

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\
 Data File : VW006671.D
 Acq On : 06 Nov 2018 08:04
 Operator : SY/AP
 Sample : J5812-01
 Misc : 5.94G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 06 10:14:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

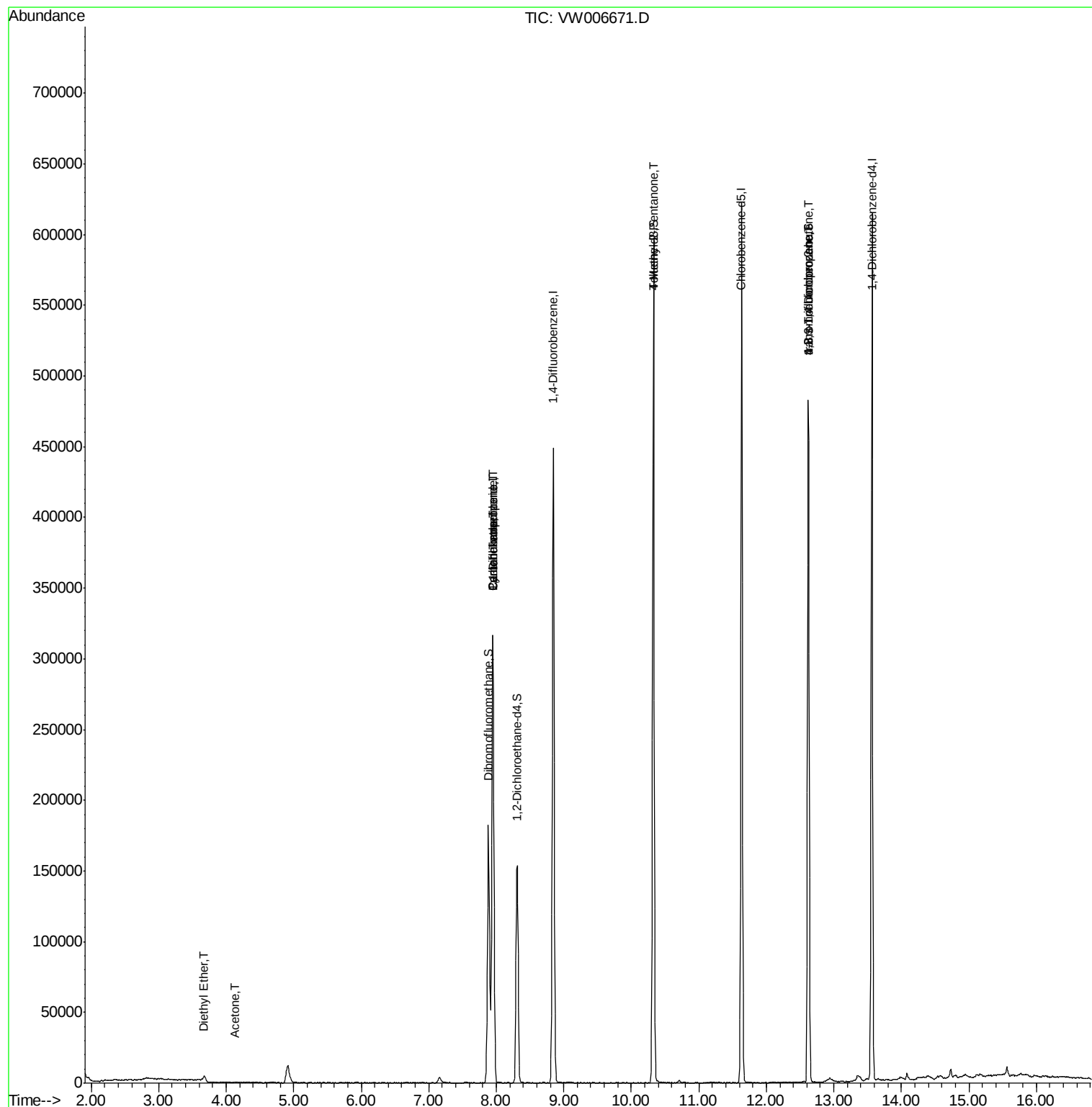
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	409563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176468	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	123332	54.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.50%	
35) Dibromofluoromethane	7.88	113	127241	49.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.00%	
50) Toluene-d8	10.33	98	419228	42.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.68%	
62) 4-Bromofluorobenzene	12.62	95	149055	42.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.04%	
Target Compounds						
8) Diethyl Ether	3.67	74	2531	2.214	ug/l	77
16) Acetone	4.14	43	613	1.670	ug/l #	42
20) Methylene Chloride	4.92	84	11148	Below Cal		89
31) Cyclohexane	7.95	56	4288	1.184	ug/l #	21
36) 1,1-Dichloropropene	7.95	75	16197	4.497	ug/l #	49
38) Carbon Tetrachloride	7.95	117	22364	5.942	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	1685	1.317	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	73221	53.180	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73221	133.053	ug/l #	11

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

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Quant Time: Nov 06 10:14:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :

MSVOA_W

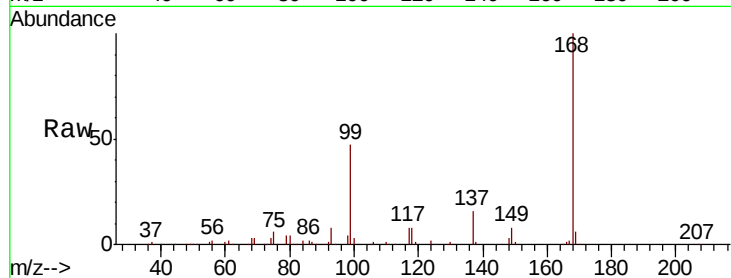
ClientSampled :

