

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090718\
 Data File : VW005203.D
 Acq On : 07 Sep 2018 12:33
 Operator : SY/AP
 Sample : VW0907SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 07 14:52:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	465240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	692021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	670928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	345778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	211273	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.89	113	206170	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.33	98	969967	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
62) 4-Bromofluorobenzene	12.63	95	344956	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

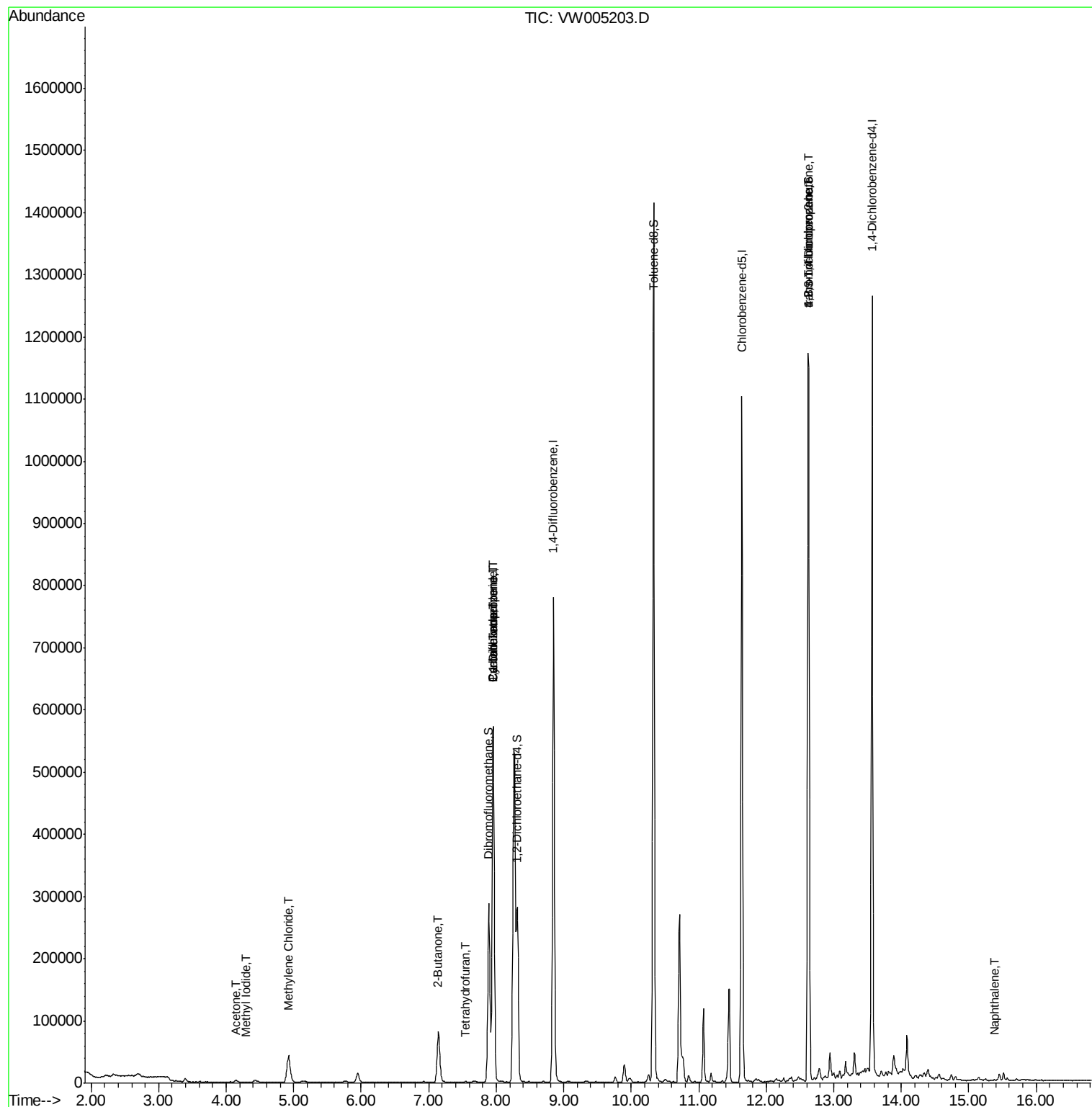
					Qvalue
5) Bromomethane	2.79	94	1054	Below Cal	# 55
10) Methyl Iodide	4.28	142	511	3.896 ug/l	# 59
11) Tert butyl alcohol	5.13	59	1393	Below Cal	# 72
16) Acetone	4.14	43	5845	7.557 ug/l	90
20) Methylene Chloride	4.92	84	36509	3.356 ug/l	96
25) 2-Butanone	7.15	43	4522	3.371 ug/l	# 71
29) Tetrahydrofuran	7.54	42	918	1.339 ug/l	# 67
31) Cyclohexane	7.95	56	8094	1.069 ug/l	# 1
36) 1,1-Dichloropropene	7.96	75	31706	4.811 ug/l	# 47
38) Carbon Tetrachloride	7.95	117	41691	6.653 ug/l	# 16
76) 1,2,3-Trichloropropane	12.62	75	161706	62.303 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.62	75	161706	149.956 ug/l	# 15
95) Naphthalene	15.38	128	2298	4.149 ug/l	98

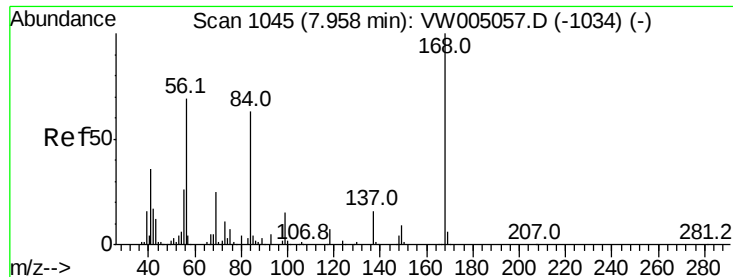
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 14:52:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:35:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

Instrument :

MSVOA_W

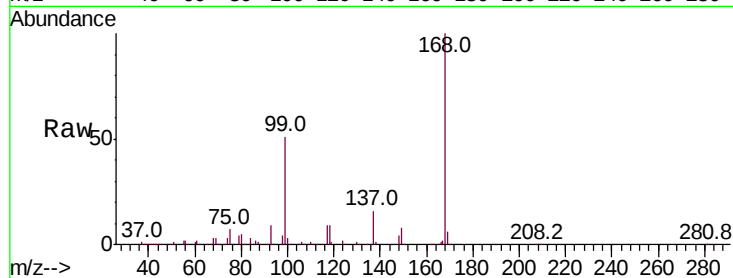
ClientSampled :

