

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012621.D
 Acq On : 05 Sep 2019 06:08
 Operator : SY/VA
 Sample : K4547-13
 Misc : 2.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T7-S-G2-(0)

Quant Time: Sep 05 07:06:03 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

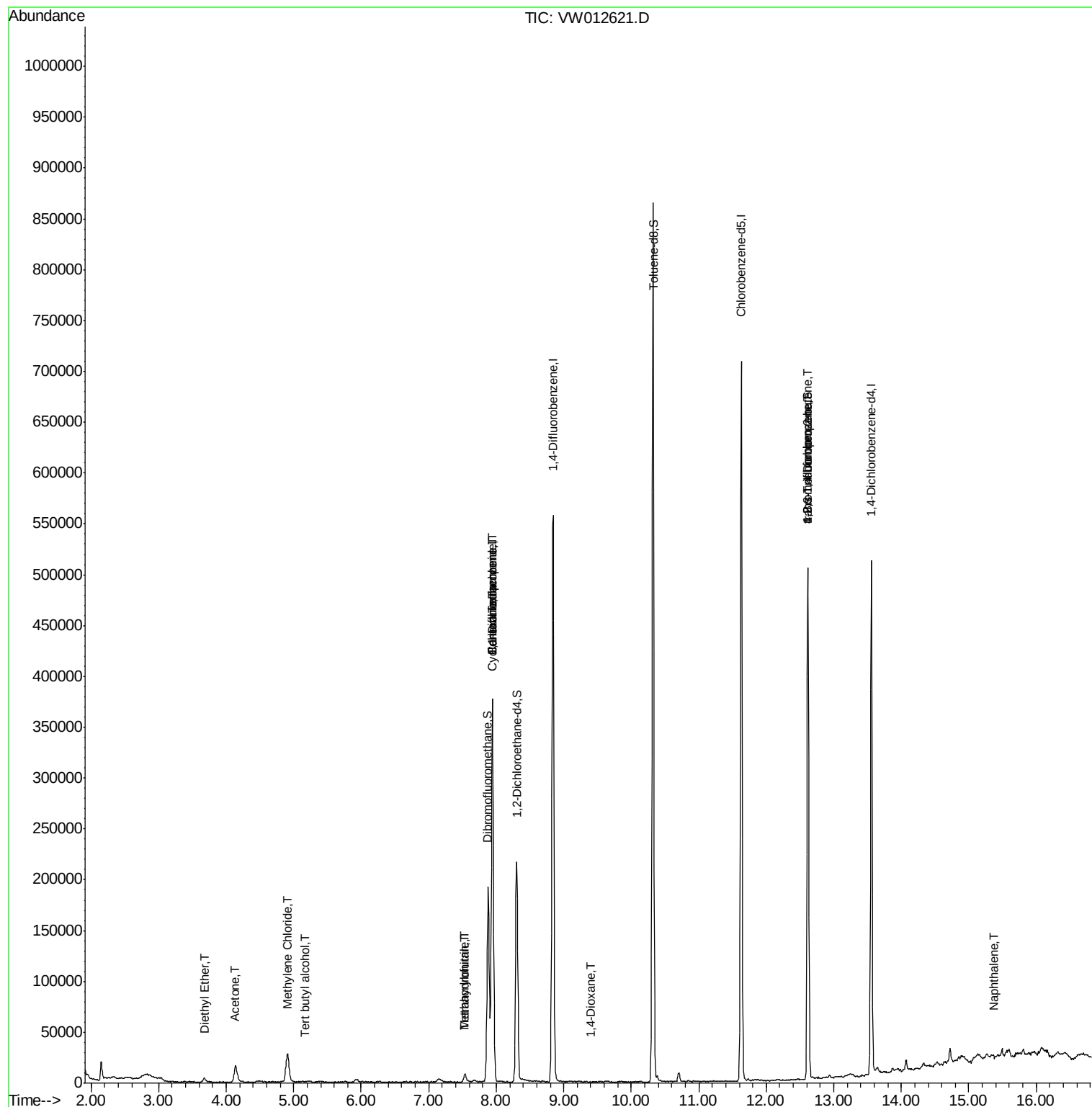
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	443085	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128174	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	182225	56.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.40%	
35) Dibromofluoromethane	7.88	113	138389	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.32	98	552340	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.62	95	161375	42.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.38%	
Target Compounds						
8) Diethyl Ether	3.68	74	2199	1.449	ug/l	74
11) Tert butyl alcohol	5.17	59	217	1.112	ug/l #	71
16) Acetone	4.14	43	34169	41.228	ug/l	96
20) Methylene Chloride	4.91	84	20627	6.584	ug/l	96
29) Tetrahydrofuran	7.54	42	6974	10.321	ug/l	98
31) Cyclohexane	7.93	56	6955	1.191	ug/l #	12
36) 1,1-Dichloropropene	7.94	75	22853	4.991	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27398	6.913	ug/l #	17
41) Methacrylonitrile	7.53	41	4107	2.785	ug/l #	56
49) 1,4-Dioxane	9.40	88	28	1.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	89416	71.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	89416	157.049	ug/l #	6
95) Naphthalene	15.36	128	602	4.435	ug/l #	33

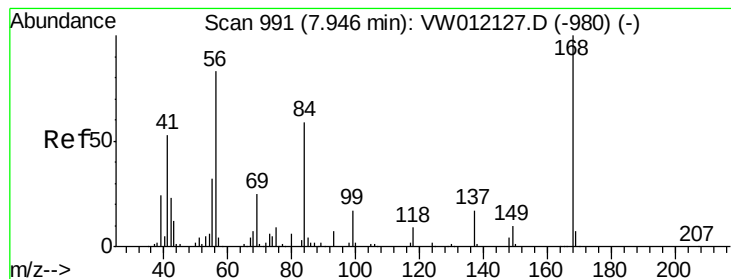
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
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Quant Time: Sep 05 07:06:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
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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: VW012621.D

Acq: 05 Sep 2019 06:08

Instrument :

MSVOA_W

ClientSampleId :

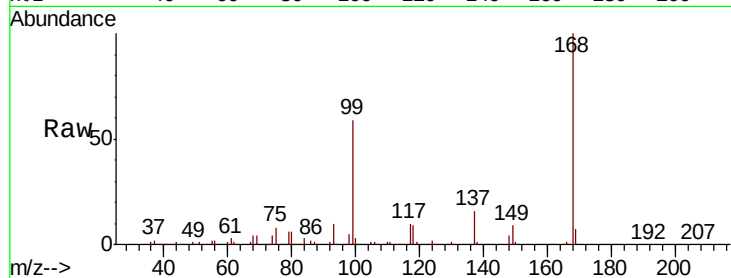
T7-S-G2-(0)

Tgt Ion:168 Resp: 272742

Ion Ratio Lower Upper

168 100

99 58.8 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

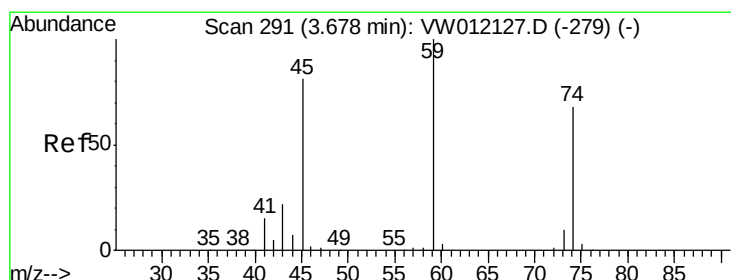
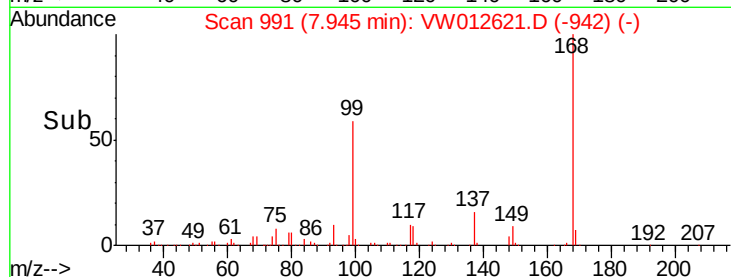
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.449 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012621.D

