

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010887.D
 Acq On : 20 Jun 2019 12:53
 Operator : SY/VA
 Sample : K3429-04
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	287957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	106605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121600	57.27	ug/l	0.00
Spiked Amount						
			Recovery	=	114.54%	
35) Dibromofluoromethane	7.88	113	83949	53.71	ug/l	0.00
Spiked Amount						
			Recovery	=	107.42%	
50) Toluene-d8	10.32	98	346671	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	121761	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	

Target Compounds

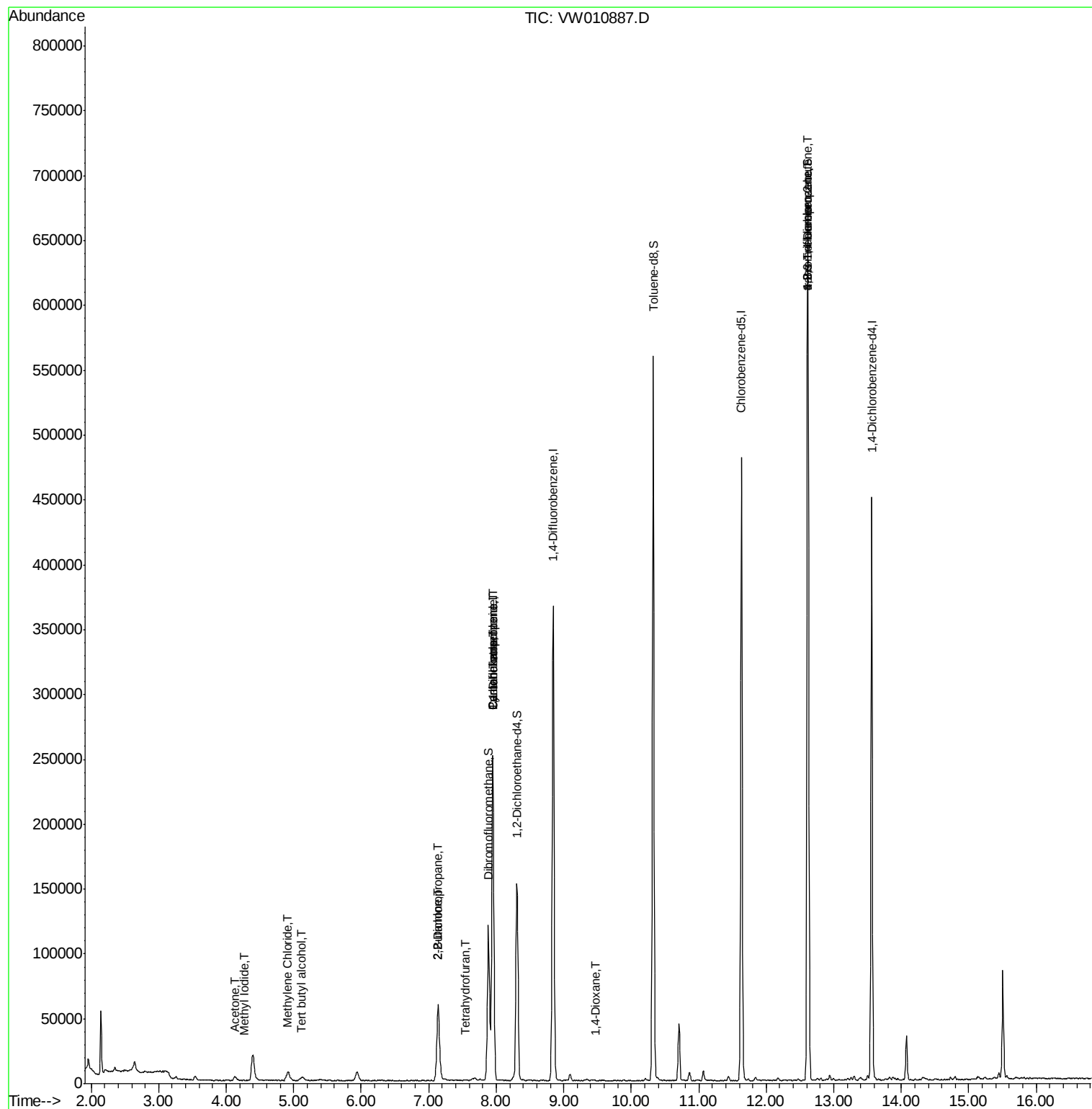
						Qvalue
10) Methyl Iodide	4.26	142	228	4.909	ug/l #	41
11) Tert butyl alcohol	5.11	59	3182	18.396	ug/l #	75
16) Acetone	4.14	43	5840	10.266	ug/l #	86
20) Methylene Chloride	4.92	84	4485	2.247	ug/l	94
25) 2-Butanone	7.14	43	3810	4.830	ug/l #	85
26) 2,2-Dichloropropane	7.15	77	4020	1.282	ug/l #	55
29) Tetrahydrofuran	7.54	42	619	1.248	ug/l #	40
31) Cyclohexane	7.95	56	5096	1.190	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	16756	5.685	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18919	7.435	ug/l #	17
49) 1,4-Dioxane	9.47	88	419	27.107	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	69011	61.645	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69011	141.680	ug/l #	5

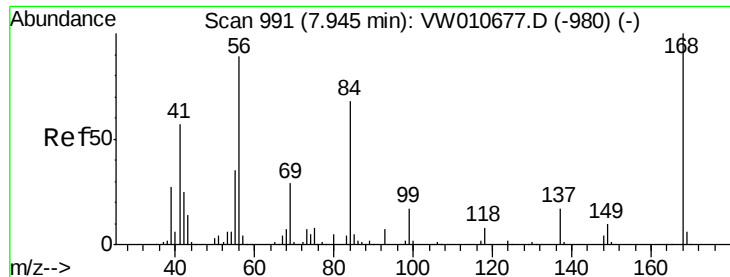
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :

MSVOA_W

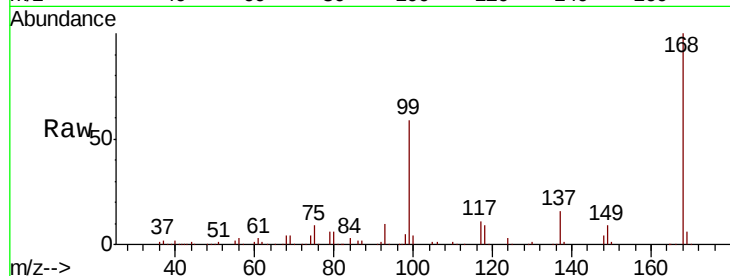
ClientSampleId :

Tot Ion:168 Resp: 180131

Ion Ratio Lower Upper

168 100

99 59.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

80000

60000

40000

20000

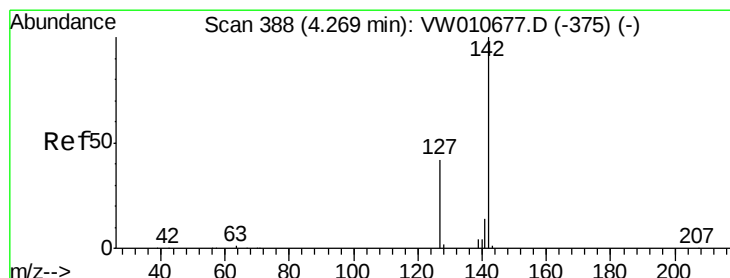
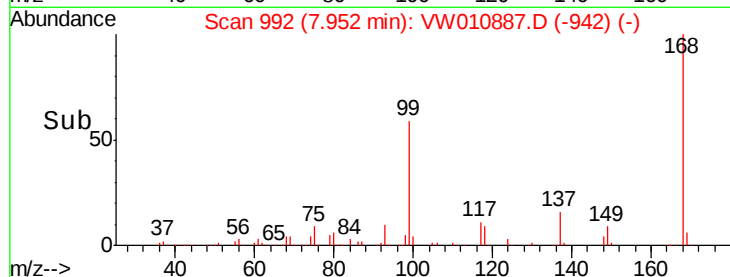
0