Tot Ion:168 Resp: 465240

Ion Ratio Lower Upper

168 100

99 50.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

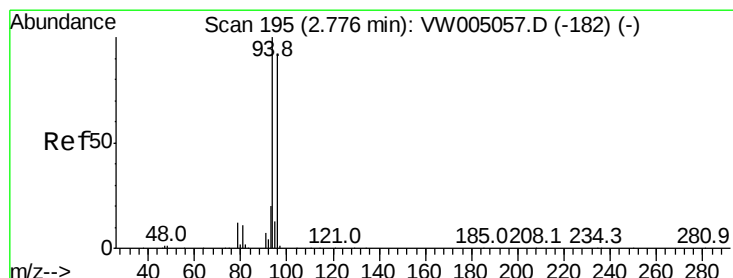
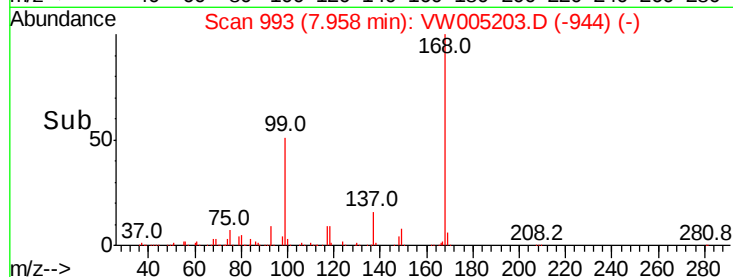
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005203.D

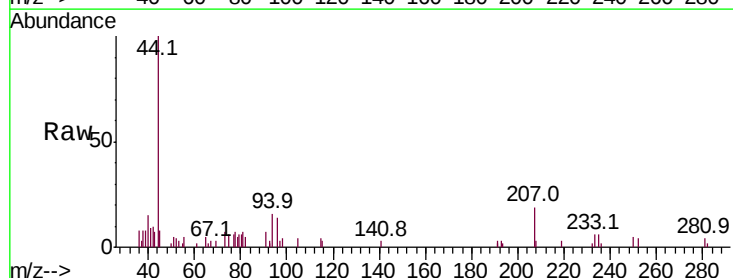
Acq: 07 Sep 2018 12:33

Tgt Ion: 94 Resp: 1054

Ion Ratio Lower Upper

94 100

96 48.8 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

500

400

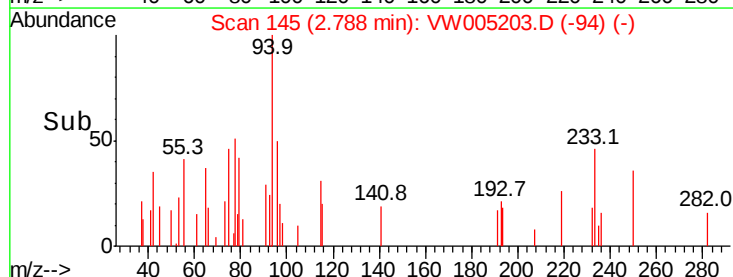
300

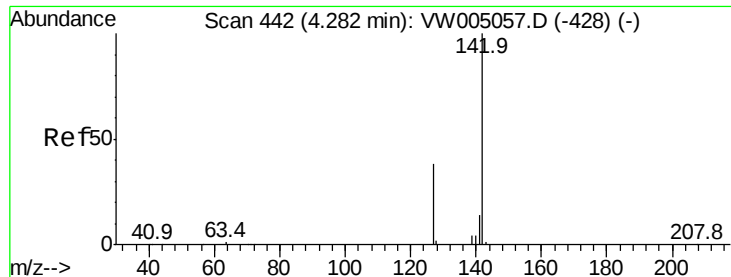
200

100

0

Time-->

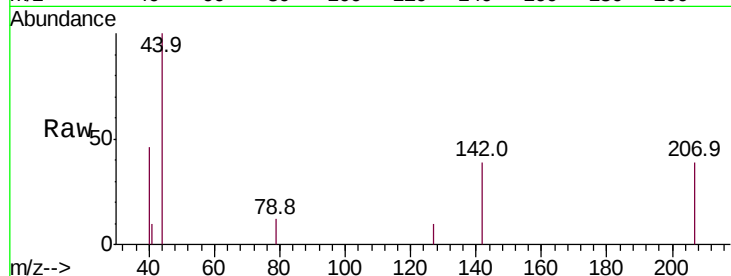




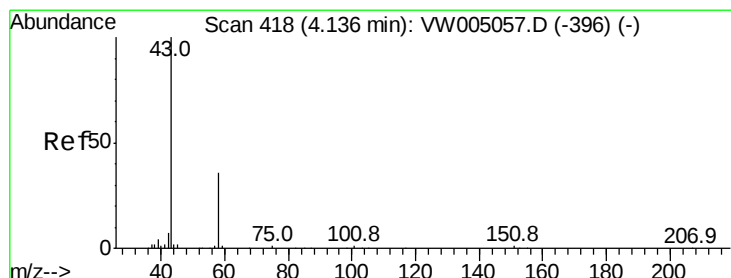
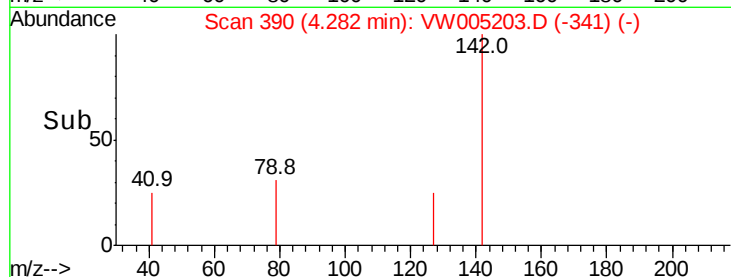
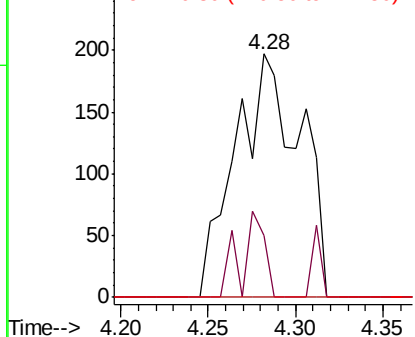
#10
Methvl Iodide
Concen: 3.896 ug/l
RT: 4.28 min Scan# 390
Delta R.T. 0.00 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:142 Resp: 511
Ion Ratio Lower Upper
142 100
127 12.5 30.8 46.2#
141 0.0 11.6 17.4#

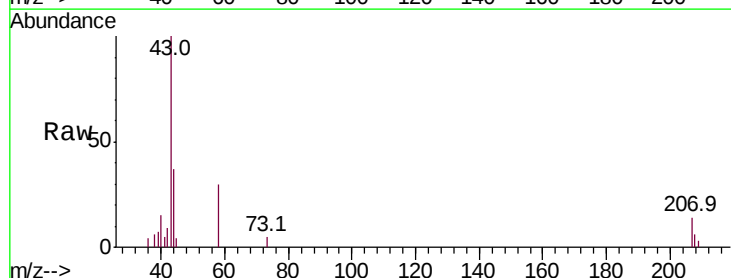


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

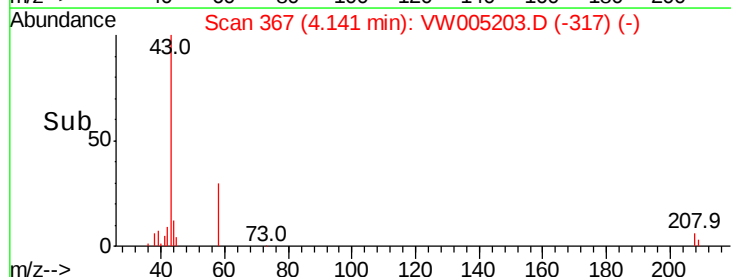
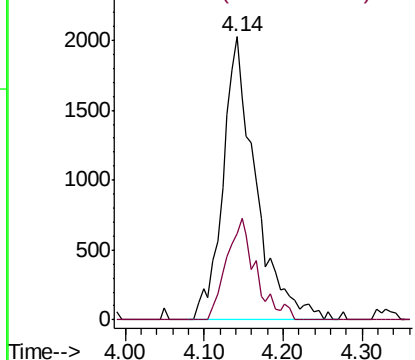


