

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012675.D
 Acq On : 06 Sep 2019 06:56
 Operator : SY/VA
 Sample : K4581-04
 Misc : 4.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C2-(0)

Quant Time: Sep 06 08:00:13 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	105913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	168301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	71786	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
35) Dibromofluoromethane	7.88	113	55328	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
50) Toluene-d8	10.32	98	196404	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.62	95	53381	37.18	ug/l	0.00
Spiked Amount			Recovery	=	74.36%	

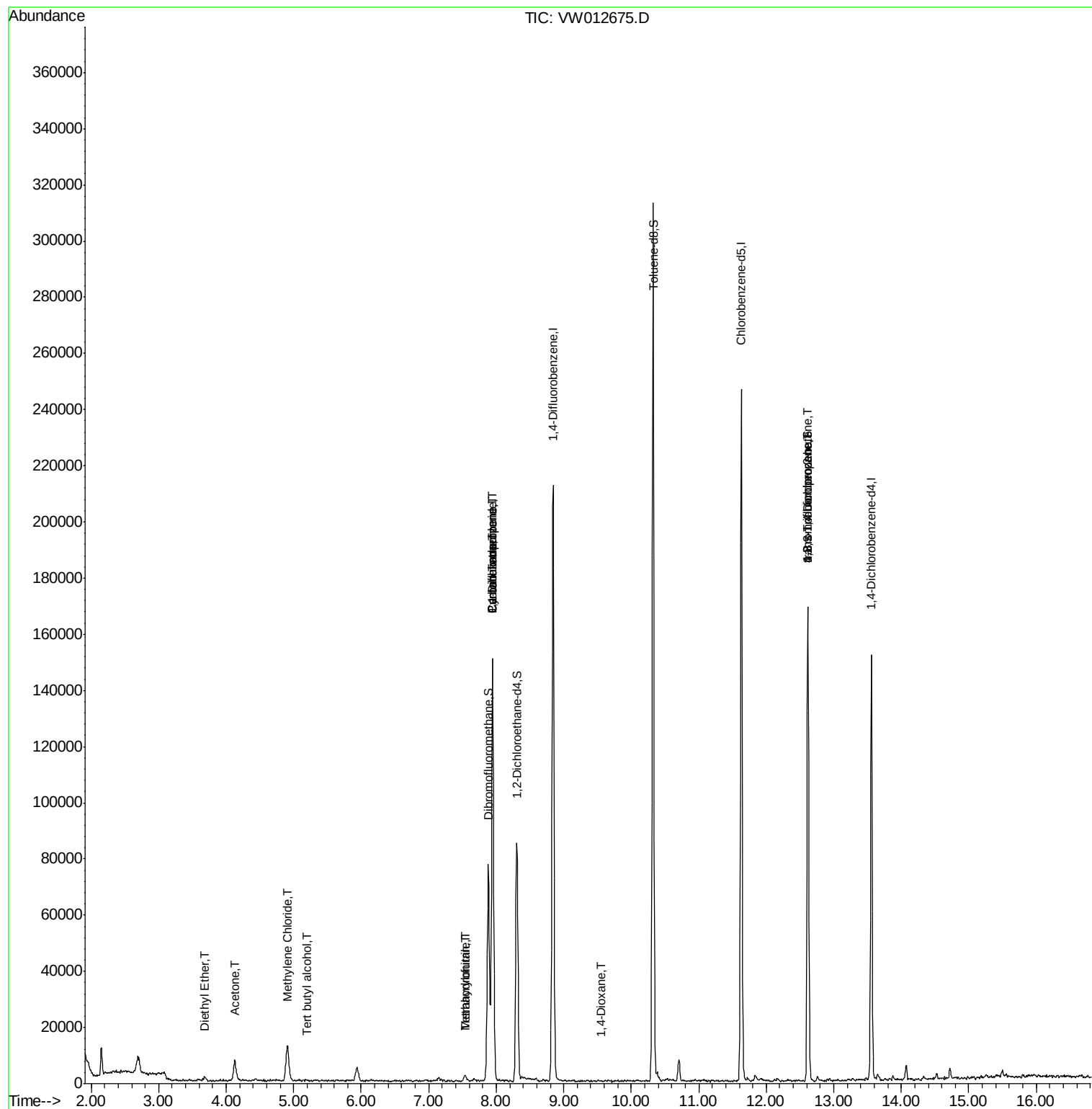
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	801	1.359	ug/l	99
11) Tert butyl alcohol	5.20	59	206	2.719	ug/l #	90
16) Acetone	4.12	43	13607	42.279	ug/l	95
20) Methylene Chloride	4.91	84	8484	6.973	ug/l	95
29) Tetrahydrofuran	7.53	42	2238	8.529	ug/l #	89
31) Cyclohexane	7.95	56	2569	1.133	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	8660	4.979	ug/l #	54
38) Carbon Tetrachloride	7.95	117	10509	6.981	ug/l #	16
41) Methacrylonitrile	7.54	41	1446	2.581	ug/l #	56
49) 1,4-Dioxane	9.56	88	20	2.297	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	28980	75.790	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28980	166.172	ug/l #	6

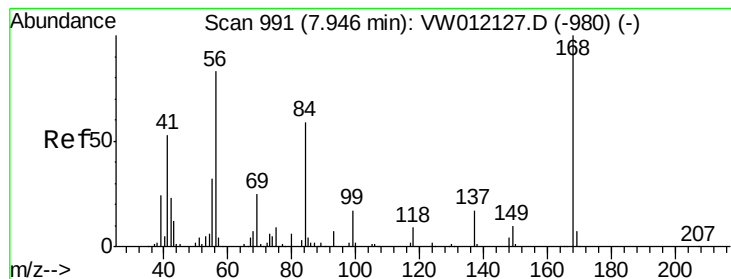
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012675.D

Acq: 06 Sep 2019 06:56

Instrument :

MSVOA_W

ClientSampleId :

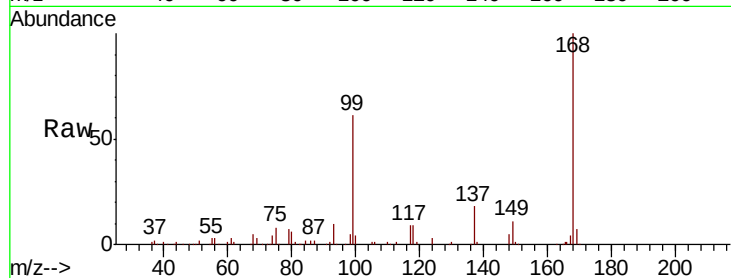
T12-C2-(0)

