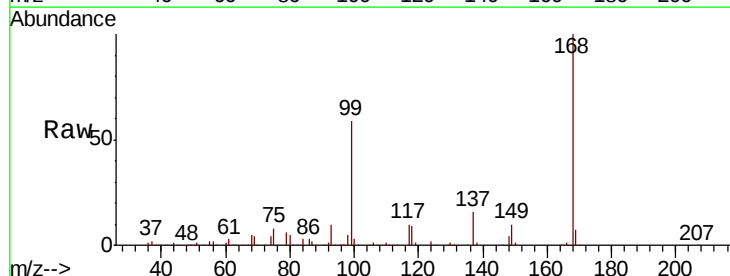
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S3(0)

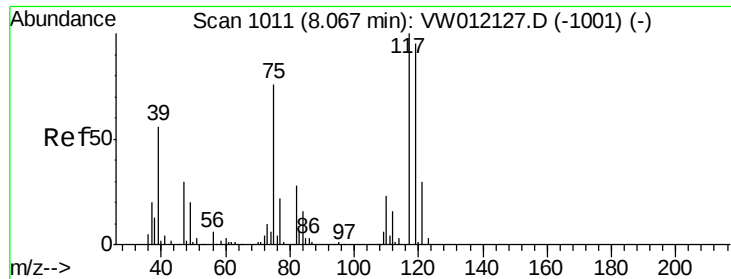
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.7	124.1
192	20.3	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012239.D
 Acq: 28 Aug 2019 07:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.6	36.8#

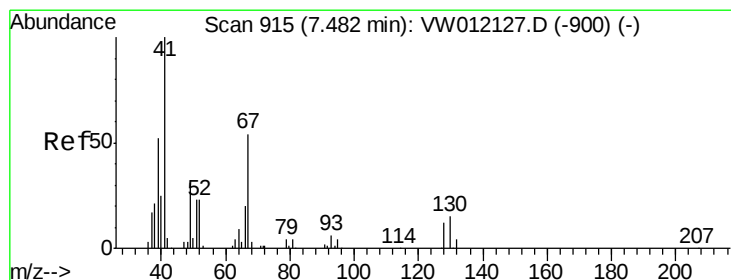
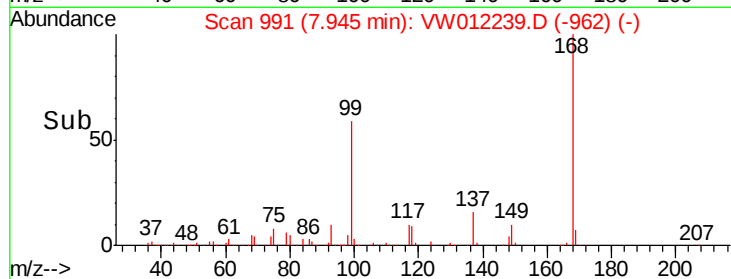
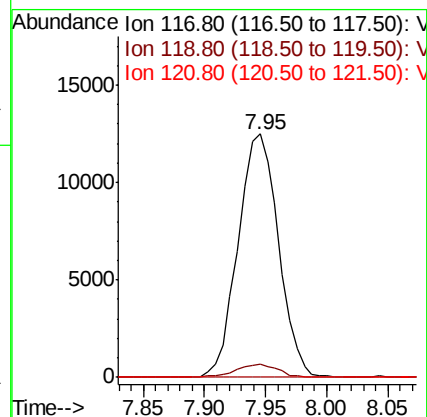
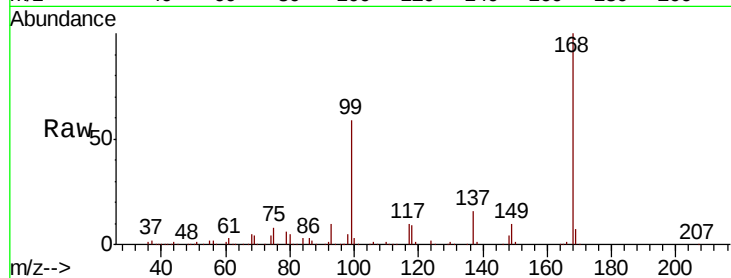




