

Data File : VW012701.D
Acq On : 06 Sep 2019 20:24
Operator : SY/VA
Sample : K4581-14
Misc : 4.19G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(0)

Quant Time: Sep 07 04:42:53 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	257534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	319096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144278	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.88	113	118324	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.32	98	473495	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.62	95	140924	42.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.18%	

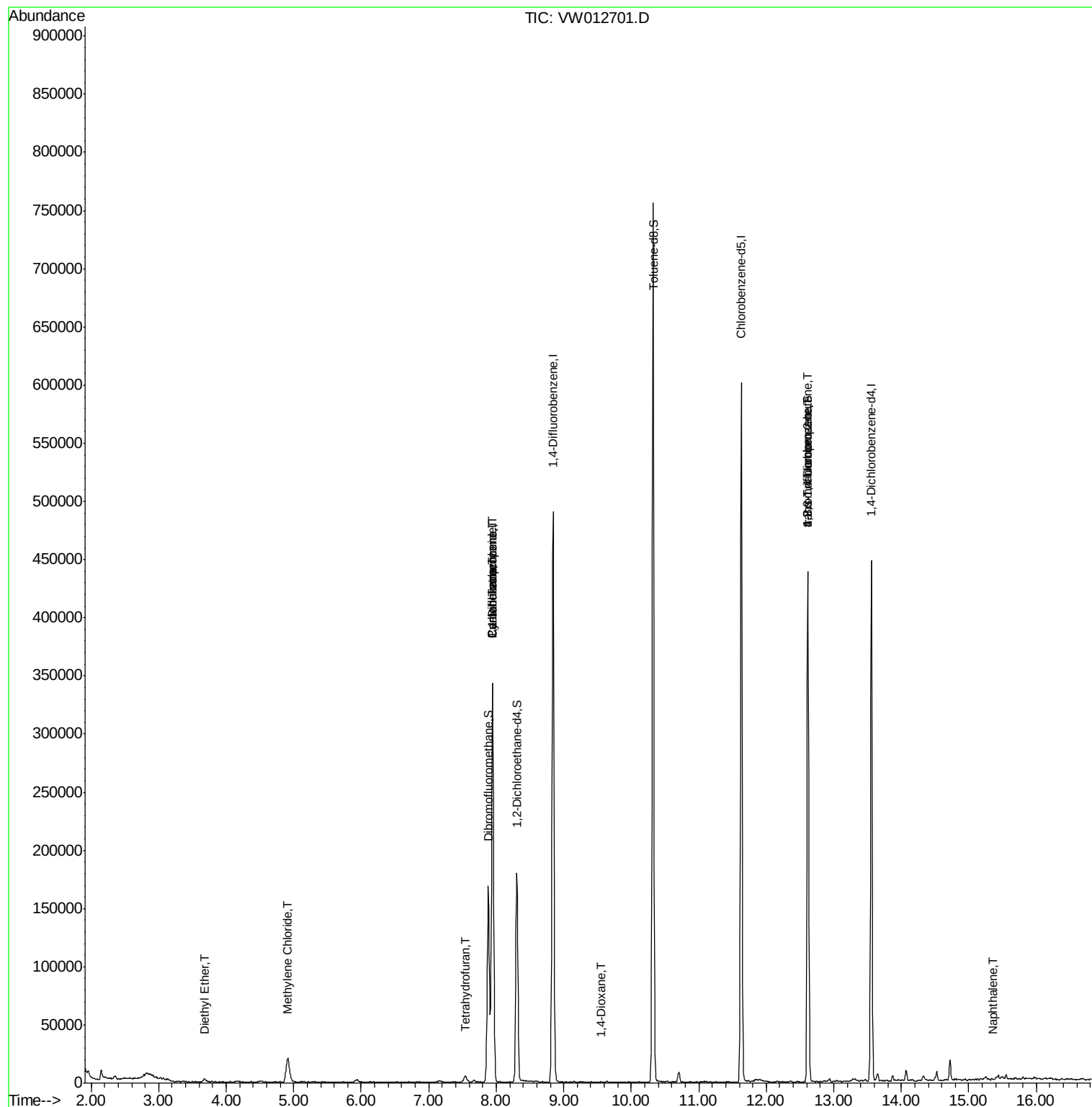
Target Compounds			Qvalue			
8) Diethyl Ether	3.68	74	1490	1.040	ug/l	69
20) Methylene Chloride	4.90	84	16813	5.683	ug/l #	83
29) Tetrahydrofuran	7.54	42	5110	8.009	ug/l	91
31) Cyclohexane	7.94	56	5935	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20953	5.167	ug/l #	51
38) Carbon Tetrachloride	7.94	117	25871	7.371	ug/l #	15
49) 1,4-Dioxane	9.54	88	21	1.035	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73730	66.474	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73730	145.748	ug/l #	6
95) Naphthalene	15.36	128	420	4.410	ug/l #	69

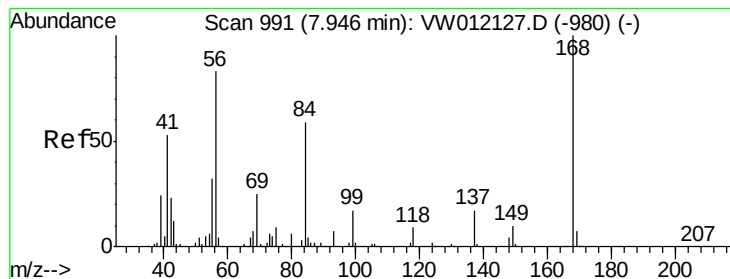
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012701.D

Acq: 06 Sep 2019 20:24

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MSVOA_W

ClientSampleId :

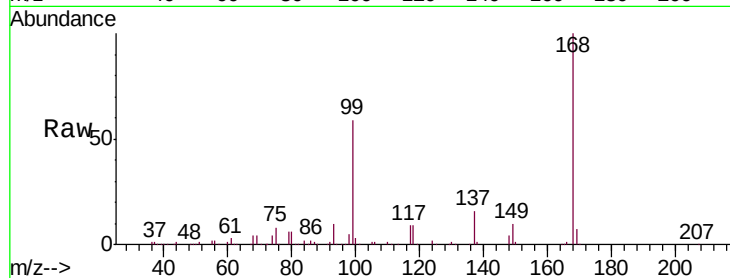
T12-D3-(0)

