

Data File : VW012702.D
Acq On : 06 Sep 2019 20:49
Operator : SY/VA
Sample : K4581-15
Misc : 3.93G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Sep 07 04:43:08 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	66797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	93555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	75171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	25018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	35836	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.88	113	28629	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.32	98	109284	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	30242	37.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.78%	

Target Compounds

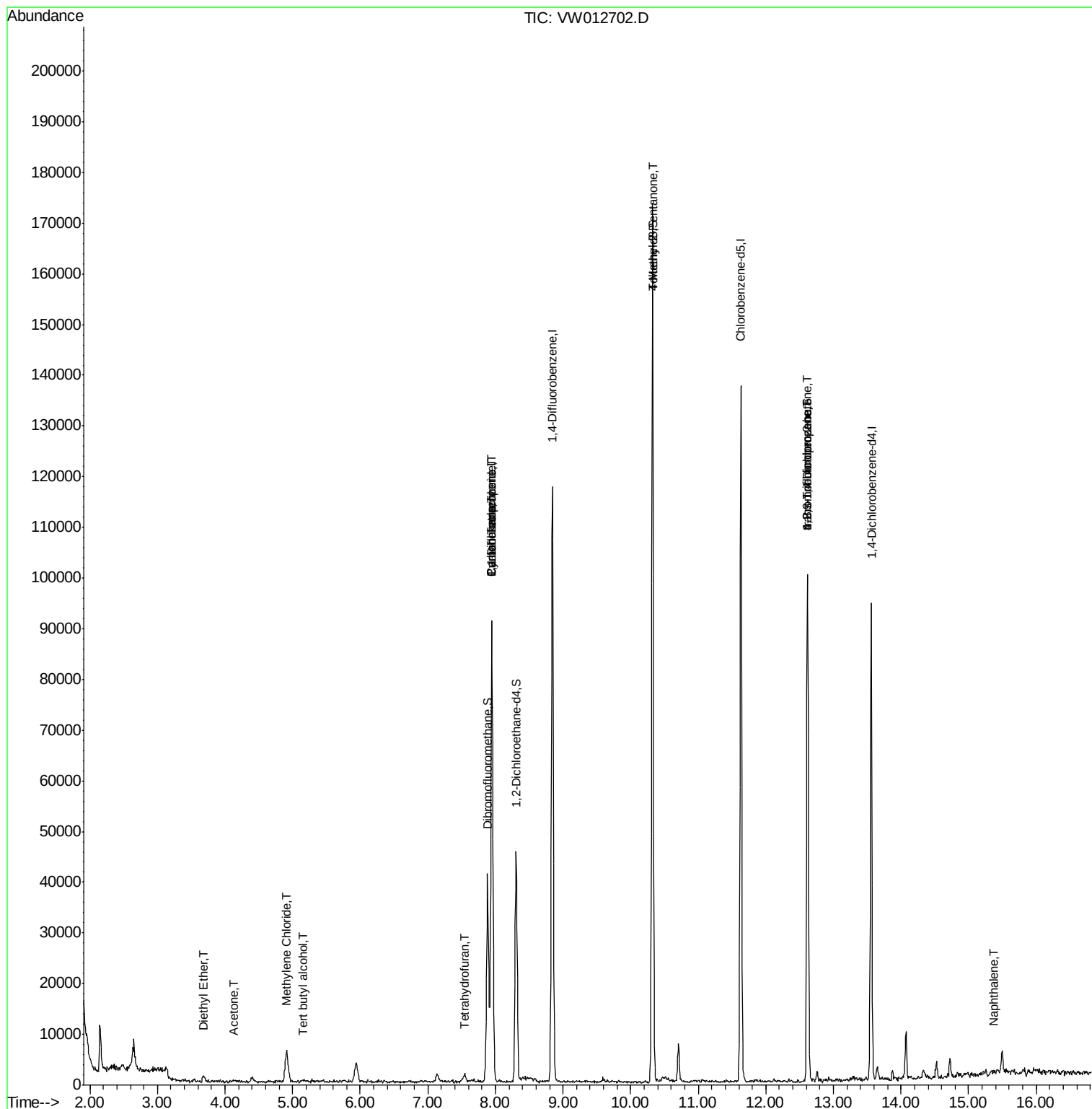
						Qvalue
8) Diethyl Ether	3.68	74	592	1.593	ug/l	82
11) Tert butyl alcohol	5.16	59	265	5.546	ug/l #	71
16) Acetone	4.12	43	744	3.665	ug/l #	47
20) Methylene Chloride	4.92	84	4074	5.309	ug/l #	81
29) Tetrahydrofuran	7.54	42	1297	7.838	ug/l #	78
31) Cyclohexane	7.95	56	1676	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	5358	5.542	ug/l #	53
38) Carbon Tetrachloride	7.95	117	6408	7.658	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	907	1.817	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	16309	66.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	16309	146.756	ug/l #	6
95) Naphthalene	15.37	128	29	4.349	ug/l #	69

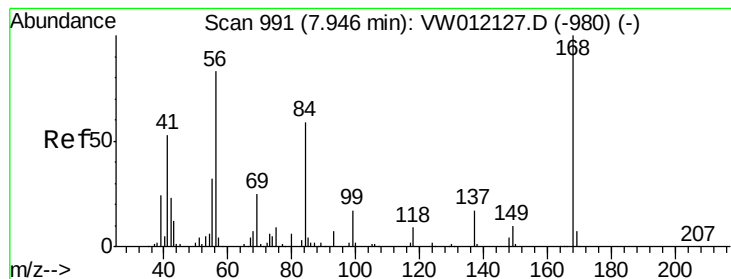
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

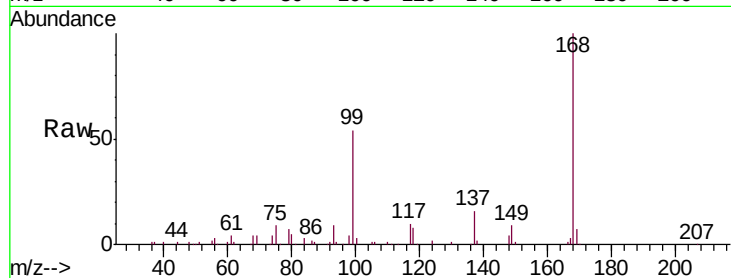
T12-D4-(0)

Tgt Ion:168 Resp: 66797

Ion Ratio Lower Upper

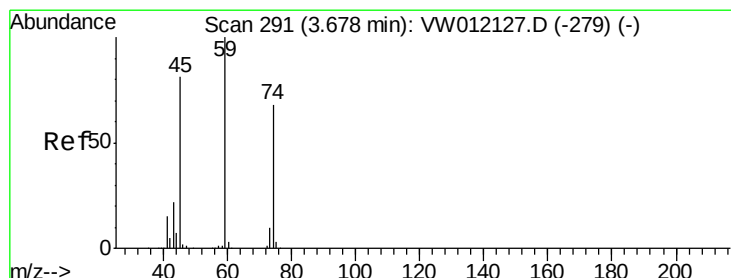
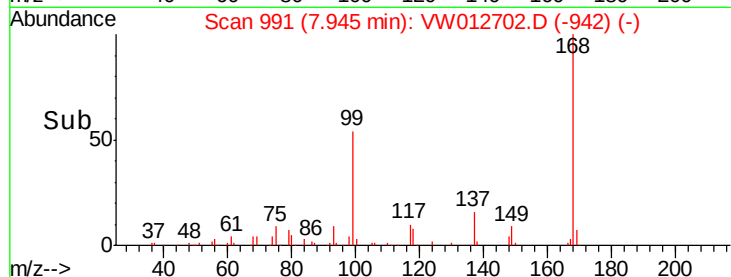
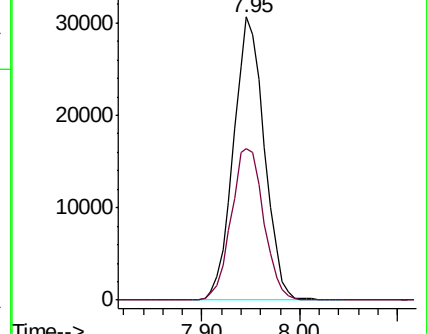
168 100

