

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091218\
 Data File : VW005326.D
 Acq On : 12 Sep 2018 15:32
 Operator : SY/AP
 Sample : J4724-17RE
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 16:24:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	471929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	718678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	717944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	373585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	170907	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
35) Dibromofluoromethane	7.89	113	160954	42.75	ug/l	0.00
Spiked Amount			Recovery	=	85.50%	
50) Toluene-d8	10.33	98	736421	38.71	ug/l	0.00
Spiked Amount			Recovery	=	77.42%	
62) 4-Bromofluorobenzene	12.62	95	266739	38.33	ug/l	0.00
Spiked Amount			Recovery	=	76.66%	

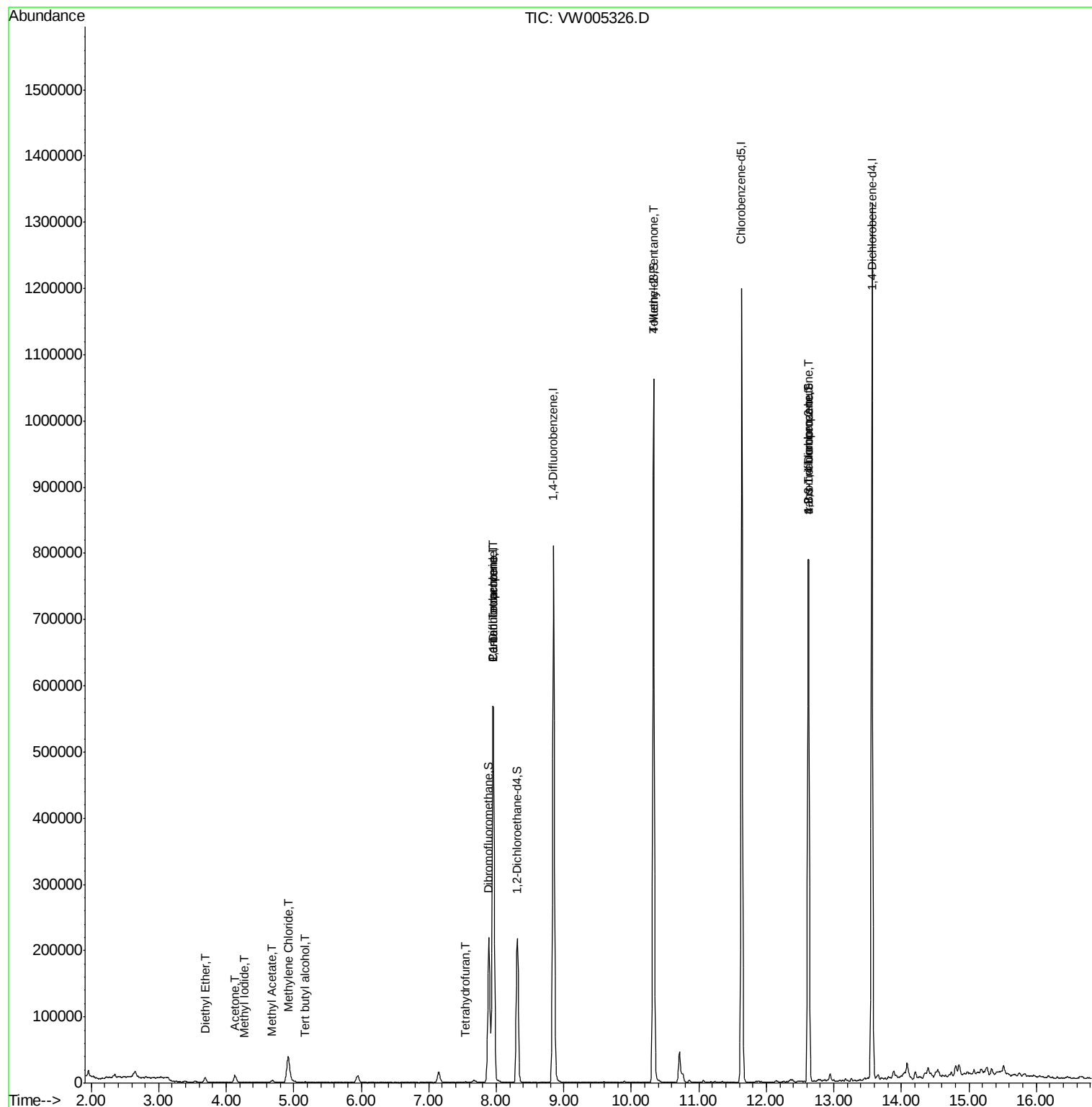
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.76	94	851	Below Cal	#	70
8) Diethyl Ether	3.70	74	3869	1.921	ug/l	96
10) Methyl Iodide	4.26	142	310	3.384	ug/l #	45
11) Tert butyl alcohol	5.17	59	2414	8.363	ug/l #	73
16) Acetone	4.13	43	19011	29.097	ug/l	93
18) Methyl Acetate	4.68	43	5995	3.074	ug/l	96
20) Methylene Chloride	4.92	84	33373	3.833	ug/l	98
29) Tetrahydrofuran	7.54	42	1009	1.453	ug/l	97
36) 1,1-Dichloropropene	7.95	75	31748	4.822	ug/l #	48
38) Carbon Tetrachloride	7.95	117	41927	6.798	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	2818	1.077	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	122003	42.459	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	122003	99.576	ug/l #	16

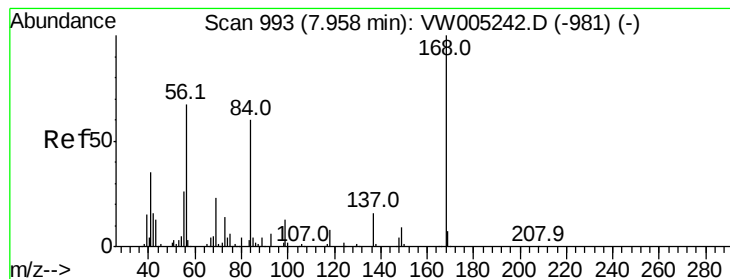
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :

MSVOA_W

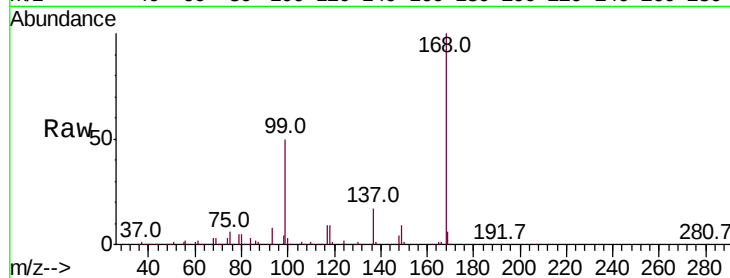
ClientSampleId :

Tot Ion:168 Resp: 471929

Ion Ratio Lower Upper

168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

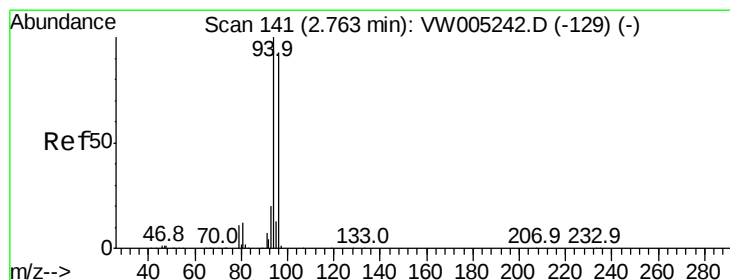
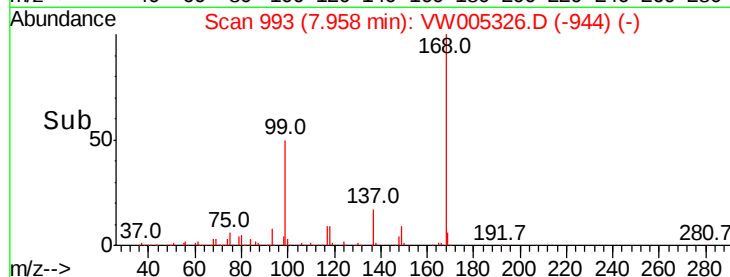
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW005326.D