Tgt Ion:168 Resp: 105913

Ion Ratio Lower Upper

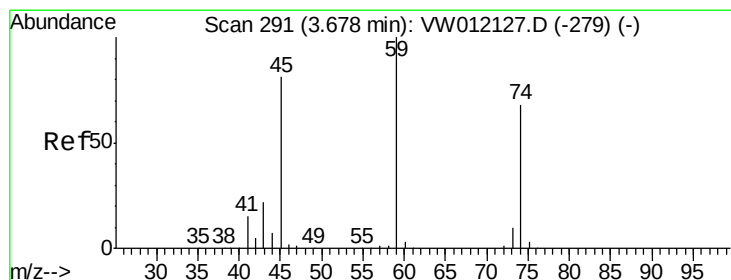
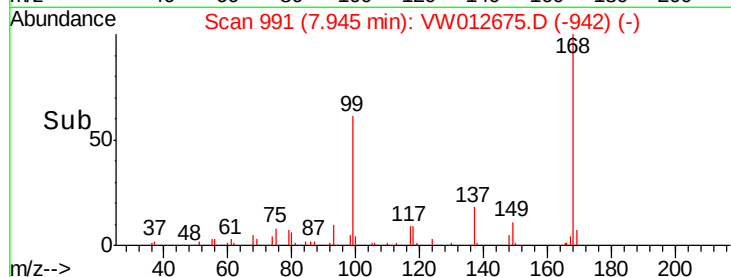
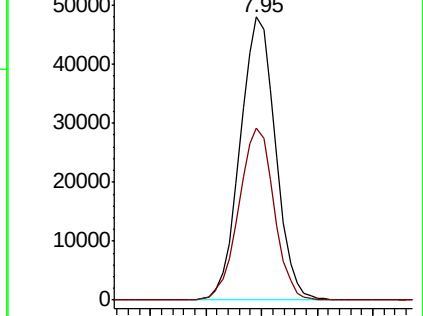
168 100

99 60.7 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: 1.359 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012675.D

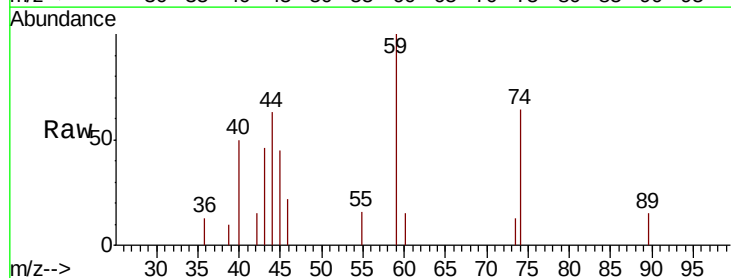
Acq: 06 Sep 2019 06:56

Tgt Ion: 74 Resp: 801

Ion Ratio Lower Upper

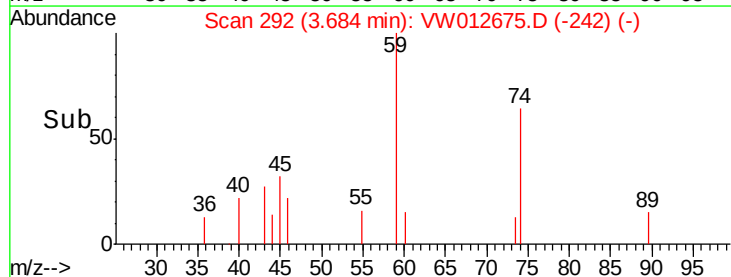
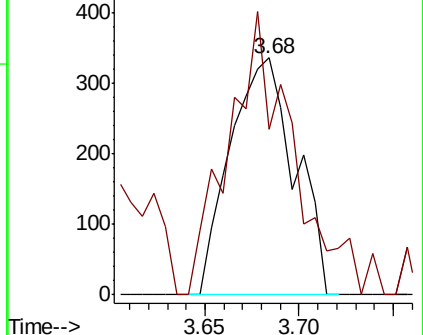
74 100

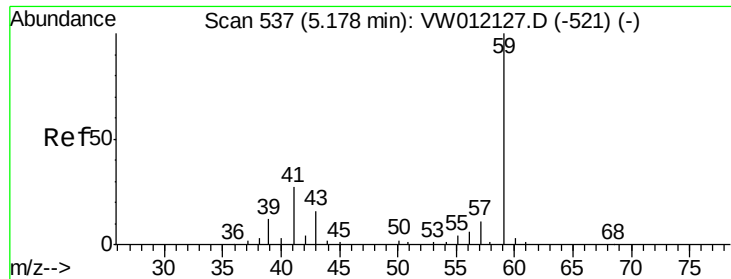
45 119.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

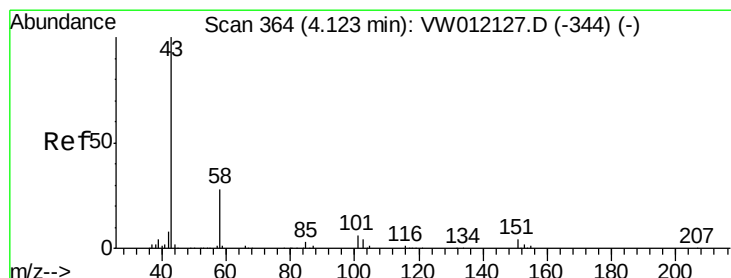
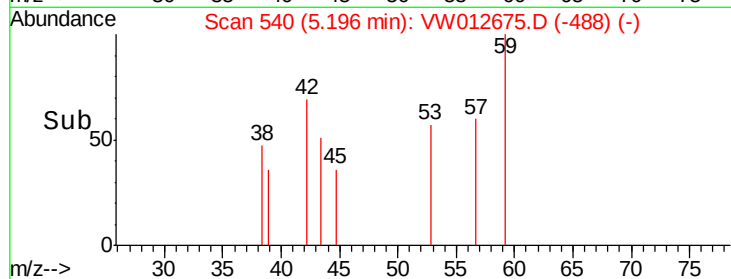
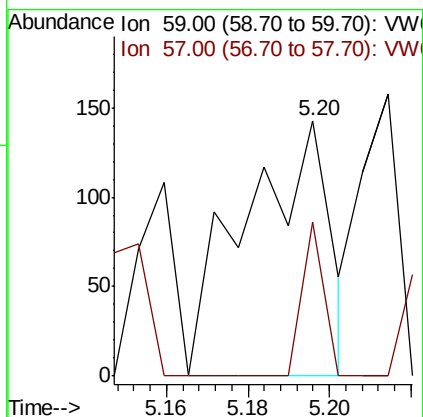
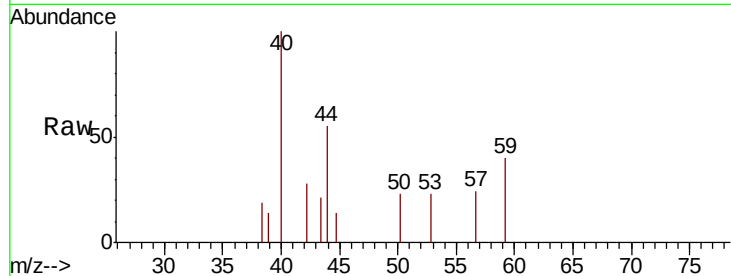




#11
Tert butyl alcohol
Concen: 2.719 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