#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

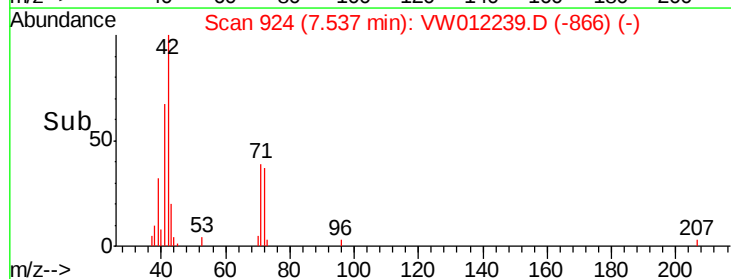
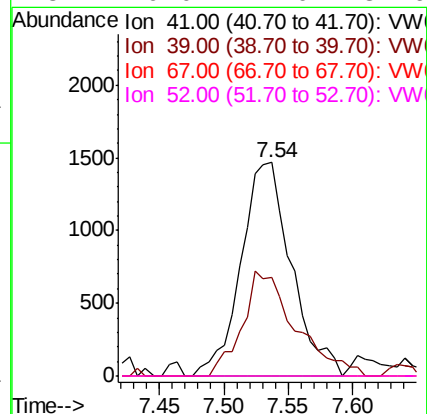
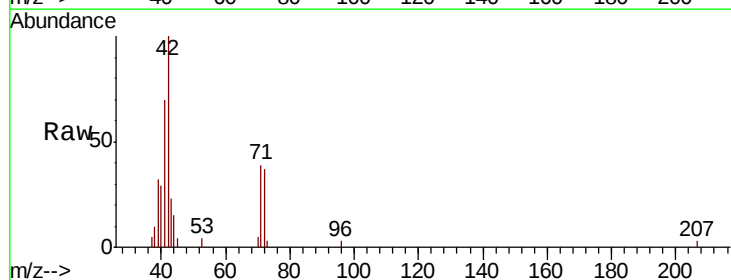
Instrument :
MSVOA_W
ClientSampleId :
T2-S3(0)

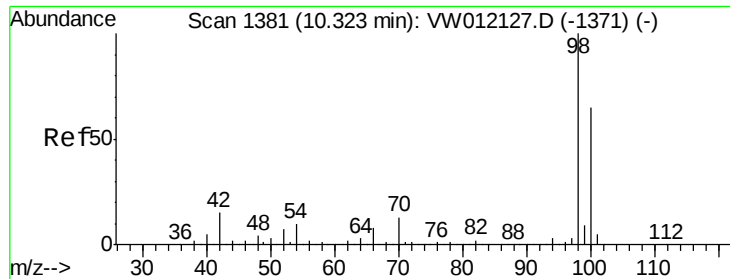
Tgt Ion:117 Resp: 28598
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 2.526 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

Tgt Ion: 41 Resp: 3989
Ion Ratio Lower Upper
41 100
39 51.8 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#





#50

Toluene-d8

Concen: 49.773 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012239.D

Acq: 28 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

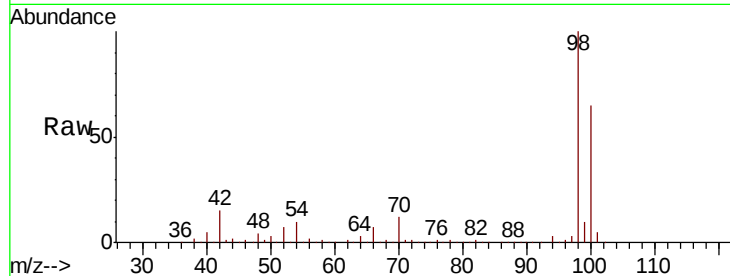
T2-S3(0)