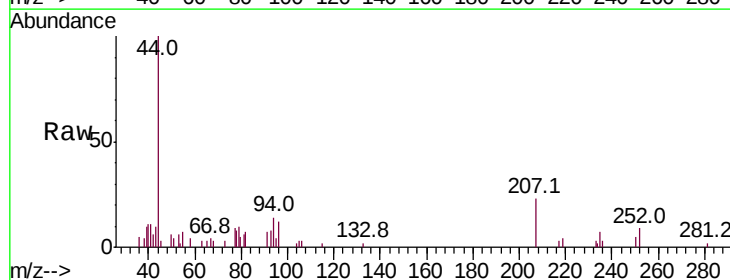
Acq: 12 Sep 2018 15:32

Tgt Ion: 94 Resp: 851

Ion Ratio Lower Upper

94 100

96 63.8 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

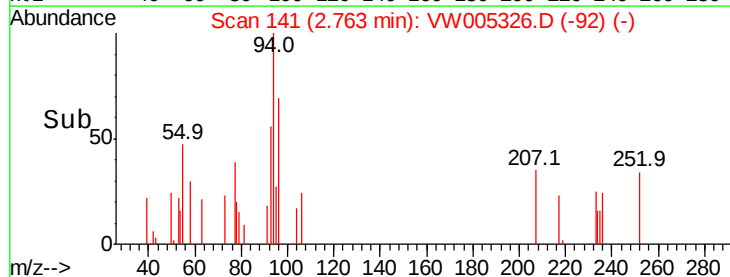
300

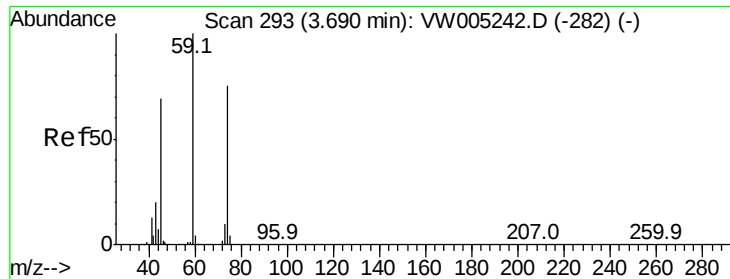
200

100

0

Time-->





#8

Diethyl Ether

Concen: 1.921 ug/l

RT: 3.70 min Scan# 294

Delta R.T. 0.01 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :

MSVOA_W

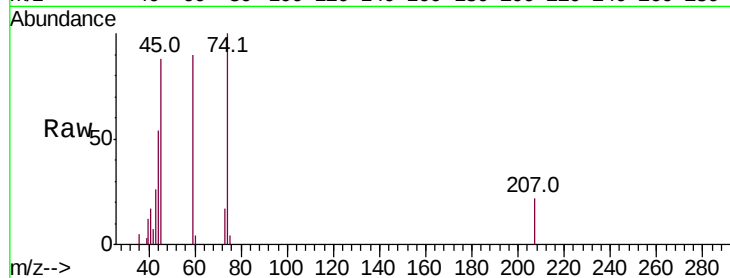
ClientSampleId :

Tot Ion: 74 Resp: 3869

Ion Ratio Lower Upper

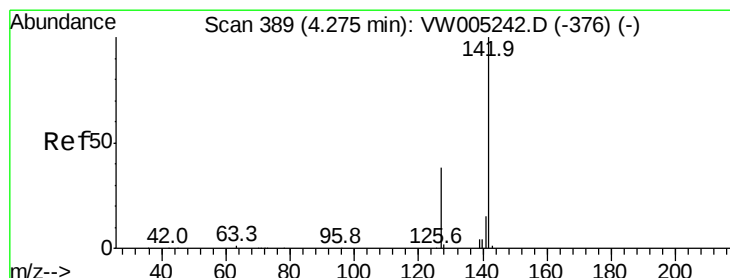
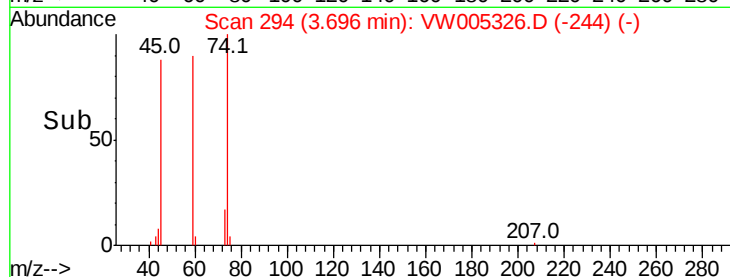
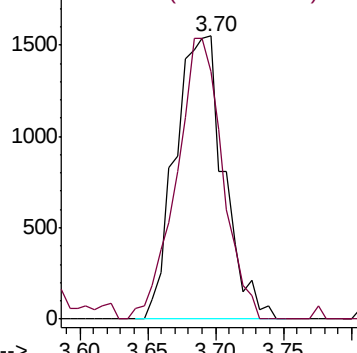
74 100

45 93.8 45.1 135.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#10

Methyl Iodide

Concen: 3.384 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

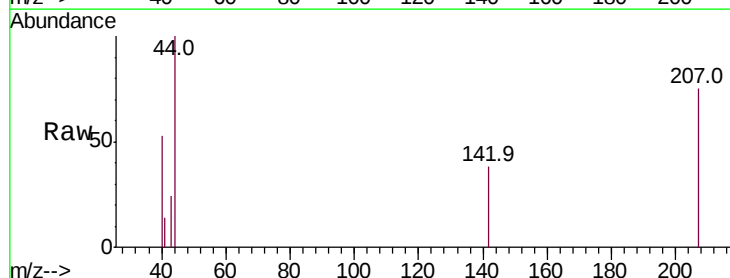
Tgt Ion: 142 Resp: 310

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

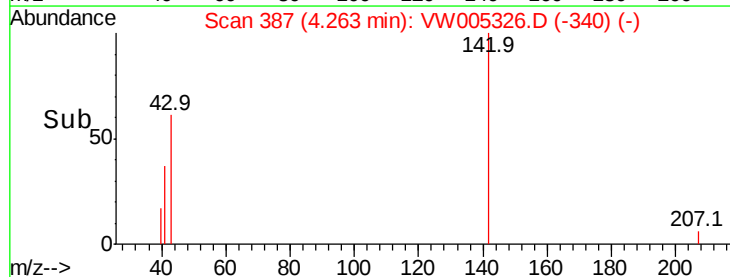
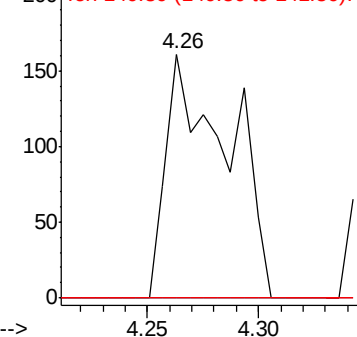
141 0.0 11.4 17.0#

