

Data File : VW012190.D
Acq On : 26 Aug 2019 23:50
Operator : SY/VA
Sample : K4472-06
Misc : 5.47G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(2.5)

Quant Time: Aug 27 05:01:09 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	238847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	403872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	104372	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	161062	56.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.46%	
35) Dibromofluoromethane	7.88	113	126720	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.32	98	504135	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	143932	41.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.54%	

Target Compounds

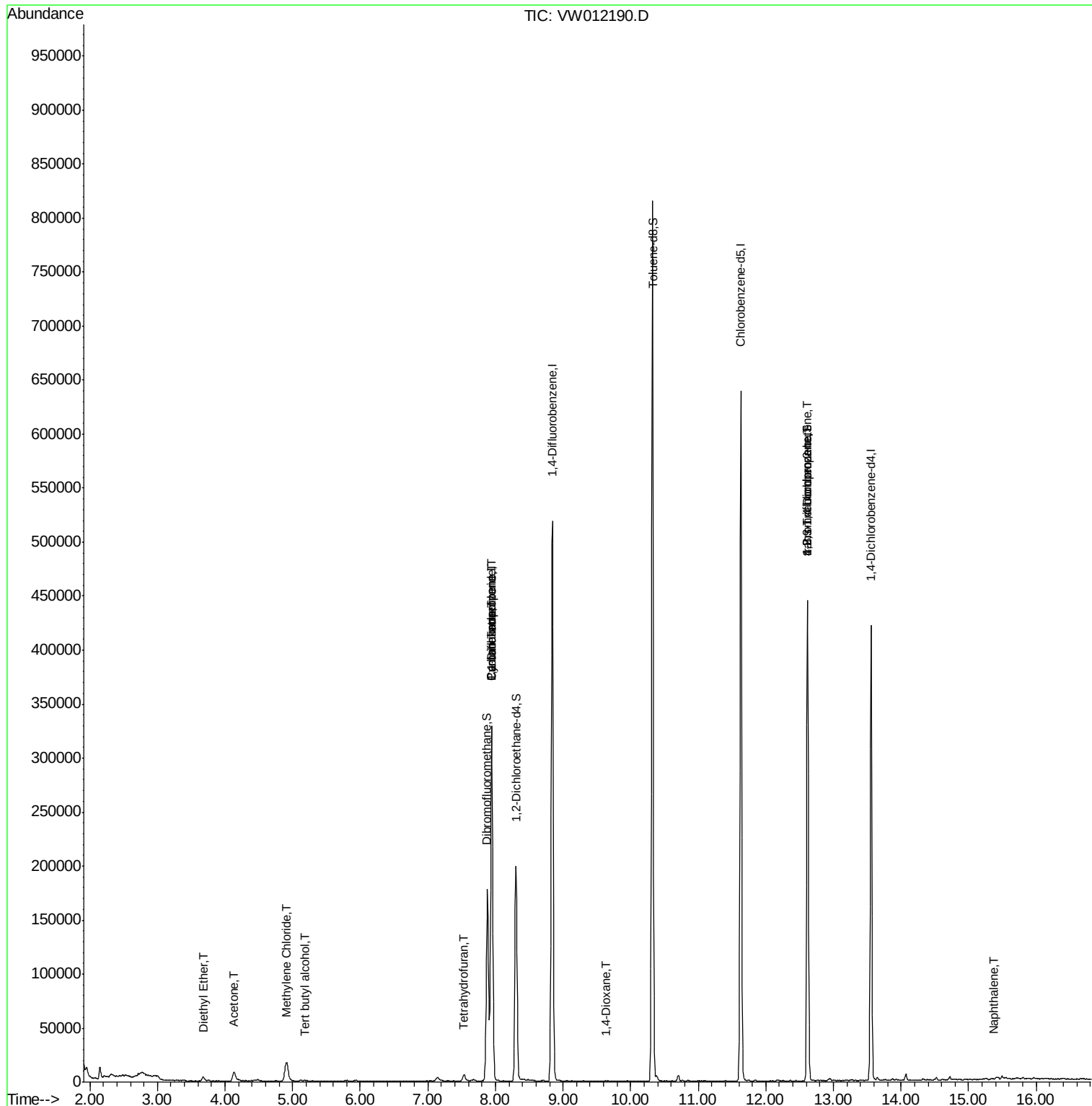
						Qvalue
8) Diethyl Ether	3.67	74	1863	1.402	ug/l	95
11) Tert butyl alcohol	5.17	59	301	1.762	ug/l #	1
16) Acetone	4.14	43	18182	25.051	ug/l	97
20) Methylene Chloride	4.91	84	13156	4.795	ug/l	98
29) Tetrahydrofuran	7.54	42	5794	9.792	ug/l	98
31) Cyclohexane	7.94	56	6080	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	21095	5.054	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24656	6.826	ug/l #	16
49) 1,4-Dioxane	9.63	88	25	1.197	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	76559	75.316	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76559	165.132	ug/l #	6
95) Naphthalene	15.36	128	184	4.364	ug/l #	81

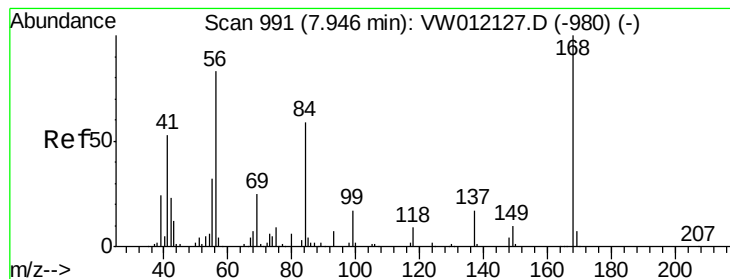
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012190.D

Acq: 26 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

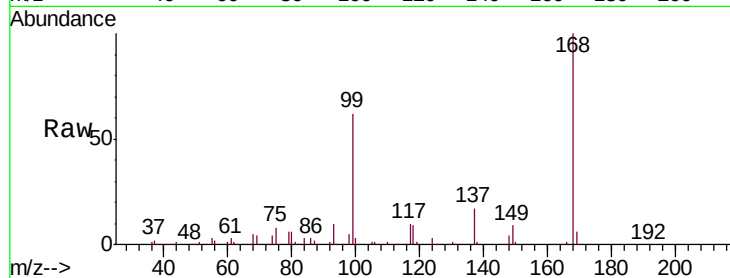
T1-S3-(2.5)