99 53.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.593 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012702.D

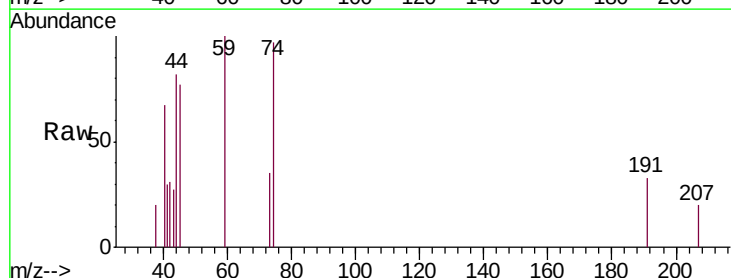
Acq: 06 Sep 2019 20:49

Tgt Ion: 74 Resp: 592

Ion Ratio Lower Upper

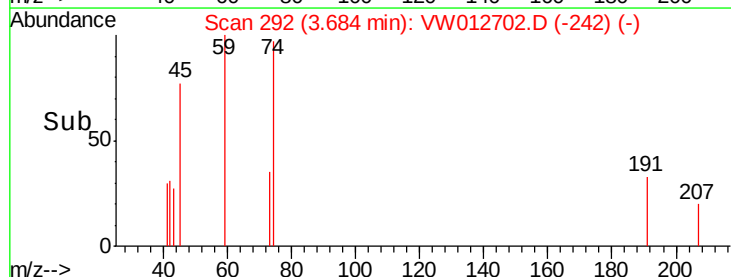
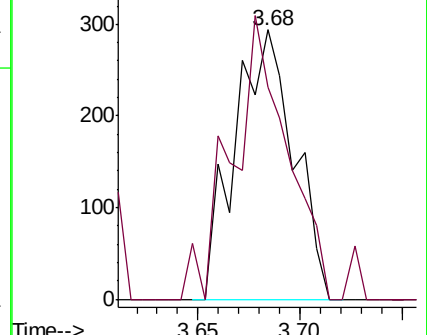
74 100

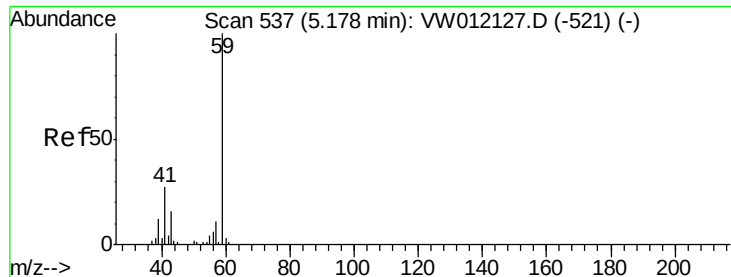
45 98.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 5.546 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.02 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

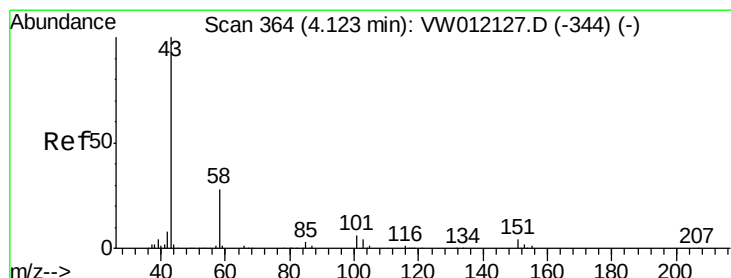
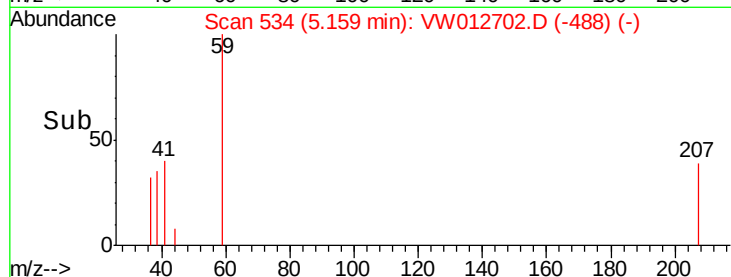
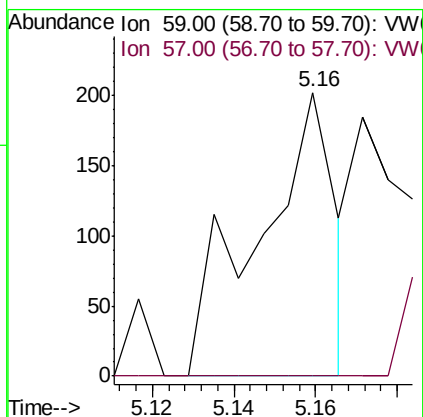
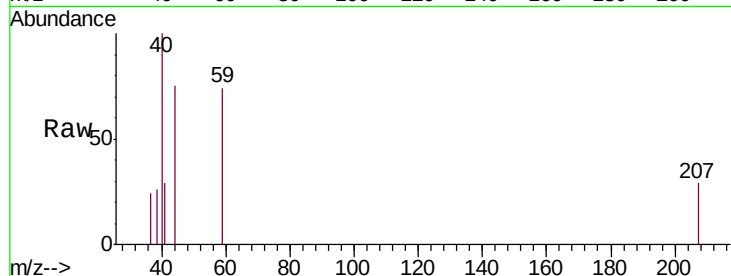
T12-D4-(0)

Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 3.665 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012702.D

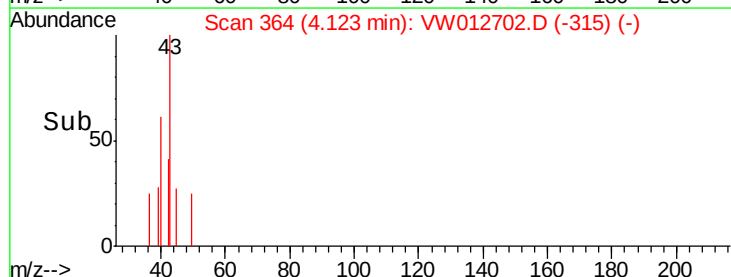
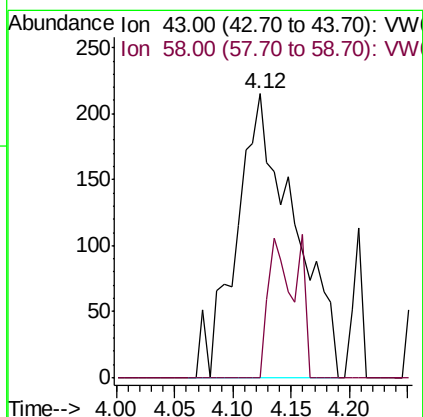
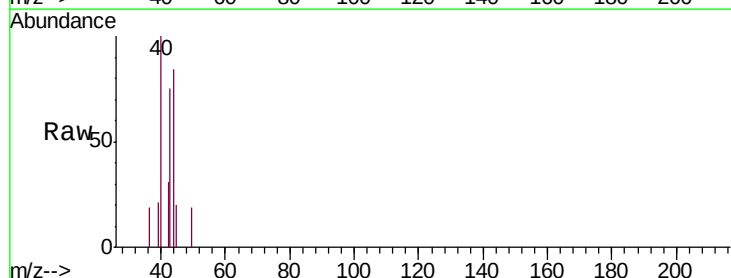
Acq: 06 Sep 2019 20:49