Tot Ion:168 Resp: 264473

Ion Ratio Lower Upper

168 100

99 47.2 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

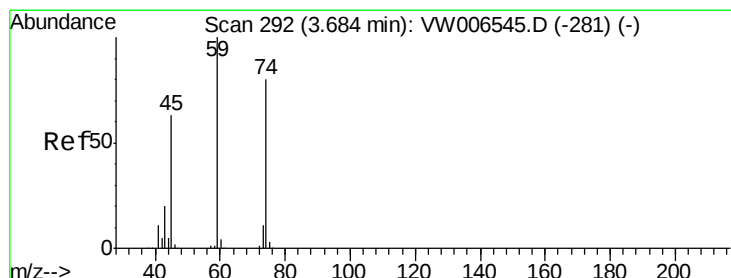
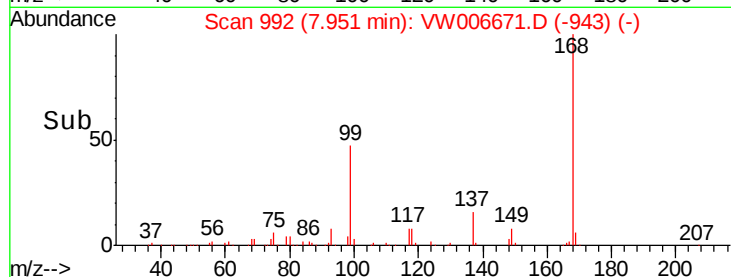
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.214 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW006671.D

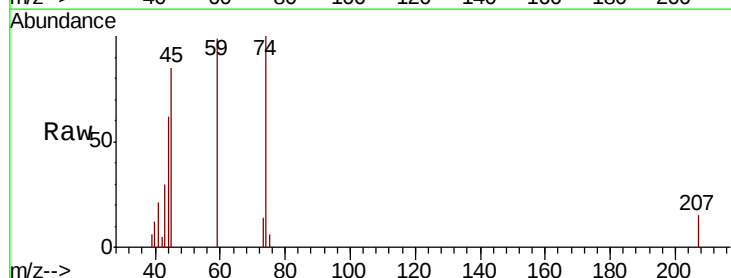
Acq: 06 Nov 2018 08:04

Tgt Ion: 74 Resp: 2531

Ion Ratio Lower Upper

74 100

45 103.2 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

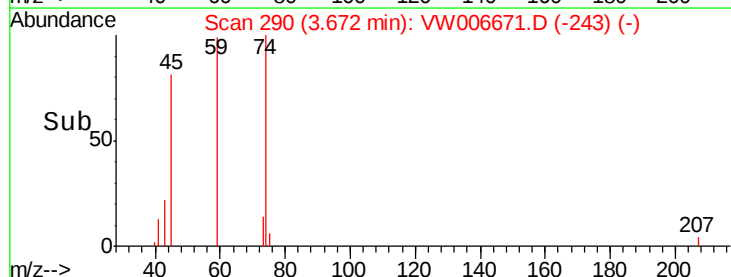
3.67

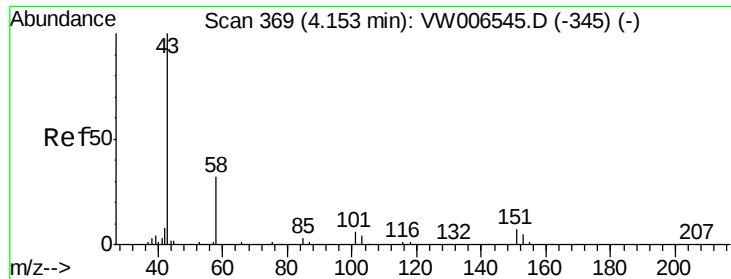
1000

500

0

Time-->





#16

Acetone

Concen: 1.670 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :

MSVOA_W

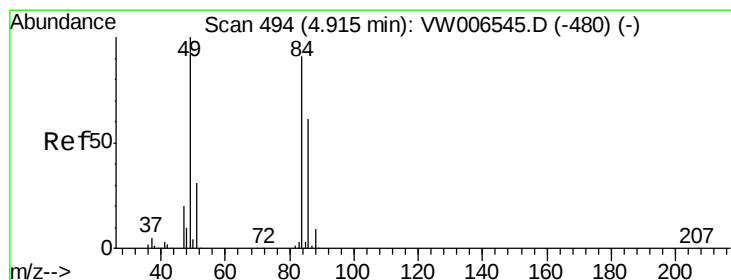
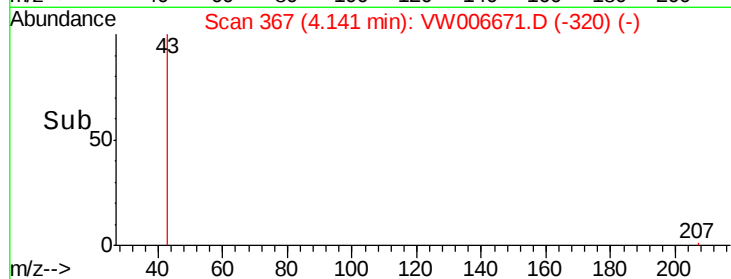
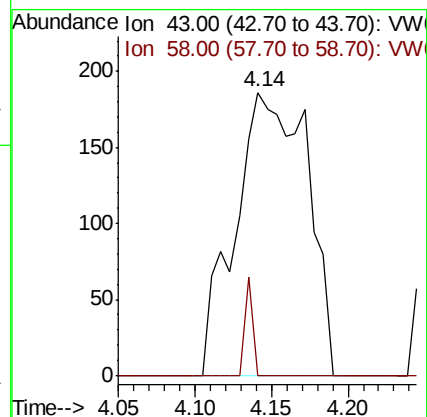
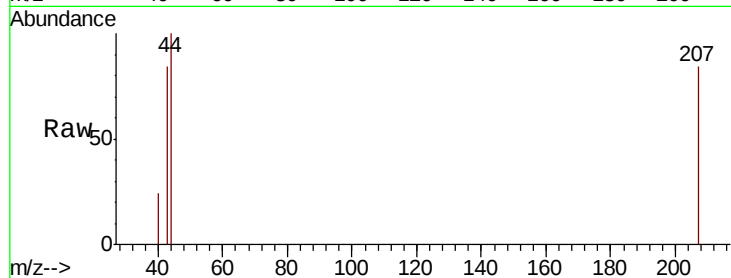
ClientSampled :

