

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012050.D
 Acq On : 21 Aug 2019 00:23
 Operator : SY/VA
 Sample : K4387-15
 Misc : 6.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(2)

Quant Time: Aug 21 01:37:59 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

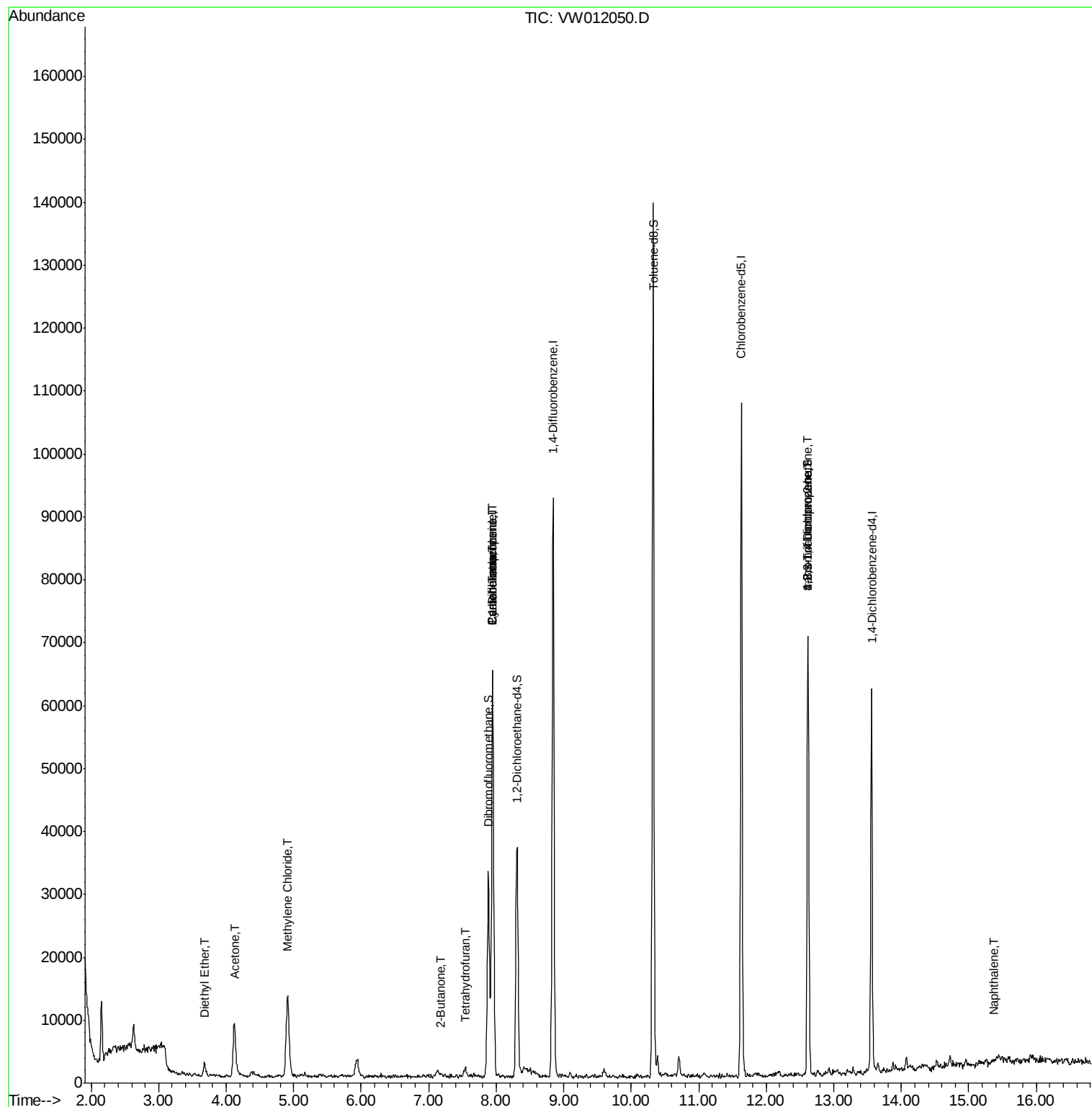
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	46248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	72287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	57916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15761	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	29428	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
35) Dibromofluoromethane	7.88	113	23147	57.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.16%	
50) Toluene-d8	10.32	98	87093	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.62	95	23326	39.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.80%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1034	3.792	ug/l	92
11) Tert butyl alcohol	5.15	59	57	Below Cal	#	72
16) Acetone	4.12	43	16168	95.710	ug/l	97
20) Methylene Chloride	4.91	84	8355	14.341	ug/l	98
25) 2-Butanone	7.18	43	261	1.181	ug/l #	56
29) Tetrahydrofuran	7.54	42	1222	9.671	ug/l	93
31) Cyclohexane	7.95	56	1444	1.454	ug/l #	41
36) 1,1-Dichloropropene	7.95	75	3959	5.267	ug/l #	50
38) Carbon Tetrachloride	7.94	117	4457	6.927	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	11884	71.260	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	11884	164.230	ug/l #	6
95) Naphthalene	15.36	128	20	2.097	ug/l #	69

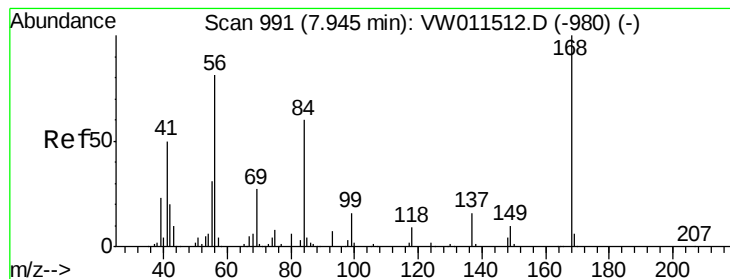
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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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: VW012050.D

Acq: 21 Aug 2019 00:23

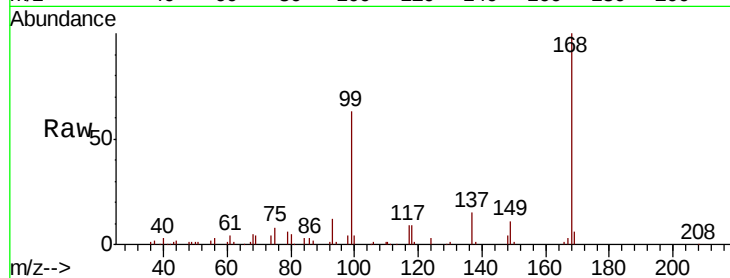
Instrument :
MSVOA_W
ClientSampled :
T4-A2-(2)

