

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012092.D
 Acq On : 22 Aug 2019 01:03
 Operator : SY/VA
 Sample : K4403-15
 Misc : 6.32G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-I(2.5)

Quant Time: Aug 22 05:21:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

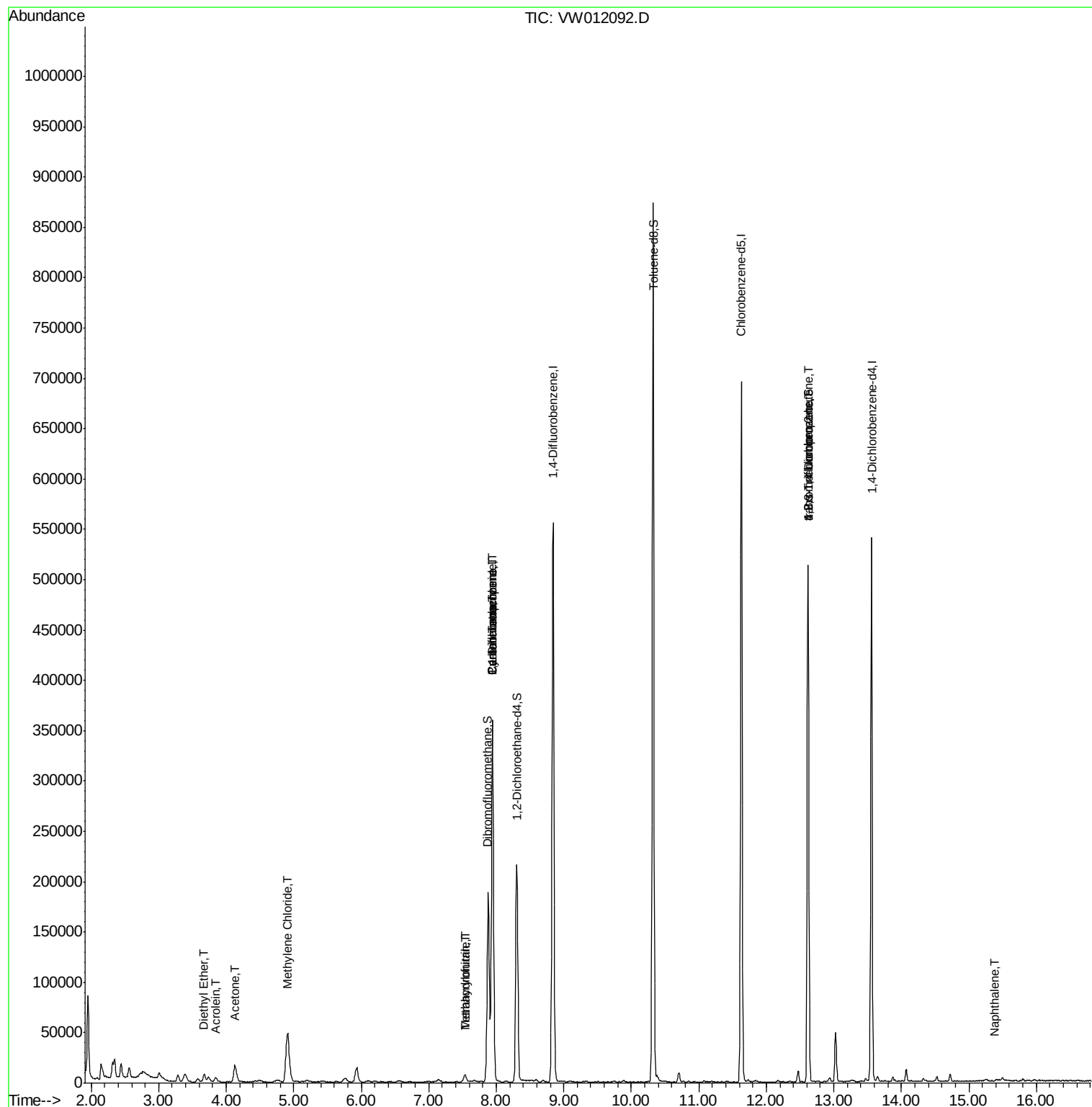
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	442096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133065	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	173356	57.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.08%	
35) Dibromofluoromethane	7.88	113	137311	55.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.72%	
50) Toluene-d8	10.32	98	547724	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.62	95	168482	46.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	3953	2.533	ug/l	80
11) Tert butyl alcohol	5.20	59	3396	Below Cal	#	86
13) Acrolein	3.84	56	262	1.201	ug/l #	1
16) Acetone	4.13	43	31986	33.084	ug/l	98
20) Methylene Chloride	4.90	84	37711	11.310	ug/l	98
29) Tetrahydrofuran	7.54	42	6549	9.056	ug/l	98
31) Cyclohexane	7.95	56	6659	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	22869	4.975	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26565	6.750	ug/l #	16
41) Methacrylonitrile	7.54	41	4451	2.815	ug/l #	57
76) 1,2,3-Trichloropropane	12.61	75	89693	63.703	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.61	75	89693	146.814	ug/l #	6
95) Naphthalene	15.38	128	289	2.119	ug/l #	69

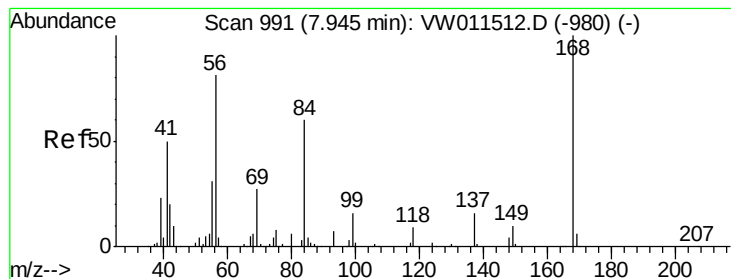
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012092.D

Acq: 22 Aug 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

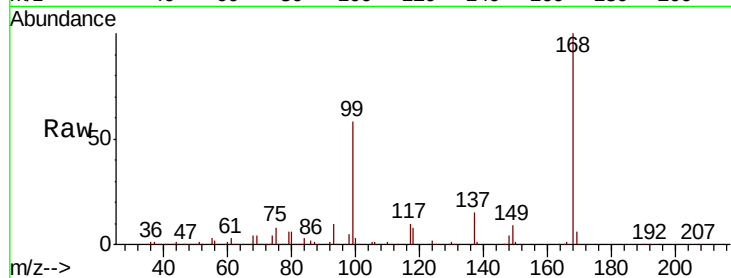
T1-I(2.5)

Tgt Ion:168 Resp: 264686

Ion Ratio Lower Upper

168 100

99 57.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

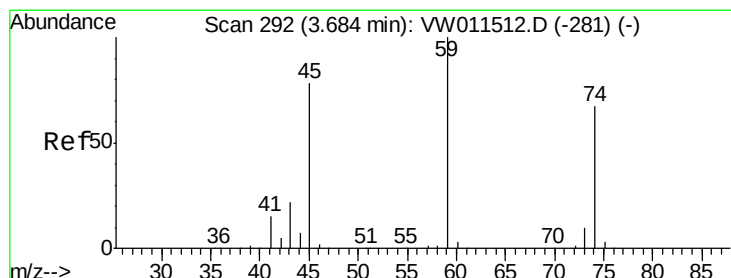
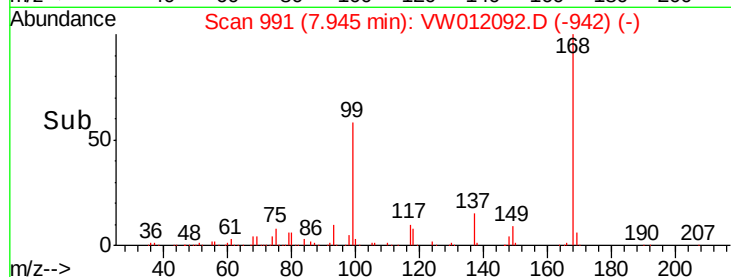
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.533 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.02 min

