

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122018\
 Data File : VW007683.D
 Acq On : 19 Dec 2018 04:06
 Operator : SY/AP
 Sample : J6386-06
 Misc : 5.69G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 06:02:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	42734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	75814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	57599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	31092	65.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.16%	
35) Dibromofluoromethane	7.88	113	27597	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
50) Toluene-d8	10.32	98	76541	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
62) 4-Bromofluorobenzene	12.62	95	20797	32.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.74%	

Target Compounds

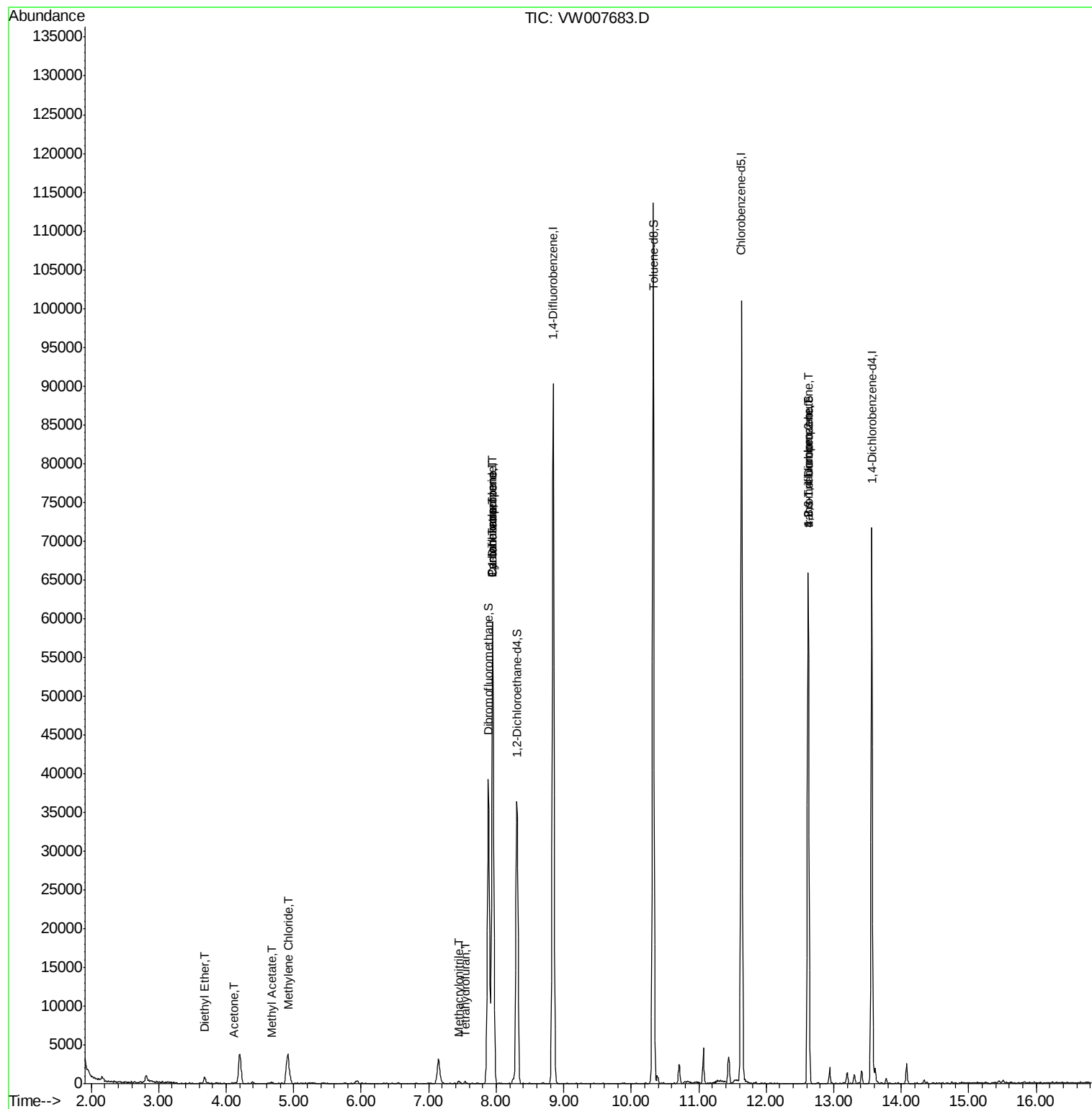
					Qvalue	
8) Diethyl Ether	3.68	74	455	2.203	ug/l	55
16) Acetone	4.11	43	138	1.666	ug/l #	44
18) Methyl Acetate	4.67	43	372	1.655	ug/l #	49
20) Methylene Chloride	4.92	84	3463	4.046	ug/l	91
29) Tetrahydrofuran	7.54	42	139	2.031	ug/l #	44
31) Cyclohexane	7.95	56	885	1.202	ug/l #	30
36) 1,1-Dichloropropene	7.95	75	3453	4.993	ug/l #	47
38) Carbon Tetrachloride	7.95	117	4704	6.251	ug/l #	18
41) Methacrylonitrile	7.45	41	196	1.338	ug/l #	25
76) 1,2,3-Trichloropropane	12.62	75	10605	67.952	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	10605	150.106	ug/l #	7