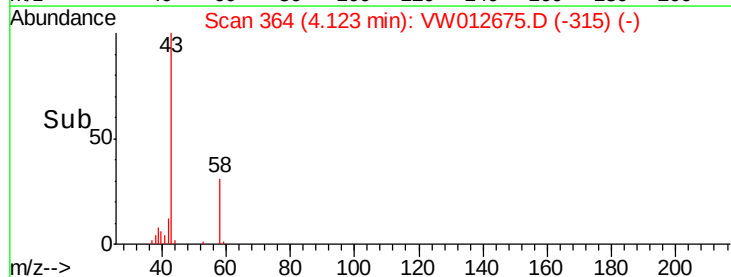
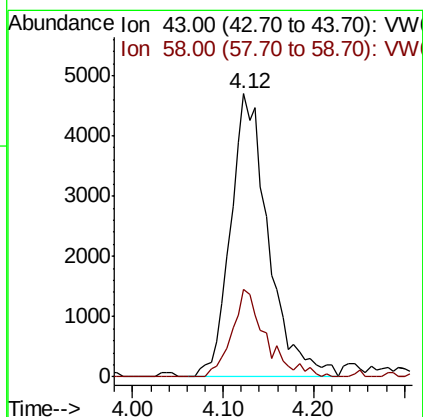
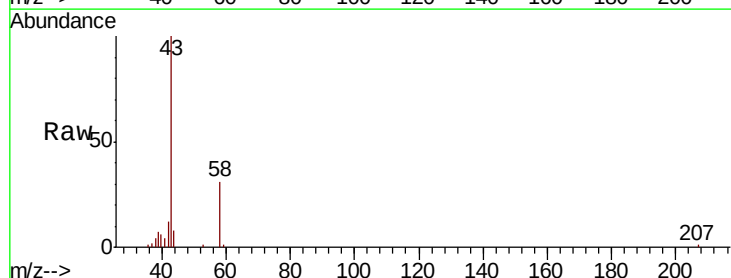
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T12-C2-(0)

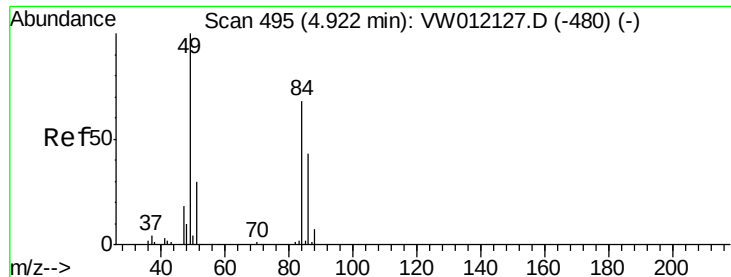
Tgt Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 15.0 9.0 13.4#



#16
Acetone
Concen: 42.279 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Tgt Ion: 43 Resp: 13607
Ion Ratio Lower Upper
43 100
58 30.8 22.4 33.6

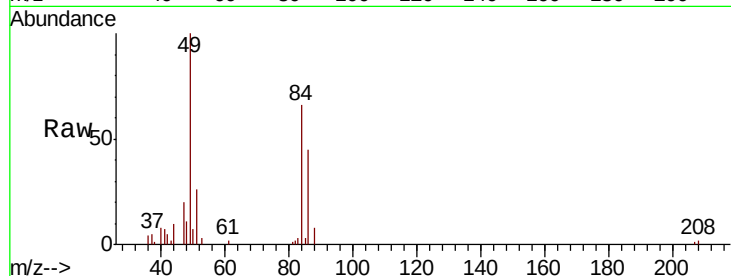




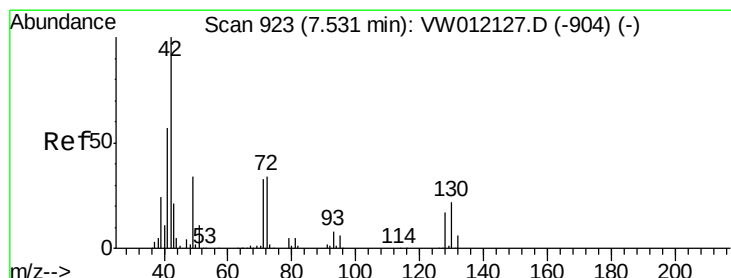
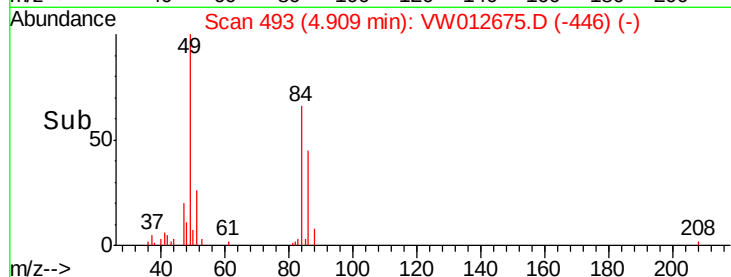
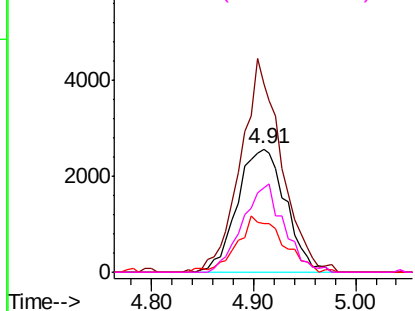
#20
Methylene Chloride
Concen: 6.973 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

Tgt Ion: 84 Resp: 8484
Ion Ratio Lower Upper
84 100
49 152.5 117.8 176.8
51 39.5 35.6 53.4
86 68.8 51.2 76.8

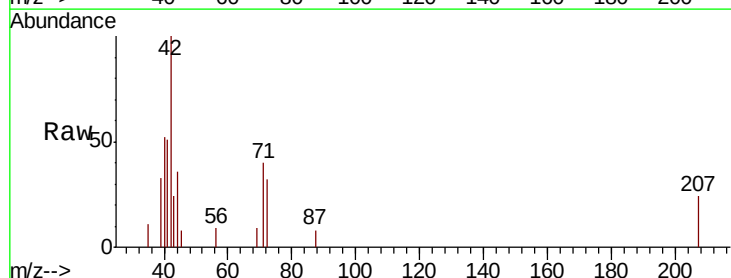


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

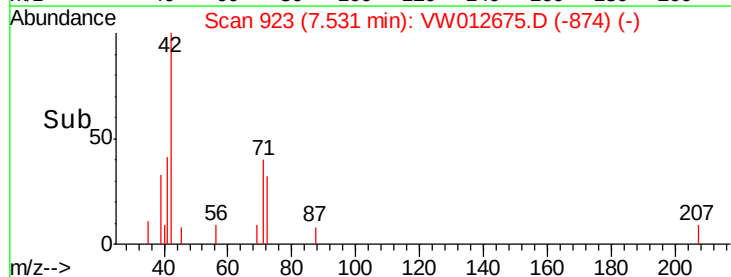
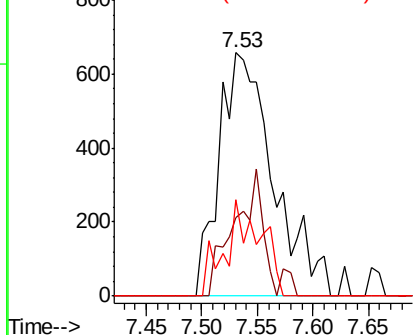


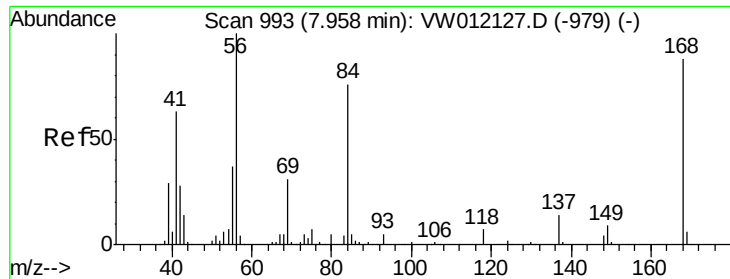
#29
Tetrahydrofuran
Concen: 8.529 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Tgt Ion: 42 Resp: 2238
Ion Ratio Lower Upper
42 100
72 26.9 27.3 40.9#
71 26.1 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

