

Data File : VW012188.D
Acq On : 26 Aug 2019 22:58
Operator : SY/VA
Sample : K4472-04
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(2.5)

Quant Time: Aug 27 05:00:41 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	188061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126786	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
35) Dibromofluoromethane	7.88	113	99130	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.32	98	377417	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.62	95	107878	40.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.64%	

Target Compounds

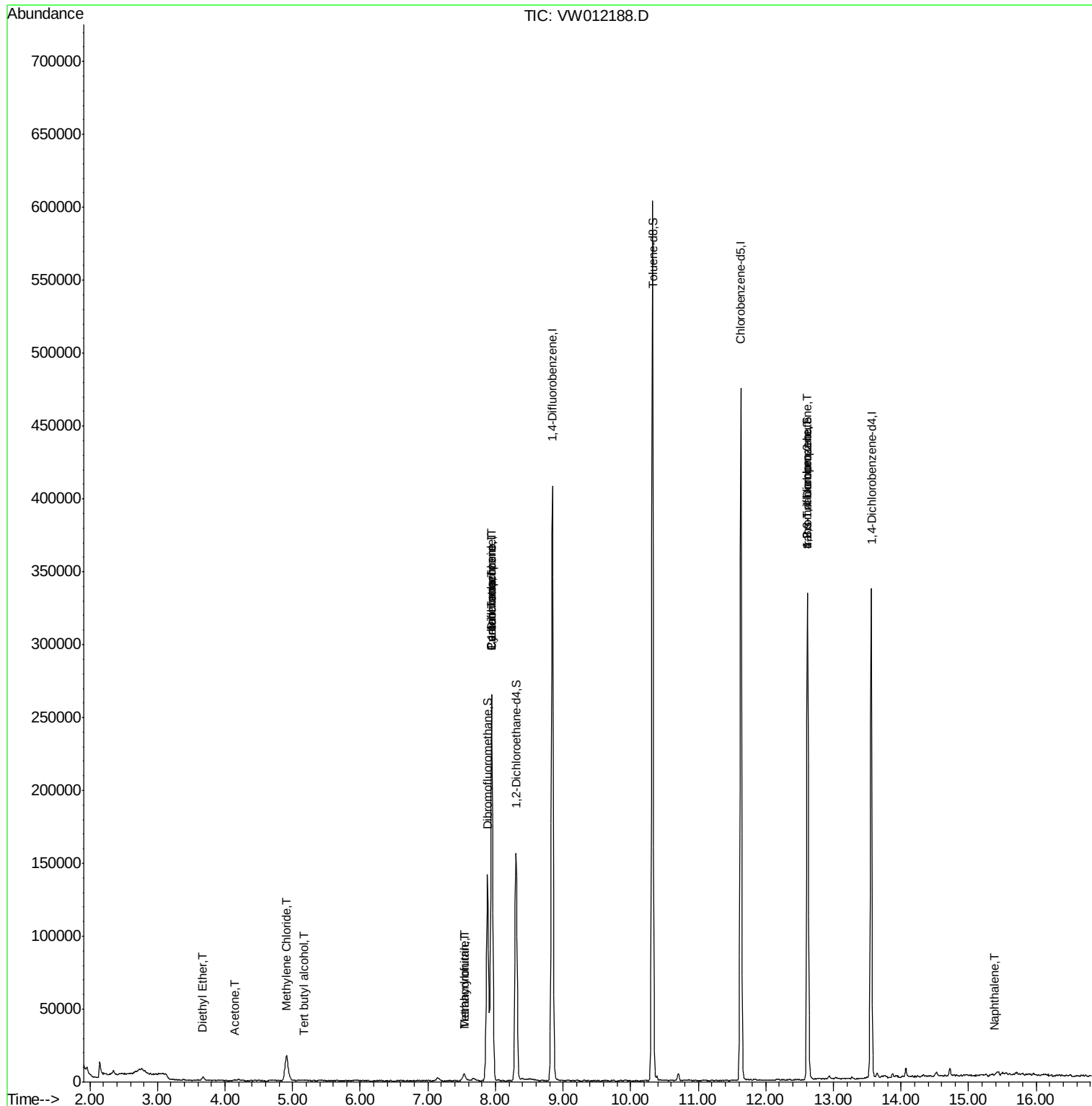
						Qvalue
8) Diethyl Ether	3.67	74	1065	1.018	ug/l	77
11) Tert butyl alcohol	5.18	59	270	2.007	ug/l #	71
16) Acetone	4.15	43	904	1.582	ug/l #	78
20) Methylene Chloride	4.91	84	13108	6.068	ug/l	94
29) Tetrahydrofuran	7.54	42	4495	9.648	ug/l	98
31) Cyclohexane	7.94	56	4742	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16195	4.998	ug/l #	52
38) Carbon Tetrachloride	7.95	117	18945	6.755	ug/l #	17
41) Methacrylonitrile	7.54	41	3008	2.882	ug/l #	58
76) 1,2,3-Trichloropropane	12.62	75	58639	71.852	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	58639	157.539	ug/l #	6
95) Naphthalene	15.38	128	187	4.375	ug/l #	69

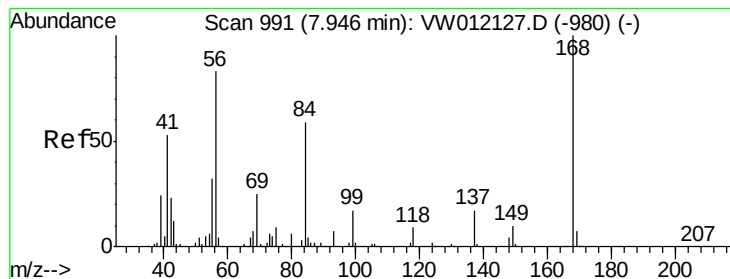
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012188.D
Acq On : 26 Aug 2019 22:58
Operator : SY/VA
Sample : K4472-04
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(2.5)

Quant Time: Aug 27 05:00:41 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

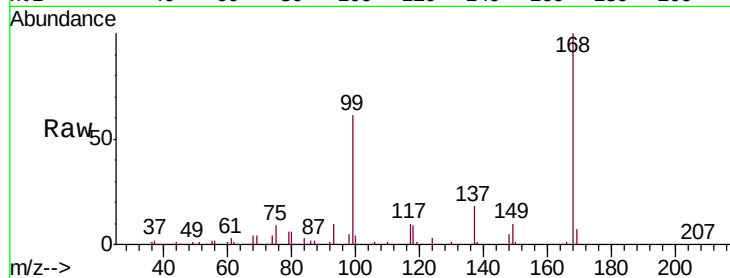
T1-S2-(2.5)