Tot Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Tgt Ion: 84 Resp: 11148

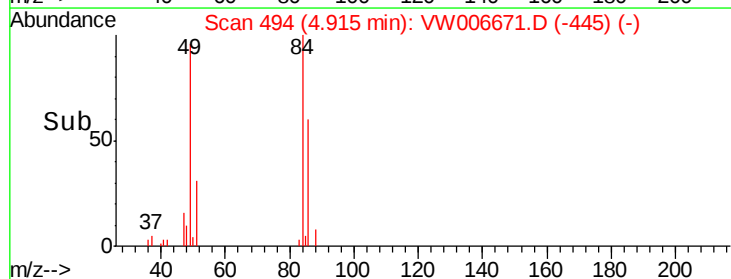
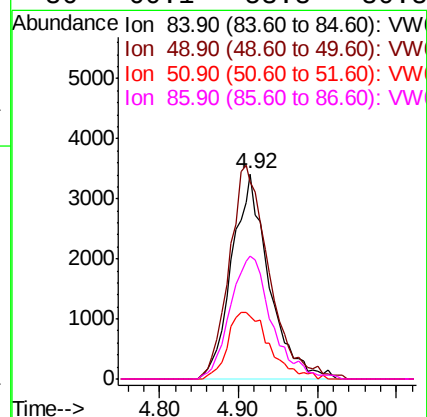
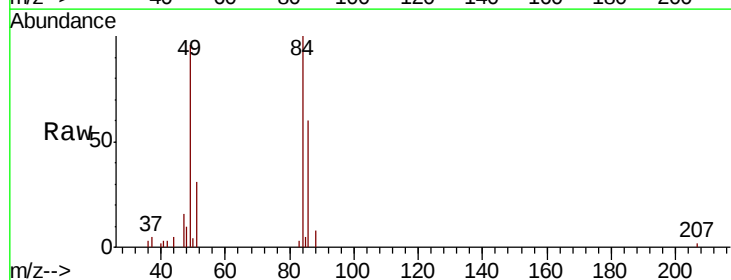
Ion Ratio Lower Upper

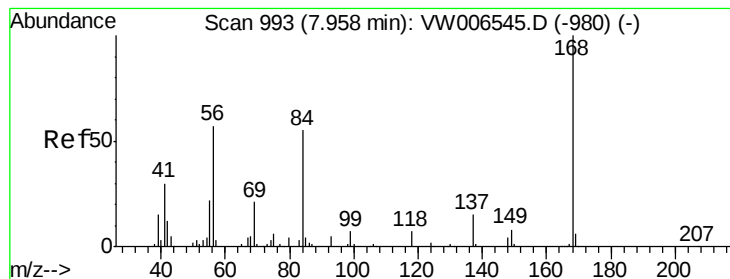
84 100

49 96.1 88.2 132.4

51 30.7 27.0 40.6

86 60.1 53.8 80.8





#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :
MSVOA_W
ClientSampled :

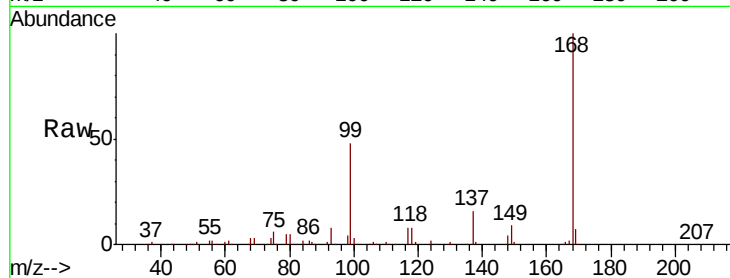
Tot Ion: 56 Resp: 4288

Ion Ratio Lower Upper

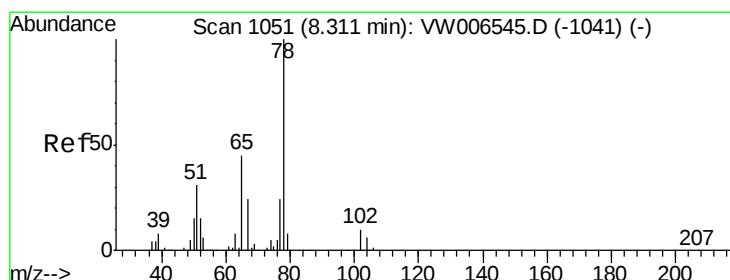
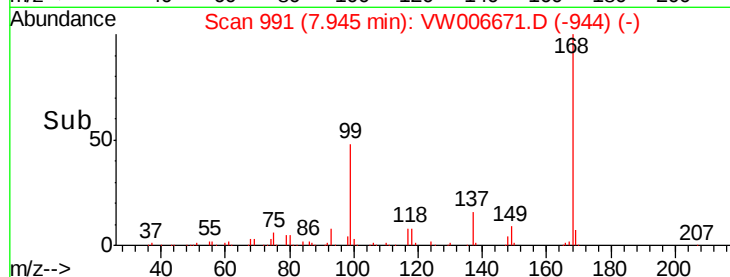
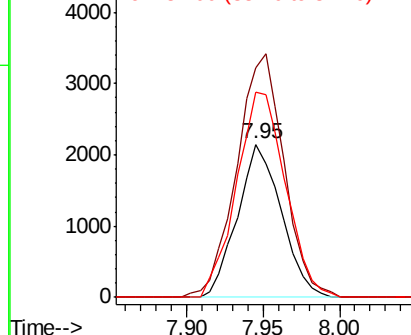
56 100

69 149.9 29.0 43.4#

84 133.9 77.8 116.6#



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: 54.250 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006671.D