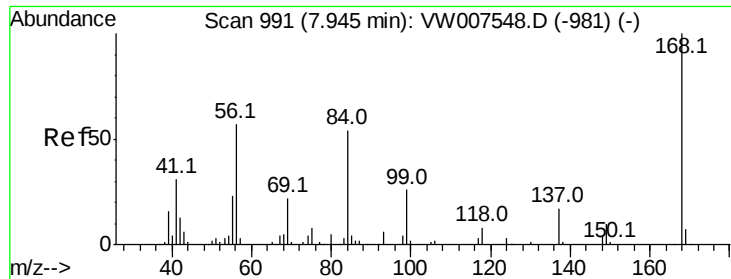
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 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: VW007683.D

Acq: 19 Dec 2018 04:06

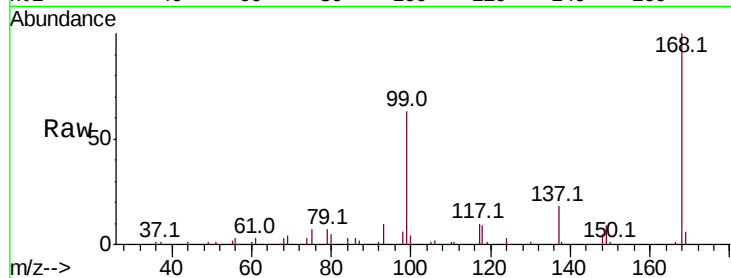
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 42734

Ion Ratio Lower Upper

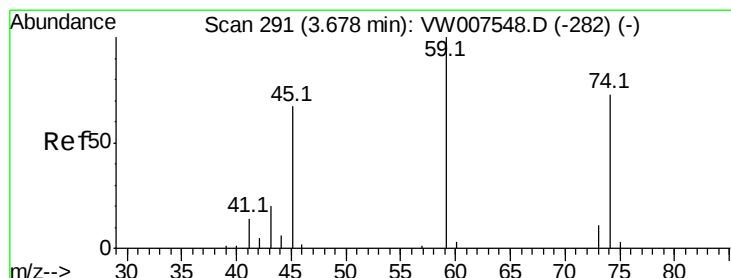
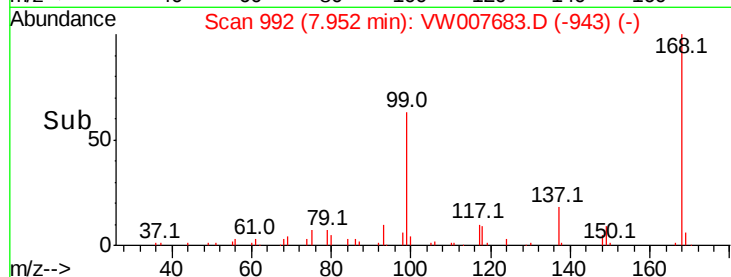
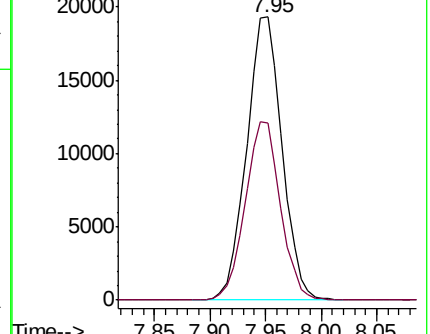
168 100