Time-->

7.90

8.00

8.10



#10

Methyl Iodide

Concen: 4.909 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

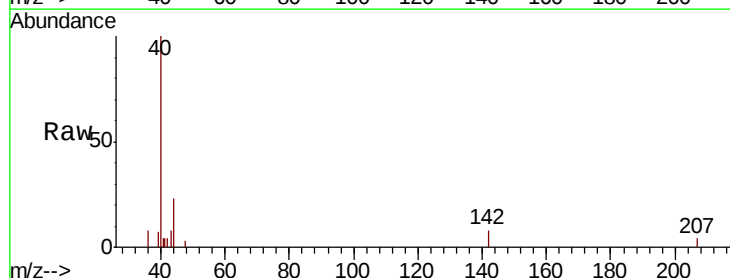
Tgt Ion:142 Resp: 228

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.26

150

100

50

0

Time-->

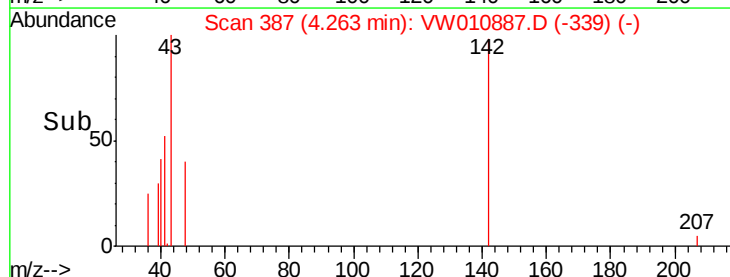
4.22

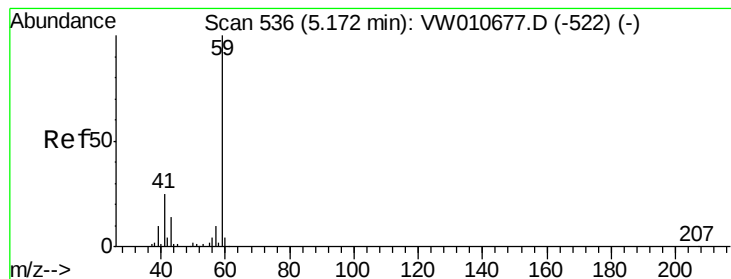
4.24

4.26

4.28

4.30



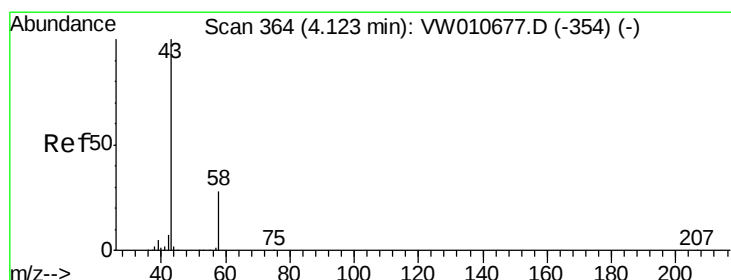
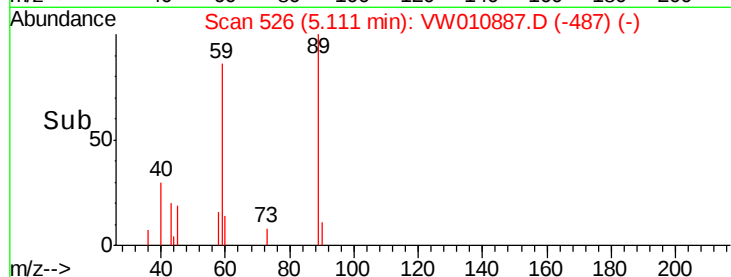
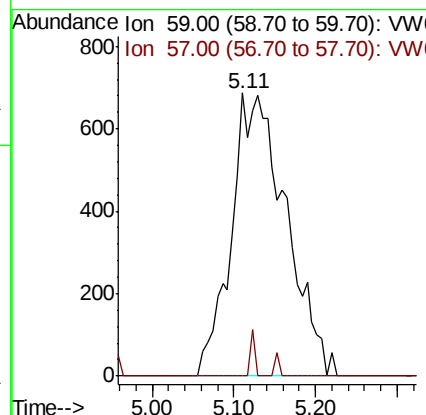
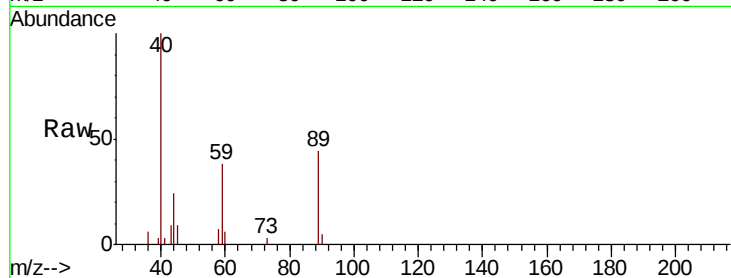


#11

Tert butyl alcohol
 Concen: 18.396 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.06 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :

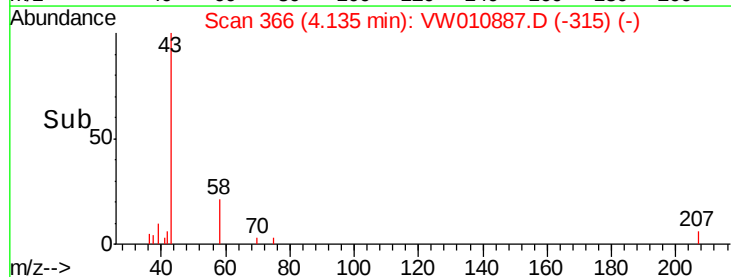
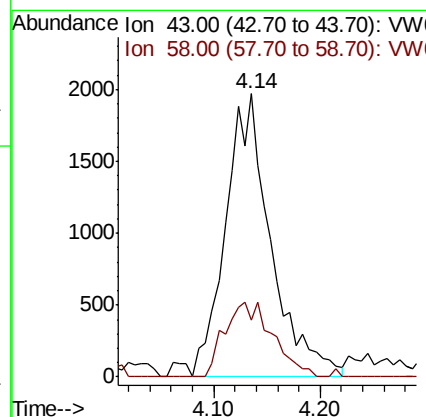
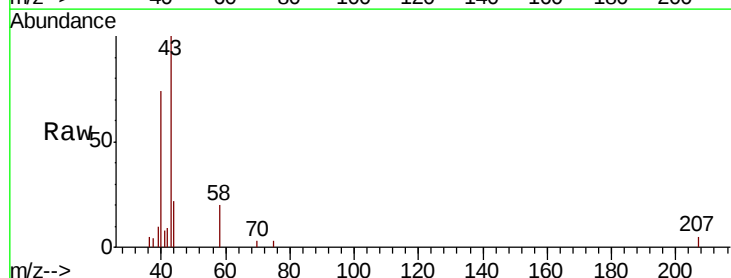
Tot Ion: 59 Resp: 3182
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.6 12.8#