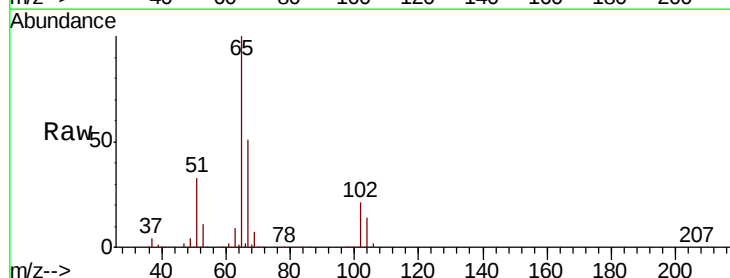
Acq: 06 Nov 2018 08:04

Tgt Ion: 65 Resp: 123332

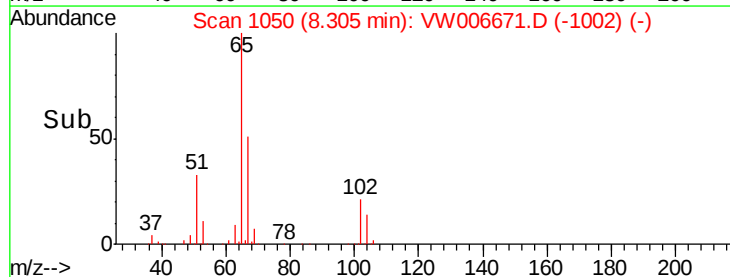
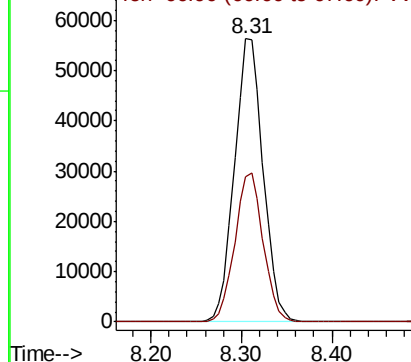
Ion Ratio Lower Upper

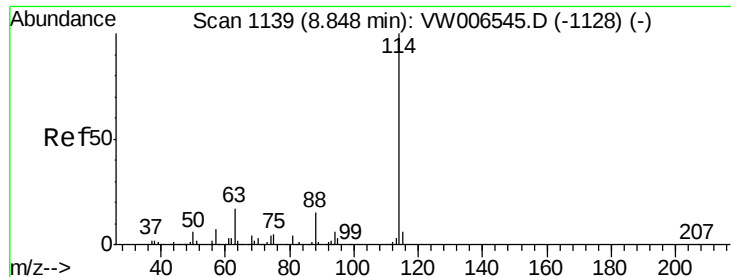
65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

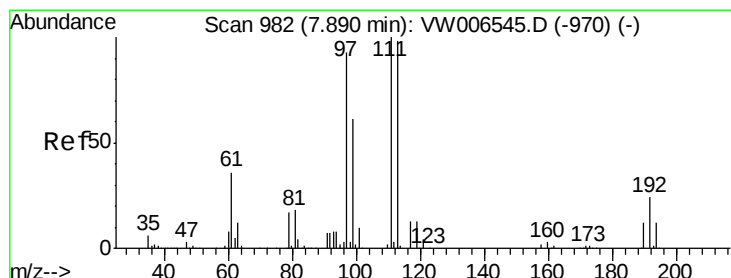
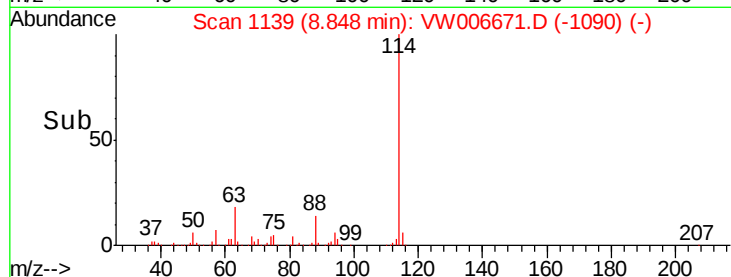
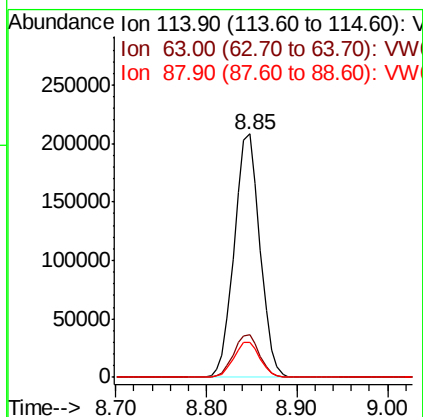
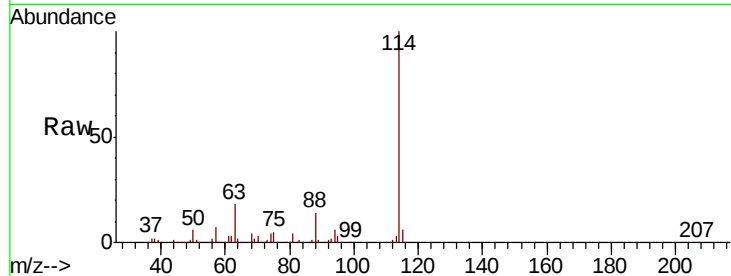




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006671.D
 Acq: 06 Nov 2018 08:04