Tgt Ion:168 Resp: 46248

Ion Ratio Lower Upper

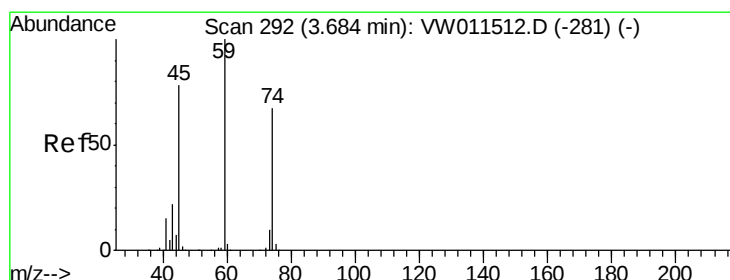
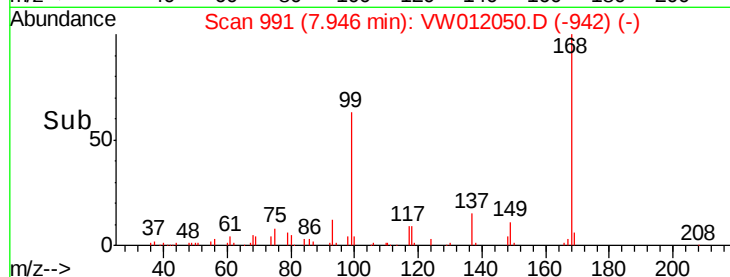
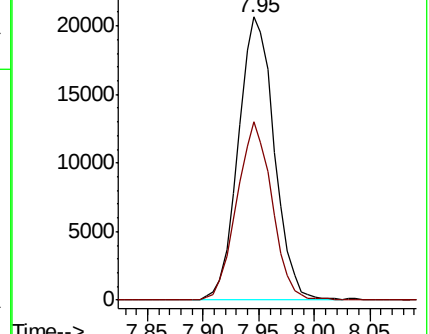
168 100

99 63.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 3.792 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012050.D

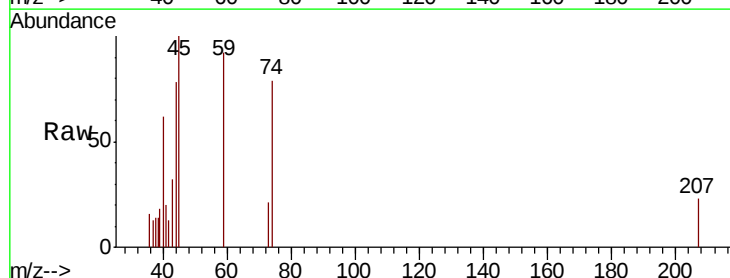
Acq: 21 Aug 2019 00:23

Tgt Ion: 74 Resp: 1034

Ion Ratio Lower Upper

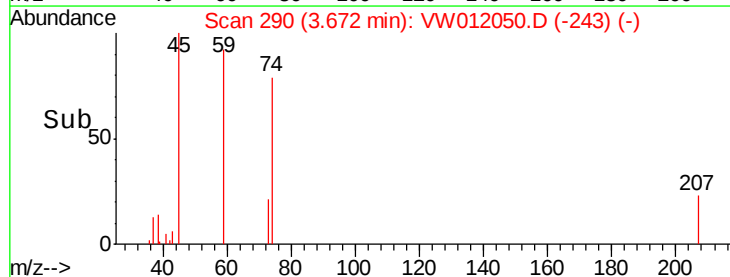
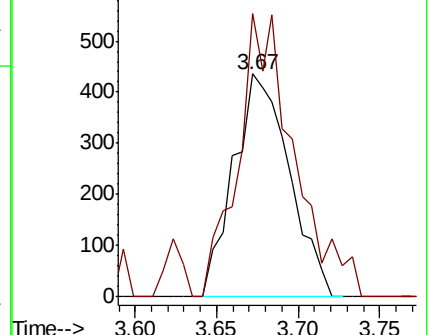
74 100

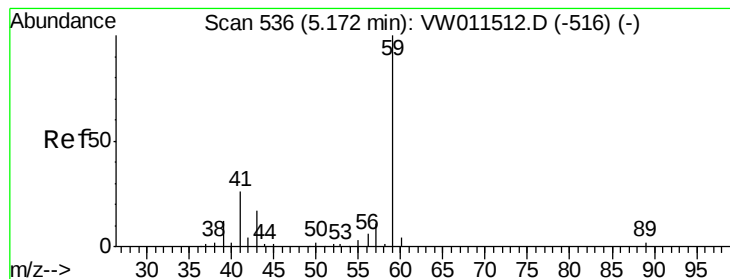
45 128.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



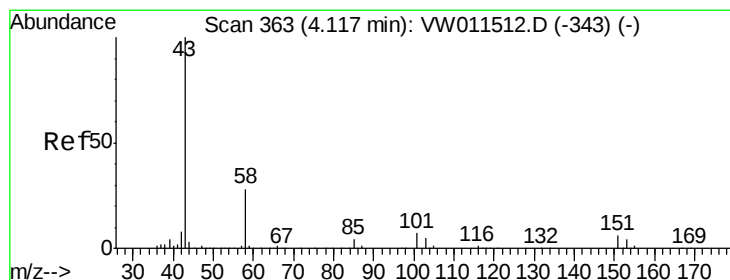
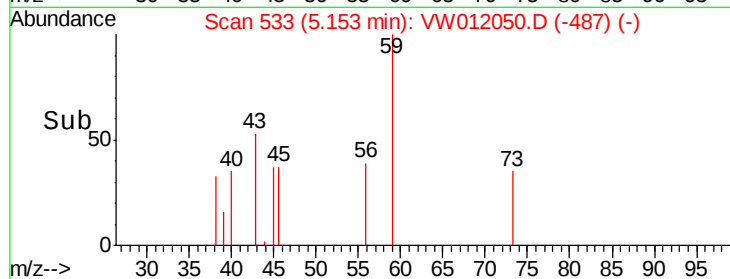
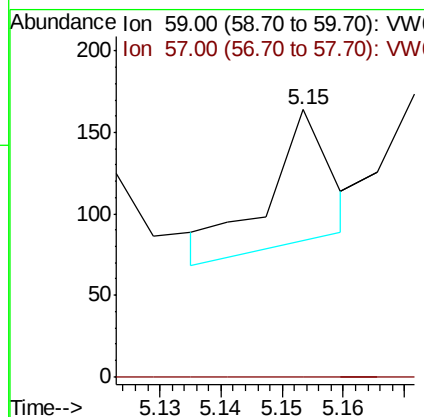
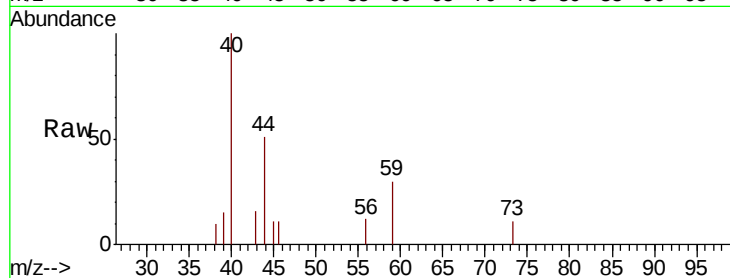


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012050.D
Acq: 21 Aug 2019 00:23

Instrument :
MSVOA_W
ClientSampled :
T4-A2-(2)

