

Data File : VW012704.D
Acq On : 06 Sep 2019 21:40
Operator : SY/VA
Sample : K4581-17
Misc : 3.06G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(3.5)

Quant Time: Sep 07 04:43:41 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	243989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138451	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	7.88	113	109771	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.32	98	432661	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.62	95	125642	39.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.92%	

Target Compounds

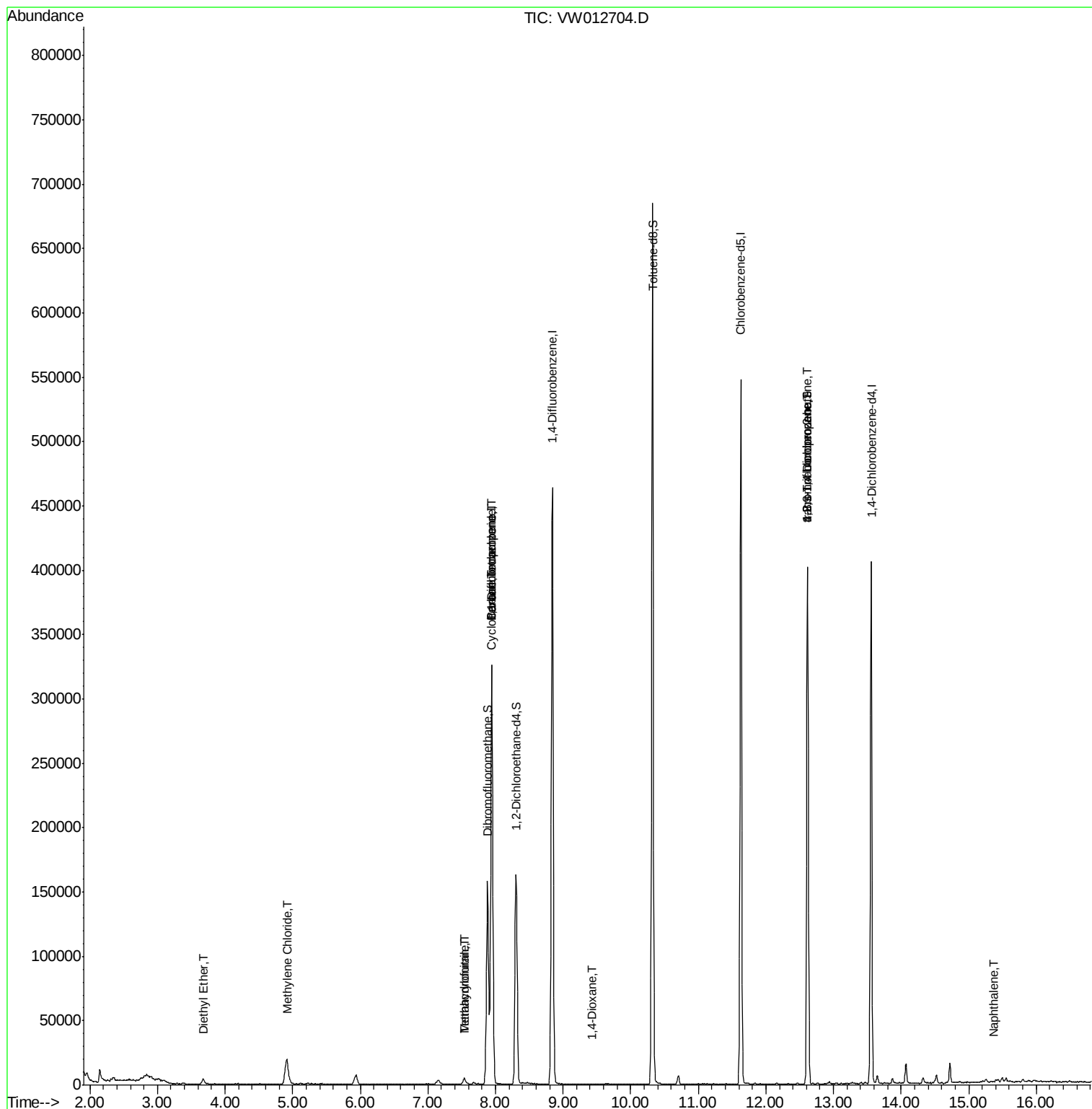
						Qvalue
8) Diethyl Ether	3.67	74	2146	1.581	ug/l	92
20) Methylene Chloride	4.91	84	15054	5.371	ug/l	96
29) Tetrahydrofuran	7.53	42	4085	6.758	ug/l	93
31) Cyclohexane	7.93	56	5759	1.102	ug/l #	23
36) 1,1-Dichloropropene	7.95	75	19482	5.051	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24195	7.248	ug/l #	16
41) Methacrylonitrile	7.53	41	2545	2.049	ug/l #	53
49) 1,4-Dioxane	9.43	88	25	1.295	ug/l #	7
76) 1,2,3-Trichloropropane	12.62	75	67260	65.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67260	143.906	ug/l #	6
95) Naphthalene	15.36	128	214	4.370	ug/l #	81

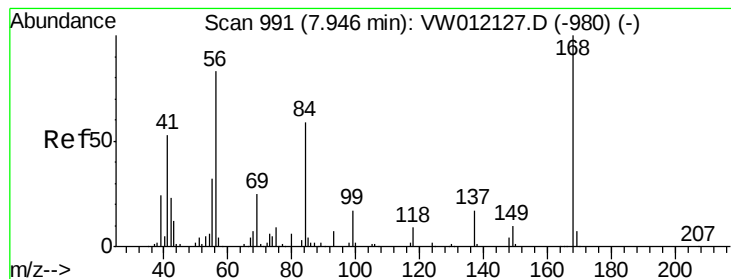
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

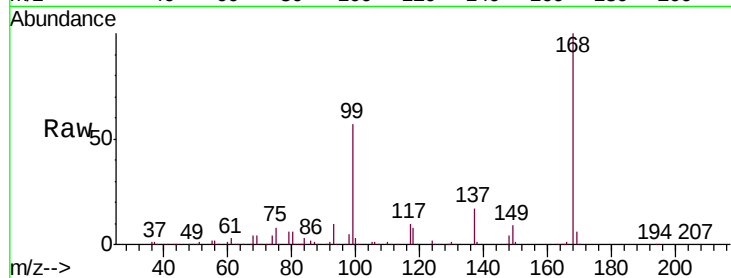
T12-D2-(3.5)