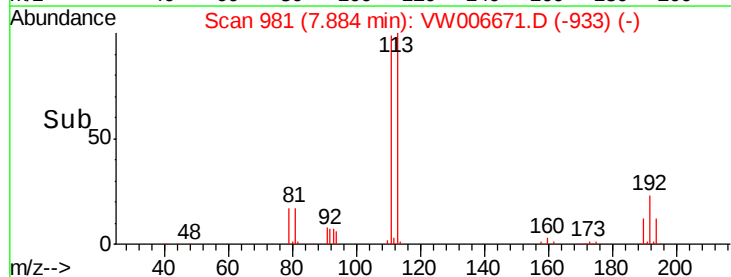
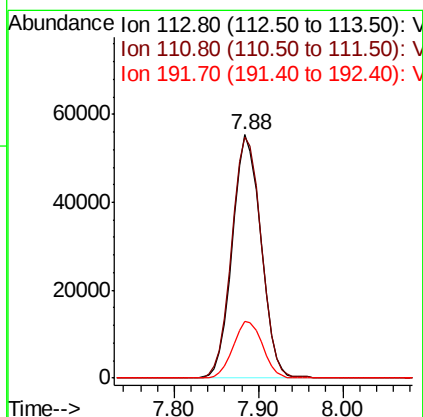
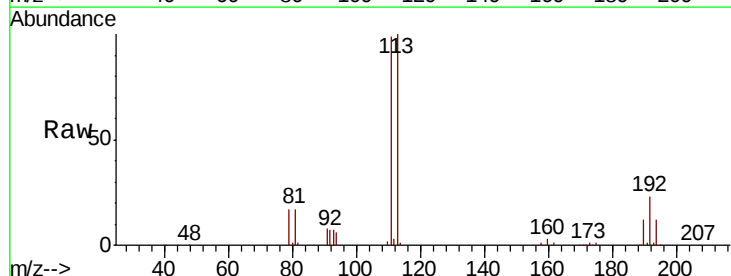
Instrument :
 MSVOA_W
 ClientSampled :

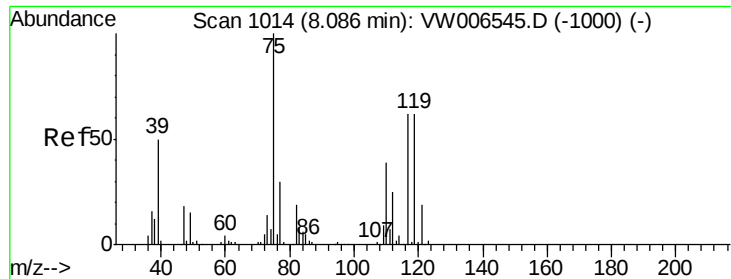
Tot Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	34.4
88	14.3	0.0	29.0



#35
 Dibromofluoromethane
 Concen: 49.504 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006671.D
 Acq: 06 Nov 2018 08:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.2
192	23.8	19.0	28.6

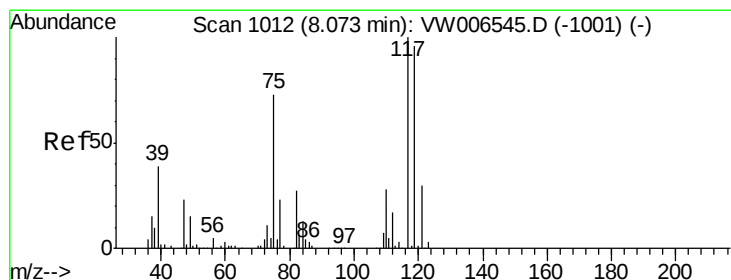
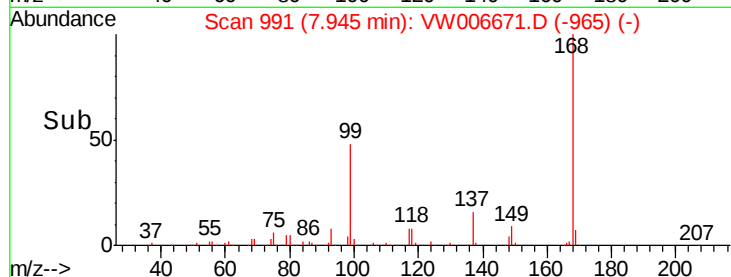
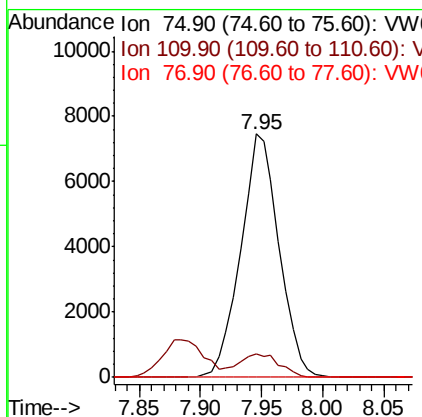
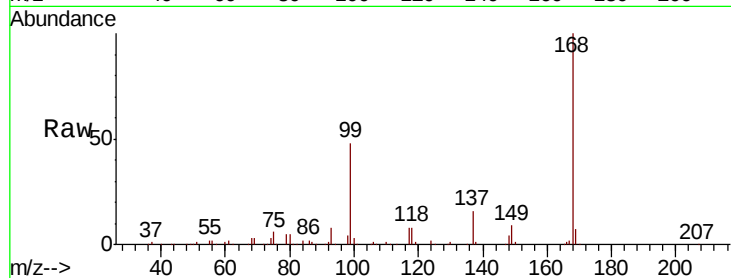




#36
 1,1-Dichloropropene
 Concen: 4.497 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006671.D
 Acq: 06 Nov 2018 08:04

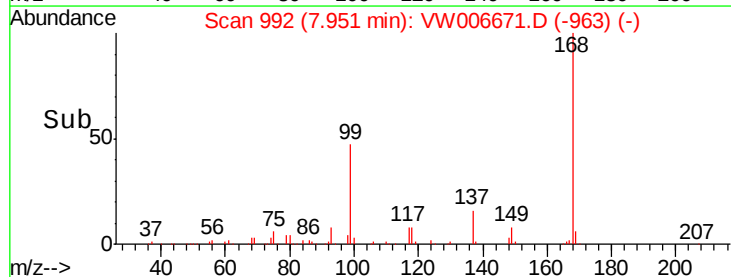
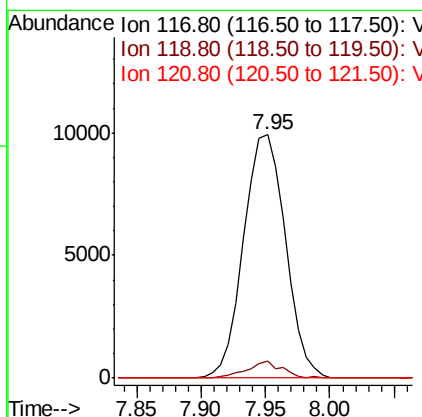
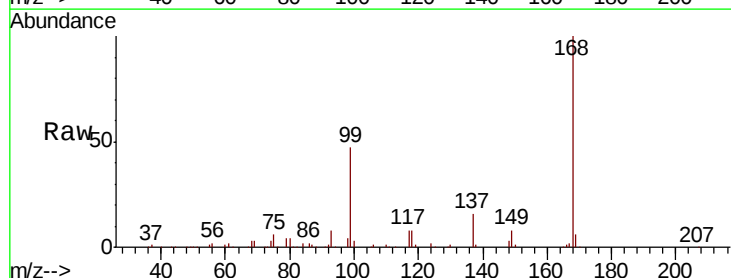
Instrument :
 MSVOA_W
 ClientSampled :