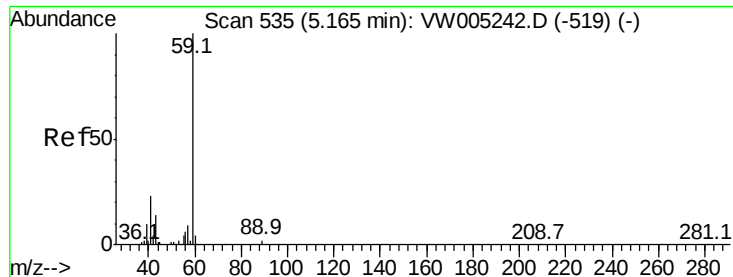


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



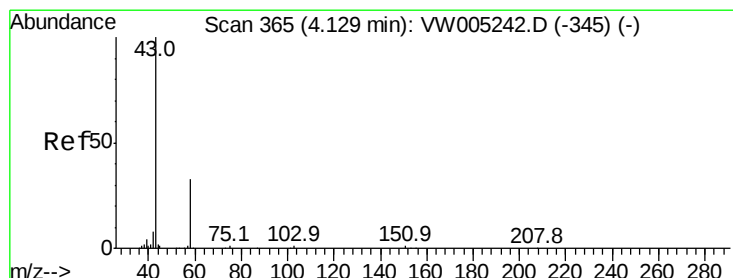
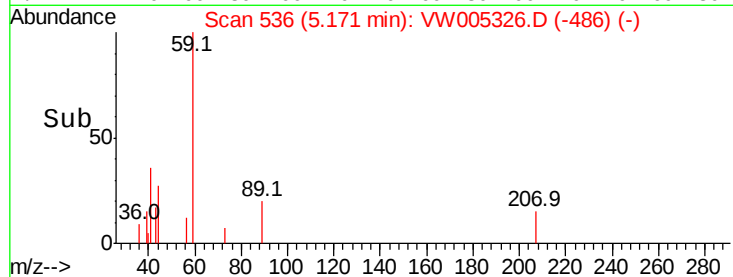
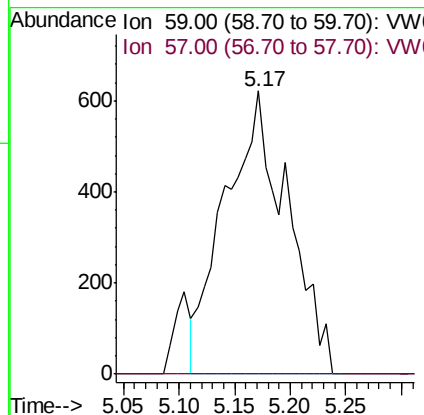
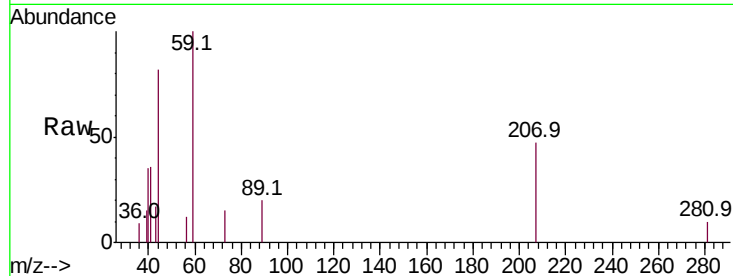


#11

Tert butyl alcohol
 Concen: 8.363 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW005326.D
 Acq: 12 Sep 2018 15:32

Instrument :
 MSVOA_W
 ClientSampled :

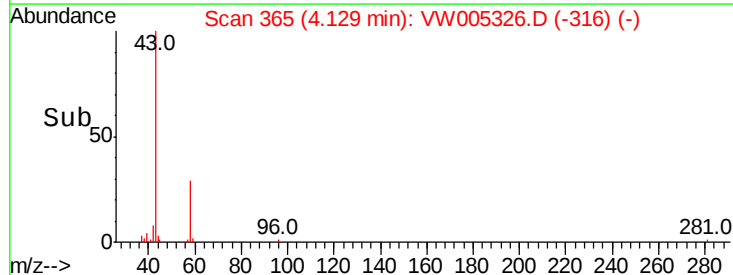
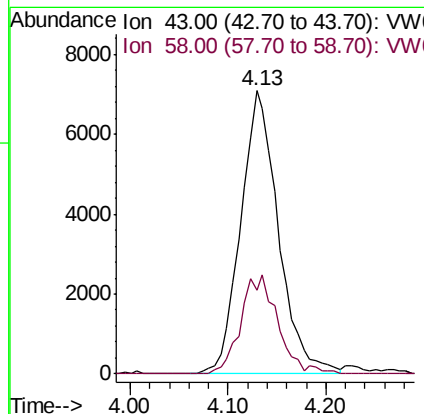
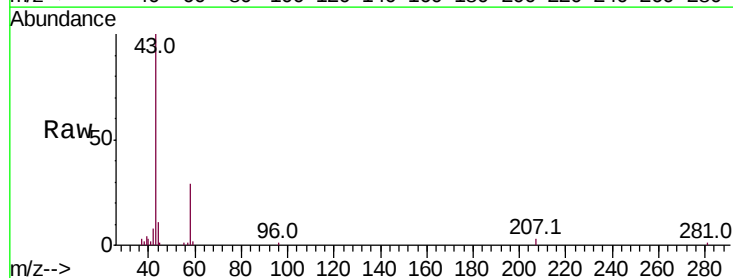
Tot Ion: 59 Resp: 2414
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

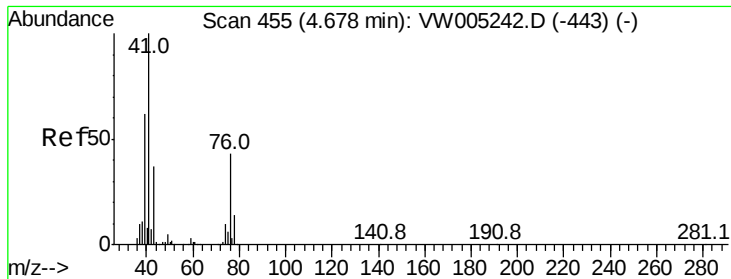


#16

Acetone
 Concen: 29.097 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW005326.D
 Acq: 12 Sep 2018 15:32

Tgt Ion: 43 Resp: 19011
 Ion Ratio Lower Upper
 43 100
 58 29.4 26.7 40.1

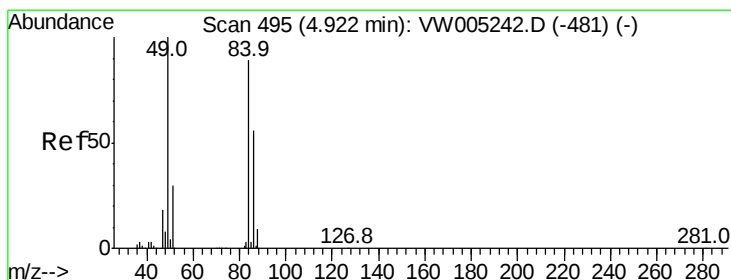
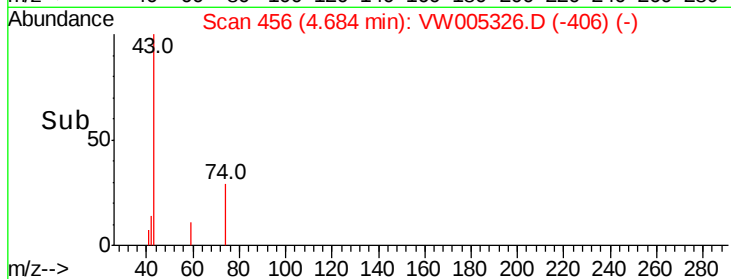
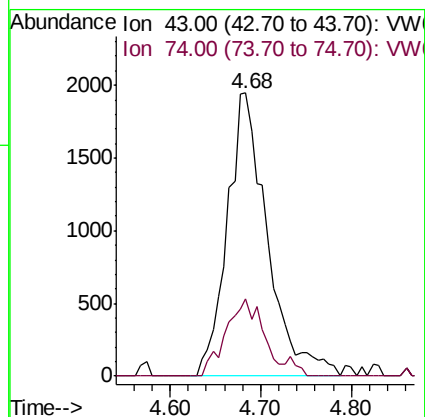
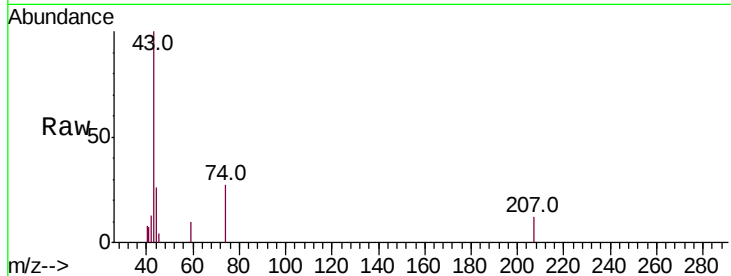




