

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\
 Data File : VW006730.D
 Acq On : 07 Nov 2018 11:57
 Operator : SY/AP
 Sample : J5816-11RE
 Misc : 5.85G/5ML/MSVOA W/SOIL
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 12:32:53 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

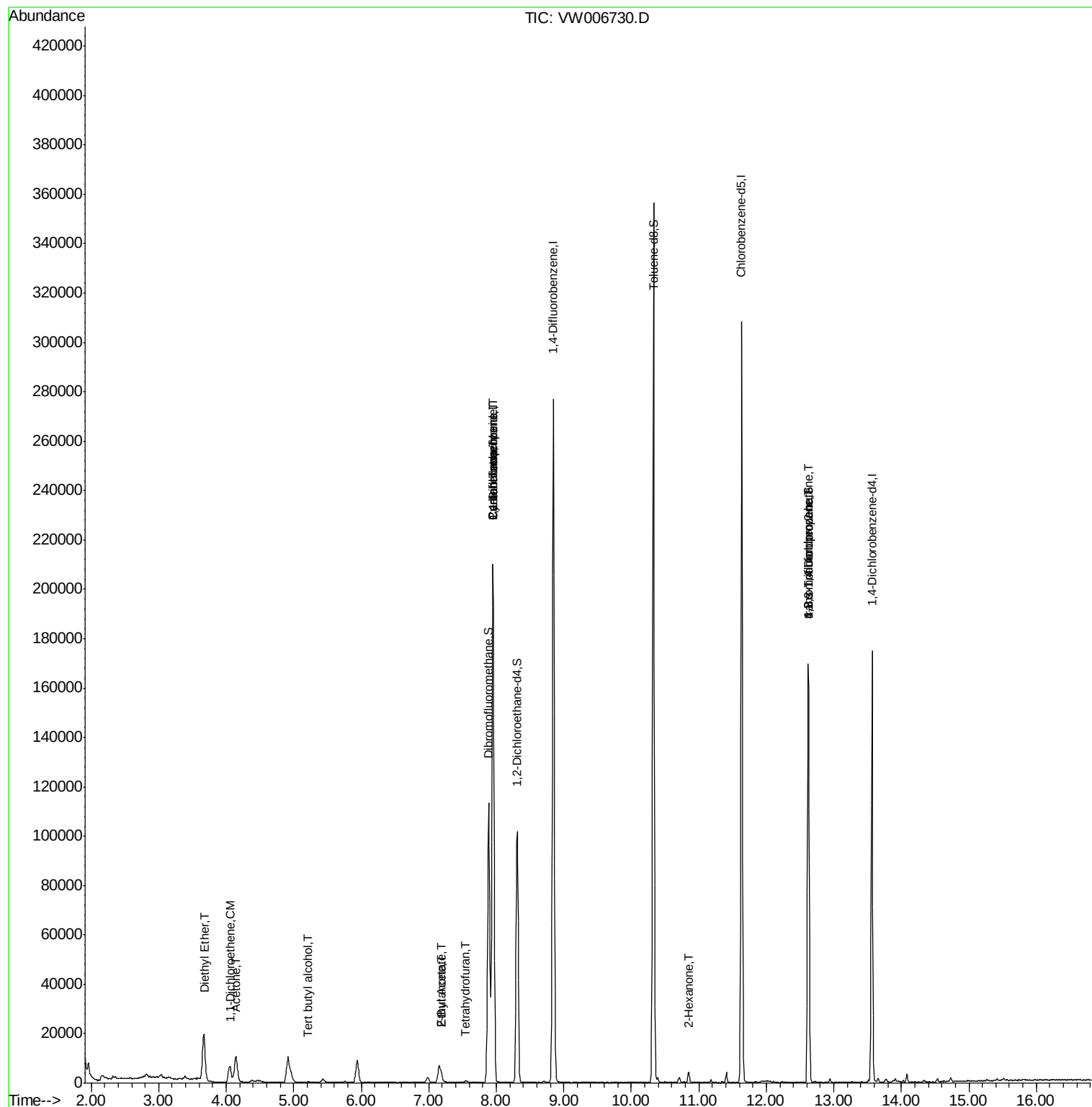
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	172210	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	251412	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	178069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	50061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	81385	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	7.89	113	79978	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.33	98	245339	40.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.70%	
62) 4-Bromofluorobenzene	12.62	95	52691	24.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1142	1.534	ug/l #	1
11) Tert butyl alcohol	5.21	59	442	5.542	ug/l #	84
12) 1,1-Dichloroethene	4.05	96	4998	3.558	ug/l	97
16) Acetone	4.15	43	20748	86.814	ug/l	97
20) Methylene Chloride	4.92	84	7776	Below Cal		93
25) 2-Butanone	7.19	43	4611	13.521	ug/l #	82
29) Tetrahydrofuran	7.56	42	392	1.827	ug/l #	62
31) Cyclohexane	7.95	56	3183	1.350	ug/l #	4
36) 1,1-Dichloropropene	7.95	75	10406	4.707	ug/l #	48
37) Ethyl Acetate	7.19	43	4611	6.018	ug/l #	66
38) Carbon Tetrachloride	7.95	117	14993	6.490	ug/l #	17
59) 2-Hexanone	10.85	43	1556	2.918	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	26118	66.868	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26118	166.615	ug/l #	11

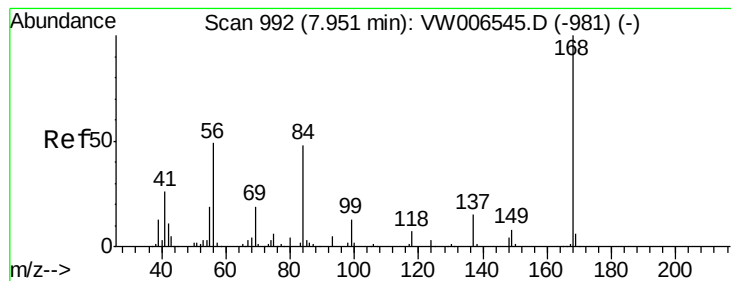
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

Instrument :

MSVOA_W

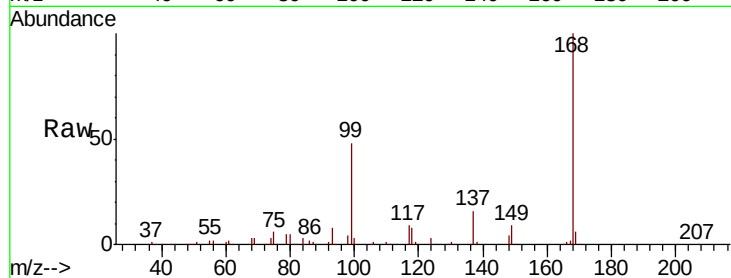
ClientSampled :

Tot Ion:168 Resp: 172210

Ion Ratio Lower Upper

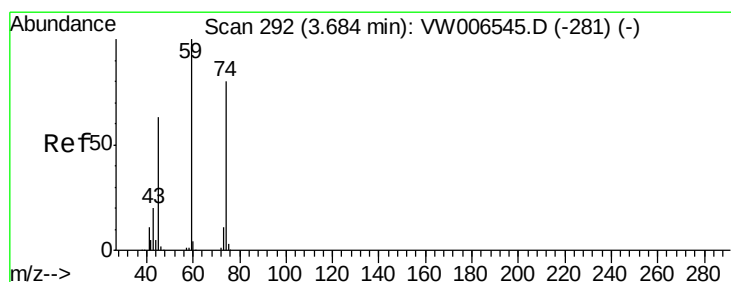
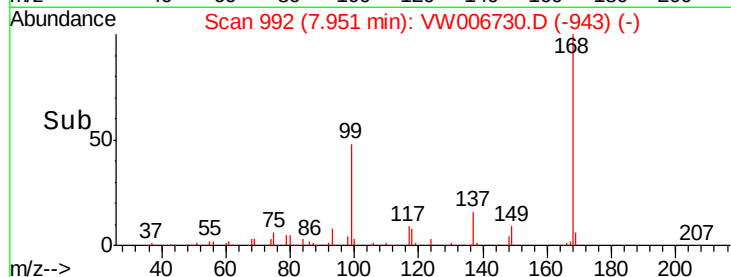
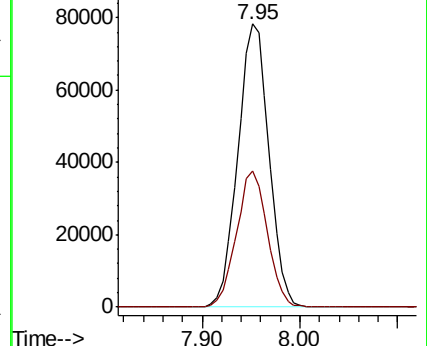
168 100