Lab File: VW012092.D

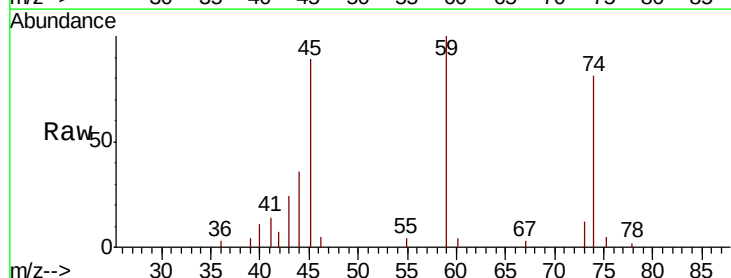
Acq: 22 Aug 2019 01:03

Tgt Ion: 74 Resp: 3953

Ion Ratio Lower Upper

74 100

45 141.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

2500

2000

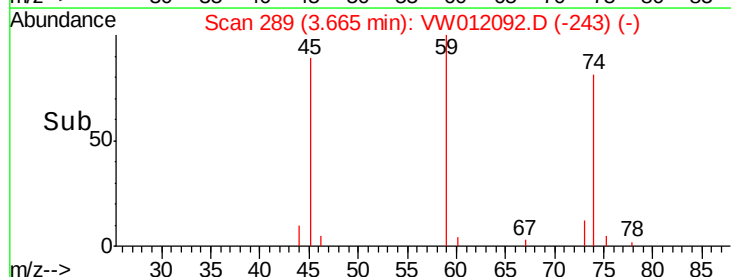
1500

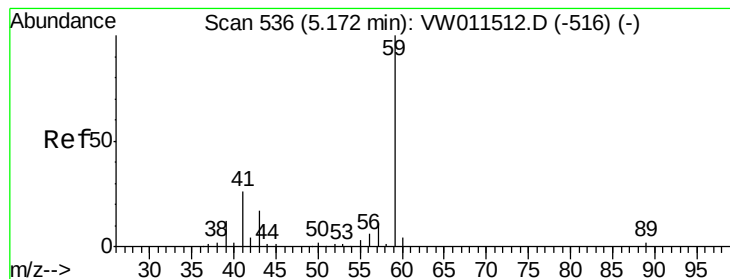
1000

500

0

Time-->



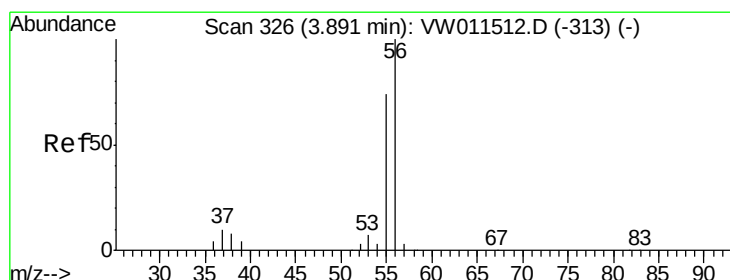
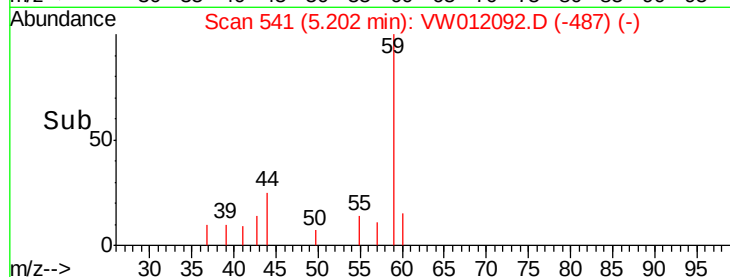
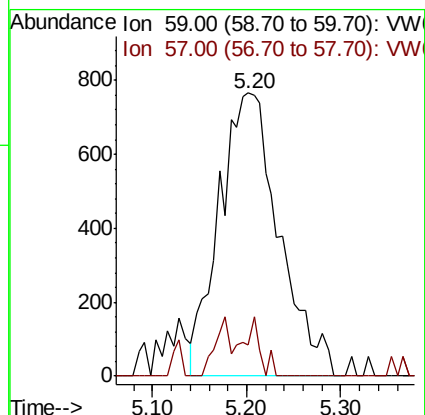
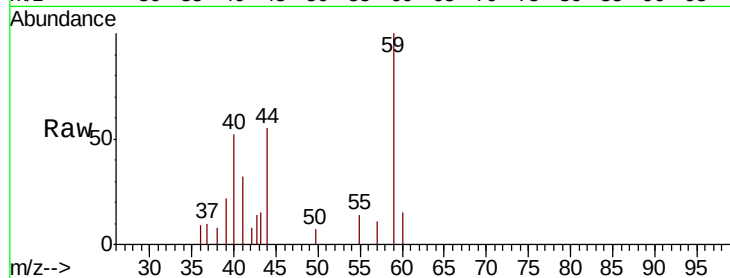


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.20 min Scan# 541
 Delta R.T. 0.03 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

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

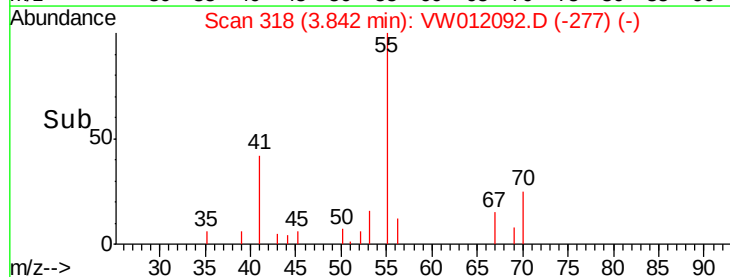
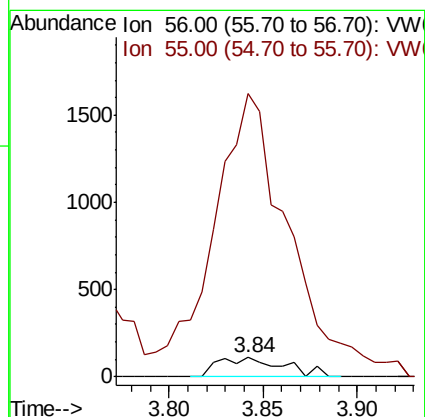
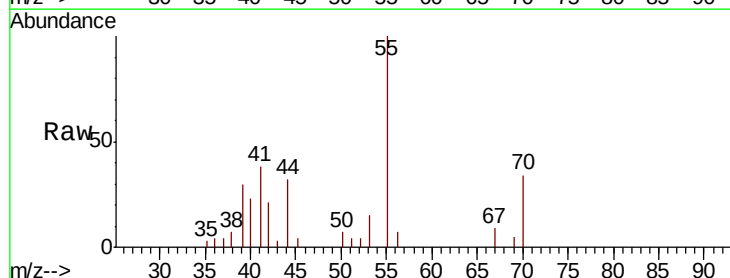
Tgt Ion: 59 Resp: 3396
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.5 12.7#