Tgt Ion: 98 Resp: 571679

Ion Ratio Lower Upper

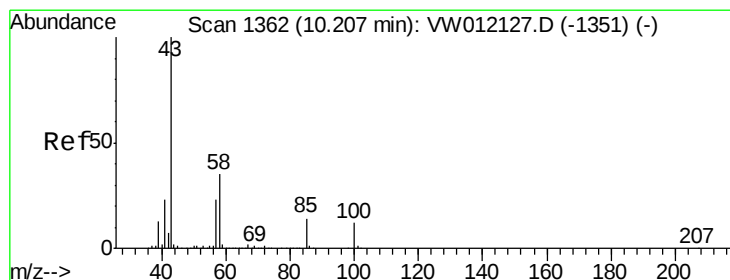
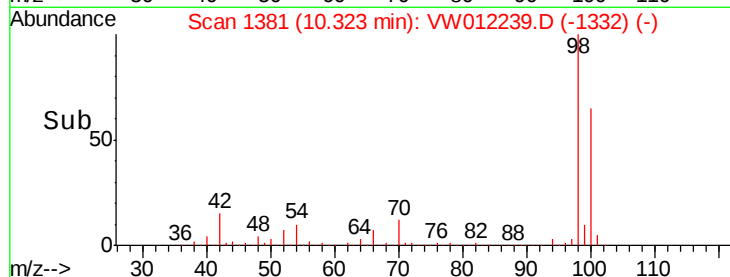
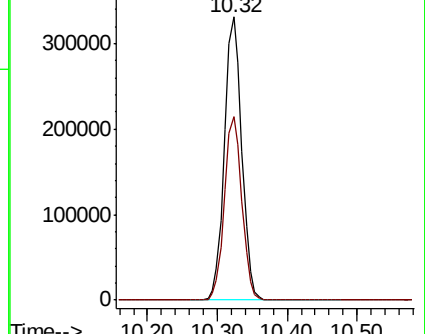
98 100

100 65.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.339 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012239.D

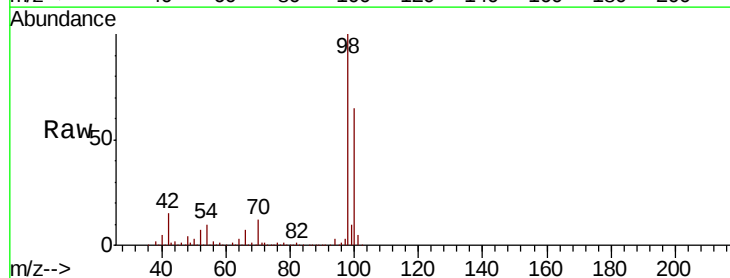
Acq: 28 Aug 2019 07:08

Tgt Ion: 43 Resp: 3391

Ion Ratio Lower Upper

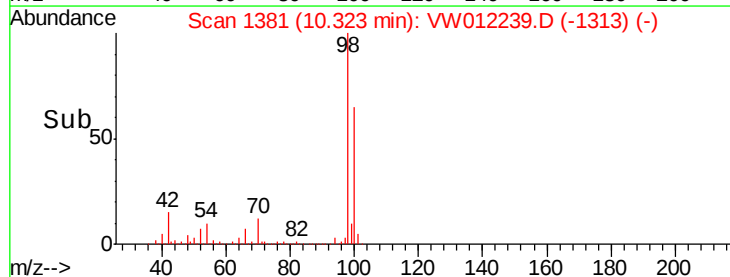
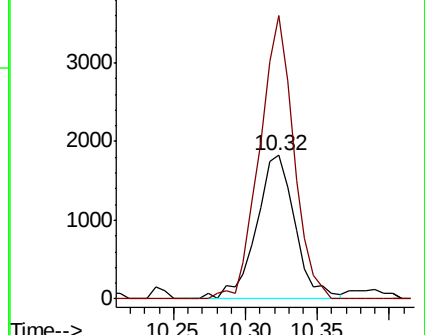
43 100

58 173.3 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 42.460 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012239.D

Acq: 28 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampled :

T2-S3(0)