99 48.0 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.534 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW006730.D

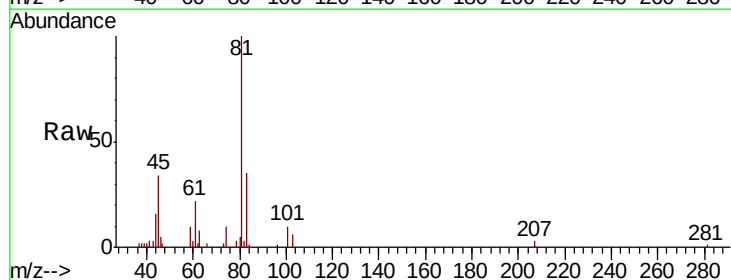
Acq: 07 Nov 2018 11:57

Tgt Ion: 74 Resp: 1142

Ion Ratio Lower Upper

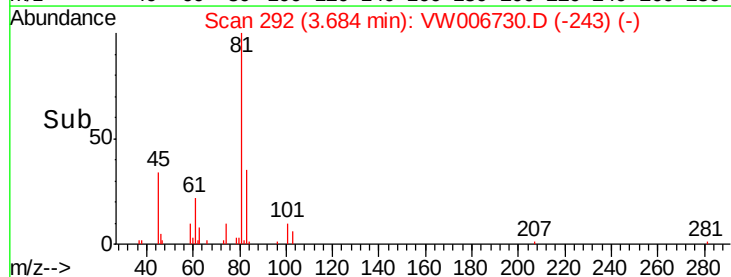
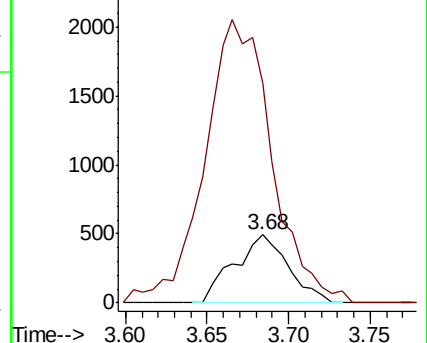
74 100

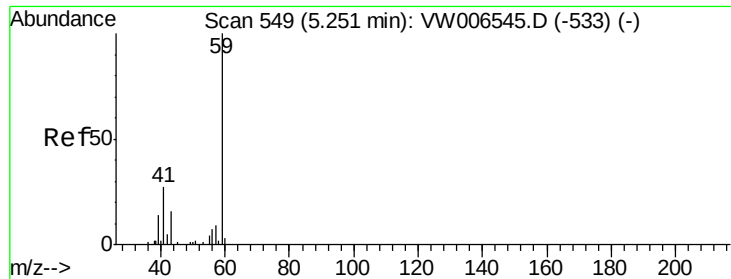
45 517.1 41.1 123.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

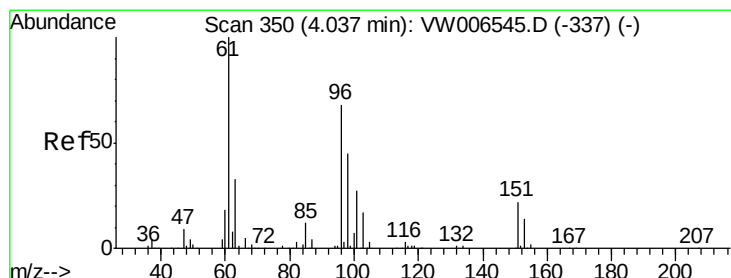
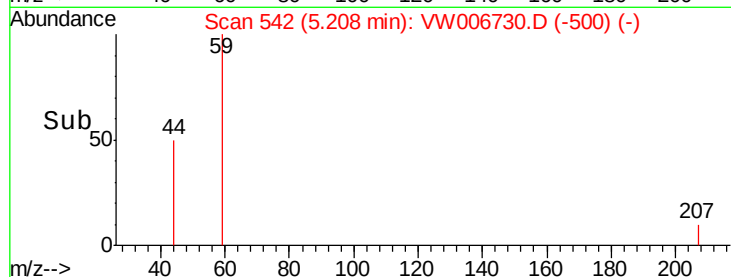
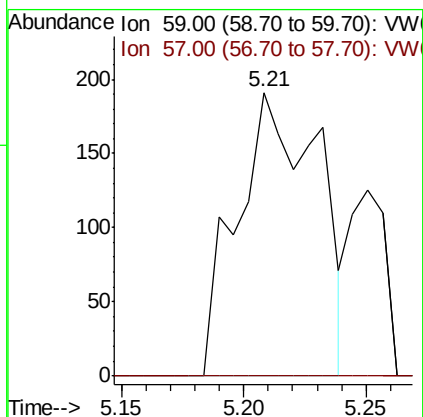
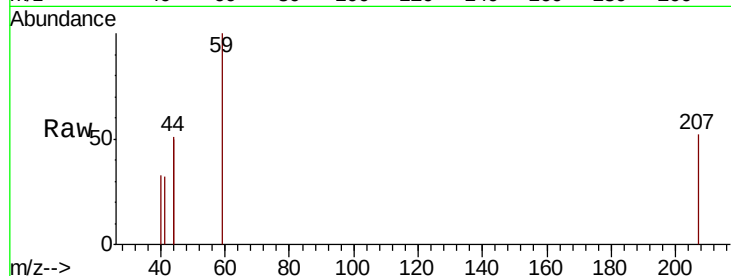




#11
Tert butyl alcohol
Concen: 5.542 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.04 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

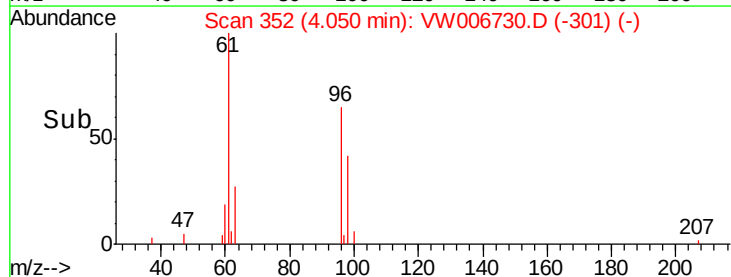
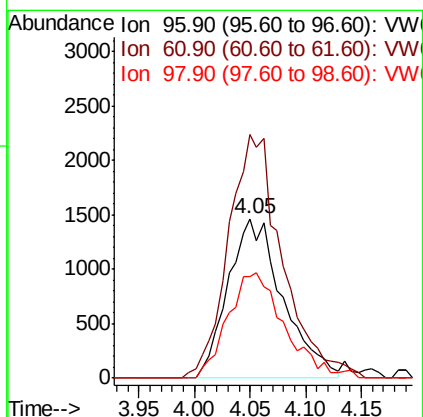
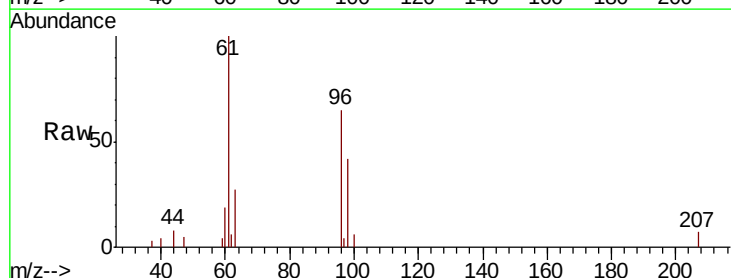
Instrument :
MSVOA_W
ClientSampled :