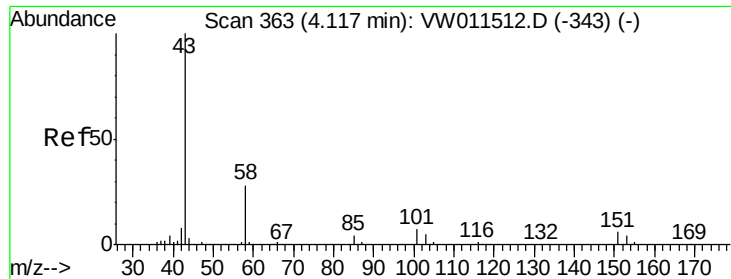


#13

Acrolein
 Concen: 1.201 ug/l
 RT: 3.84 min Scan# 318
 Delta R.T. -0.05 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

Tgt Ion: 56 Resp: 262
 Ion Ratio Lower Upper
 56 100
 55 1730.2 56.0 84.0#





#16

Acetone

Concen: 33.084 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012092.D

Acq: 22 Aug 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

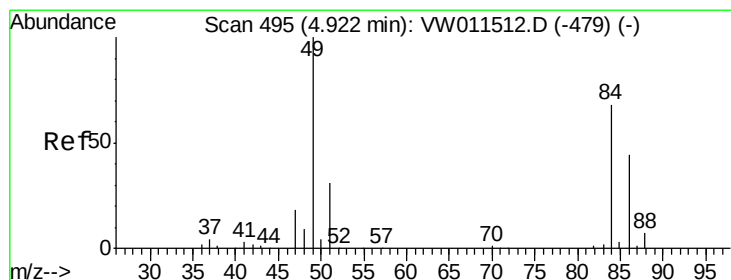
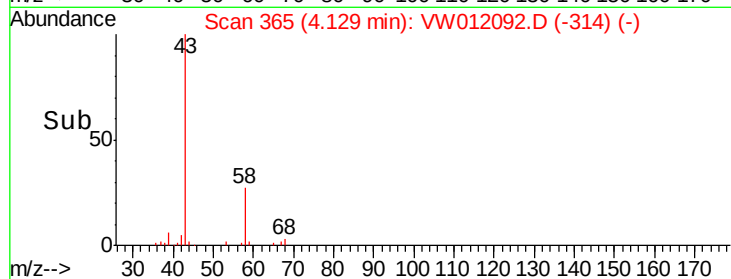
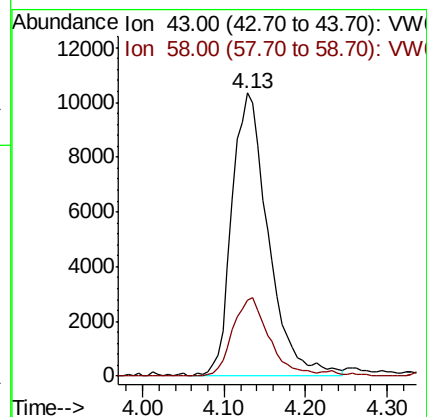
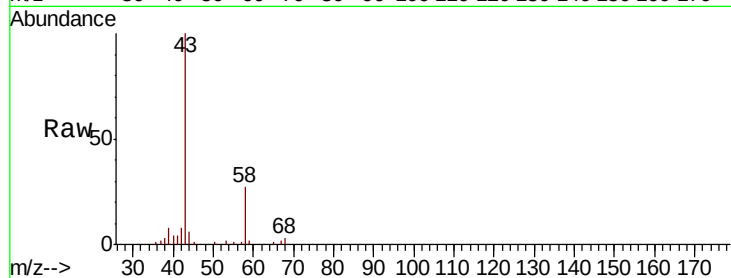
T1-I-(2.5)

Tgt Ion: 43 Resp: 31986

Ion Ratio Lower Upper

43 100

58 27.1 22.3 33.5



#20

Methylene Chloride

Concen: 11.310 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012092.D

Acq: 22 Aug 2019 01:03

Tgt Ion: 84 Resp: 37711

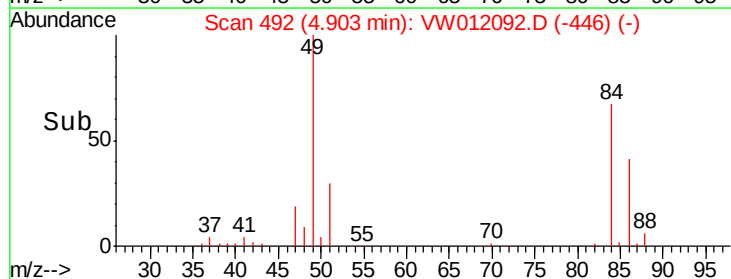
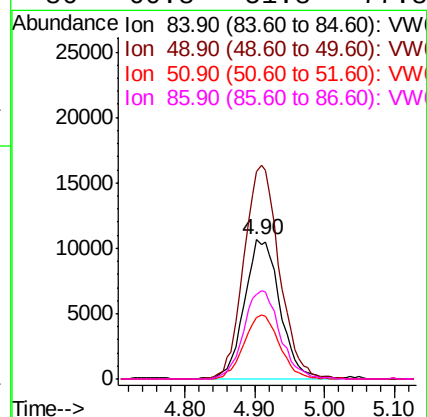
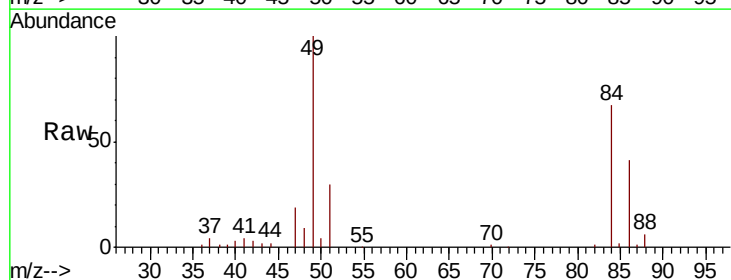
Ion Ratio Lower Upper

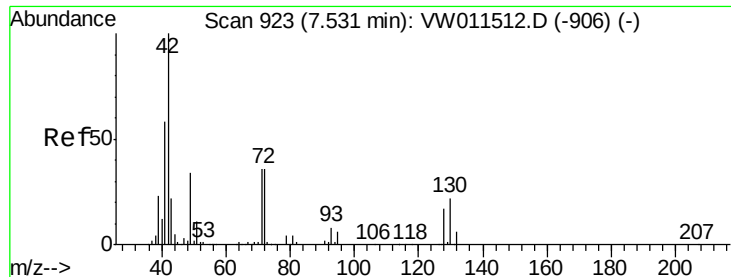
84 100

49 148.6 117.8 176.6

51 44.2 37.0 55.4

86 60.8 51.8 77.8

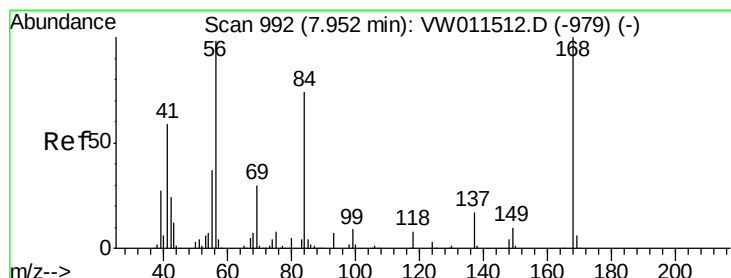
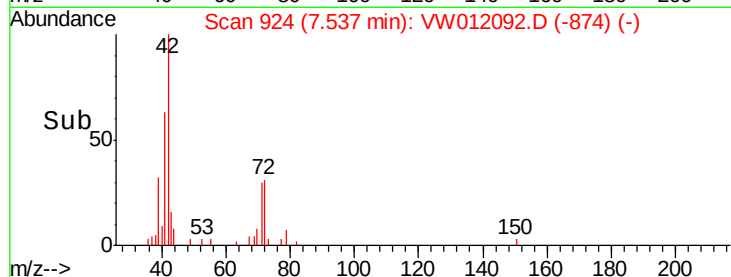
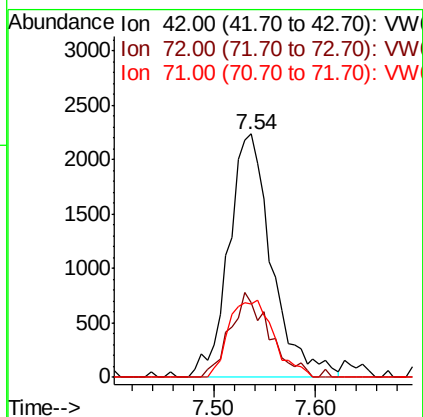
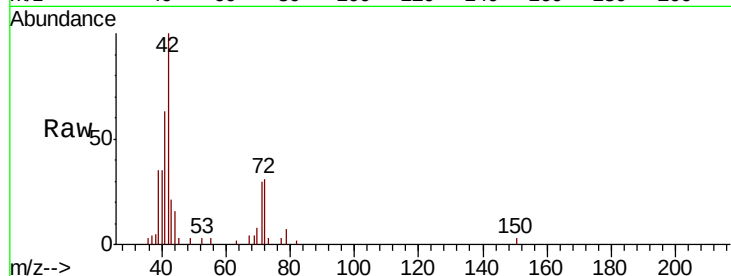