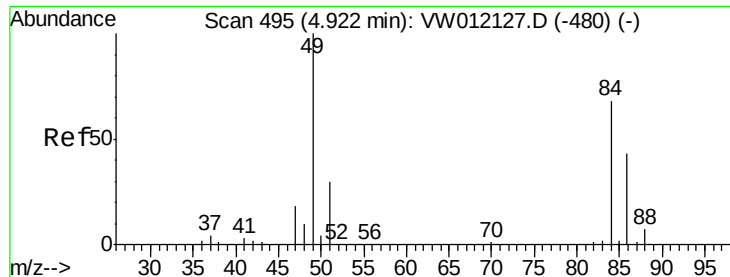
Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#

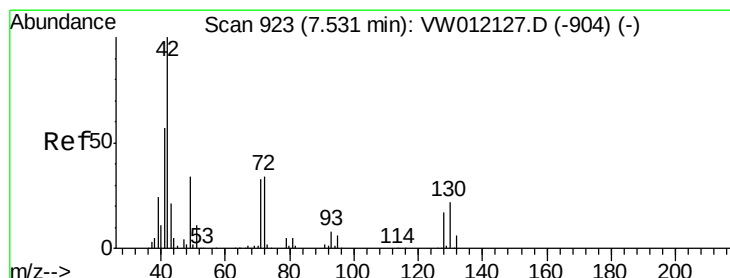
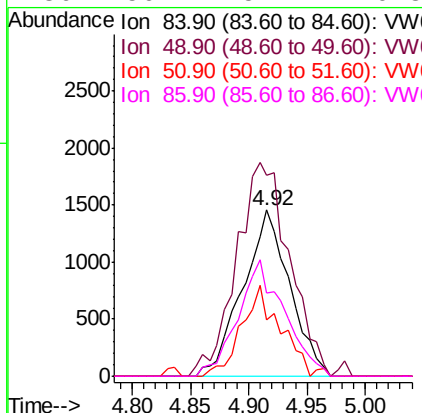
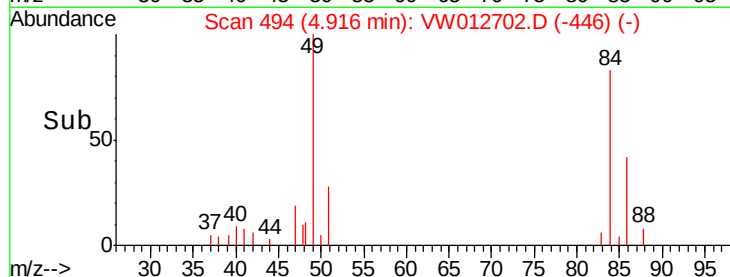
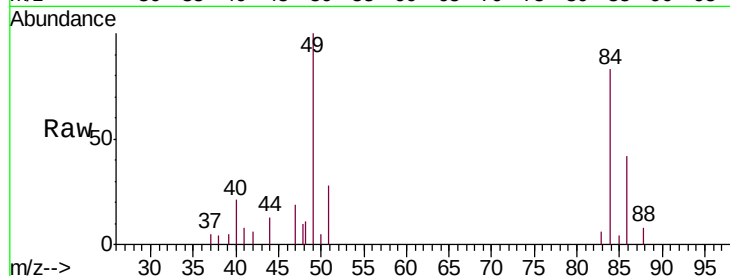




#20
Methylene Chloride
Concen: 5.309 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012702.D
Acq: 06 Sep 2019 20:49

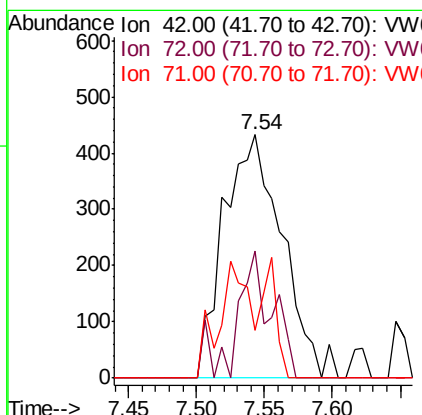
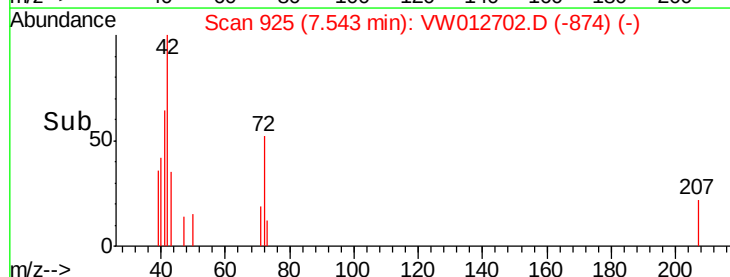
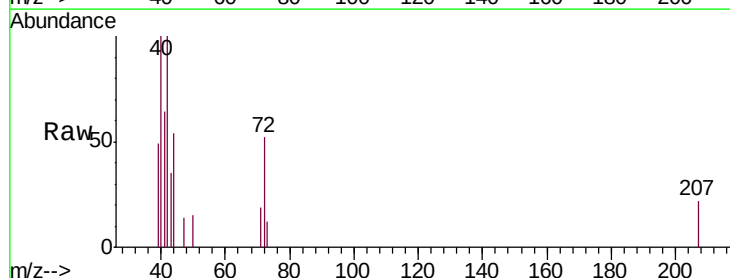
Instrument :
MSVOA_W
ClientSampleId :
T12-D4-(0)

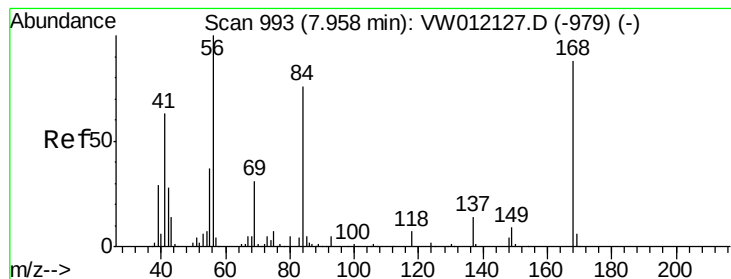
Tgt Ion: 84 Resp: 4074
Ion Ratio Lower Upper
84 100
49 120.7 117.8 176.8
51 33.7 35.6 53.4#
86 50.4 51.2 76.8#



#29
Tetrahydrofuran
Concen: 7.838 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012702.D
Acq: 06 Sep 2019 20:49