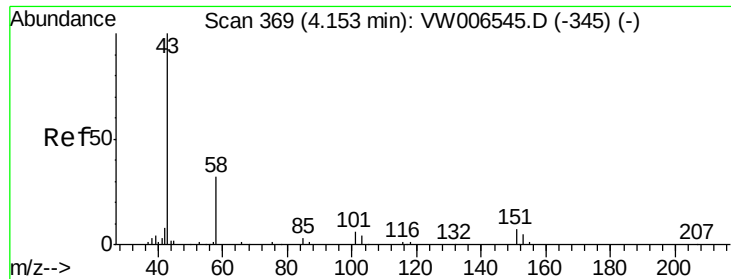
Tot Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#12
1,1-Dichloroethene
Concen: 3.558 ug/l
RT: 4.05 min Scan# 352
Delta R.T. 0.01 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

Tgt Ion: 96 Resp: 4998
Ion Ratio Lower Upper
96 100
61 149.4 117.0 175.4
98 63.7 52.5 78.7





#16

Acetone

Concen: 86.814 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

Instrument :

MSVOA_W

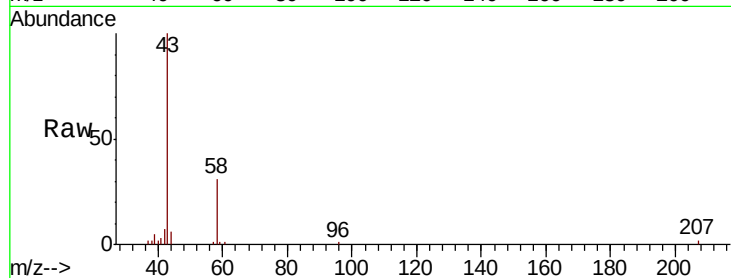
ClientSampleId :

Tot Ion: 43 Resp: 20748

Ion Ratio Lower Upper

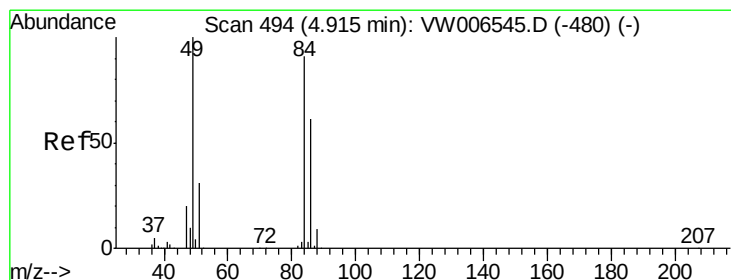
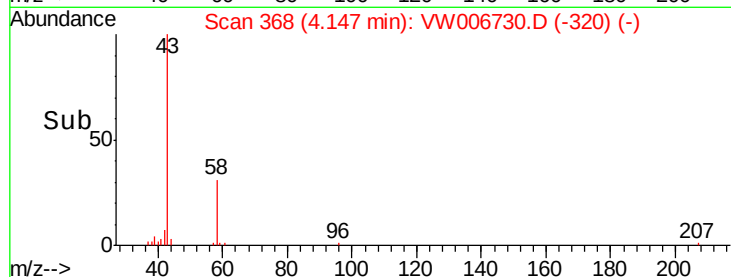
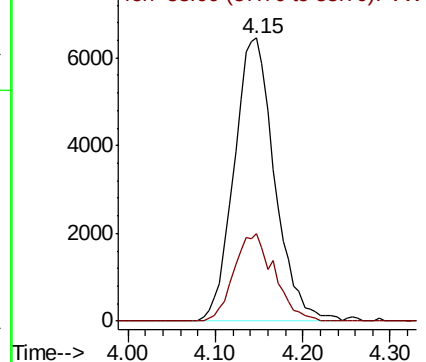
43 100

58 30.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

Tgt Ion: 84 Resp: 7776

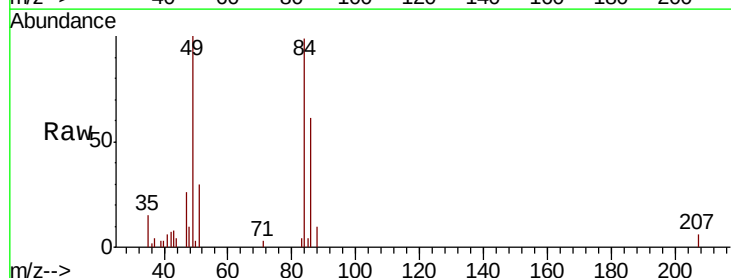
Ion Ratio Lower Upper

84 100

49 101.4 88.2 132.4

51 30.0 27.0 40.6

86 62.3 53.8 80.8

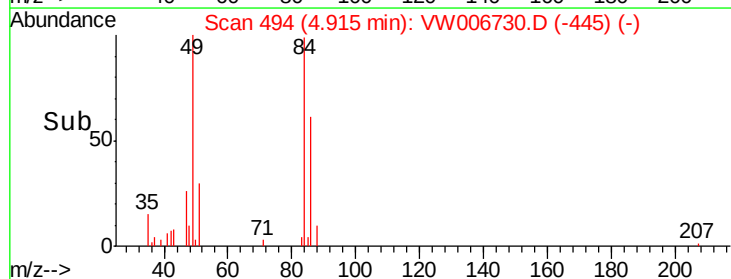
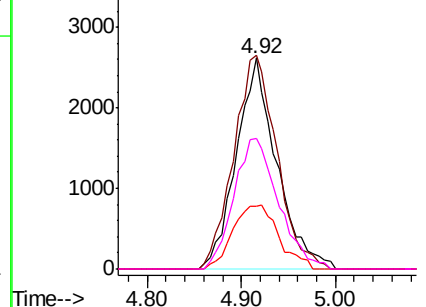


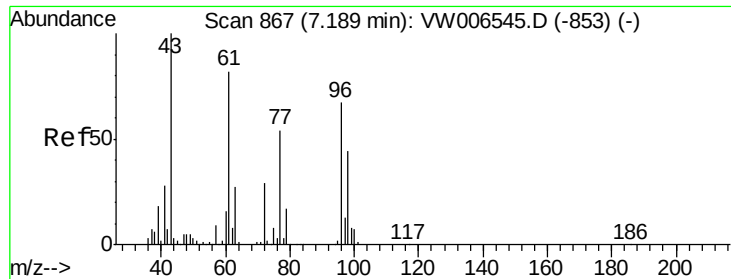
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 13.521 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.00 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

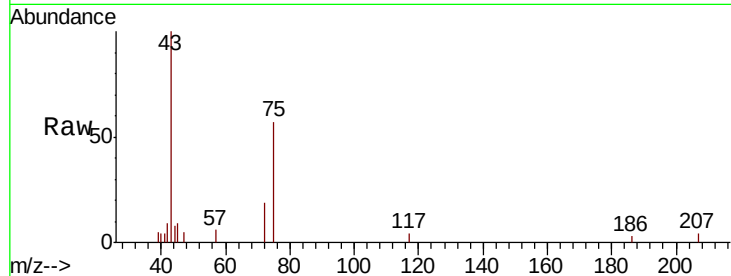
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4611