Tgt Ion:168 Resp: 243989

Ion Ratio Lower Upper

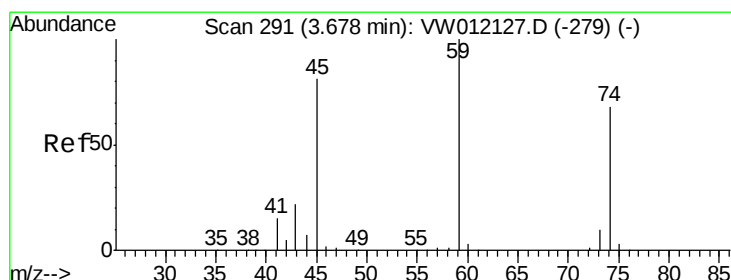
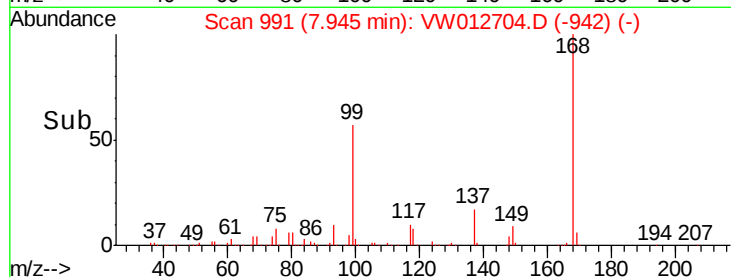
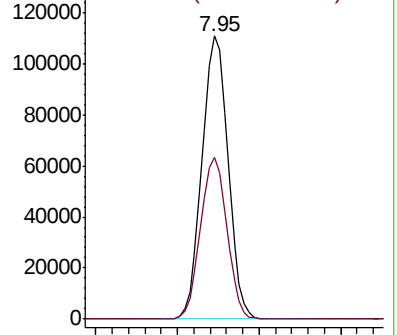
168 100

99 57.2 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: 1.581 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012704.D

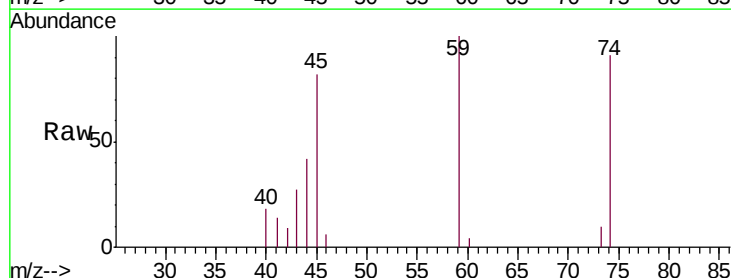
Acq: 06 Sep 2019 21:40

Tgt Ion: 74 Resp: 2146

Ion Ratio Lower Upper

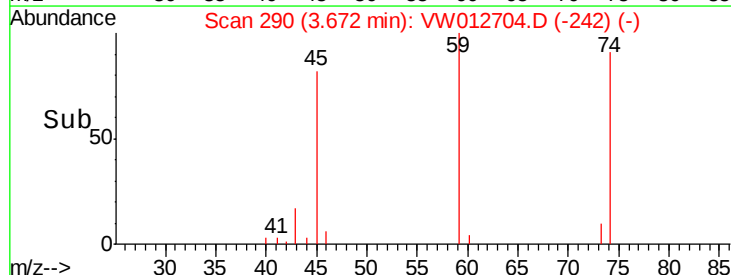
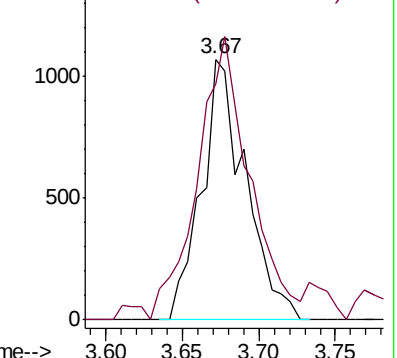
74 100

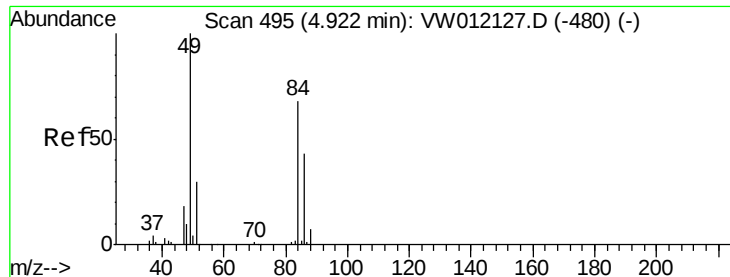
45 127.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

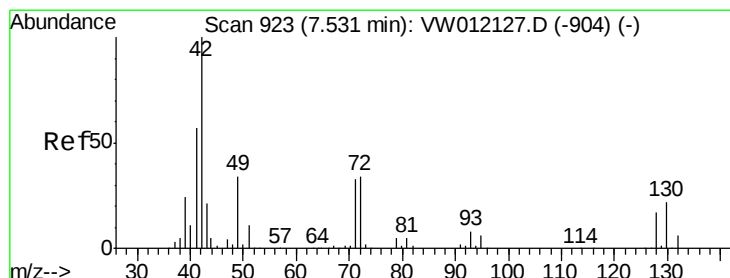
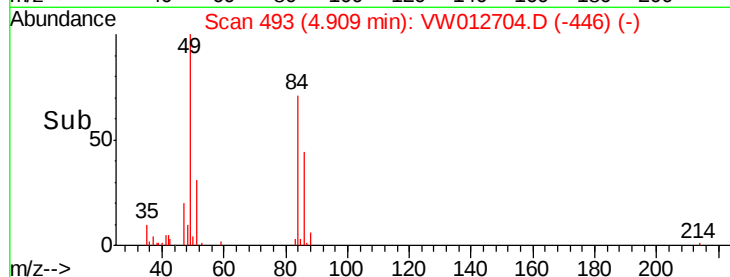
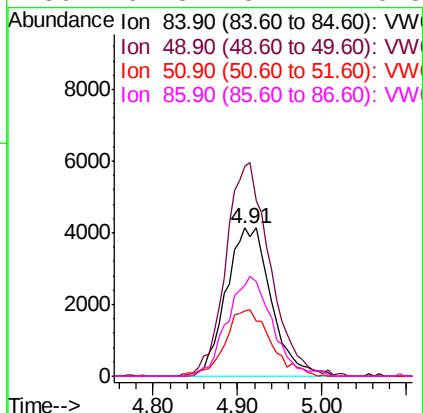
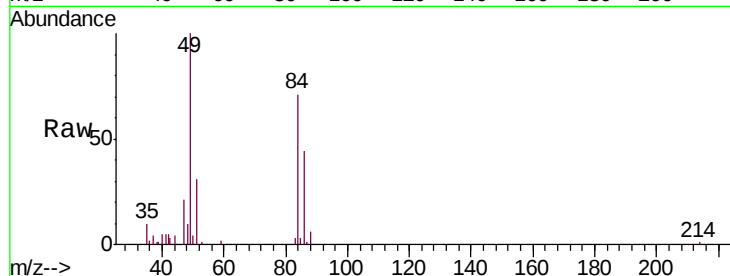