Tgt Ion: 42 Resp: 1297
Ion Ratio Lower Upper
42 100
72 28.5 27.3 40.9
71 12.2 25.5 38.3#





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

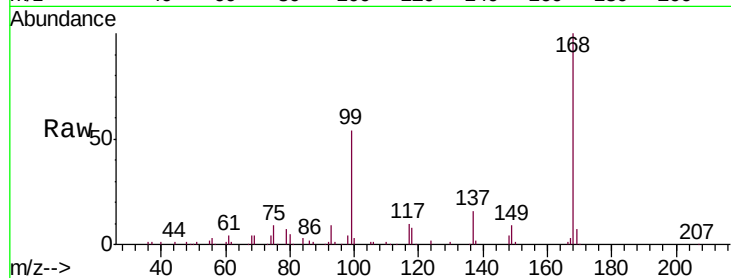
Tgt Ion: 56 Resp: 1676

Ion Ratio Lower Upper

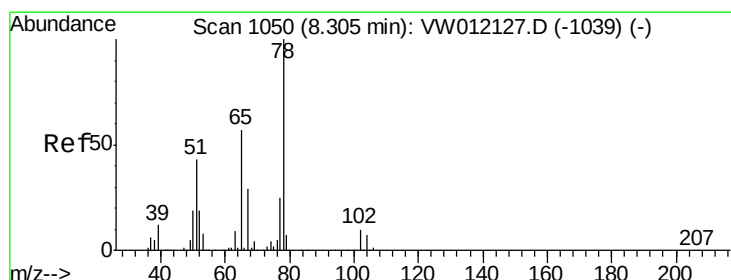
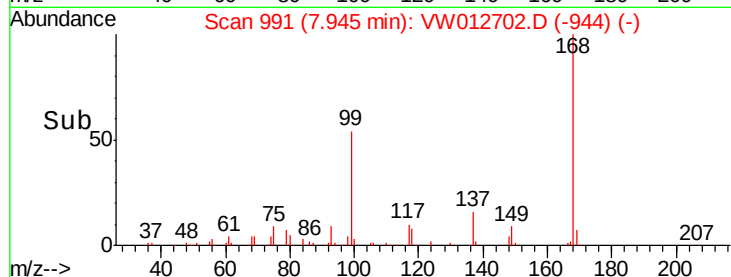
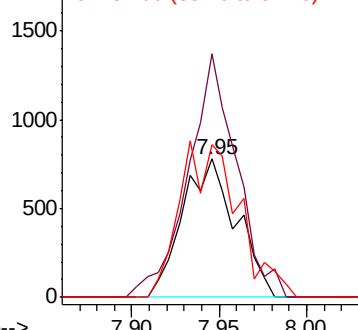
56 100

69 176.2 24.9 37.3#

84 110.3 60.6 90.8#



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 45.130 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012702.D

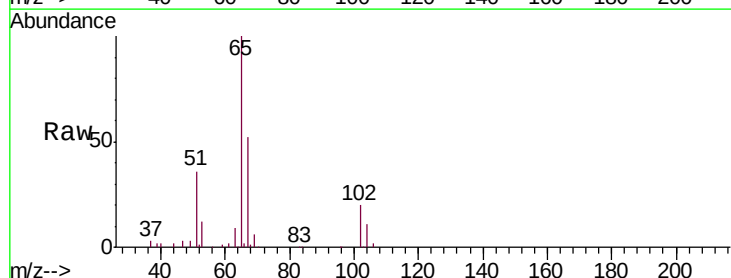
Acq: 06 Sep 2019 20:49

Tgt Ion: 65 Resp: 35836

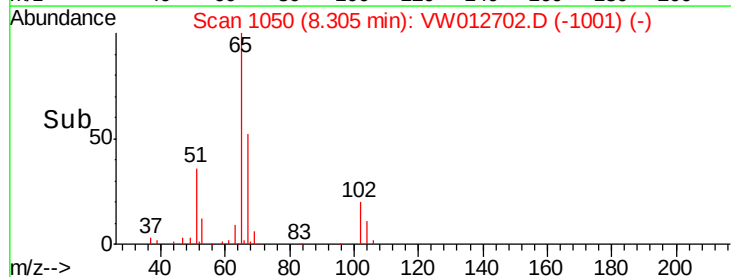
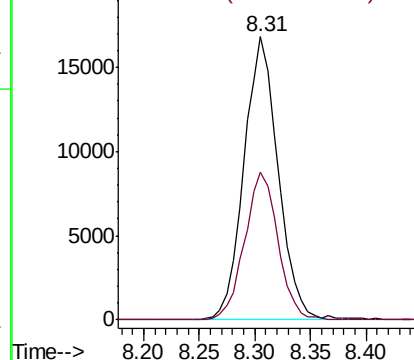
Ion Ratio Lower Upper

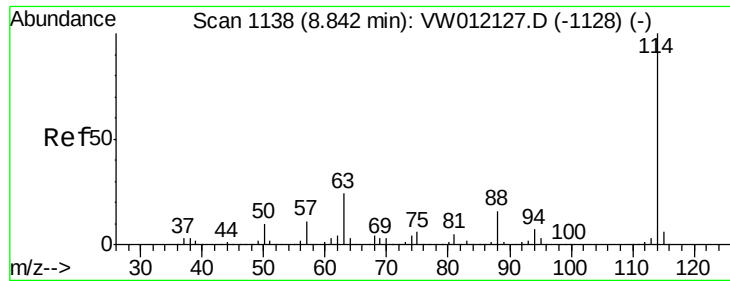
65 100

67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

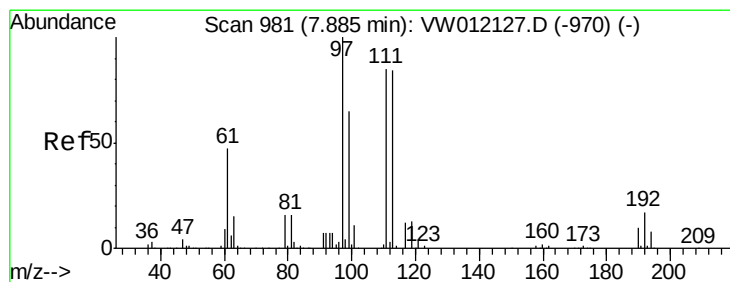
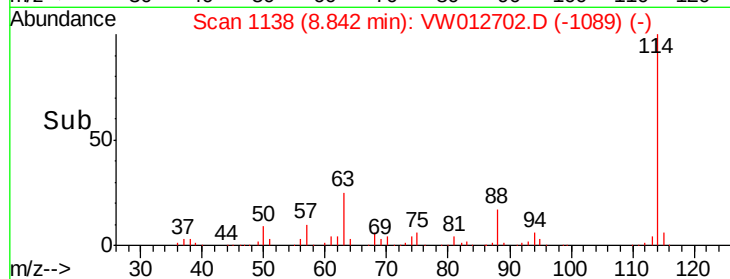
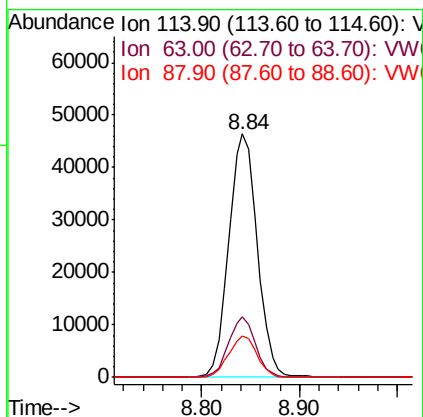
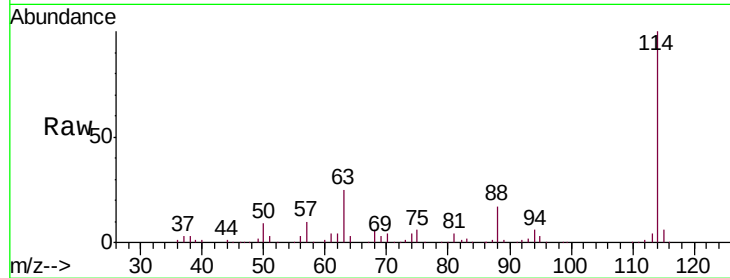