99 62.6 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.203 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW007683.D

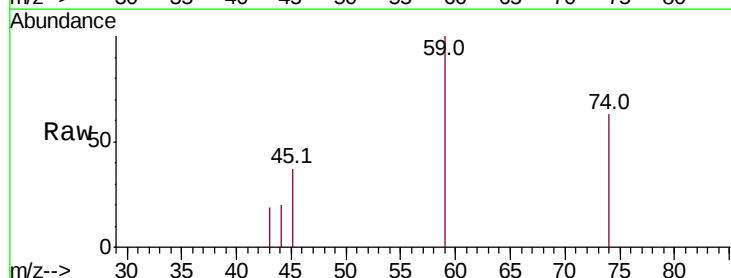
Acq: 19 Dec 2018 04:06

Tgt Ion: 74 Resp: 455

Ion Ratio Lower Upper

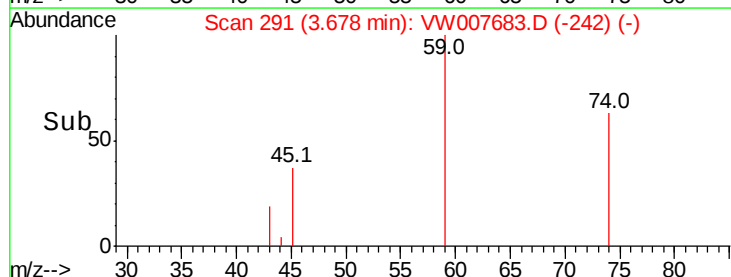
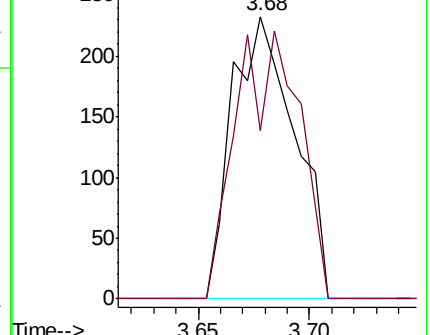
74 100

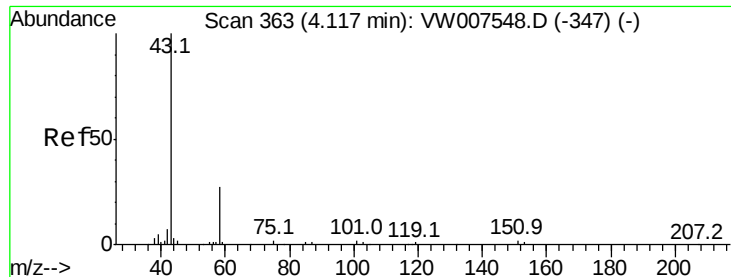
45 45.1 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 1.666 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

Instrument :