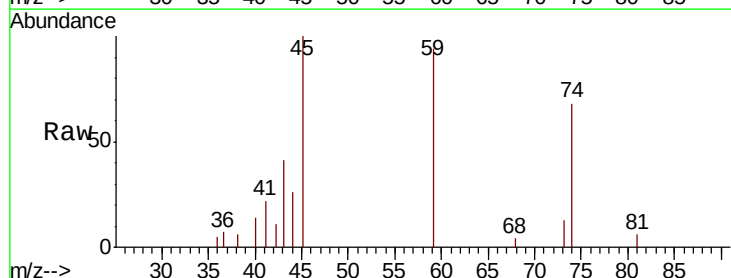
Acq: 05 Sep 2019 06:08

Tgt Ion: 74 Resp: 2199

Ion Ratio Lower Upper

74 100

45 147.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

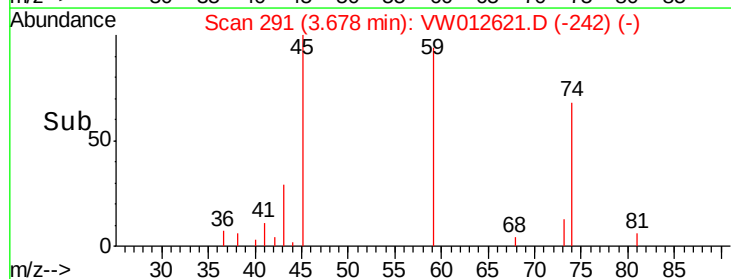
1500

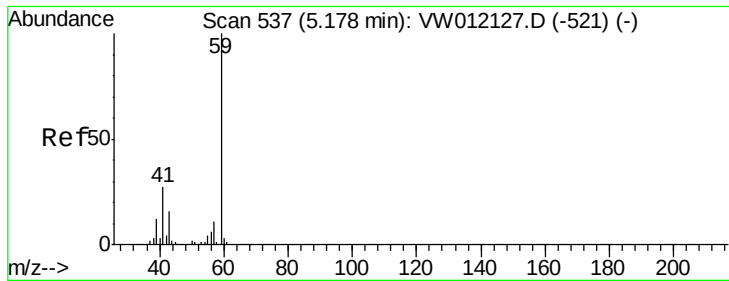
1000

500

0

Time-->



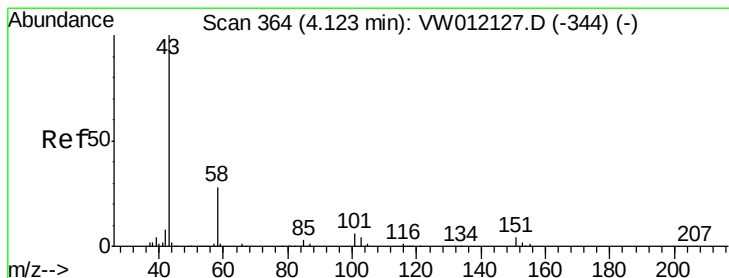
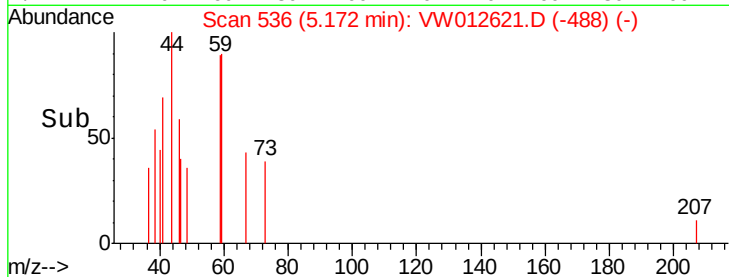
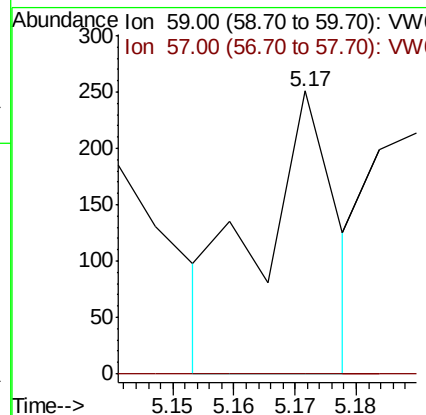
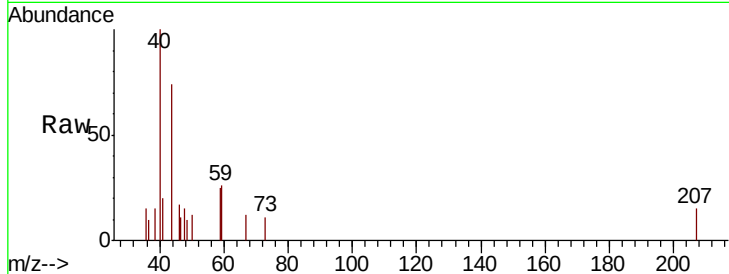


#11

Tert butyl alcohol
Concen: 1.112 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

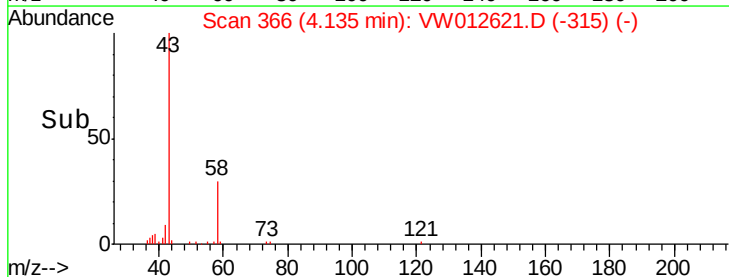
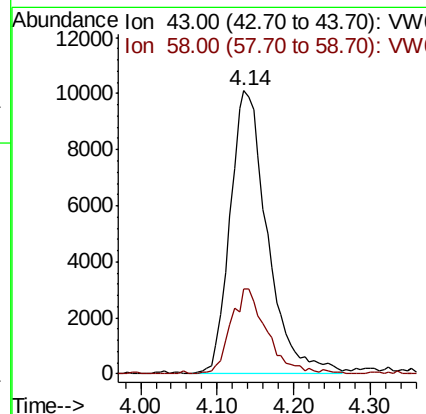
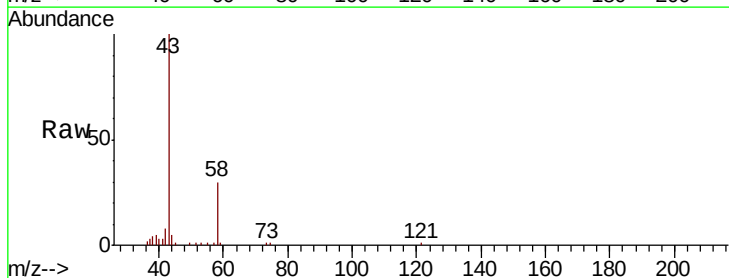
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