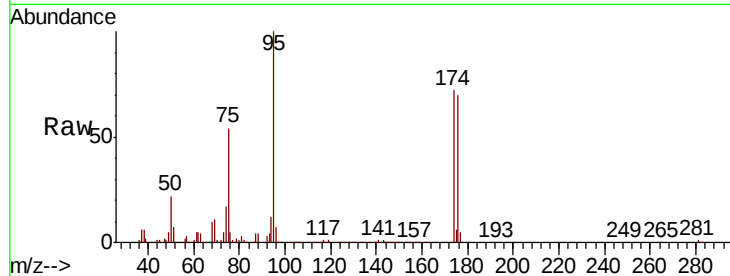
Tgt Ion: 95 Resp: 171908

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.8

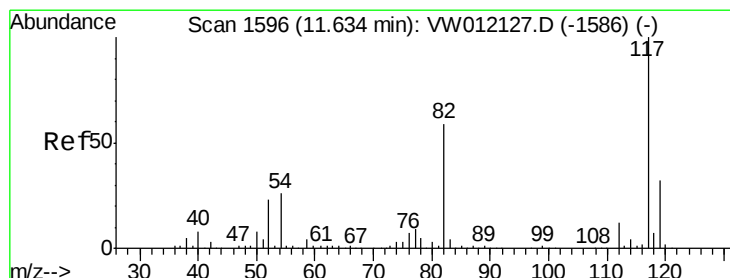
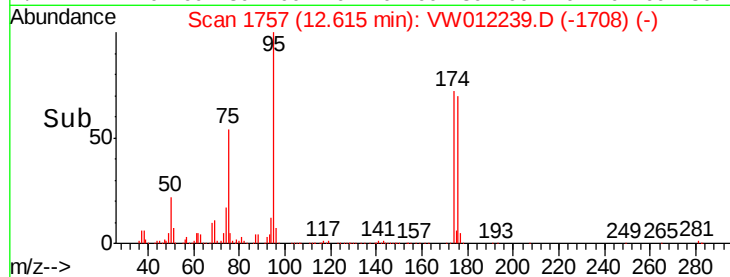
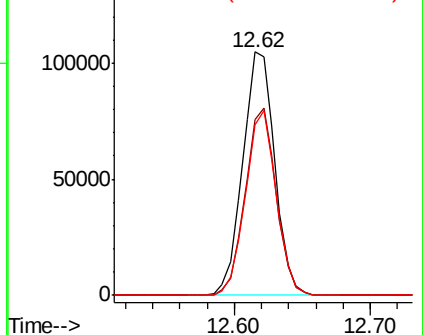
176 73.4 0.0 148.6



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: VW012239.D

Acq: 28 Aug 2019 07:08

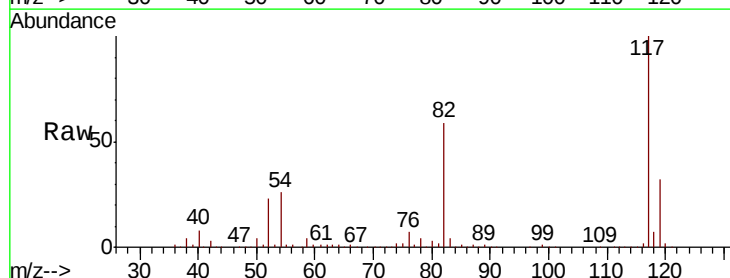
Tgt Ion: 117 Resp: 378223

Ion Ratio Lower Upper

117 100

82 59.5 47.4 71.2

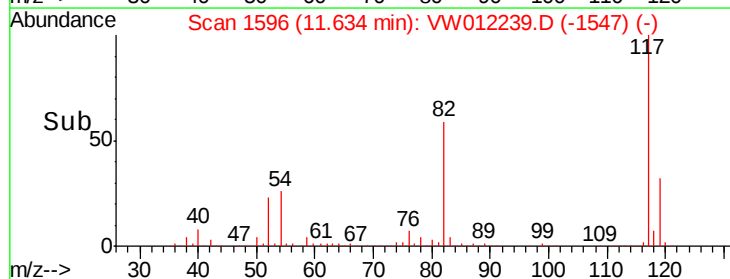
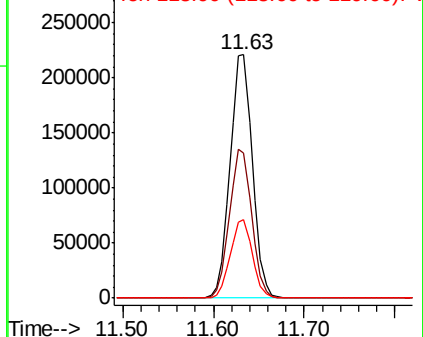
119 32.1 25.4 38.2

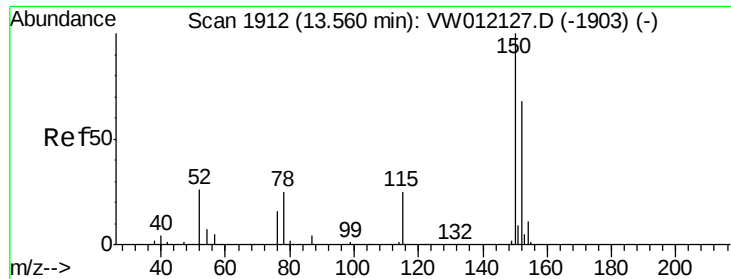


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012239.D

Acq: 28 Aug 2019 07:08

Instrument :