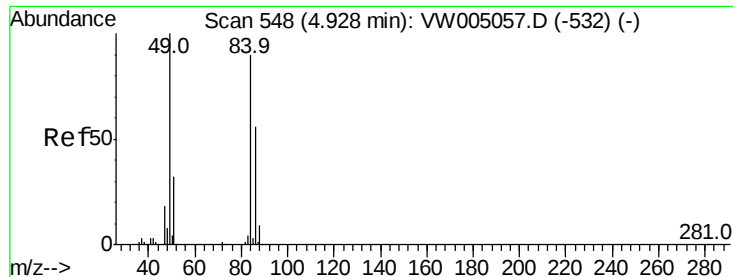
#16
Acetone
Concen: 7.557 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Tgt Ion: 43 Resp: 5845
Ion Ratio Lower Upper
43 100
58 30.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

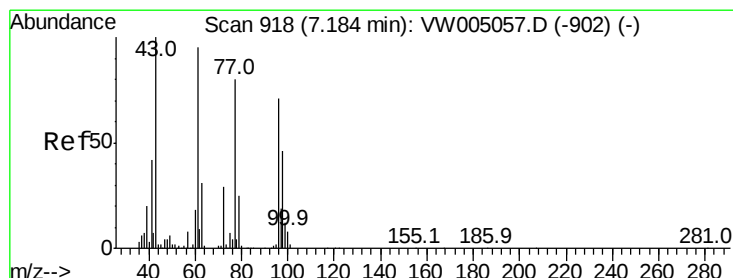
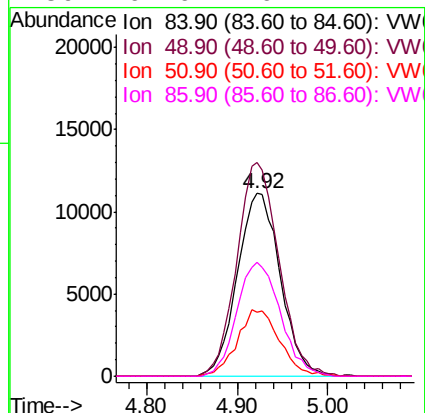
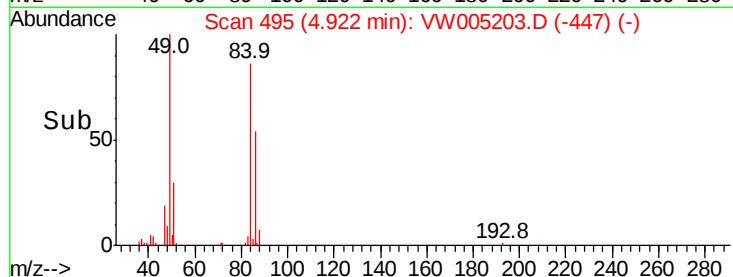
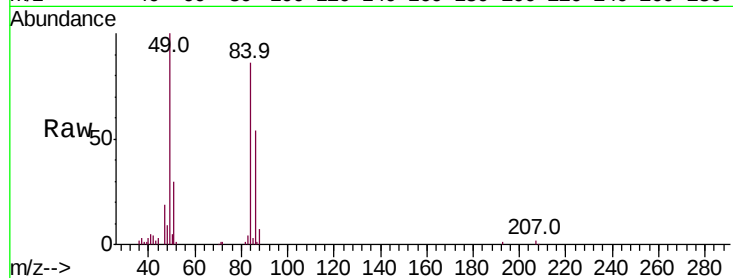




#20
Methvlene Chloride
Concen: 3.356 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

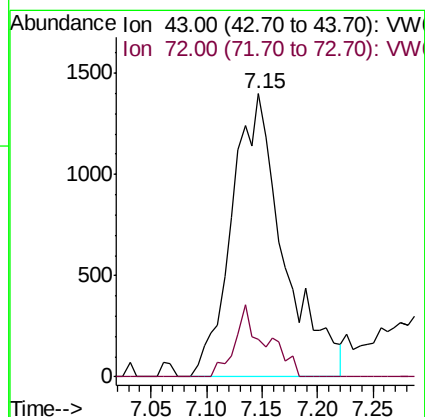
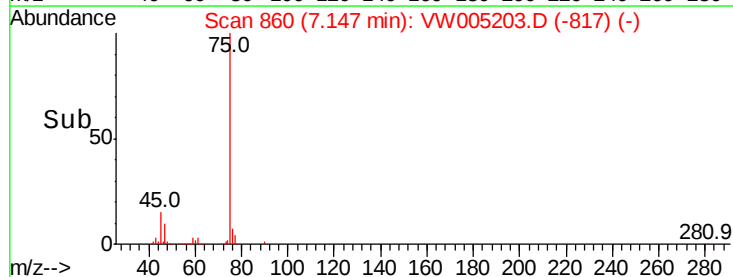
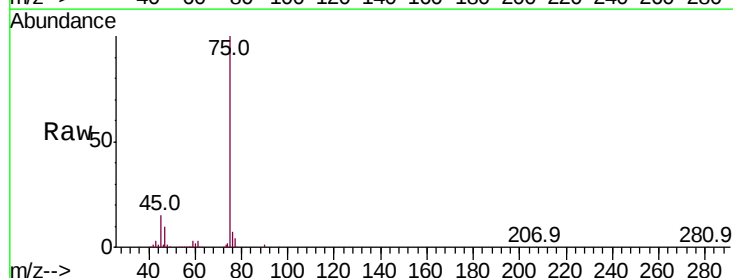
Instrument :
MSVOA_W
ClientSampleId :

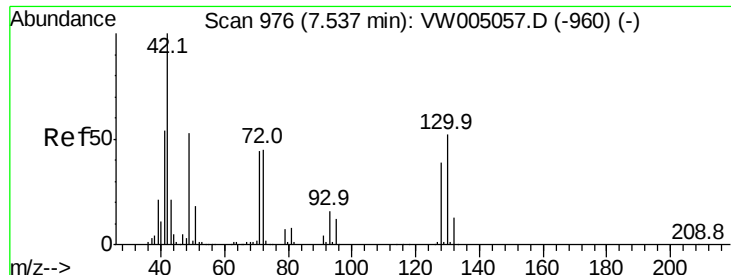
Tot Ion:	84	Resp:	36509
Ion	Ratio	Lower	Upper
84	100		
49	116.9	88.7	133.1
51	35.0	28.6	42.8
86	62.6	49.4	74.2



#25
2-Butanone
Concen: 3.371 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Tgt Ion:	43	Resp:	4522
Ion	Ratio	Lower	Upper
43	100		
72	13.2	23.1	34.7#