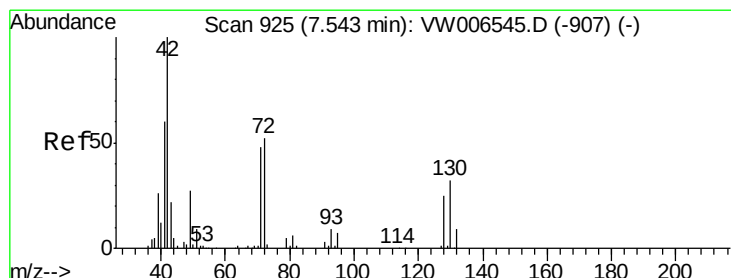
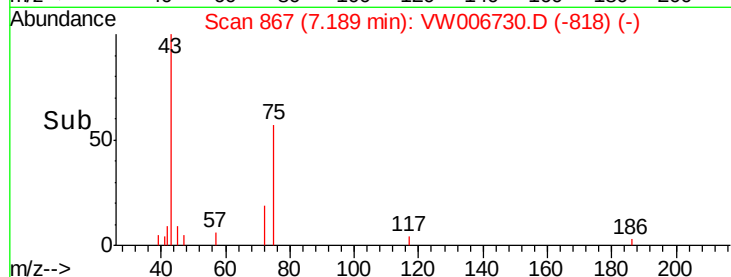
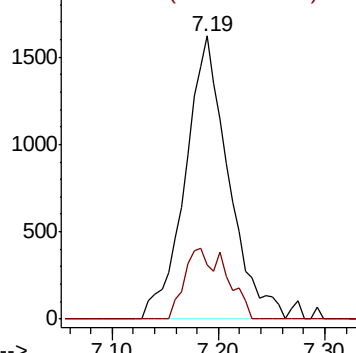
Ion Ratio Lower Upper

43 100

72 19.3 23.2 34.8#



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



#29

Tetrahydrofuran

Concen: 1.827 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.01 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

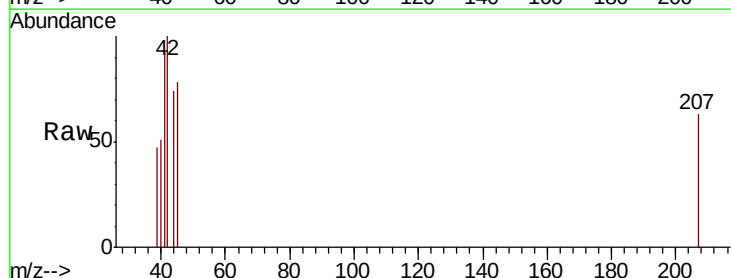
Tgt Ion: 42 Resp: 392

Ion Ratio Lower Upper

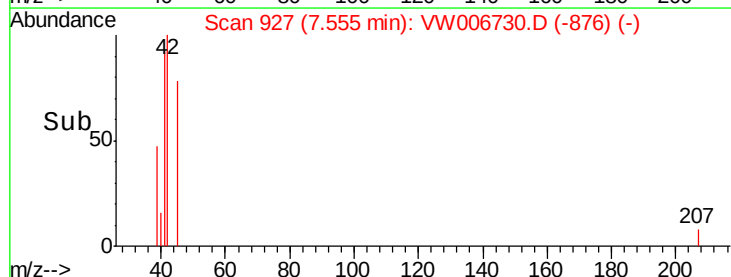
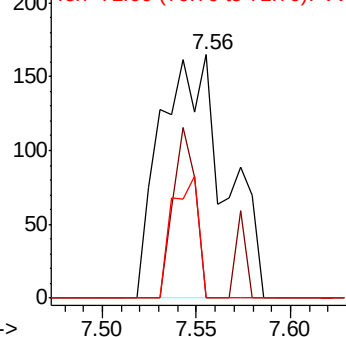
42 100

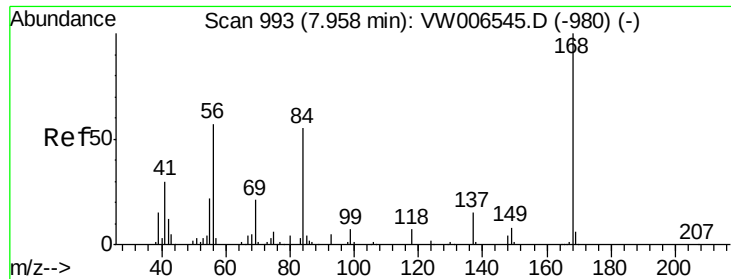
72 24.2 39.2 58.8#

71 20.4 37.6 56.4#



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

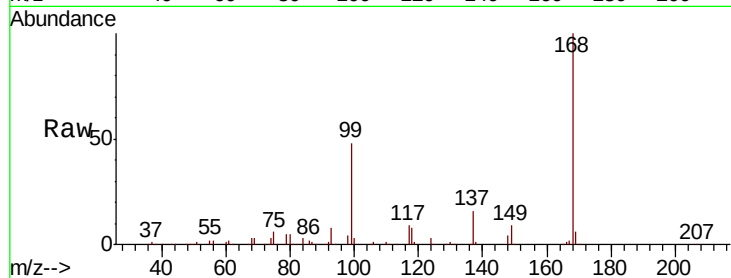




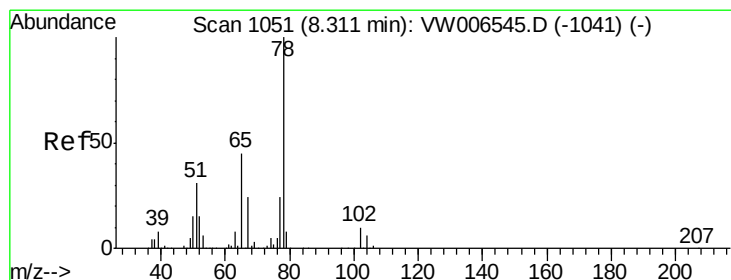
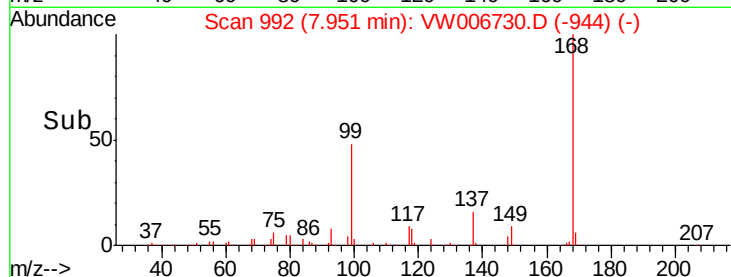
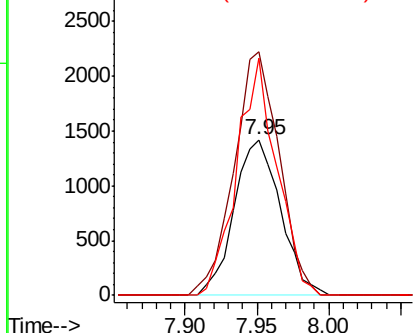
#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 3183
Ion Ratio Lower Upper
56 100
69 156.2 29.0 43.4#
84 152.3 77.8 116.6#

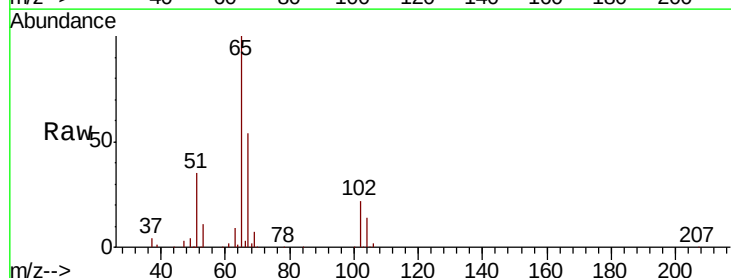


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

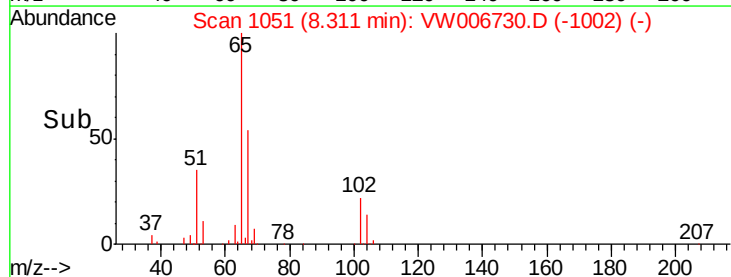
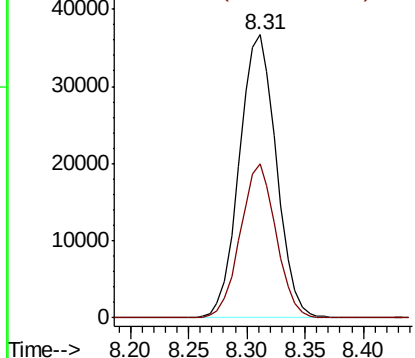