Tgt Ion:168 Resp: 188061

Ion Ratio Lower Upper

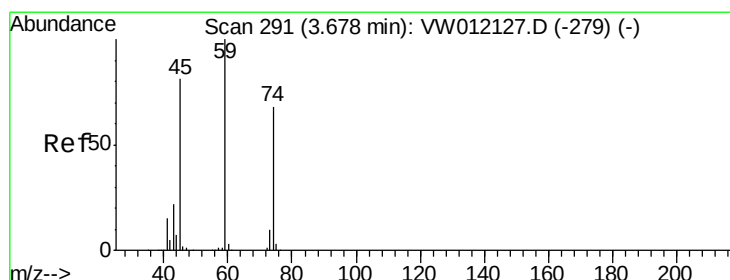
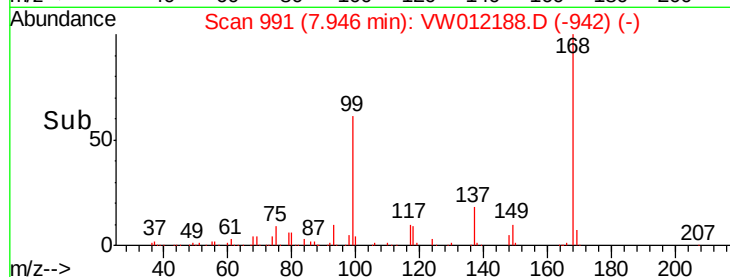
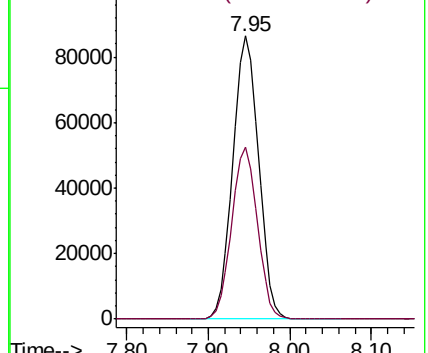
168 100

99 60.8 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: 1.018 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012188.D

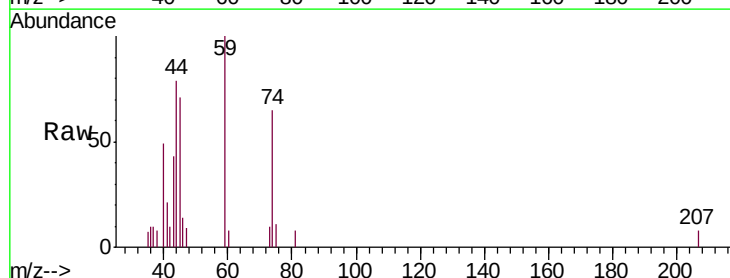
Acq: 26 Aug 2019 22:58

Tgt Ion: 74 Resp: 1065

Ion Ratio Lower Upper

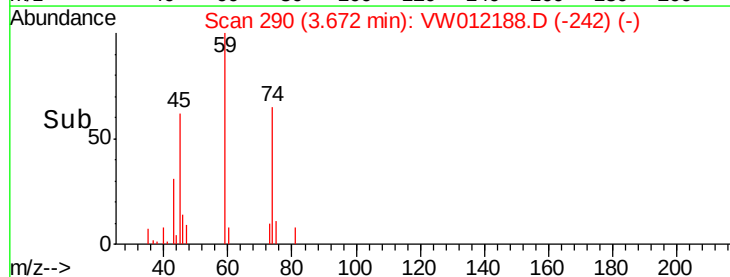
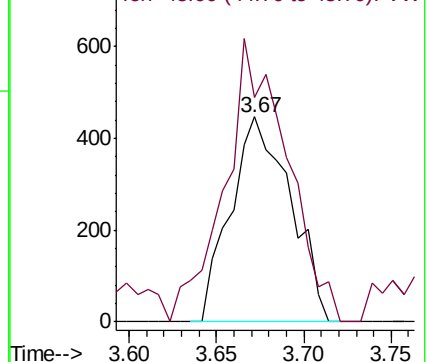
74 100

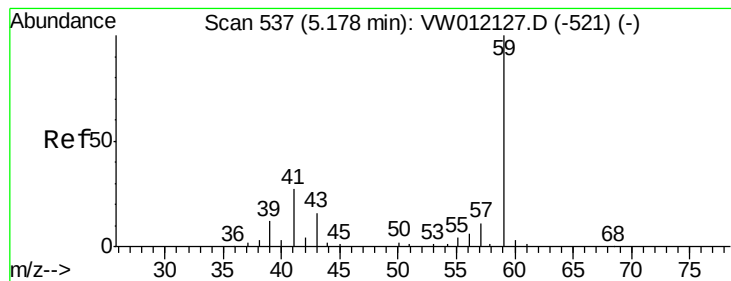
45 143.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 2.007 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Instrument :

MSVOA_W

ClientSampled :

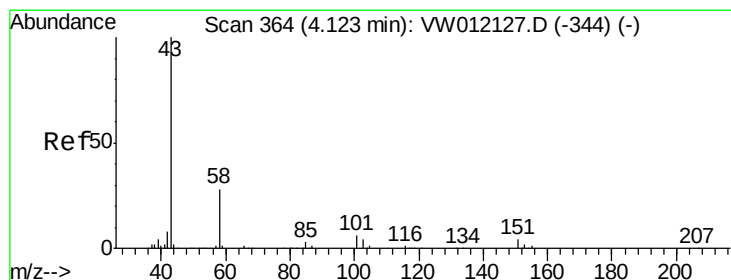
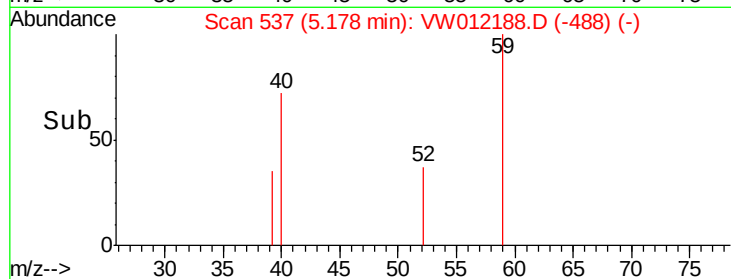
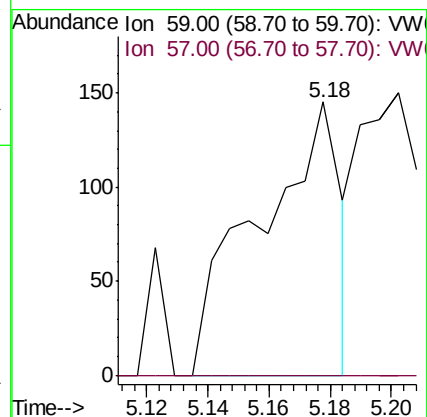
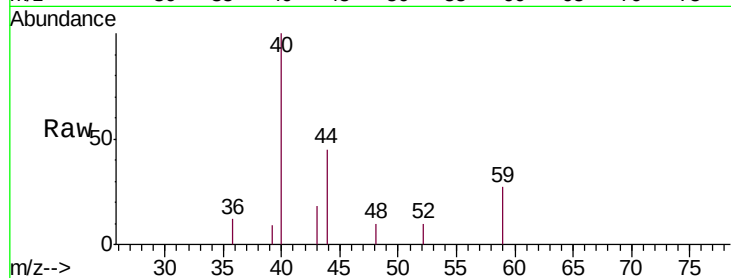
T1-S2-(2.5)