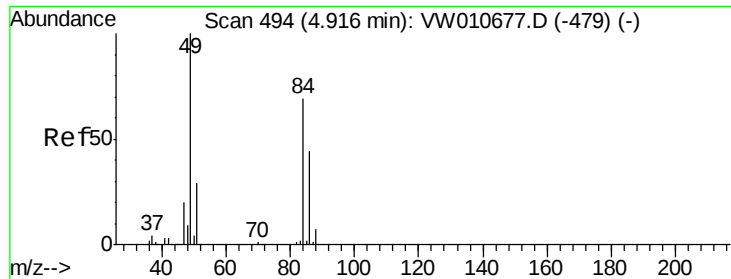


#16

Acetone
 Concen: 10.266 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

Tgt Ion: 43 Resp: 5840
 Ion Ratio Lower Upper
 43 100
 58 20.1 22.1 33.1#

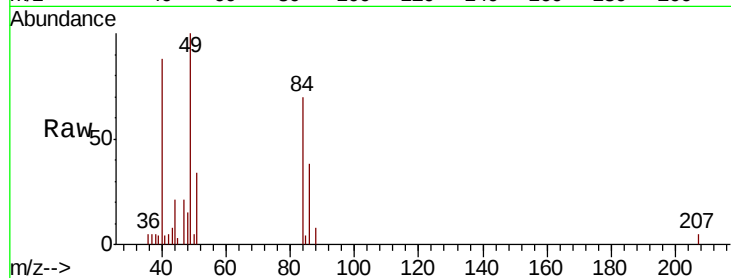




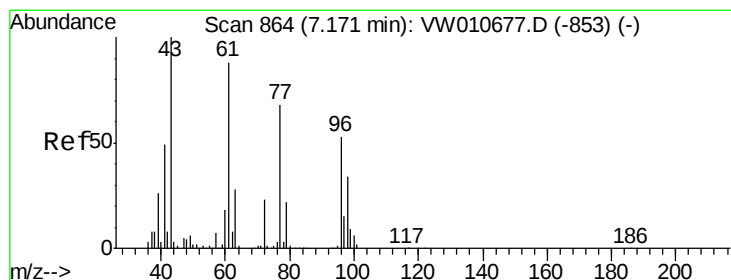
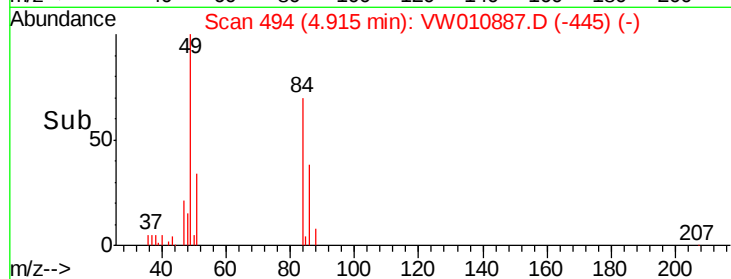
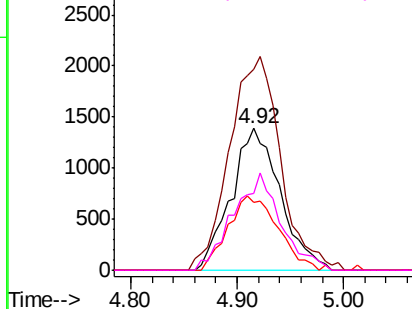
#20
Methvlene Chloride
Concen: 2.247 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010887.D
Acq: 20 Jun 2019 12:53

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 4485
Ion Ratio Lower Upper
84 100
49 141.9 116.7 175.1
51 47.8 34.2 51.2
86 54.4 51.2 76.8

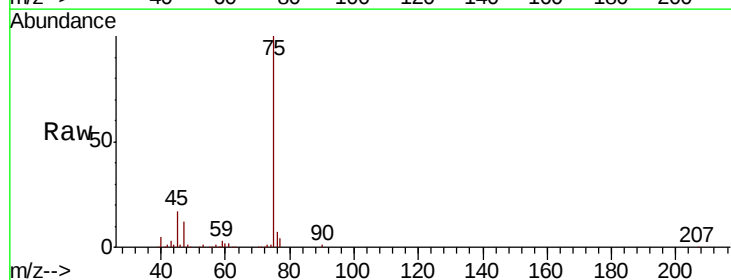


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

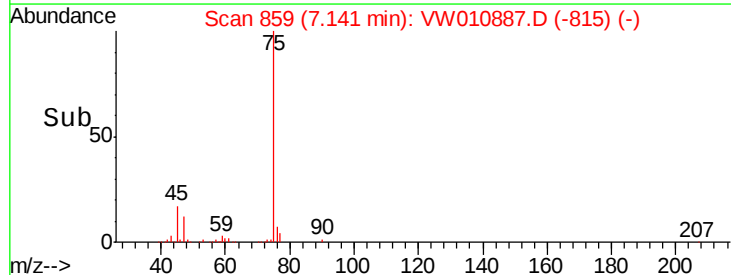
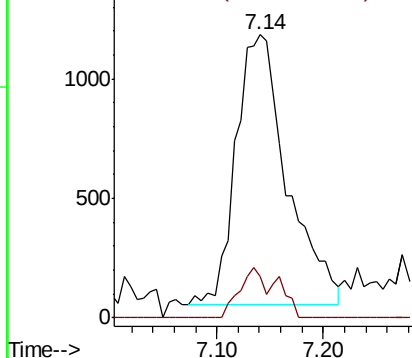


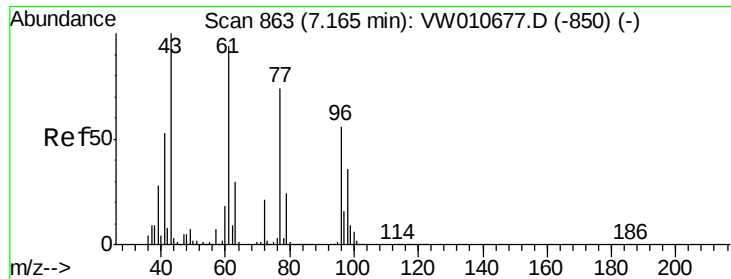
#25
2-Butanone
Concen: 4.830 ug/l
RT: 7.14 min Scan# 859
Delta R.T. -0.03 min
Lab File: VW010887.D
Acq: 20 Jun 2019 12:53

Tgt Ion: 43 Resp: 3810
Ion Ratio Lower Upper
43 100
72 15.2 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