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

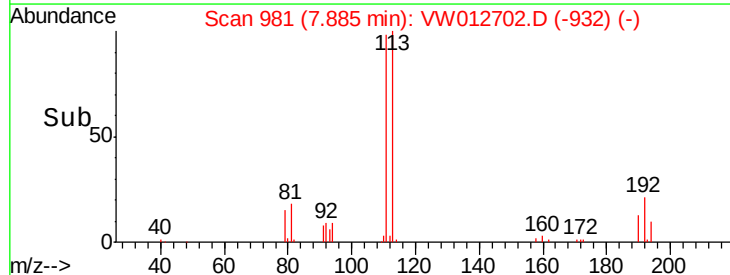
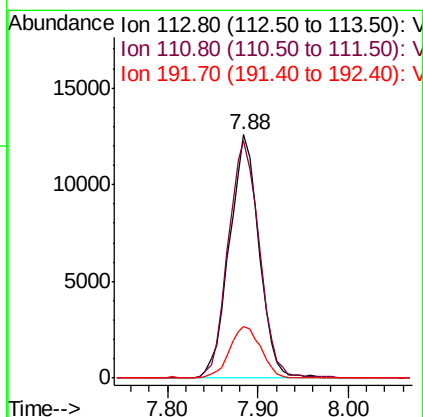
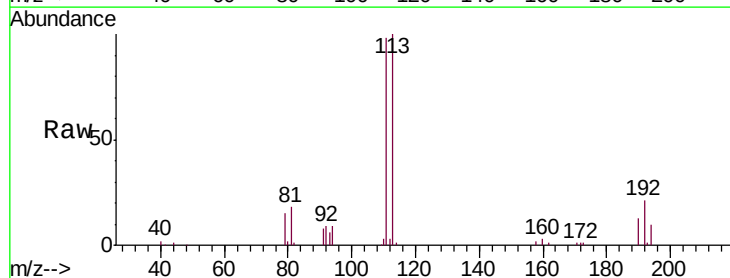
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(0)

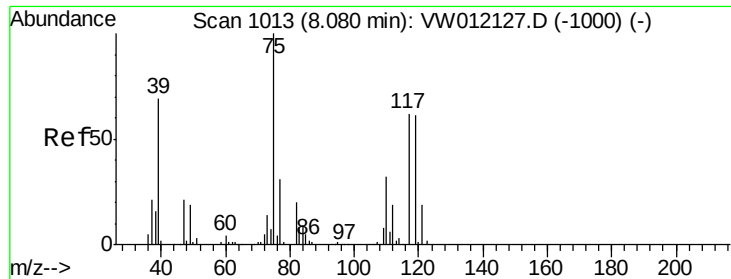
Tgt Ion:	114	Resp:	93555
Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	48.6
88	16.8	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.267 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

Tgt Ion:	113	Resp:	28629
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	22.2	16.2	24.2

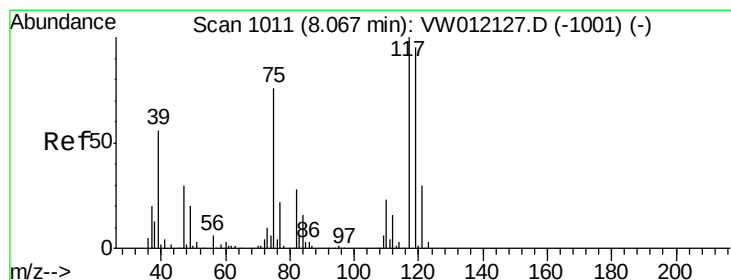
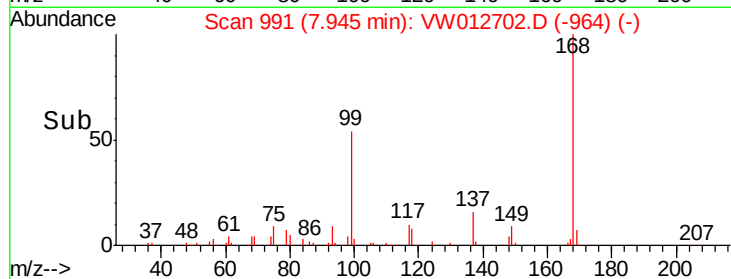
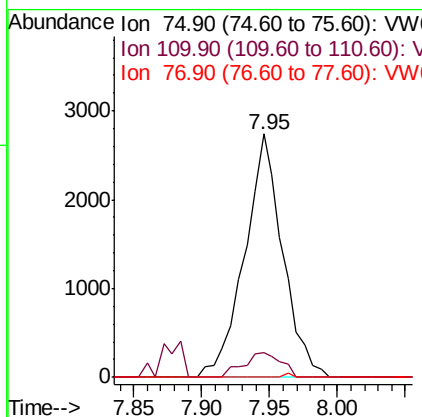
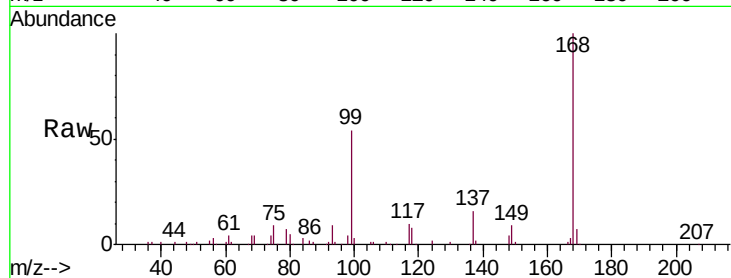




#36
 1,1-Dichloropropene
 Concen: 5.542 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