Tgt Ion:168 Resp: 257534

Ion Ratio Lower Upper

168 100

99 59.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

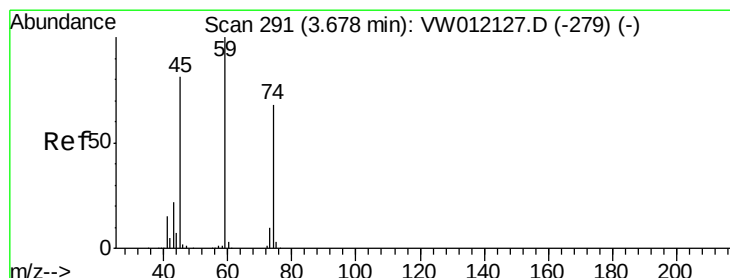
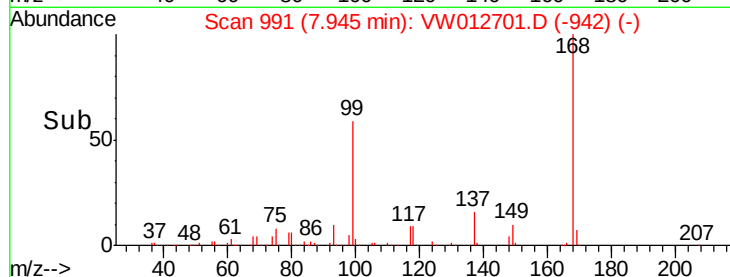
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.040 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012701.D

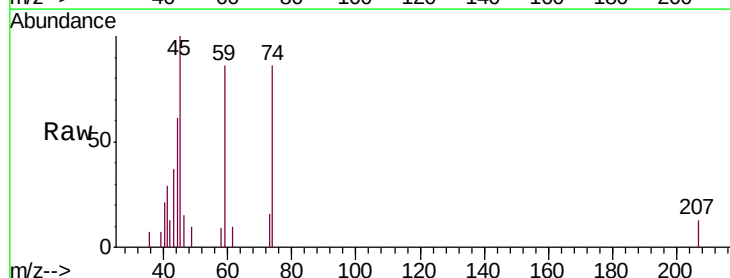
Acq: 06 Sep 2019 20:24

Tgt Ion: 74 Resp: 1490

Ion Ratio Lower Upper

74 100

45 152.9 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

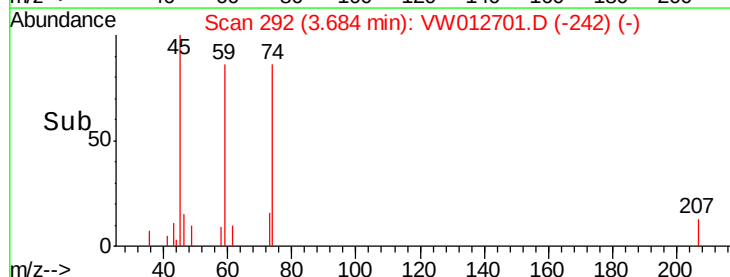
600

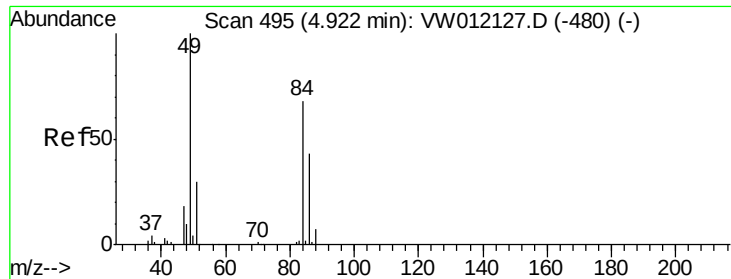
400

200

0

Time--> 3.60 3.65 3.70 3.75

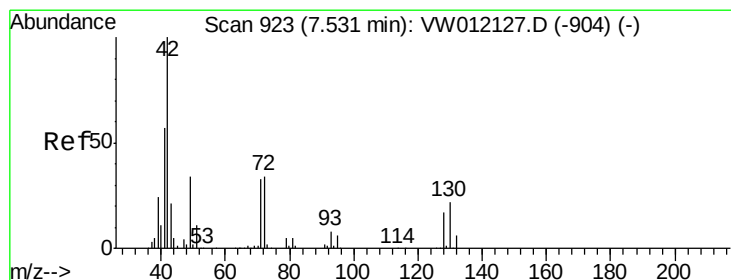
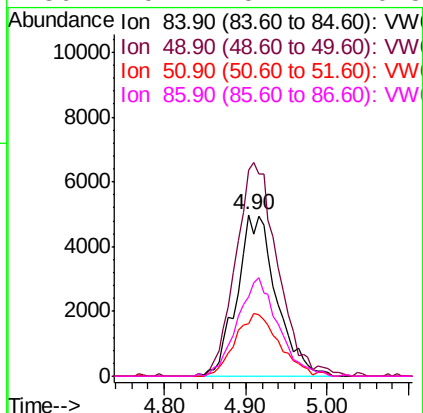
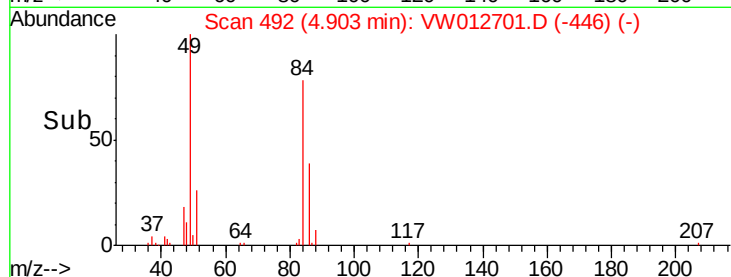
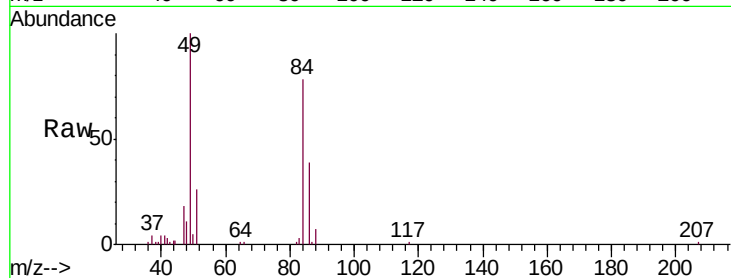




#20
Methylene Chloride
Concen: 5.683 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