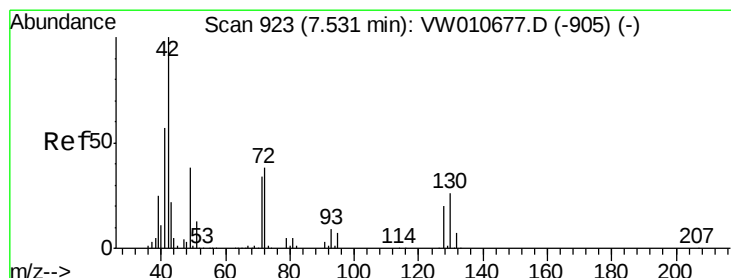
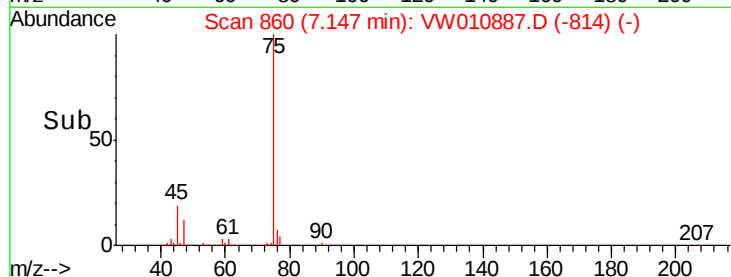
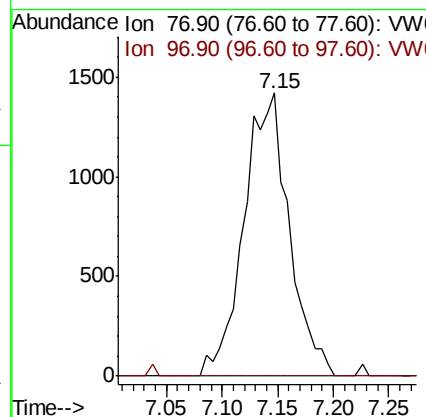
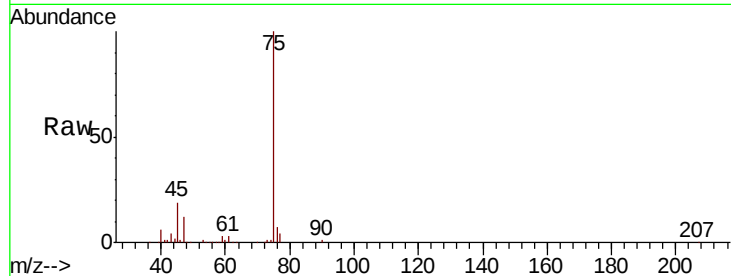




#26
 2,2-Dichloropropane
 Concen: 1.282 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

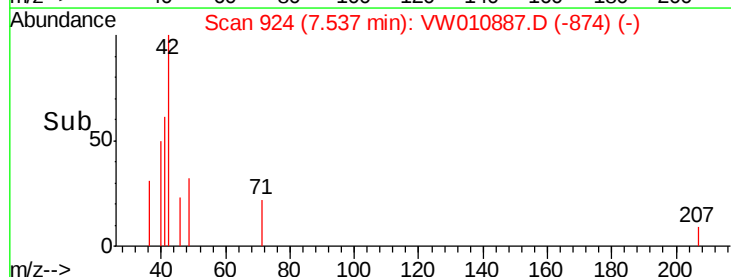
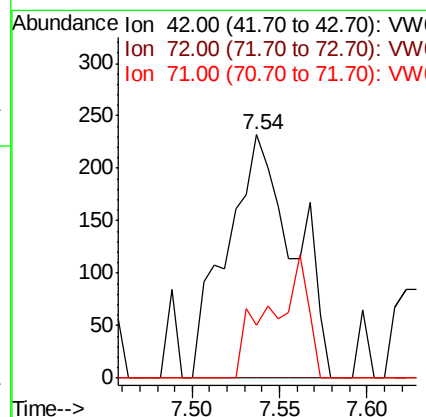
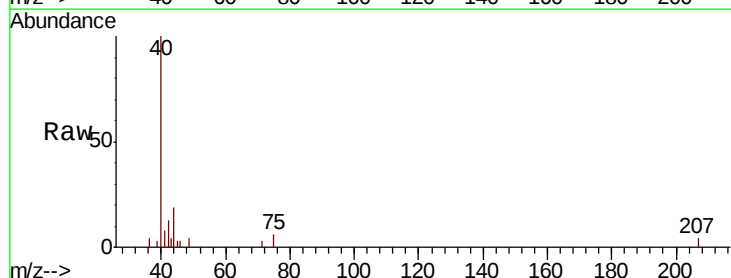
Instrument :
 MSVOA_W
 ClientSampleId :

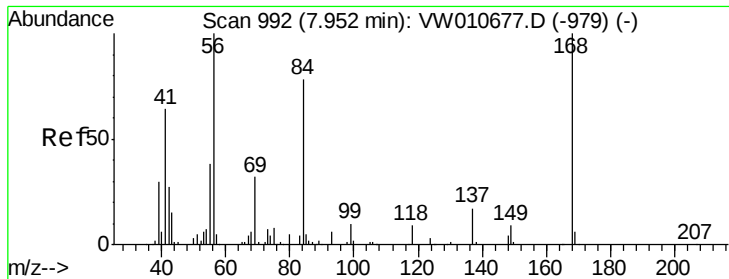
Tot Ion: 77 Resp: 4020
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.6#



#29
 Tetrahydrofuran
 Concen: 1.248 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

Tgt Ion: 42 Resp: 619
 Ion Ratio Lower Upper
 42 100
 72 0.0 28.7 43.1#
 71 0.0 26.6 39.8#





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :

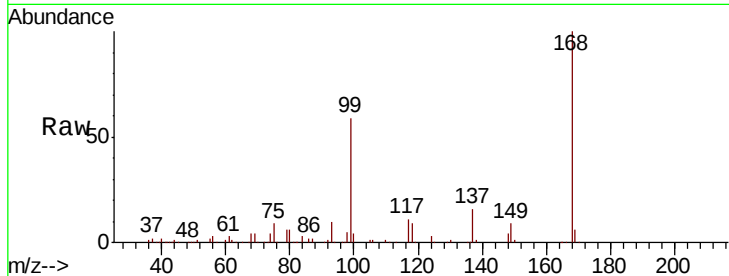
Tot Ion: 56 Resp: 5096

Ion Ratio Lower Upper

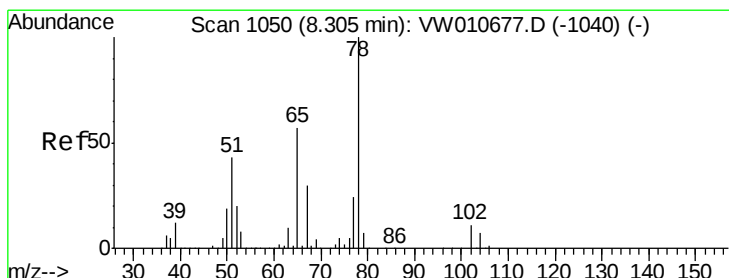
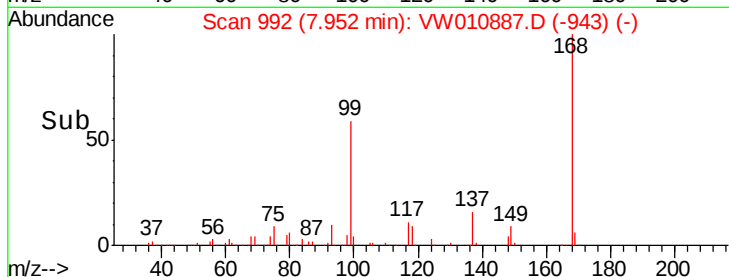
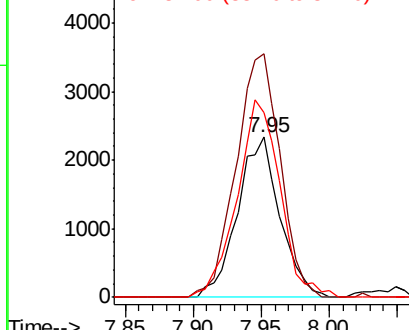
56 100

69 152.3 25.2 37.8#

84 116.0 62.2 93.2#



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: 57.273 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010887.D