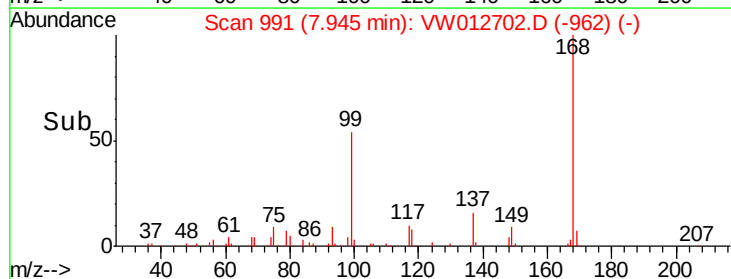
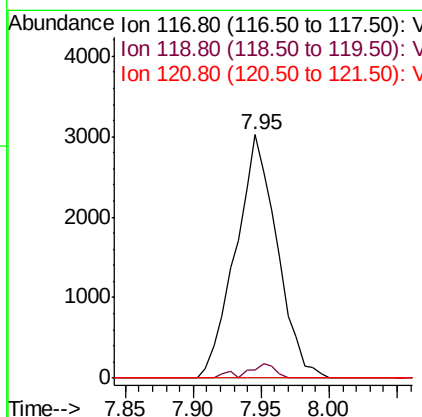
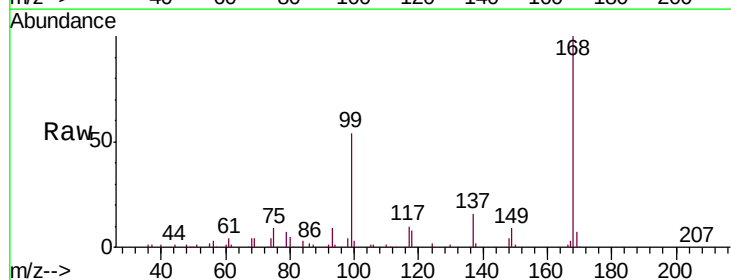
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(0)

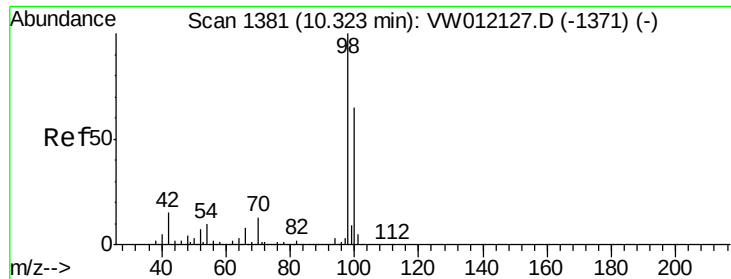
Tgt Ion: 75 Resp: 5358
 Ion Ratio Lower Upper
 75 100
 110 10.1 15.6 46.8#
 77 0.4 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.658 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

Tgt Ion: 117 Resp: 6408
 Ion Ratio Lower Upper
 117 100
 119 3.2 76.2 114.2#
 121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 48.264 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

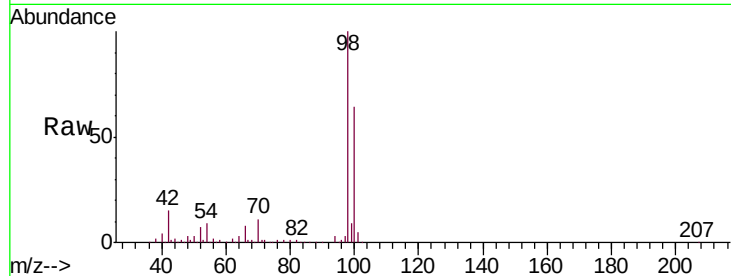
T12-D4-(0)

Tgt Ion: 98 Resp: 109284

Ion Ratio Lower Upper

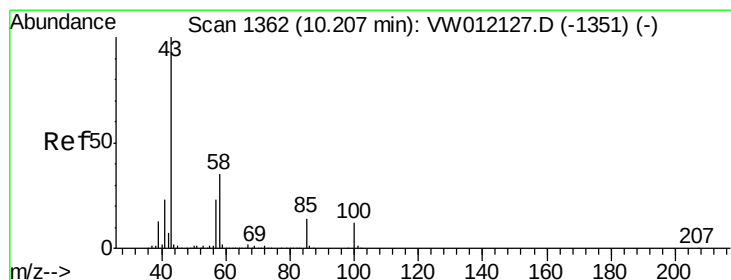
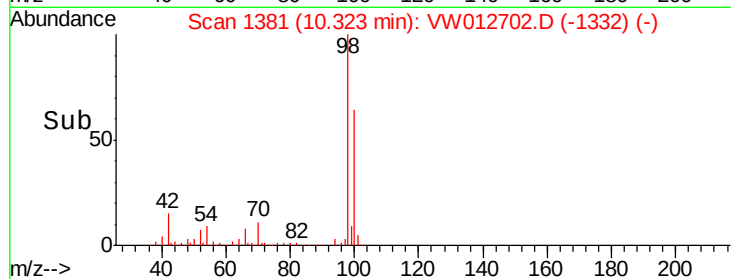
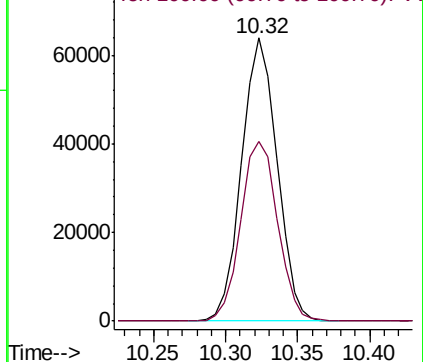
98 100

100 66.2 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: 1.817 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012702.D

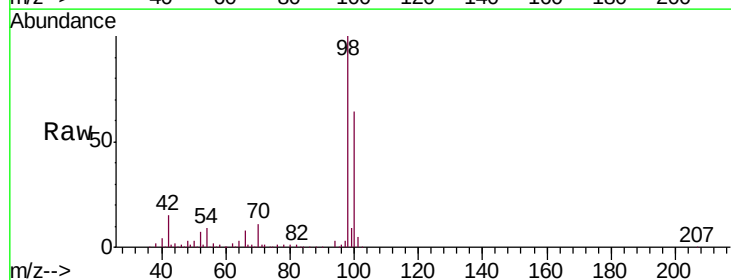
Acq: 06 Sep 2019 20:49

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

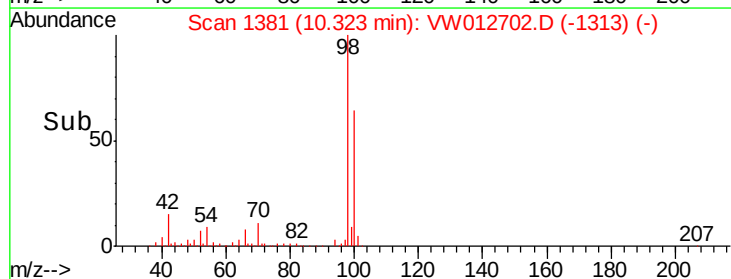
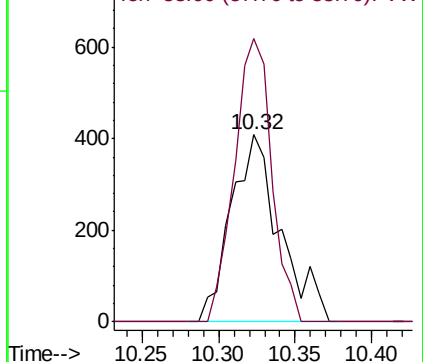
43 100

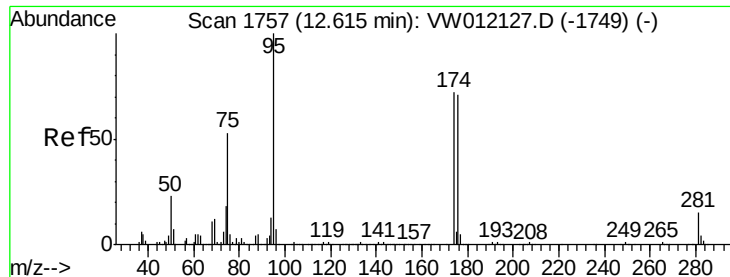
58 115.1 28.2 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#62