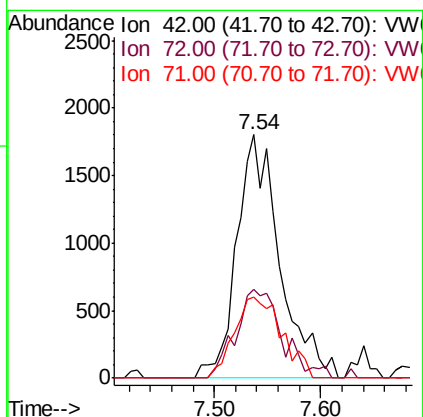
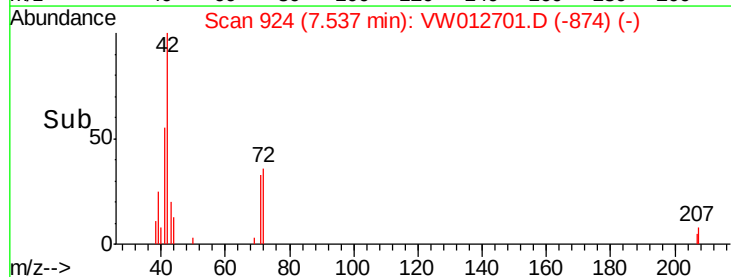
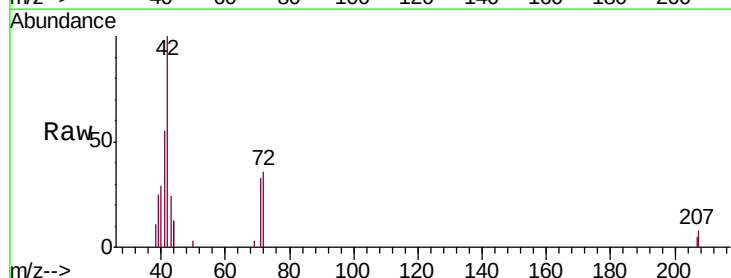
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(0)

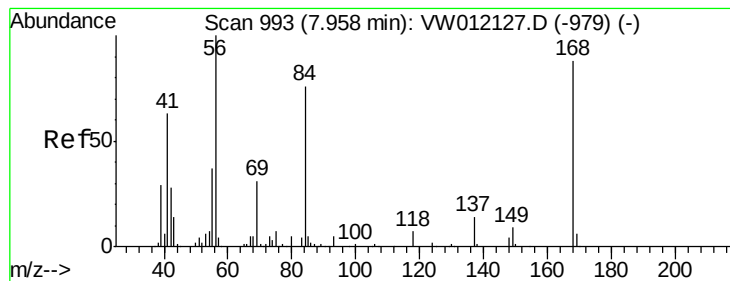
Tgt Ion: 84 Resp: 16813
Ion Ratio Lower Upper
84 100
49 127.6 117.8 176.8
51 32.8 35.6 53.4#
86 49.4 51.2 76.8#



#29
Tetrahydrofuran
Concen: 8.009 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012701.D
Acq: 06 Sep 2019 20:24

Tgt Ion: 42 Resp: 5110
Ion Ratio Lower Upper
42 100
72 39.3 27.3 40.9
71 36.6 25.5 38.3





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

T12-D3-(0)

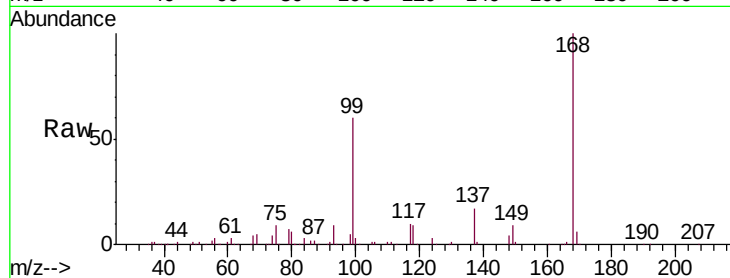
Tgt Ion: 56 Resp: 5935

Ion Ratio Lower Upper

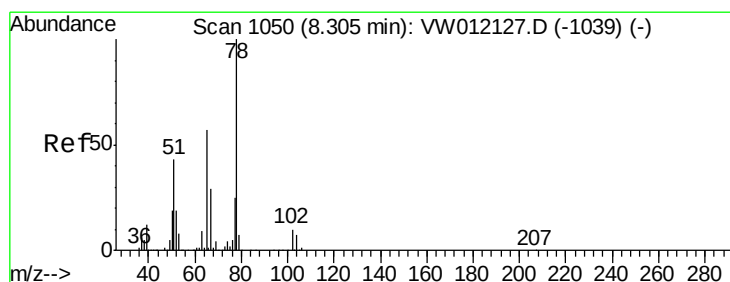
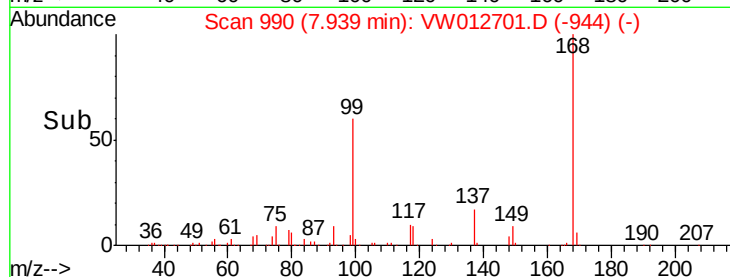
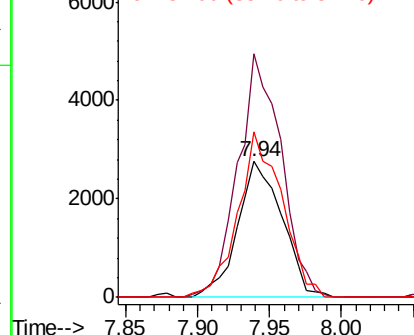
56 100

69 179.4 24.9 37.3#

84 121.9 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: 47.127 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012701.D