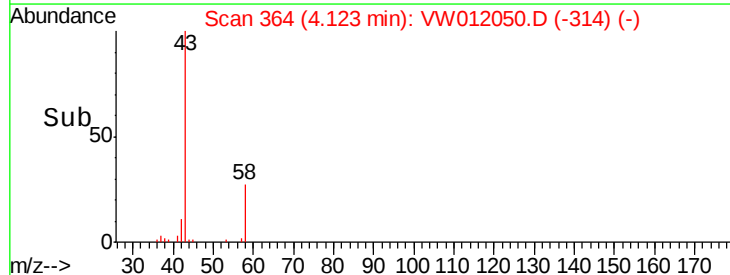
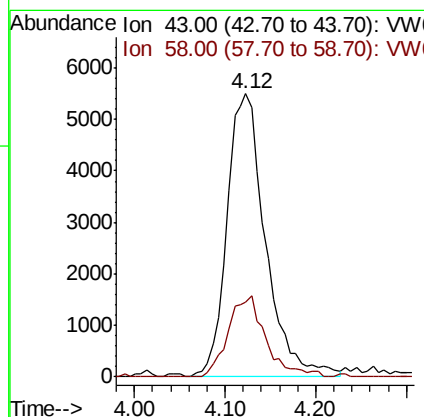
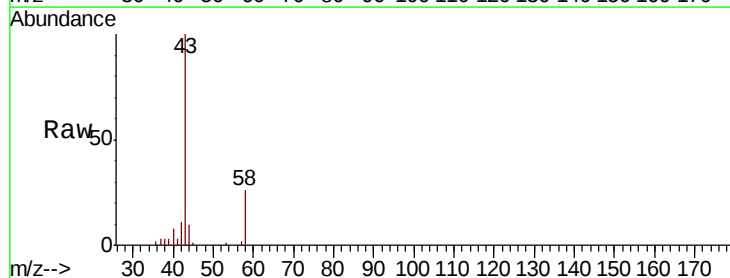
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

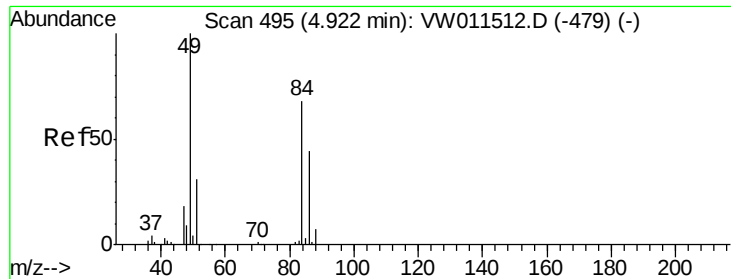


#16

Acetone
Concen: 95.710 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012050.D
Acq: 21 Aug 2019 00:23

Tgt Ion: 43 Resp: 16168
Ion Ratio Lower Upper
43 100
58 26.4 22.3 33.5

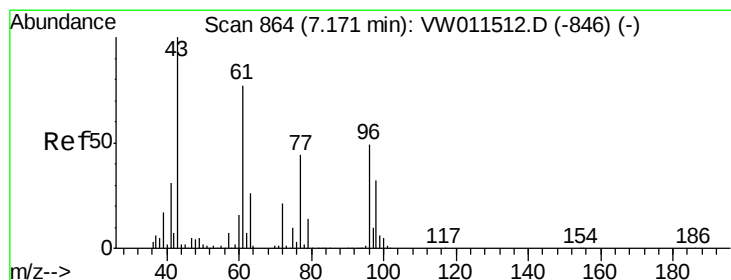
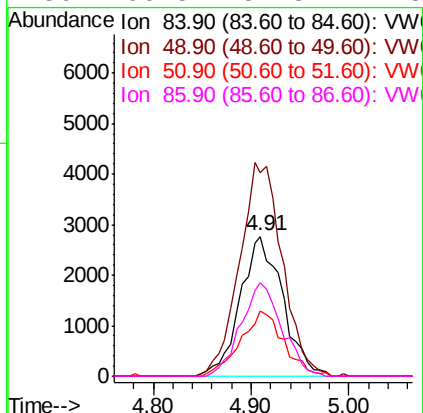
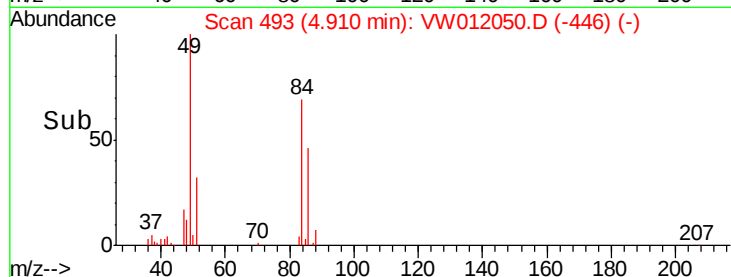
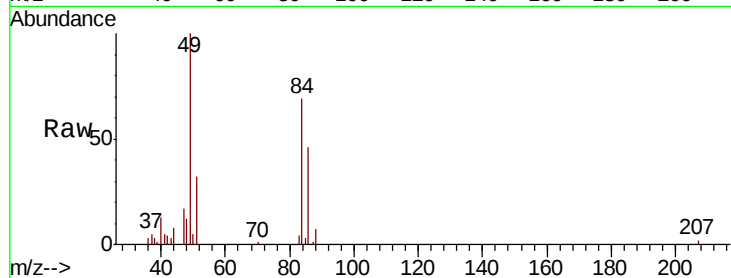




#20
Methylene Chloride
Concen: 14.341 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012050.D
Acq: 21 Aug 2019 00:23

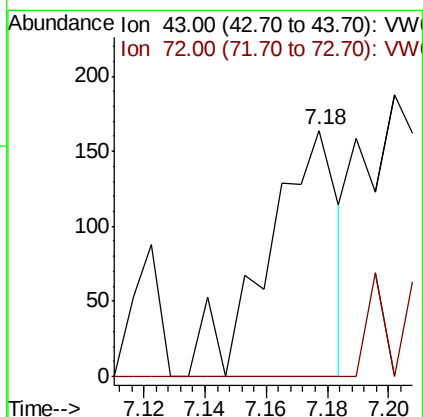
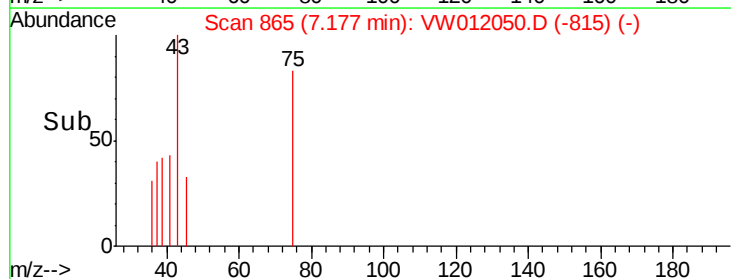
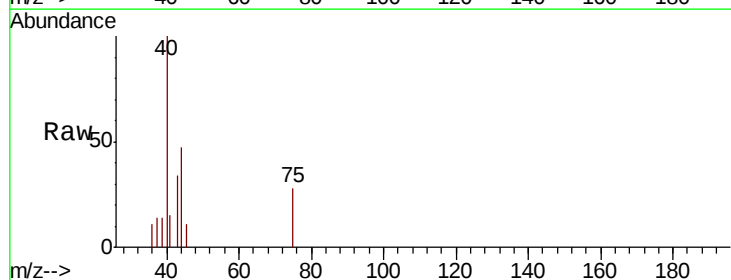
Instrument :
MSVOA_W
ClientSampleId :
T4-A2-(2)