Tgt Ion:168 Resp: 238847

Ion Ratio Lower Upper

168 100

99 62.0 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

120000

100000

80000

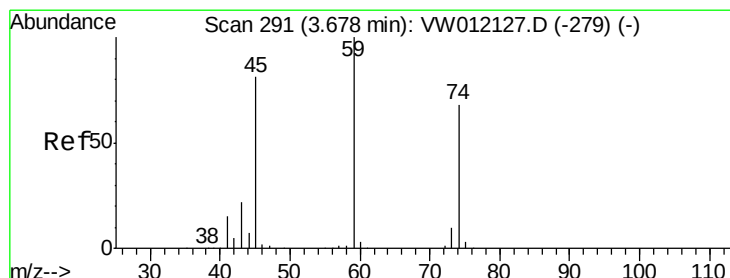
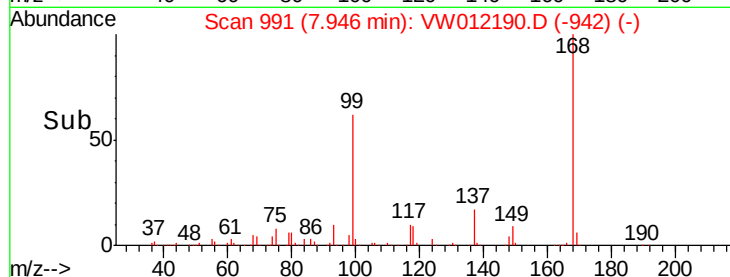
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.402 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012190.D

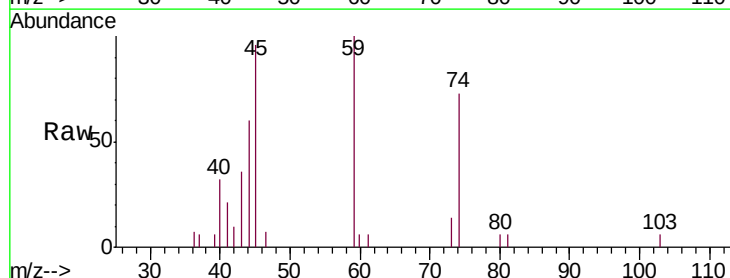
Acq: 26 Aug 2019 23:50

Tgt Ion: 74 Resp: 1863

Ion Ratio Lower Upper

74 100

45 124.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1000

800

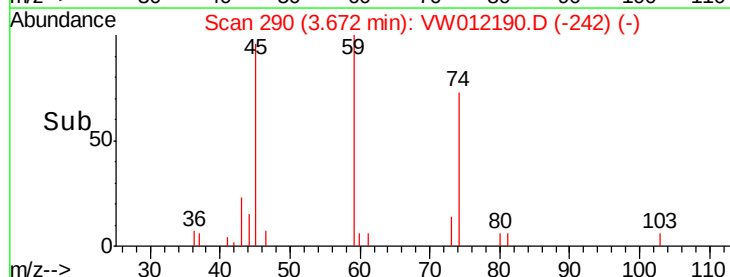
600

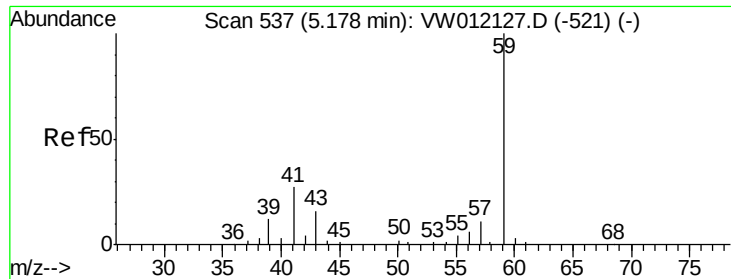
400

200

0

Time-->

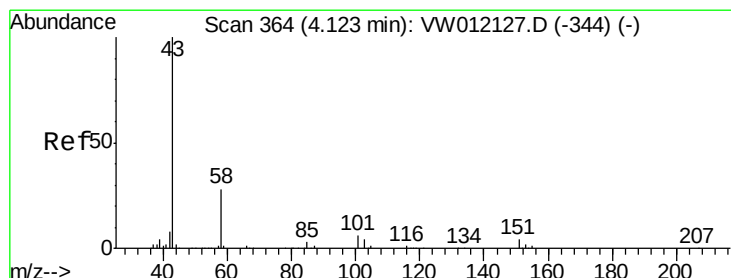
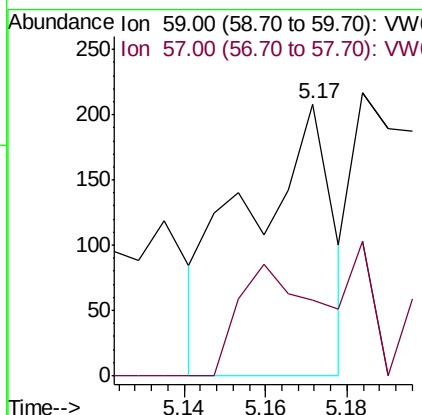
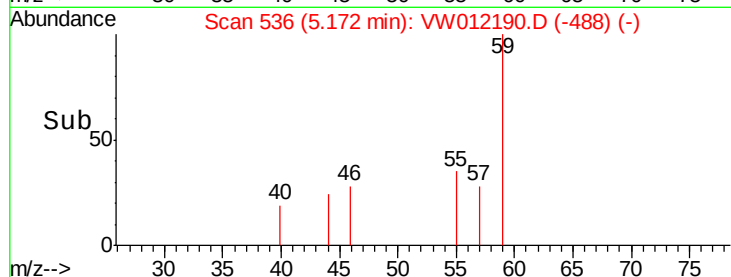
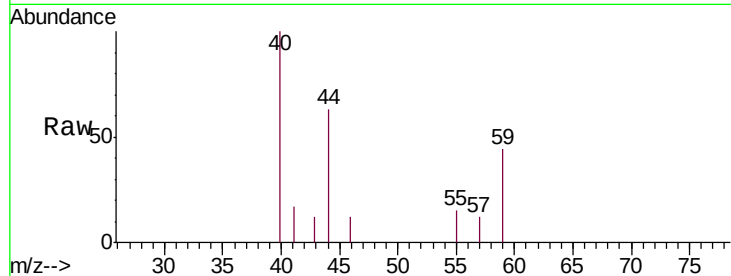




#11
Tert butyl alcohol
Concen: 1.762 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

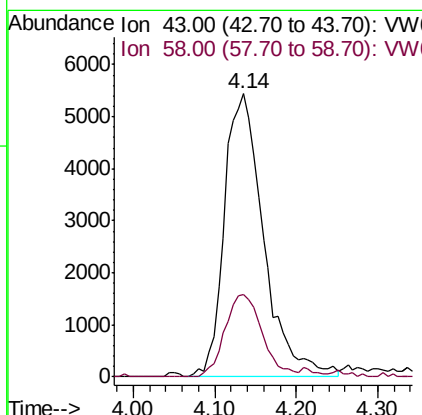
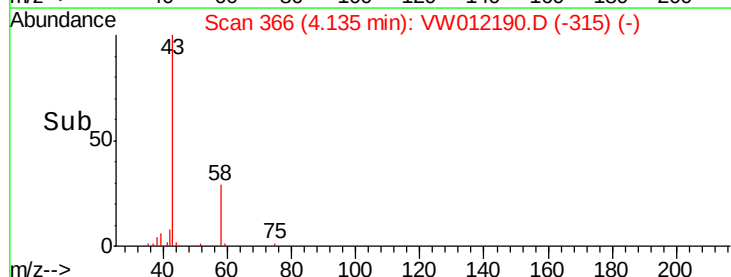
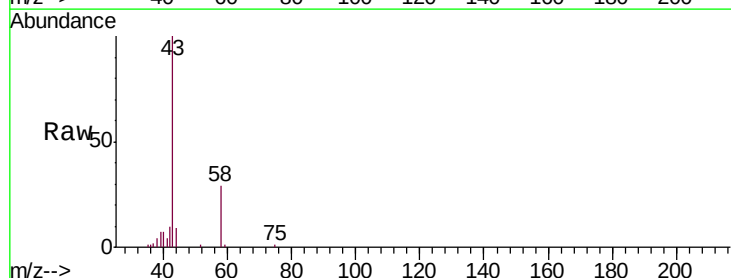
Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(2.5)