#20
Methylene Chloride
Concen: 5.371 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012704.D
Acq: 06 Sep 2019 21:40

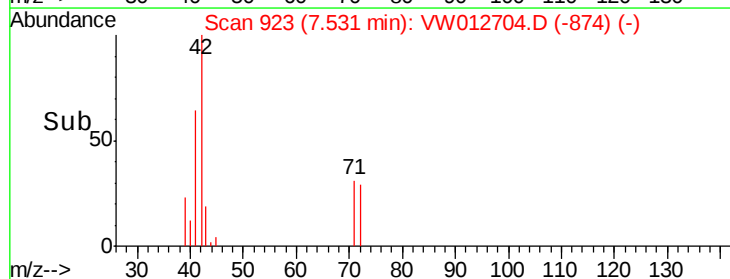
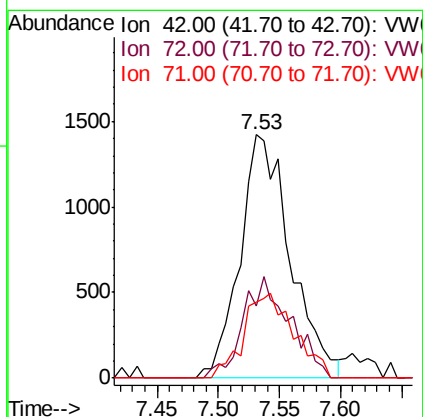
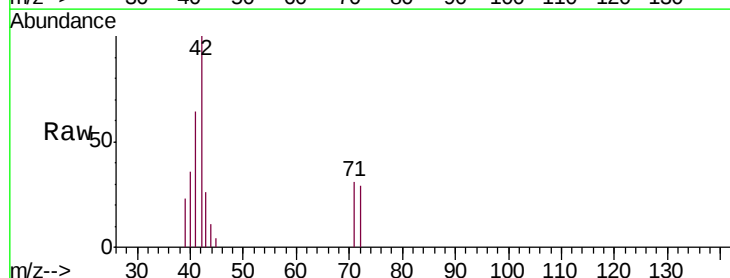
Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(3.5)

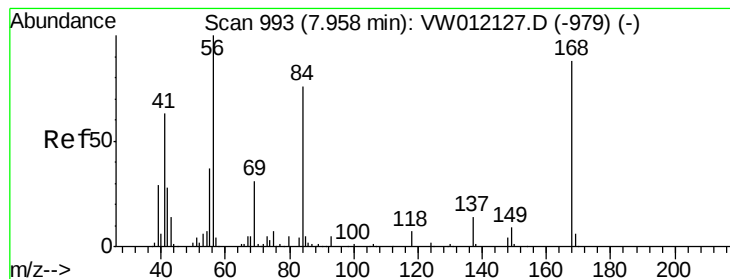
Tgt Ion:	84	Resp:	15054
Ion	Ratio	Lower	Upper
84	100		
49	140.5	117.8	176.8
51	44.3	35.6	53.4
86	61.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 6.758 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012704.D
Acq: 06 Sep 2019 21:40

Tgt Ion:	42	Resp:	4085
Ion	Ratio	Lower	Upper
42	100		
72	38.6	27.3	40.9
71	34.8	25.5	38.3





#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampled :

T12-D2-(3.5)

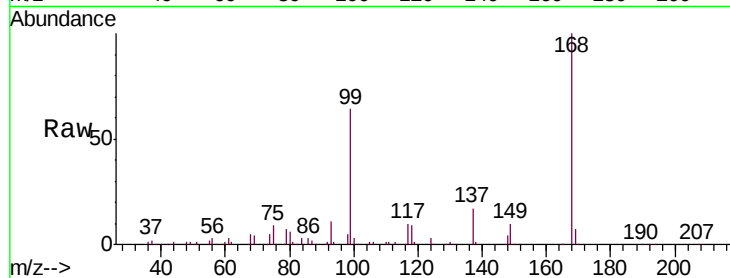
Tgt Ion: 56 Resp: 5759

Ion Ratio Lower Upper

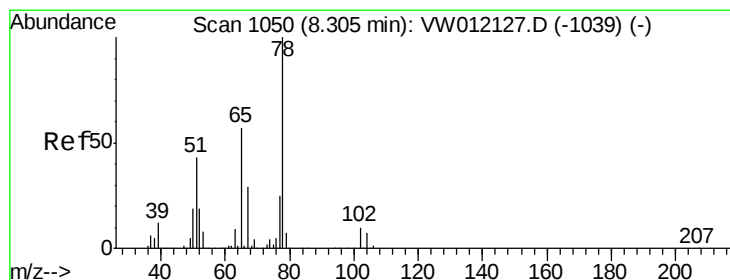
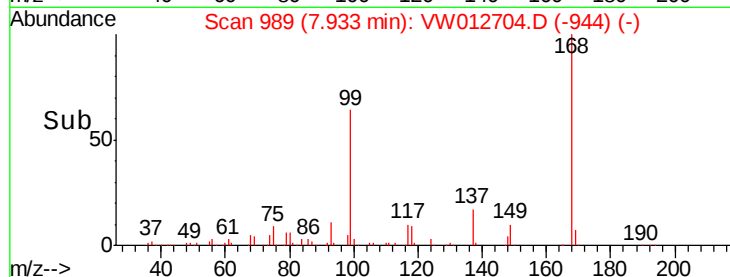
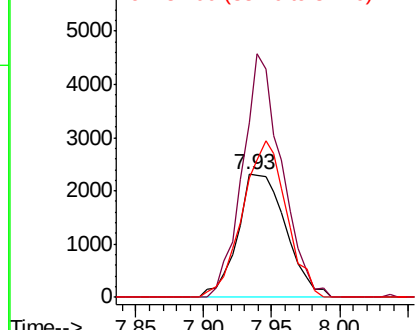
56 100

69 142.3 24.9 37.3#

84 97.4 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: 47.735 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012704.D