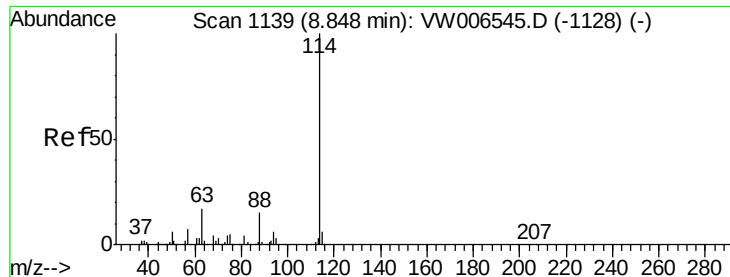
#33
1,2-Dichloroethane-d4
Concen: 54.978 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

Tgt Ion: 65 Resp: 81385
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4



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

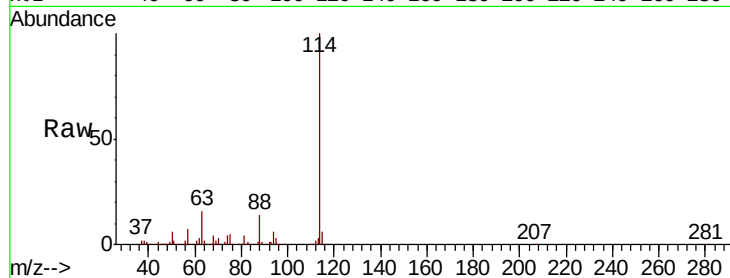




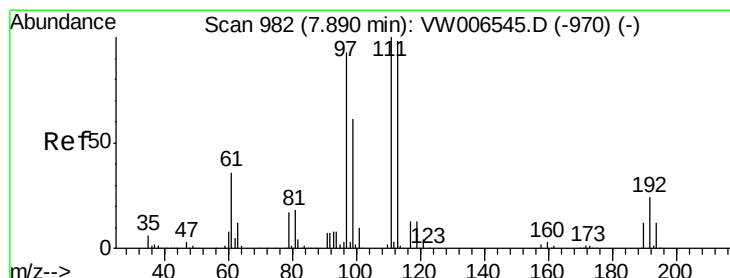
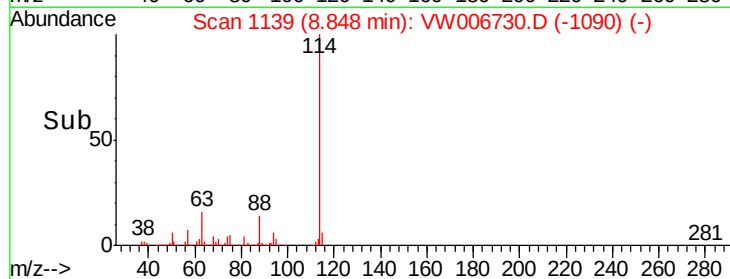
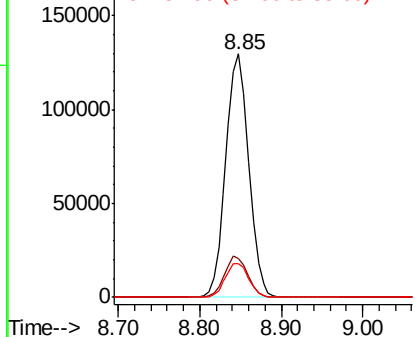
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006730.D
 Acq: 07 Nov 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 251412
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 34.4
 88 14.0 0.0 29.0

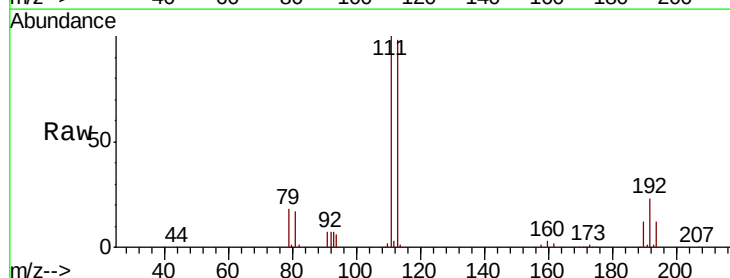


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

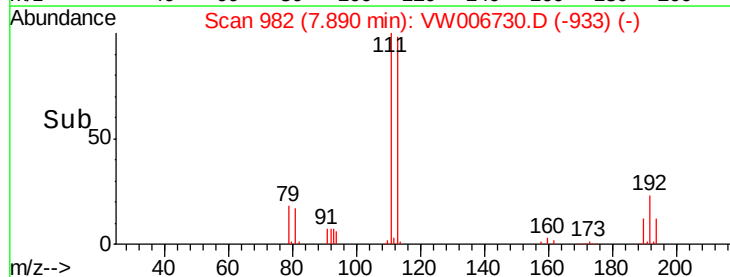
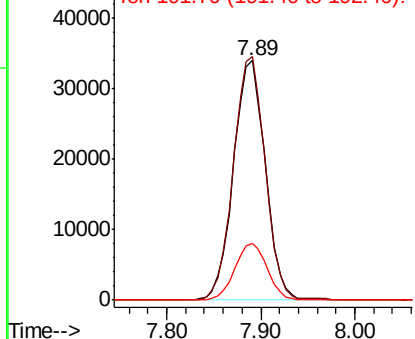


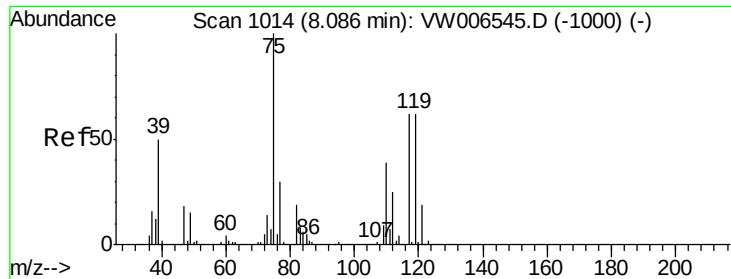
#35
 Dibromofluoromethane
 Concen: 50.689 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006730.D
 Acq: 07 Nov 2018 11:57

Tgt Ion:113 Resp: 79978
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.2 123.2
 192 23.9 19.0 28.6



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

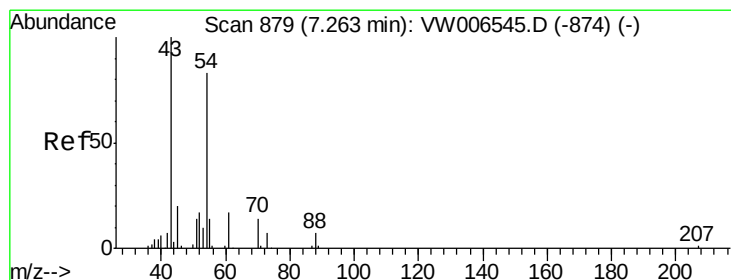
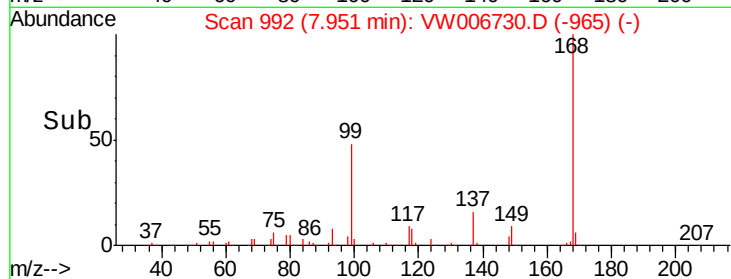
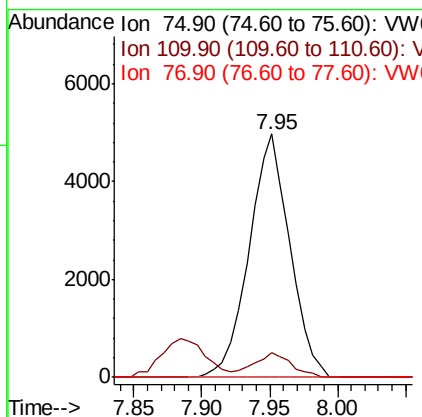
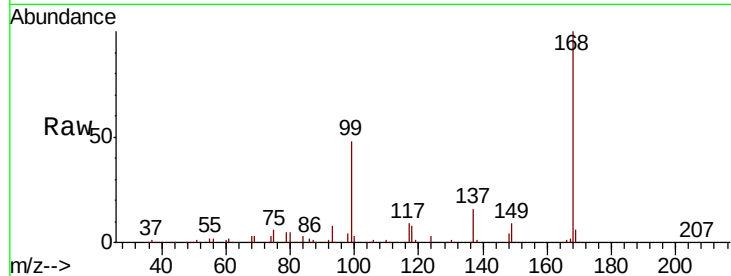