#29
Tetrahydrofuran
Concen: 9.056 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

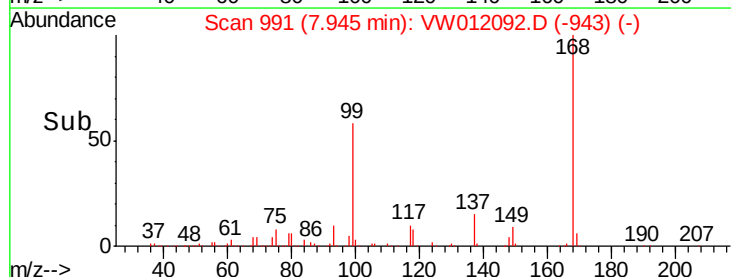
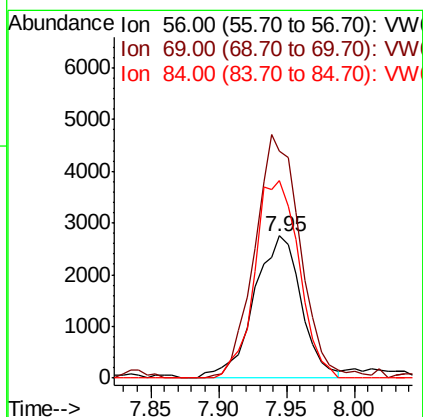
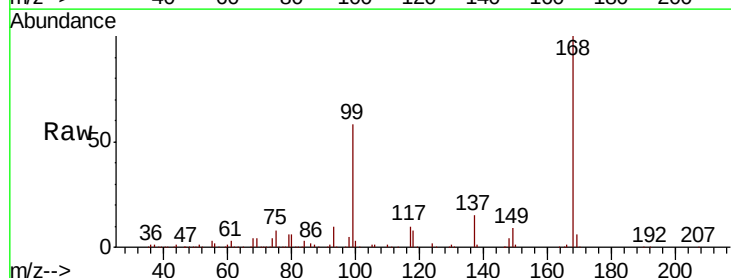
Instrument :
MSVOA_W
ClientSampleId :
T1-I(2.5)

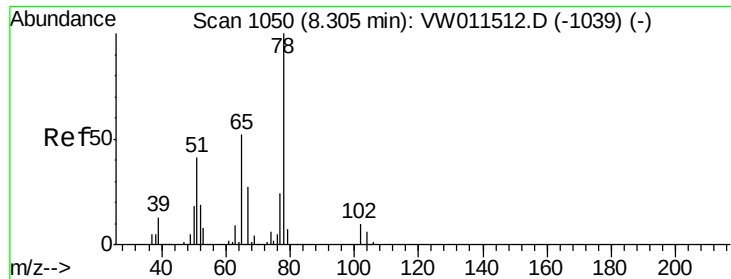
Tgt Ion: 42 Resp: 6549
Ion Ratio Lower Upper
42 100
72 31.7 27.1 40.7
71 33.0 26.2 39.4



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

Tgt Ion: 56 Resp: 6659
Ion Ratio Lower Upper
56 100
69 159.7 24.3 36.5#
84 139.3 60.4 90.6#

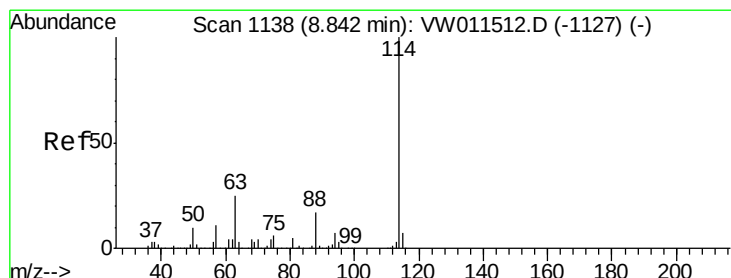
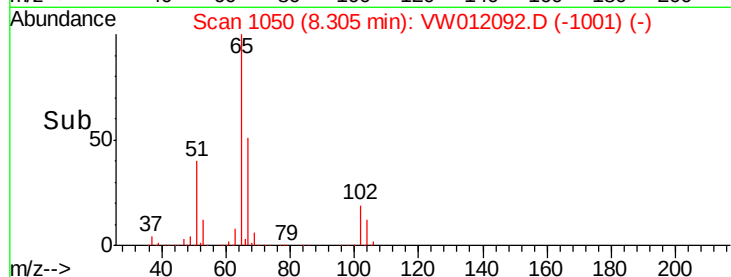
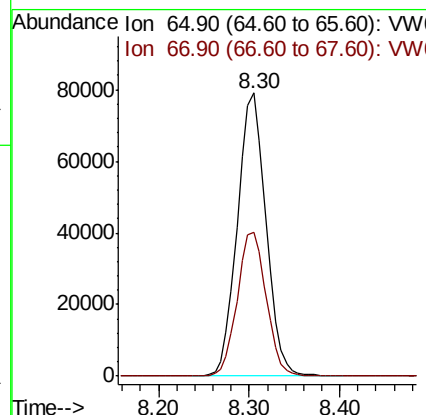
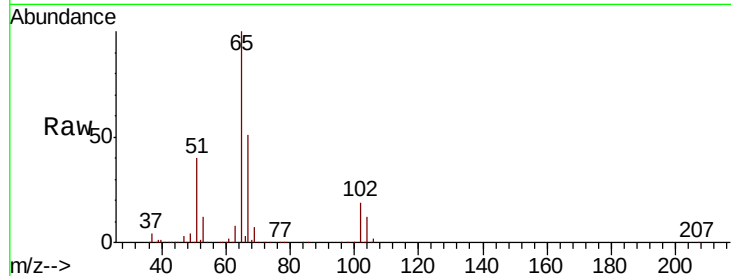




#33
 1,2-Dichloroethane-d4
 Concen: 57.038 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