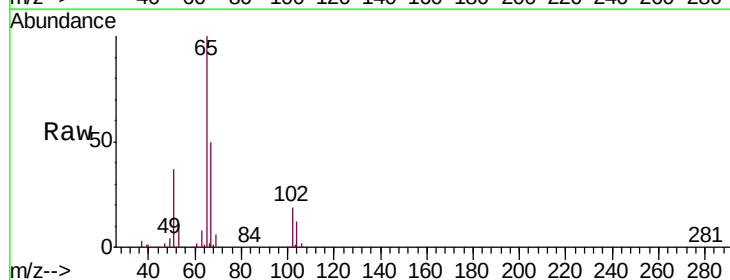
Acq: 06 Sep 2019 20:24

Tgt Ion: 65 Resp: 144278

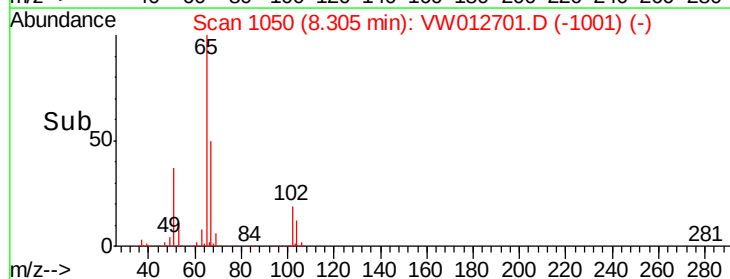
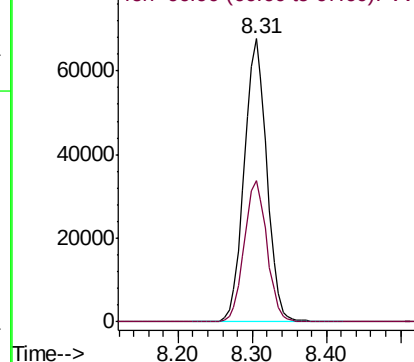
Ion Ratio Lower Upper

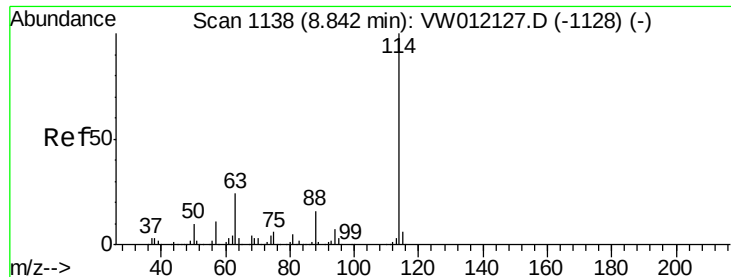
65 100

67 50.6 0.0 102.6



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

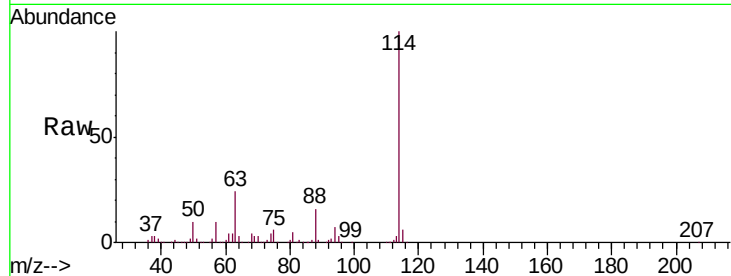




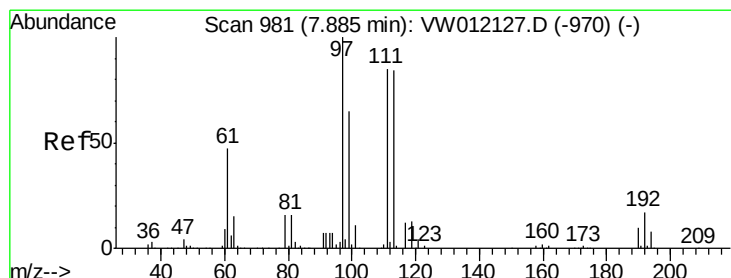
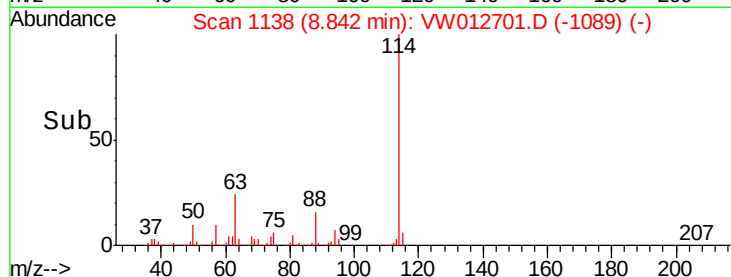
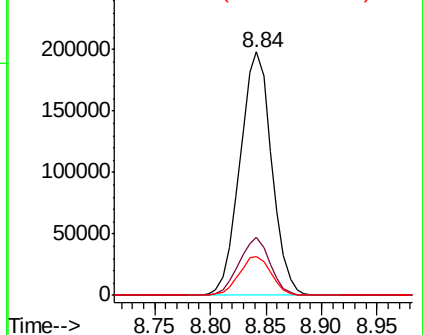
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D3-(0)

Tgt Ion:114 Resp: 392412
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 48.6
 88 16.1 0.0 32.2

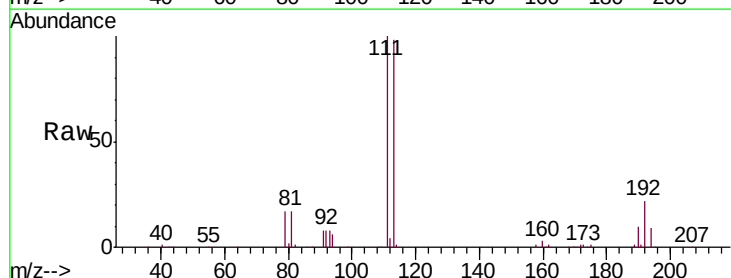


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

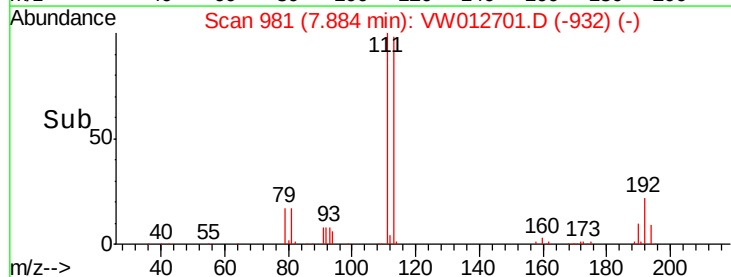
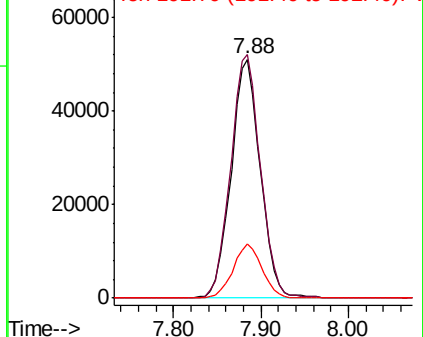