MSVOA_W

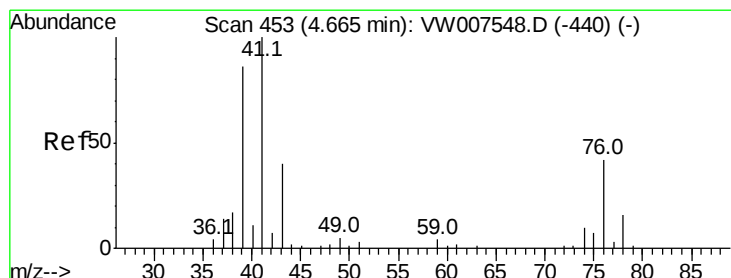
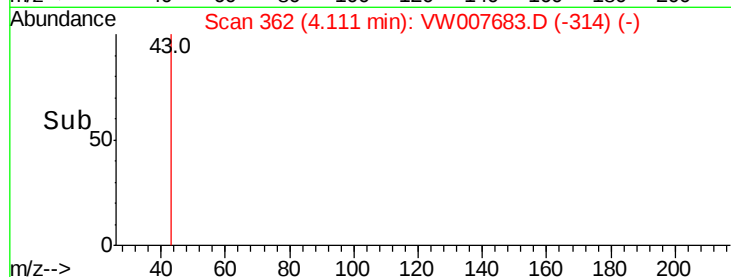
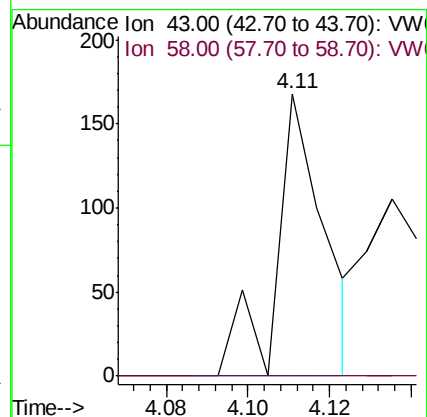
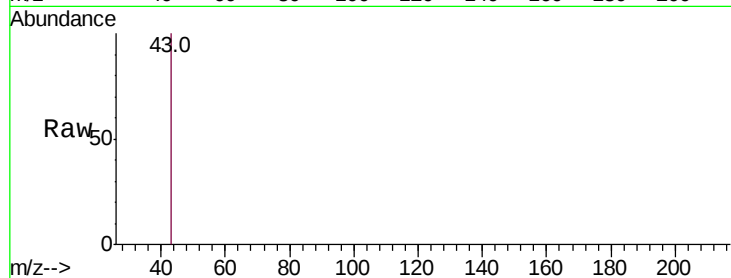
ClientSampled :

Tot Ion: 43 Resp: 138

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#18

Methyl Acetate

Concen: 1.655 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007683.D

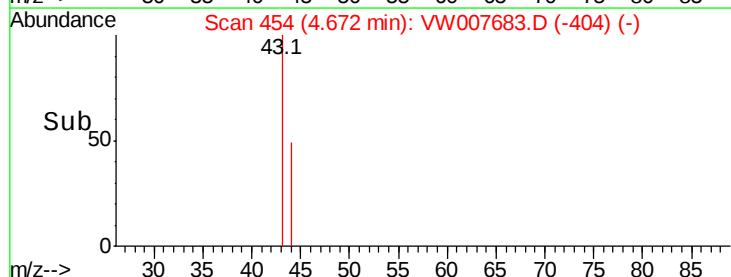
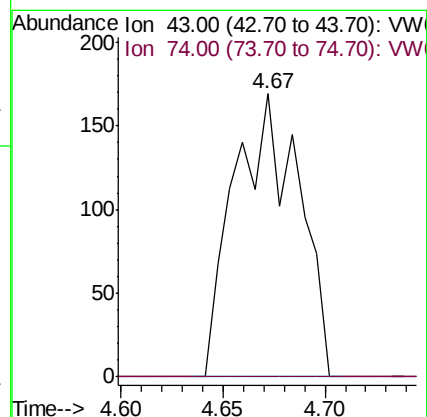
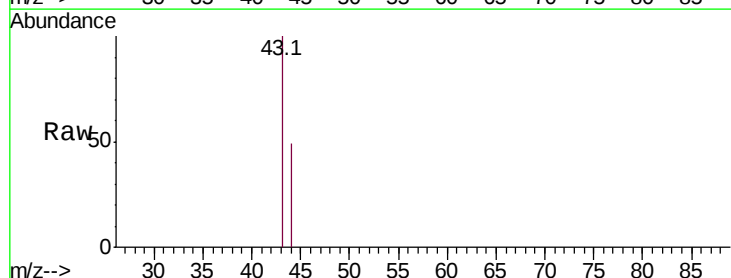
Acq: 19 Dec 2018 04:06

