

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006047.D
 Acq On : 12 Oct 2018 14:07
 Operator : VA/AP
 Sample : J5205-03RE
 Misc : 7.27G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-101118

Quant Time: Oct 13 01:08:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

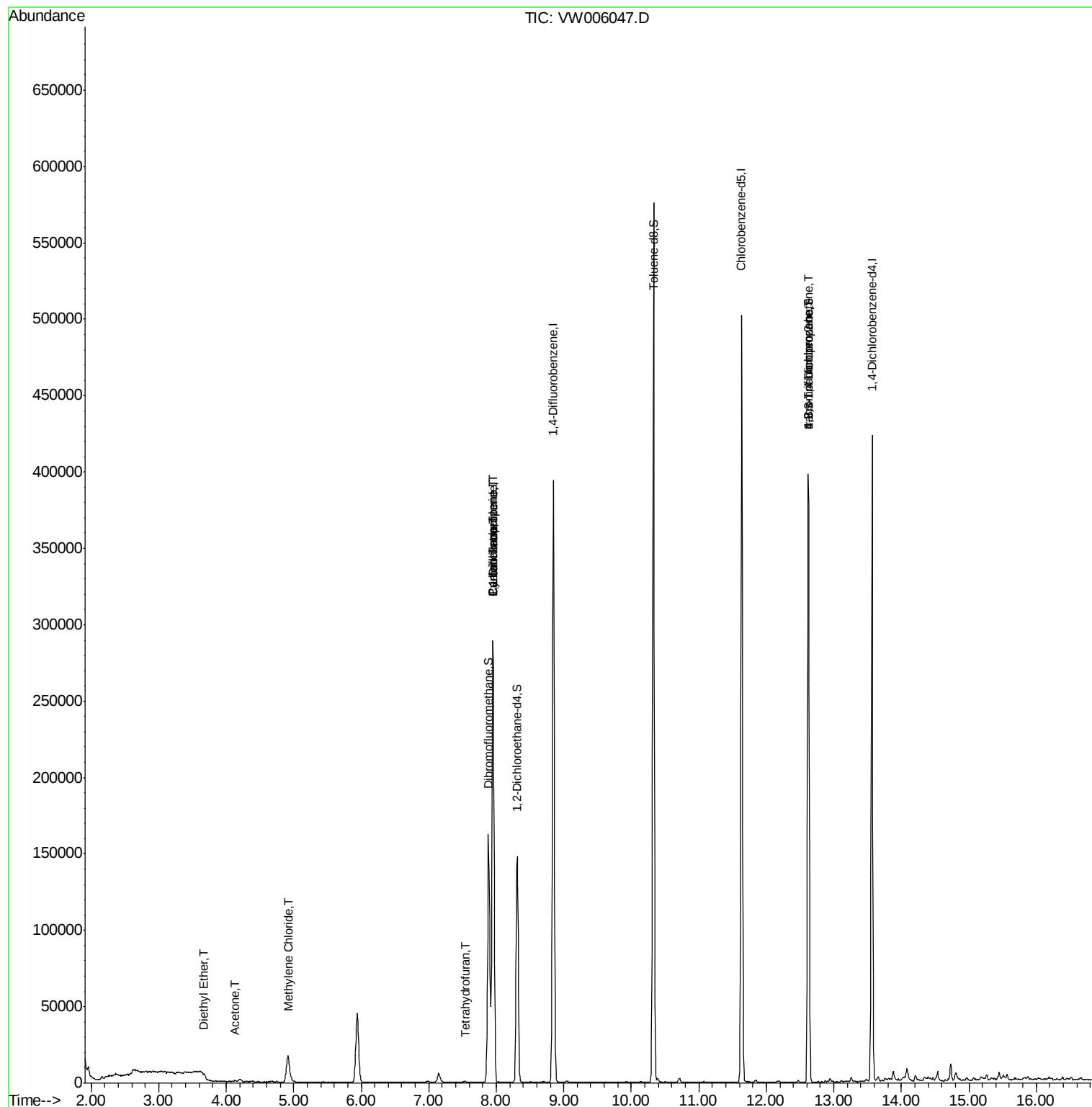
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	236637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	348299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	115794	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	115231	50.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.32%	
35) Dibromofluoromethane	7.89	113	112453	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
50) Toluene-d8	10.33	98	395284	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.62	95	120889	37.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.28%	
Target Compounds						
8) Diethyl Ether	3.68	74	2045	1.933	ug/l	91
16) Acetone	4.12	43	1330	2.899	ug/l #	88
20) Methylene Chloride	4.92	84	14922	6.491	ug/l	89
29) Tetrahydrofuran	7.54	42	455	1.103	ug/l #	60
31) Cyclohexane	7.96	56	4606	1.145	ug/l #	25
36) 1,1-Dichloropropene	7.95	75	15941	4.777	ug/l #	49
38) Carbon Tetrachloride	7.95	117	21233	5.922	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	61691	59.642	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	61691	125.910	ug/l #	11

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

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Quant Time: Oct 13 01:08:03 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 09 02:14:04 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: VW006047.D

Acq: 12 Oct 2018 14:07

Instrument :

MSVOA_W

ClientSampleId :