Tgt Ion: 59 Resp: 270

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#16

Acetone

Concen: 1.582 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012188.D

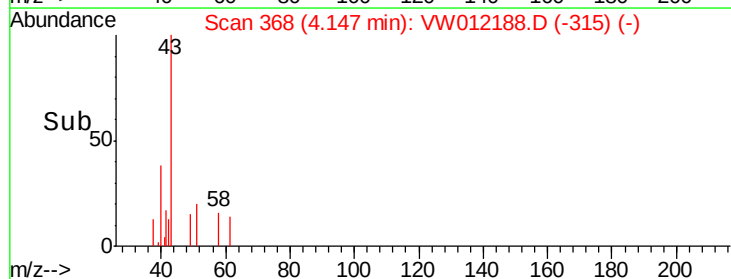
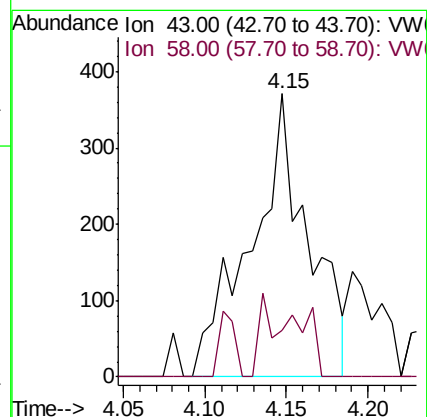
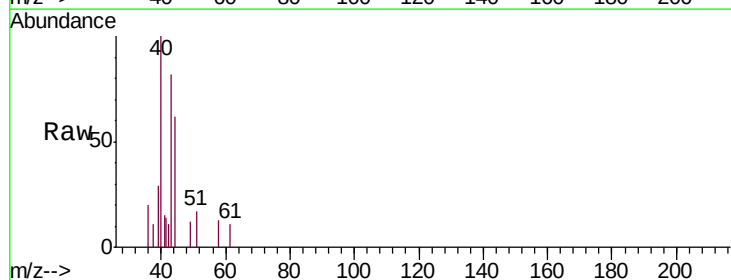
Acq: 26 Aug 2019 22:58

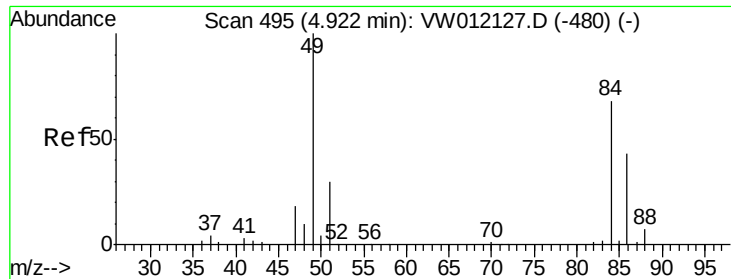
Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

58 16.4 22.4 33.6#

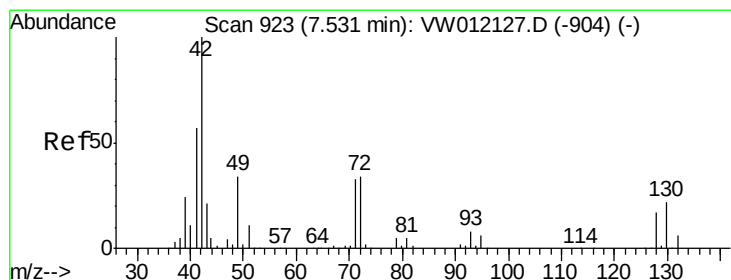
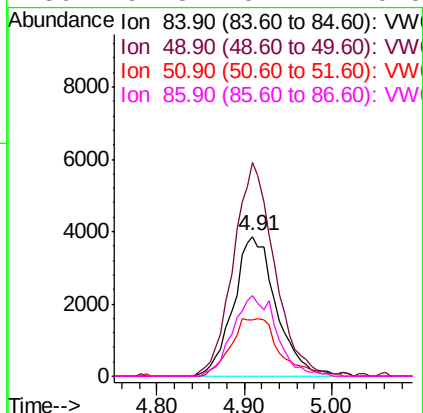
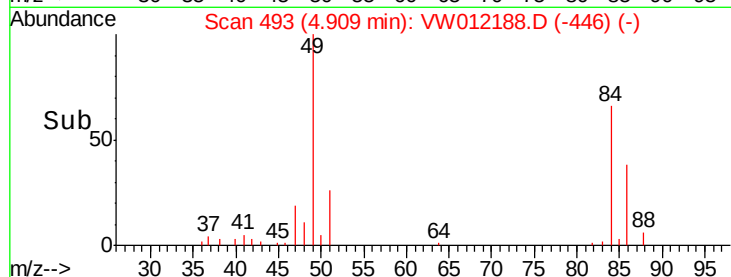
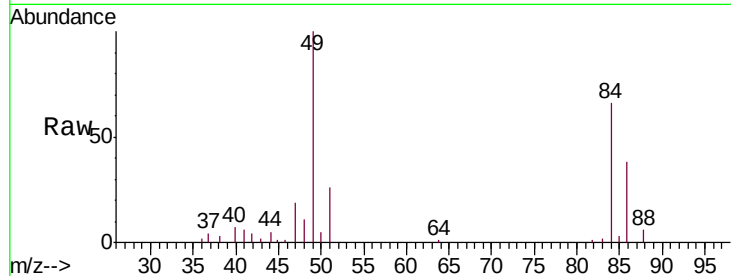




#20
Methylene Chloride
Concen: 6.068 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012188.D
Acq: 26 Aug 2019 22:58

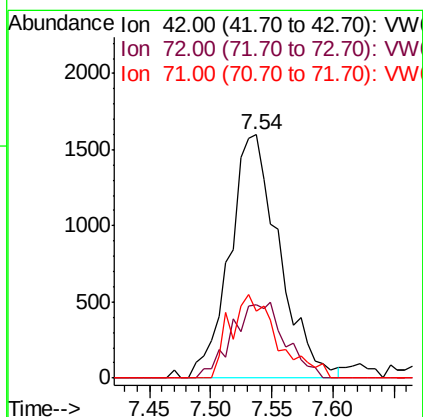
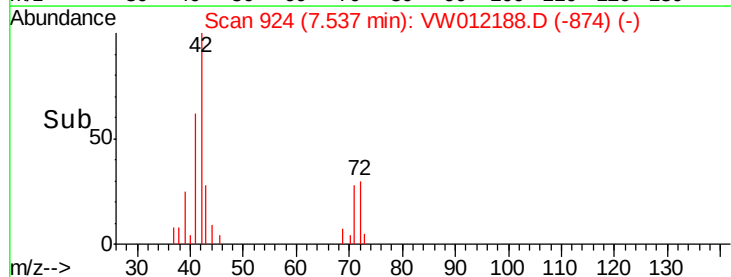
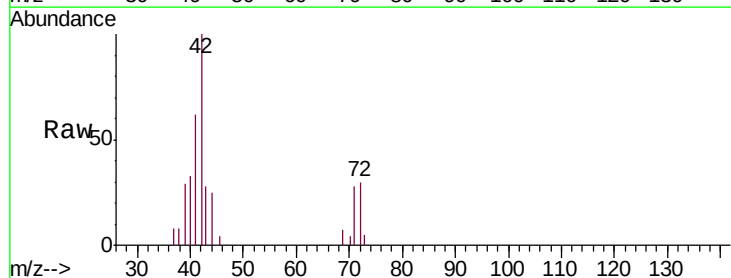
Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(2.5)