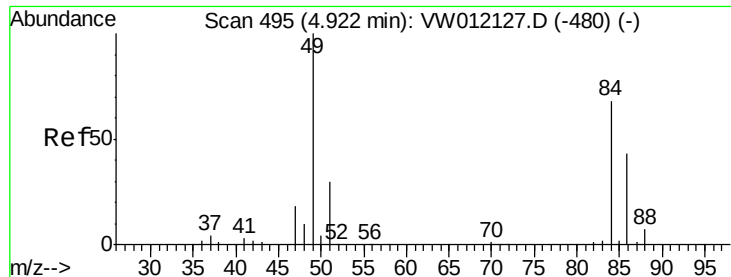
Tgt Ion: 59 Resp: 301
Ion Ratio Lower Upper
59 100
57 50.8 9.0 13.4#



#16
Acetone
Concen: 25.051 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

Tgt Ion: 43 Resp: 18182
Ion Ratio Lower Upper
43 100
58 29.3 22.4 33.6

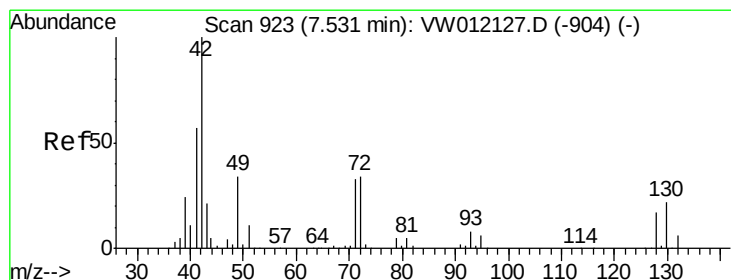
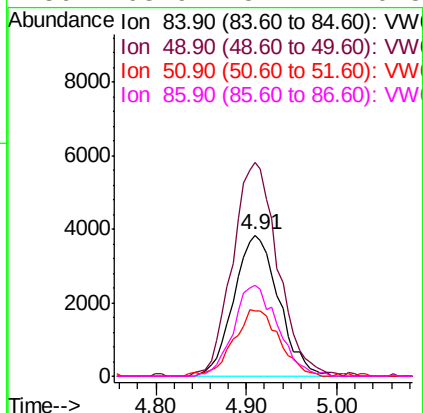
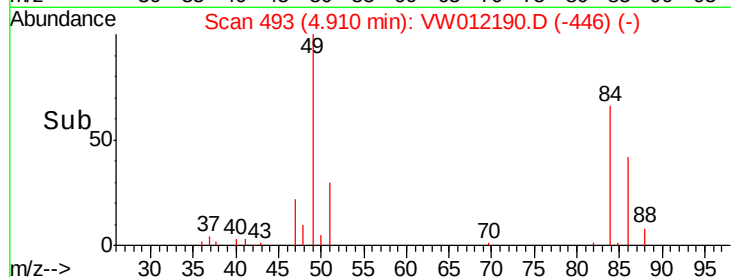
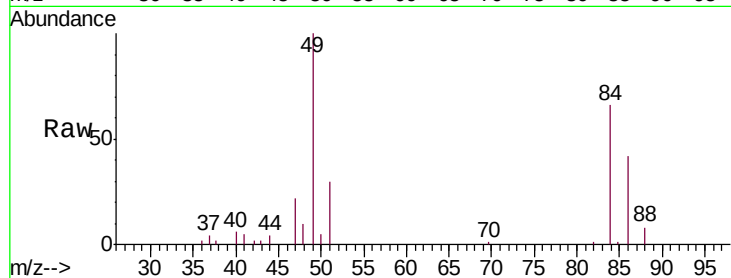




#20
Methylene Chloride
Concen: 4.795 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

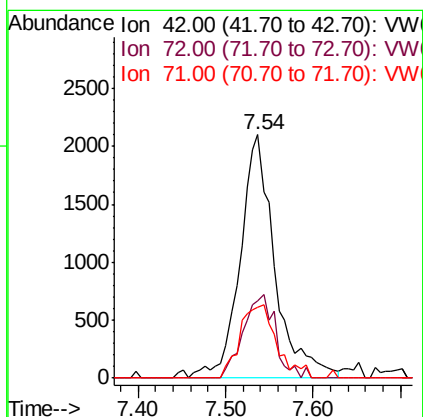
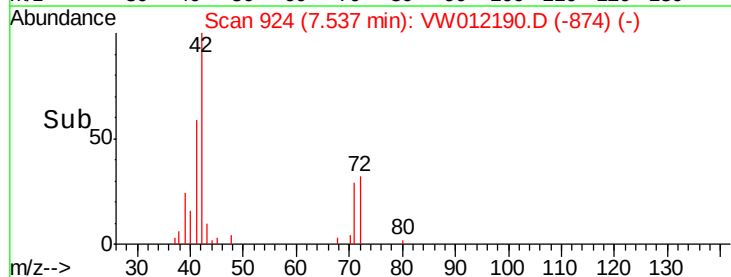
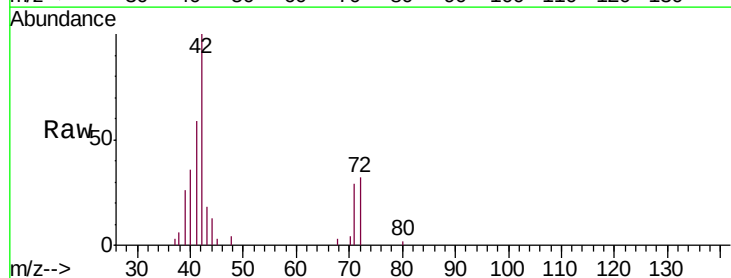
Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(2.5)

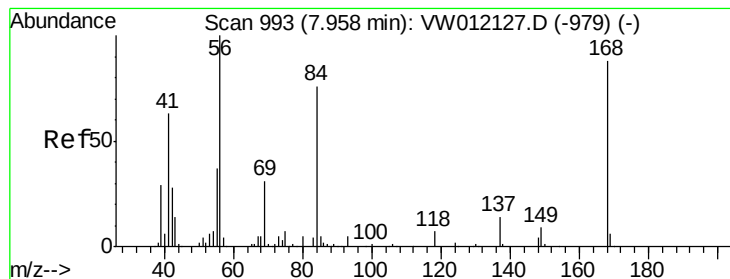
Tgt Ion: 84 Resp: 13156
Ion Ratio Lower Upper
84 100
49 151.0 117.8 176.8
51 44.4 35.6 53.4
86 63.9 51.2 76.8



#29
Tetrahydrofuran
Concen: 9.792 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

Tgt Ion: 42 Resp: 5794
Ion Ratio Lower Upper
42 100
72 31.8 27.3 40.9
71 31.6 25.5 38.3