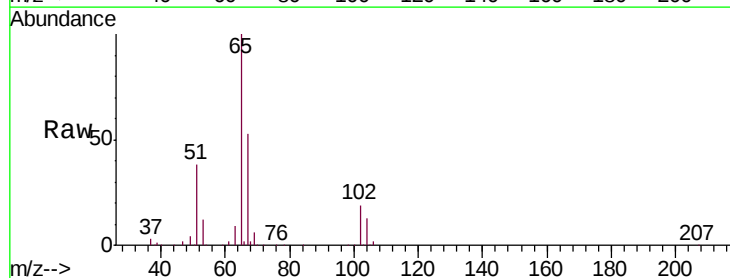
Acq: 06 Sep 2019 21:40

Tgt Ion: 65 Resp: 138451

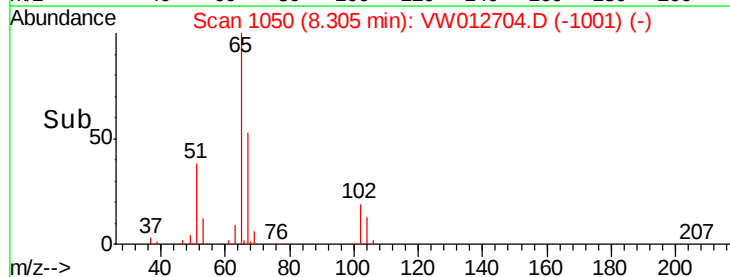
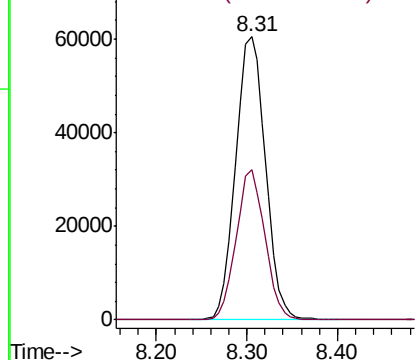
Ion Ratio Lower Upper

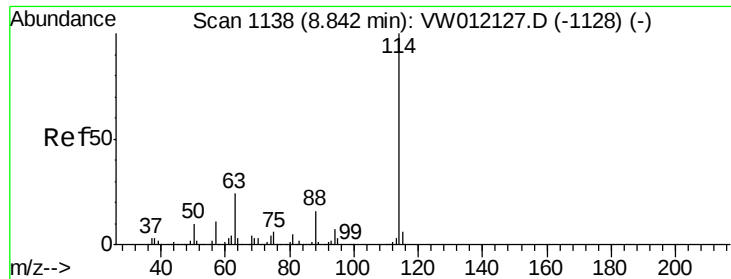
65 100

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: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

T12-D2-(3.5)

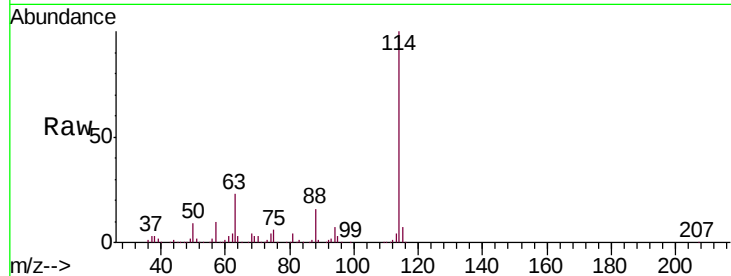
Tgt Ion:114 Resp: 373237

Ion Ratio Lower Upper

114 100

63 23.0 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

250000

200000

150000

100000

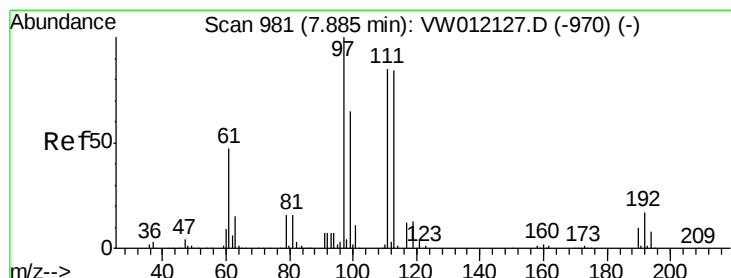
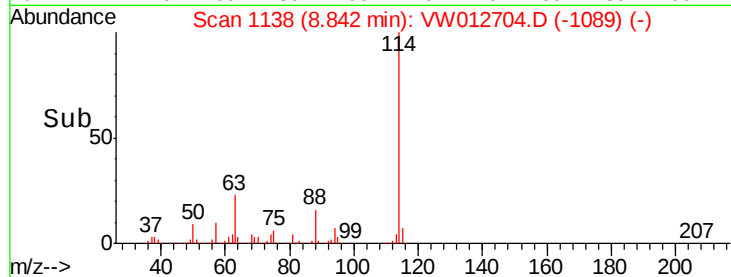
50000