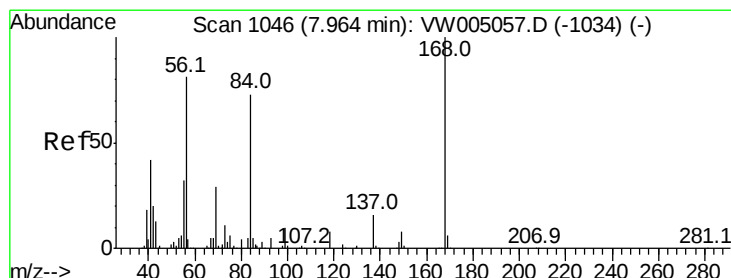
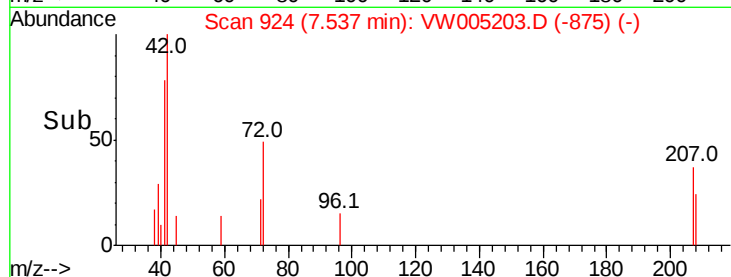
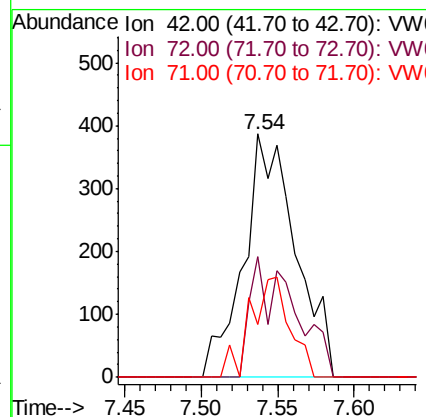
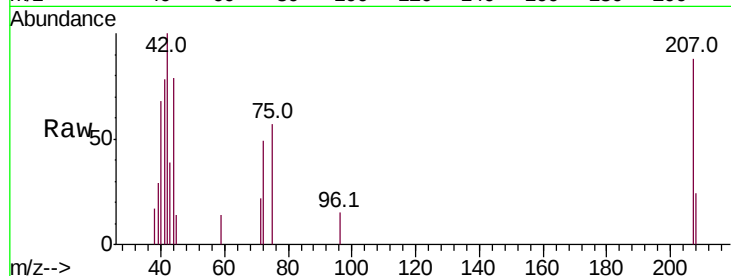




#29
Tetrahydrofuran
Concen: 1.339 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

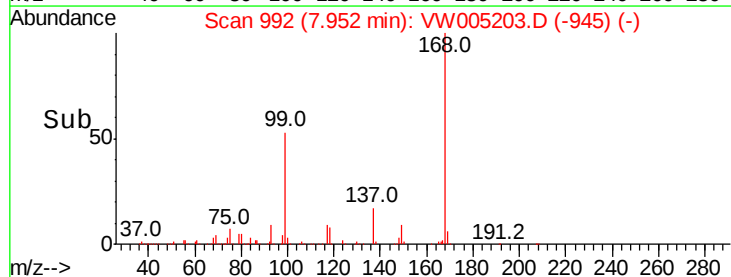
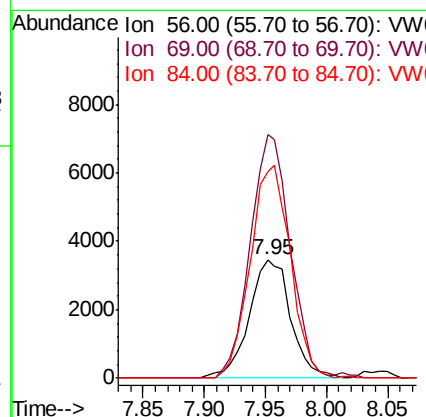
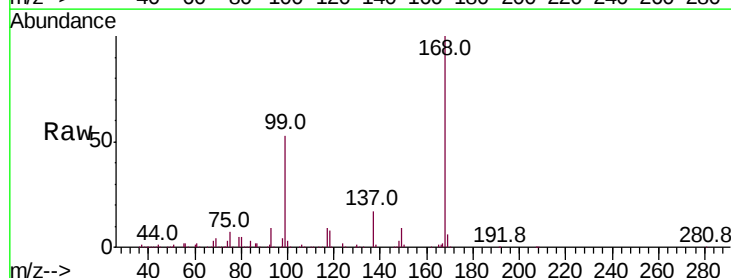
Instrument :
MSVOA_W
ClientSampled :

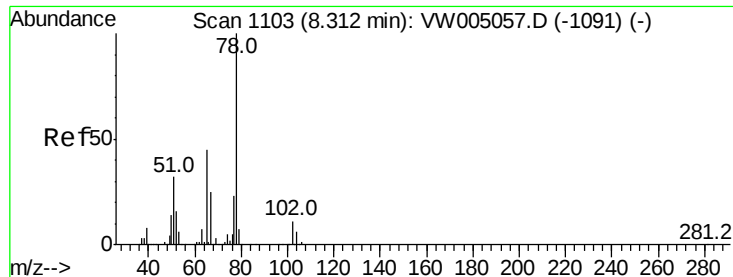
Tot Ion: 42 Resp: 918
Ion Ratio Lower Upper
42 100
72 15.7 37.0 55.4#
71 30.9 35.0 52.6#



#31
Cyclohexane
Concen: 1.069 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Tgt Ion: 56 Resp: 8094
Ion Ratio Lower Upper
56 100
69 205.9 28.2 42.2#
84 174.8 71.8 107.8#

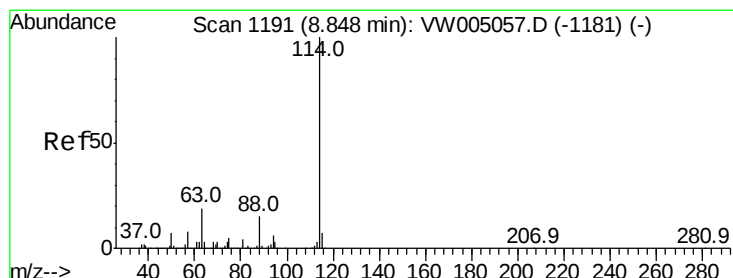
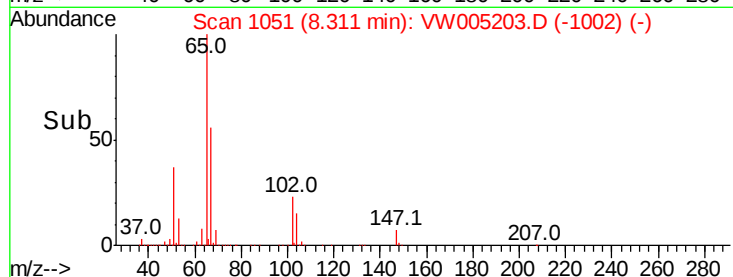
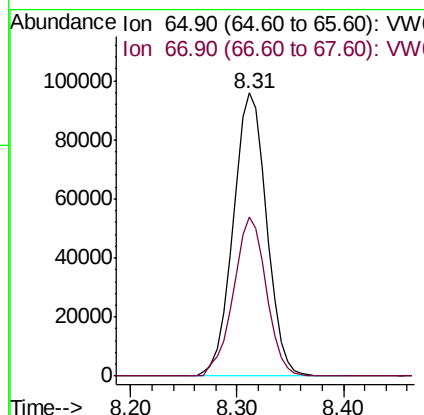
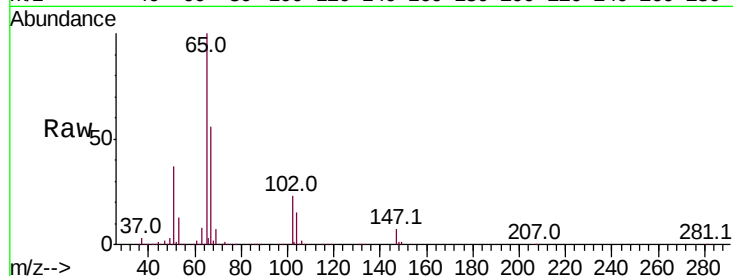