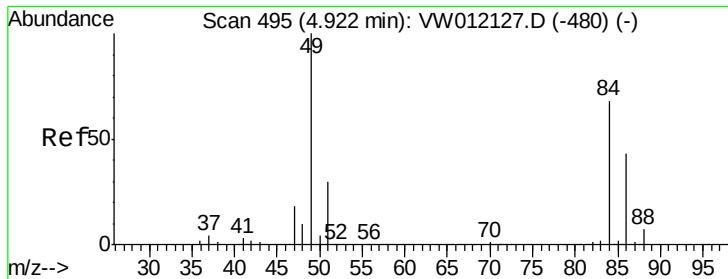


#16

Acetone
Concen: 41.228 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Tgt Ion: 43 Resp: 34169
Ion Ratio Lower Upper
43 100
58 30.1 22.4 33.6

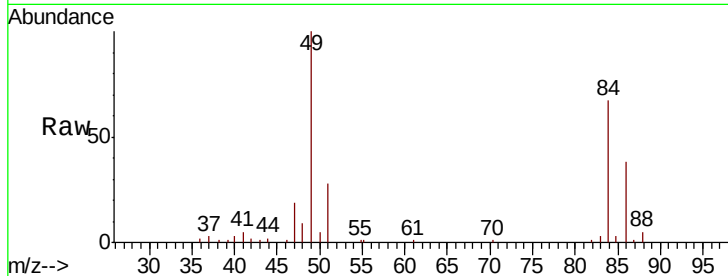




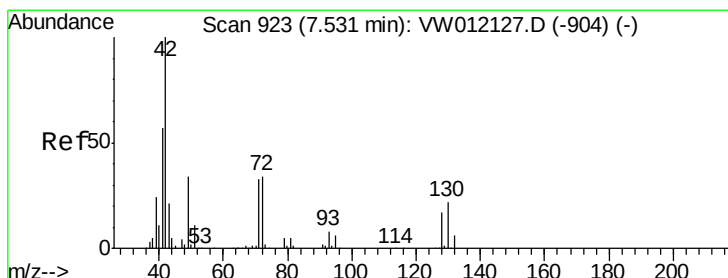
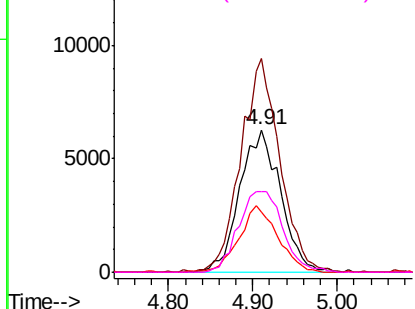
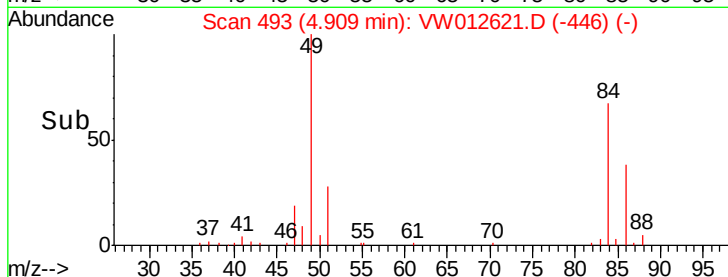
#20
Methylene Chloride
Concen: 6.584 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

Tgt Ion:	84	Resp:	20627
Ion	Ratio	Lower	Upper
84	100		
49	148.8	117.8	176.8
51	42.0	35.6	53.4
86	56.4	51.2	76.8

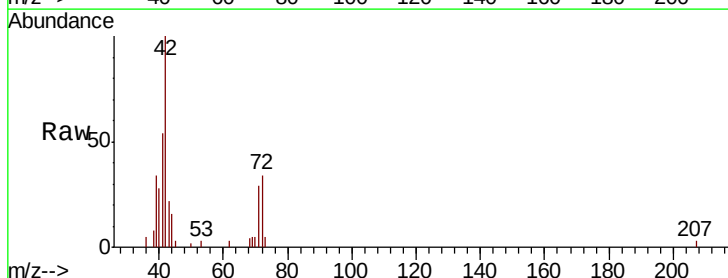


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

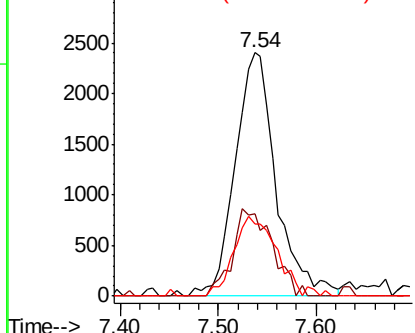
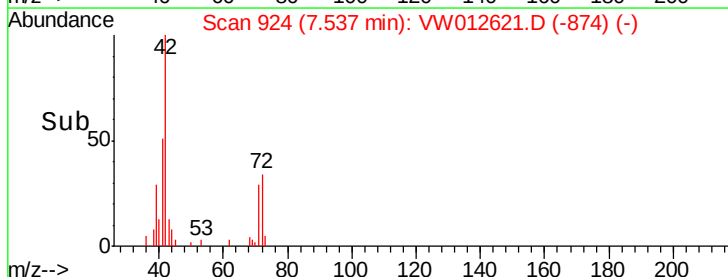


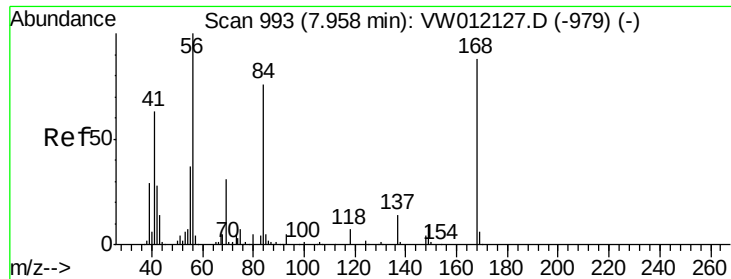
#29
Tetrahydrofuran
Concen: 10.321 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Tgt Ion:	42	Resp:	6974
Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.3	40.9
71	33.4	25.5	38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