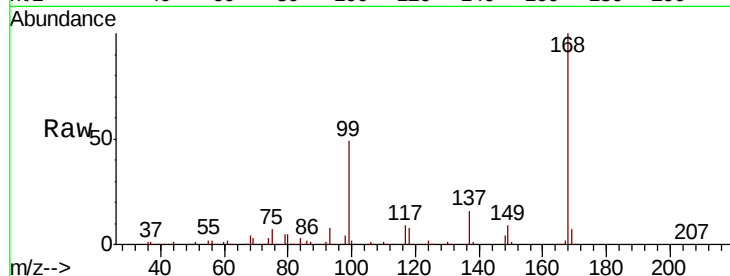
TR-04-101118

Tgt Ion:168 Resp: 236637

Ion Ratio Lower Upper

168 100

99 48.9 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

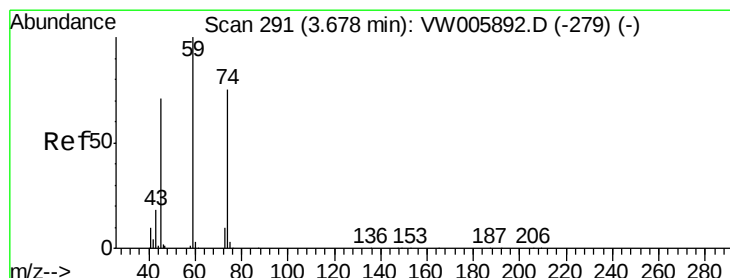
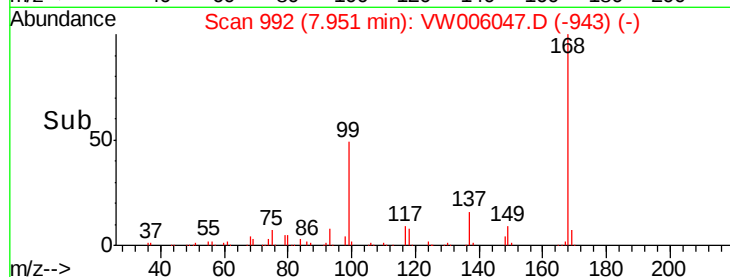
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.933 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW006047.D

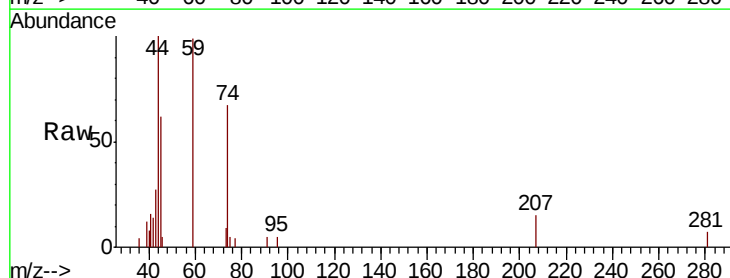
Acq: 12 Oct 2018 14:07

Tgt Ion: 74 Resp: 2045

Ion Ratio Lower Upper

74 100

45 102.3 46.8 140.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

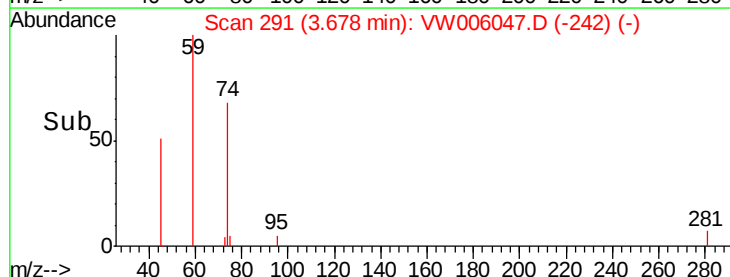
600

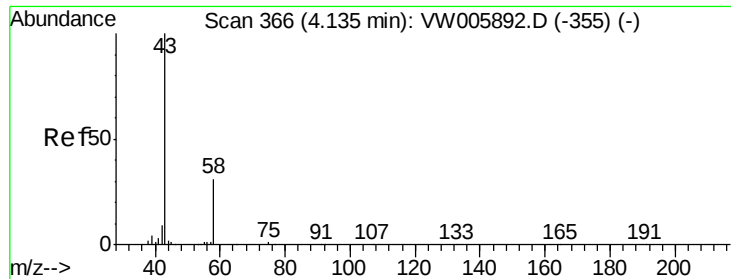
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 2.899 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

Instrument :

MSVOA_W

ClientSampleId :

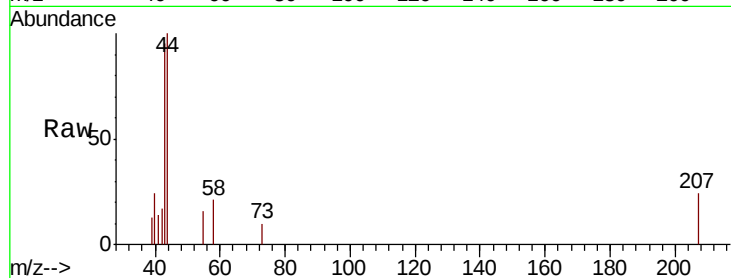
TR-04-101118

Tgt Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

58 24.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

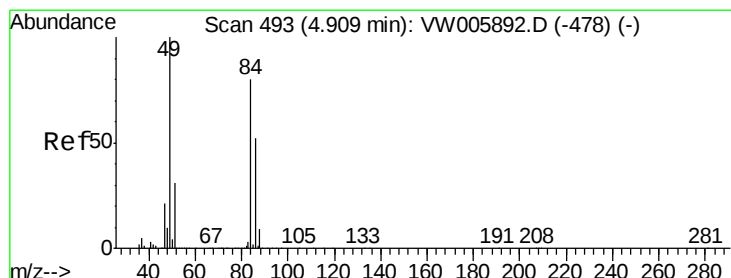
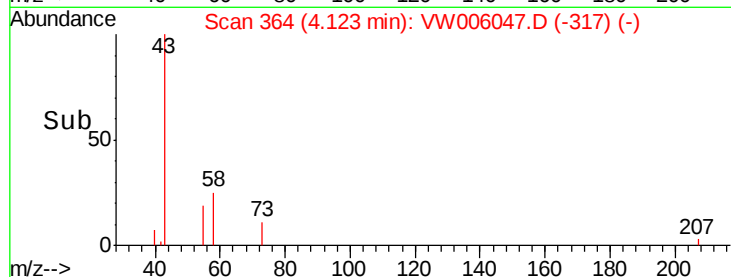
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 6.491 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