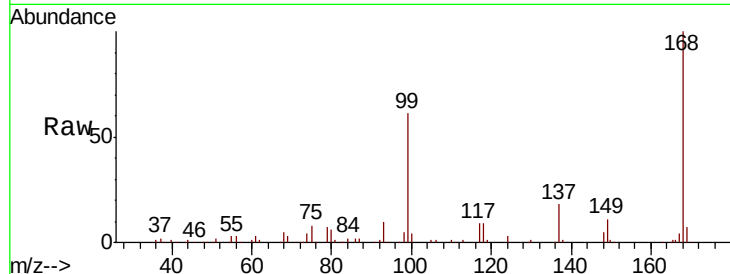




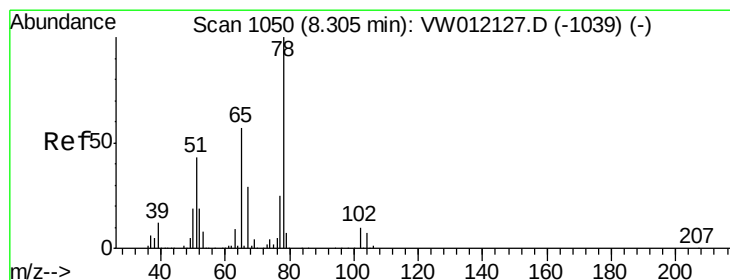
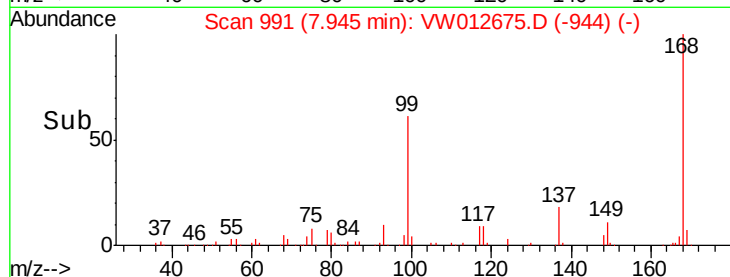
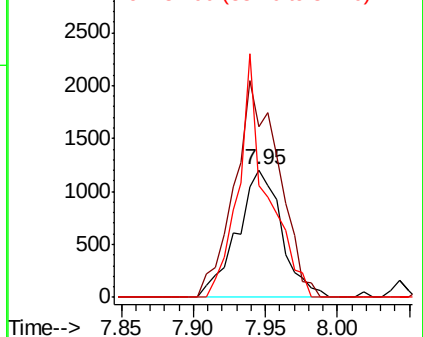
#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Instrument :
MSVOA_W
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T12-C2-(0)

Tgt Ion: 56 Resp: 2569
Ion Ratio Lower Upper
56 100
69 134.5 24.9 37.3#
84 87.4 60.6 90.8

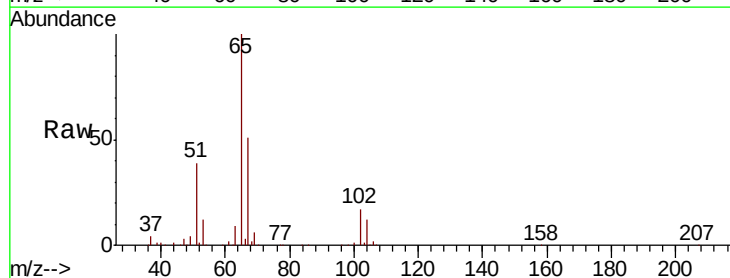


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

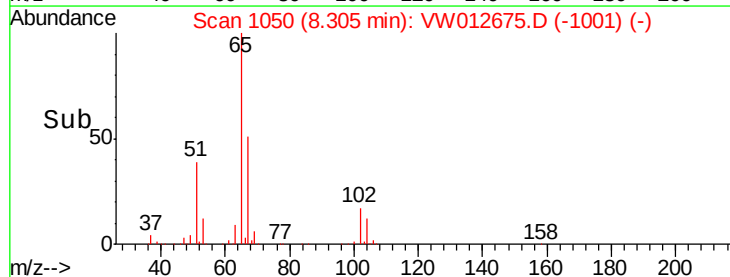
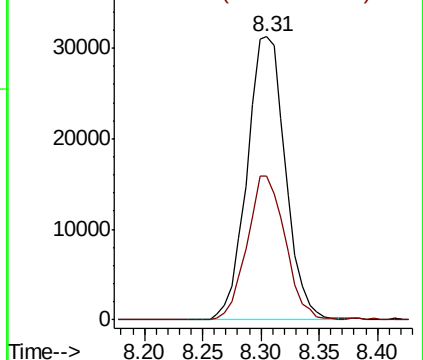


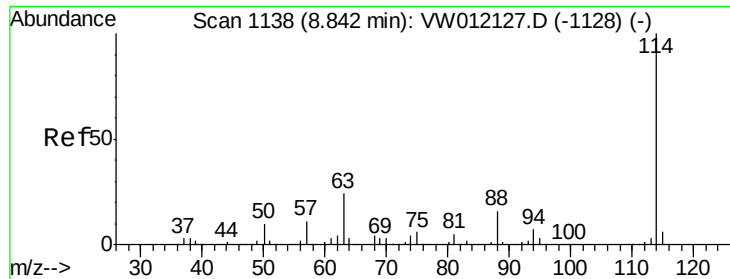
#33
1,2-Dichloroethane-d4
Concen: 57.016 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Tgt Ion: 65 Resp: 71786
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

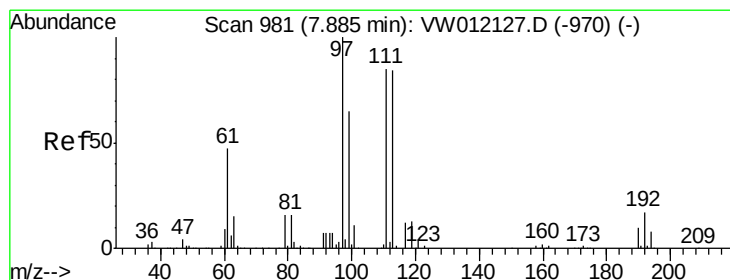
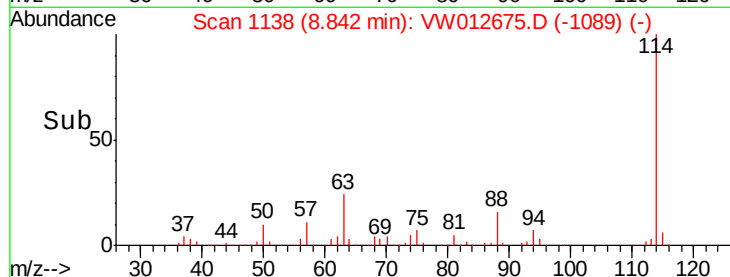
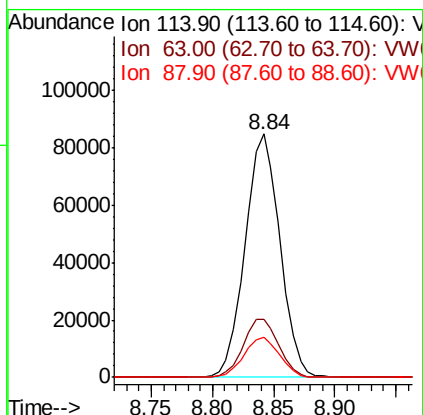
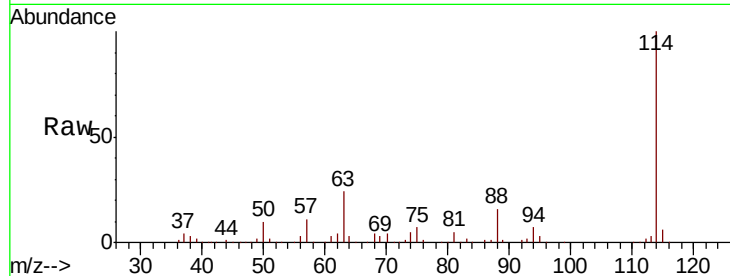