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(2.5)

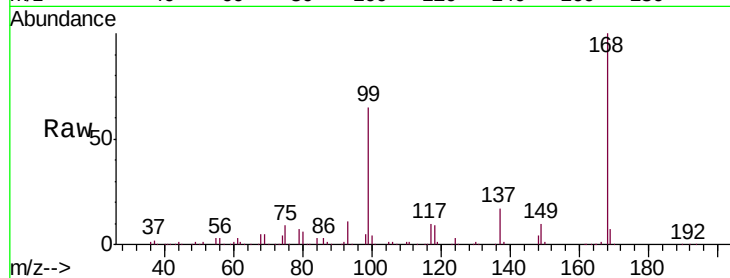
Tgt Ion: 56 Resp: 6080

Ion Ratio Lower Upper

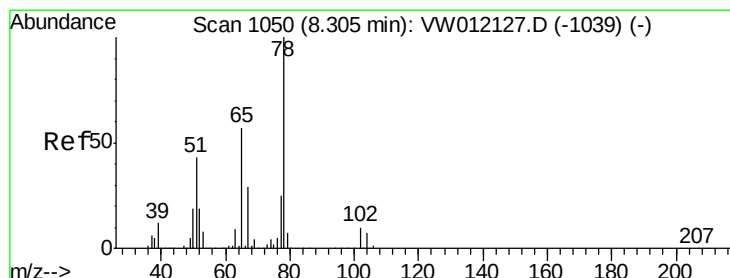
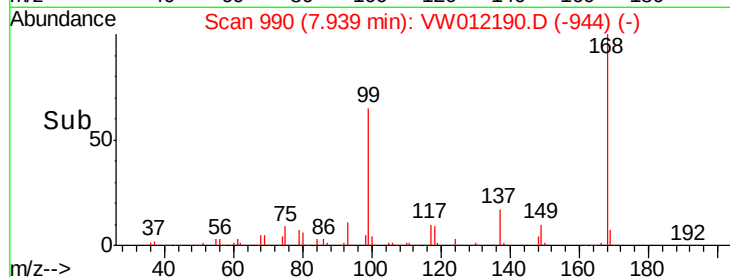
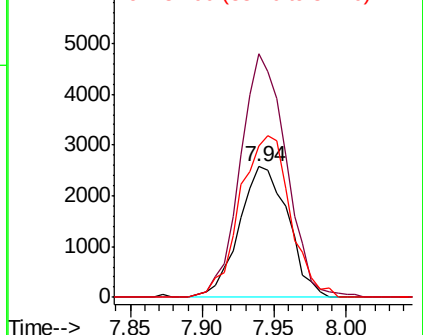
56 100

69 186.1 24.9 37.3#

84 115.7 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: 56.726 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012190.D

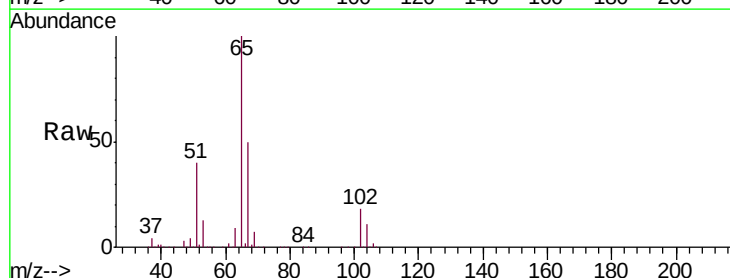
Acq: 26 Aug 2019 23:50

Tgt Ion: 65 Resp: 161062

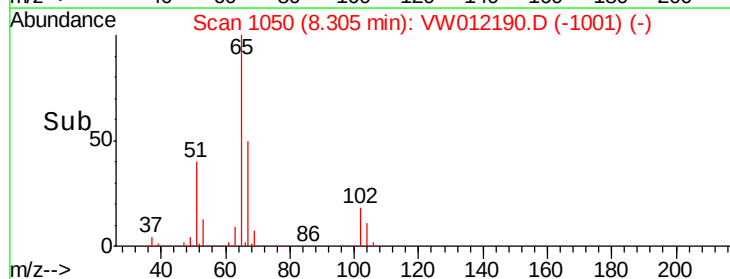
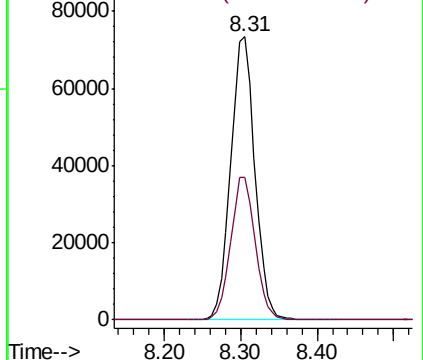
Ion Ratio Lower Upper

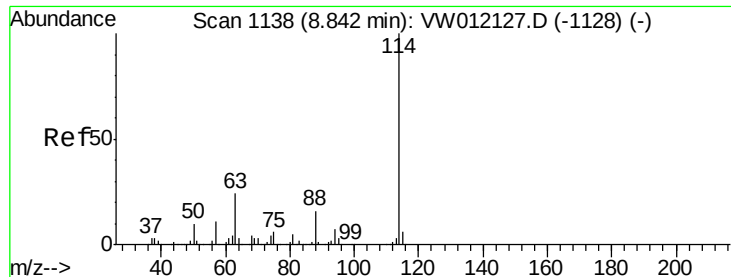
65 100

67 51.1 0.0 102.6



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

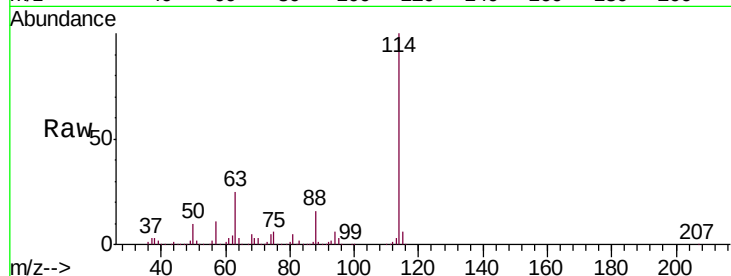




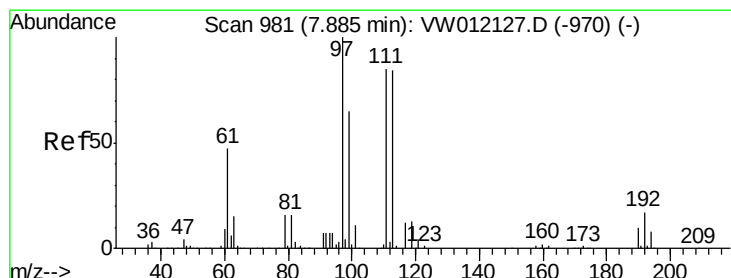
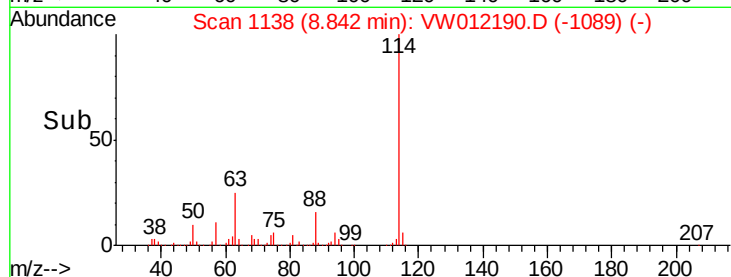
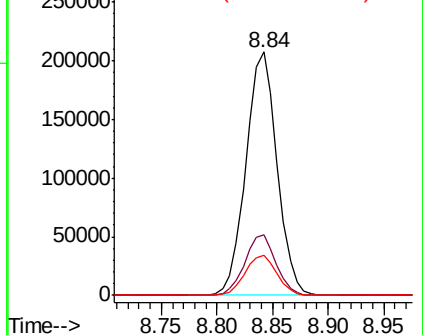
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012190.D
 Acq: 26 Aug 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S3-(2.5)