Tgt Ion: 84 Resp: 14922

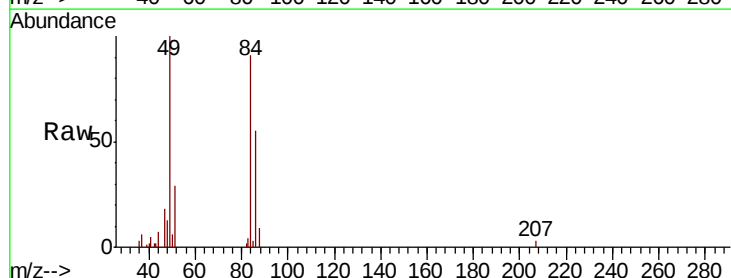
Ion Ratio Lower Upper

84 100

49 109.7 99.9 149.9

51 32.2 31.1 46.7

86 60.8 51.8 77.6



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

8000

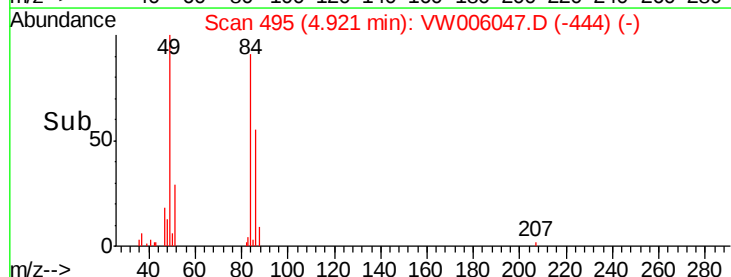
6000

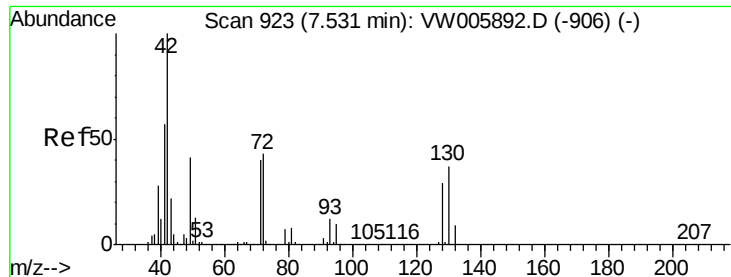
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 1.103 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

Instrument :

MSVOA_W

ClientSampleId :

TR-04-101118

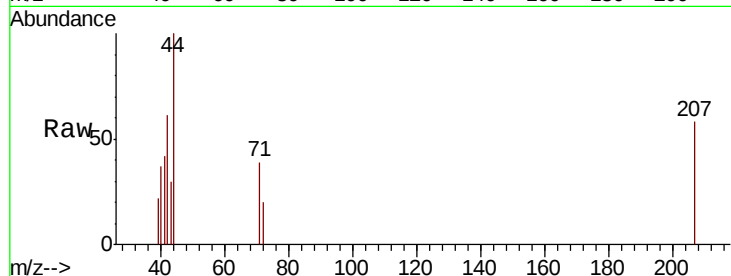
Tgt Ion: 42 Resp: 455

Ion Ratio Lower Upper

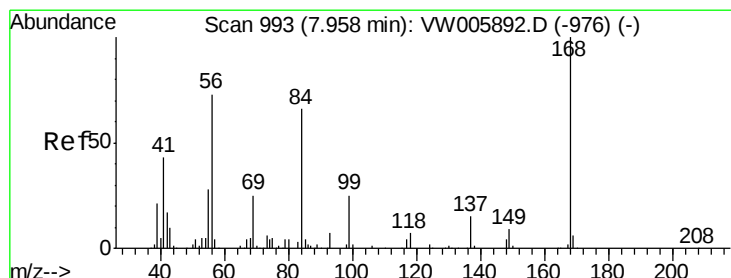
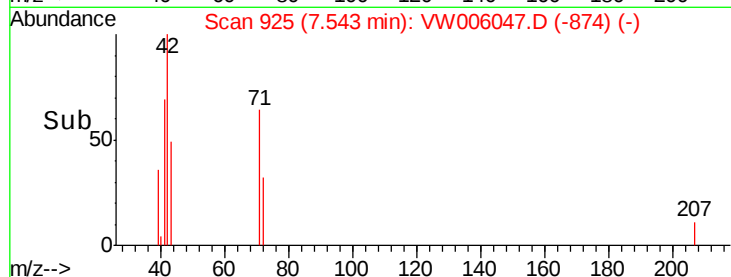
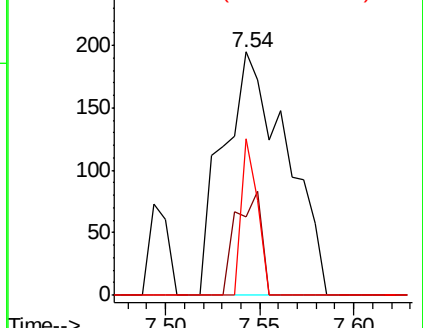
42 100

72 17.1 34.6 51.8#

71 16.3 32.6 49.0#



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: 1.145 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

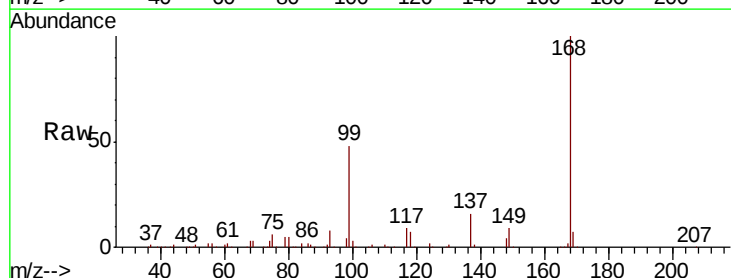
Tgt Ion: 56 Resp: 4606

Ion Ratio Lower Upper

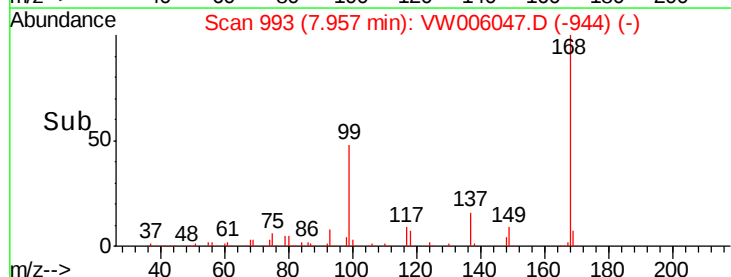
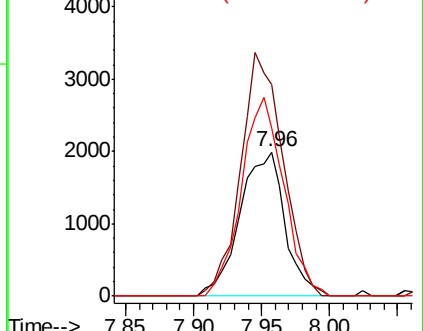
56 100