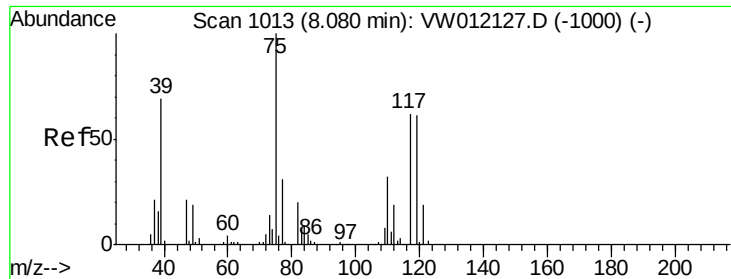
#35
 Dibromofluoromethane
 Concen: 50.516 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Tgt Ion:113 Resp: 118324
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.7 124.1
 192 22.4 16.2 24.2



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

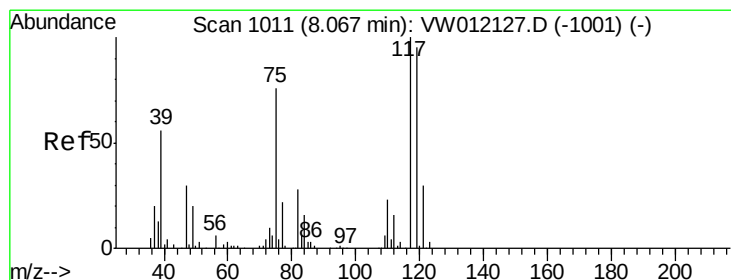
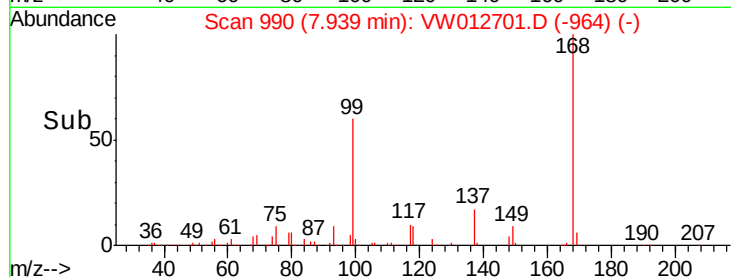
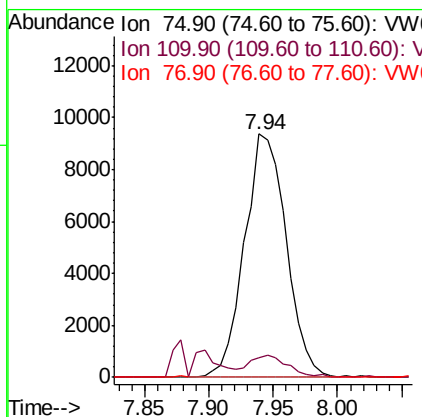
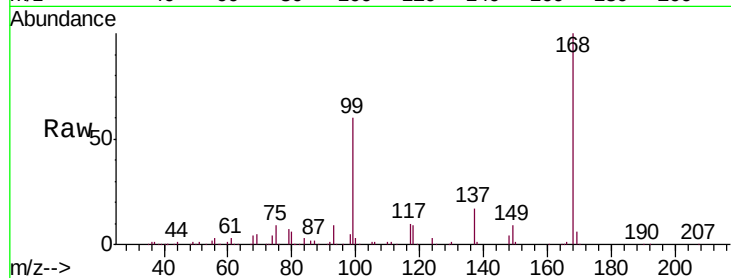




#36
 1,1-Dichloropropene
 Concen: 5.167 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

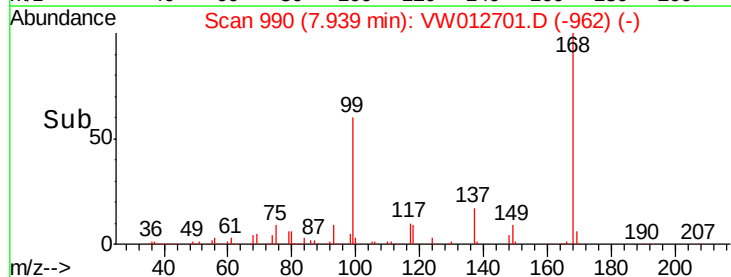
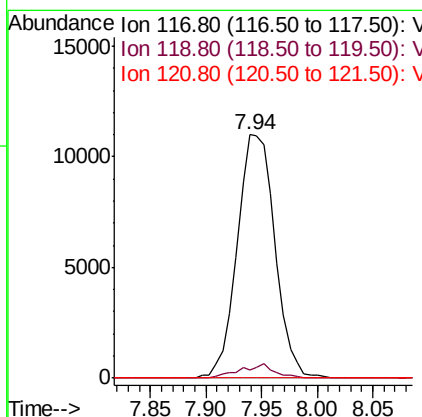
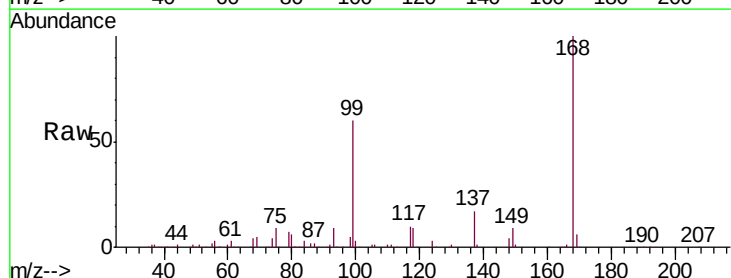
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D3-(0)

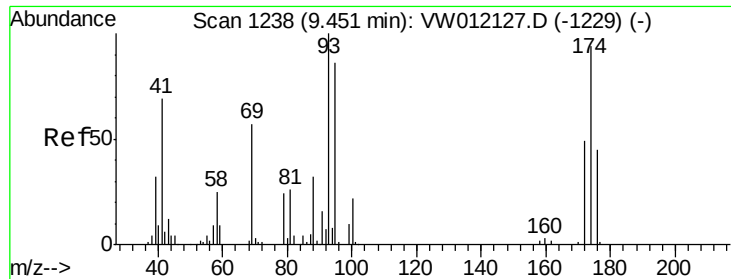
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.371 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.5	76.2	114.2#
121	0.0	23.8	35.8#