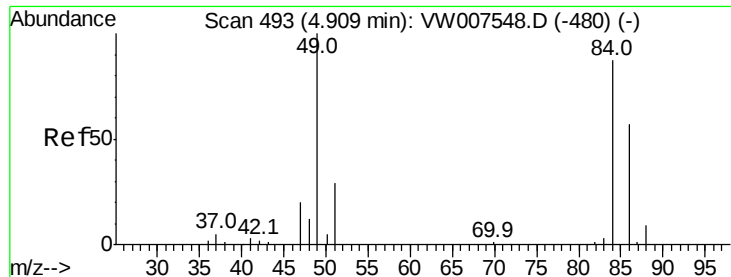
Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

74 0.0 21.1 31.7#





#20

Methvlene Chloride

Concen: 4.046 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 84 Resp: 3463

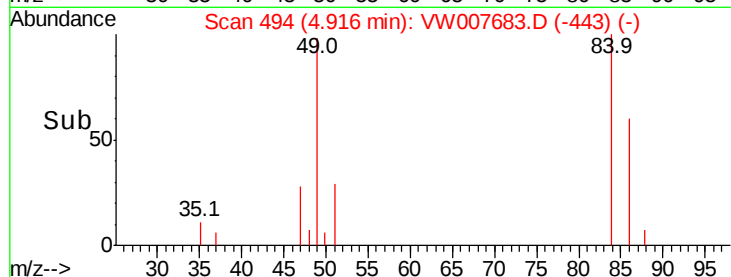
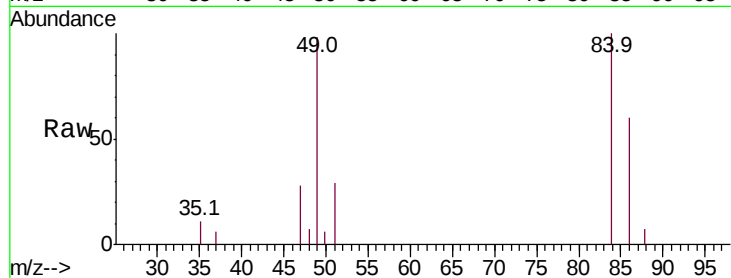
Ion Ratio Lower Upper

84 100

49 98.0 87.1 130.7

51 28.6 28.2 42.2

86 60.4 50.8 76.2

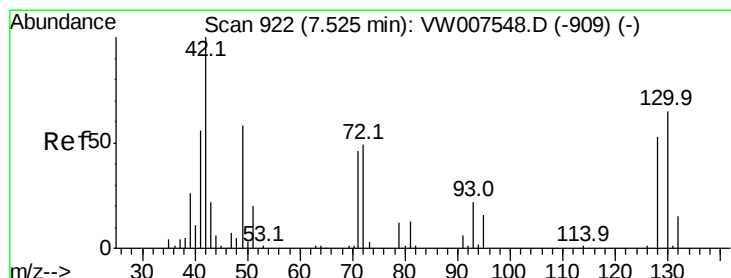
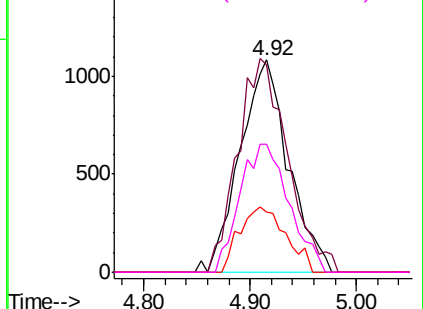


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 2.031 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