#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006730.D
 Acq: 07 Nov 2018 11:57

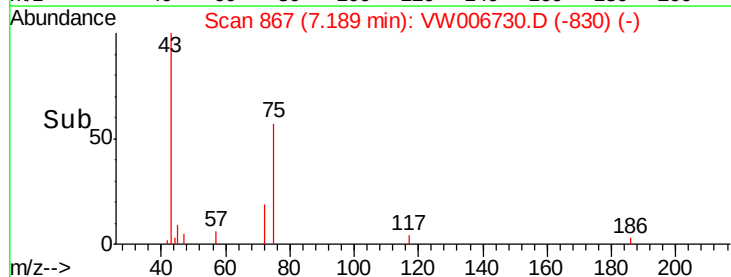
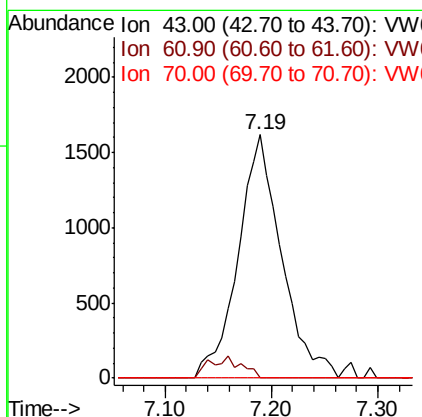
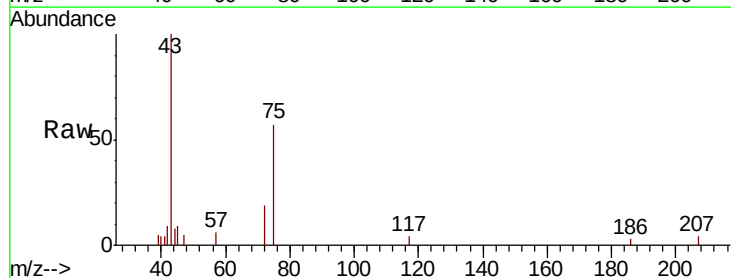
Instrument :
 MSVOA_W
 ClientSampleId :

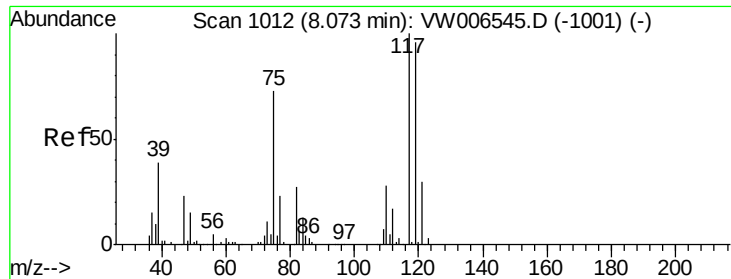
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.5	58.5#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 6.018 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW006730.D
 Acq: 07 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	9.8	14.6#





#38

Carbon Tetrachloride

Concen: 6.490 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

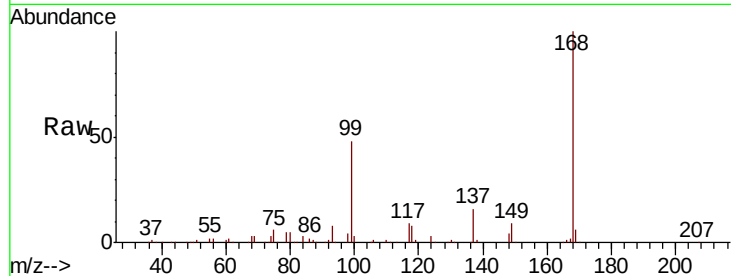
Tot Ion:117 Resp: 14993

Ion Ratio Lower Upper

117 100

119 5.8 76.3 114.5#

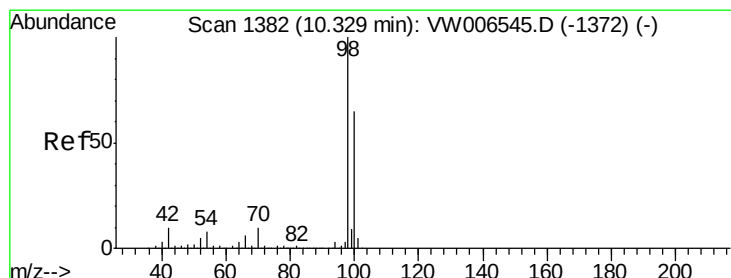
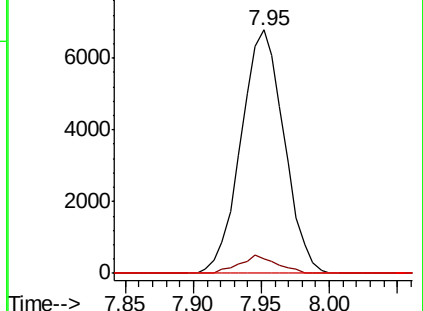
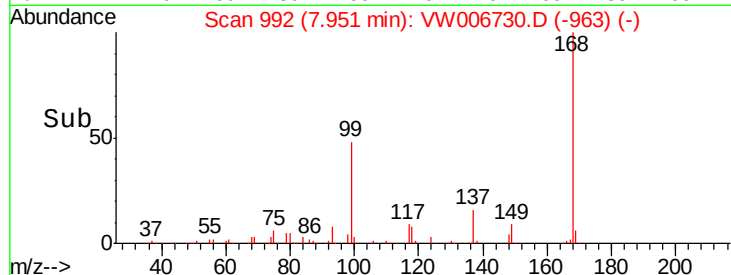
121 0.0 24.1 36.1#



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: 40.846 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006730.D

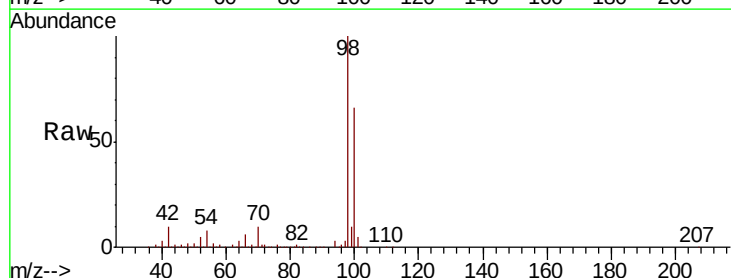
Acq: 07 Nov 2018 11:57

Tgt Ion: 98 Resp: 245339

Ion Ratio Lower Upper

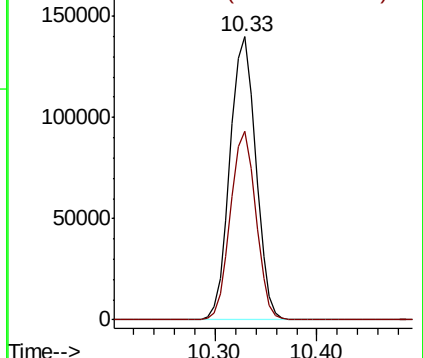
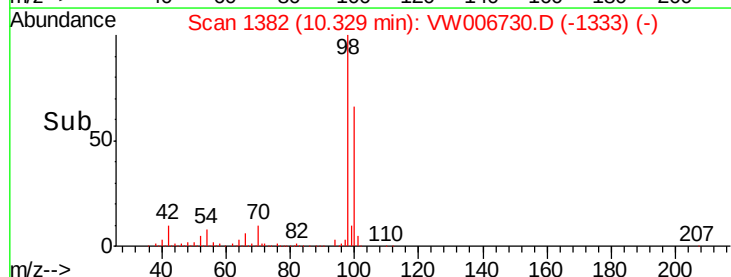
98 100