4-Bromofluorobenzene

Concen: 37.890 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

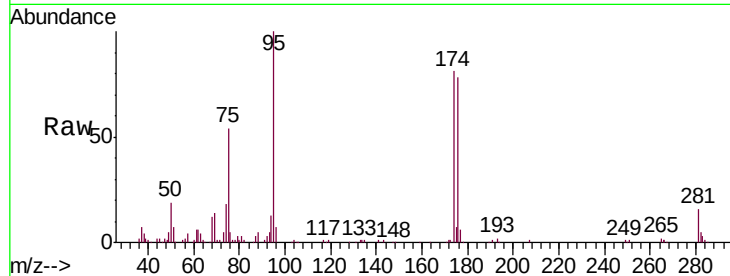
Tgt Ion: 95 Resp: 30242

Ion Ratio Lower Upper

95 100

174 84.7 0.0 150.8

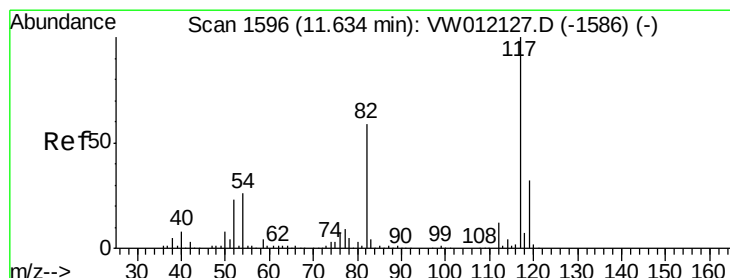
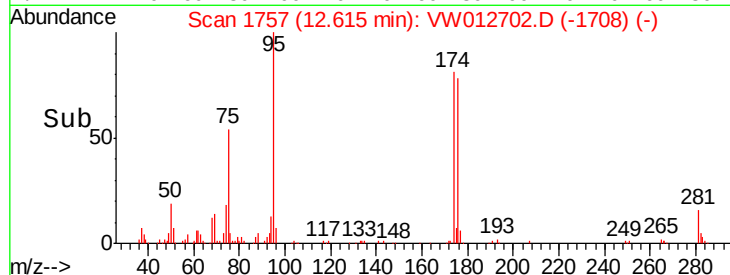
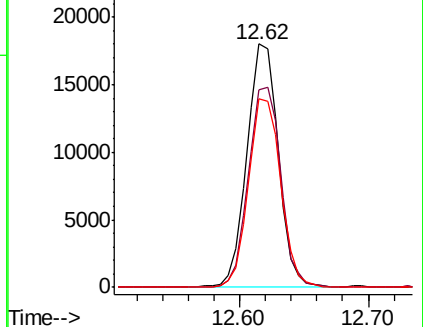
176 79.6 0.0 148.6



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: VW012702.D

Acq: 06 Sep 2019 20:49

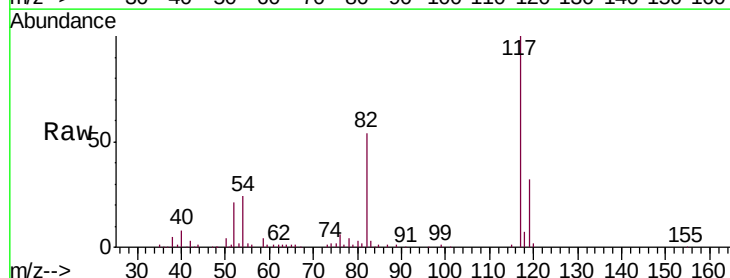
Tgt Ion: 117 Resp: 75171

Ion Ratio Lower Upper

117 100

82 54.3 47.4 71.2

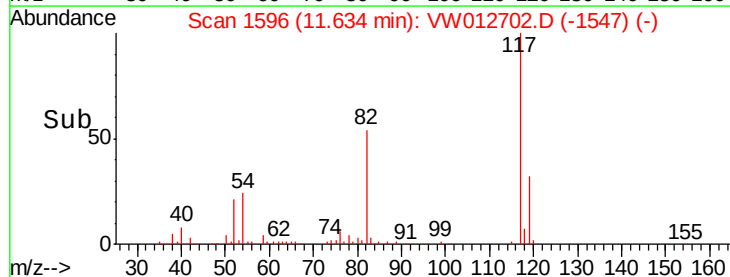
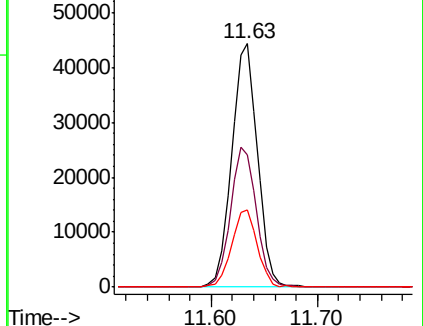
119 31.5 25.4 38.2

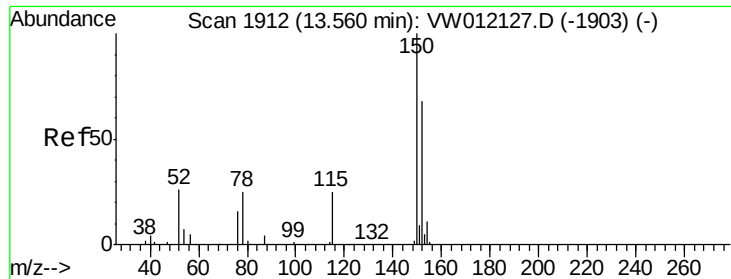


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

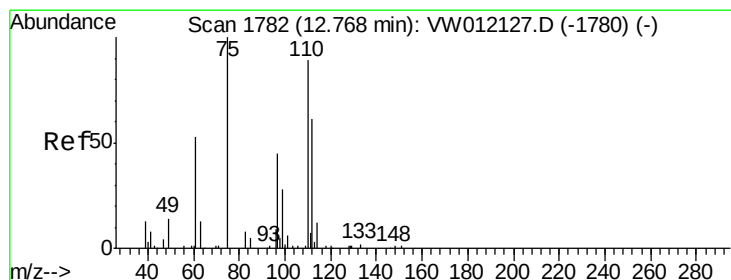
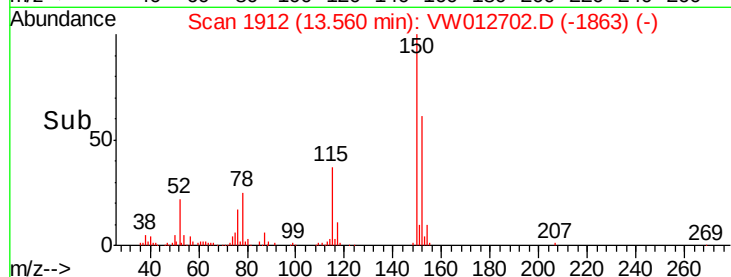
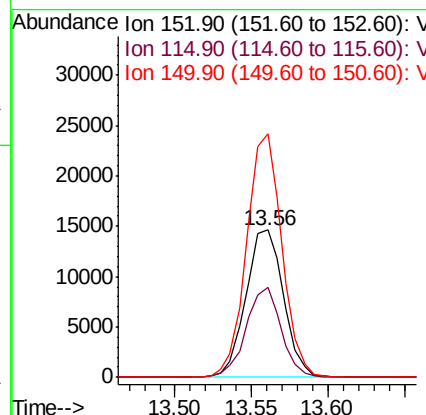
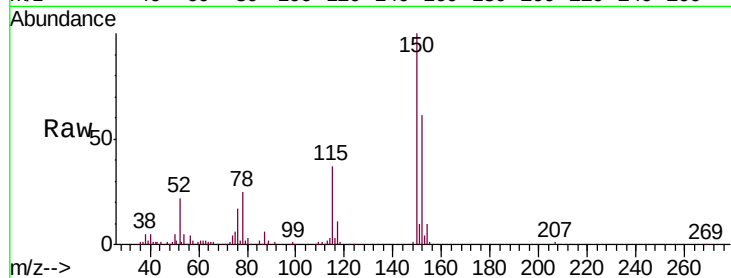