#18
Methyl Acetate
Concen: 3.074 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

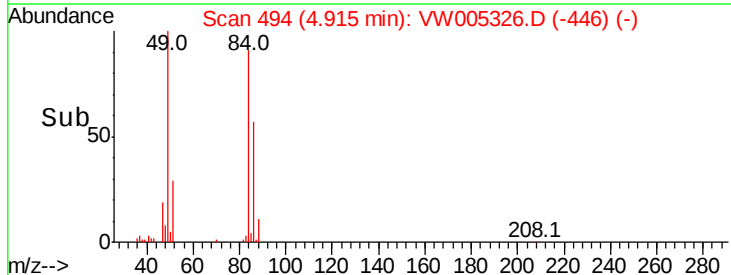
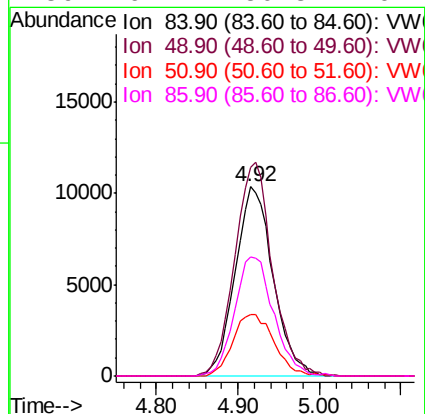
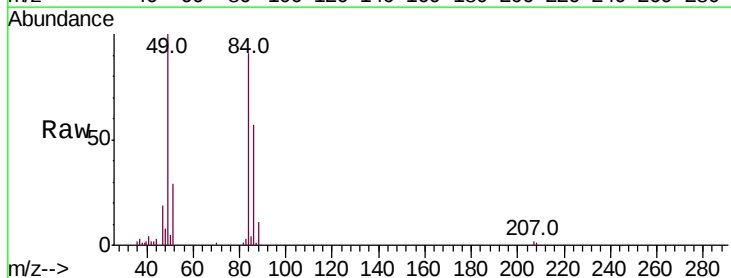
Instrument :
MSVOA_W
ClientSampleId :

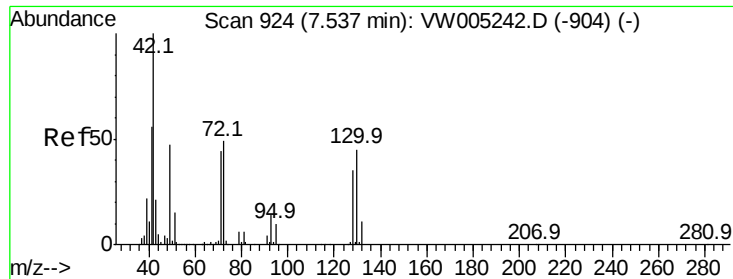
Tot Ion: 43 Resp: 5995
Ion Ratio Lower Upper
43 100
74 24.9 21.4 32.2



#20
Methylene Chloride
Concen: 3.833 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

Tgt Ion: 84 Resp: 33373
Ion Ratio Lower Upper
84 100
49 110.5 90.3 135.5
51 32.2 26.9 40.3
86 62.7 50.8 76.2

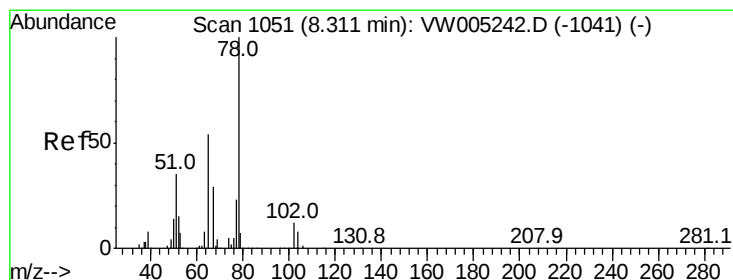
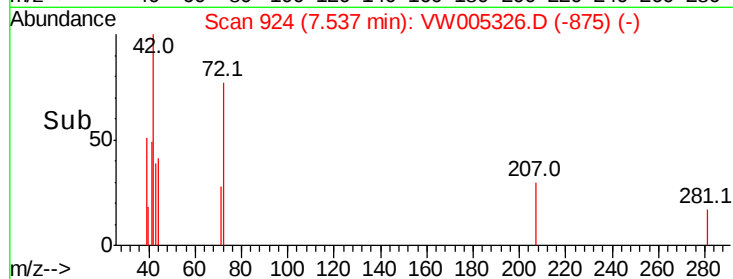
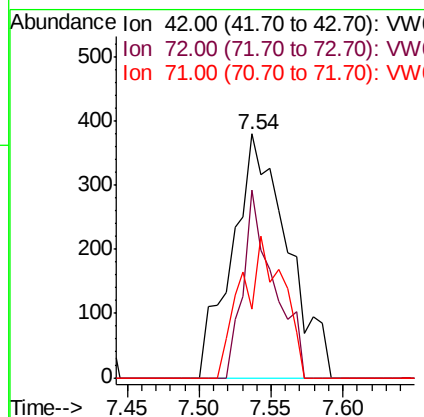
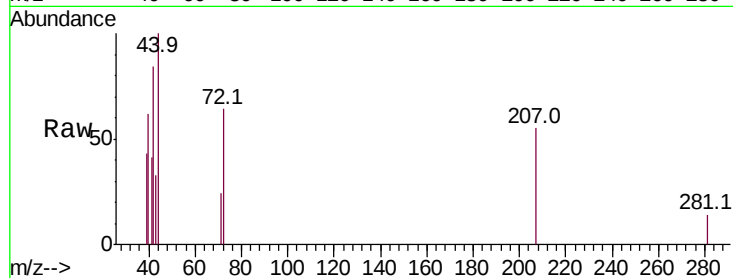




#29
Tetrahydrofuran
Concen: 1.453 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