#33
 1,2-Dichloroethane-d4
 Concen: 54.782 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005203.D
 Acq: 07 Sep 2018 12:33

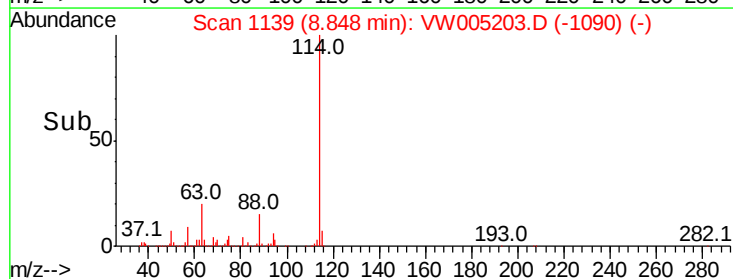
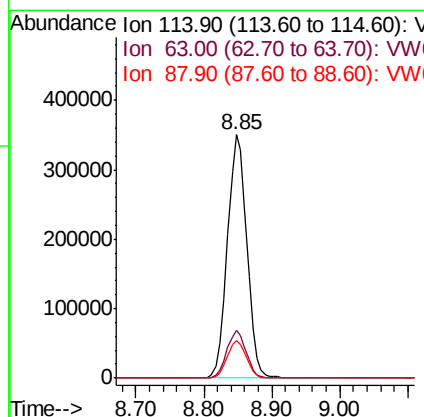
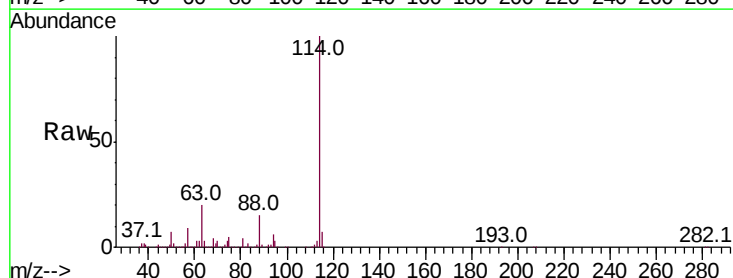
Instrument :
 MSVOA_W
 ClientSampled :

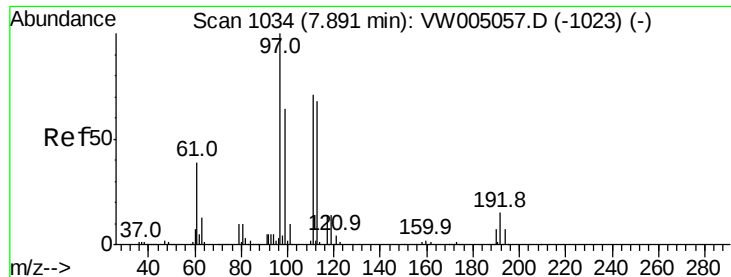
Tot Ion: 65 Resp: 211273
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005203.D
 Acq: 07 Sep 2018 12:33

Tgt Ion: 114 Resp: 692021
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.0
 88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.554 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

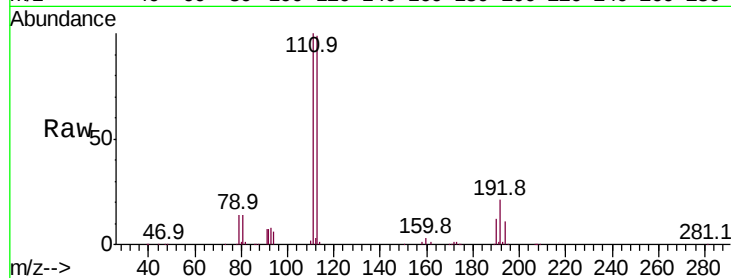
Tot Ion:113 Resp: 206170

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

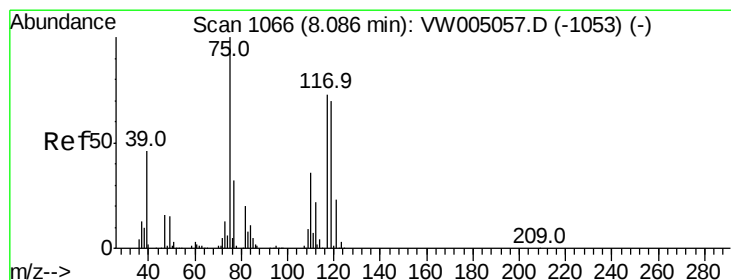
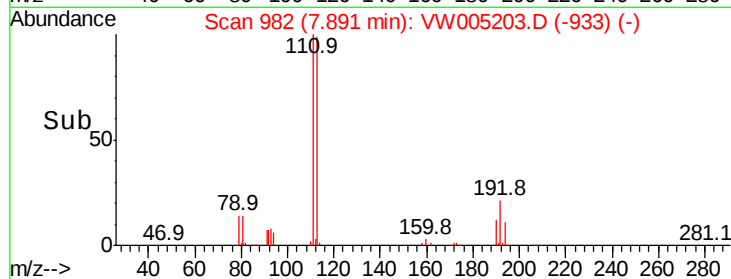
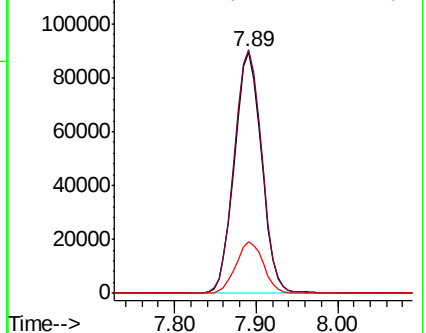
192 21.7 18.1 27.1



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: 4.811 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

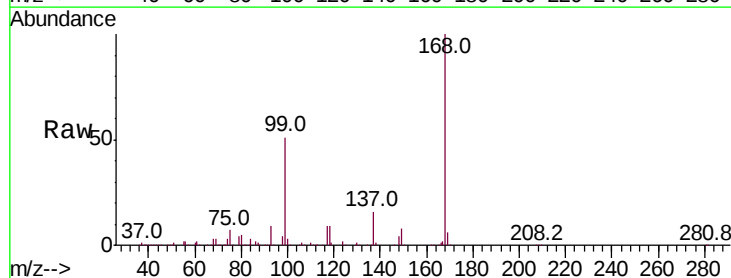
Tgt Ion: 75 Resp: 31706

Ion Ratio Lower Upper

75 100

110 7.8 18.9 56.7#

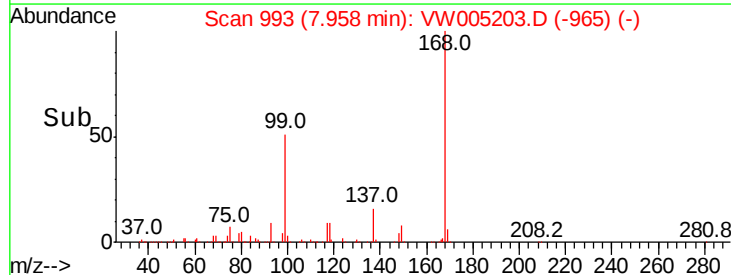
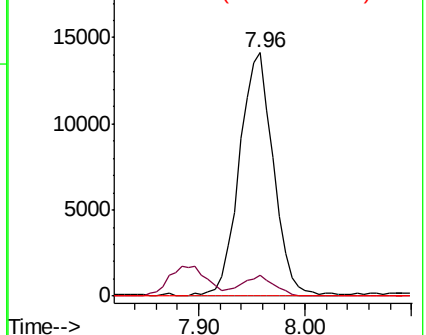
77 0.0 25.5 38.3#