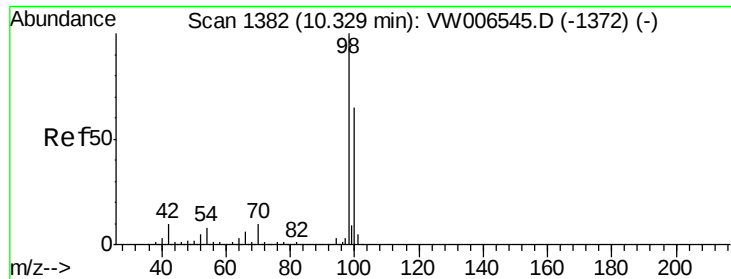
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.942 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006671.D
 Acq: 06 Nov 2018 08:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.3	114.5#
121	0.0	24.1	36.1#





#50

Toluene-d8

Concen: 42.845 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :

MSVOA_W

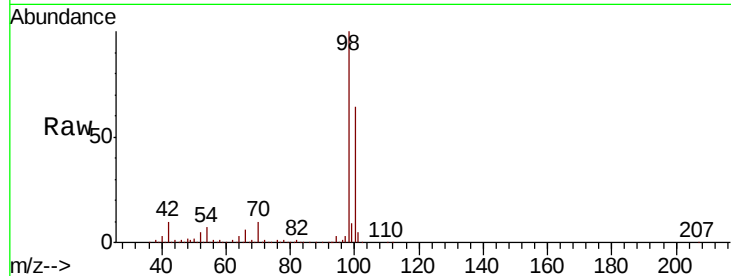
ClientSampled :

Tot Ion: 98 Resp: 419228

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

250000

200000

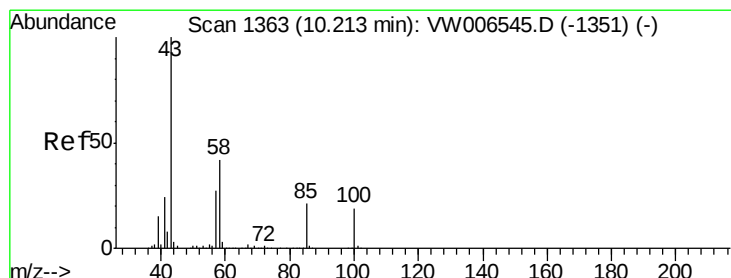
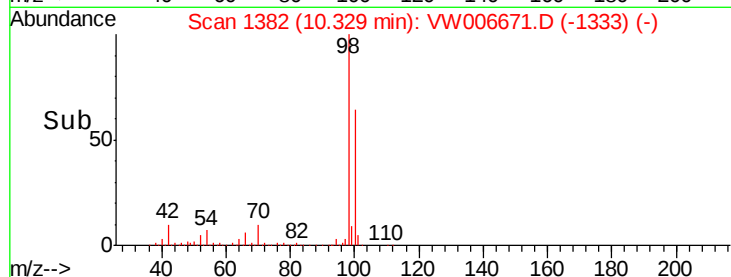
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW006671.D