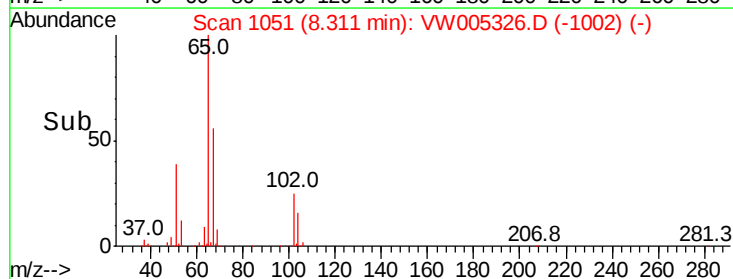
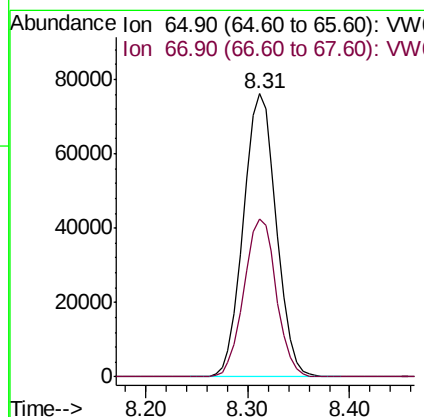
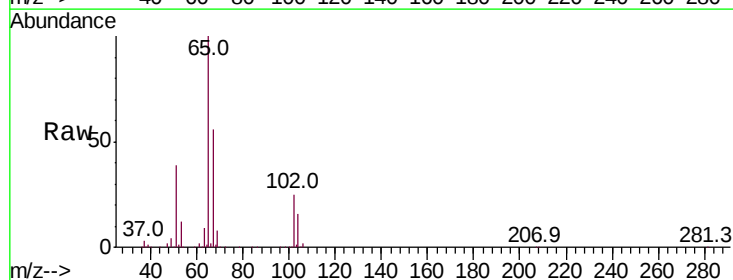
Instrument :
MSVOA_W
ClientSampled :

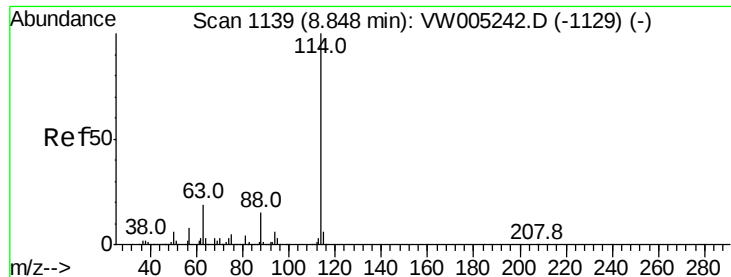
Tot Ion: 42 Resp: 1009
Ion Ratio Lower Upper
42 100
72 43.1 37.5 56.3
71 43.7 34.8 52.2



#33
1,2-Dichloroethane-d4
Concen: 48.554 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

Tgt Ion: 65 Resp: 170907
Ion Ratio Lower Upper
65 100
67 55.1 0.0 112.2

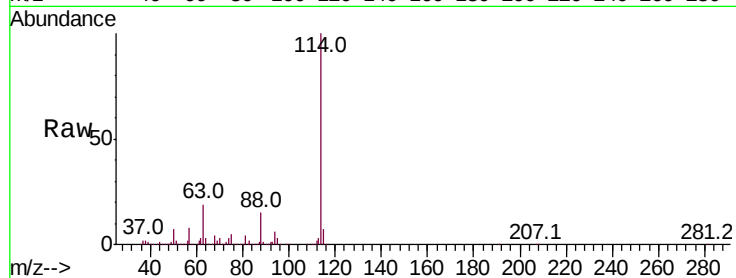




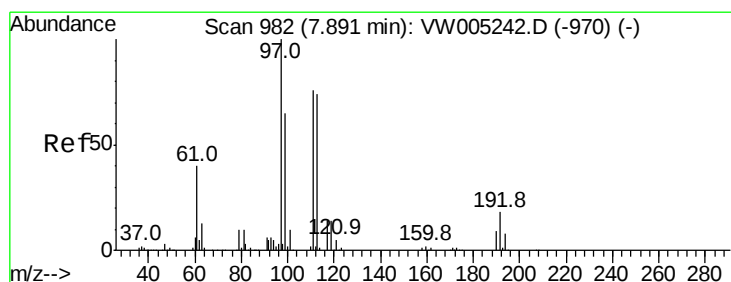
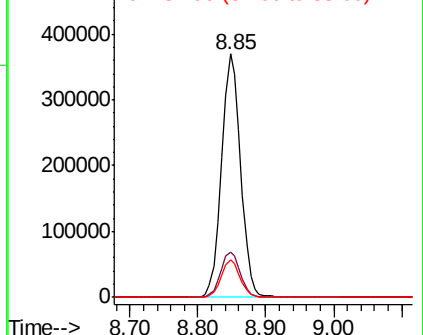
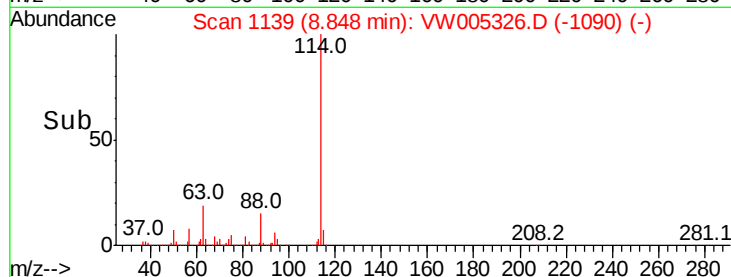
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005326.D
 Acq: 12 Sep 2018 15:32

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 718678
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 15.3 0.0 30.4

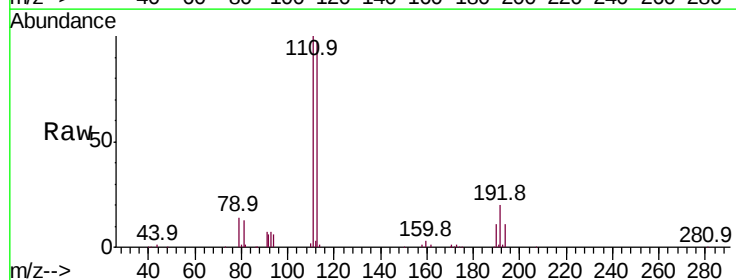


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

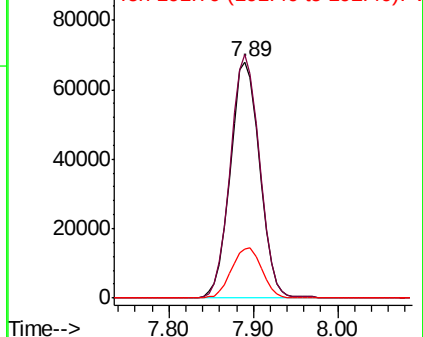
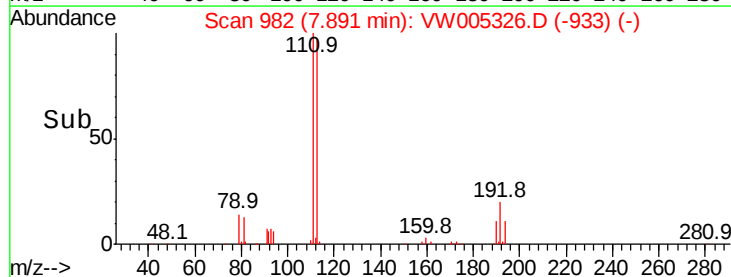


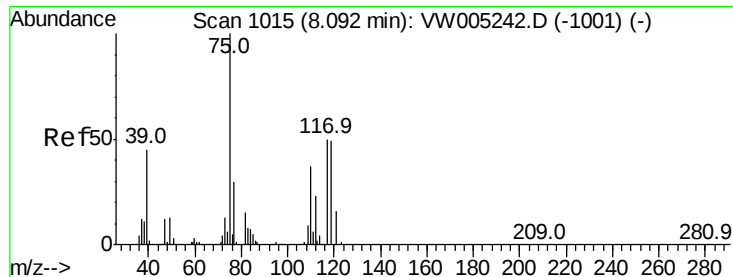
#35
 Dibromofluoromethane
 Concen: 42.754 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005326.D
 Acq: 12 Sep 2018 15:32

Tgt Ion:113 Resp: 160954
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.6 121.0
 192 21.7 18.3 27.5