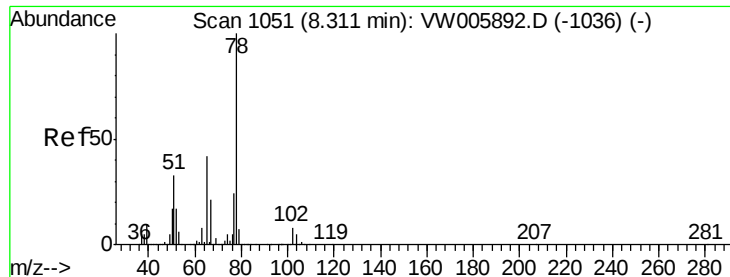
69 147.6 27.9 41.9#

84 117.1 72.3 108.5#



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

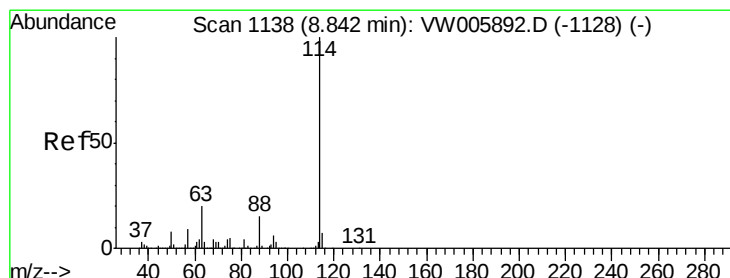
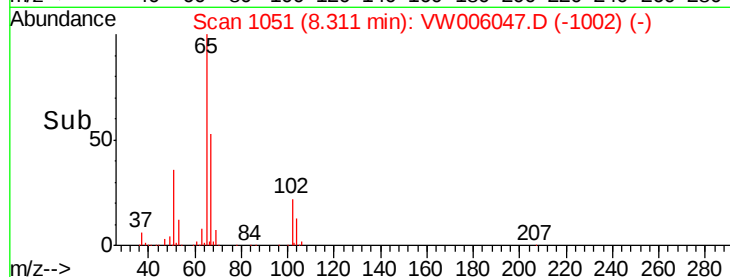
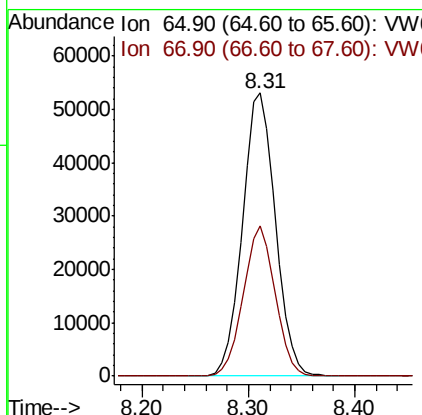
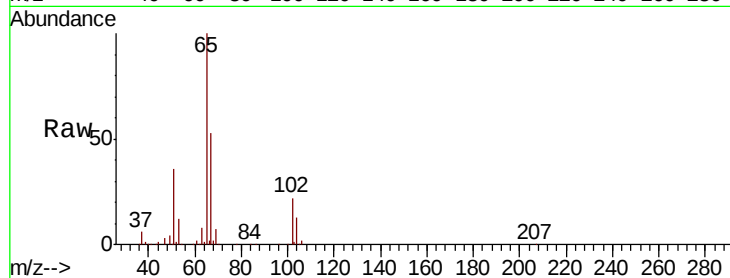




#33
 1,2-Dichloroethane-d4
 Concen: 50.161 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006047.D
 Acq: 12 Oct 2018 14:07

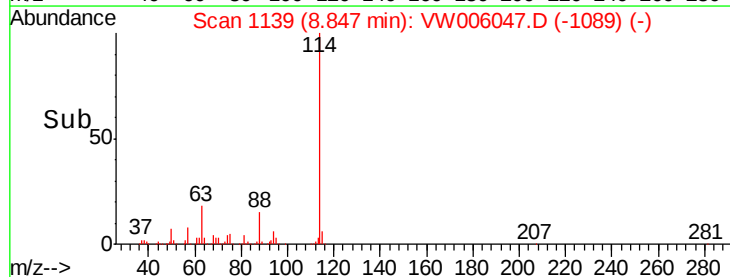
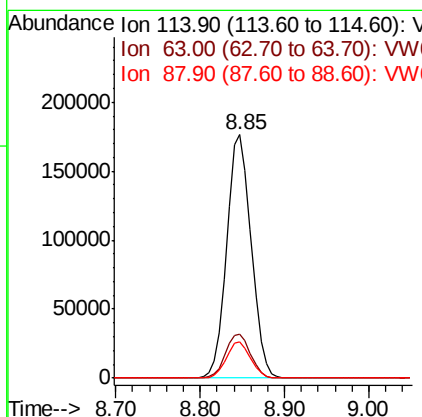
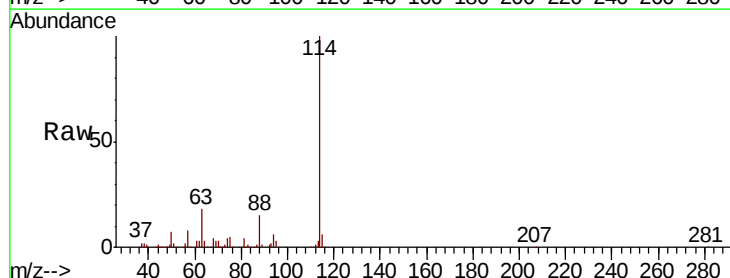
Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-101118