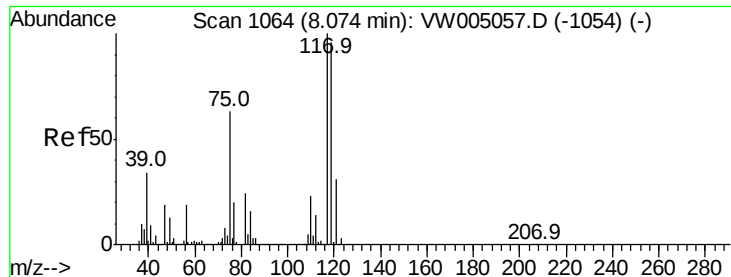


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

Instrument :

MSVOA_W

ClientSampleId :

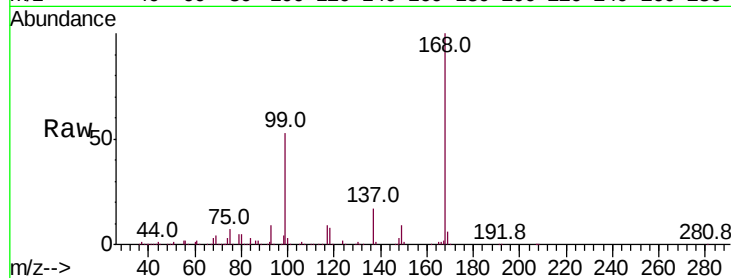
Tot Ion:117 Resp: 41691

Ion Ratio Lower Upper

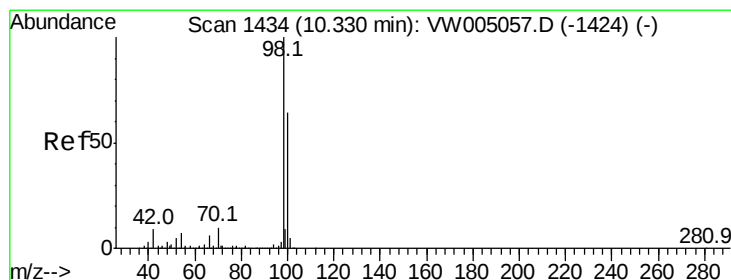
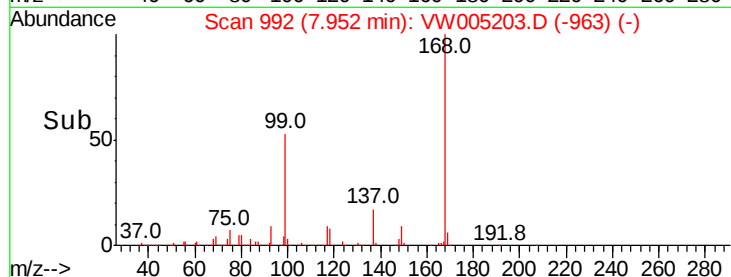
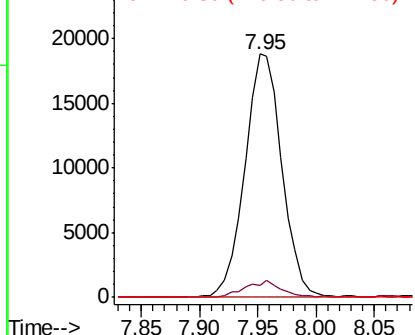
117 100

119 5.1 76.6 115.0#

121 0.0 24.8 37.2#



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: 52.638 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005203.D

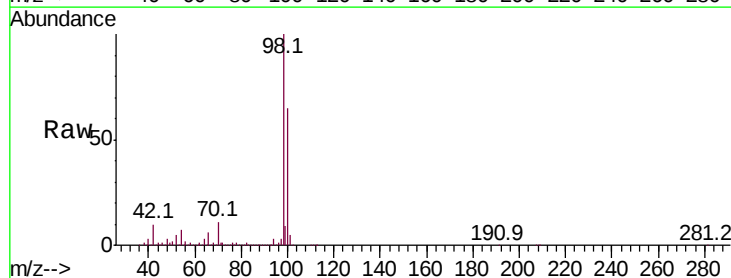
Acq: 07 Sep 2018 12:33

Tgt Ion: 98 Resp: 969967

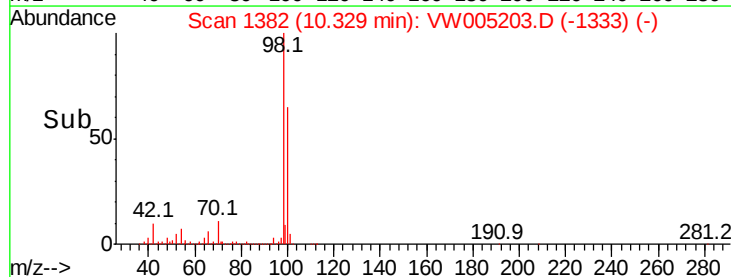
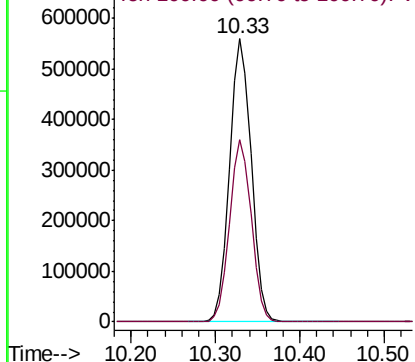
Ion Ratio Lower Upper