0

8.80

8.90

Time-->



#35

Dibromofluoromethane

Concen: 49.272 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

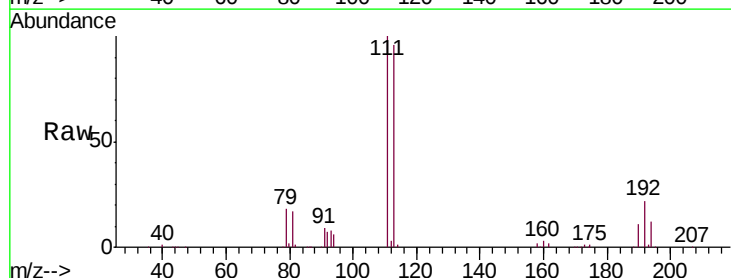
Tgt Ion:113 Resp: 109771

Ion Ratio Lower Upper

113 100

111 102.2 82.7 124.1

192 21.9 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

60000

50000

40000

30000

20000

10000

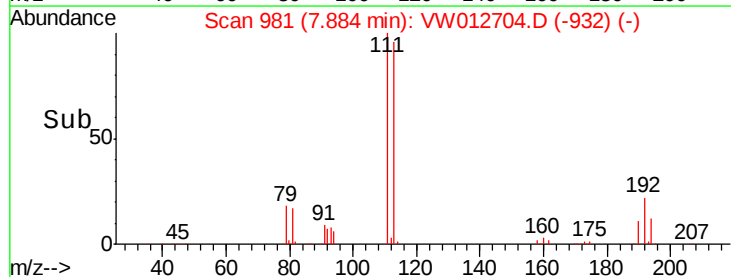
0

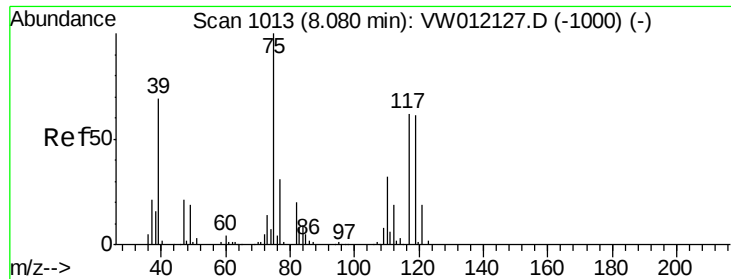
7.80

7.90

8.00

Time-->

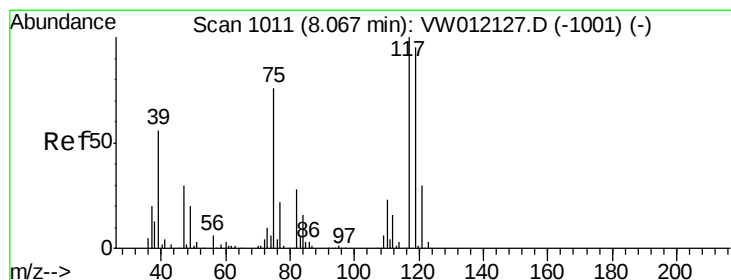
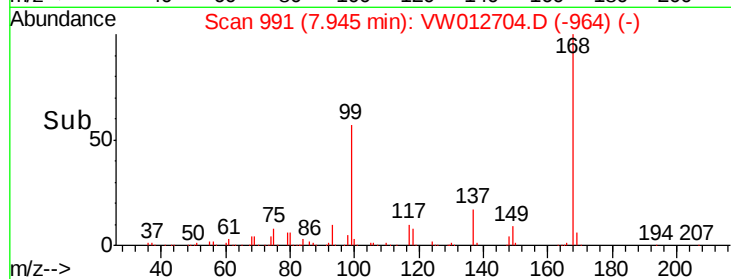
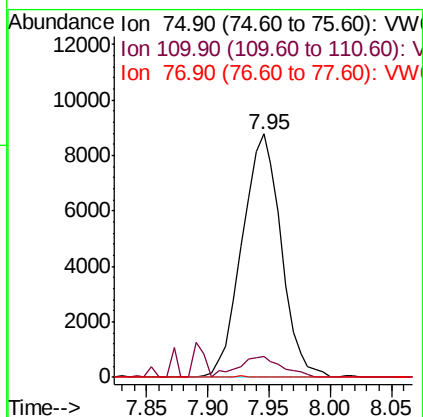
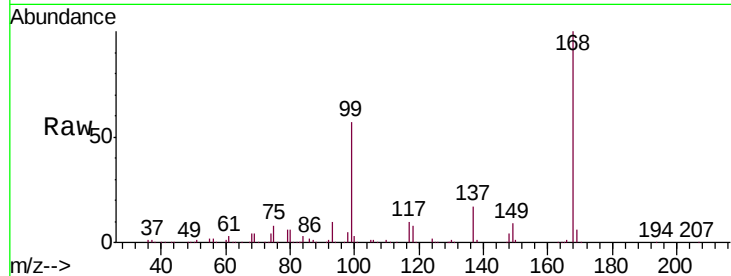




#36
 1,1-Dichloropropene
 Concen: 5.051 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012704.D
 Acq: 06 Sep 2019 21:40

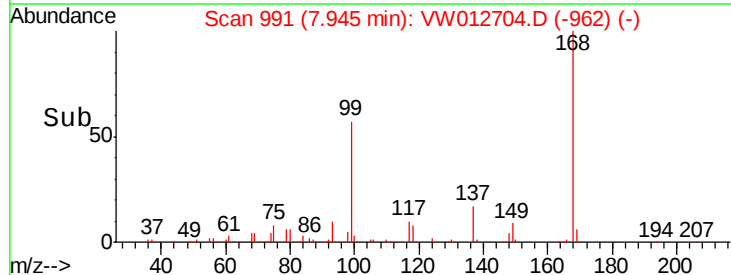
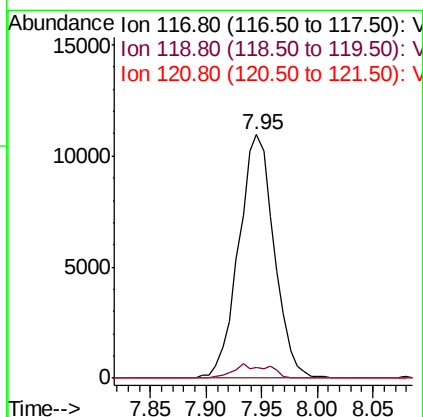
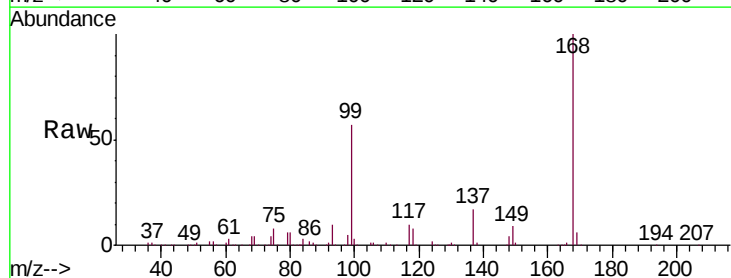
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D2-(3.5)

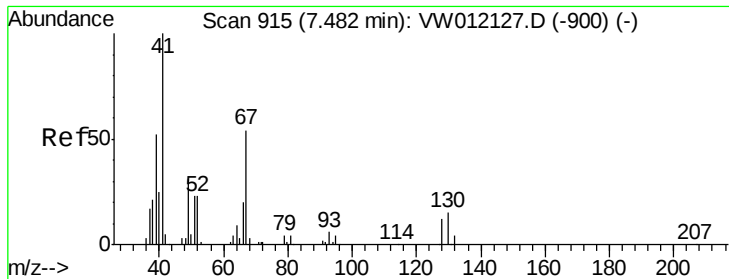
Tgt Ion: 75 Resp: 19482
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.248 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012704.D
 Acq: 06 Sep 2019 21:40

Tgt Ion: 117 Resp: 24195
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.049 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

T12-D2-(3.5)

Tgt Ion: 41 Resp: 2545

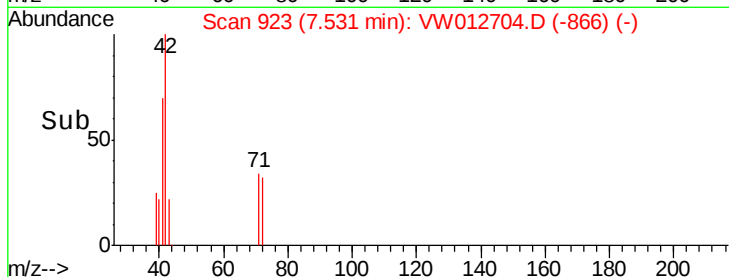
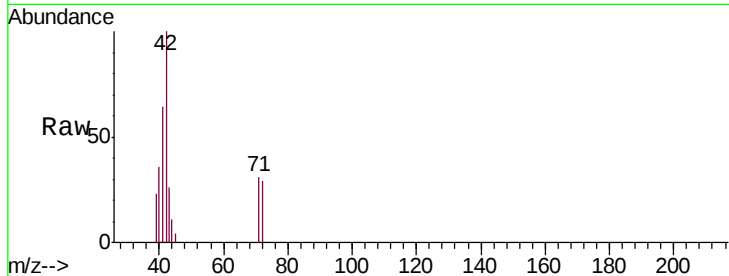
Ion Ratio Lower Upper