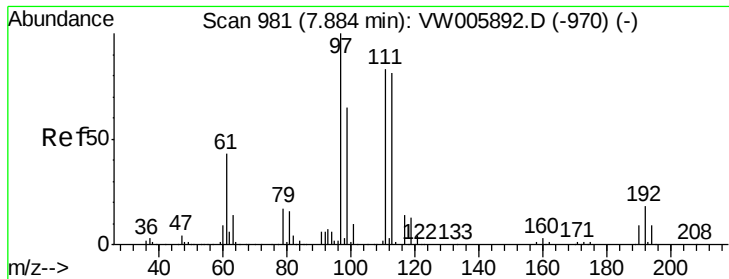
Tgt Ion: 65 Resp: 115231
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006047.D
 Acq: 12 Oct 2018 14:07

Tgt Ion: 114 Resp: 348299
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 39.2
 88 14.8 0.0 30.8

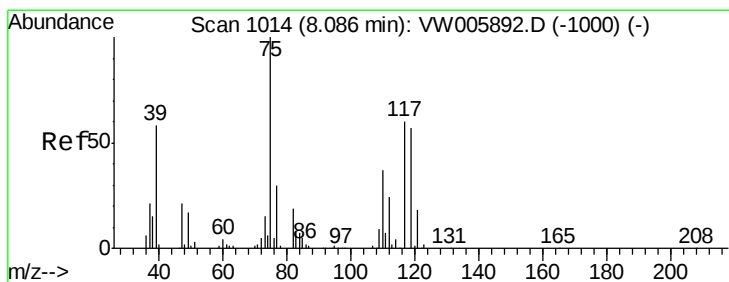
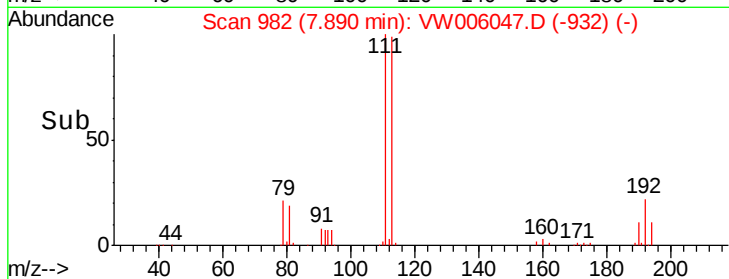
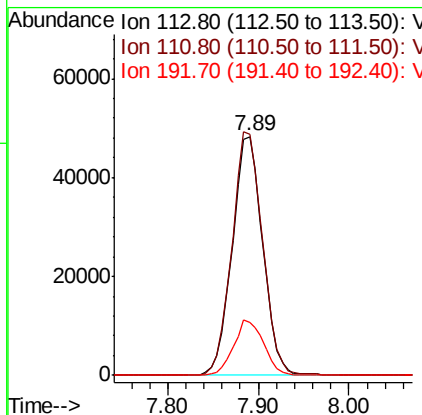
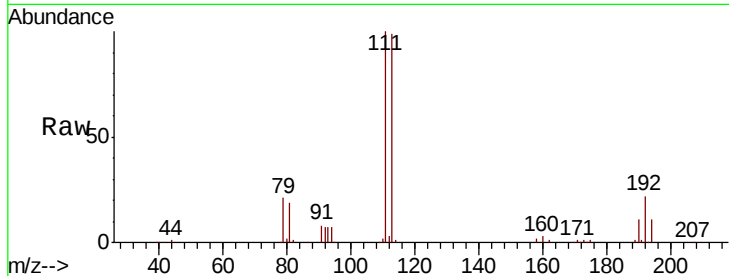




#35
 Dibromofluoromethane
 Concen: 50.569 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW006047.D
 Acq: 12 Oct 2018 14:07

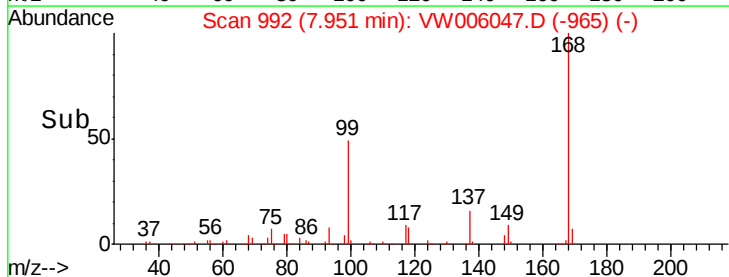
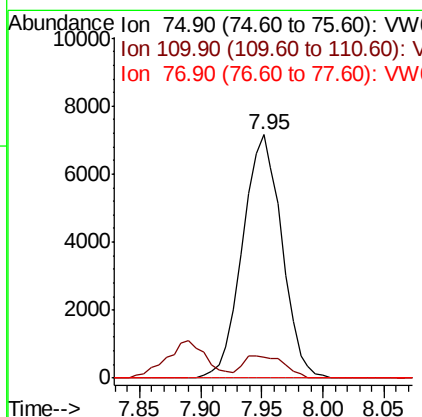
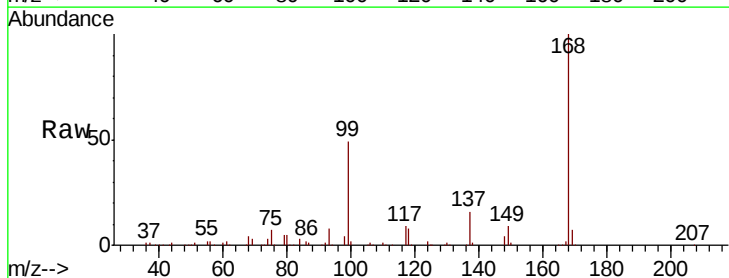
Instrument :
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 ClientSampleId :
 TR-04-101118