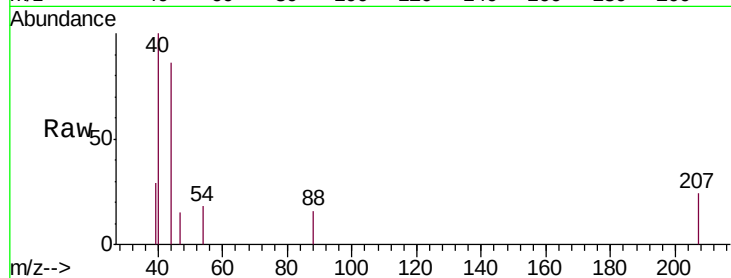




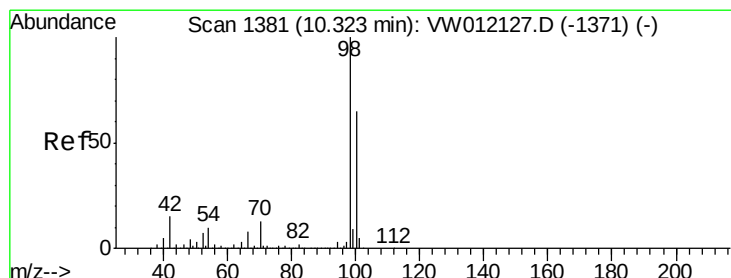
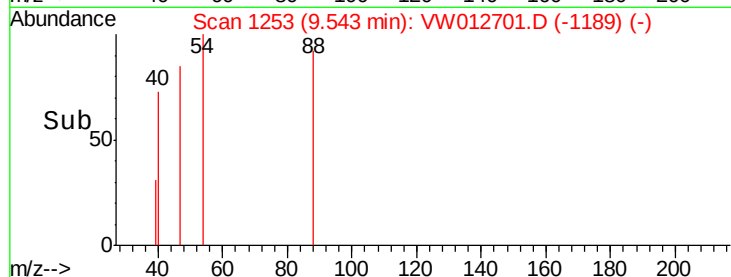
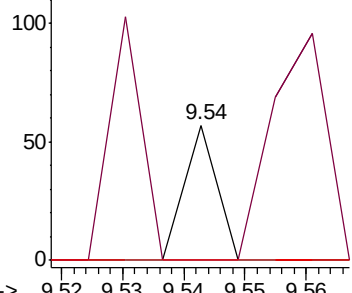
#49
 1,4-Dioxane
 Concen: 1.035 ug/l
 RT: 9.54 min Scan# 1253
 Delta R.T. 0.09 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D3-(0)

Tgt Ion: 88 Resp: 21
 Ion Ratio Lower Upper
 88 100
 43 181.0 32.9 49.3#
 58 0.0 71.0 106.4#

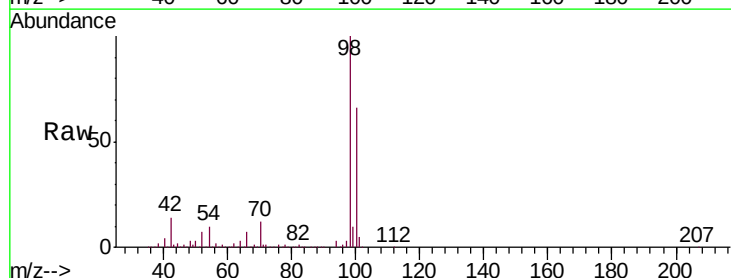


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

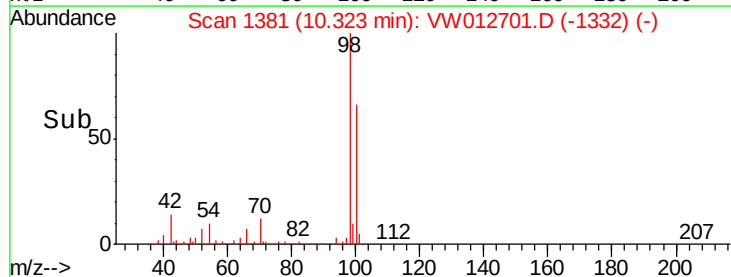
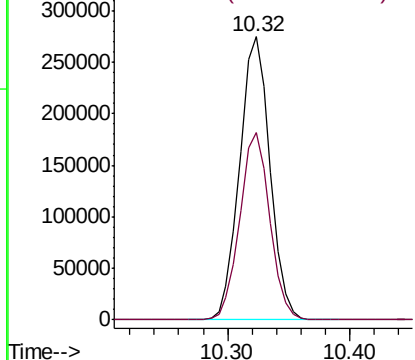


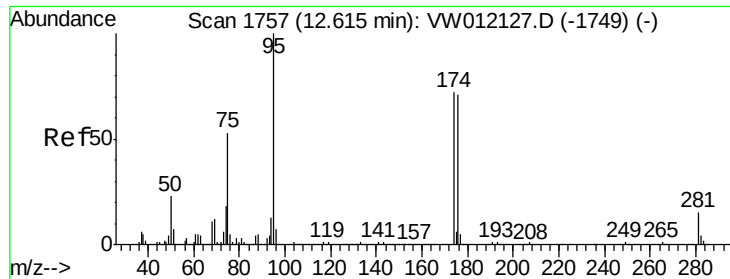
#50
 Toluene-d8
 Concen: 49.855 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012701.D
 Acq: 06 Sep 2019 20:24

Tgt Ion: 98 Resp: 473495
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 42.094 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

T12-D3-(0)