41 100

39 47.2 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

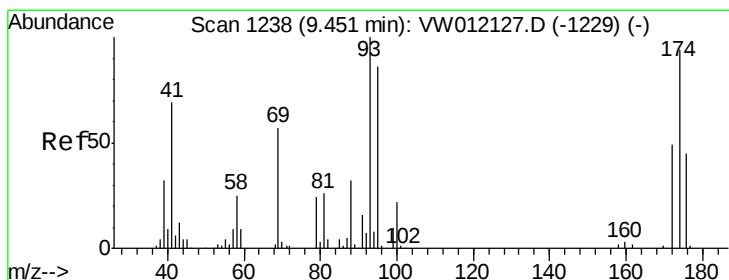
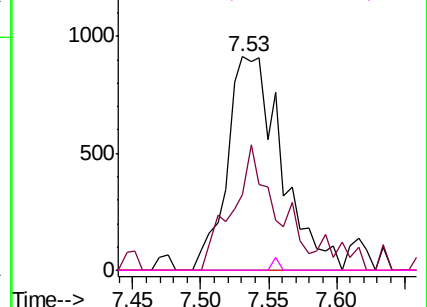


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.295 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

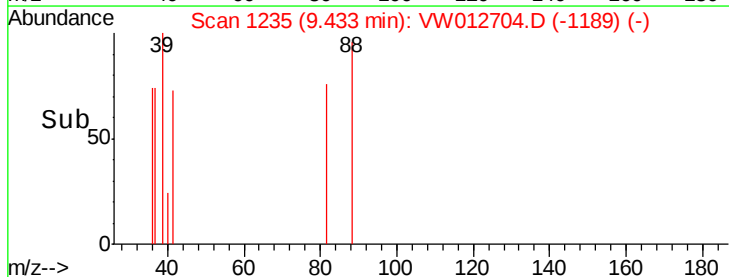
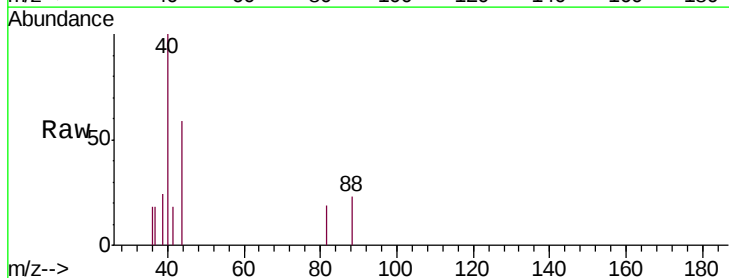
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 96.0 32.9 49.3#

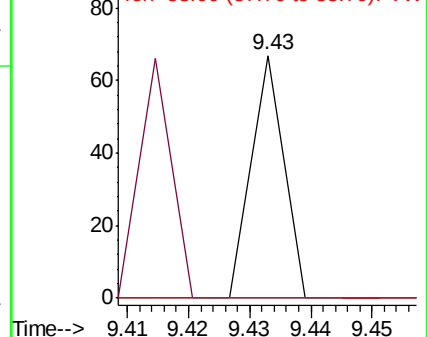
58 0.0 71.0 106.4#

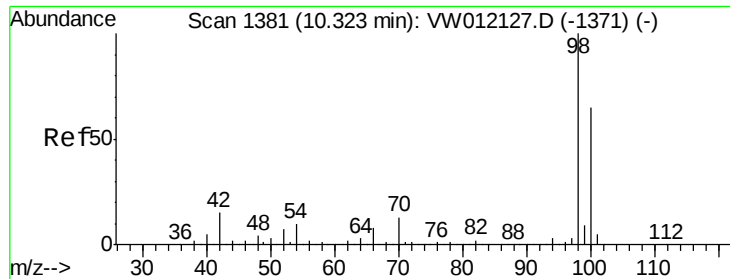


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 47.896 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

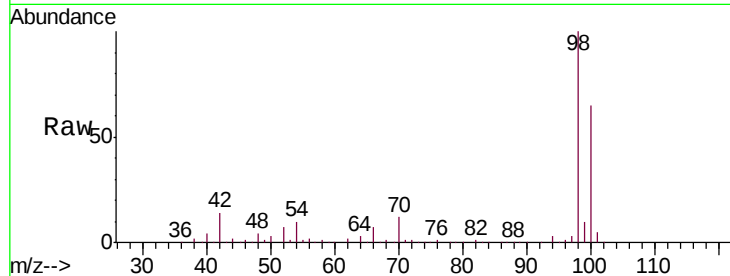
T12-D2-(3.5)

Tgt Ion: 98 Resp: 432661

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

10.32

250000

200000

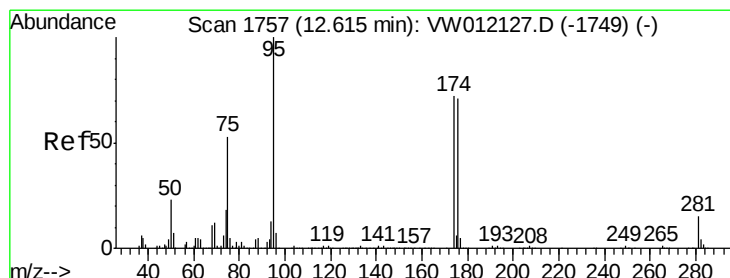
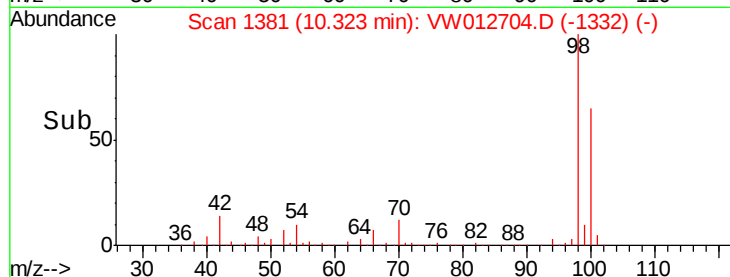
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 39.457 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