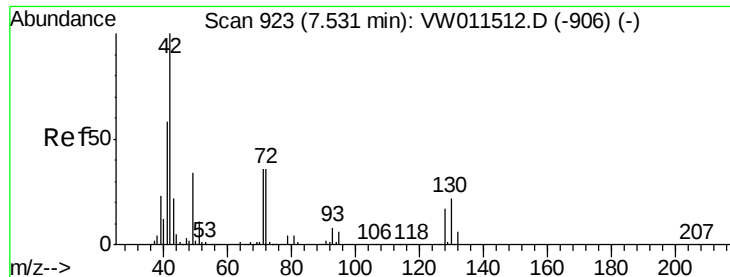
Tgt Ion: 84 Resp: 8355
Ion Ratio Lower Upper
84 100
49 145.0 117.8 176.6
51 47.1 37.0 55.4
86 66.5 51.8 77.8



#25
2-Butanone
Concen: 1.181 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW012050.D
Acq: 21 Aug 2019 00:23

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
72 0.0 16.6 24.8#





#29

Tetrahydrofuran

Concen: 9.671 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

Instrument :

MSVOA_W

ClientSampled :

T4-A2-(2)

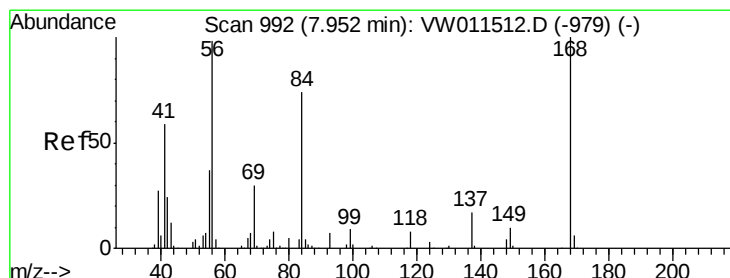
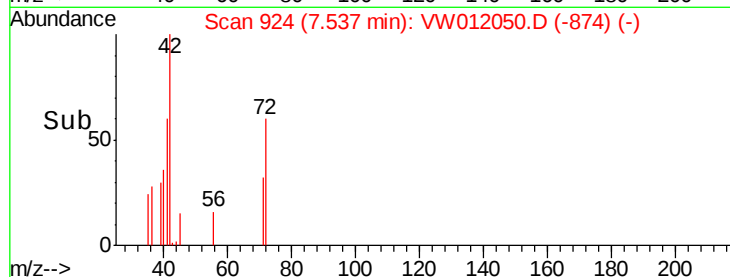
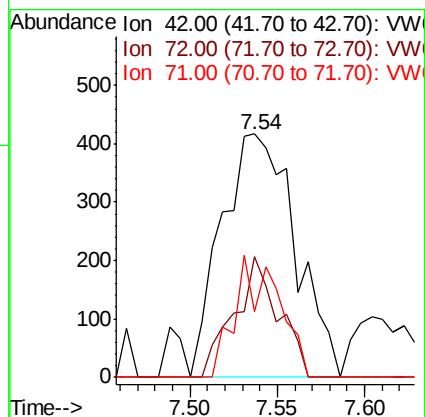
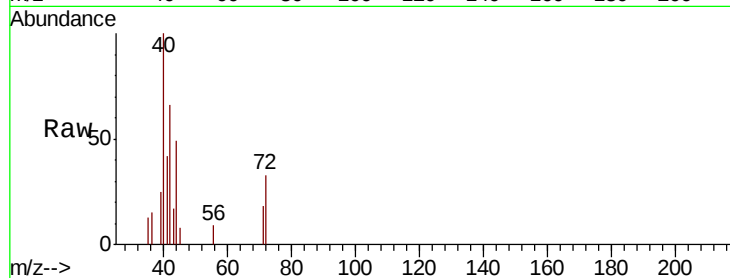
Tgt Ion: 42 Resp: 1222

Ion Ratio Lower Upper

42 100

72 29.6 27.1 40.7

71 29.6 26.2 39.4



#31

Cyclohexane

Concen: 1.454 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

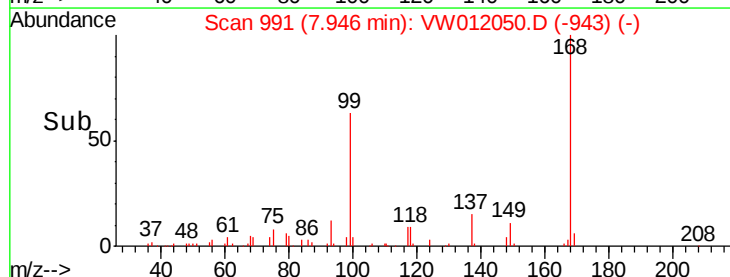
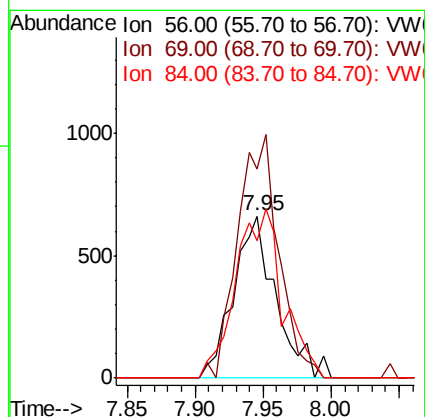
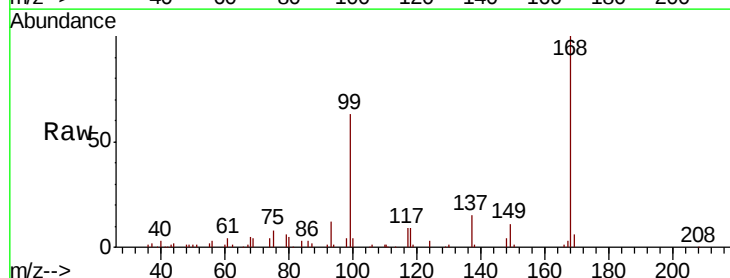
Tgt Ion: 56 Resp: 1444

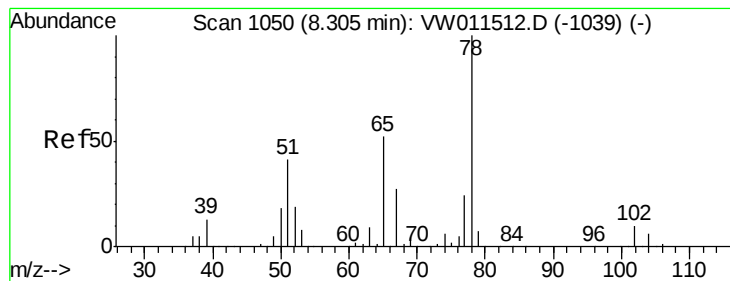
Ion Ratio Lower Upper

56 100

69 129.0 24.3 36.5#

84 84.3 60.4 90.6





#33

1,2-Dichloroethane-d4

Concen: 55.414 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

Instrument :

MSVOA_W

ClientSampled :

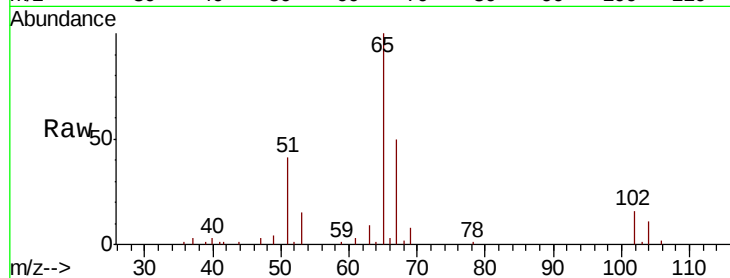
T4-A2-(2)