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012675.D
 Acq: 06 Sep 2019 06:56

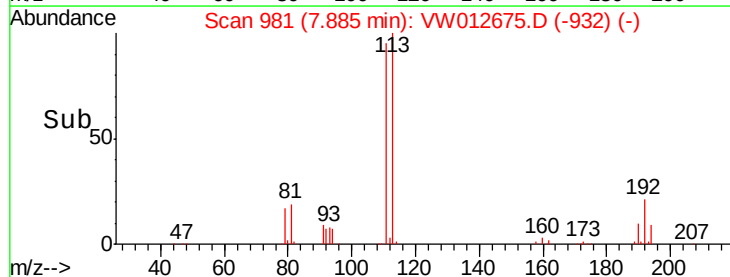
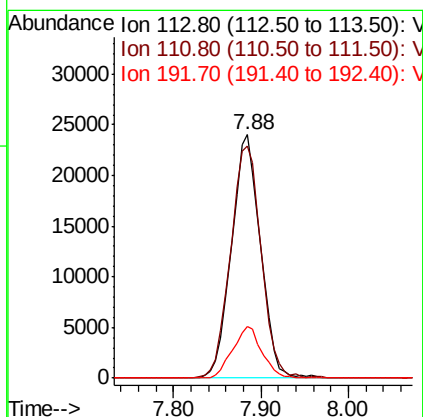
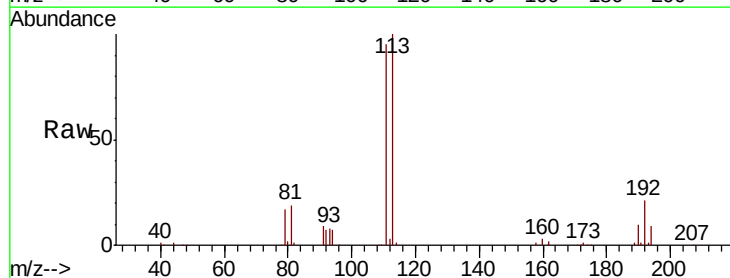
Instrument :
 MSVOA_W
 ClientSampled :
 T12-C2-(0)

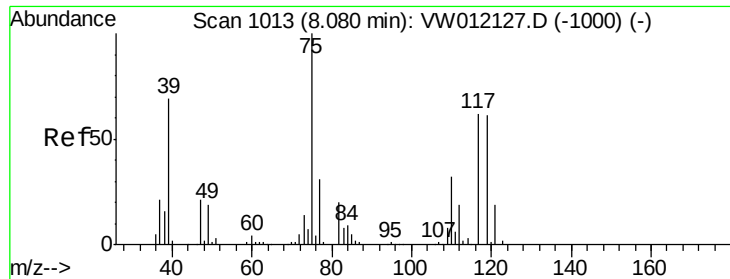
Tgt Ion:114 Resp: 168301
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.6
 88 16.3 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 55.075 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012675.D
 Acq: 06 Sep 2019 06:56

Tgt Ion:113 Resp: 55328
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.7 124.1
 192 21.3 16.2 24.2





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

Instrument :

MSVOA_W

ClientSampleId :

T12-C2-(0)

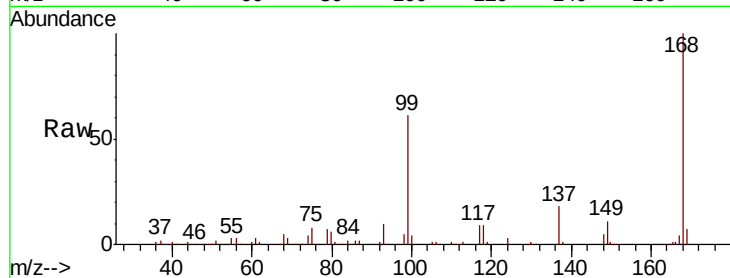
Tgt Ion: 75 Resp: 8660

Ion Ratio Lower Upper

75 100

110 10.9 15.6 46.8#

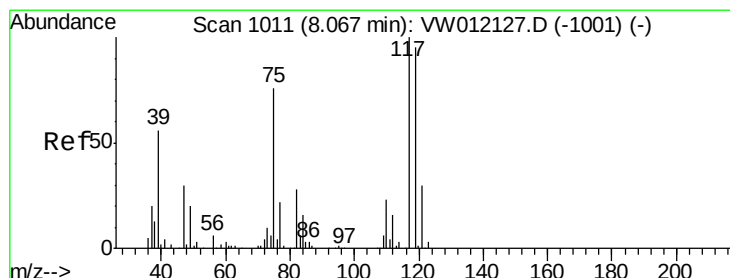
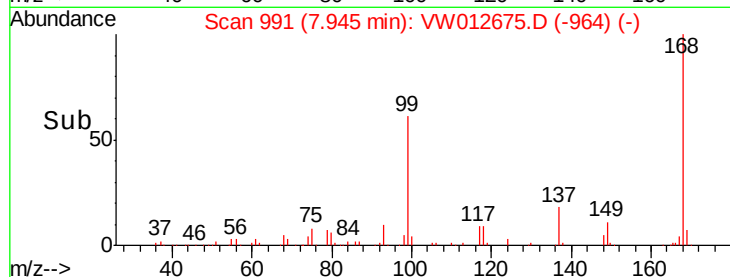
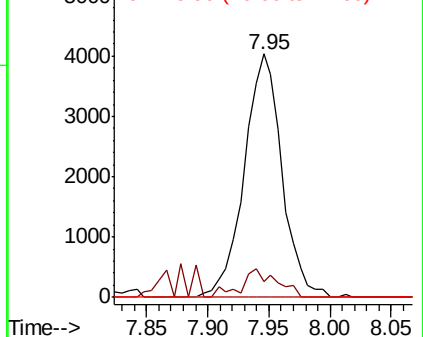
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.981 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