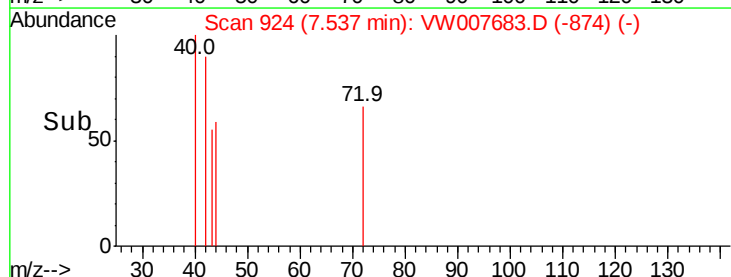
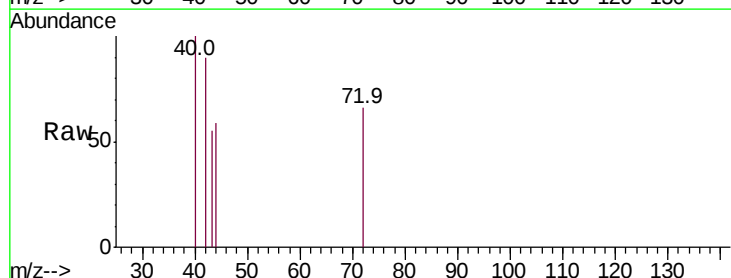
Tgt Ion: 42 Resp: 139