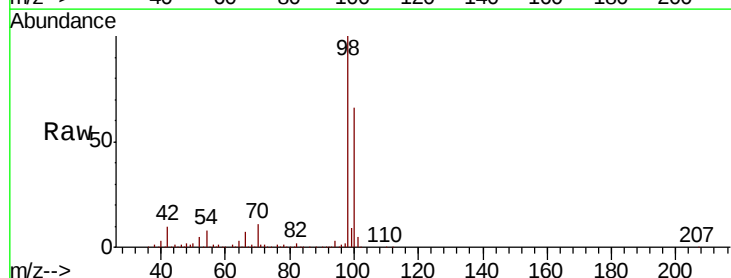
Acq: 06 Nov 2018 08:04

Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

58 170.3 33.4 50.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

2000

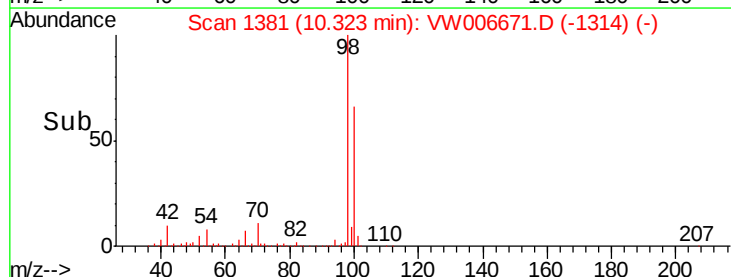
1500

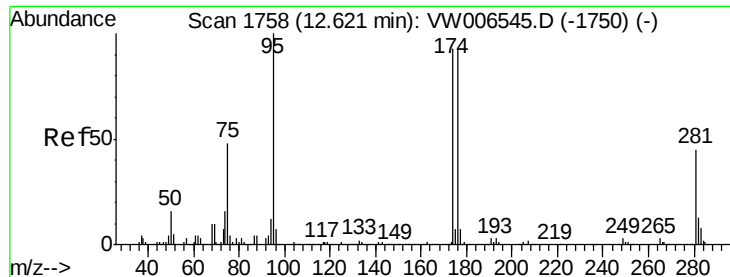
1000

500

0

Time--> 10.25 10.30 10.35





#62

4-Bromofluorobenzene

Concen: 42.019 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

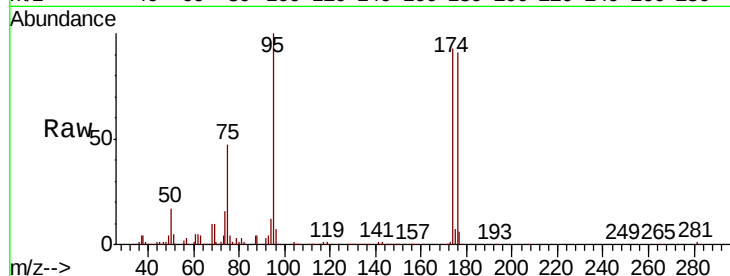
Tot Ion: 95 Resp: 149055

Ion Ratio Lower Upper

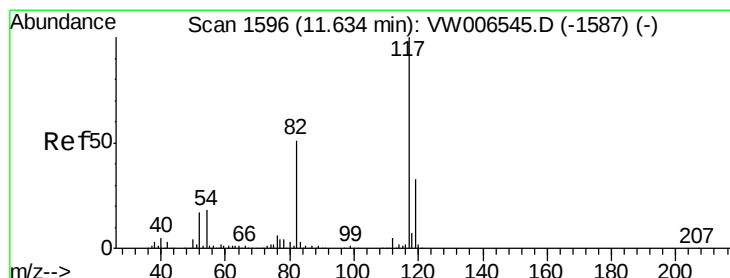
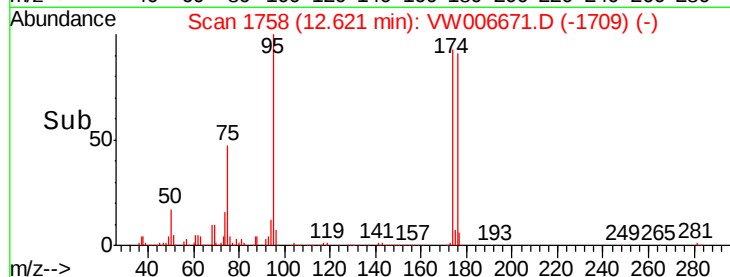
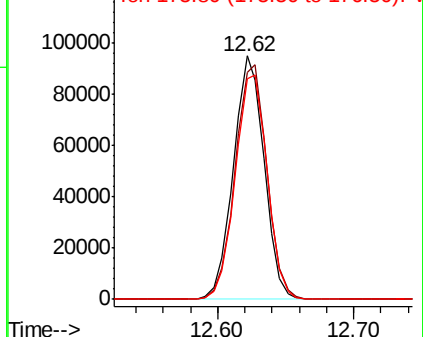
95 100

174 99.7 0.0 192.4

176 96.1 0.0 187.4



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# 1596

Delta R.T. 0.00 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

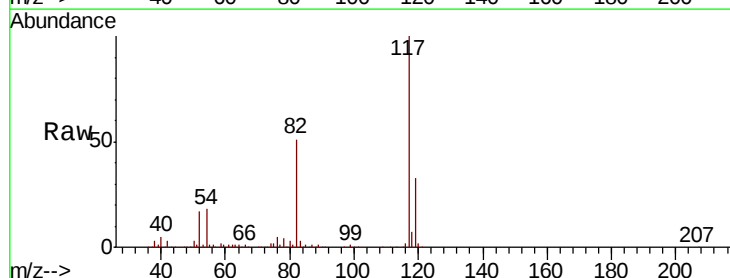
Tgt Ion: 117 Resp: 364141

Ion Ratio Lower Upper

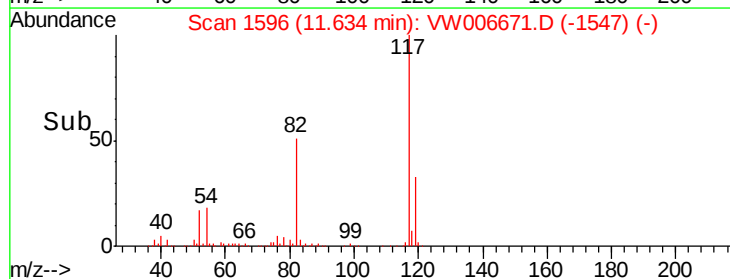
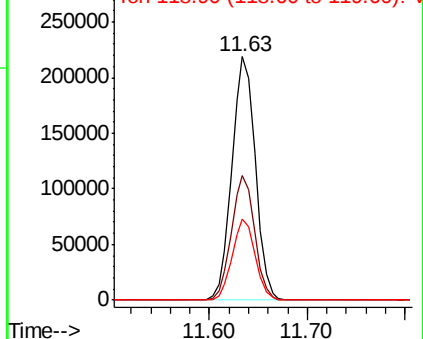
117 100