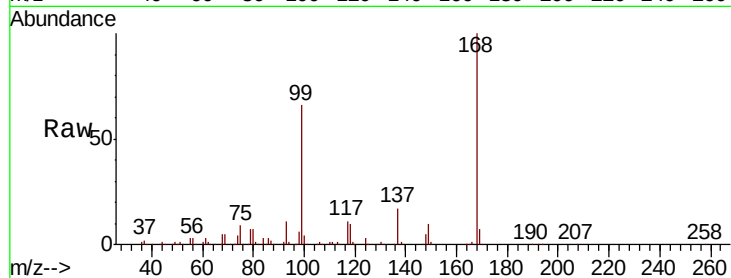




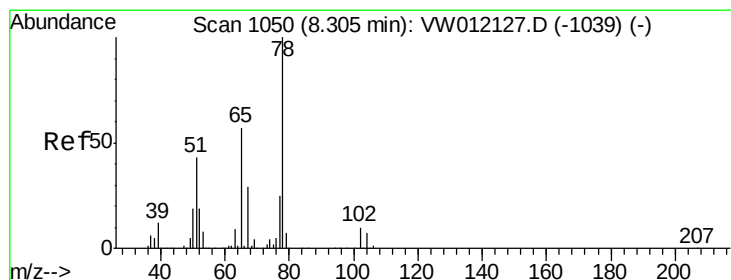
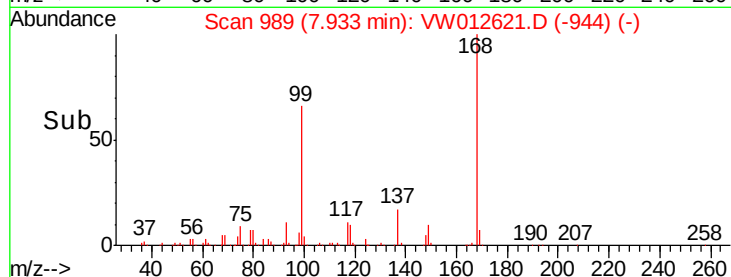
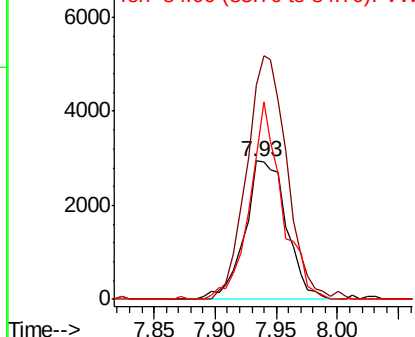
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

Tgt Ion: 56 Resp: 6955
Ion Ratio Lower Upper
56 100
69 155.2 24.9 37.3#
84 102.9 60.6 90.8#

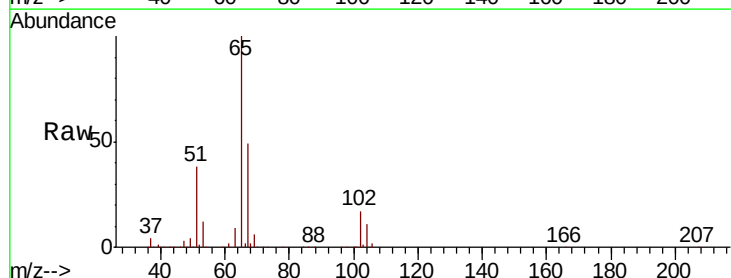


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

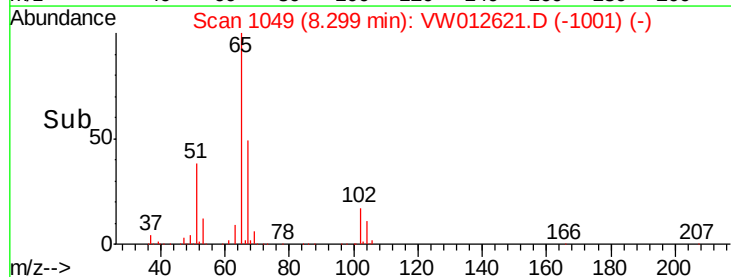
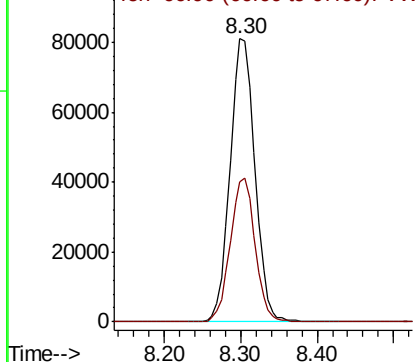


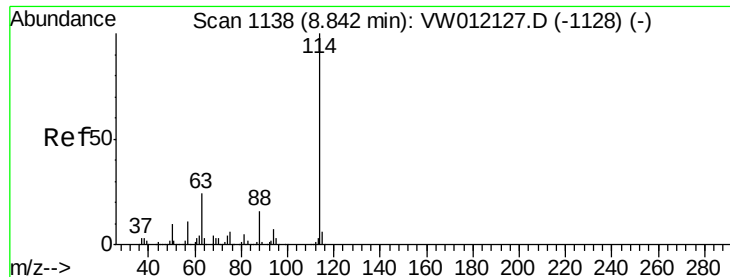
#33
1,2-Dichloroethane-d4
Concen: 56.203 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Tgt Ion: 65 Resp: 182225
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: VW012621.D

Acq: 05 Sep 2019 06:08

Instrument :

MSVOA_W

ClientSampleId :

T7-S-G2-(0)

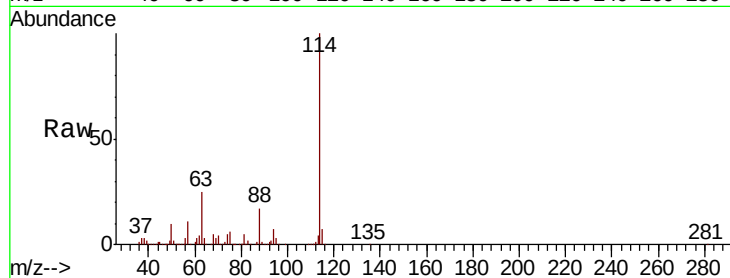
Tgt Ion:114 Resp: 443085

Ion Ratio Lower Upper

114 100

63 24.7 0.0 48.6

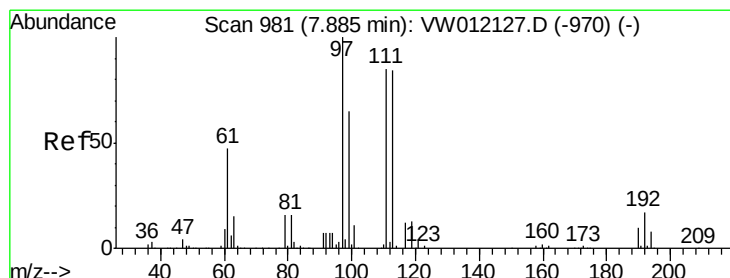
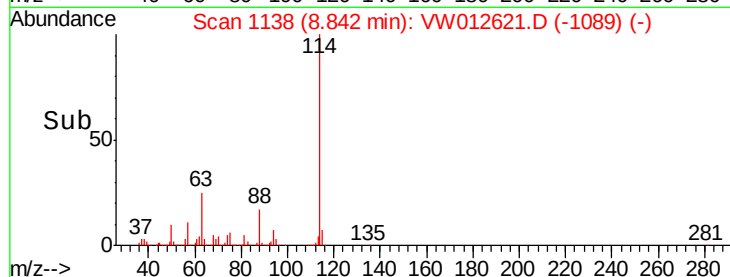
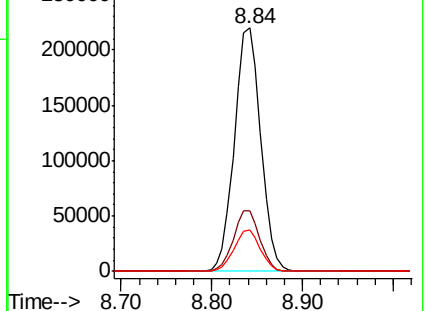
88 16.8 0.0 32.2



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: 52.325 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012621.D