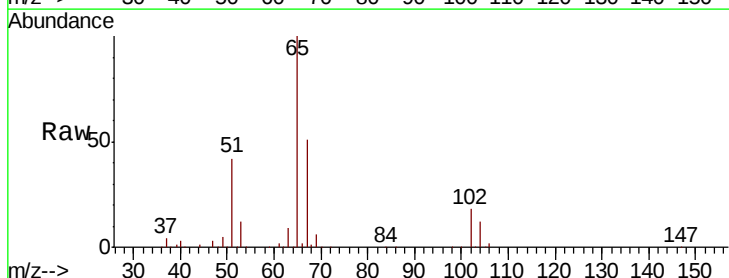
Acq: 20 Jun 2019 12:53

Tgt Ion: 65 Resp: 121600

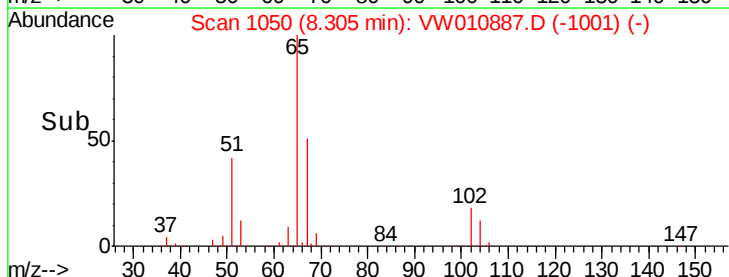
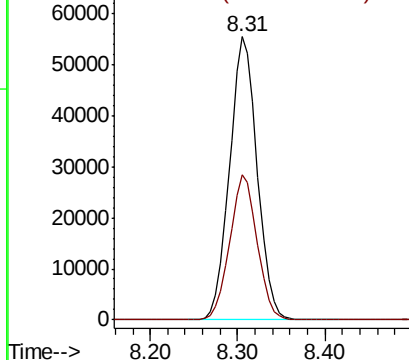
Ion Ratio Lower Upper

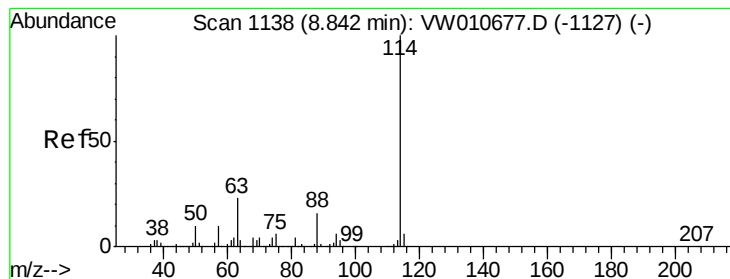
65 100

67 50.8 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: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :
MSVOA_W
ClientSampleId :

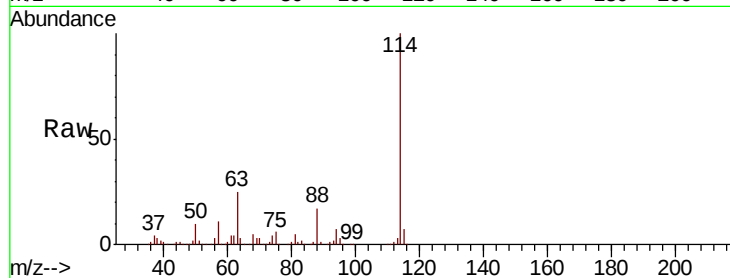
Tot Ion:114 Resp: 287957

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	46.4
88	17.1	0.0	32.2

114 100

63 25.2 0.0 46.4

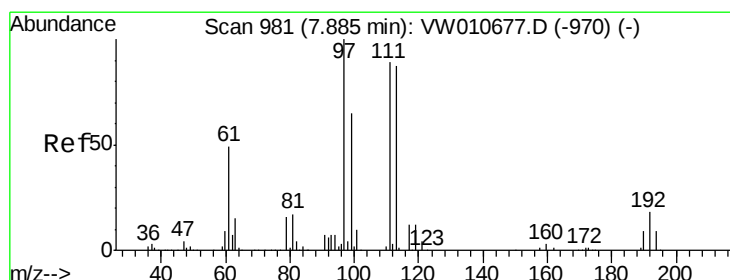
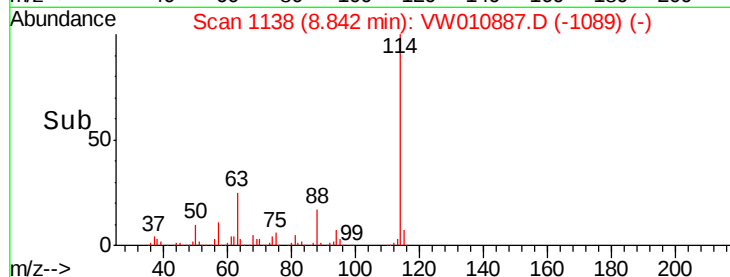
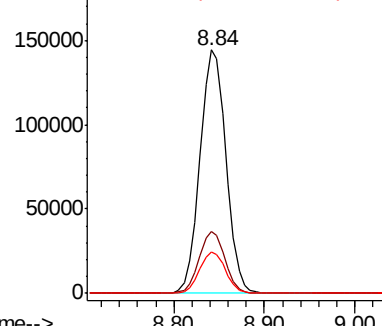
88 17.1 0.0 32.2



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: 53.711 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

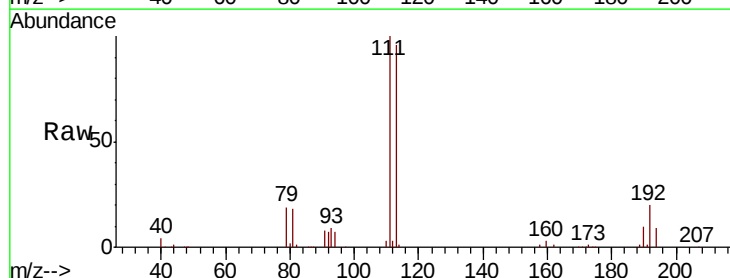
Tgt Ion:113 Resp: 83949

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	19.7	16.4	24.6

113 100

111 103.7 82.6 123.8

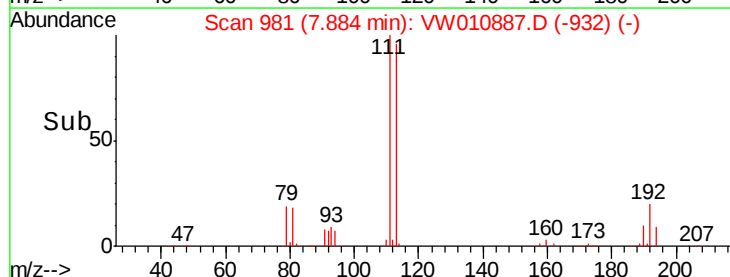
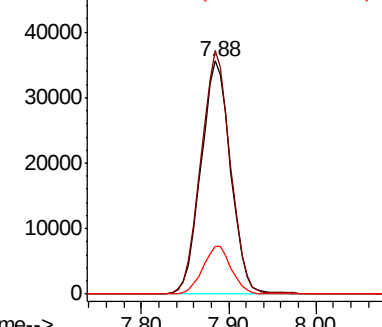
192 19.7 16.4 24.6