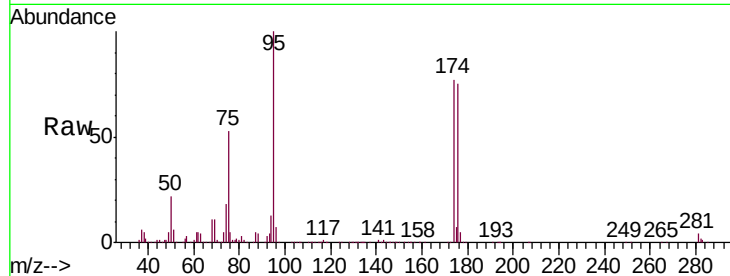
Tgt Ion: 95 Resp: 140924

Ion Ratio Lower Upper

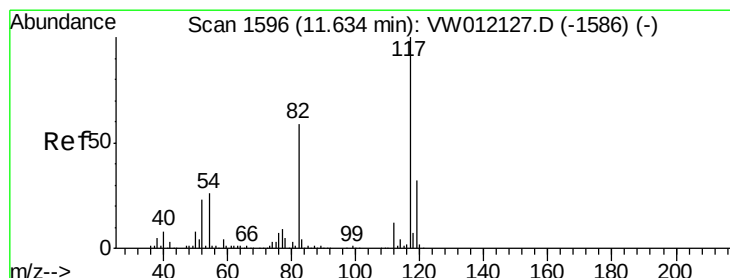
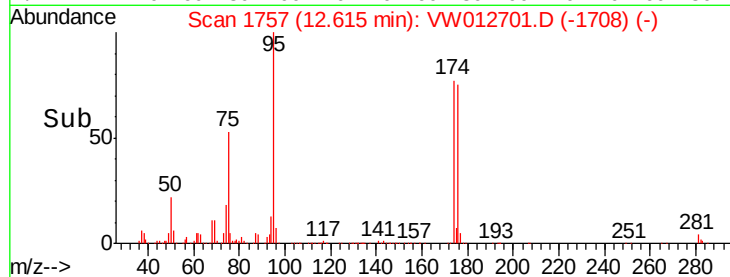
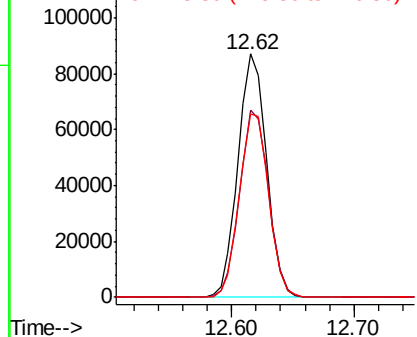
95 100

174 78.1 0.0 150.8

176 77.5 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# 1595

Delta R.T. -0.01 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

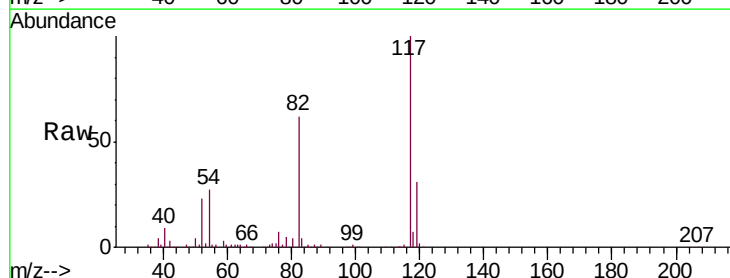
Tgt Ion: 117 Resp: 319096

Ion Ratio Lower Upper

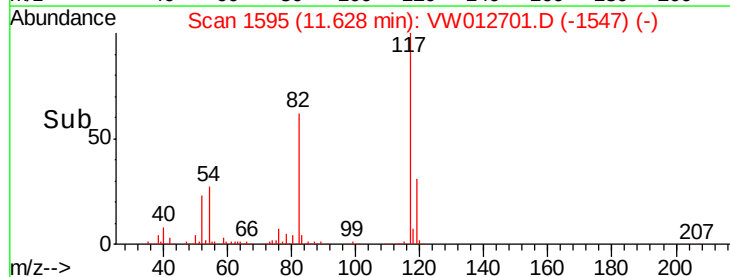
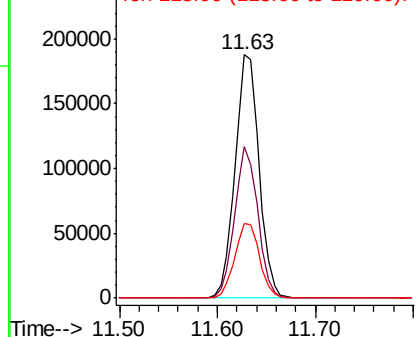
117 100

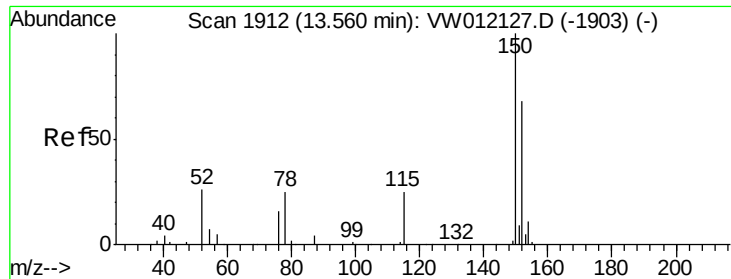
82 62.1 47.4 71.2

119 30.9 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: VW012701.D

Acq: 06 Sep 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

T12-D3-(0)

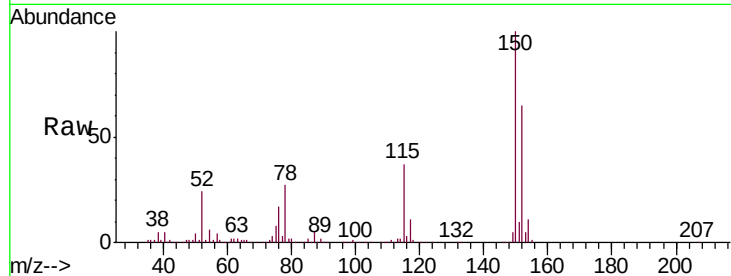
Tgt Ion: 152 Resp: 113884

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.3

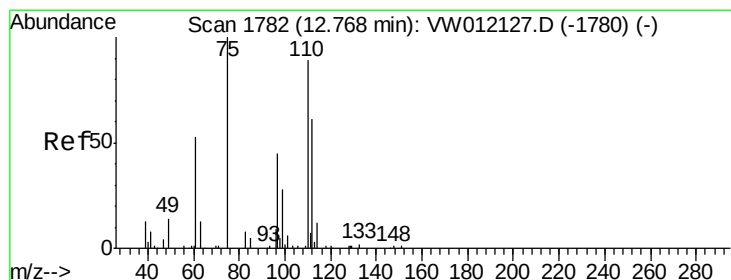
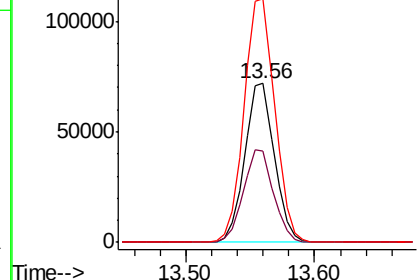
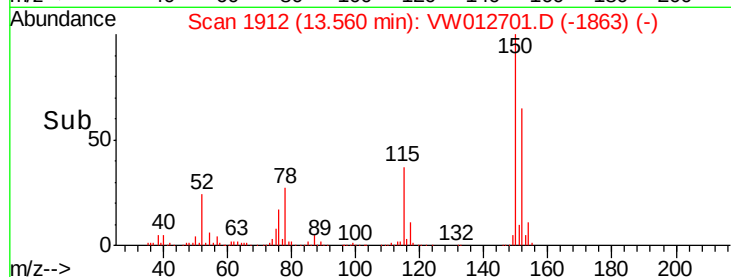
150 158.6 0.0 345.8