Acq: 05 Sep 2019 06:08

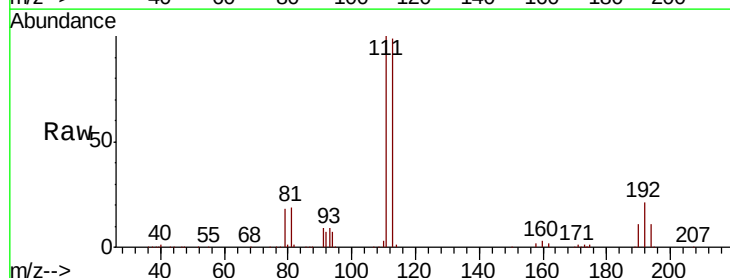
Tgt Ion:113 Resp: 138389

Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

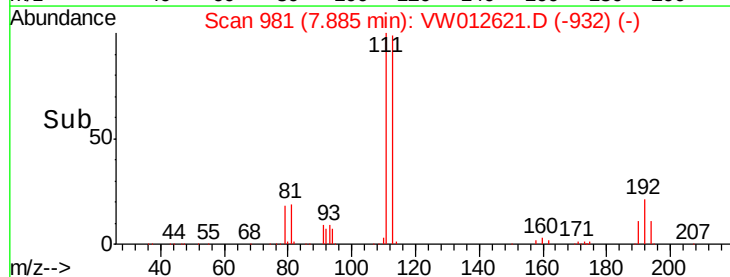
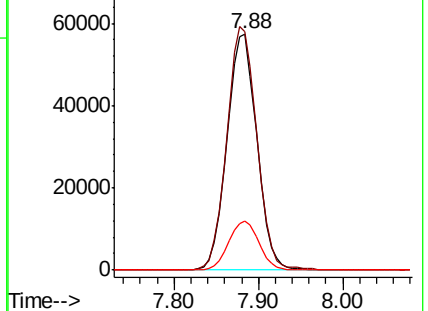
192 21.0 16.2 24.2

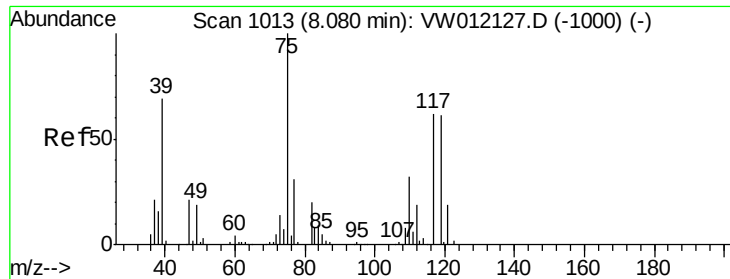


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

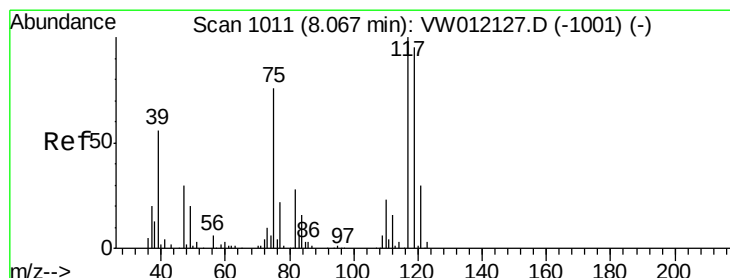
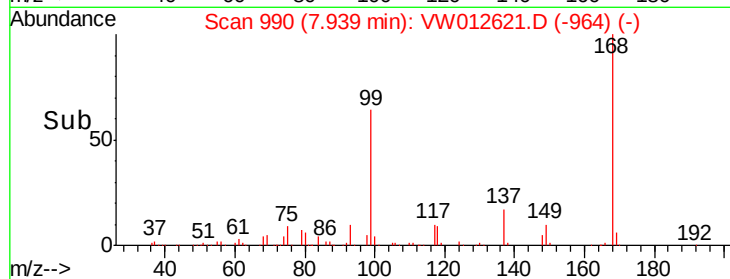
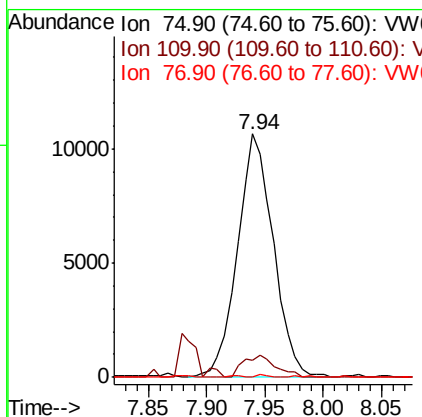
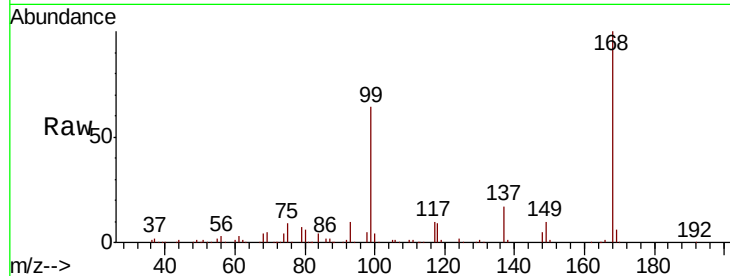




#36
 1,1-Dichloropropene
 Concen: 4.991 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012621.D
 Acq: 05 Sep 2019 06:08

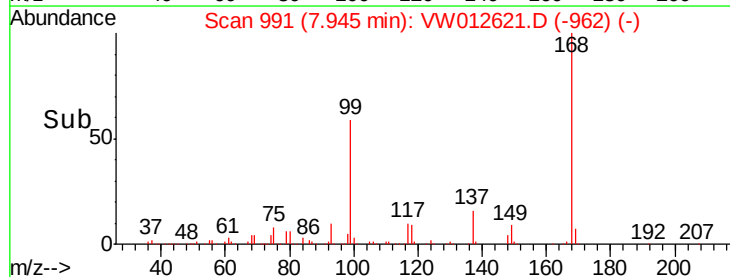
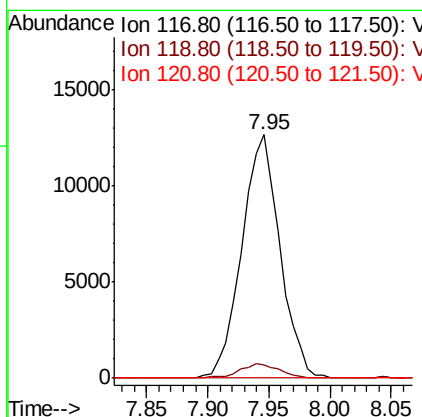
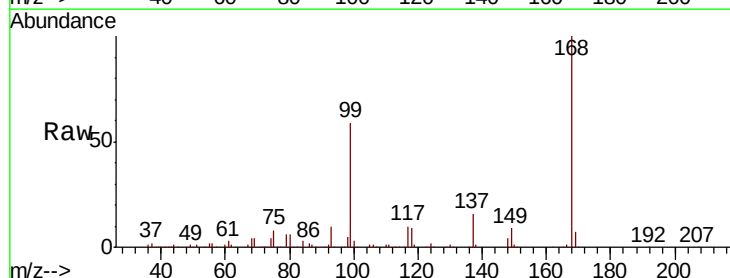
Instrument :
 MSVOA_W
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 T7-S-G2-(0)

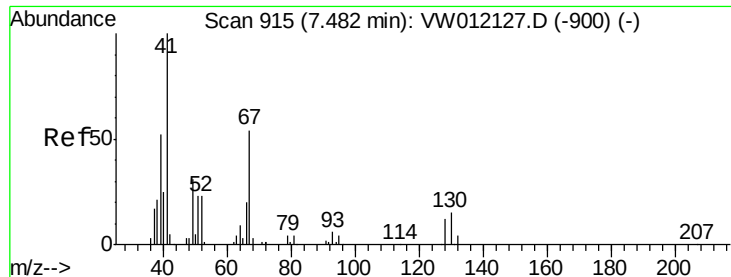
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.6	46.8#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.913 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012621.D
 Acq: 05 Sep 2019 06:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.2	114.2#
121	0.0	23.8	35.8#