Tgt Ion: 65 Resp: 29428

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

15000

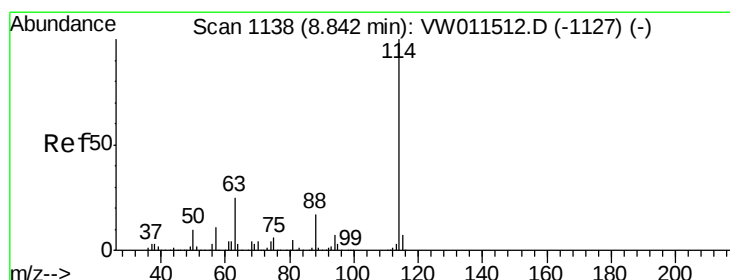
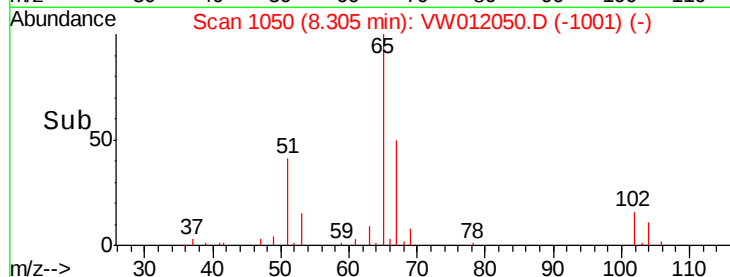
10000

5000

0

Time-->

8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

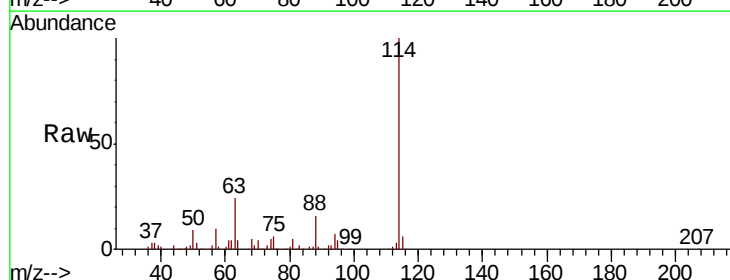
Tgt Ion: 114 Resp: 72287

Ion Ratio Lower Upper

114 100

63 23.8 0.0 49.2

88 16.3 0.0 33.8



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

8.84

50000

40000

30000

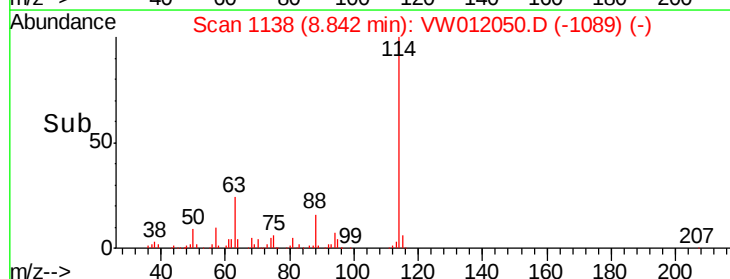
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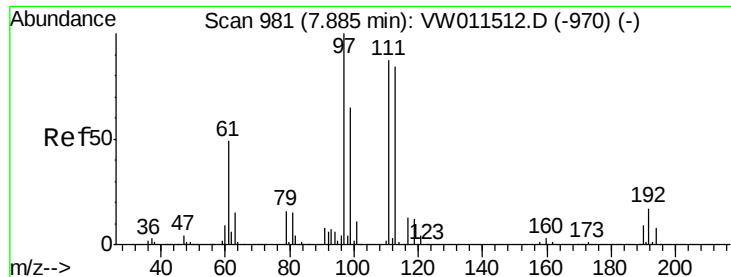
10000

0

Time-->

8.80 8.90

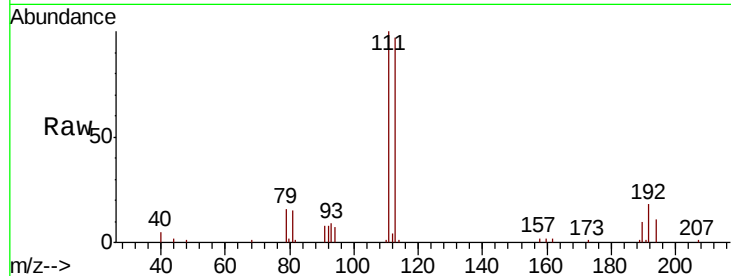




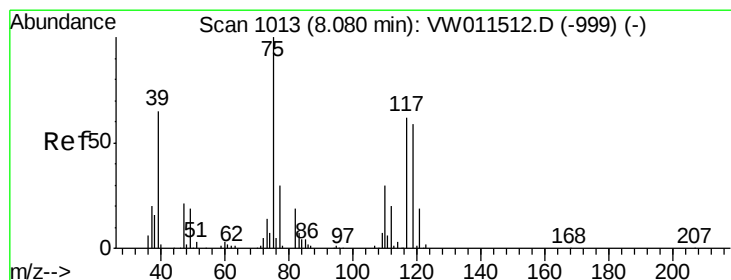
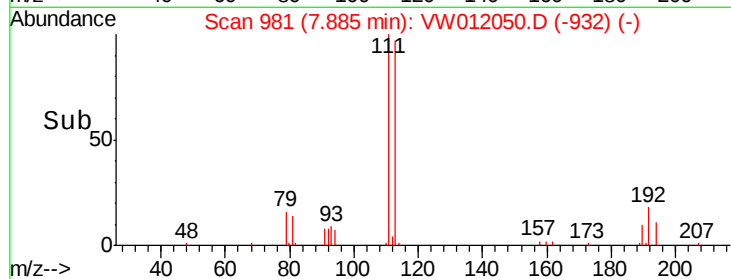
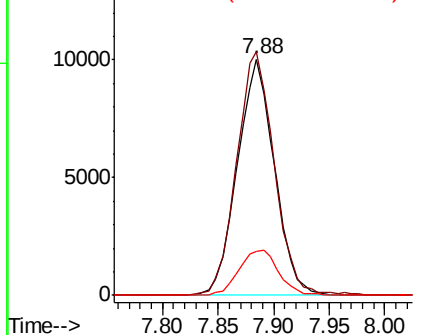
#35
 Dibromofluoromethane
 Concen: 57.077 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012050.D
 Acq: 21 Aug 2019 00:23

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(2)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.7	124.1
192	20.4	16.1	24.1