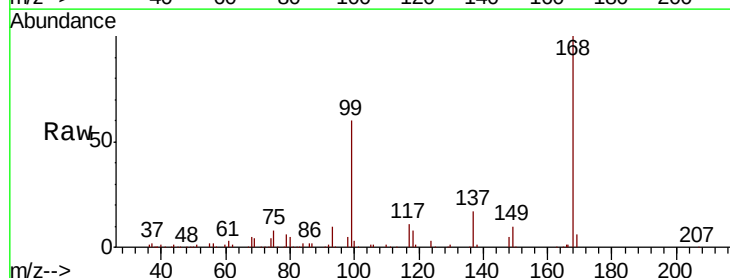
Tgt Ion: 117 Resp: 10509

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

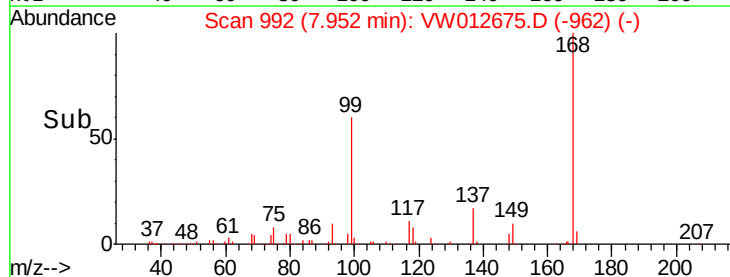
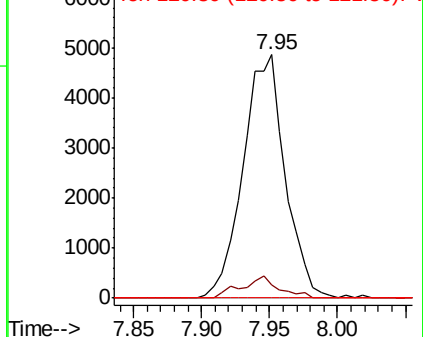
121 0.0 23.8 35.8#

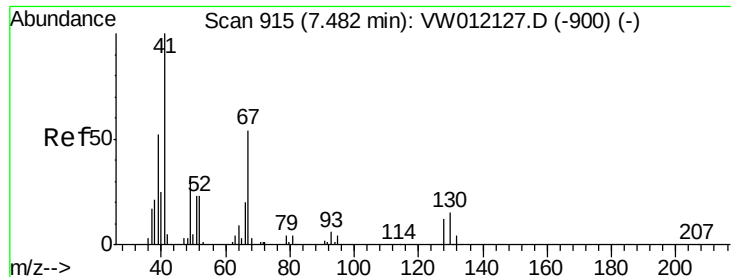


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

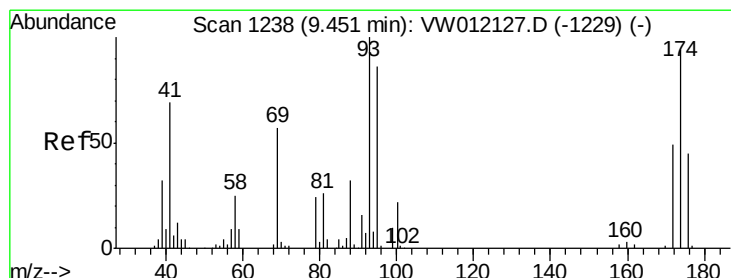
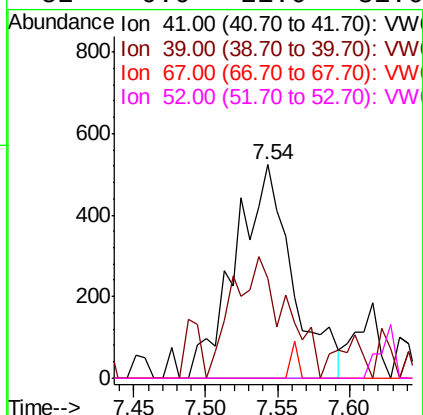
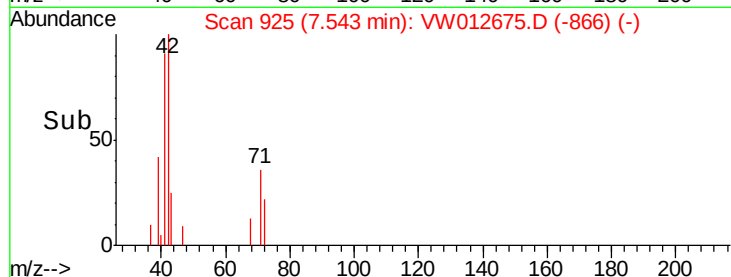
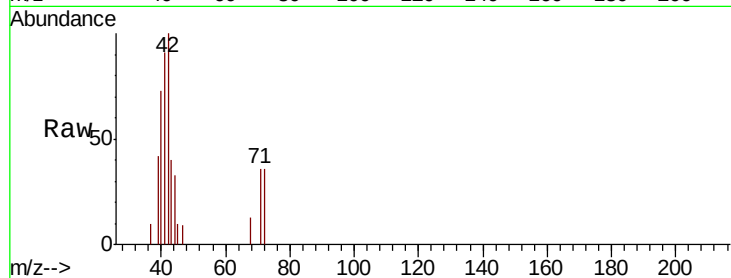




#41
Methacrylonitrile
Concen: 2.581 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

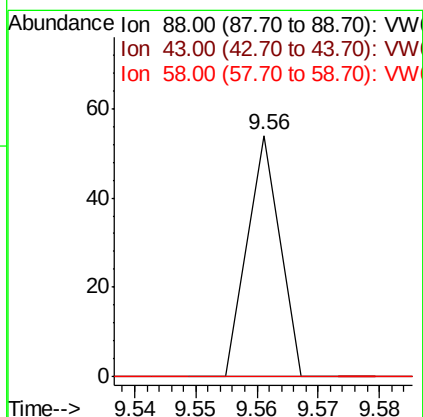
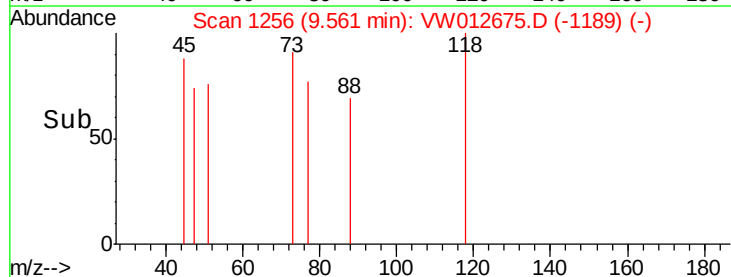
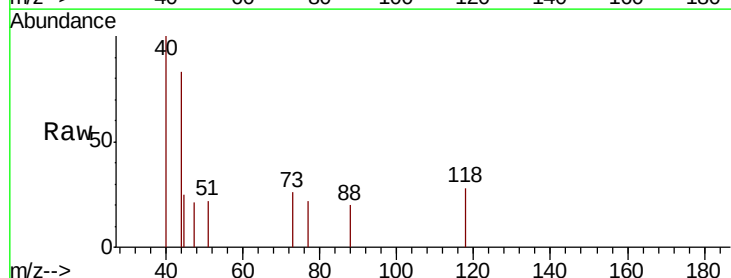
Instrument :
MSVOA_W
ClientSampled :
T12-C2-(0)

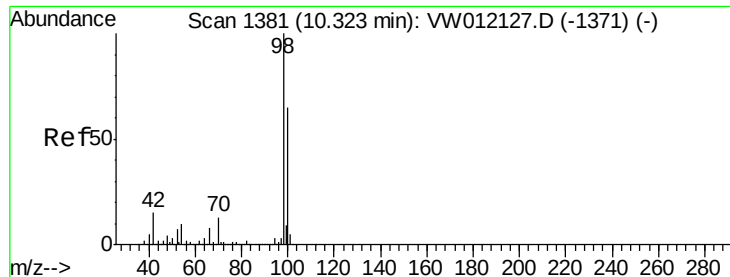
Tgt Ion:	41	Resp:	1446
Ion	Ratio	Lower	Upper
41	100		
39	53.1	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 2.297 ug/l
RT: 9.56 min Scan# 1256
Delta R.T. 0.11 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 48.217 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

Instrument :