Tgt Ion:114 Resp: 403872
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 16.2 0.0 32.2

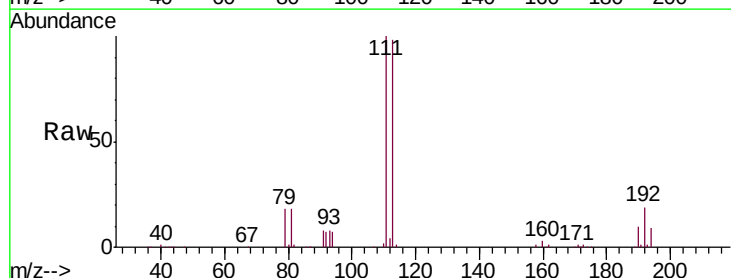


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

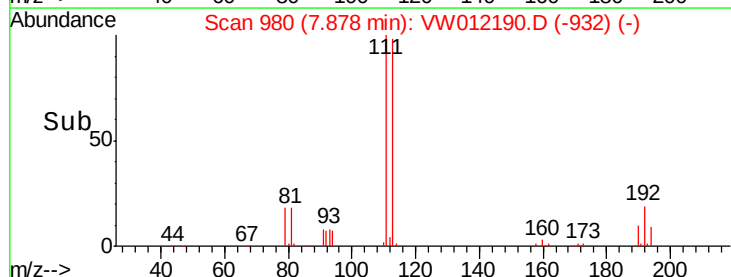
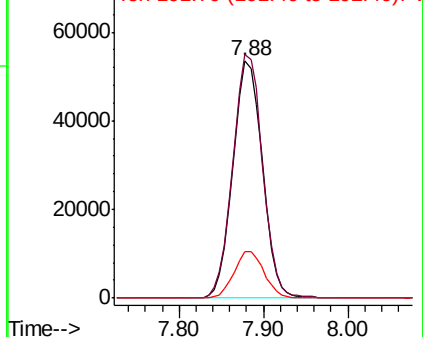


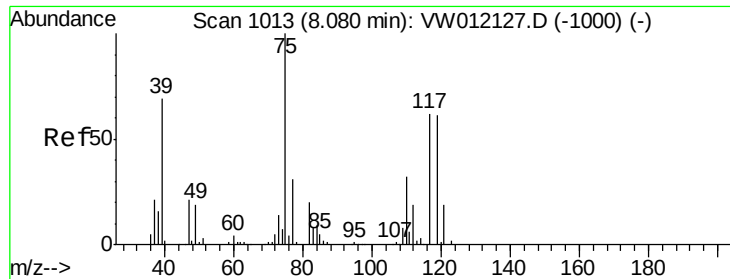
#35
 Dibromofluoromethane
 Concen: 52.565 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012190.D
 Acq: 26 Aug 2019 23:50

Tgt Ion:113 Resp: 126720
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.0 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: 5.054 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(2.5)

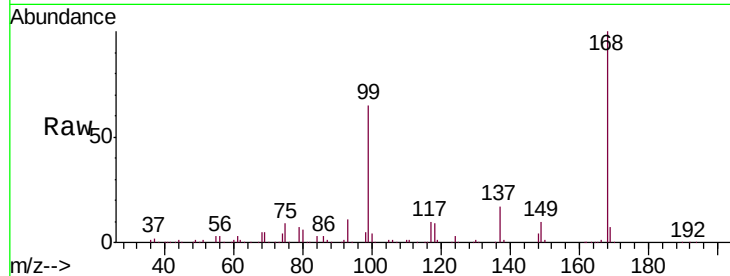
Tgt Ion: 75 Resp: 21095

Ion Ratio Lower Upper

75 100

110 8.3 15.6 46.8#

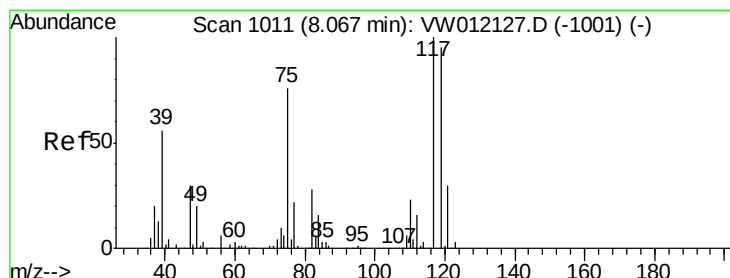
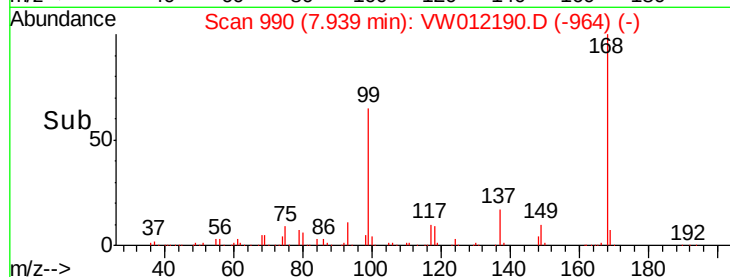
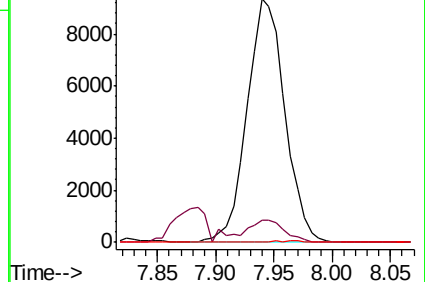
77 0.3 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.826 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