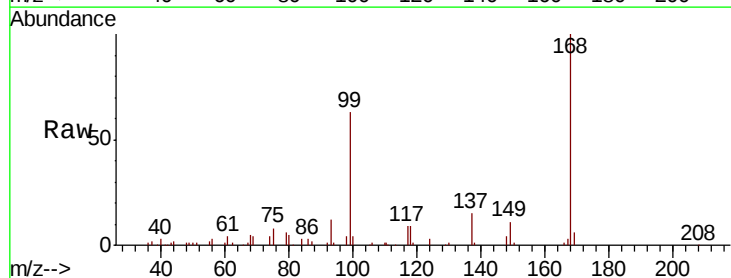


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

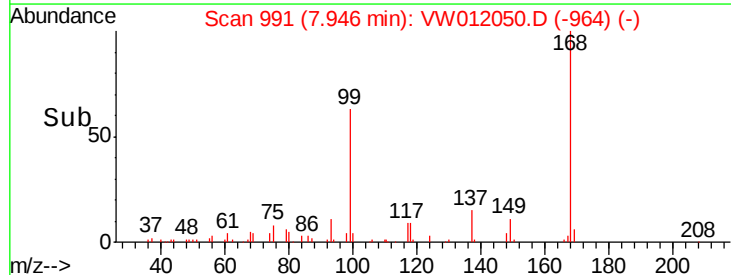
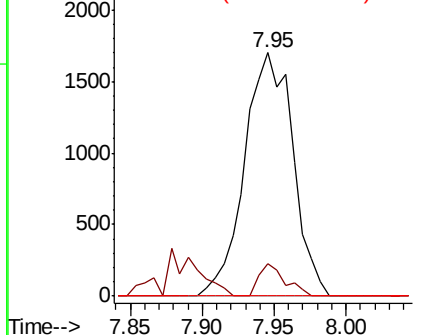


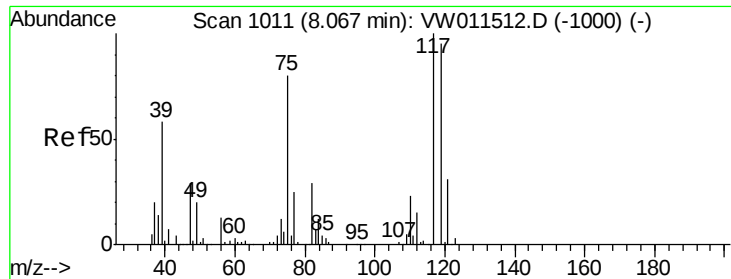
#36
 1,1-Dichloropropene
 Concen: 5.267 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012050.D
 Acq: 21 Aug 2019 00:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	15.6	46.8#
77	0.0	24.3	36.5#



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: 6.927 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(2)

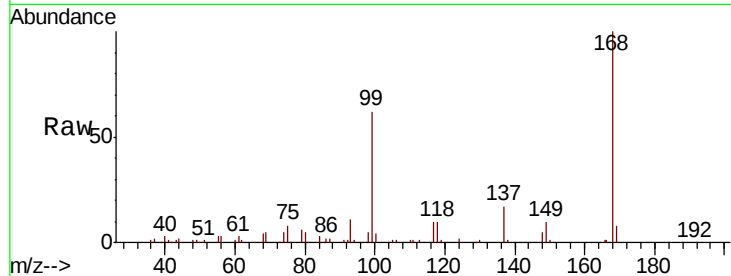
Tgt Ion:117 Resp: 4457

Ion Ratio Lower Upper

117 100

119 11.8 75.8 113.6#

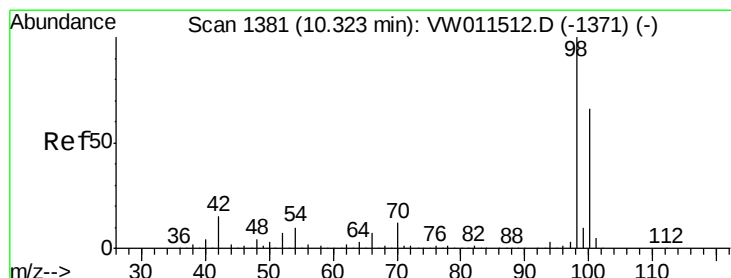
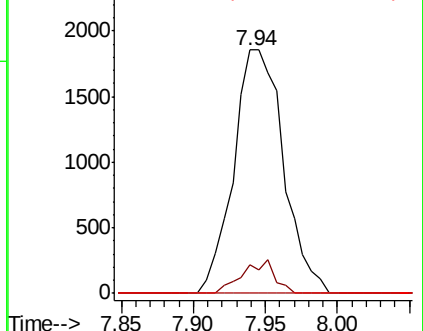
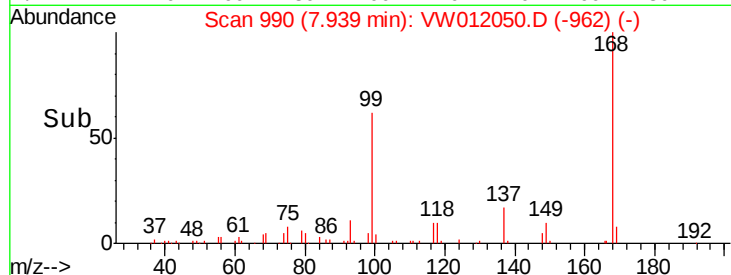
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 52.453 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012050.D

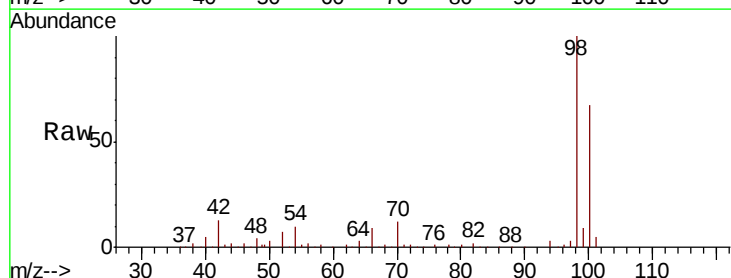
Acq: 21 Aug 2019 00:23

Tgt Ion: 98 Resp: 87093

Ion Ratio Lower Upper

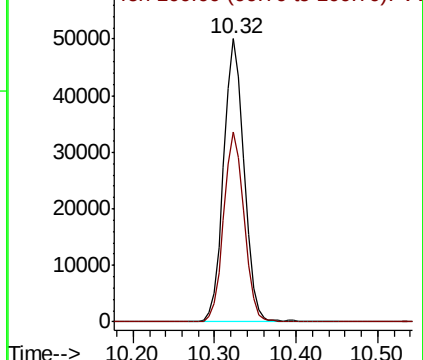
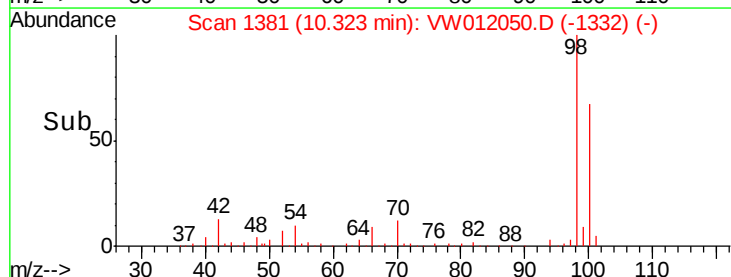
98 100

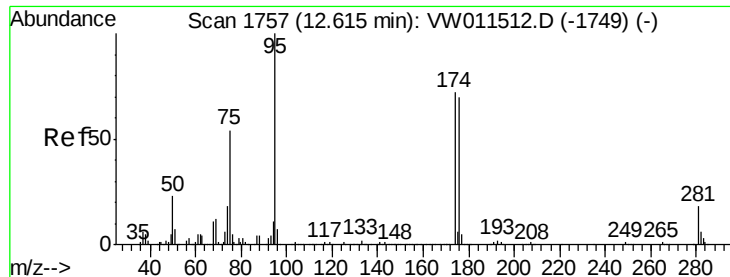
100 66.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 39.404 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012050.D