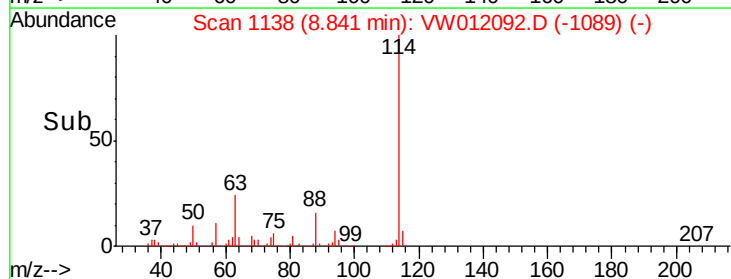
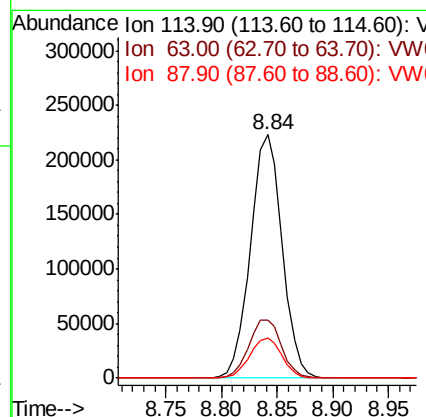
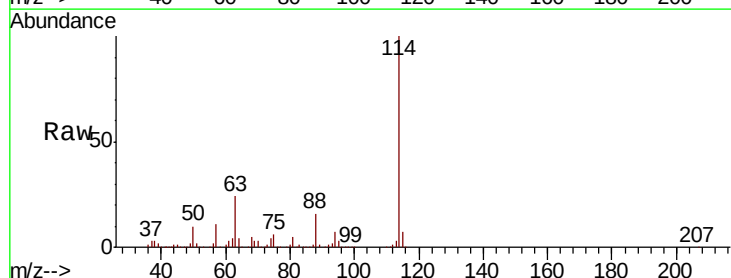
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-I(2.5)

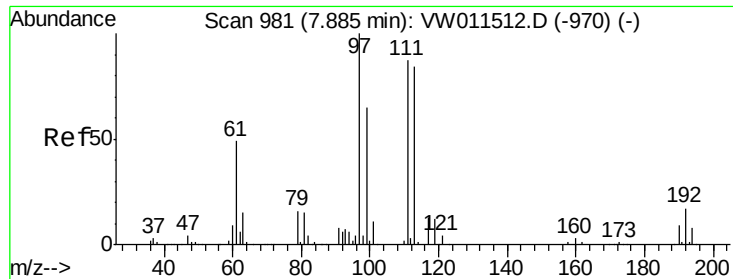
Tgt Ion: 65 Resp: 173356
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

Tgt Ion: 114 Resp: 442096
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.4 0.0 33.8

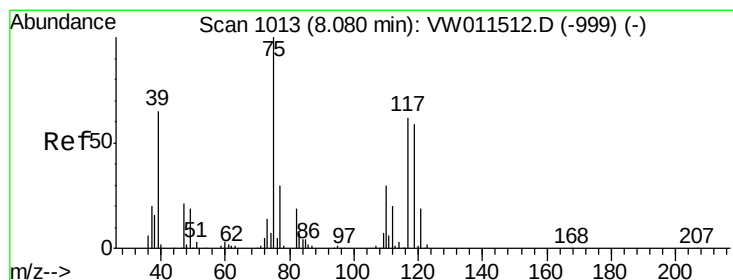
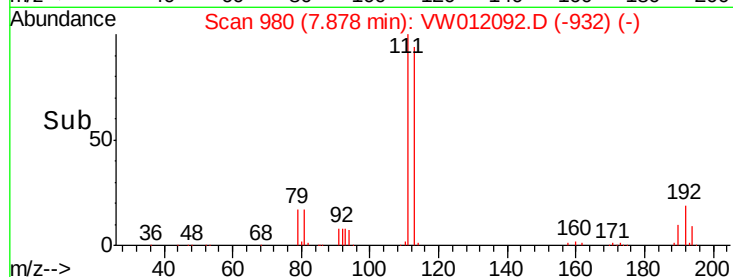
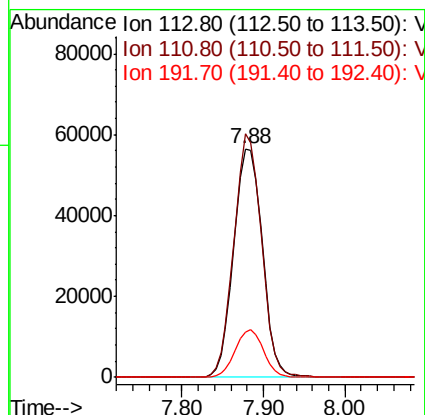
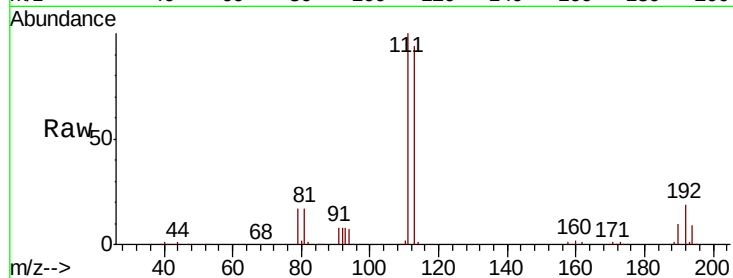




#35
 Dibromofluoromethane
 Concen: 55.362 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

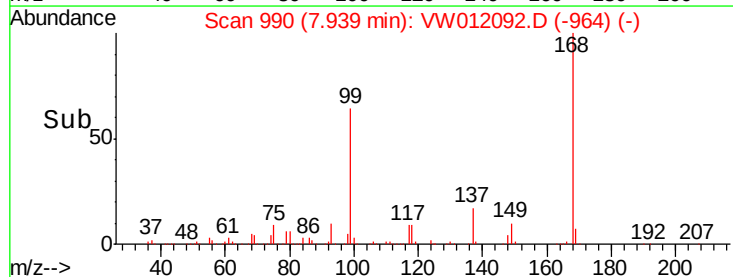
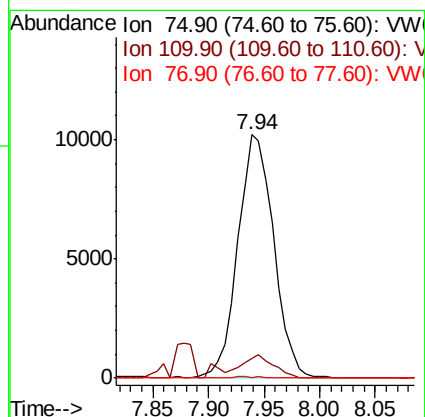
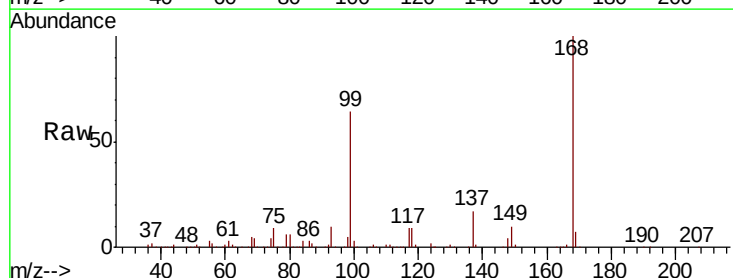
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-I(2.5)

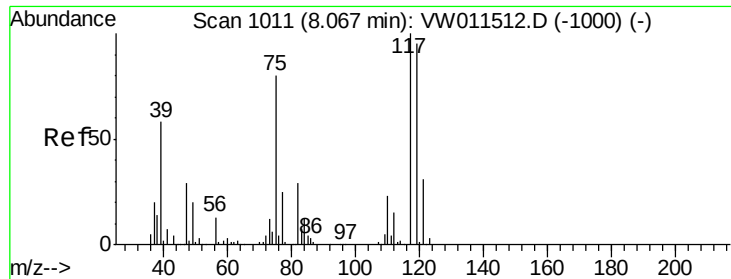
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012092.D
 Acq: 22 Aug 2019 01:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.2	24.3	36.5#