MSVOA_W

ClientSampleId :

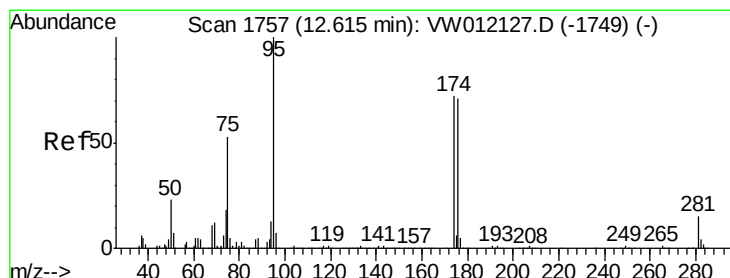
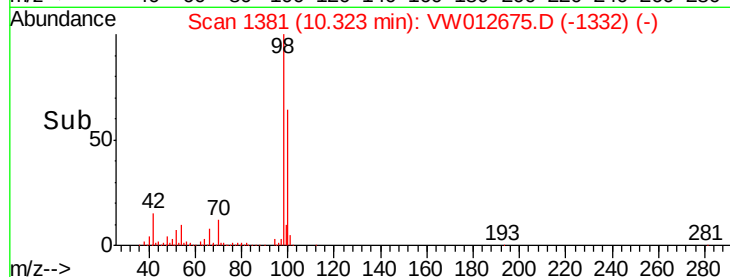
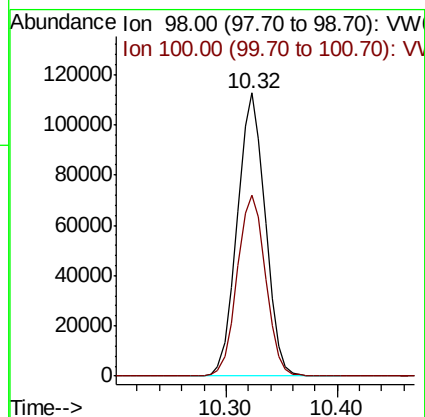
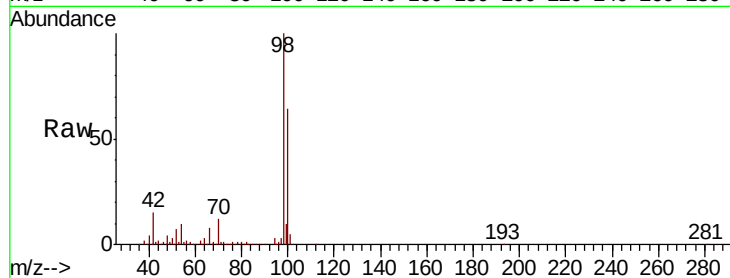
T12-C2-(0)

Tgt Ion: 98 Resp: 196404

Ion Ratio Lower Upper

98 100

100 64.8 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 37.177 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

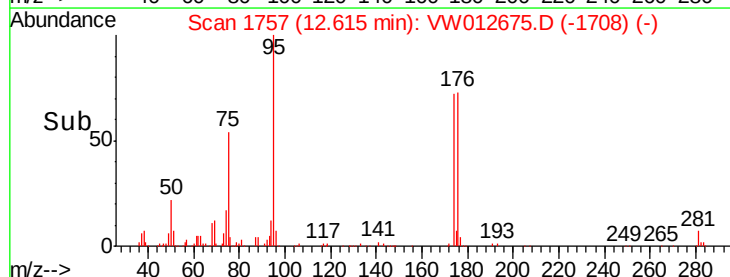
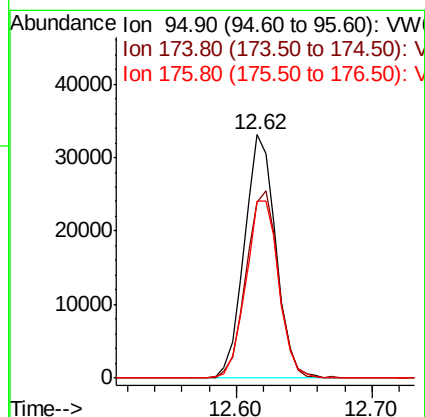
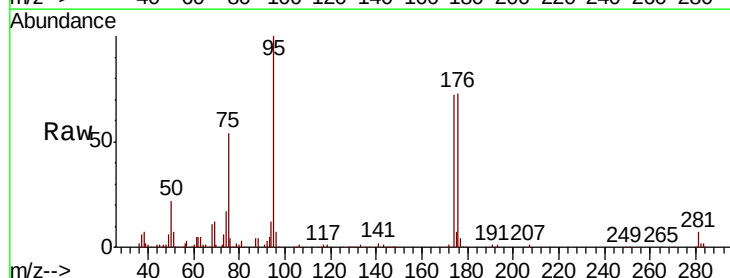
Tgt Ion: 95 Resp: 53381

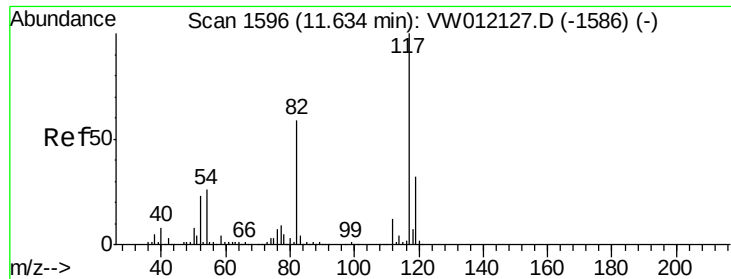
Ion Ratio Lower Upper

95 100

174 79.5 0.0 150.8

176 76.5 0.0 148.6

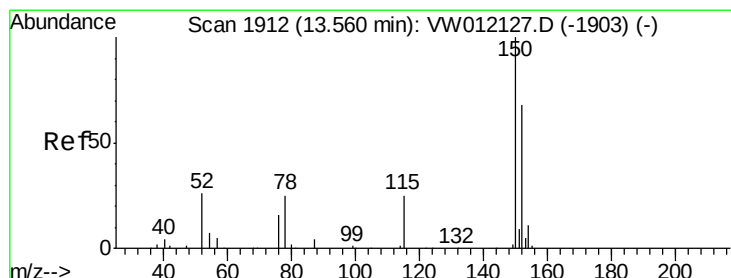
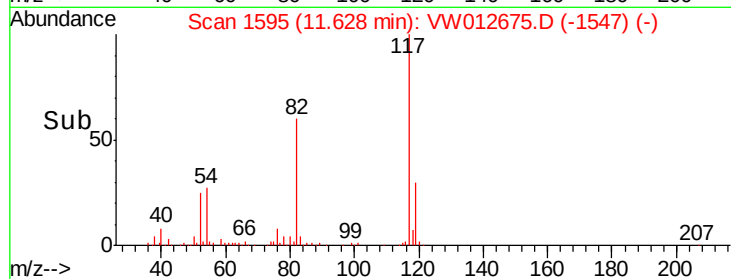
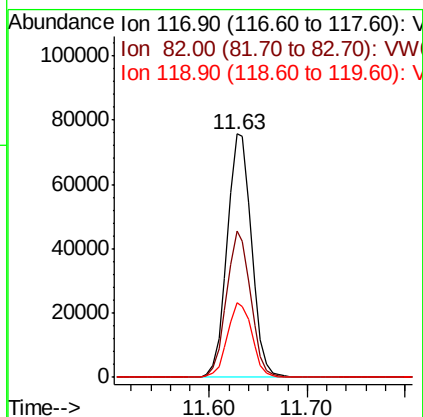
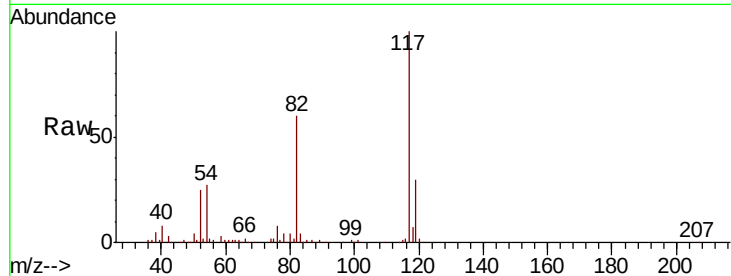