Acq: 21 Aug 2019 00:23

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(2)

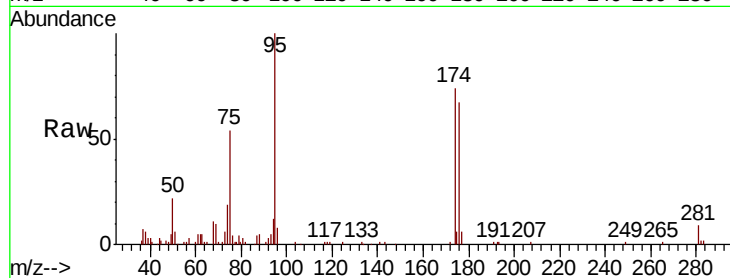
Tgt Ion: 95 Resp: 23326

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

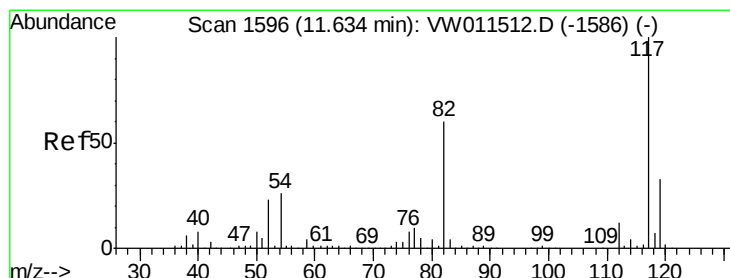
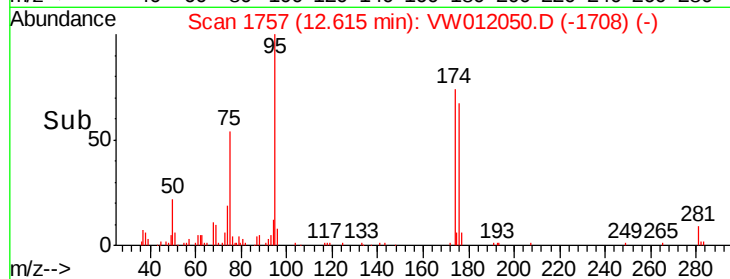
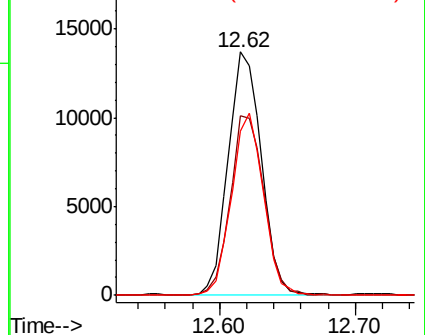
176 71.9 0.0 144.4



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: VW012050.D

Acq: 21 Aug 2019 00:23

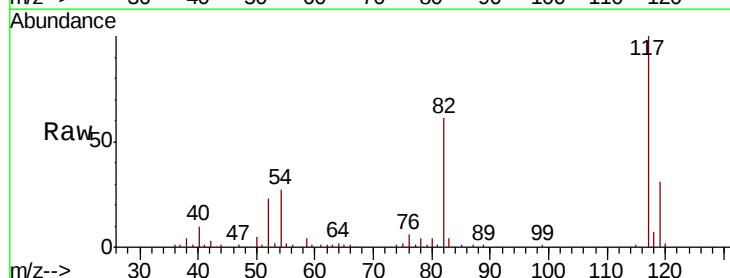
Tgt Ion: 117 Resp: 57916

Ion Ratio Lower Upper

117 100

82 60.6 47.9 71.9

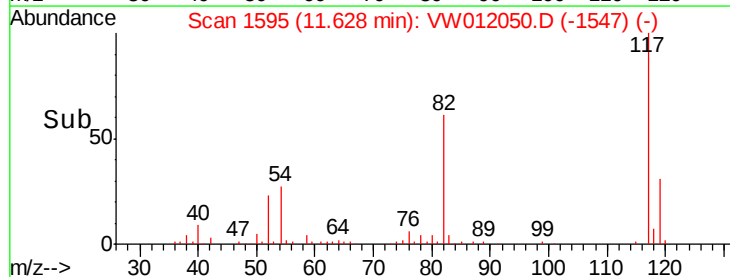
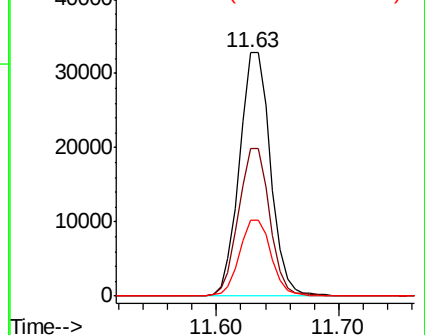
119 31.0 26.2 39.2

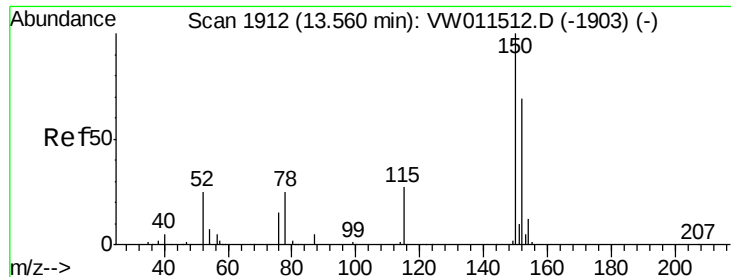


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012050.D

Acq: 21 Aug 2019 00:23

Instrument :

MSVOA_W

ClientSampleId :

T4-A2-(2)

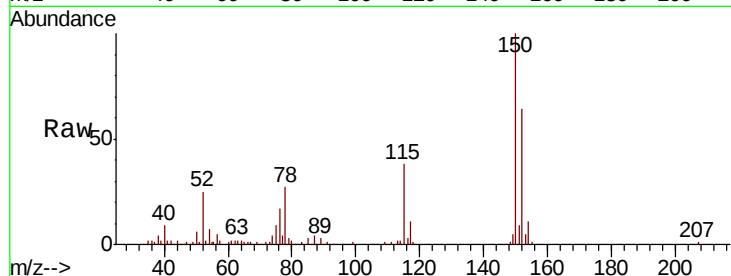
Tgt Ion:152 Resp: 15761

Ion Ratio Lower Upper

152 100

115 57.7 30.5 91.5

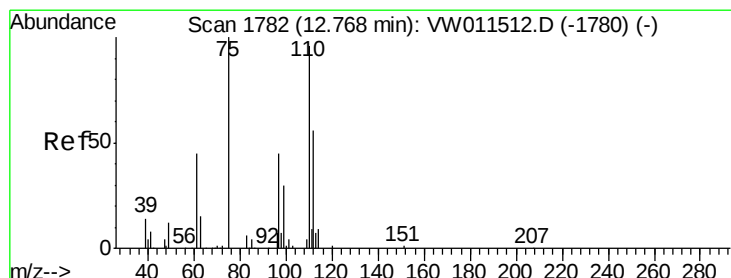
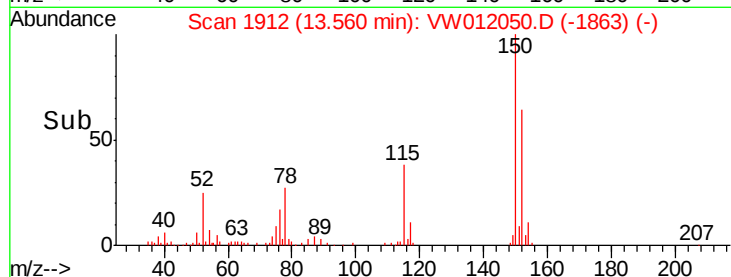
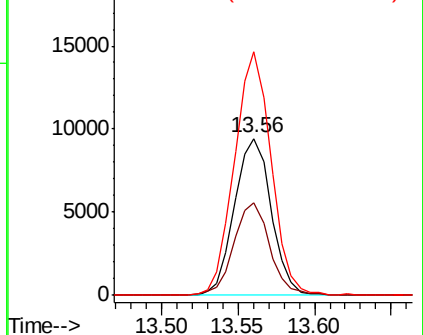
150 154.9 0.0 352.6