#41

Methacrylonitrile

Concen: 2.785 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.05 min

Lab File: VW012621.D

Acq: 05 Sep 2019 06:08

Instrument :

MSVOA_W

ClientSampleId :

T7-S-G2-(0)

Tgt Ion: 41 Resp: 4107

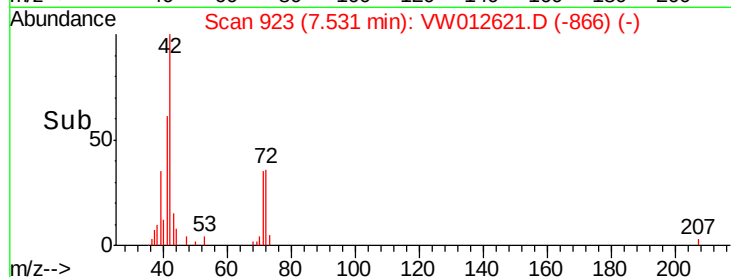
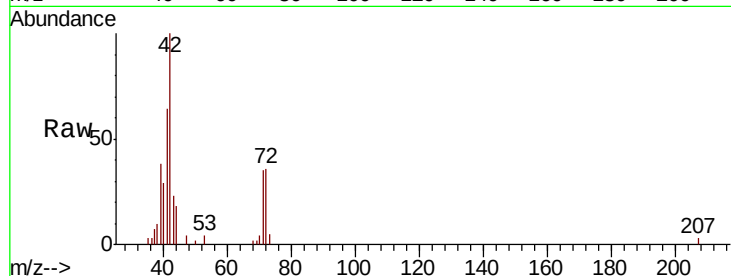
Ion Ratio Lower Upper

41 100

39 52.3 45.8 68.8

67 0.5 46.2 69.4#

52 0.0 21.0 31.6#

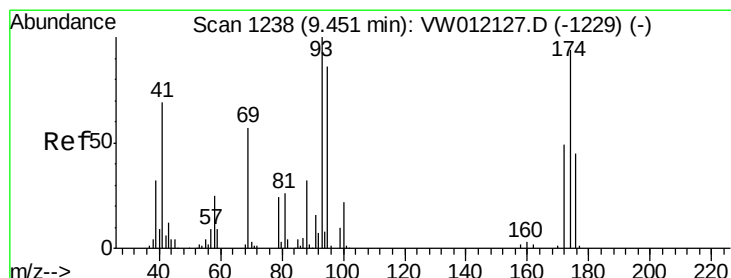
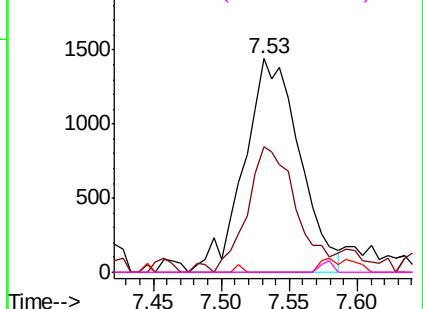


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.222 ug/l

RT: 9.40 min Scan# 1230

Delta R.T. -0.05 min

Lab File: VW012621.D

Acq: 05 Sep 2019 06:08

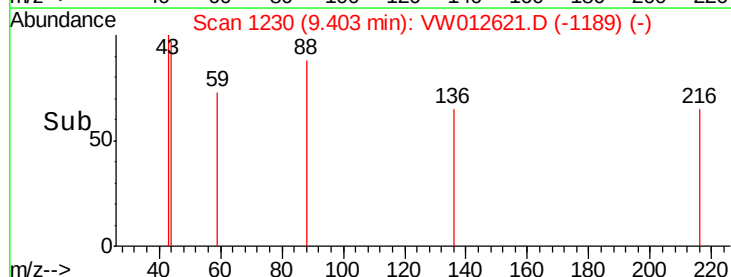
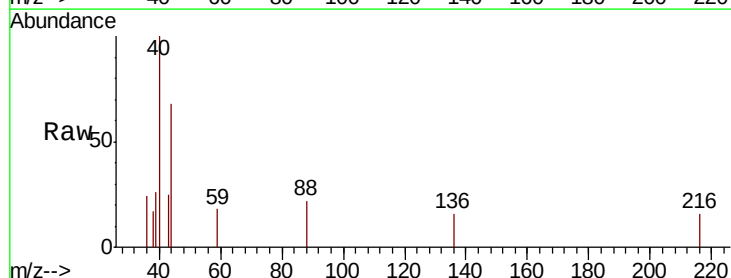
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 296.4 32.9 49.3#

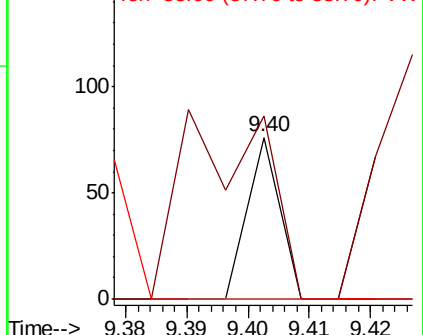
58 0.0 71.0 106.4#

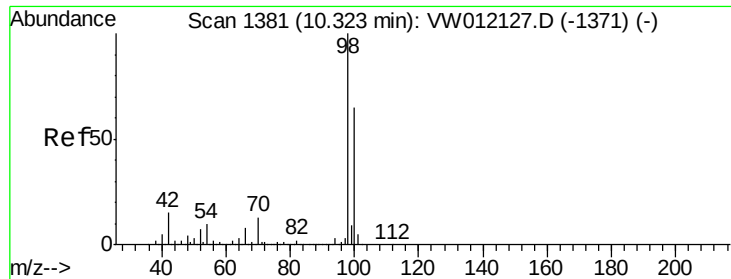


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

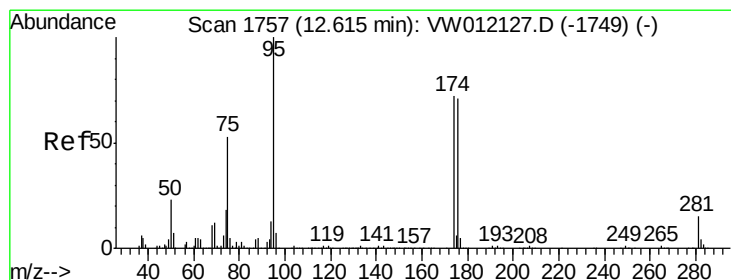
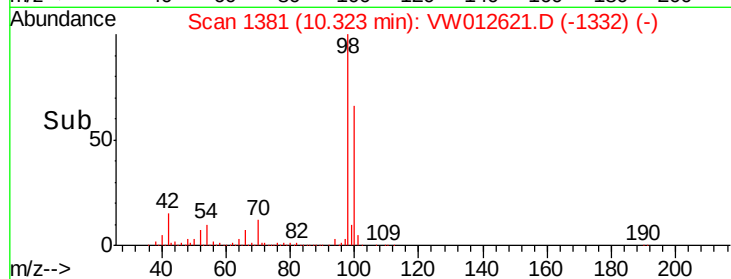
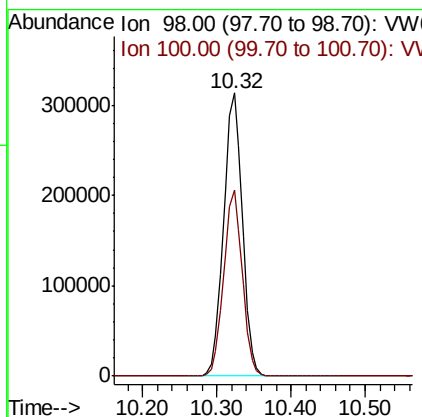
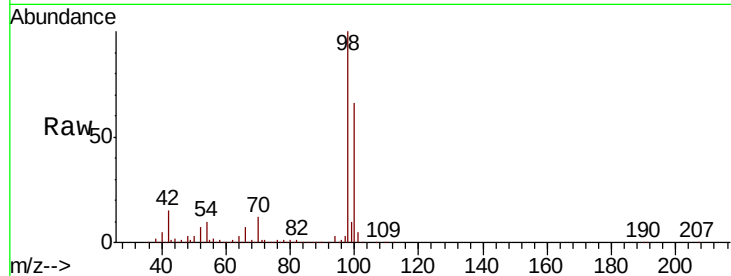