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

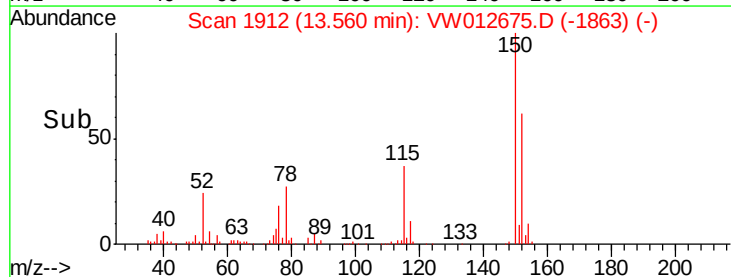
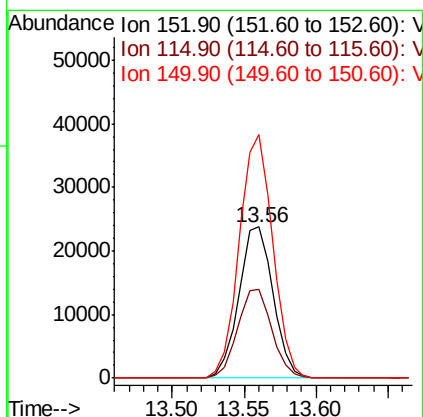
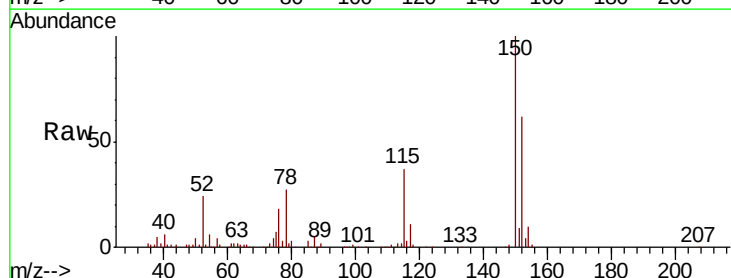
Instrument :
MSVOA_W
ClientSampleId :
T12-C2-(0)

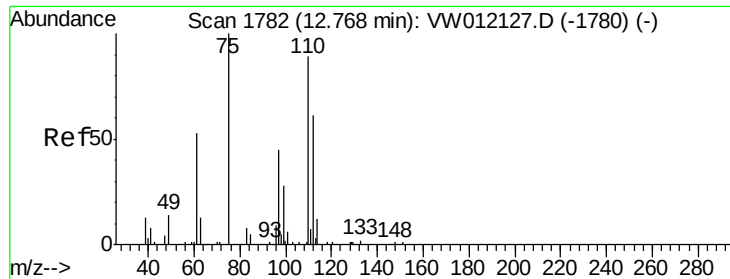
Tgt Ion:117 Resp: 131069
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 30.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012675.D
Acq: 06 Sep 2019 06:56

Tgt Ion:152 Resp: 39261
Ion Ratio Lower Upper
152 100
115 58.5 30.1 90.3
150 157.1 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 75.790 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

Instrument :

MSVOA_W

ClientSampleId :

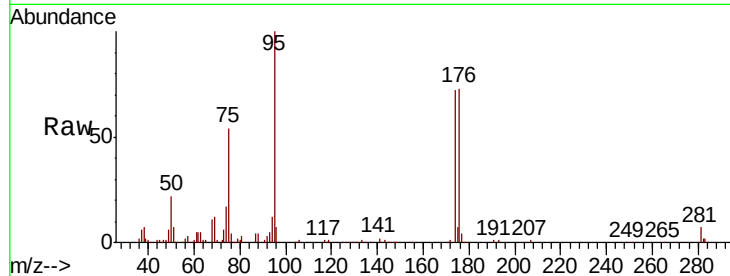
T12-C2-(0)

Tgt Ion: 75 Resp: 28980

Ion Ratio Lower Upper

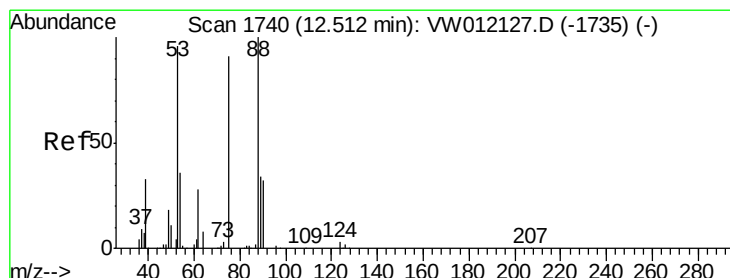
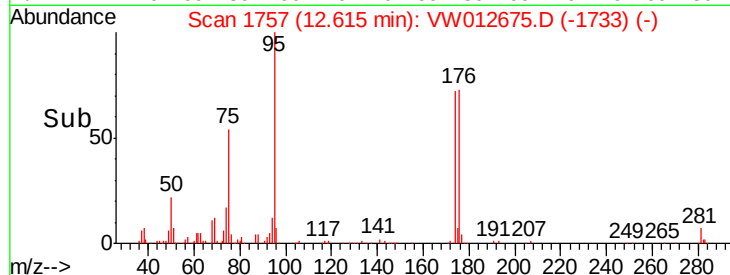
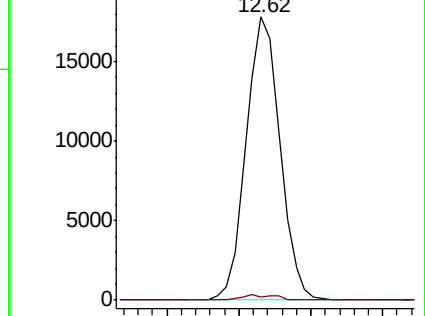
75 100

77 1.7 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: 166.172 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012675.D

Acq: 06 Sep 2019 06:56

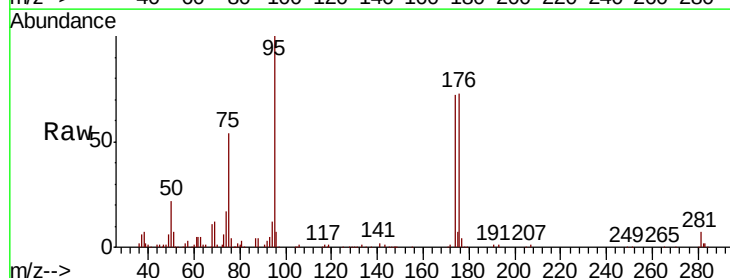
Tgt Ion: 75 Resp: 28980

Ion Ratio Lower Upper

75 100

53 0.4 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