MSVOA_W

ClientSampleId :

T2-S3(0)

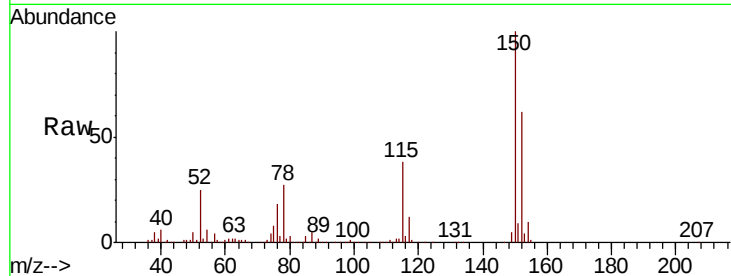
Tgt Ion:152 Resp: 133512

Ion Ratio Lower Upper

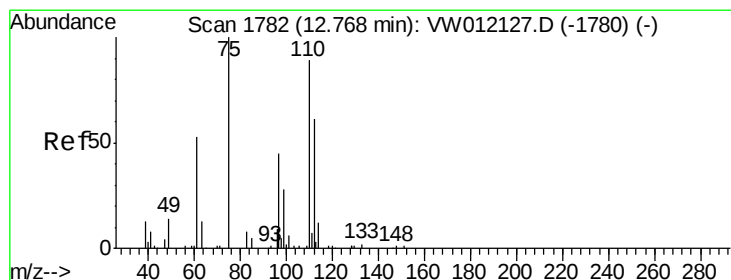
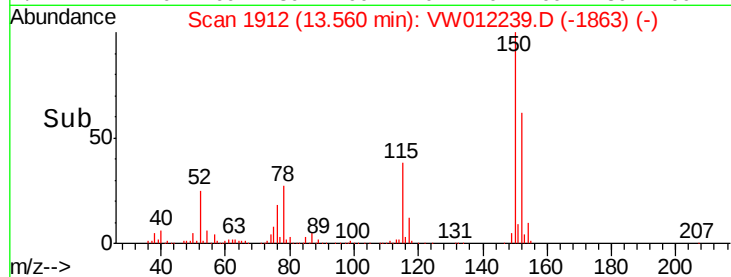
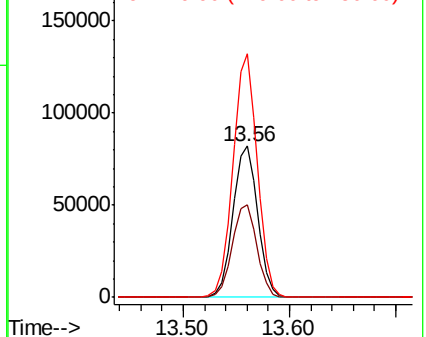
152 100

115 61.1 30.1 90.3

150 157.9 0.0 345.8



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: 69.736 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012239.D