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: 71.260 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012050.D

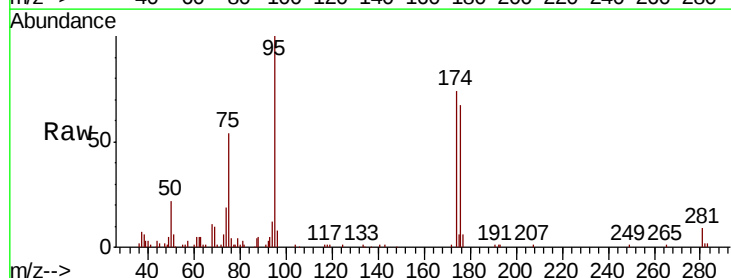
Acq: 21 Aug 2019 00:23

Tgt Ion: 75 Resp: 11884

Ion Ratio Lower Upper

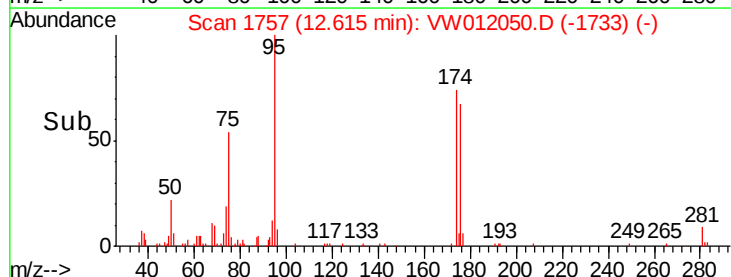
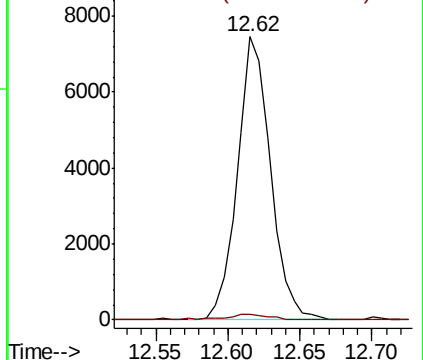
75 100

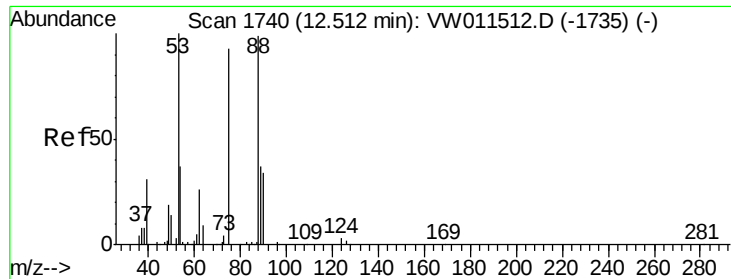
77 2.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

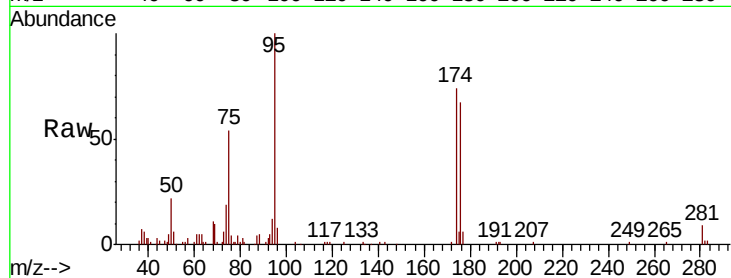




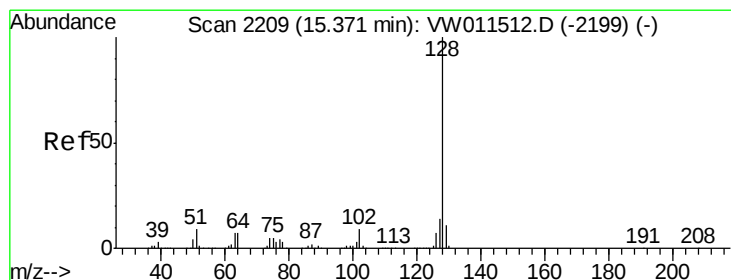
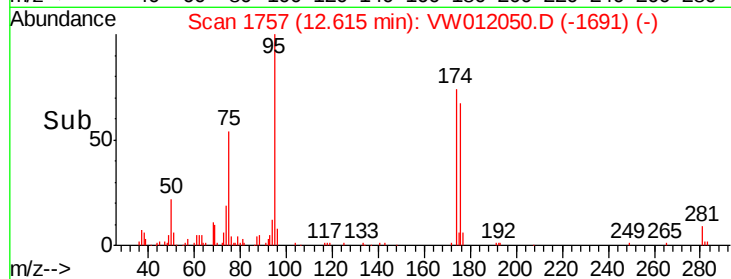
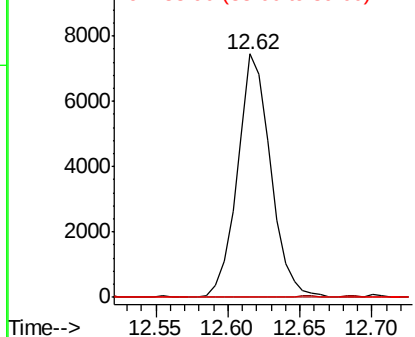
#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.230 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012050.D
 Acq: 21 Aug 2019 00:23

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-A2-(2)

Tgt Ion: 75 Resp: 11884
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.0 132.0#
 89 0.0 35.3 52.9#

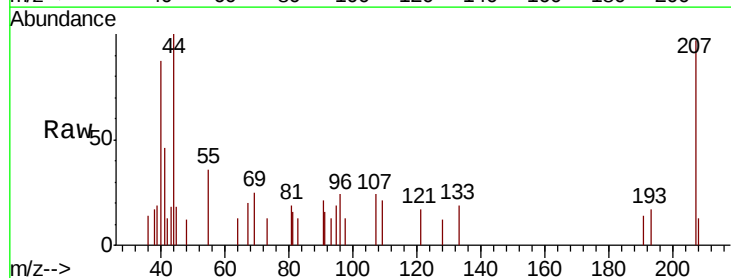


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW



#95
 Naphthalene
 Concen: 2.097 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW012050.D
 Acq: 21 Aug 2019 00:23

Tgt Ion: 128 Resp: 20
 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