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: 66.474 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012701.D

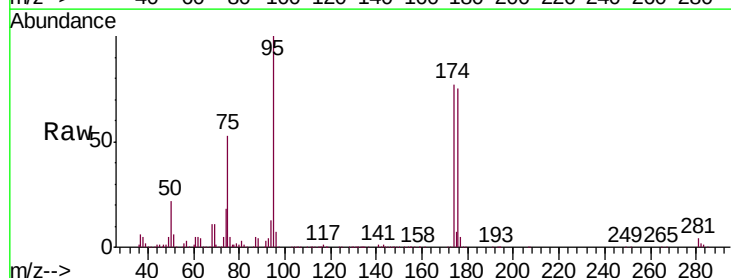
Acq: 06 Sep 2019 20:24

Tgt Ion: 75 Resp: 73730

Ion Ratio Lower Upper

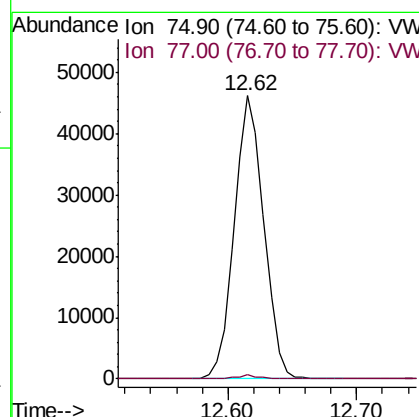
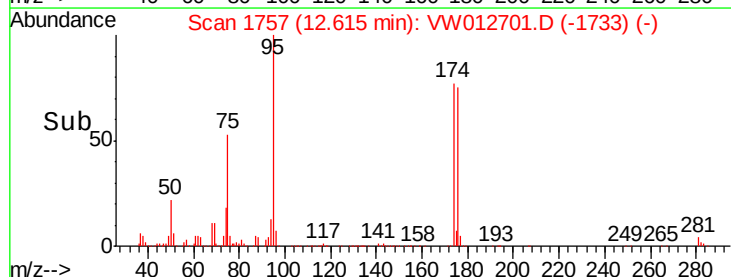
75 100

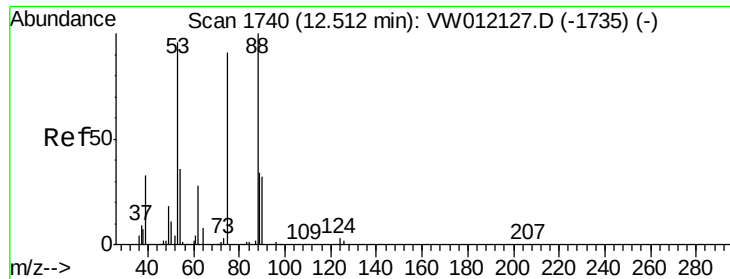
77 1.2 0.0 0.0#



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: 145.748 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Instrument :

MSVOA_W

ClientSampleId :

T12-D3-(0)

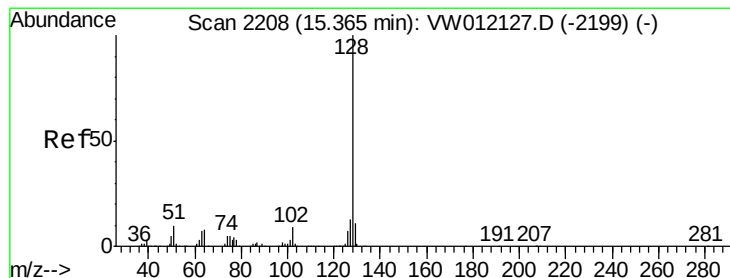
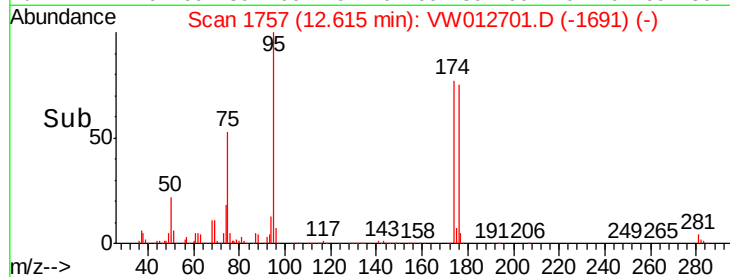
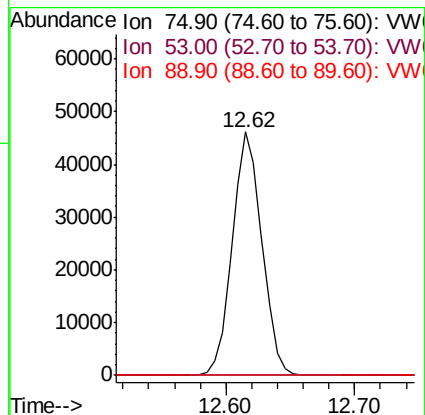
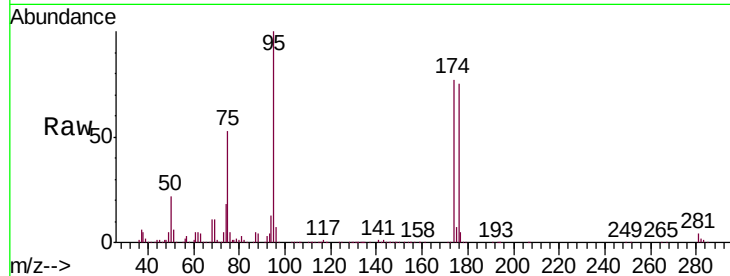
Tgt Ion: 75 Resp: 73730

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.410 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012701.D

Acq: 06 Sep 2019 20:24

Tgt Ion: 128 Resp: 420

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