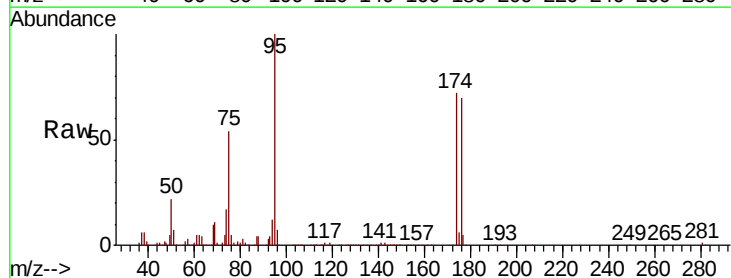
Acq: 28 Aug 2019 07:08

Tgt Ion: 75 Resp: 90679

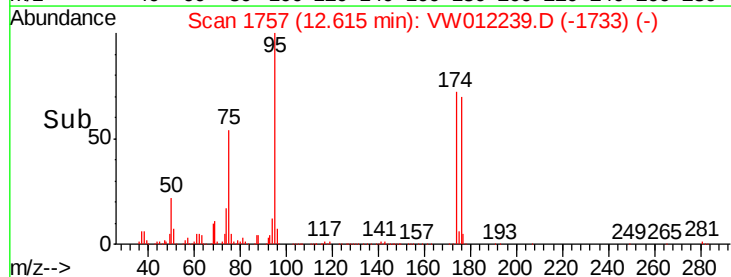
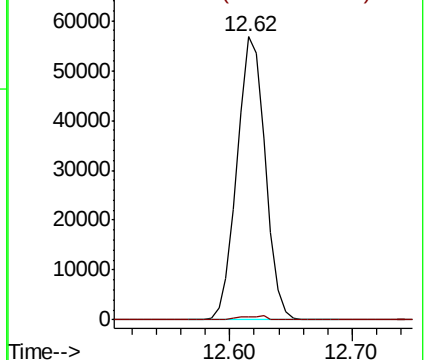
Ion Ratio Lower Upper

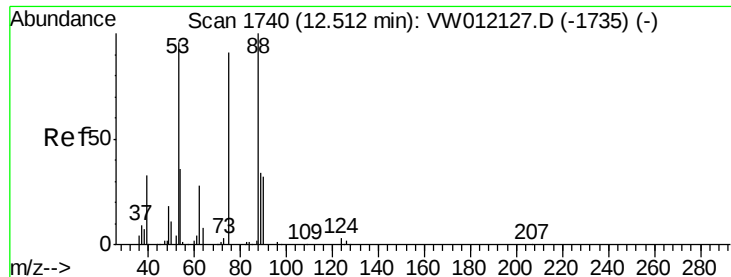
75 100

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

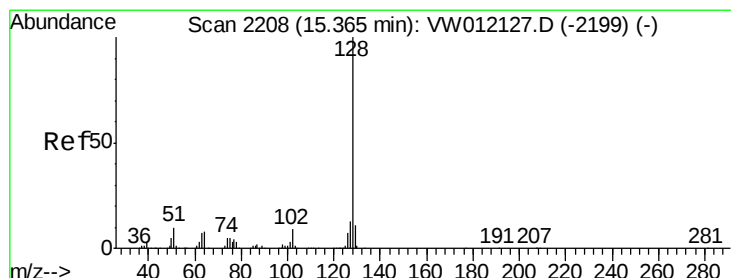
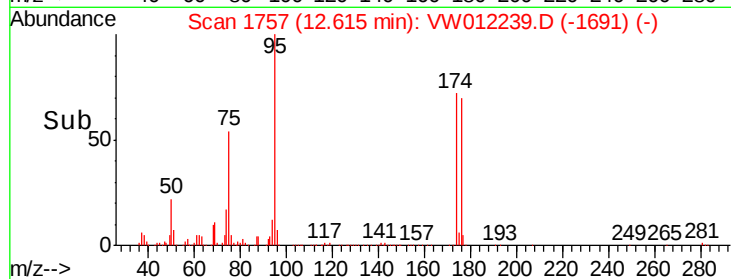
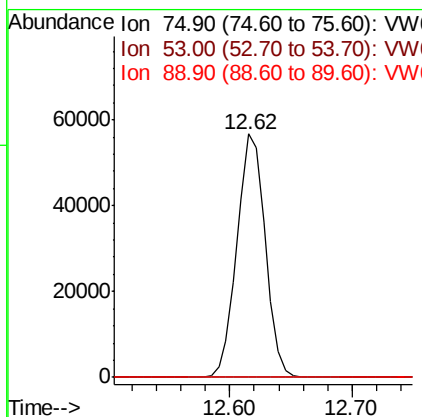
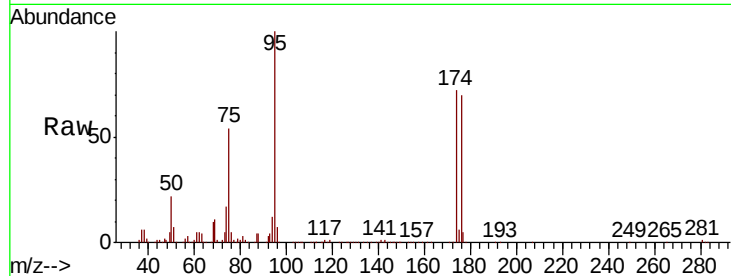




#81
trans-1,4-Dichloro-2-butene
Concen: 152.900 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

Instrument :
MSVOA_W
ClientSampleId :
T2-S3(0)

Tgt Ion: 75 Resp: 90679
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.387 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012239.D
Acq: 28 Aug 2019 07:08

Tgt Ion: 128 Resp: 366
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