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: 4.822 ug/l

RT: 7.95 min Scan# 992

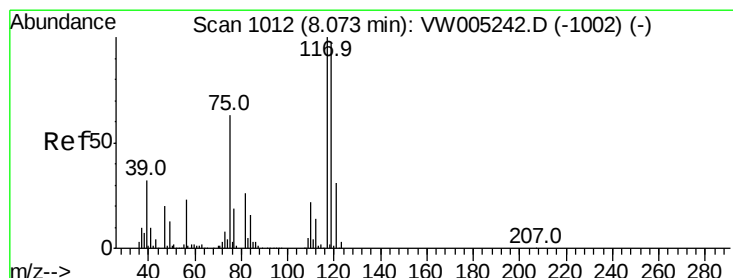
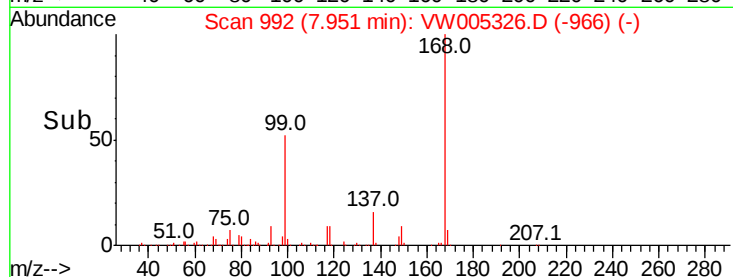
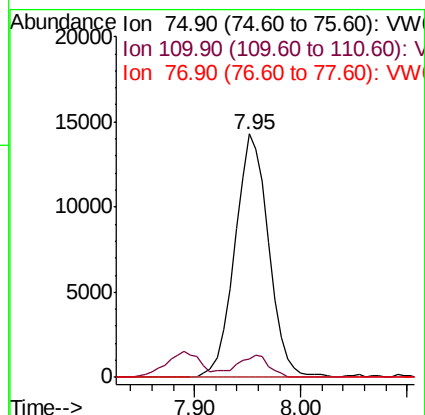
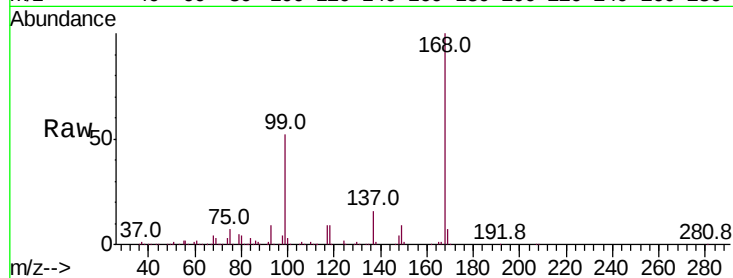
Delta R.T. -0.14 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	75	Resp:	31748
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.8	56.4#
77	0.1	24.9	37.3#



#38

Carbon Tetrachloride

Concen: 6.798 ug/l

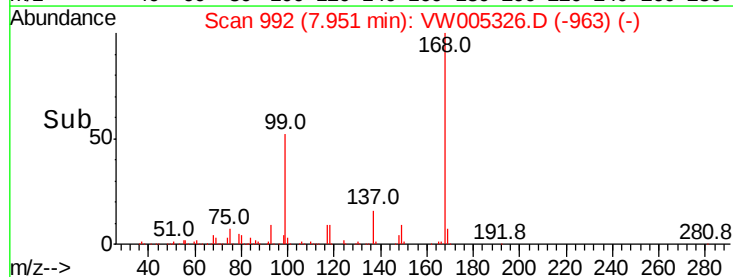
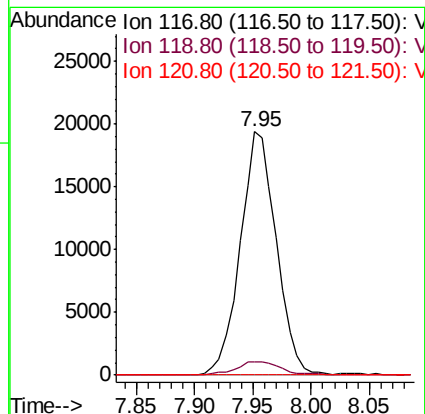
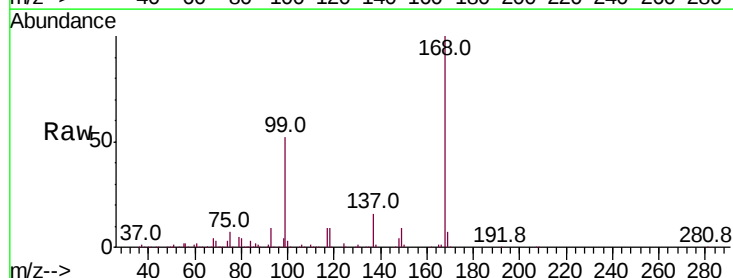
RT: 7.95 min Scan# 992

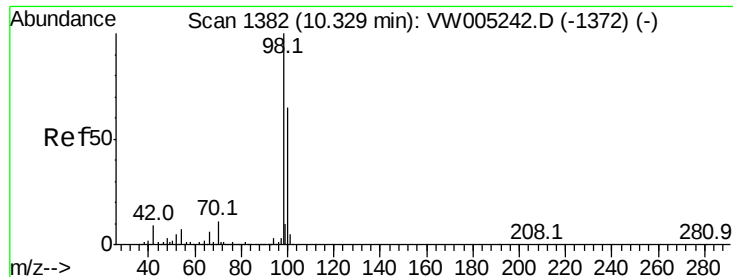
Delta R.T. -0.12 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Tgt Ion:	117	Resp:	41927
Ion Ratio	Lower	Upper	
117	100		
119	5.2	77.5	116.3#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 38.711 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :

MSVOA_W

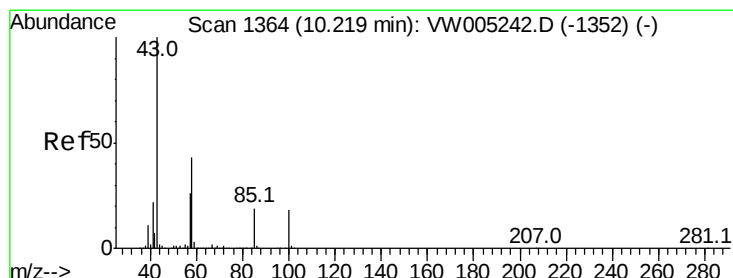
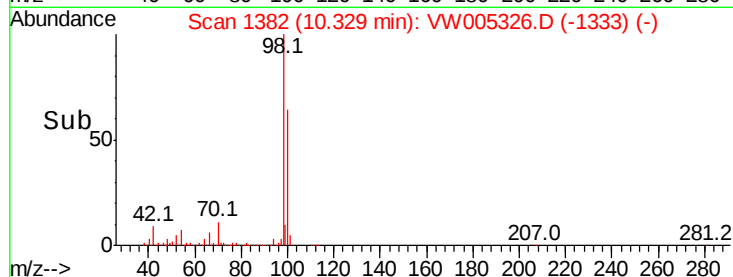
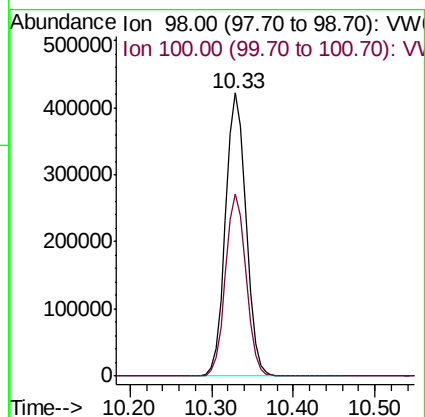
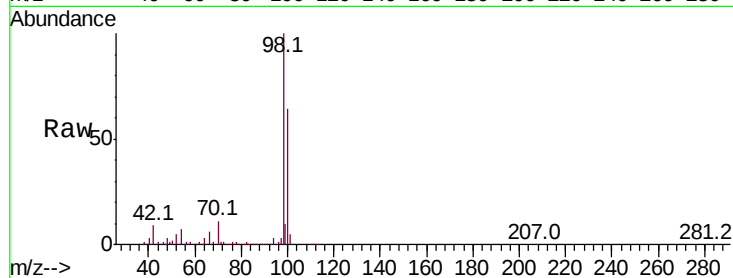
ClientSampleId :