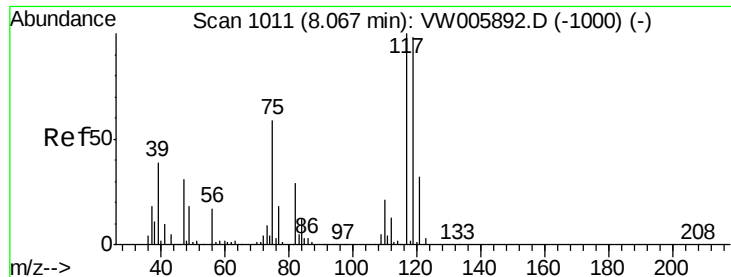
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	22.9	18.3	27.5



#36
 1,1-Dichloropropene
 Concen: 4.777 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006047.D
 Acq: 12 Oct 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.6	56.0#
77	0.0	24.7	37.1#

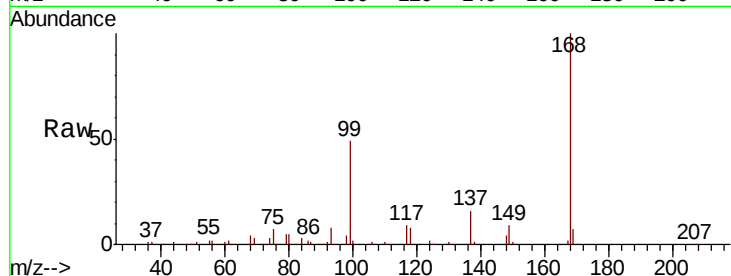




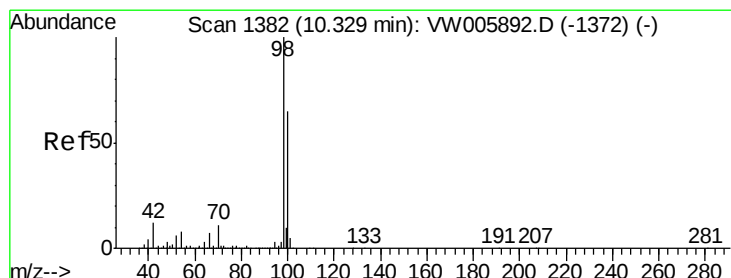
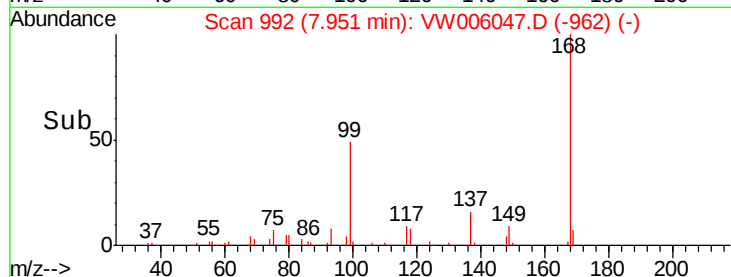
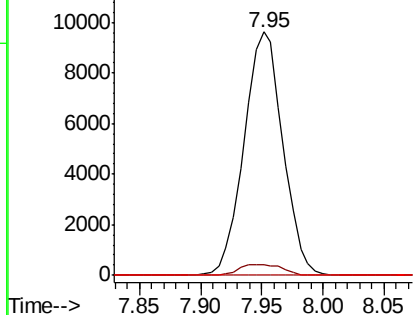
#38
Carbon Tetrachloride
Concen: 5.922 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006047.D
Acq: 12 Oct 2018 14:07

Instrument :
MSVOA_W
ClientSampleId :
TR-04-101118

Tgt Ion:117 Resp: 21233
Ion Ratio Lower Upper
117 100
119 4.1 78.6 117.8#
121 0.0 25.3 37.9#

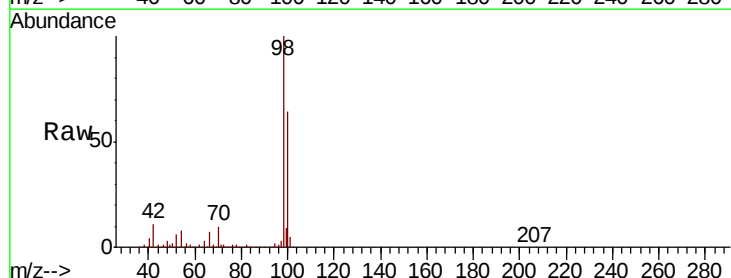


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

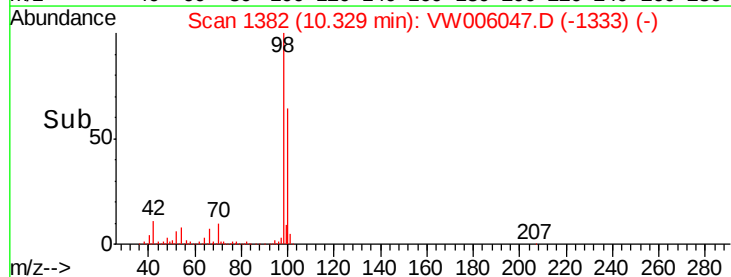
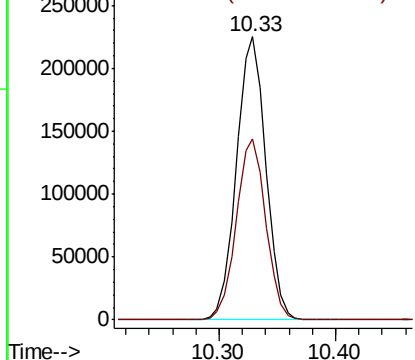


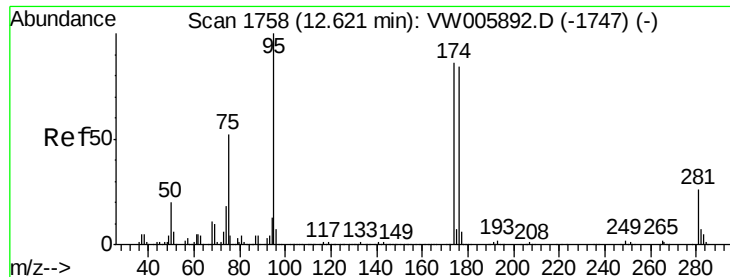
#50
Toluene-d8
Concen: 46.201 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006047.D
Acq: 12 Oct 2018 14:07