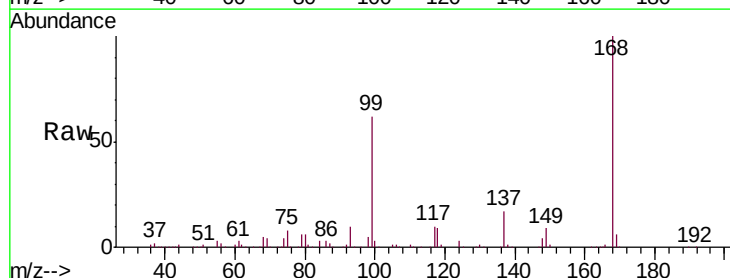
Tgt Ion: 117 Resp: 24656

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

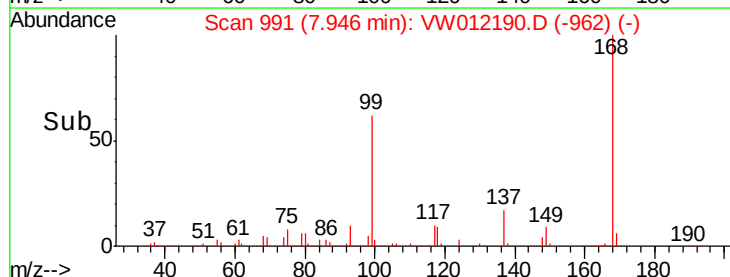
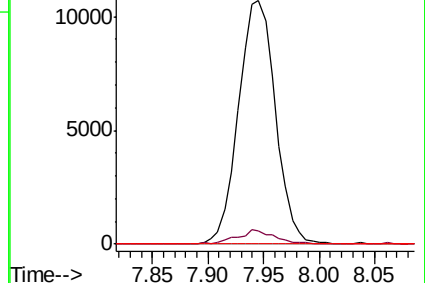
121 0.0 23.8 35.8#

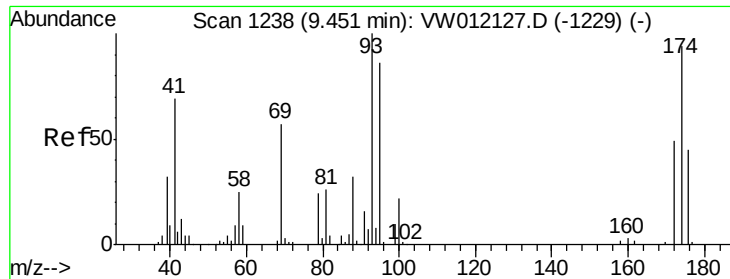


Abundance Ion 116.80 (116.50 to 117.50): VW

Ion 118.80 (118.50 to 119.50): VW

Ion 120.80 (120.50 to 121.50): VW





#49

1,4-Dioxane

Concen: 1.197 ug/l

RT: 9.63 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(2.5)

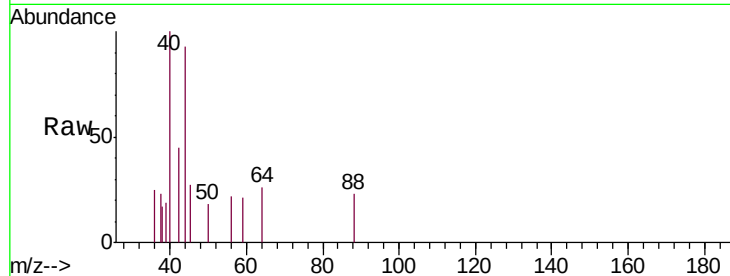
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

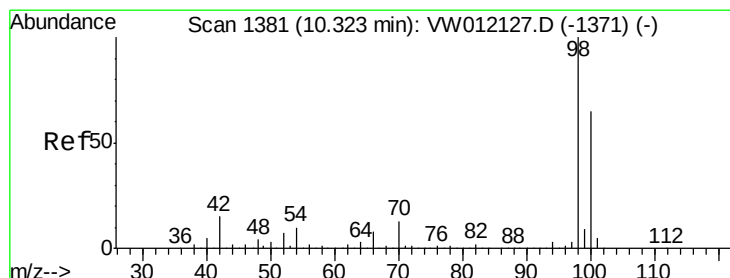
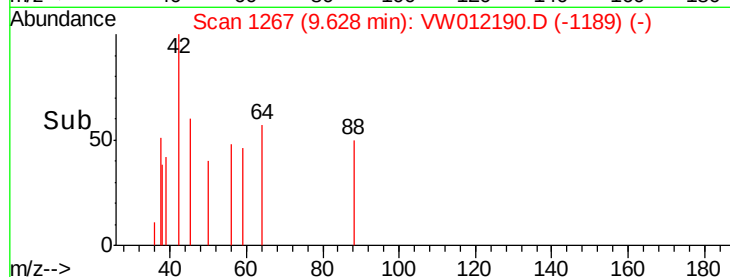
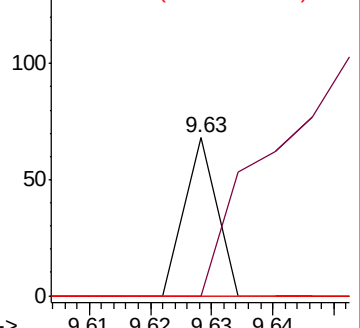
58 0.0 71.0 106.4#



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: 51.575 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012190.D

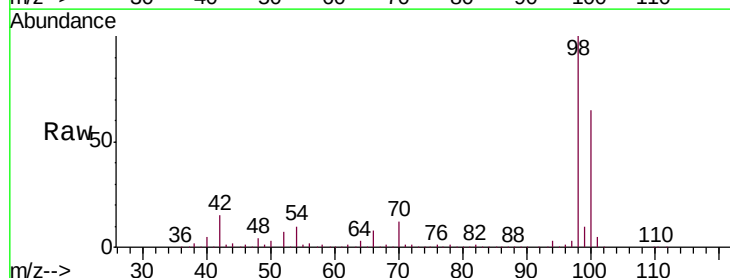
Acq: 26 Aug 2019 23:50

Tgt Ion: 98 Resp: 504135

Ion Ratio Lower Upper

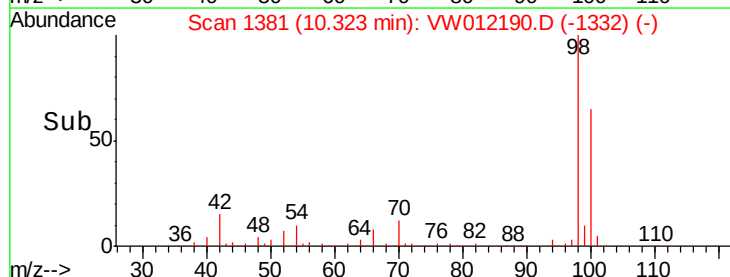
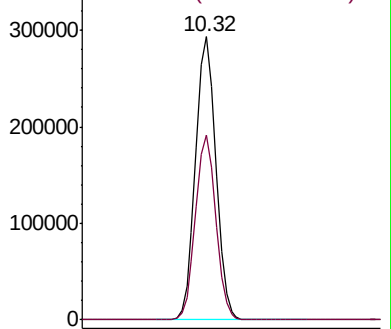
98 100

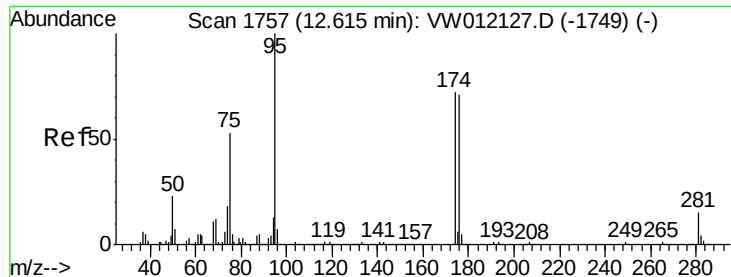
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