Tot Ion: 98 Resp: 736421

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.077 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.11 min

Lab File: VW005326.D

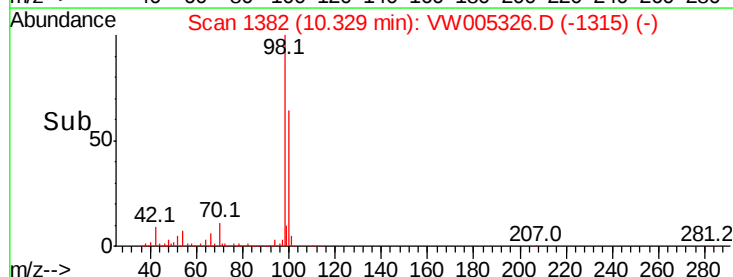
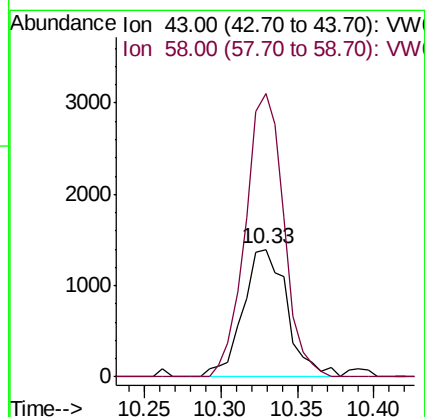
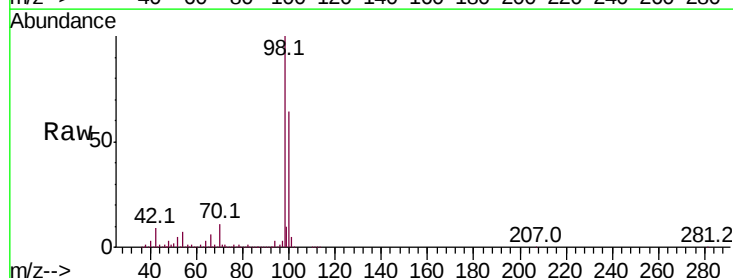
Acq: 12 Sep 2018 15:32

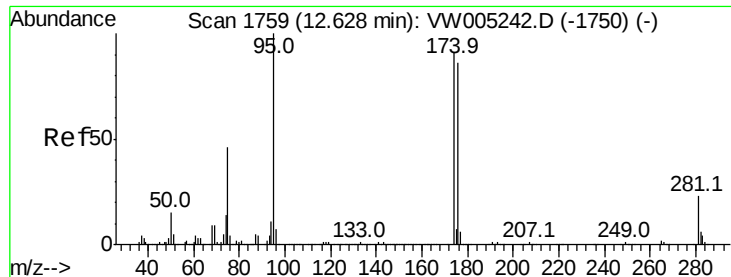
Tgt Ion: 43 Resp: 2818

Ion Ratio Lower Upper

43 100

58 192.8 33.8 50.6#





#62

4-Bromofluorobenzene

Concen: 38.334 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :

MSVOA_W

ClientSampleId :

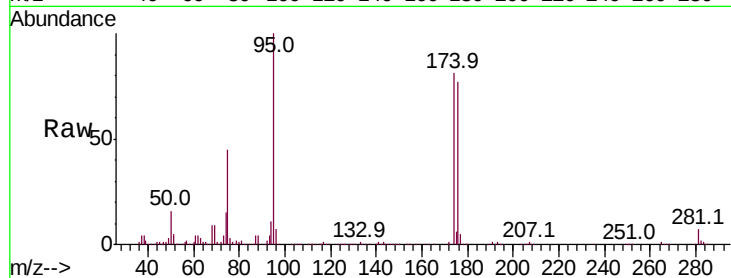
Tot Ion: 95 Resp: 266739

Ion Ratio Lower Upper

95 100

174 88.2 0.0 174.6

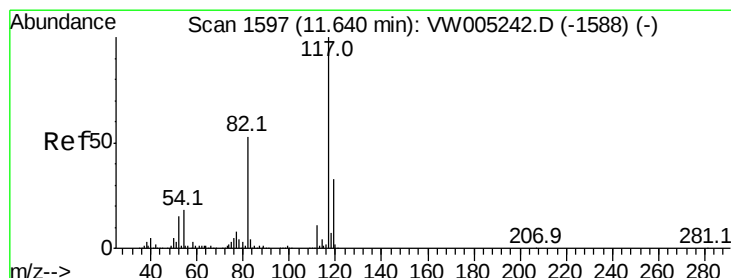
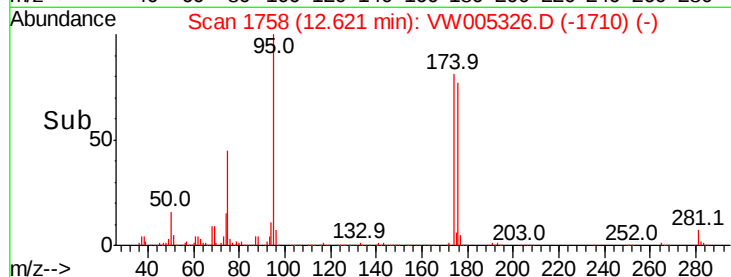
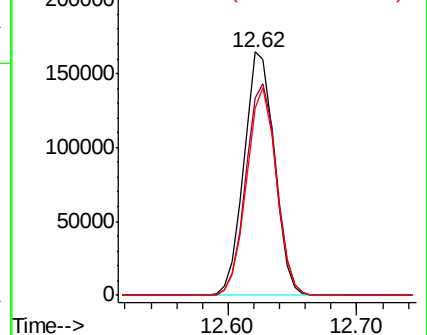
176 83.8 0.0 167.6



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. -0.01 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

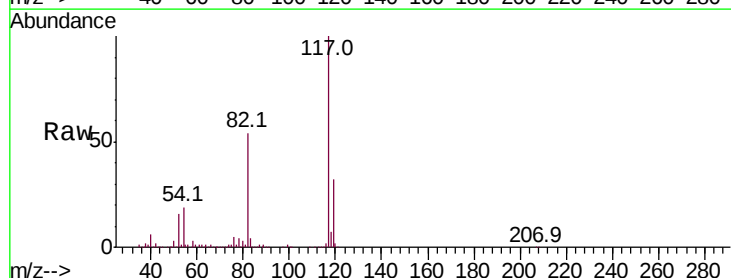
Tgt Ion: 117 Resp: 717944

Ion Ratio Lower Upper

117 100

82 54.3 42.6 63.8

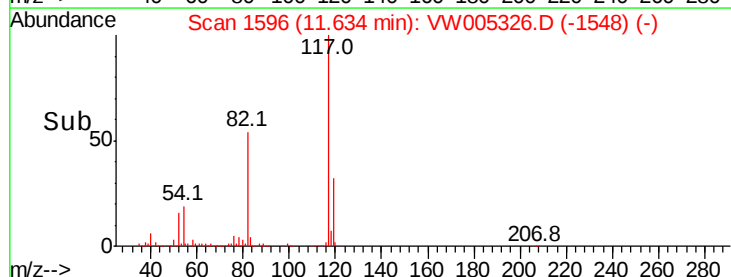
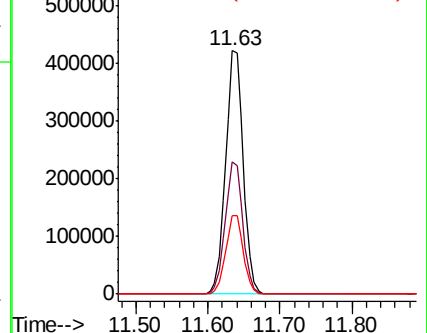
119 32.3 26.2 39.4