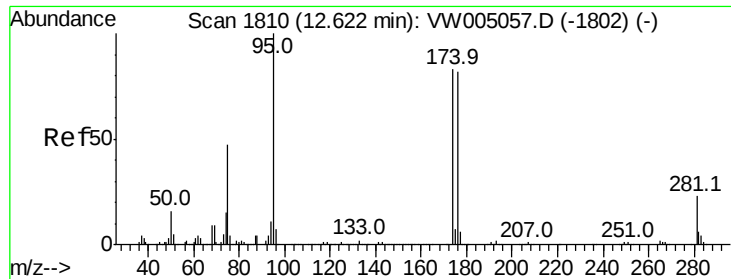
98 100

100 64.3 51.7 77.5



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

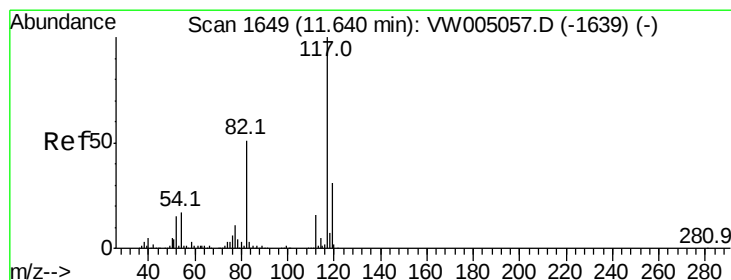
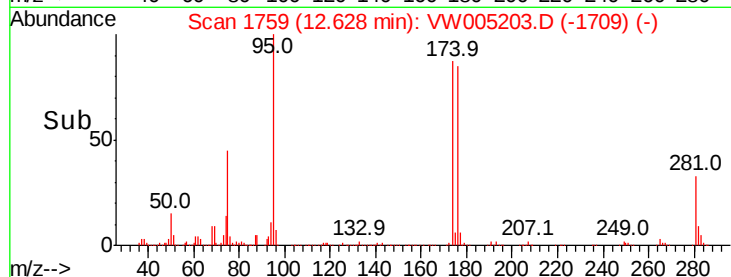
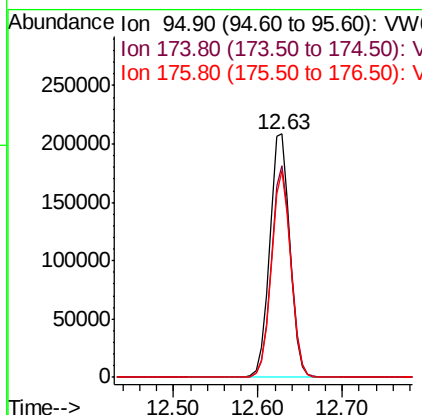
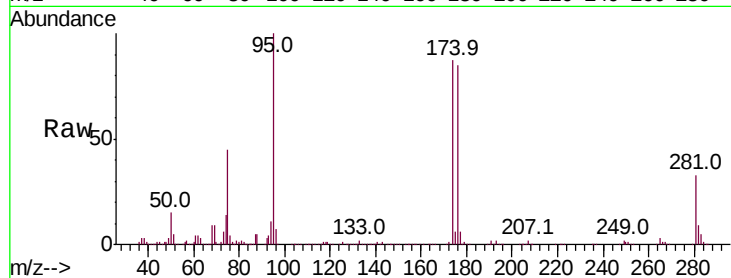




#62
4-Bromofluorobenzene
Concen: 53.090 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

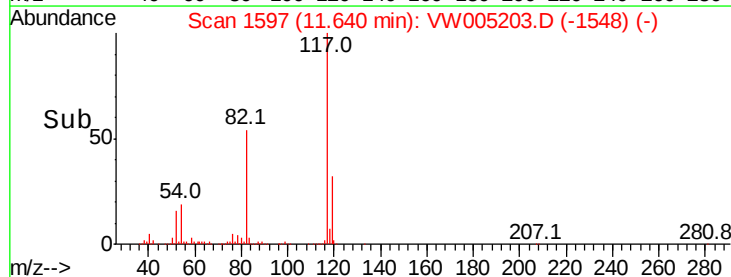
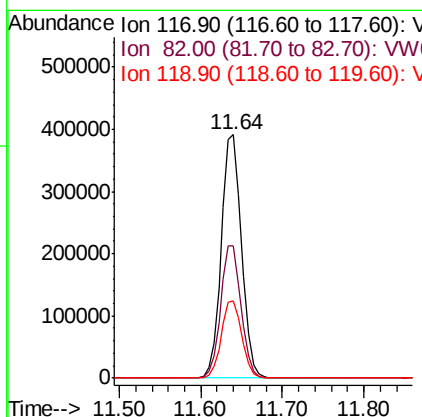
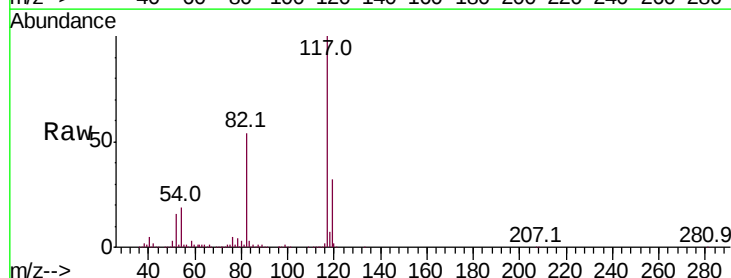
Instrument :
MSVOA_W
ClientSampleId :

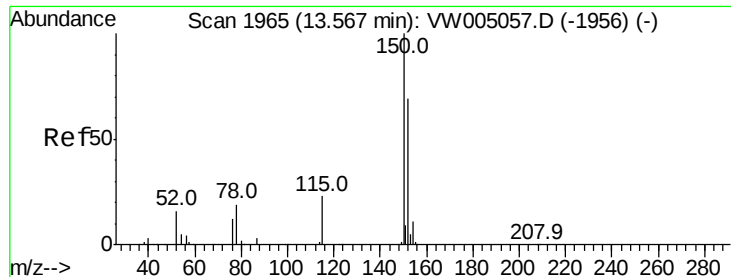
Tot Ion: 95 Resp: 344956
Ion Ratio Lower Upper
95 100
174 84.5 0.0 173.4
176 81.6 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Tgt Ion: 117 Resp: 670928
Ion Ratio Lower Upper
117 100
82 54.1 40.9 61.3
119 31.8 24.9 37.3



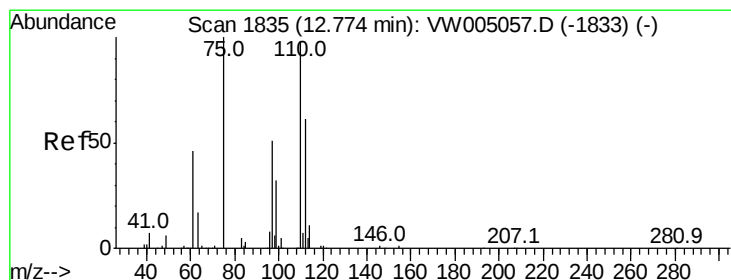
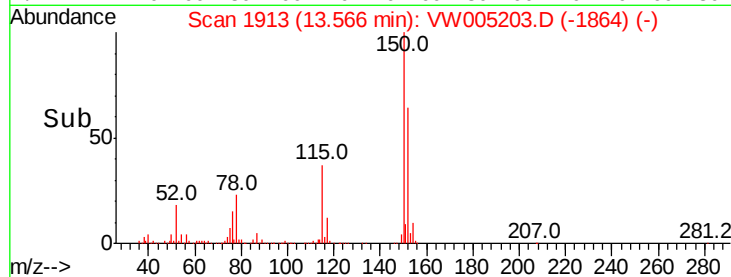
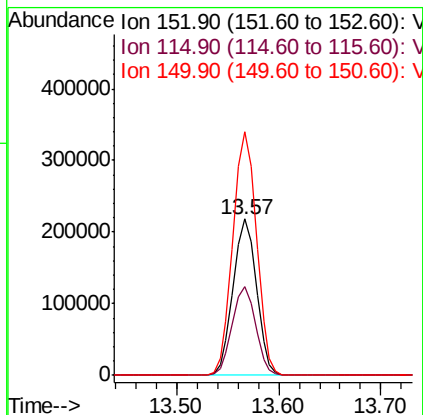
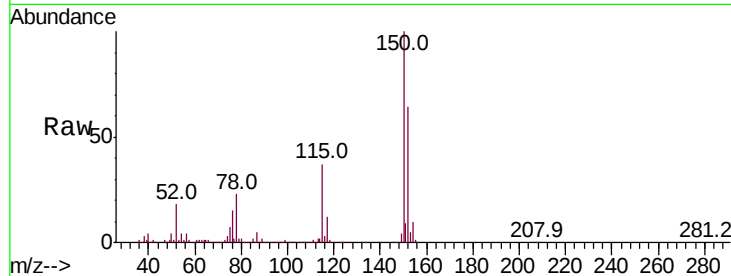