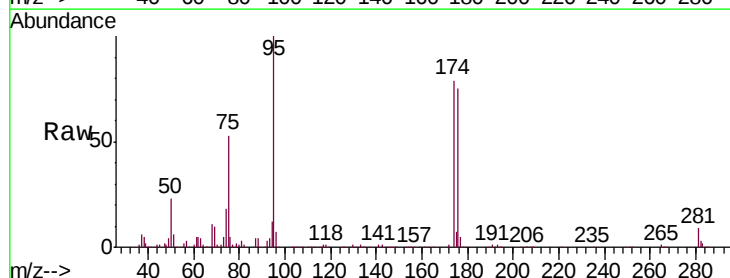
Tgt Ion: 95 Resp: 125642

Ion Ratio Lower Upper

95 100

174 82.3 0.0 150.8

176 78.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

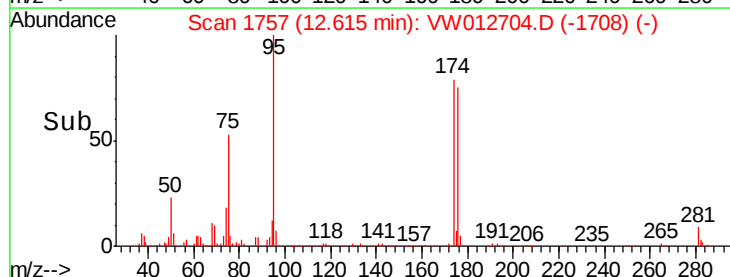
60000

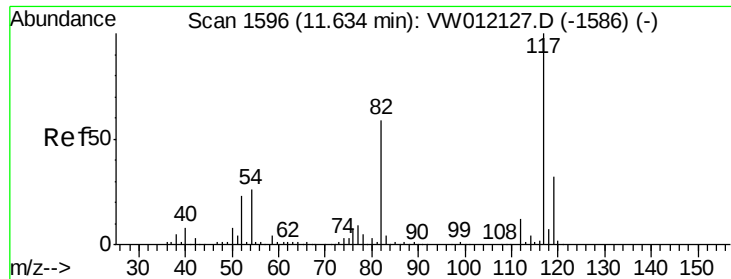
40000

20000

0

Time--> 12.50 12.60 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

T12-D2-(3.5)

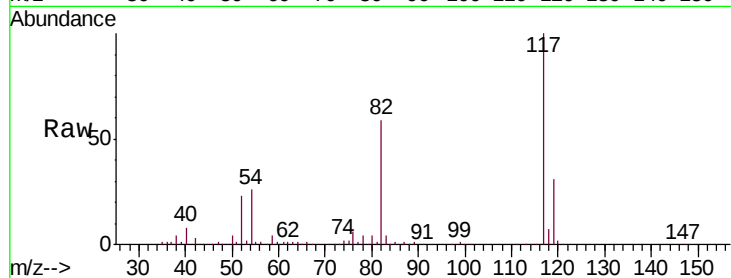
Tgt Ion:117 Resp: 292089

Ion Ratio Lower Upper

117 100

82 58.8 47.4 71.2

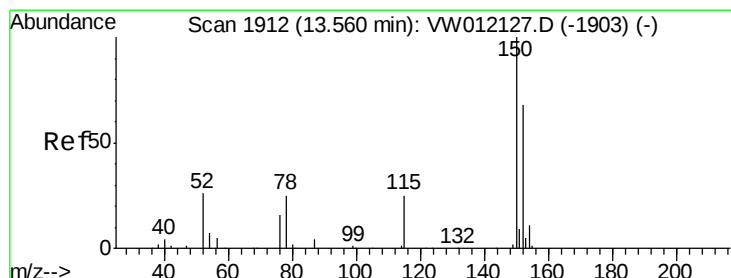
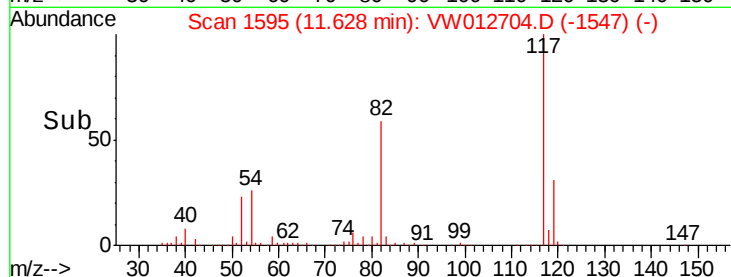
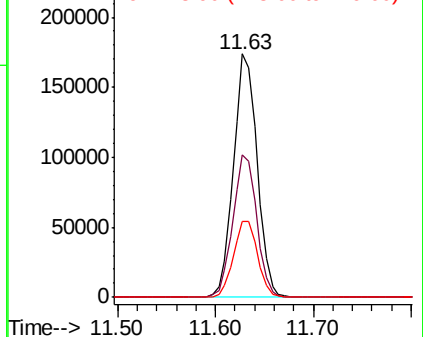
119 31.2 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

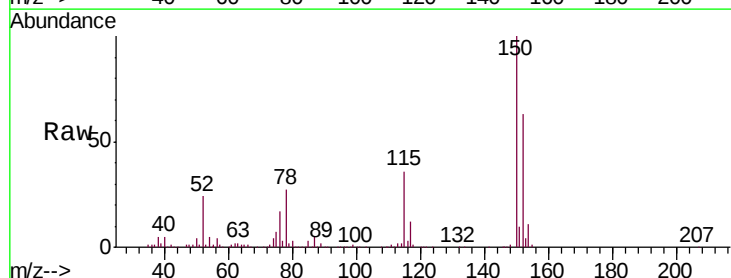
Tgt Ion:152 Resp: 105220

Ion Ratio Lower Upper

152 100

115 58.2 30.1 90.3

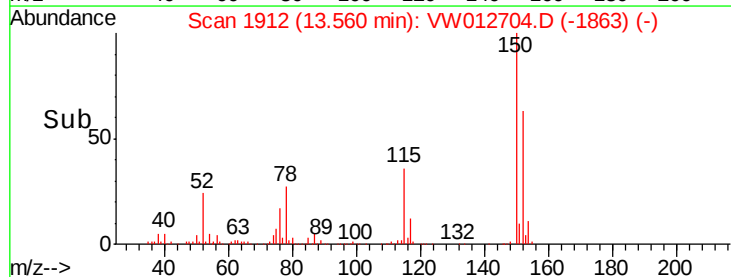
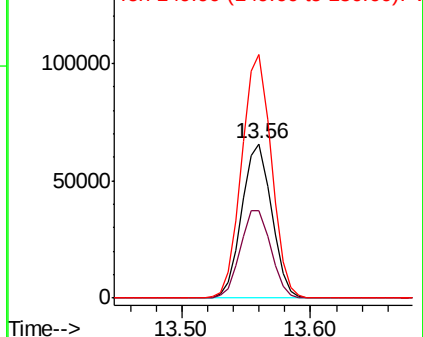
150 157.3 0.0 345.8

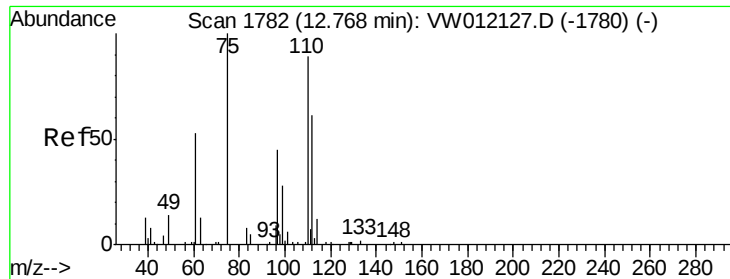


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 65.634 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

Instrument :

MSVOA_W

ClientSampleId :