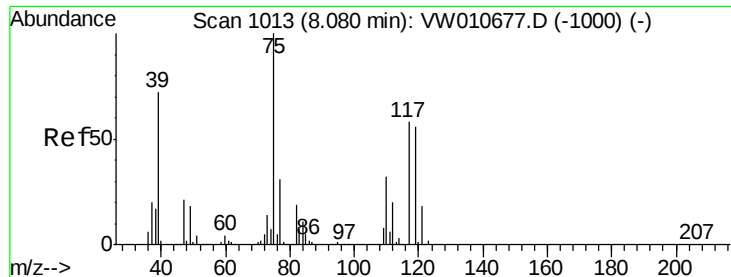


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

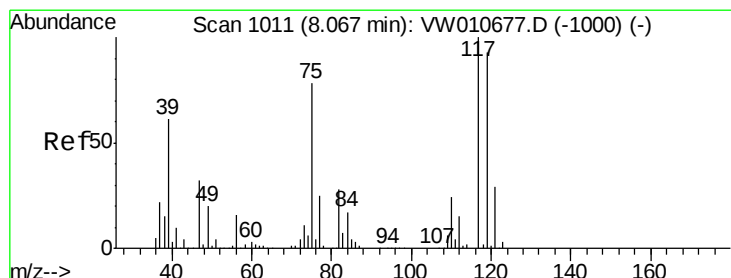
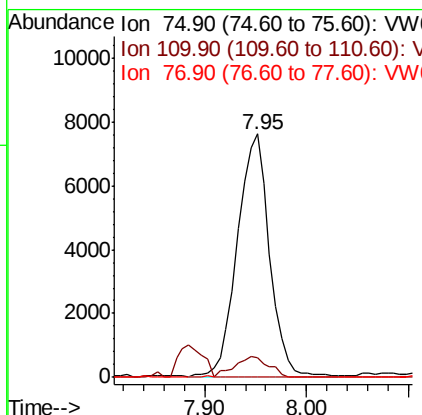
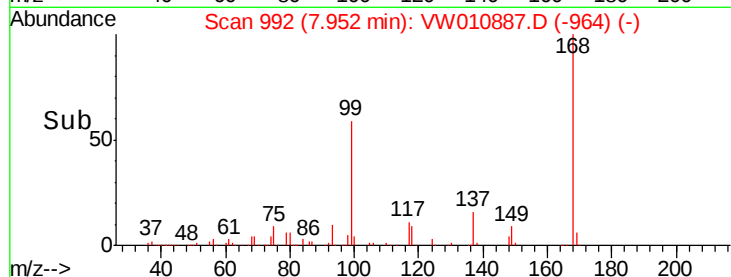
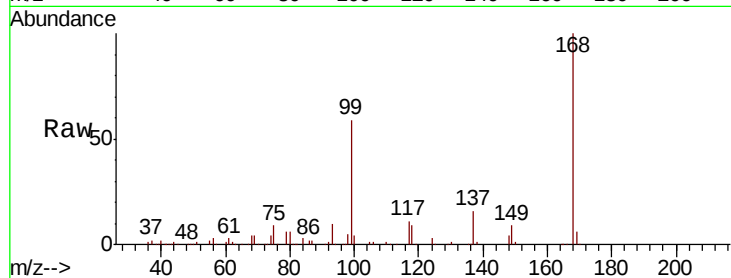




#36
 1,1-Dichloropropene
 Concen: 5.685 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

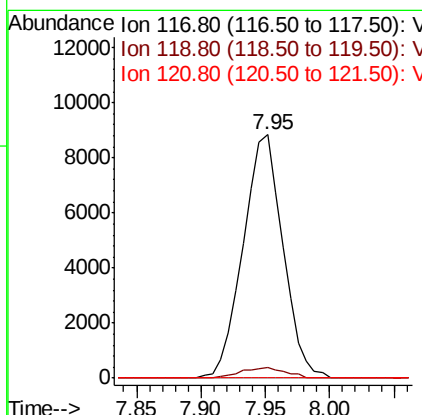
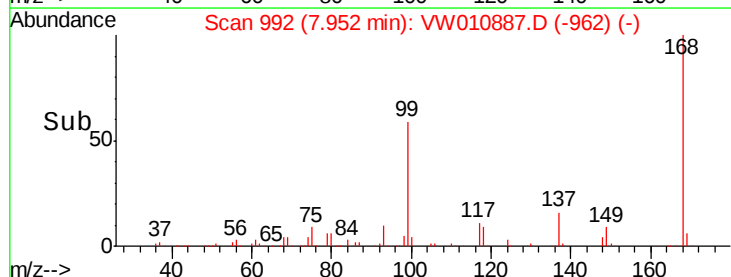
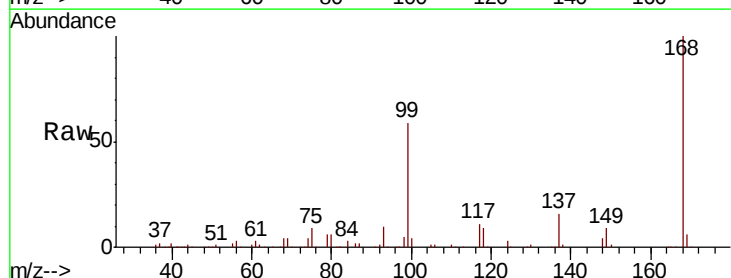
Instrument :
 MSVOA_W
 ClientSampleId :

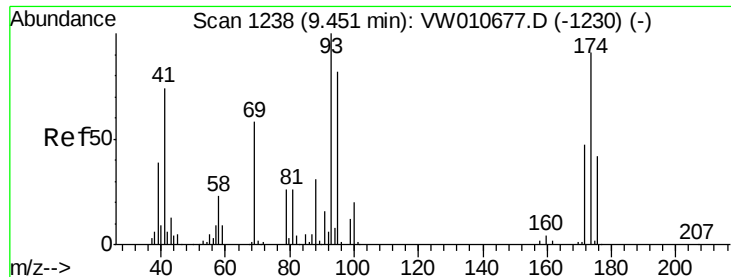
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.435 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	74.2	111.4#
121	0.0	22.9	34.3#





#49

1,4-Dioxane

Concen: 27.107 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampleId :