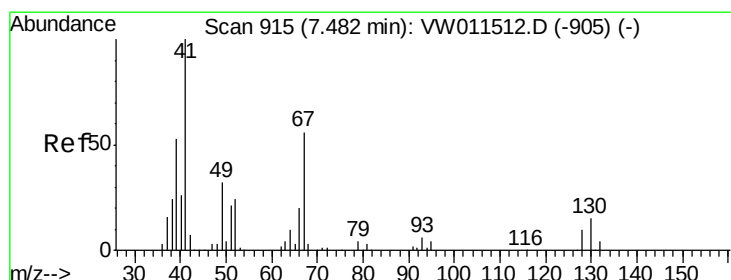
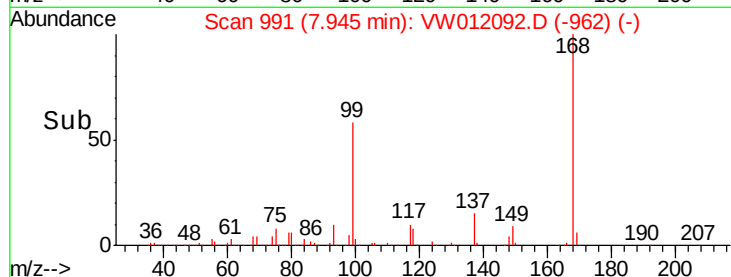
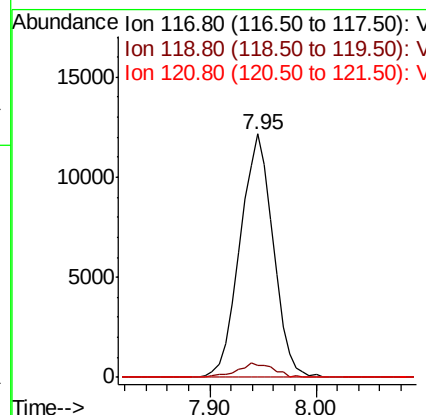
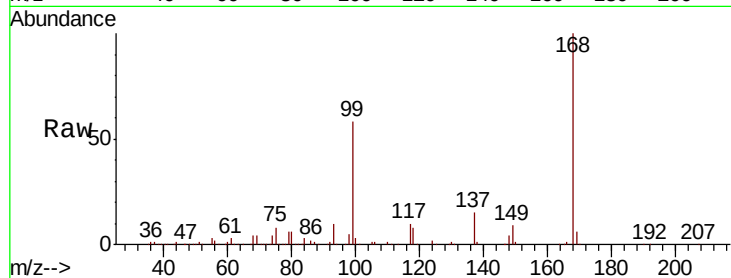




#38
Carbon Tetrachloride
Concen: 6.750 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

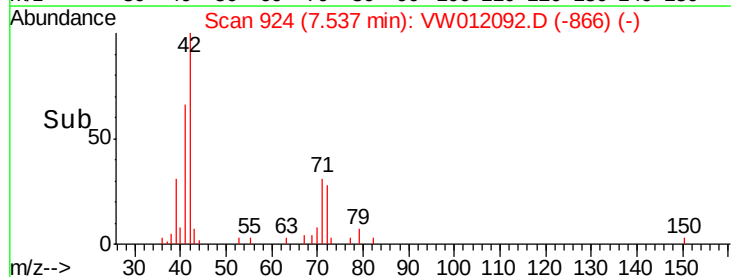
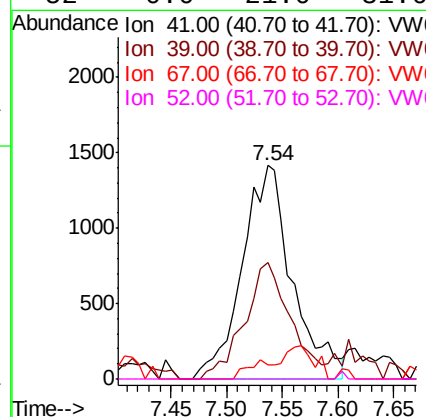
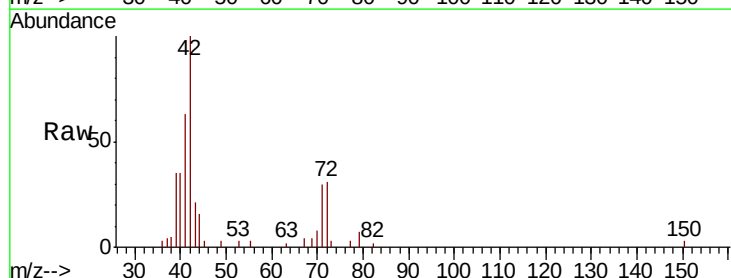
Instrument :
MSVOA_W
ClientSampleId :
T1-I-(2.5)

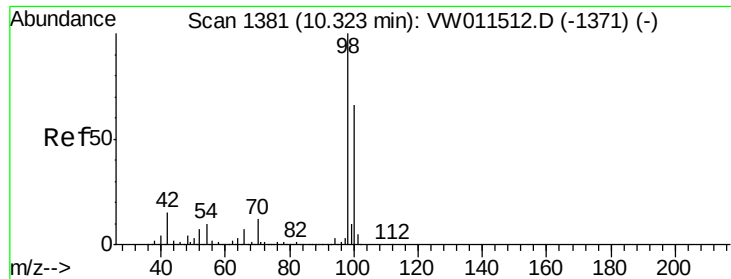
Tgt Ion:117 Resp: 26565
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 2.815 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

Tgt Ion: 41 Resp: 4451
Ion Ratio Lower Upper
41 100
39 49.8 43.0 64.4
67 3.6 47.5 71.3#
52 0.0 21.0 31.6#

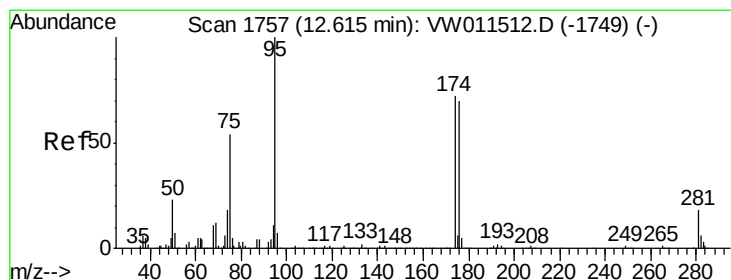
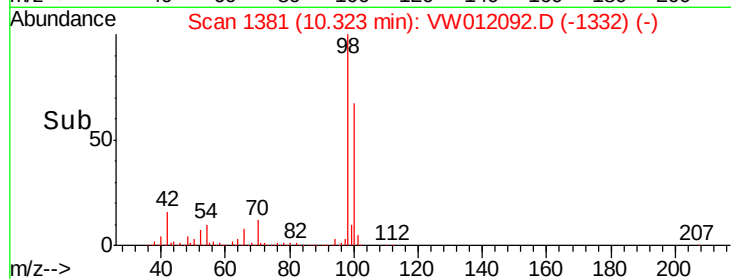
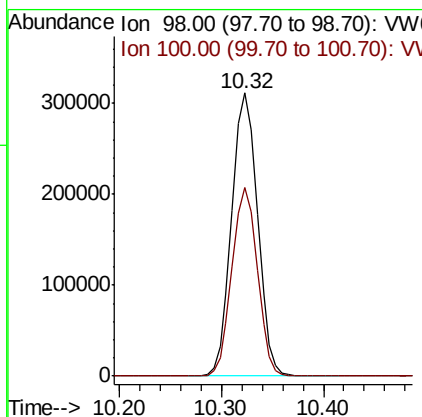
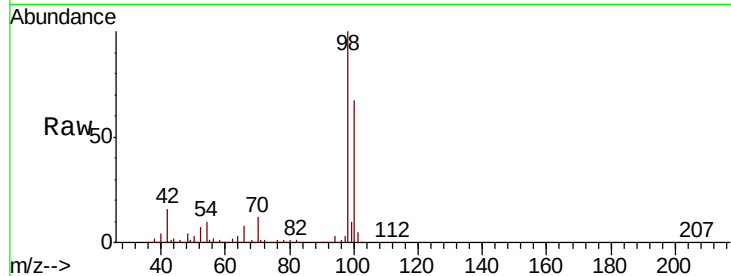