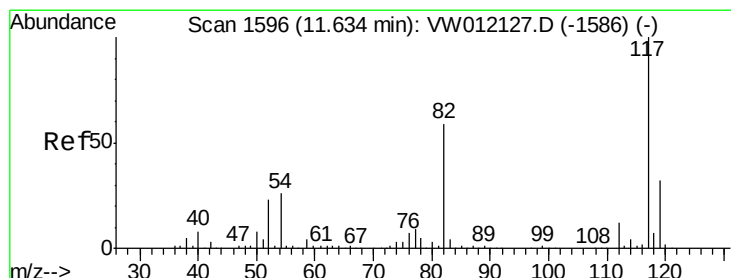
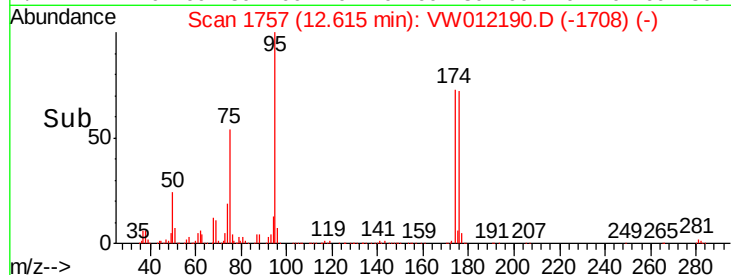
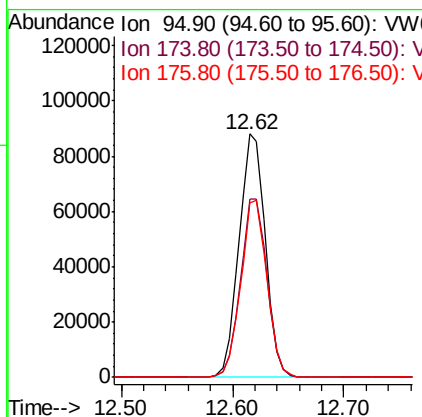
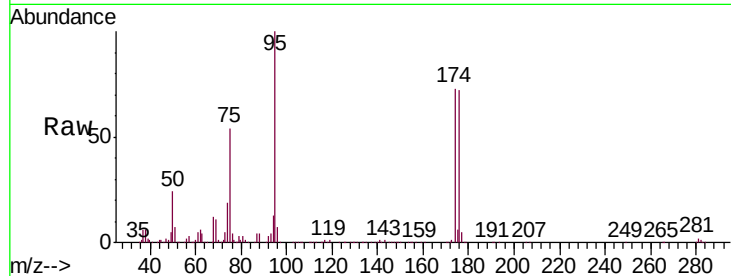




#62
4-Bromofluorobenzene
Concen: 41.773 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

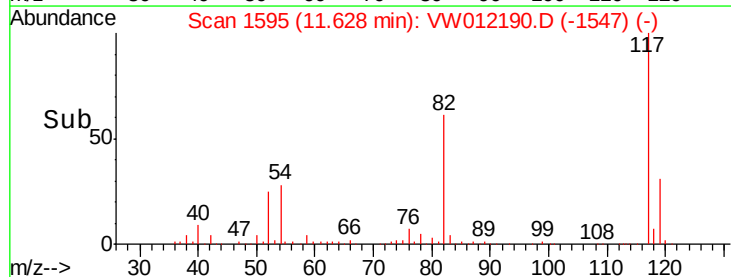
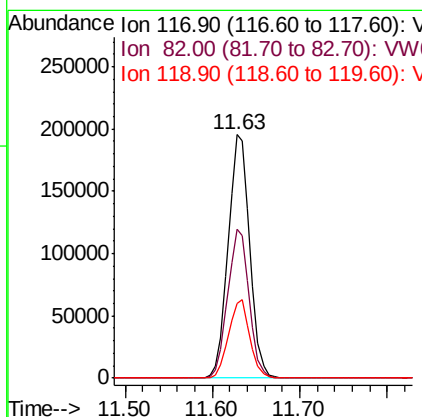
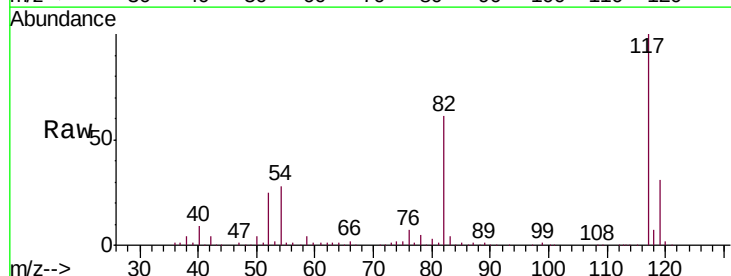
Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(2.5)

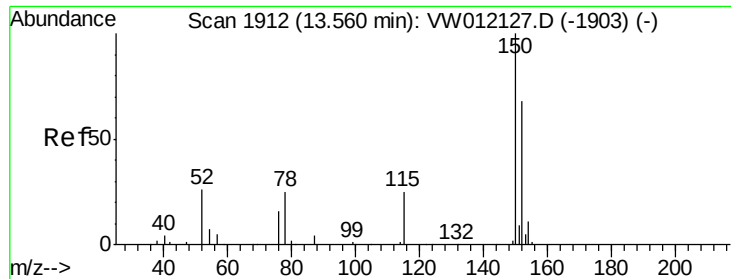
Tgt Ion: 95 Resp: 143932
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.8
176 72.1 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

Tgt Ion: 117 Resp: 334152
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 30.8 25.4 38.2



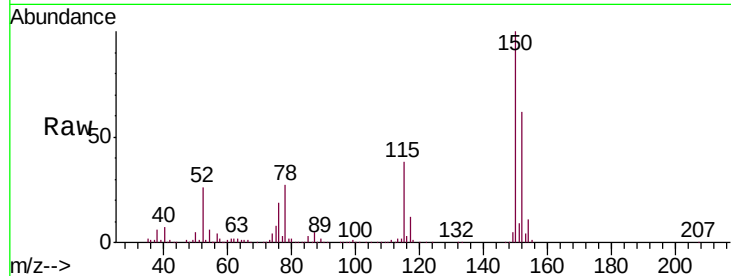


#72

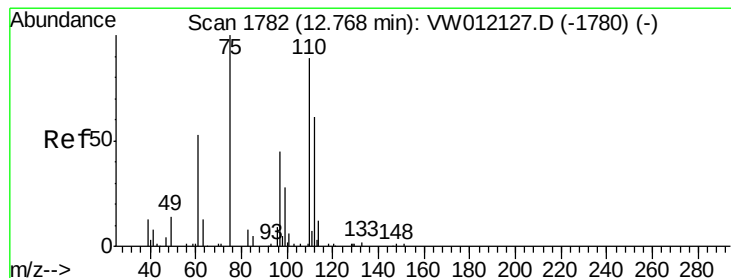
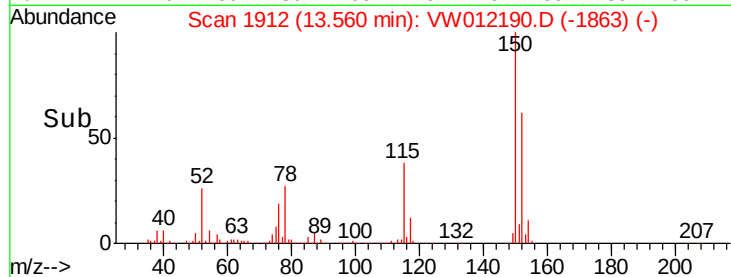
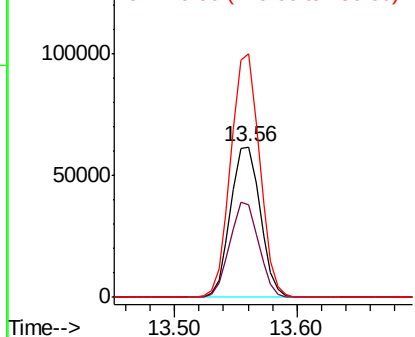
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :
T1-S3-(2.5)