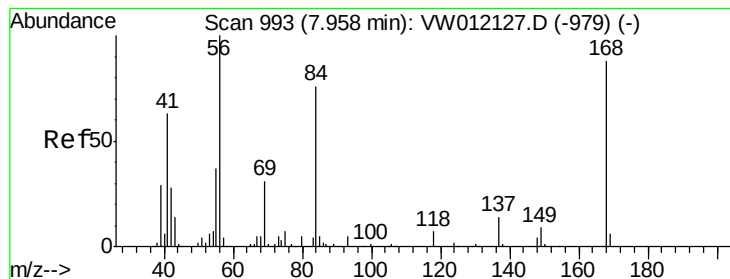
Tgt Ion:	84	Resp:	13108
Ion	Ratio	Lower	Upper
84	100		
49	152.7	117.8	176.8
51	39.9	35.6	53.4
86	57.3	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.648 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012188.D
Acq: 26 Aug 2019 22:58

Tgt Ion:	42	Resp:	4495
Ion	Ratio	Lower	Upper
42	100		
72	33.2	27.3	40.9
71	33.0	25.5	38.3





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Instrument :
MSVOA_W
ClientSampled :
T1-S2-(2.5)

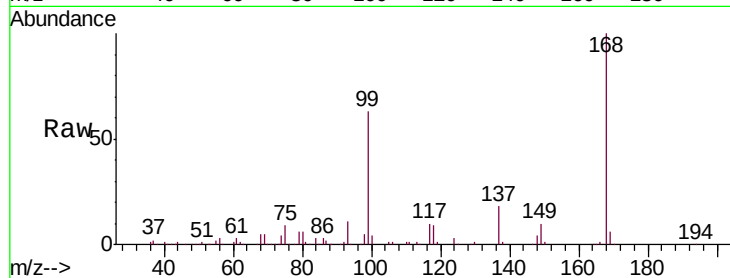
Tgt Ion: 56 Resp: 4742

Ion Ratio Lower Upper

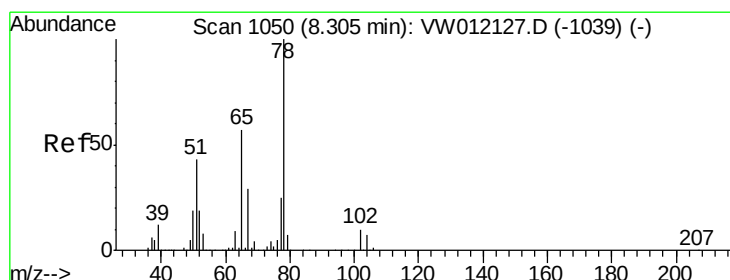
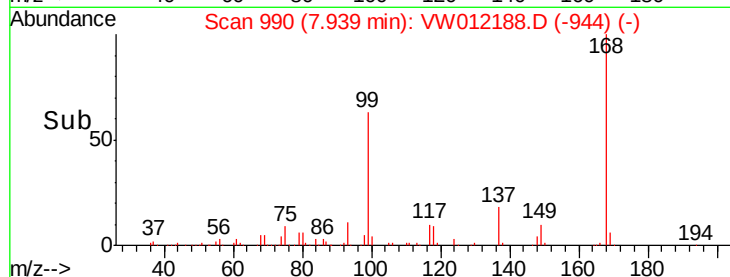
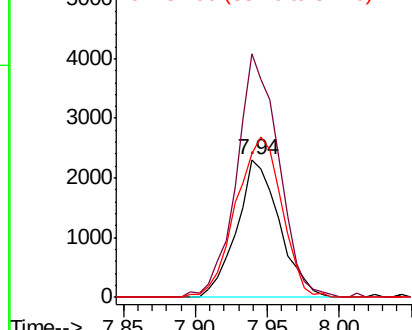
56 100

69 176.7 24.9 37.3#

84 108.8 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: 56.713 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012188.D

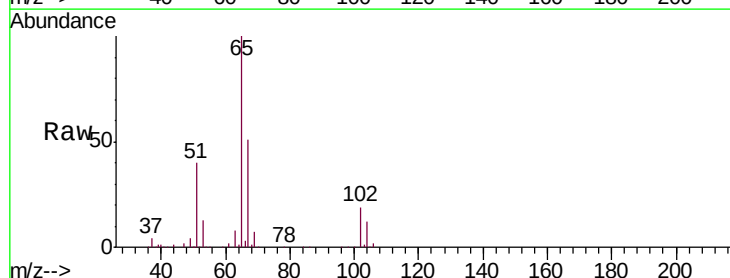
Acq: 26 Aug 2019 22:58

Tgt Ion: 65 Resp: 126786

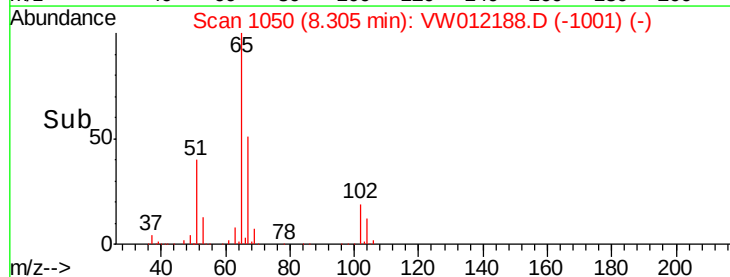
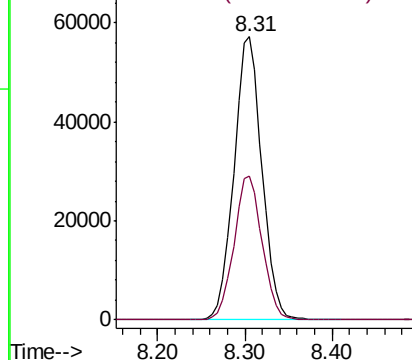
Ion Ratio Lower Upper