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

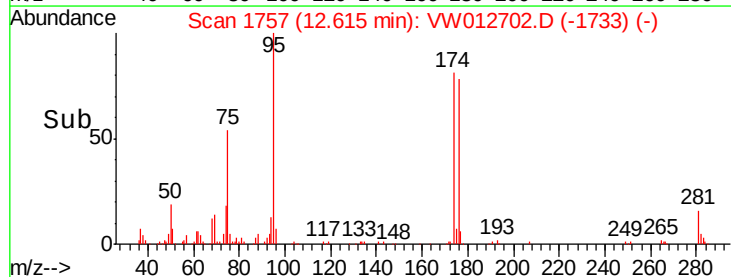
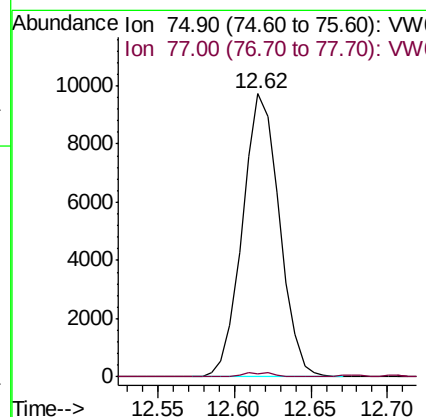
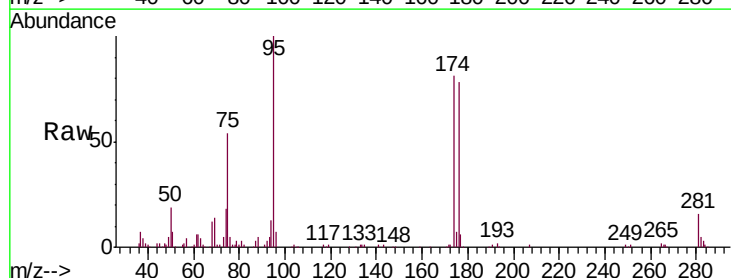
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D4-(0)

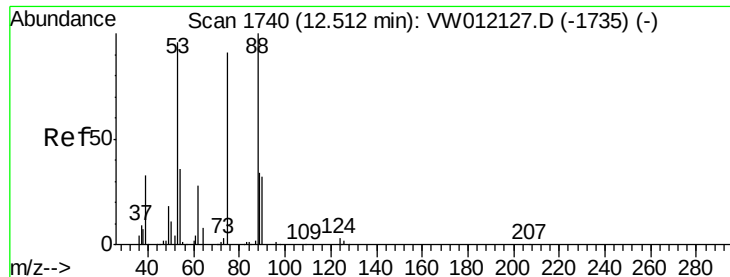
Tgt Ion: 152 Resp: 25018
 Ion Ratio Lower Upper
 152 100
 115 57.0 30.1 90.3
 150 155.0 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 66.934 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012702.D
 Acq: 06 Sep 2019 20:49

Tgt Ion: 75 Resp: 16309
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 146.756 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

Instrument :

MSVOA_W

ClientSampleId :

T12-D4-(0)

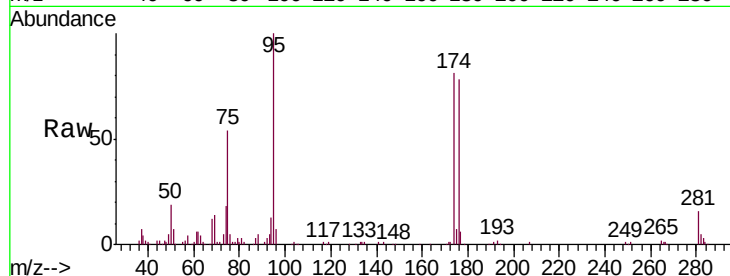
Tgt Ion: 75 Resp: 16309

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

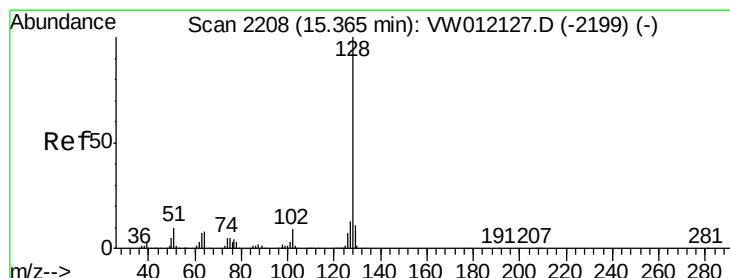
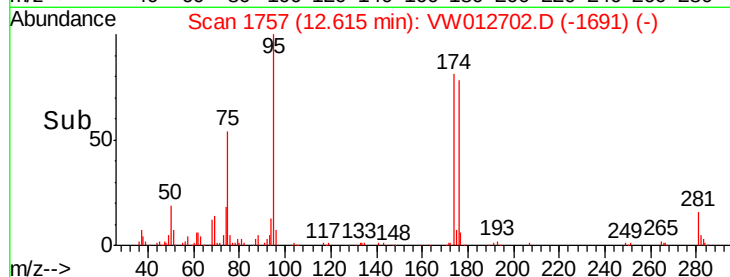
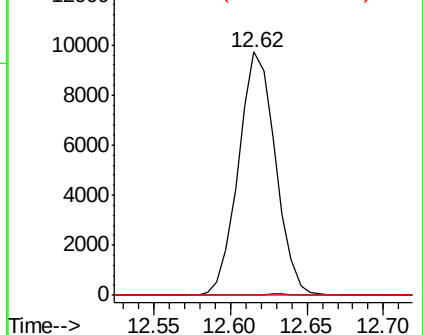
89 0.0 34.5 51.7#



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: 4.349 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012702.D

Acq: 06 Sep 2019 20:49

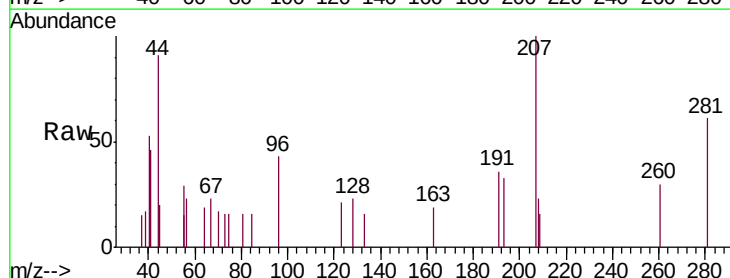
Tgt Ion: 128 Resp: 29

Ion Ratio Lower Upper

128 100

127 0.0 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