Tgt Ion: 98 Resp: 395284
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 37.138 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

Instrument :

MSVOA_W

ClientSampleId :

TR-04-101118

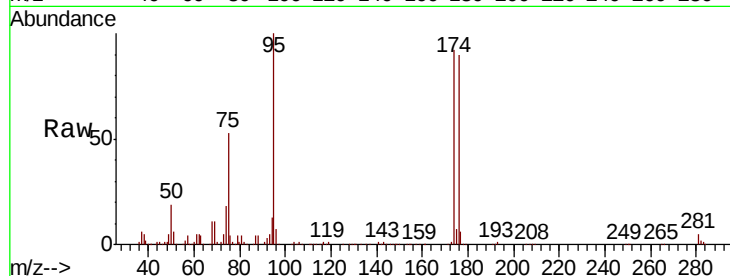
Tgt Ion: 95 Resp: 120889

Ion Ratio Lower Upper

95 100

174 95.1 0.0 176.4

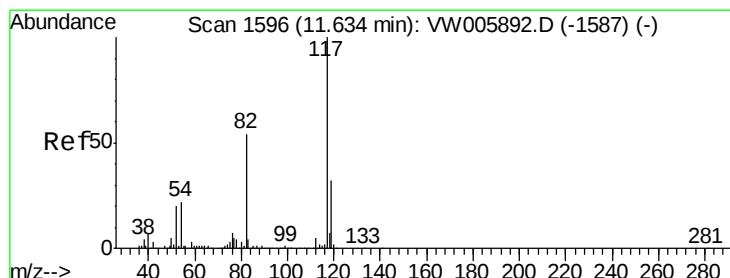
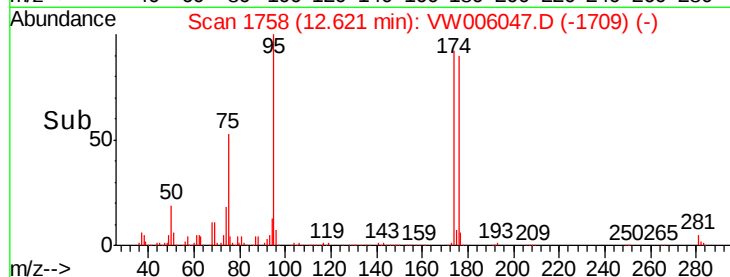
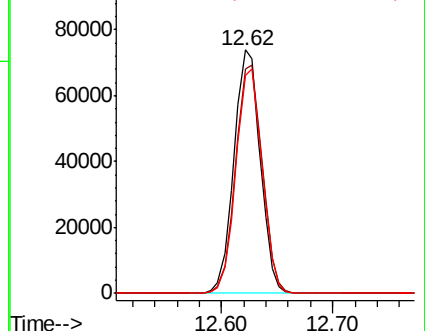
176 92.1 0.0 173.0



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: VW006047.D

Acq: 12 Oct 2018 14:07

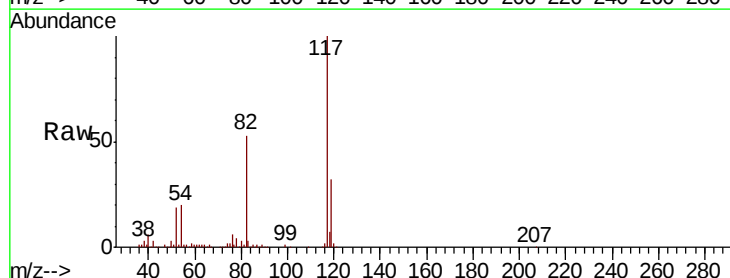
Tgt Ion: 117 Resp: 288665

Ion Ratio Lower Upper

117 100

82 52.7 43.5 65.3

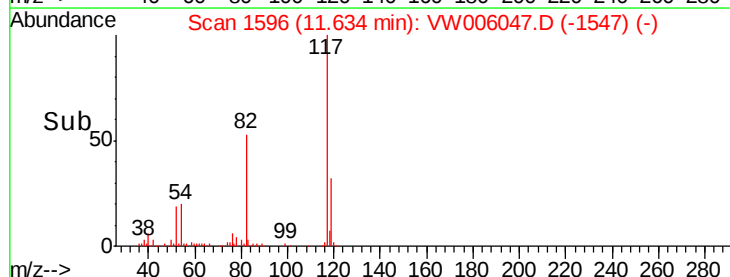
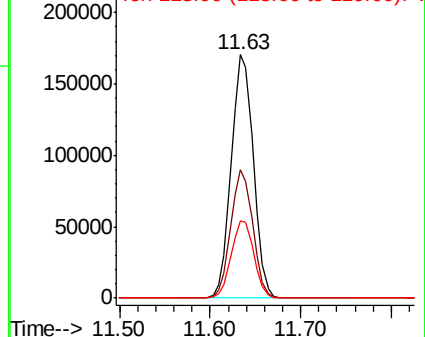
119 32.0 25.4 38.2