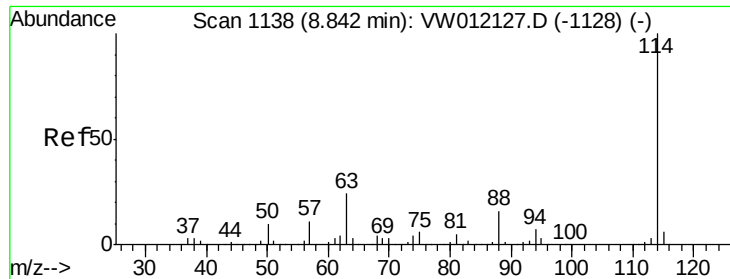
65 100

67 51.2 0.0 102.6



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

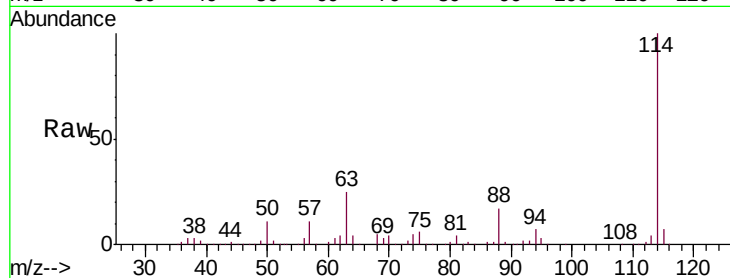




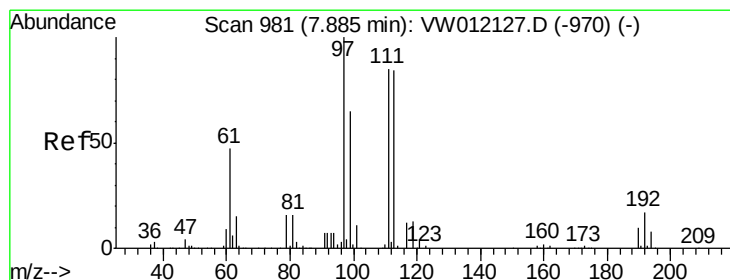
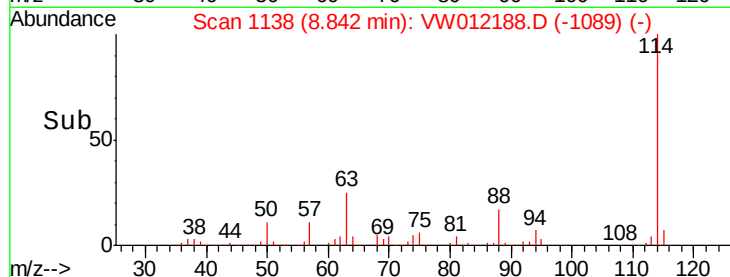
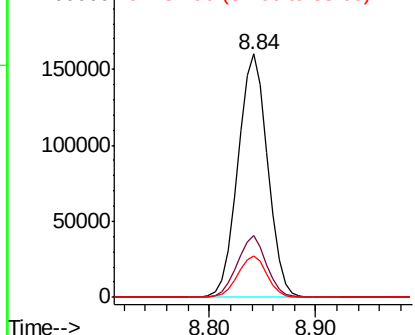
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012188.D
 Acq: 26 Aug 2019 22:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S2-(2.5)

Tgt Ion:114 Resp: 313575
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 48.6
 88 17.0 0.0 32.2

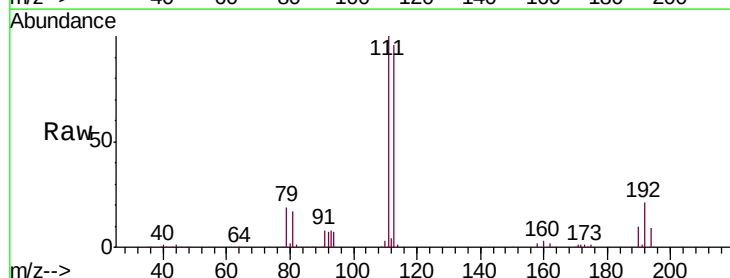


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

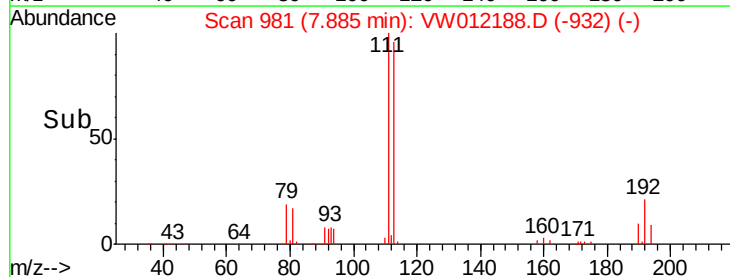
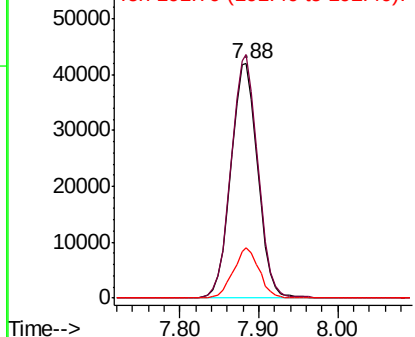


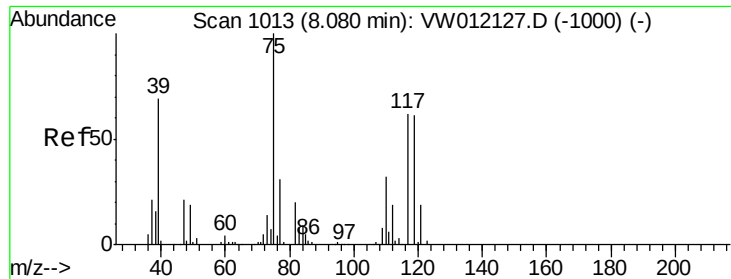
#35
 Dibromofluoromethane
 Concen: 52.961 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012188.D
 Acq: 26 Aug 2019 22:58

Tgt Ion:113 Resp: 99130
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 20.6 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: 4.998 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(2.5)

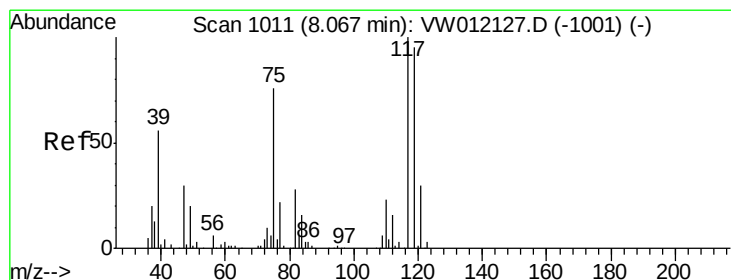
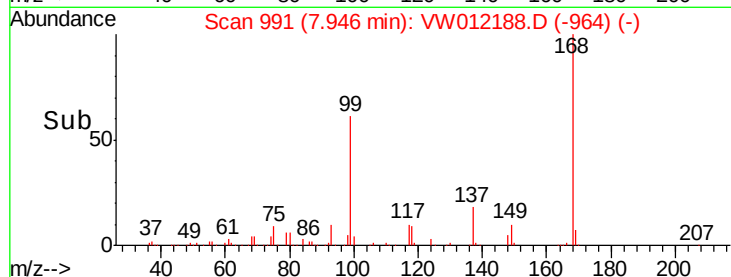
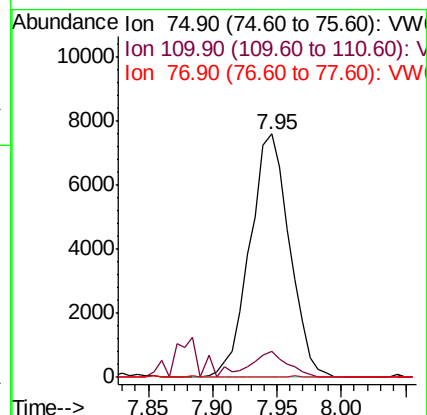
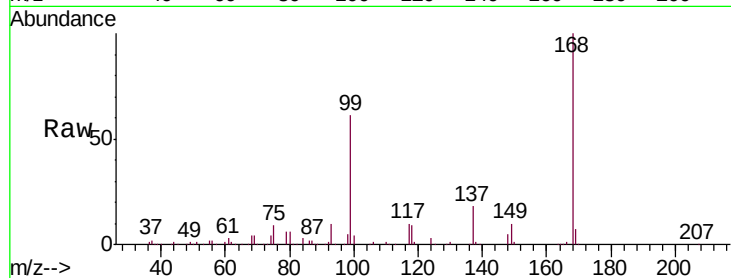
Tgt Ion: 75 Resp: 16195