#50
Toluene-d8
Concen: 53.937 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

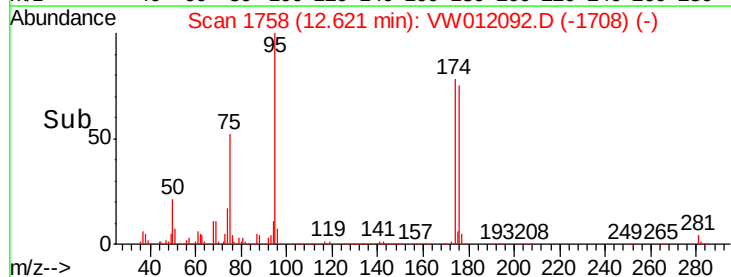
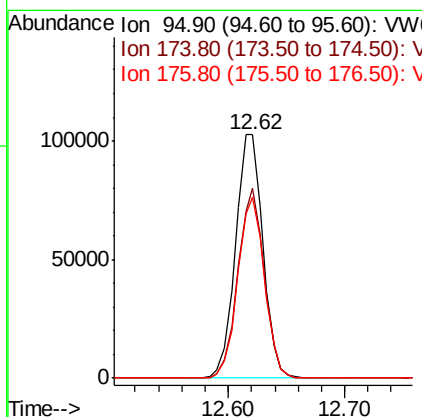
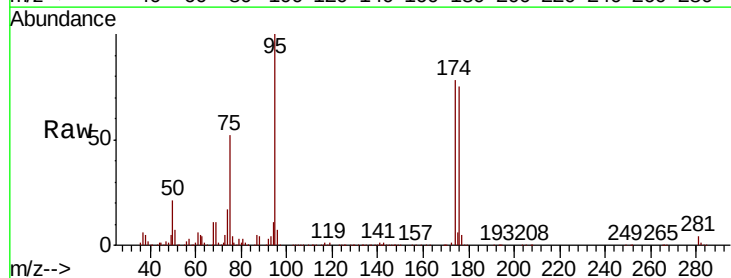
Instrument :
MSVOA_W
ClientSampleId :
T1-I-(2.5)

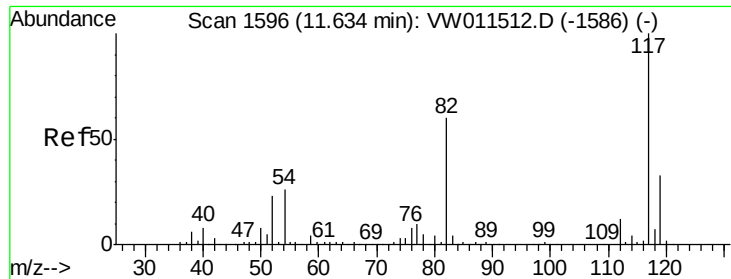
Tgt Ion: 98 Resp: 547724
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.537 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

Tgt Ion: 95 Resp: 168482
Ion Ratio Lower Upper
95 100
174 75.0 0.0 150.2
176 72.6 0.0 144.4

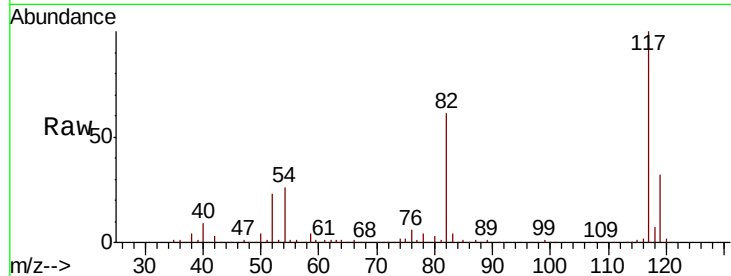




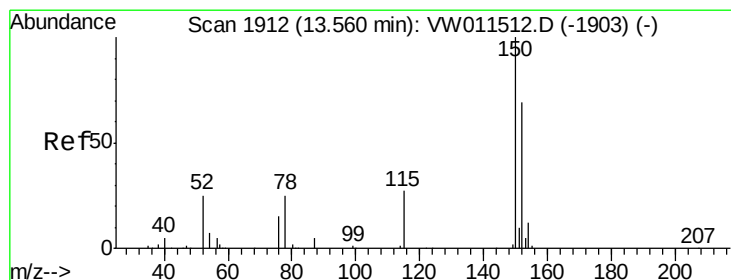
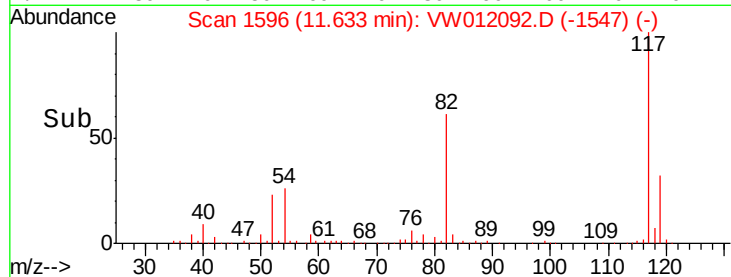
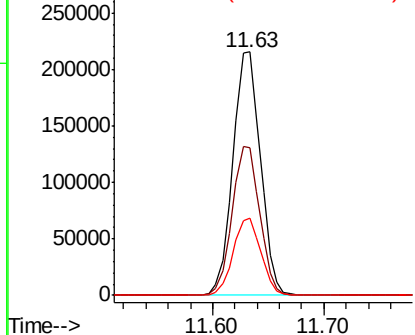
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

Instrument :
MSVOA_W
ClientSampleId :
T1-I(2.5)

Tgt Ion:117 Resp: 370561
Ion Ratio Lower Upper
117 100
82 60.8 47.9 71.9
119 31.8 26.2 39.2

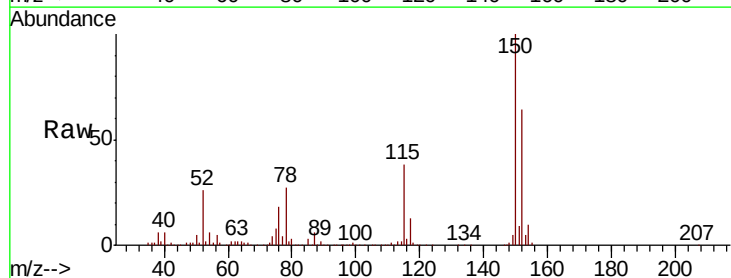


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

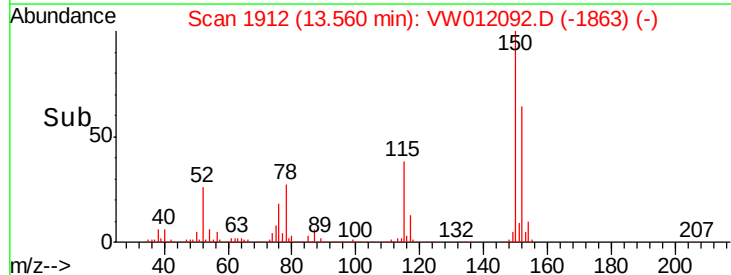
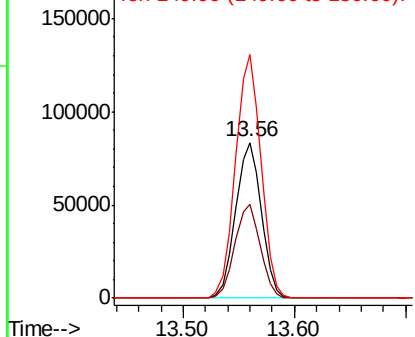