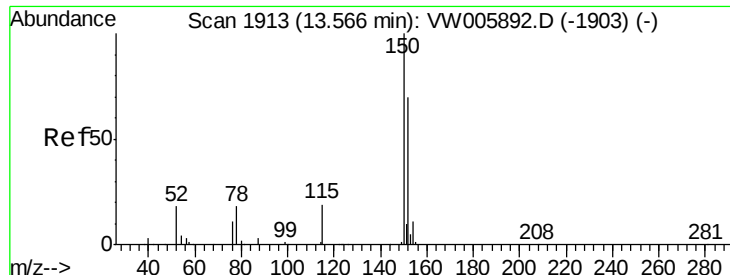


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



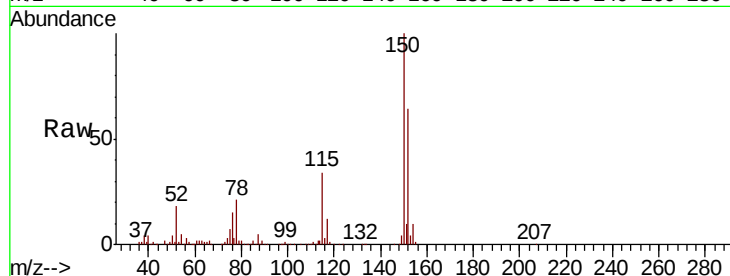


#72

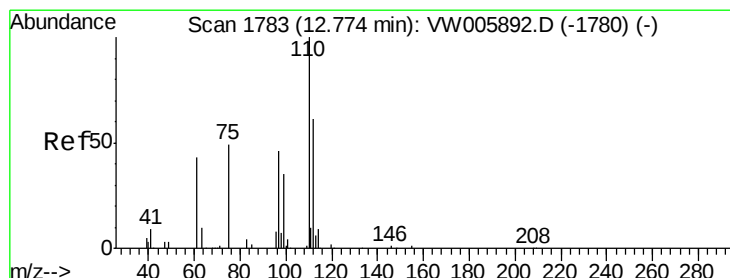
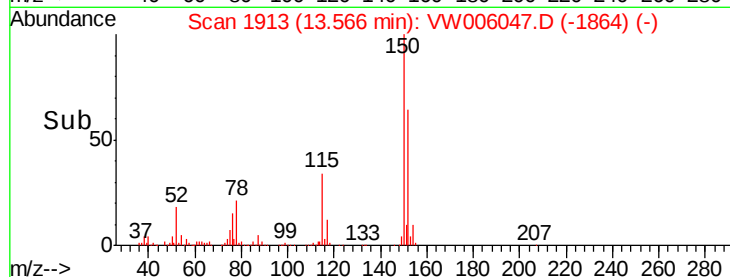
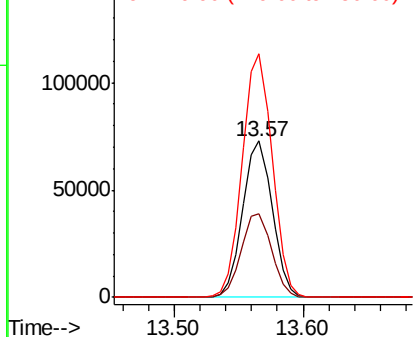
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006047.D
Acq: 12 Oct 2018 14:07

Instrument :
MSVOA_W
ClientSampleId :
TR-04-101118

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.3	85.0
150	157.4	0.0	349.2



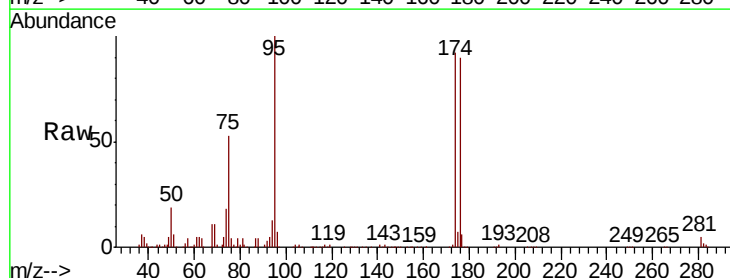
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



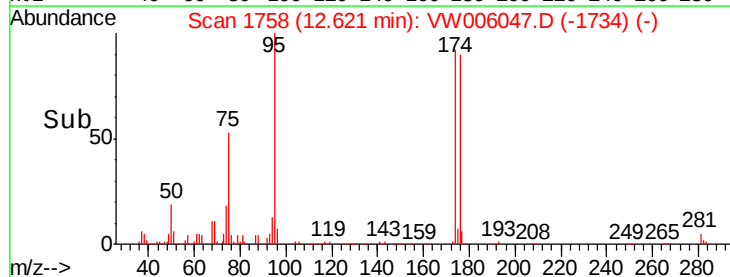
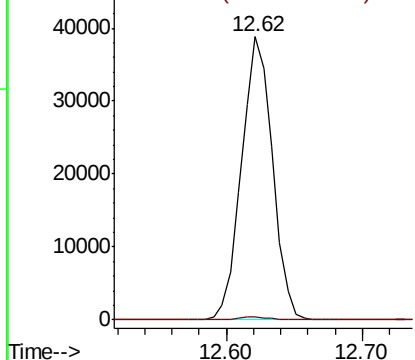
#76

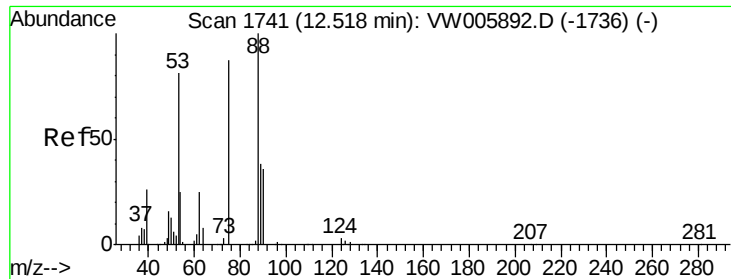
1,2,3-Trichloropropane
Concen: 59.642 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW006047.D
Acq: 12 Oct 2018 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 125.910 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006047.D

Acq: 12 Oct 2018 14:07

Instrument :

MSVOA_W

ClientSampleId :

TR-04-101118

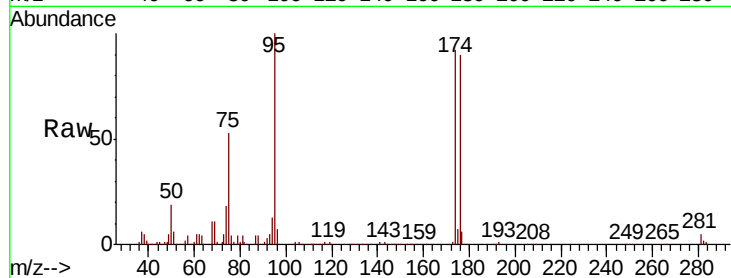
Tgt Ion: 75 Resp: 61691

Ion Ratio Lower Upper

75 100

53 0.0 76.5 114.7#

89 0.0 37.6 56.4#



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