Ion Ratio Lower Upper

75 100

110 9.3 15.6 46.8#

77 0.1 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

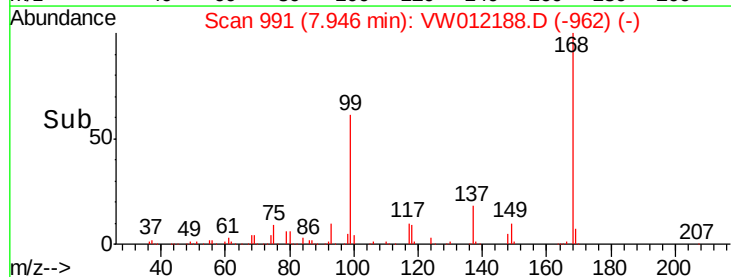
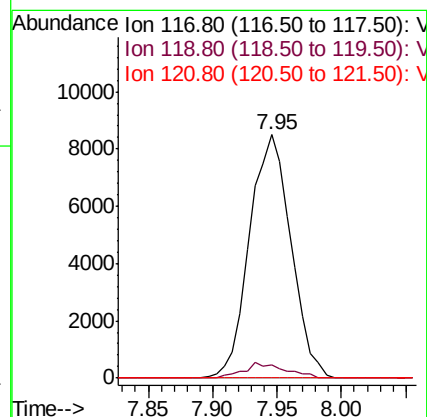
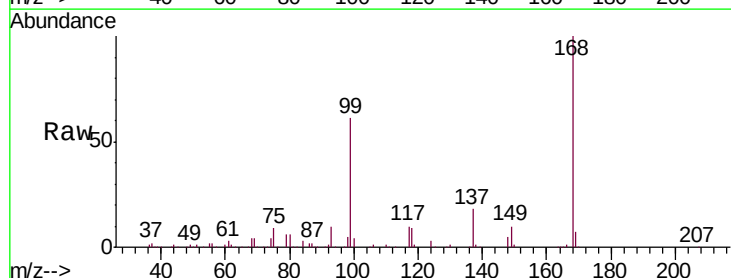
Tgt Ion: 117 Resp: 18945

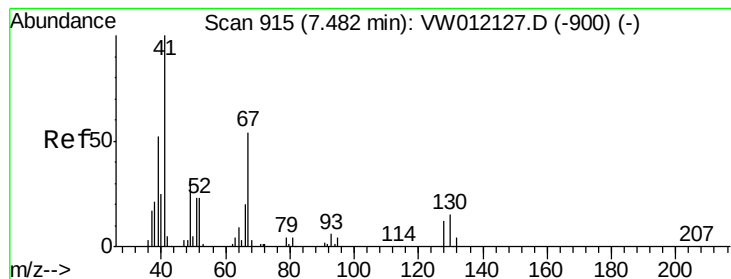
Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.882 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

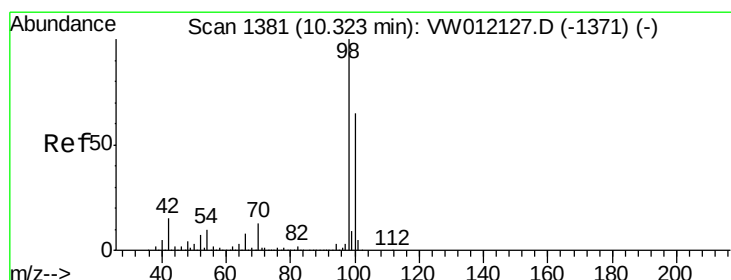
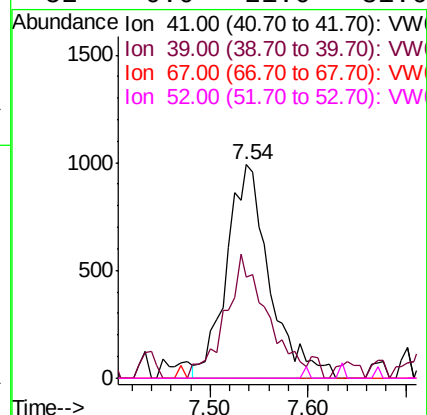
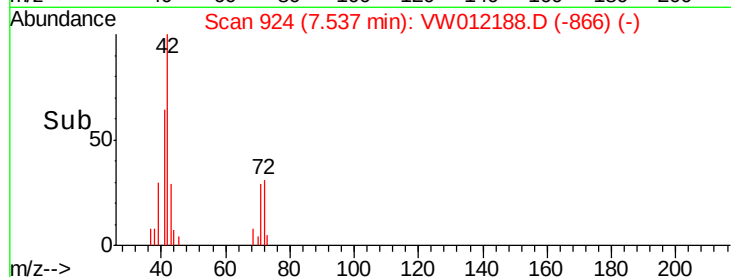
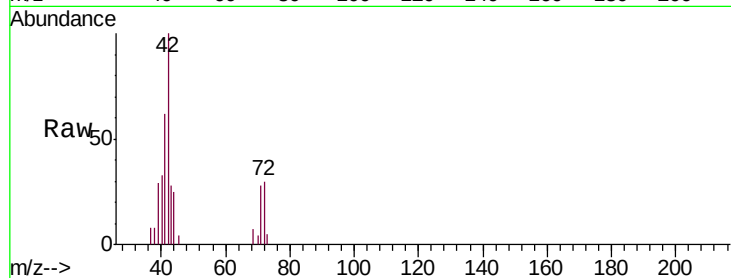
Instrument :

MSVOA_W

ClientSampled :

T1-S2-(2.5)

Tgt Ion:	41	Resp:	3008
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50

Toluene-d8

Concen: 49.730 ug/l

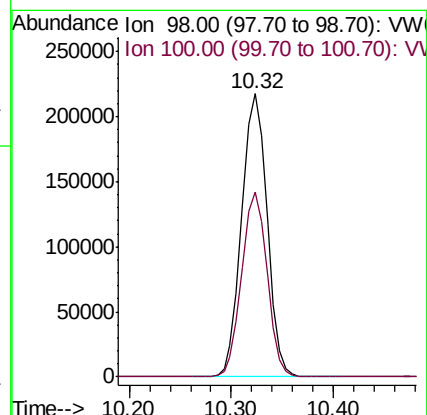
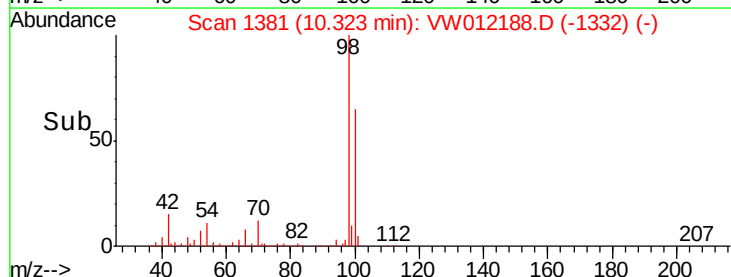
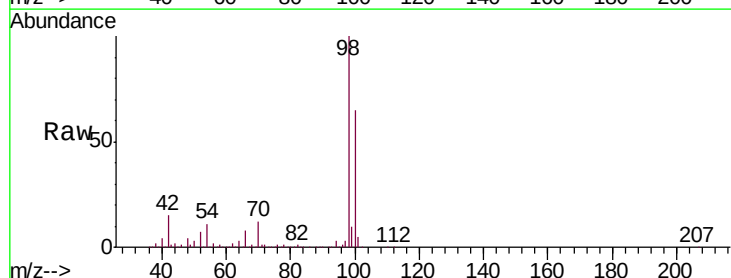
RT: 10.32 min Scan# 1381