Ion Ratio Lower Upper

42 100

72 18.0 38.2 57.4#

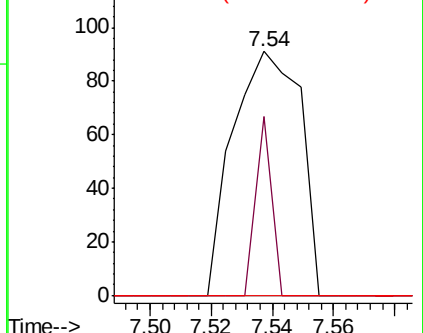
71 0.0 35.5 53.3#

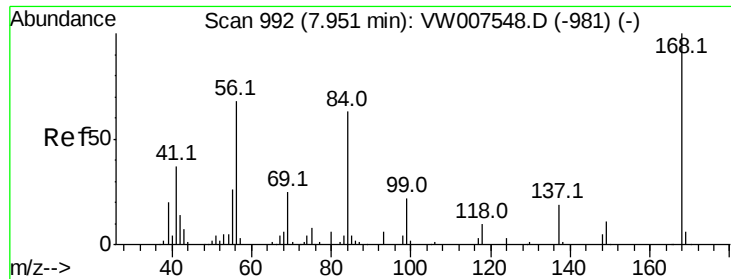


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

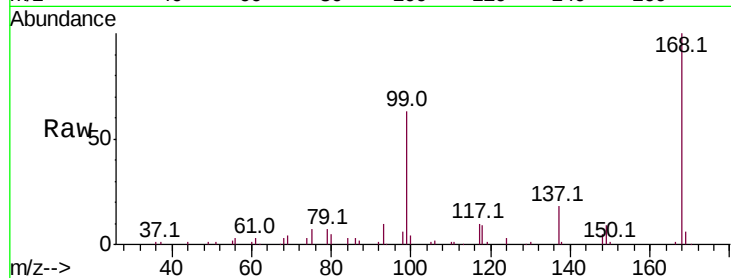




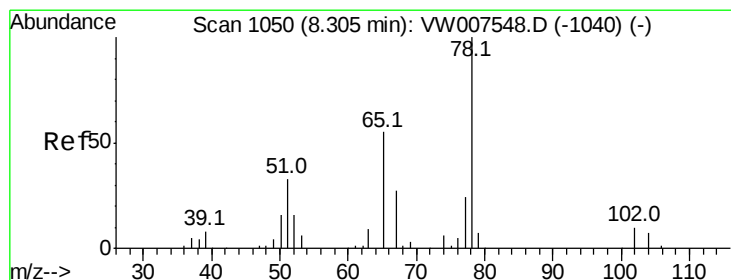
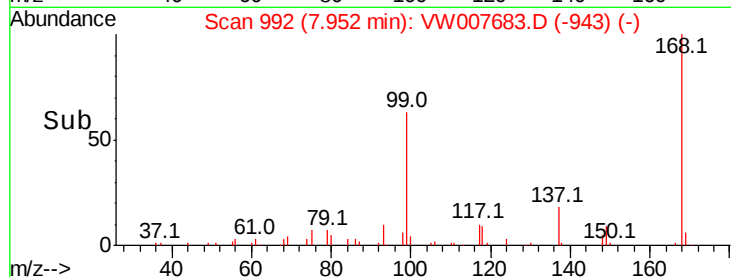
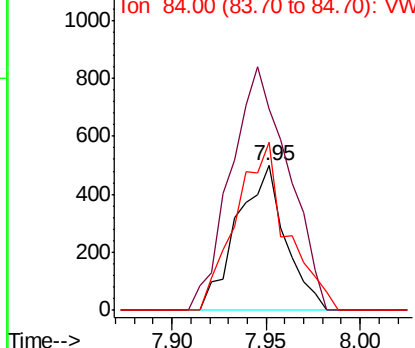
#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007683.D
Acq: 19 Dec 2018 04:06

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 885
Ion Ratio Lower Upper
56 100
69 138.6 28.9 43.3#
84 115.6 71.8 107.6#

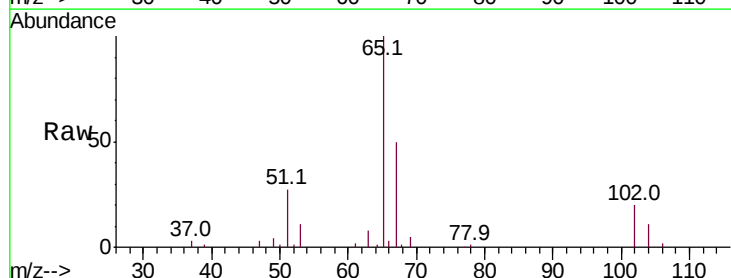


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

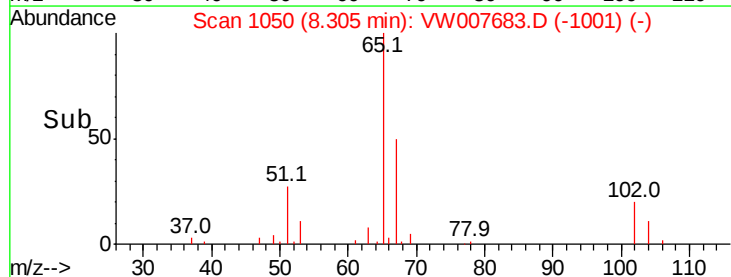
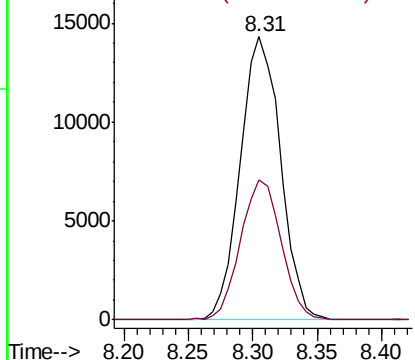


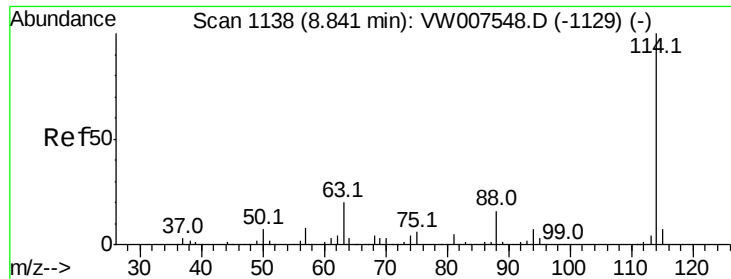
#33
1,2-Dichloroethane-d4
Concen: 65.581 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW007683.D
Acq: 19 Dec 2018 04:06