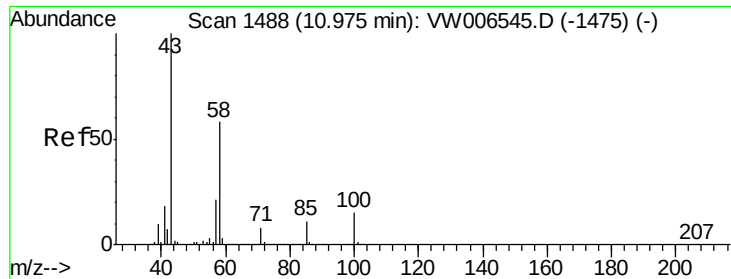
100 65.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

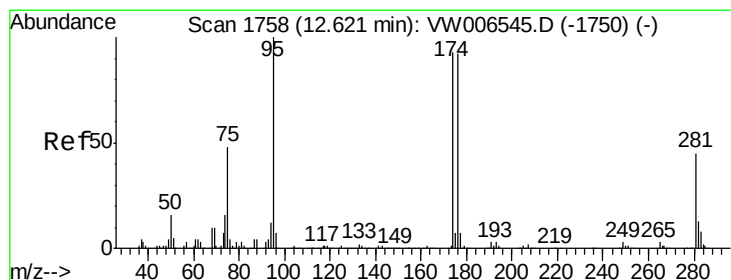
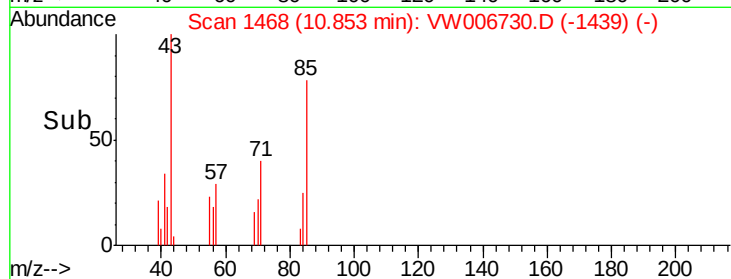
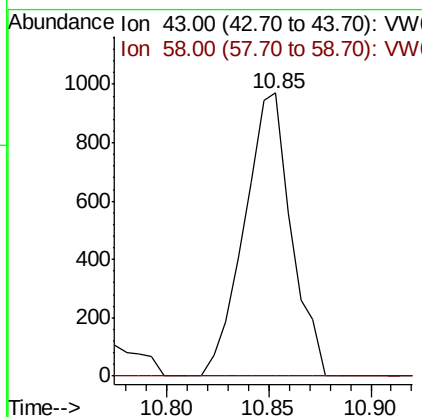
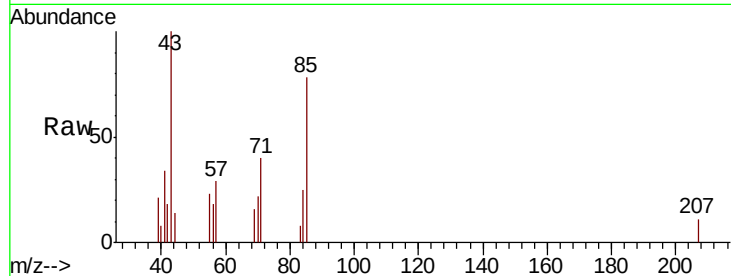




#59
2-Hexanone
Concen: 2.918 ug/l
RT: 10.85 min Scan# 1468
Delta R.T. -0.12 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

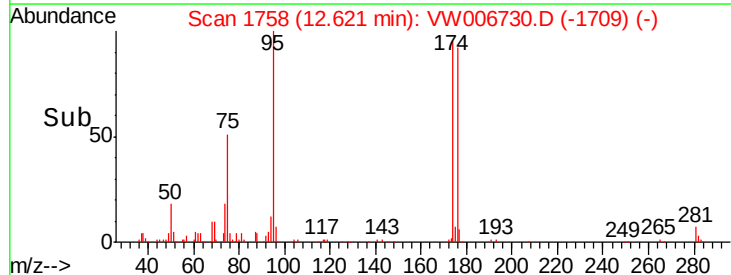
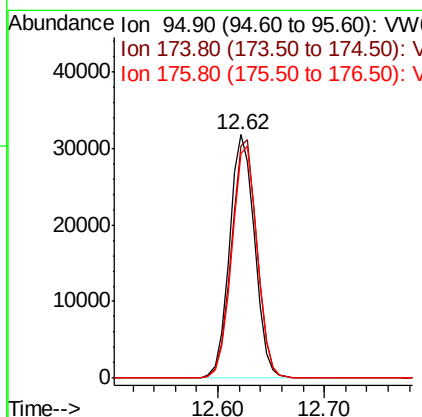
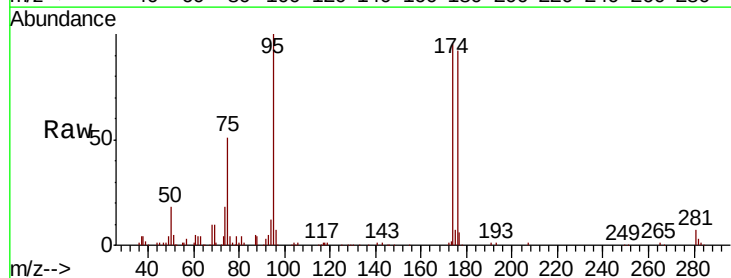
Instrument :
MSVOA_W
ClientSampled :

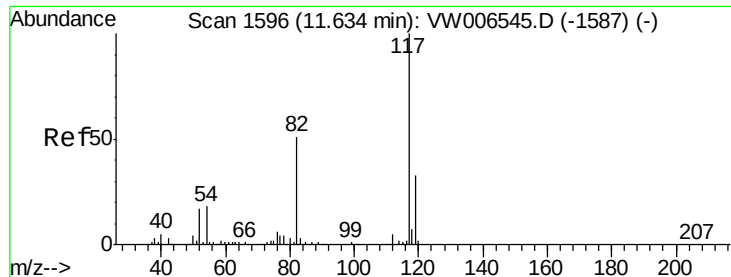
Tot Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
58 0.0 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 24.197 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

Tgt Ion: 95 Resp: 52691
Ion Ratio Lower Upper
95 100
174 99.4 0.0 192.4
176 96.4 0.0 187.4