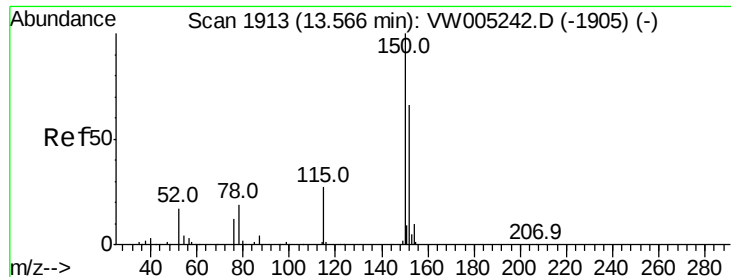


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



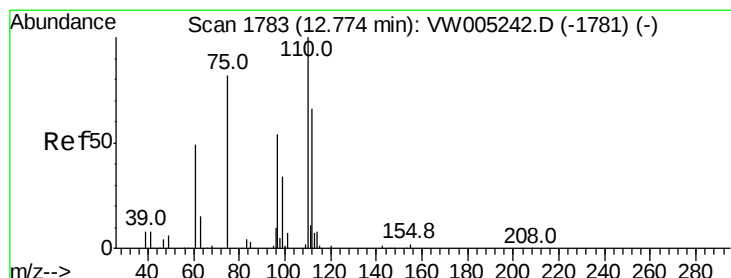
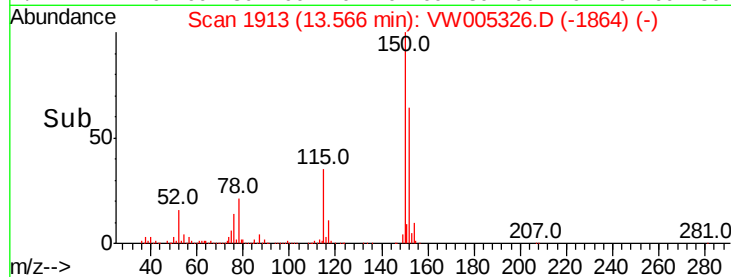
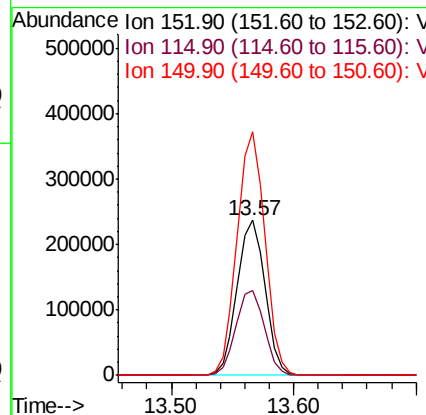
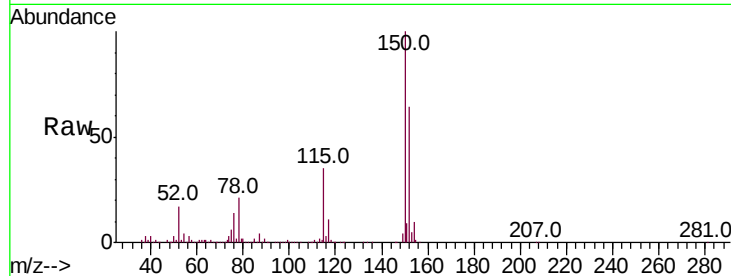


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

Instrument :
MSVOA_W
ClientSampleId :

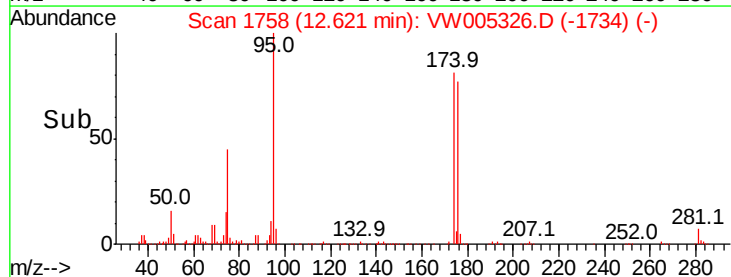
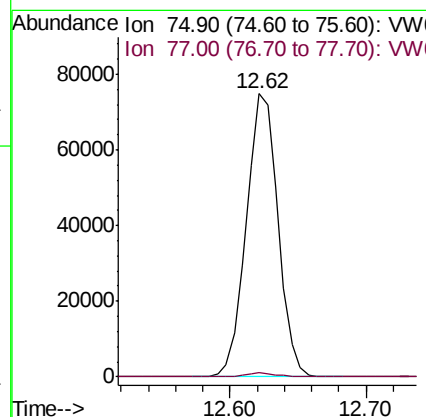
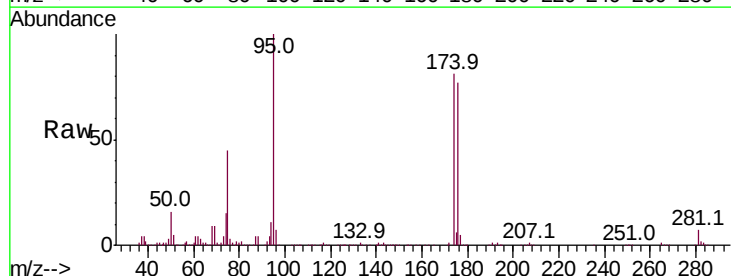
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.5	82.4
150	156.9	0.0	347.4

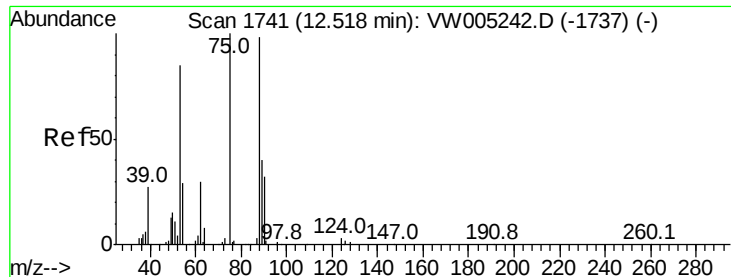


#76

1,2,3-Trichloropropane
Concen: 42.459 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005326.D
Acq: 12 Sep 2018 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 99.576 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005326.D

Acq: 12 Sep 2018 15:32

Instrument :

MSVOA_W

ClientSampleId :

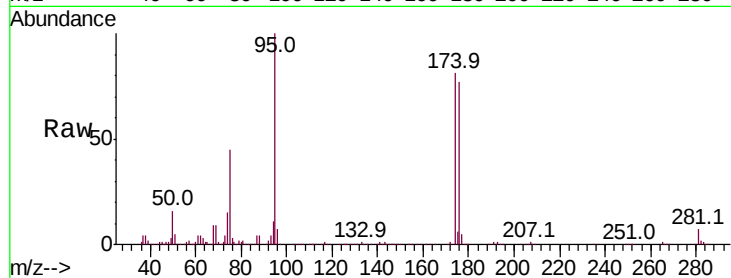
Tot Ion: 75 Resp: 122003

Ion Ratio Lower Upper

75 100

53 0.2 67.0 100.6#

89 0.0 37.0 55.4#



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