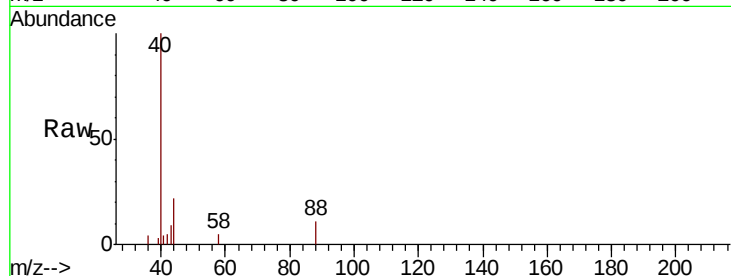
Tot Ion: 88 Resp: 419

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

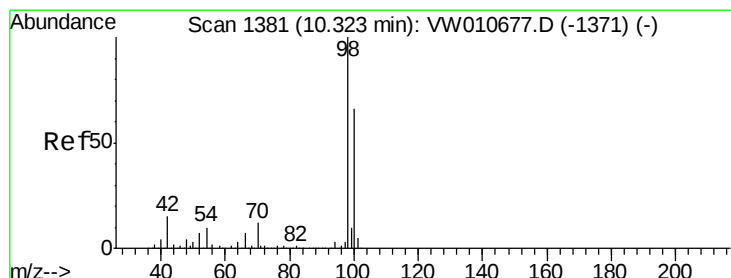
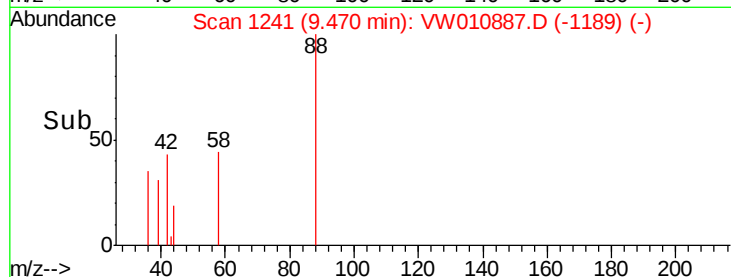
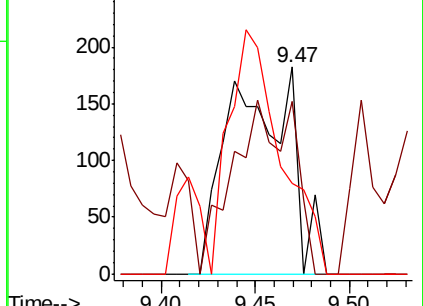
58 0.0 69.0 103.4#



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: 50.581 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010887.D

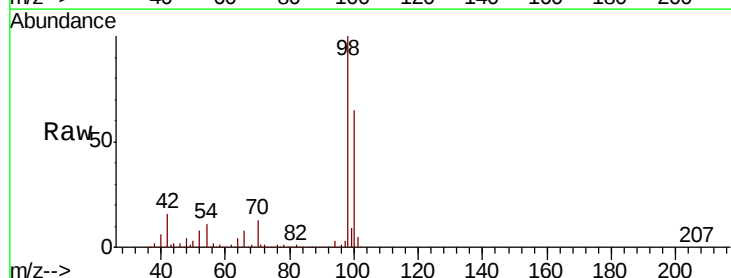
Acq: 20 Jun 2019 12:53

Tgt Ion: 98 Resp: 346671

Ion Ratio Lower Upper

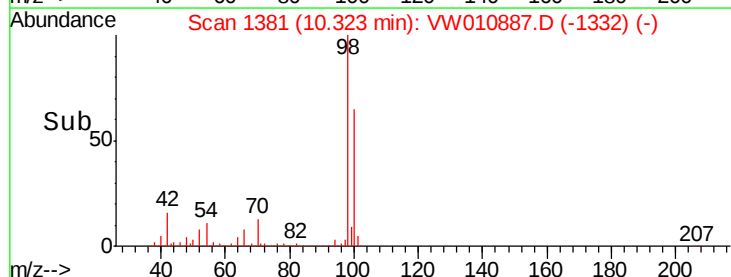
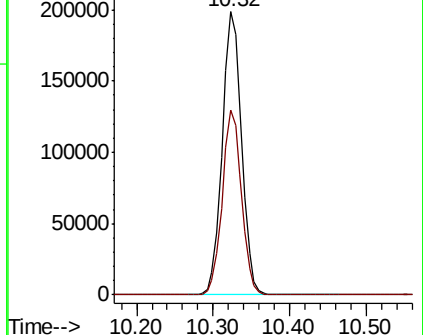
98 100

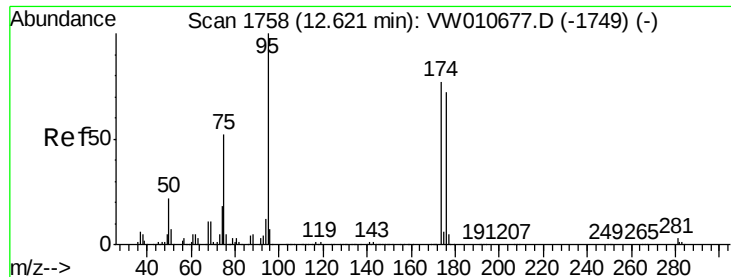
100 64.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 48.821 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

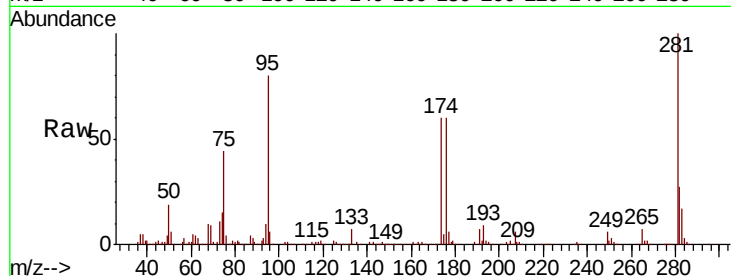
Tot Ion: 95 Resp: 121761

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

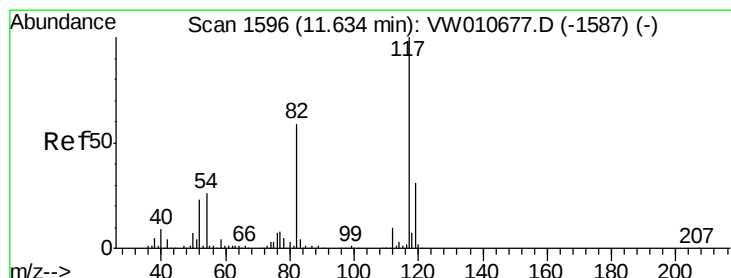
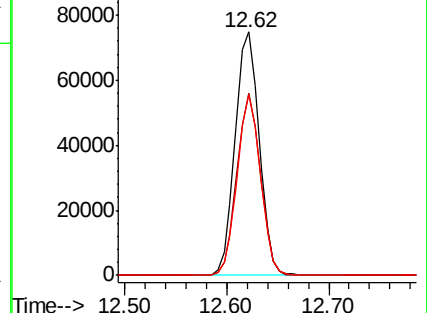
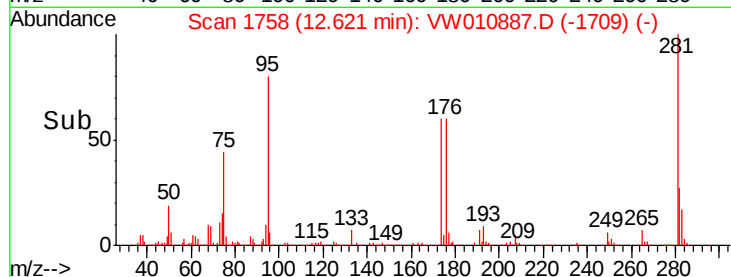
176 71.8 0.0 144.8