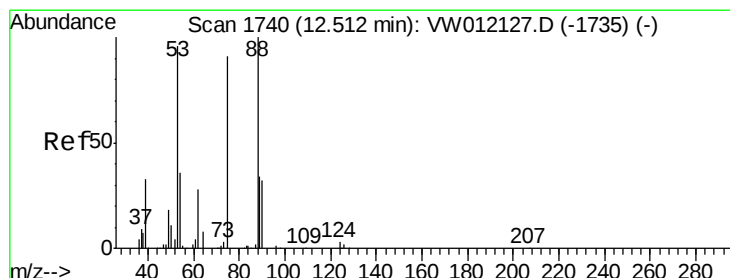
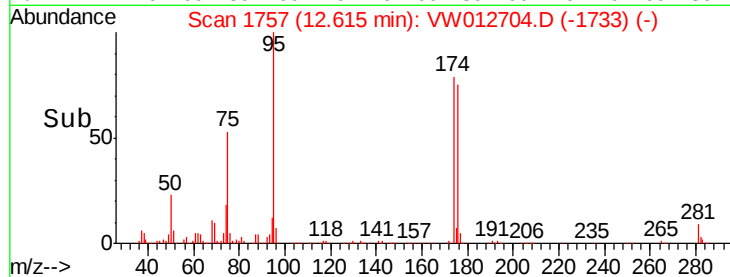
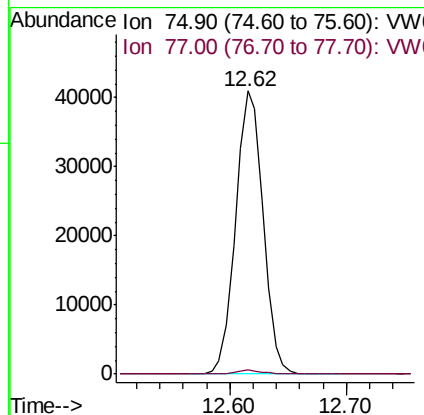
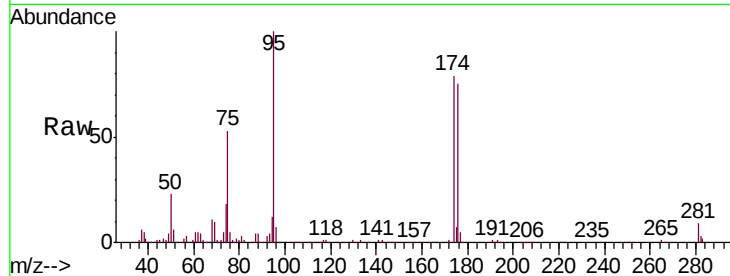
T12-D2-(3.5)

Tgt Ion: 75 Resp: 67260

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.906 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012704.D

Acq: 06 Sep 2019 21:40

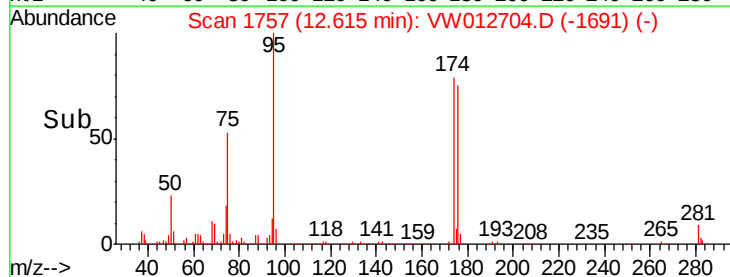
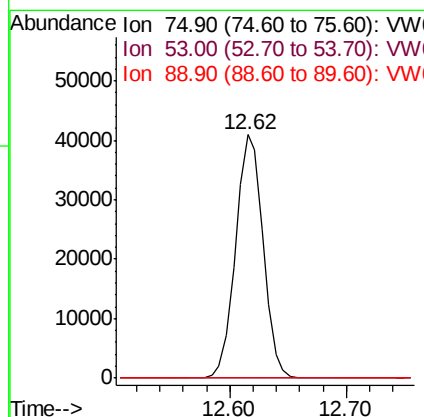
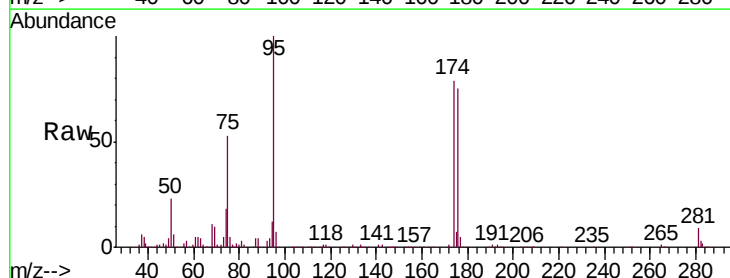
Tgt Ion: 75 Resp: 67260

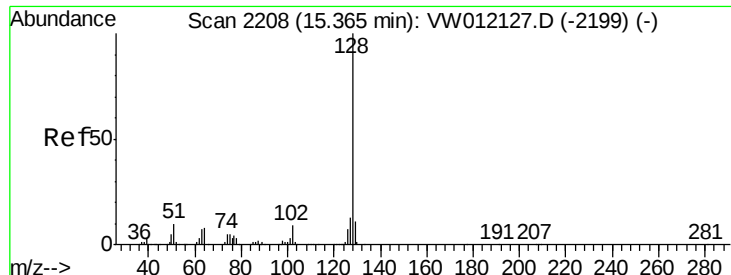
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.2 34.5 51.7#

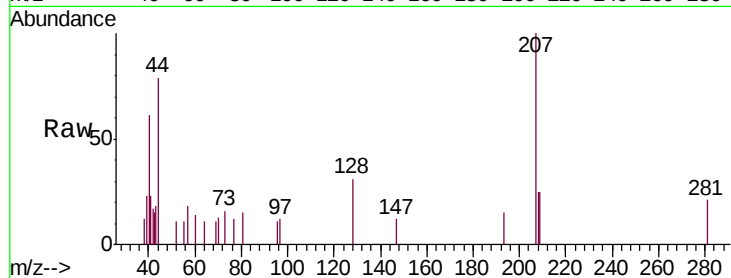




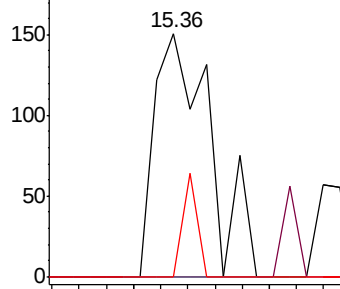
#95
Naphthalene
Concen: 4.370 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012704.D
Acq: 06 Sep 2019 21:40

Instrument :
MSVOA_W
ClientSampleId :
T12-D2-(3.5)

Tgt Ion:128 Resp: 214
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 10.7 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



Time-->