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Instrument :
MSVOA_W
ClientSampled :

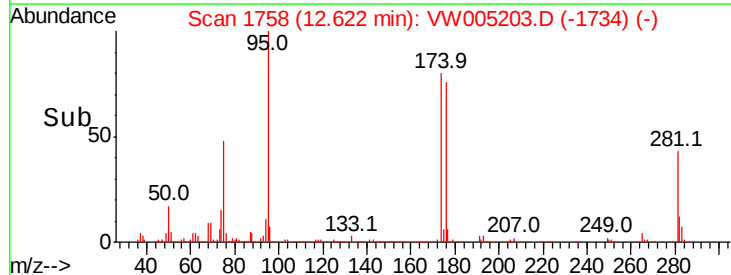
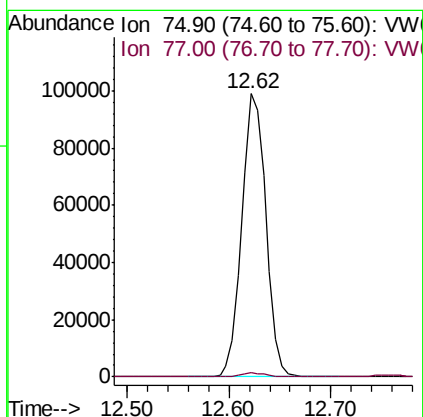
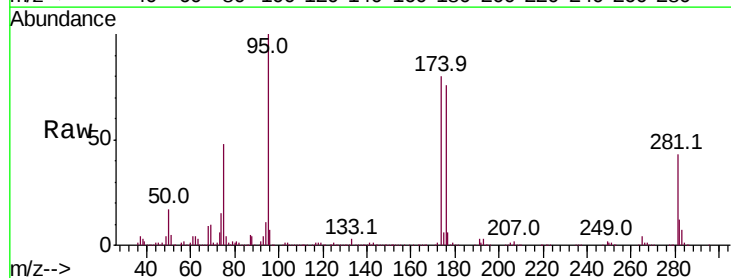
Tot Ion:152 Resp: 345778
Ion Ratio Lower Upper
152 100
115 56.9 27.8 83.4
150 157.1 0.0 351.4

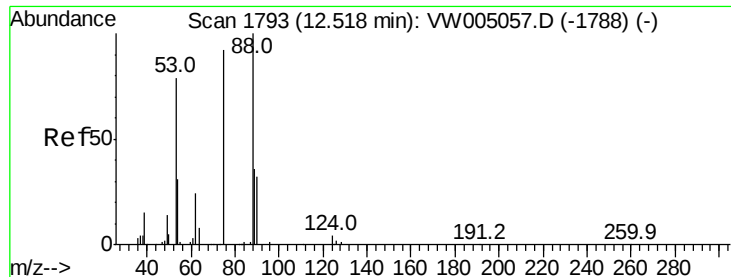


#76

1,2,3-Trichloropropane
Concen: 62.303 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005203.D
Acq: 07 Sep 2018 12:33

Tgt Ion: 75 Resp: 161706
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 149.956 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

Instrument :

MSVOA_W

ClientSampled :

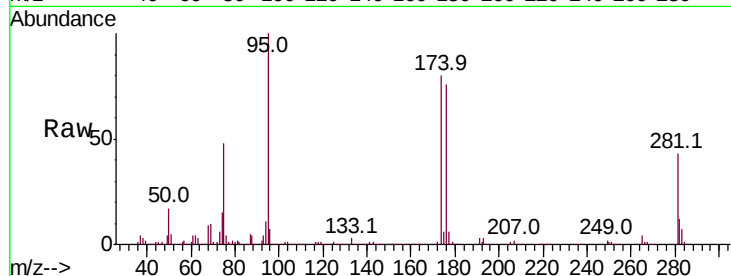
Tot Ion: 75 Resp: 161706

Ion Ratio Lower Upper

75 100

53 0.2 69.8 104.8#

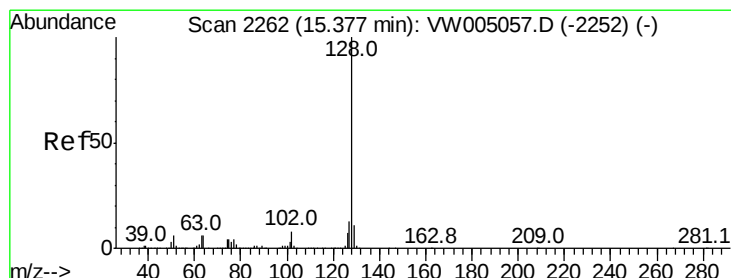
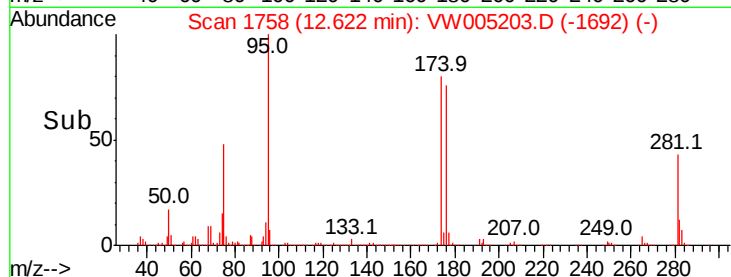
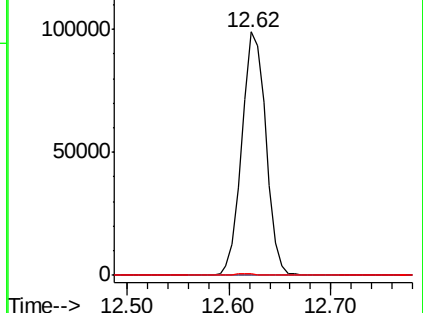
89 0.5 36.0 54.0#



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



#95

Naphthalene

Concen: 4.149 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005203.D

Acq: 07 Sep 2018 12:33

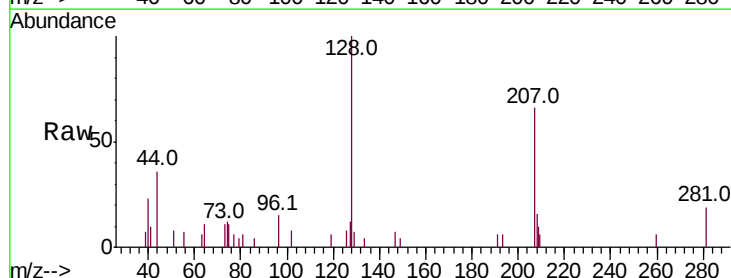
Tgt Ion: 128 Resp: 2298

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.5 8.7 13.1



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