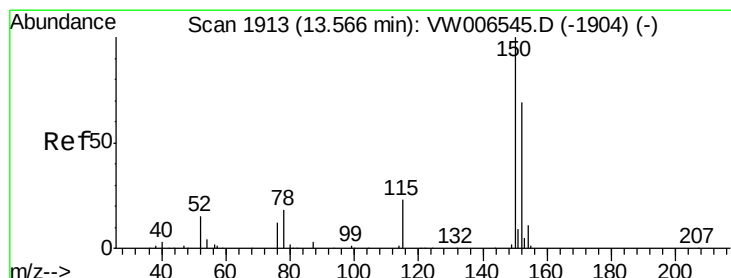
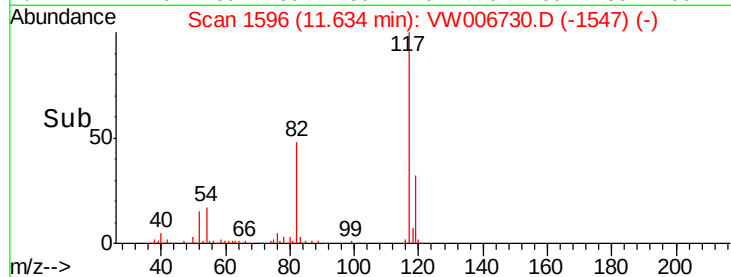
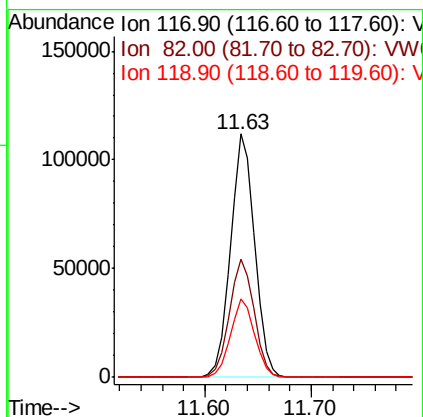
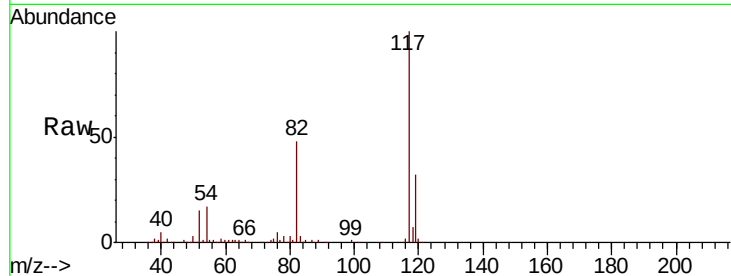




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

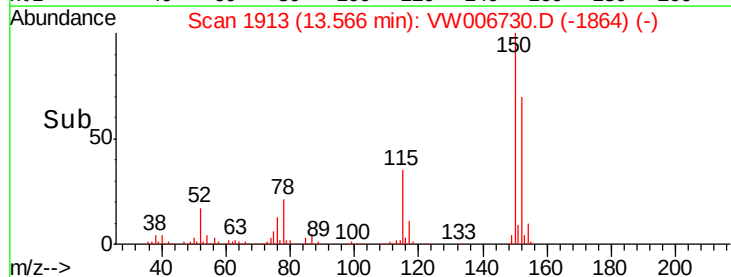
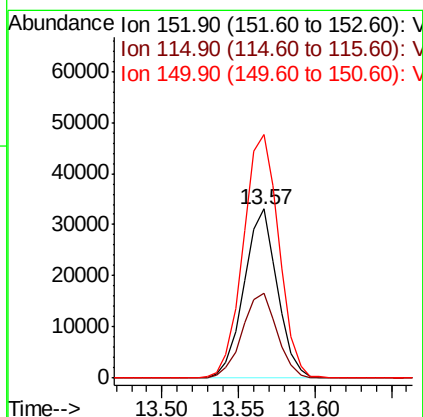
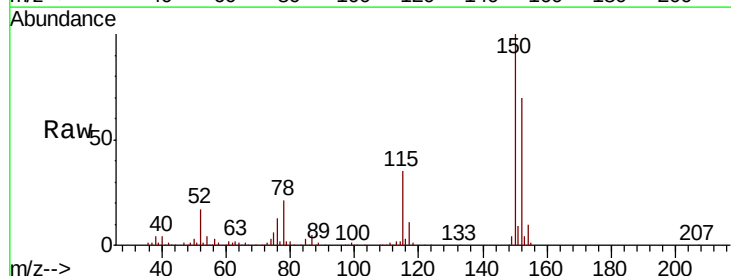
Instrument :
MSVOA_W
ClientSampleId :

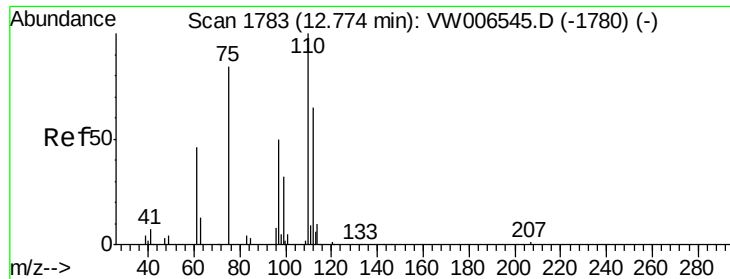
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	40.8	61.2
119	32.4	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006730.D
Acq: 07 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	26.6	79.8
150	153.7	0.0	344.6





#76

1,2,3-Trichloropropane

Concen: 66.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

Instrument :

MSVOA_W

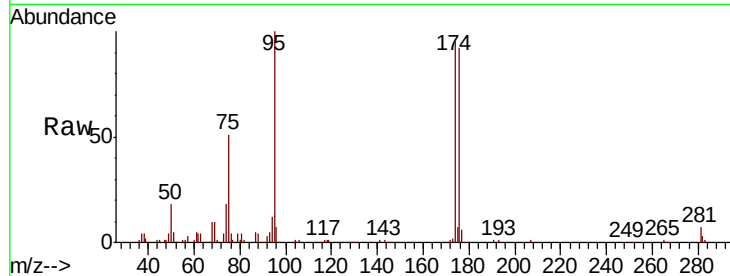
ClientSampleId :

Tot Ion: 75 Resp: 26118

Ion Ratio Lower Upper

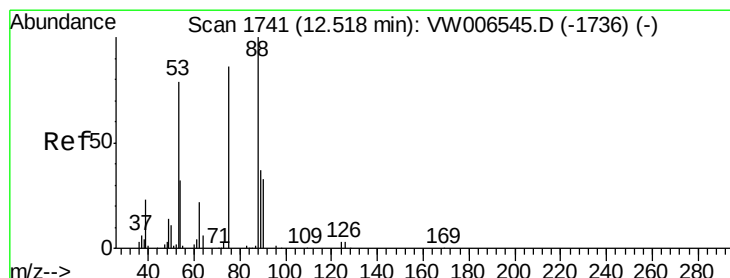
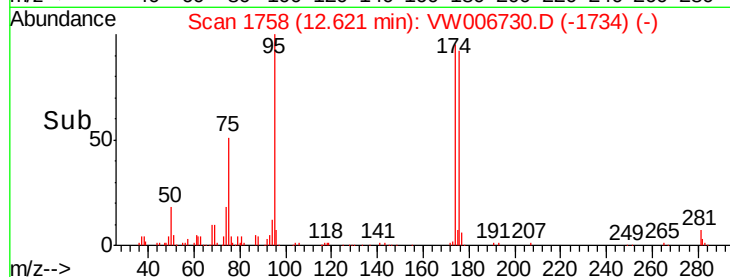
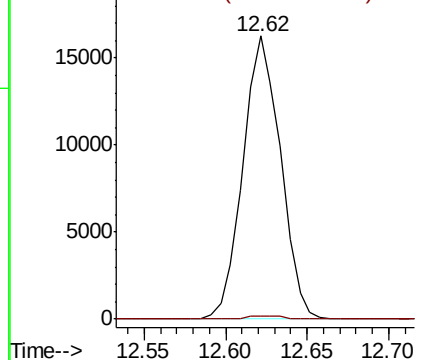
75 100

77 1.1 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: 166.615 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006730.D

Acq: 07 Nov 2018 11:57

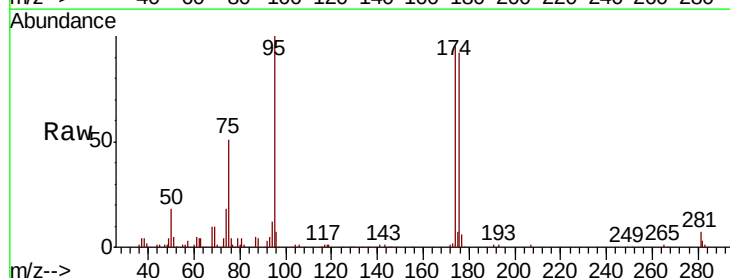
Tgt Ion: 75 Resp: 26118

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