#50
Toluene-d8
Concen: 51.506 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

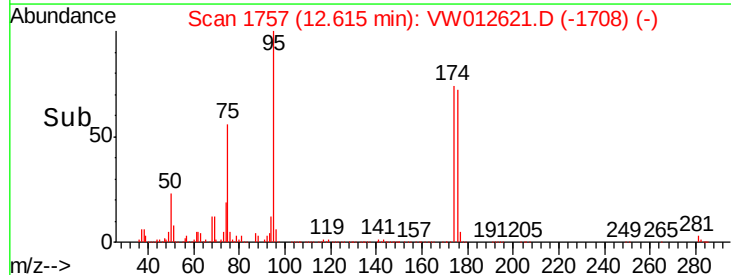
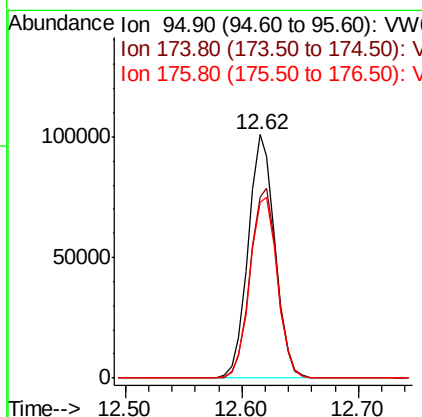
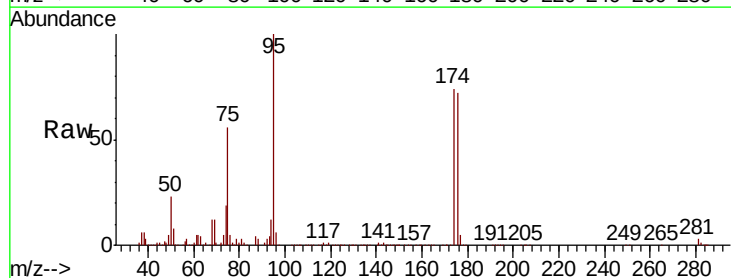
Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

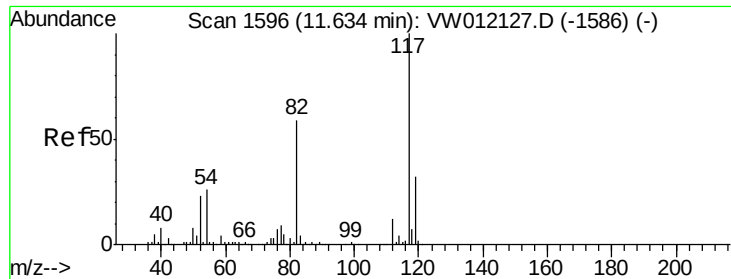
Tgt Ion: 98 Resp: 552340
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.690 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Tgt Ion: 95 Resp: 161375
Ion Ratio Lower Upper
95 100
174 79.9 0.0 150.8
176 76.9 0.0 148.6

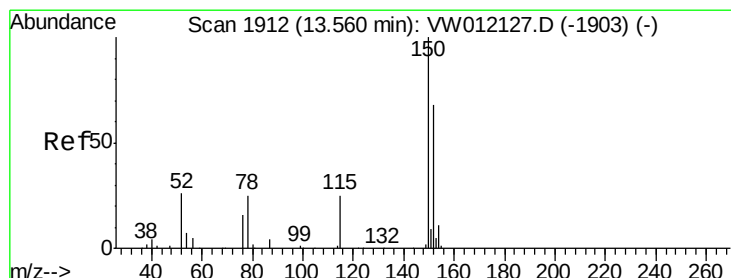
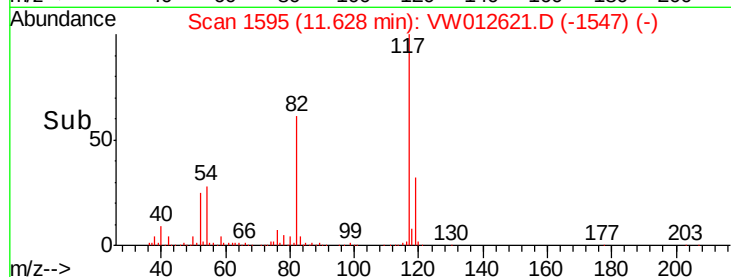
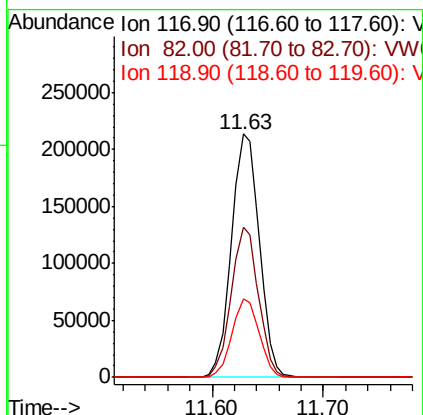
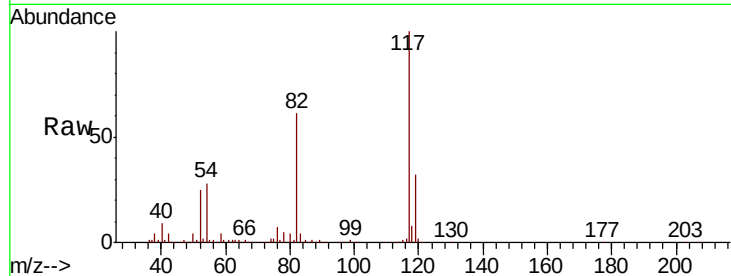




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

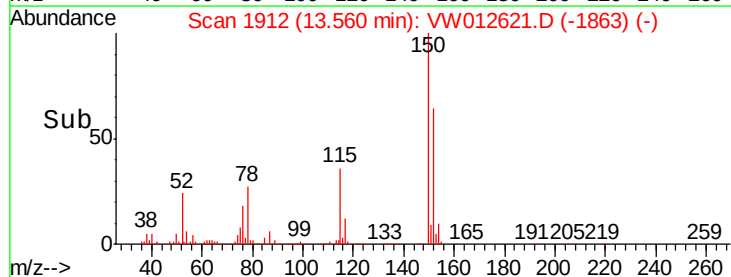
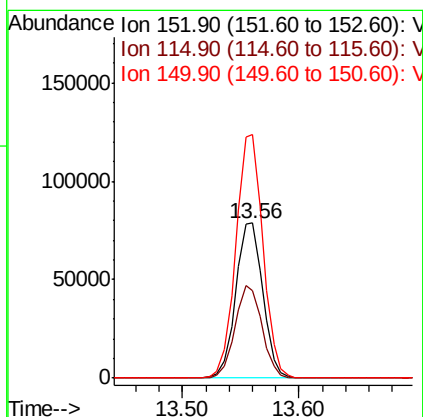
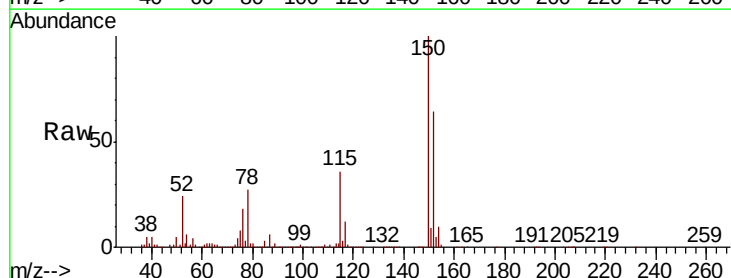
Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