Tgt Ion:152 Resp: 104372
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.3
150 156.2 0.0 345.8



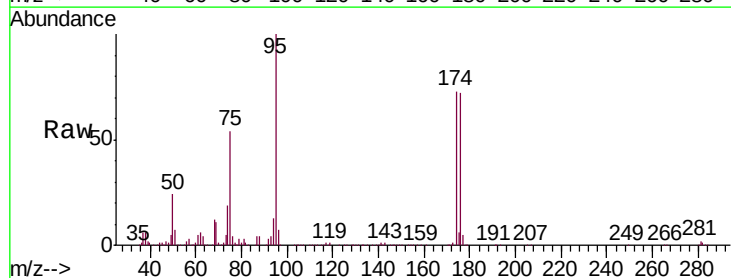
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



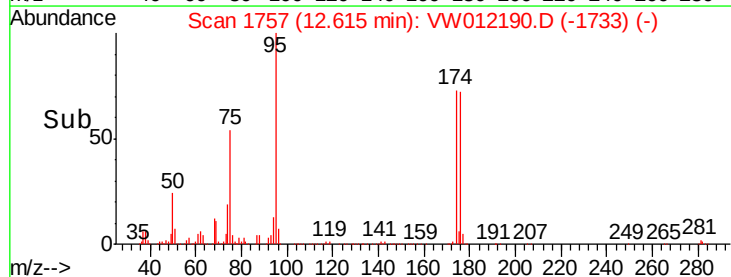
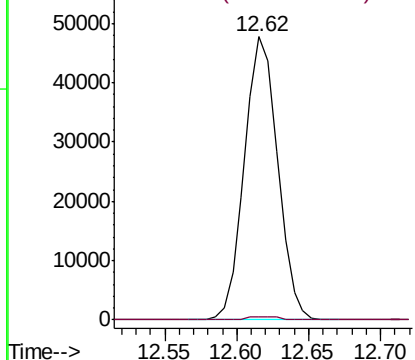
#76

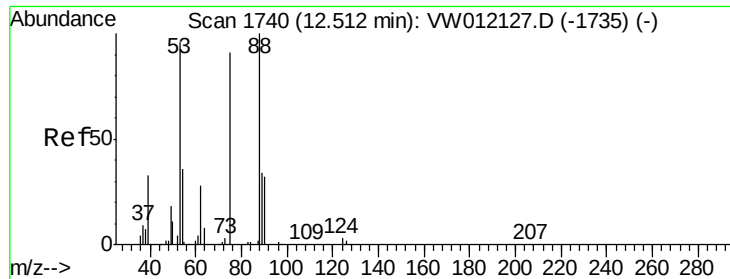
1,2,3-Trichloropropane
Concen: 75.316 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012190.D
Acq: 26 Aug 2019 23:50

Tgt Ion: 75 Resp: 76559
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: 165.132 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

T1-S3-(2.5)

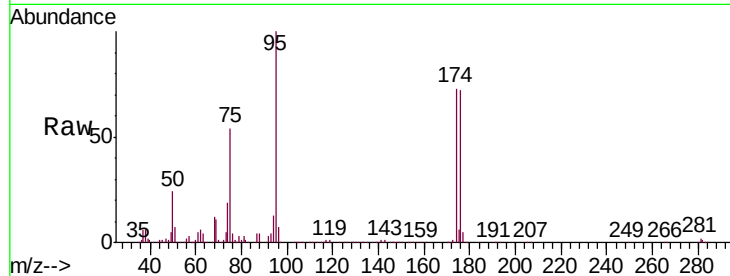
Tgt Ion: 75 Resp: 76559

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

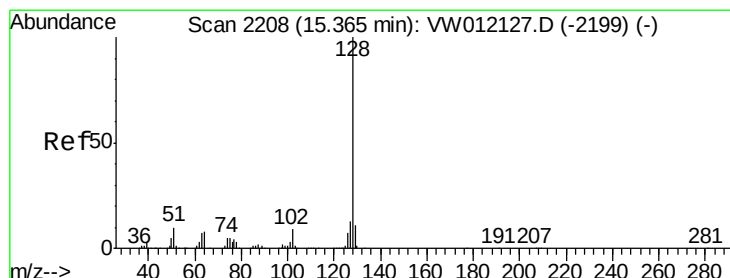
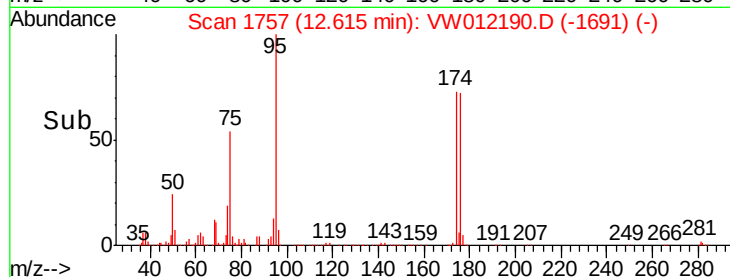
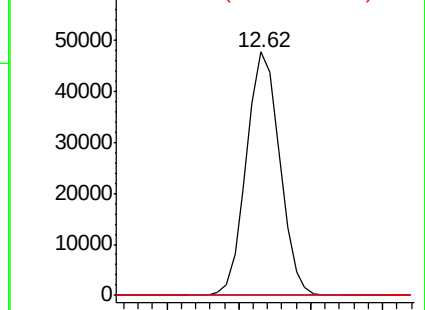
89 0.0 34.5 51.7#



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: 4.364 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012190.D

Acq: 26 Aug 2019 23:50

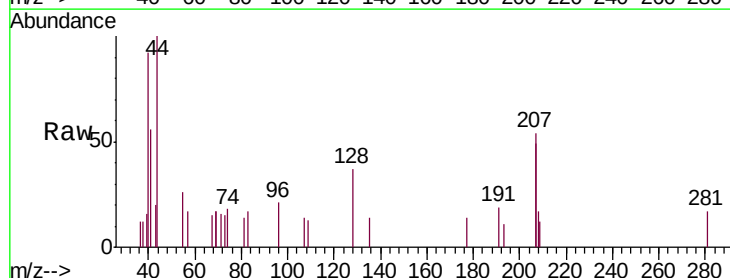
Tgt Ion: 128 Resp: 184

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 10.3 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