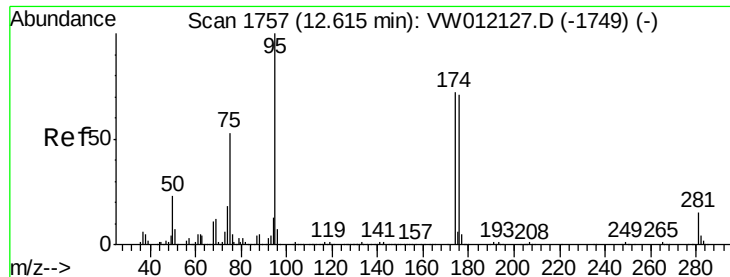
Delta R.T. -0.00 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Tgt Ion:	98	Resp:	377417
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 40.325 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012188.D

Acq: 26 Aug 2019 22:58

Instrument :

MSVOA_W

ClientSampleId :

T1-S2-(2.5)

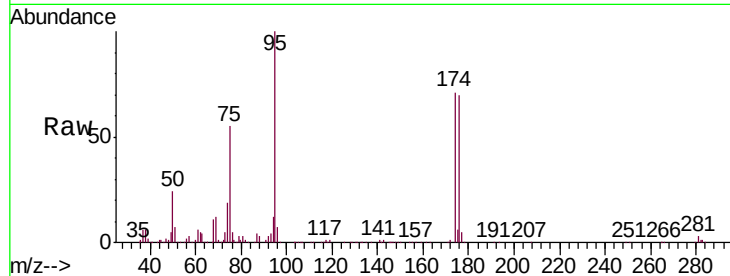
Tgt Ion: 95 Resp: 107878

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.8

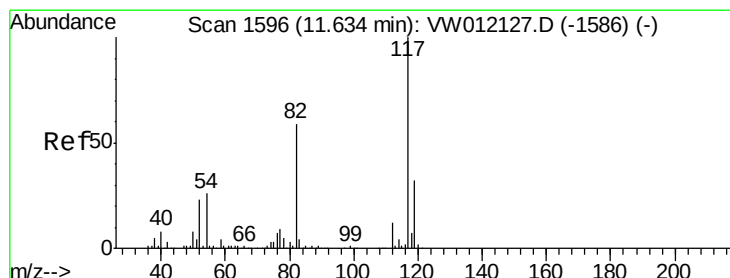
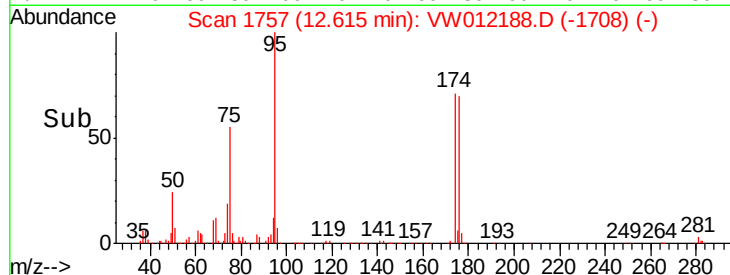
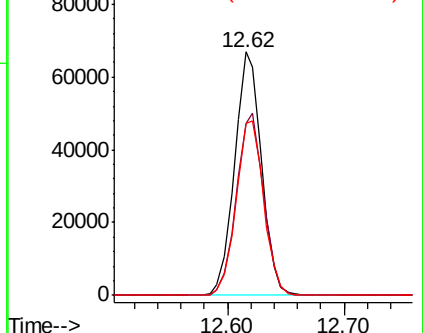
176 73.2 0.0 148.6



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: VW012188.D

Acq: 26 Aug 2019 22:58

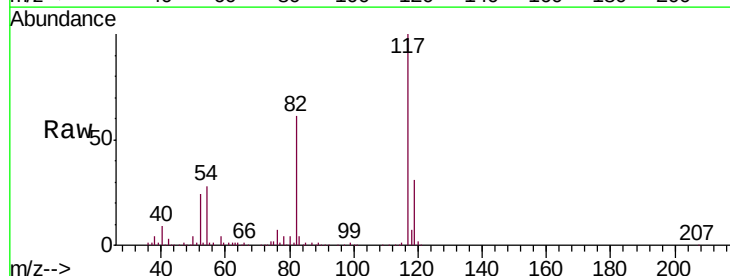
Tgt Ion: 117 Resp: 246031

Ion Ratio Lower Upper

117 100

82 61.1 47.4 71.2

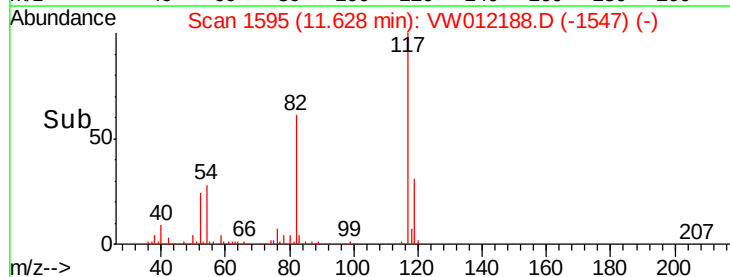
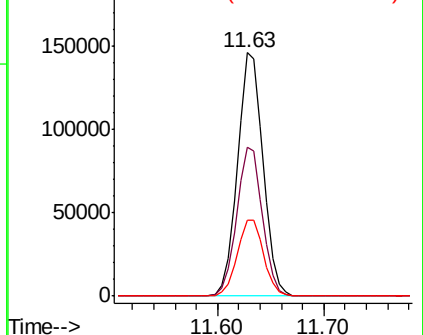
119 31.0 25.4 38.2