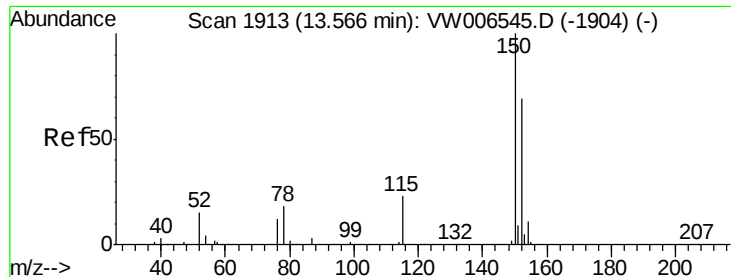
82 51.4 40.8 61.2

119 33.2 26.1 39.1



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



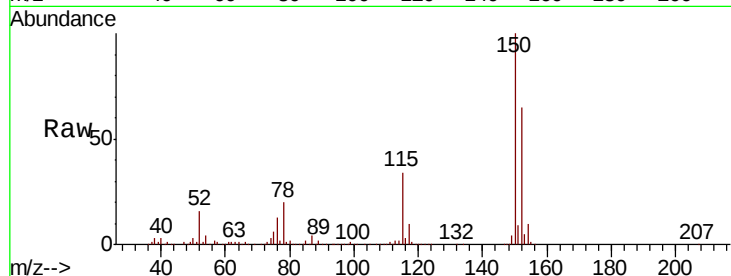


#72

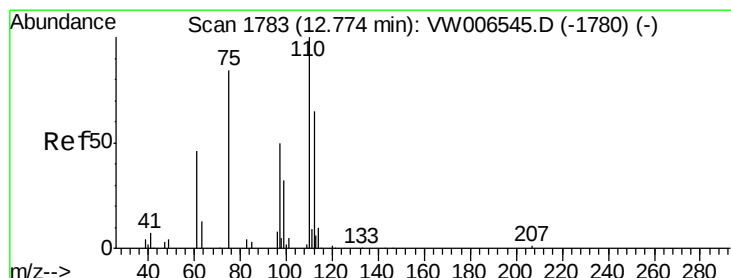
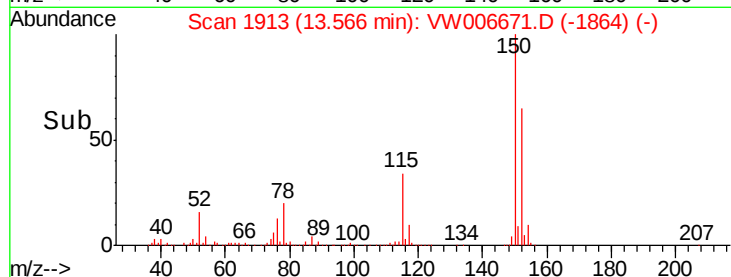
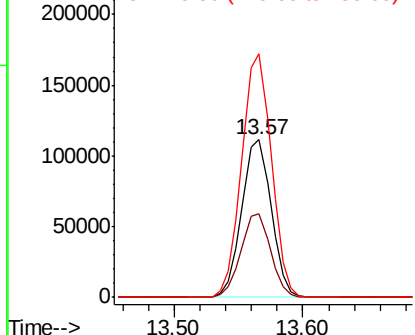
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006671.D
Acq: 06 Nov 2018 08:04

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 176468
Ion Ratio Lower Upper
152 100
115 53.4 26.6 79.8
150 156.1 0.0 344.6



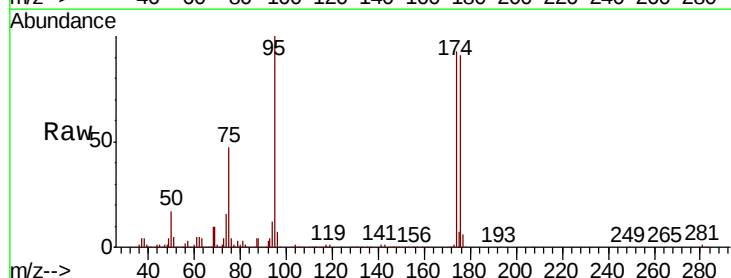
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



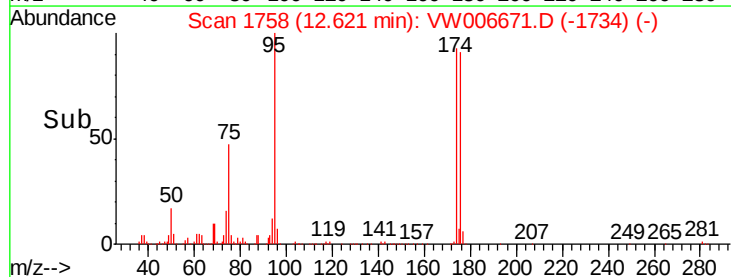
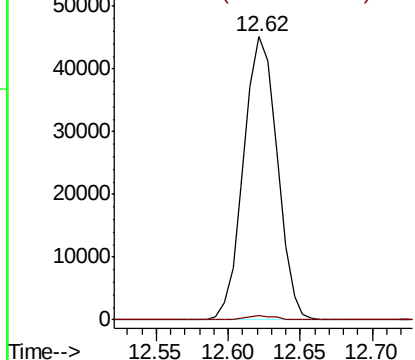
#76

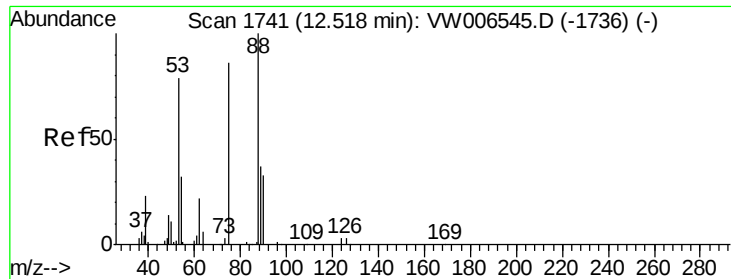
1,2,3-Trichloropropane
Concen: 53.180 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006671.D
Acq: 06 Nov 2018 08:04

Tgt Ion: 75 Resp: 73221
Ion Ratio Lower Upper
75 100
77 1.4 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: 133.053 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006671.D

Acq: 06 Nov 2018 08:04

Instrument :

MSVOA_W

ClientSampleId :

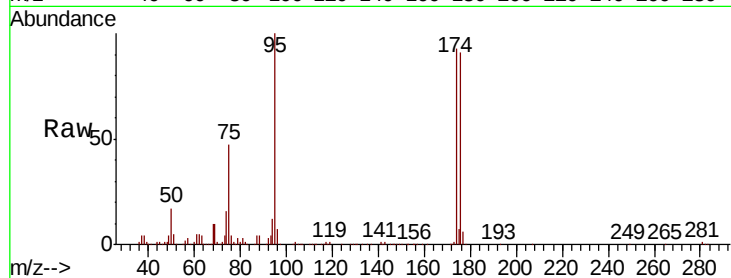
Tot Ion: 75 Resp: 73221

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#



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