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# 1596

Delta R.T. -0.00 min

Lab File: VW010887.D

Acq: 20 Jun 2019 12:53

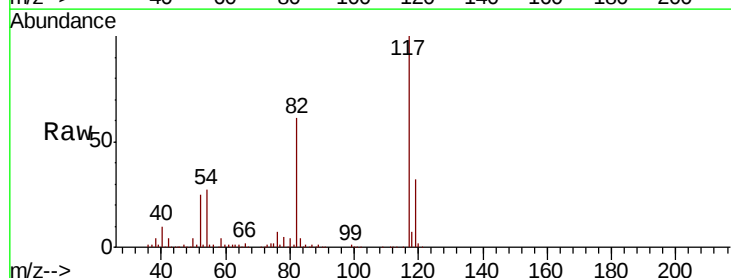
Tgt Ion: 117 Resp: 244849

Ion Ratio Lower Upper

117 100

82 60.6 47.0 70.4

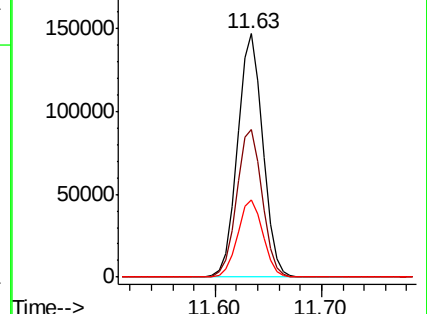
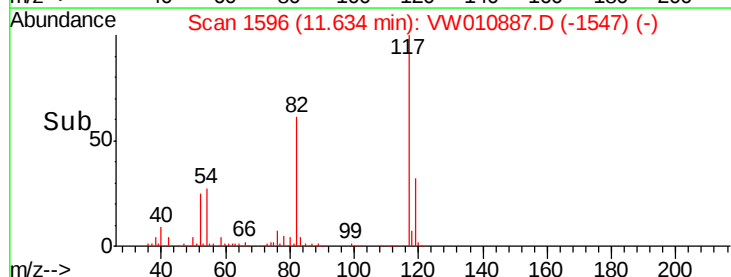
119 31.5 25.1 37.7

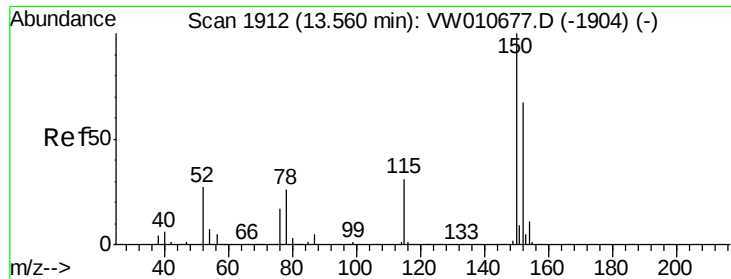


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW010887.D

Acq: 20 Jun 2019 12:53

Instrument :

MSVOA_W

ClientSampled :

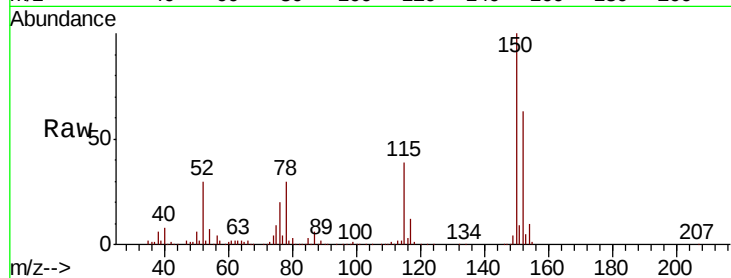
Tot Ion:152 Resp: 106605

Ion Ratio Lower Upper

152 100

115 61.0 29.8 89.3

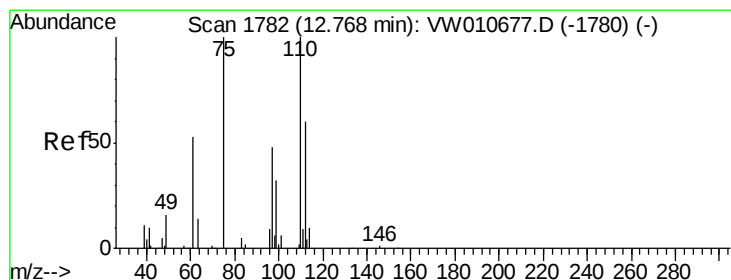
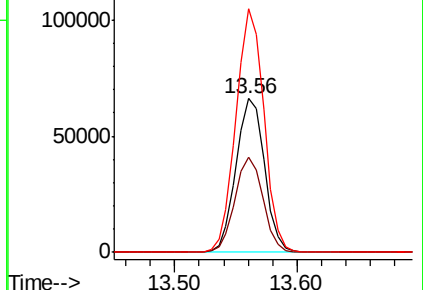
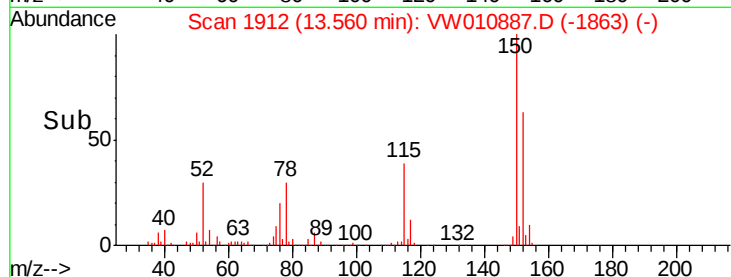
150 155.6 0.0 345.0



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: 61.645 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010887.D

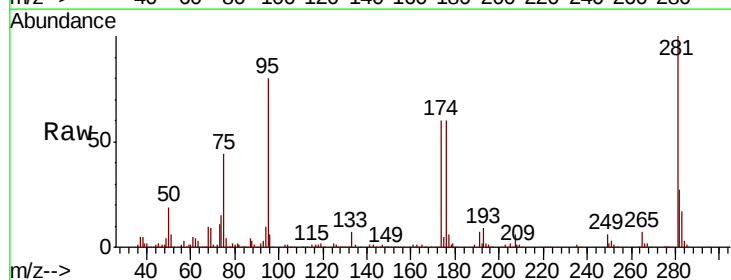
Acq: 20 Jun 2019 12:53

Tgt Ion: 75 Resp: 69011

Ion Ratio Lower Upper

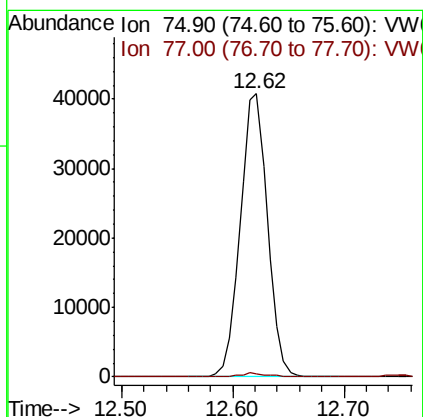
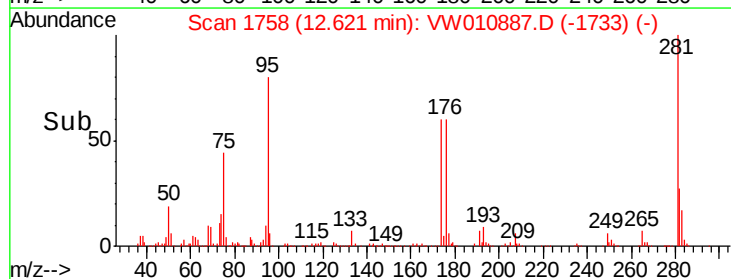
75 100

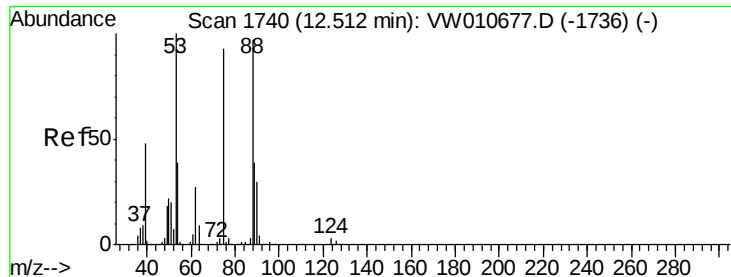
77 1.3 0.0 0.0#



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: 141.680 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010887.D
 Acq: 20 Jun 2019 12:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 69011
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 34.6 52.0#