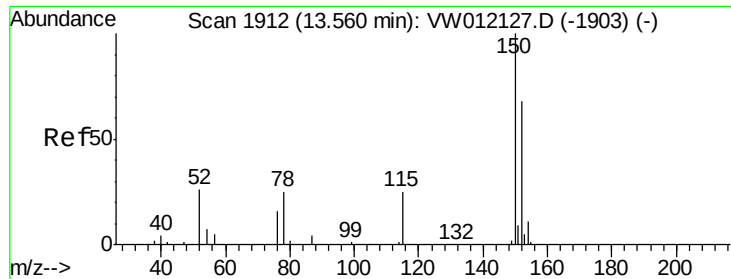


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



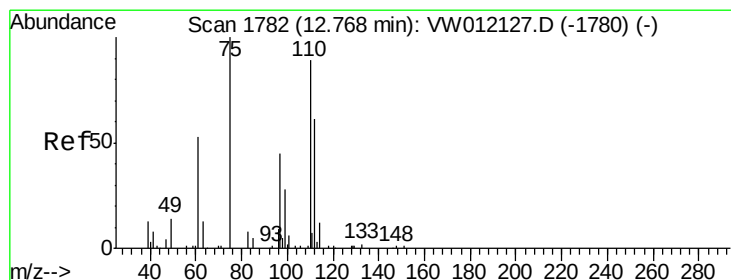
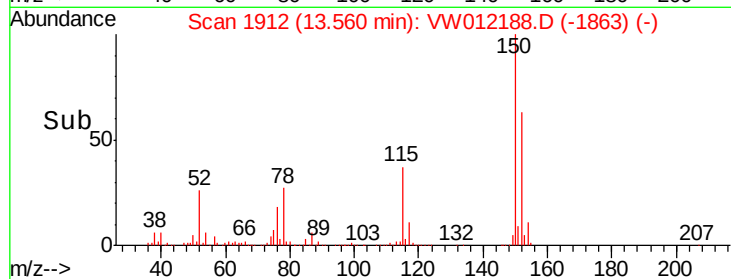
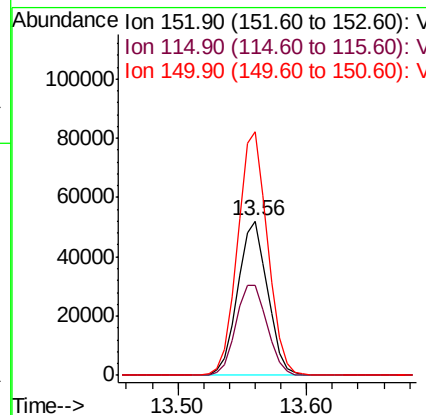
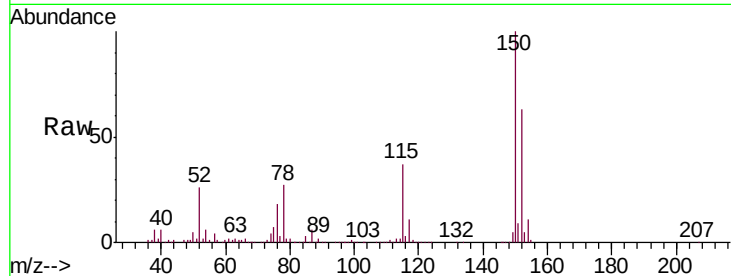


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012188.D
Acq: 26 Aug 2019 22:58

Instrument :
MSVOA_W
ClientSampleId :
T1-S2-(2.5)

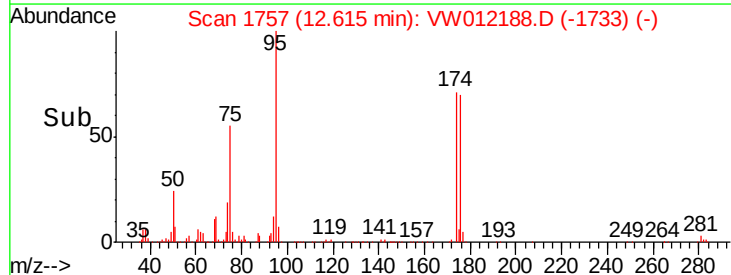
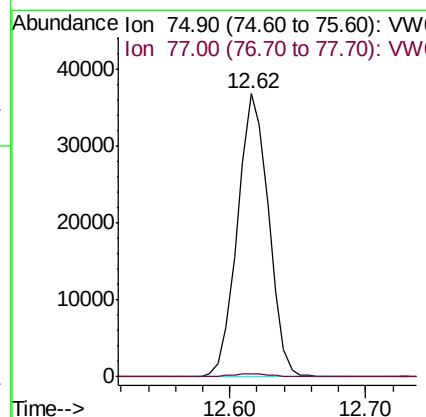
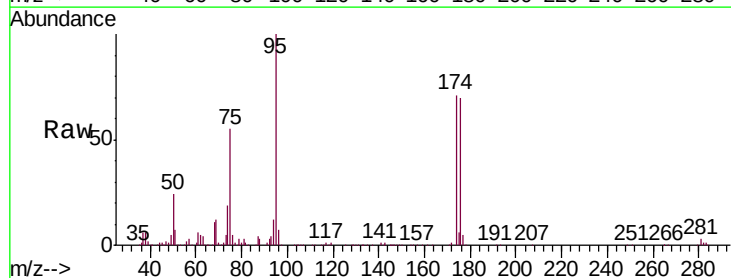
Tgt Ion:152 Resp: 83795
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.3
150 157.8 0.0 345.8

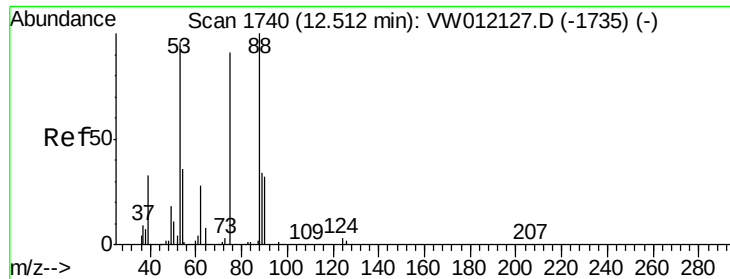


#76

1,2,3-Trichloropropane
Concen: 71.852 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012188.D
Acq: 26 Aug 2019 22:58

Tgt Ion: 75 Resp: 58639
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

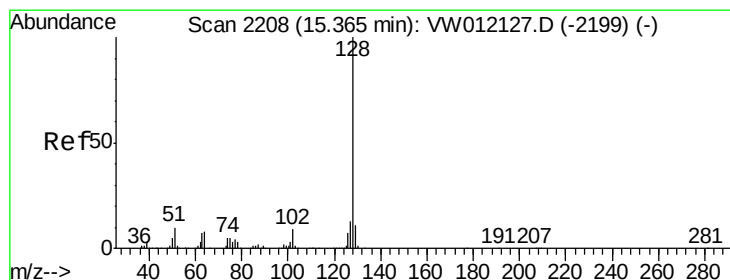
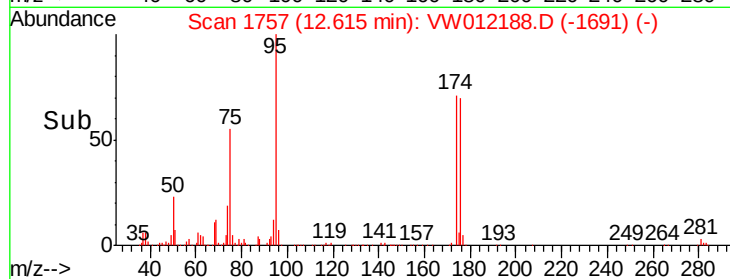
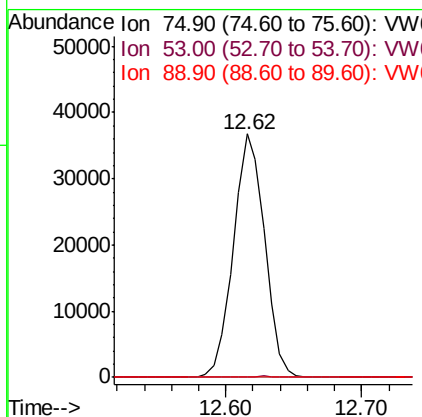
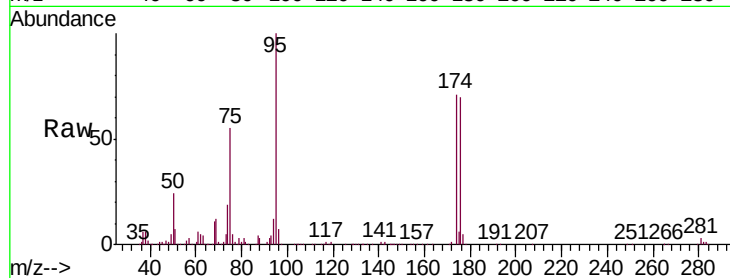




#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.539 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012188.D
 Acq: 26 Aug 2019 22:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S2-(2.5)

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	89.4	134.0#
89	0.0	34.5	51.7#



#95
 Naphthalene
 Concen: 4.375 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW012188.D
 Acq: 26 Aug 2019 22:58

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