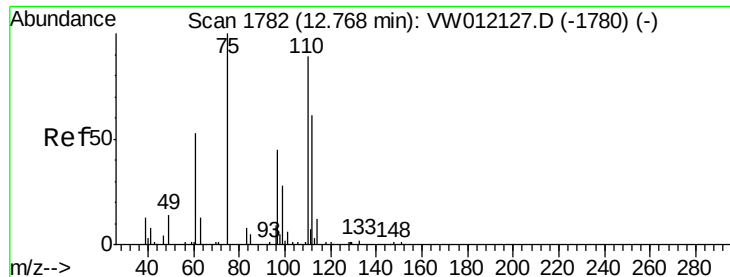
Tgt Ion:117 Resp: 371022
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Tgt Ion:152 Resp: 128174
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.3
150 156.7 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 71.629 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012621.D

Acq: 05 Sep 2019 06:08

Instrument :

MSVOA_W

ClientSampled :

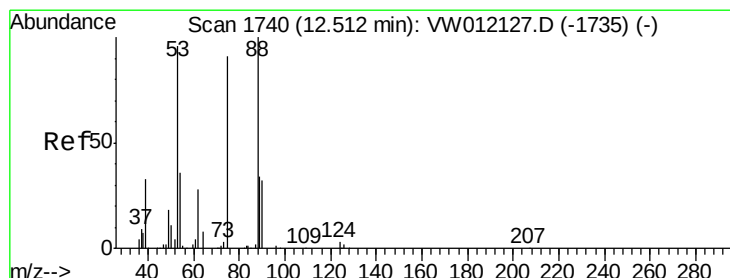
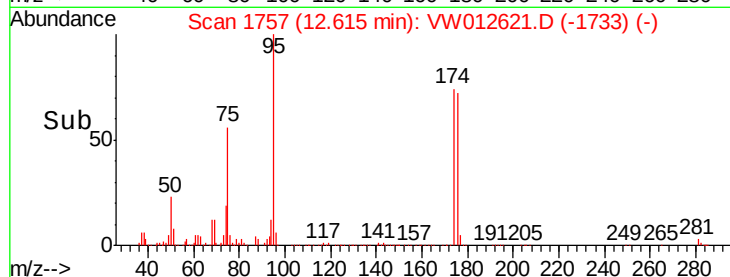
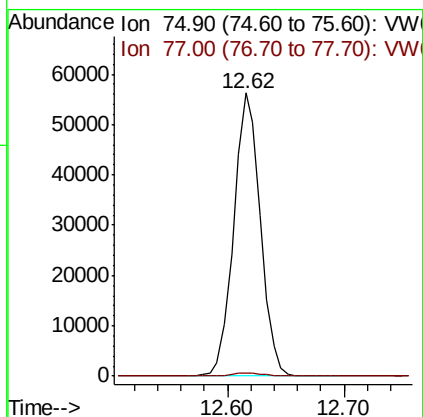
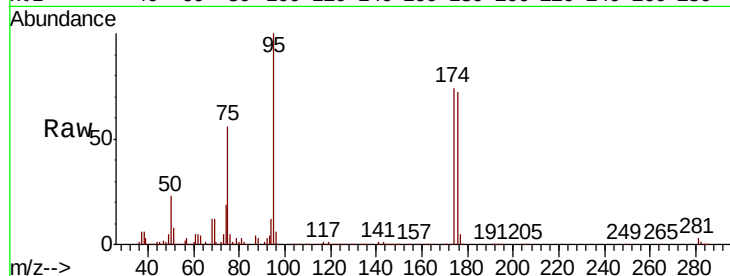
T7-S-G2-(0)

Tgt Ion: 75 Resp: 89416

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.049 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012621.D

Acq: 05 Sep 2019 06:08

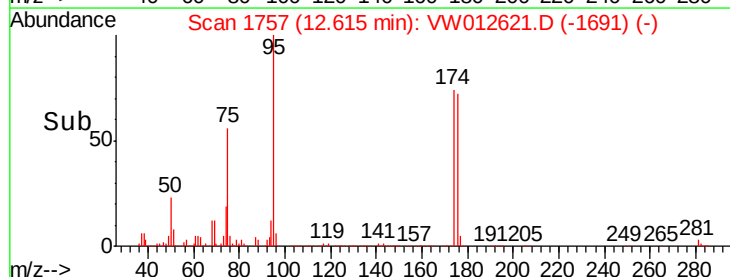
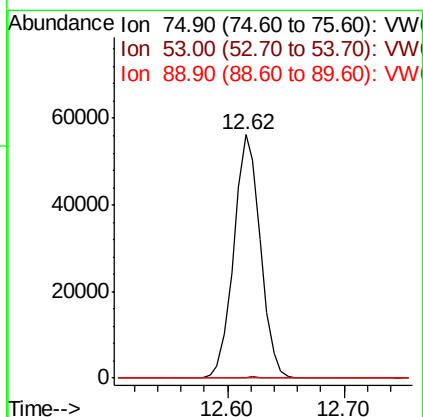
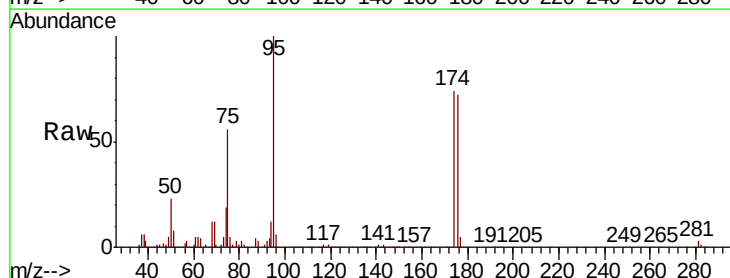
Tgt Ion: 75 Resp: 89416

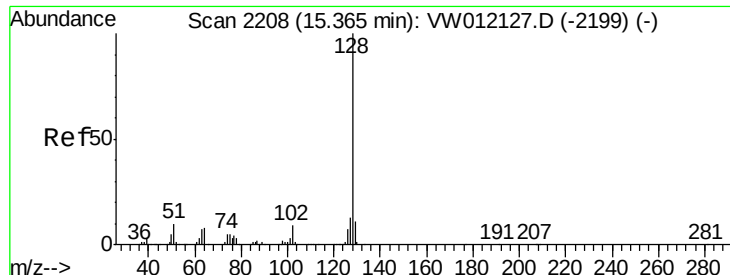
Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.435 ug/l
RT: 15.36 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VW012621.D
Acq: 05 Sep 2019 06:08

Instrument :
MSVOA_W
ClientSampleId :
T7-S-G2-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.7	16.1#
129	55.6	8.7	13.1#