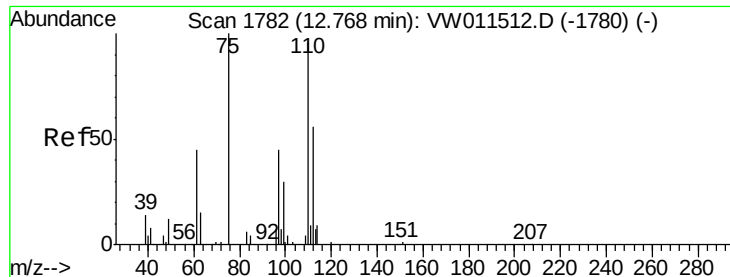
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012092.D
Acq: 22 Aug 2019 01:03

Tgt Ion:152 Resp: 133065
Ion Ratio Lower Upper
152 100
115 59.6 30.5 91.5
150 155.3 0.0 352.6



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: 63.703 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012092.D

Acq: 22 Aug 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

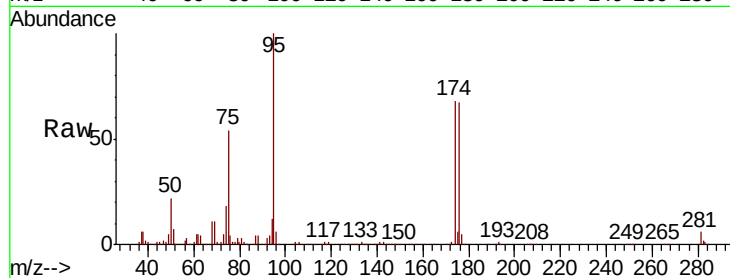
T1-I(2.5)

Tgt Ion: 75 Resp: 89693

Ion Ratio Lower Upper

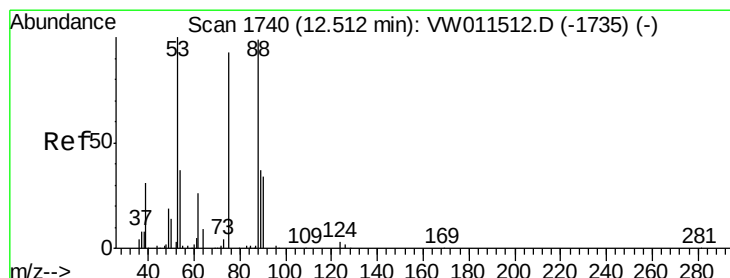
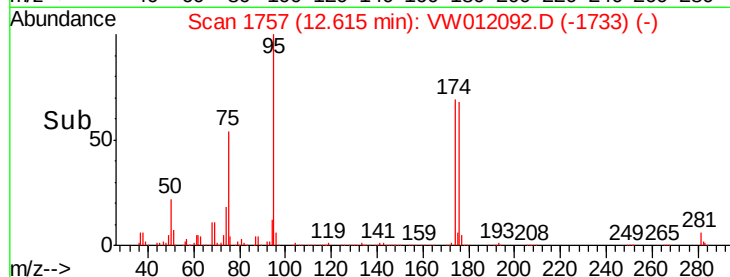
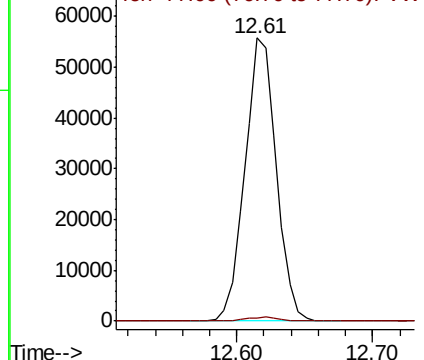
75 100

77 1.5 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: 146.814 ug/l

RT: 12.61 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012092.D

Acq: 22 Aug 2019 01:03

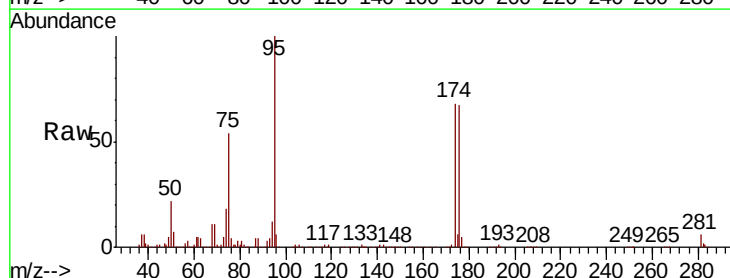
Tgt Ion: 75 Resp: 89693

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

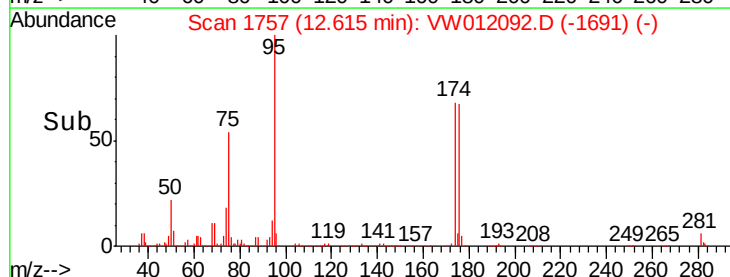
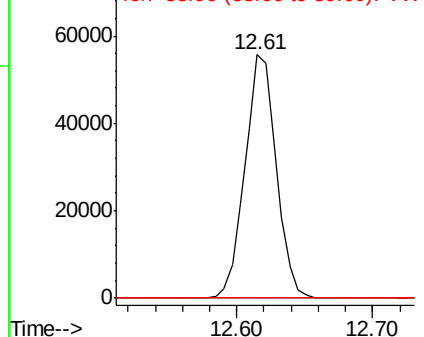
89 0.2 35.3 52.9#

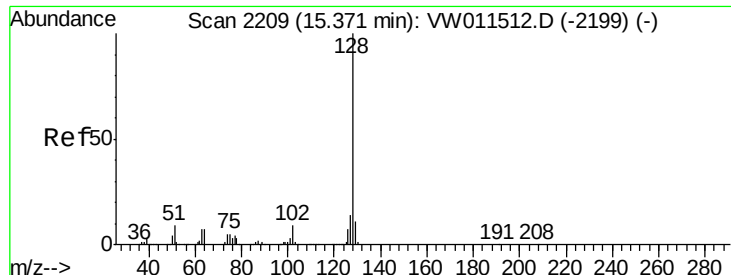


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.119 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012092.D

Acq: 22 Aug 2019 01:03

Instrument :

MSVOA_W

ClientSampleId :

T1-I-(2.5)

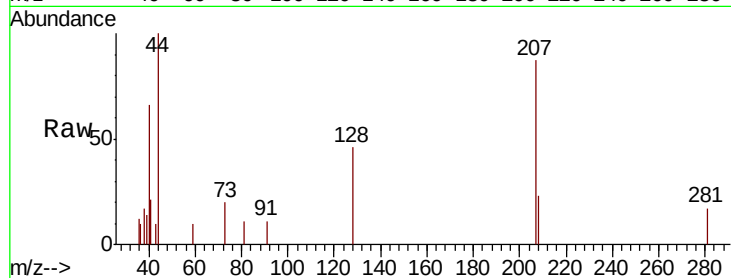
Tgt Ion:128 Resp: 289

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