Tgt Ion: 65 Resp: 31092
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.6



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

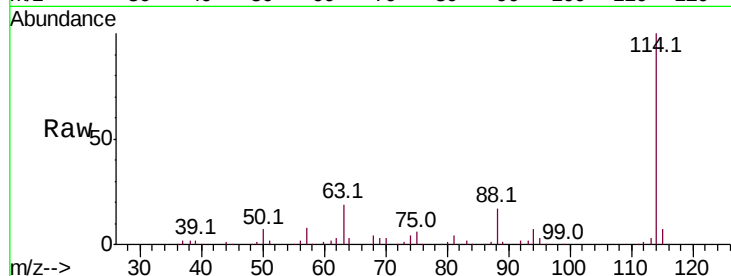




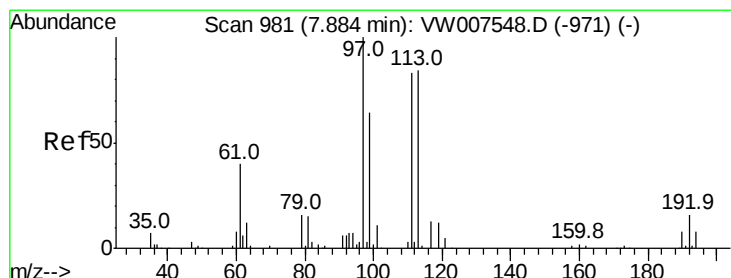
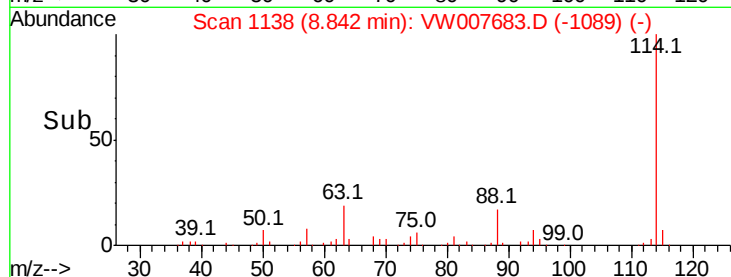
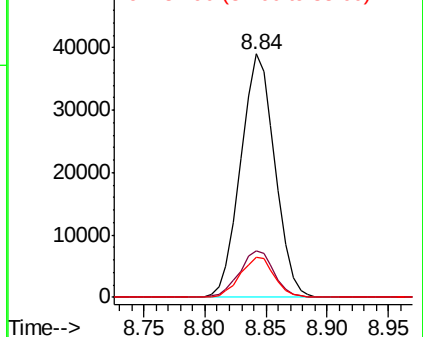
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007683.D
 Acq: 19 Dec 2018 04:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:114 Resp: 75814
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.6 0.0 31.4

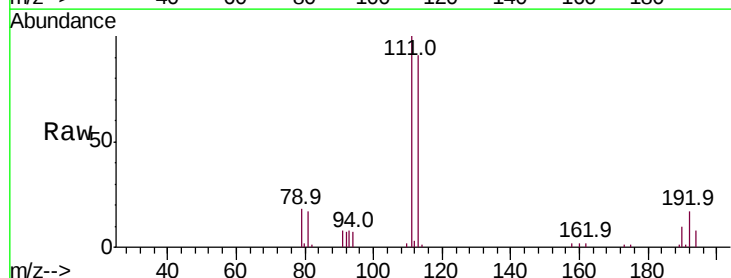


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

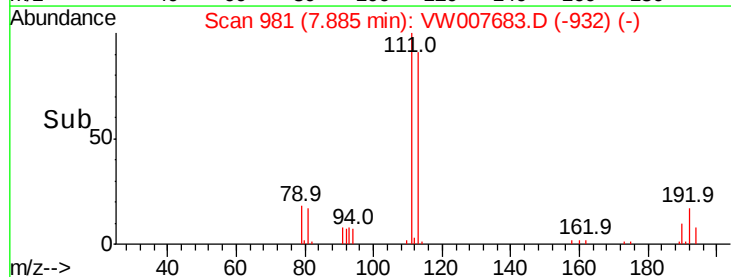
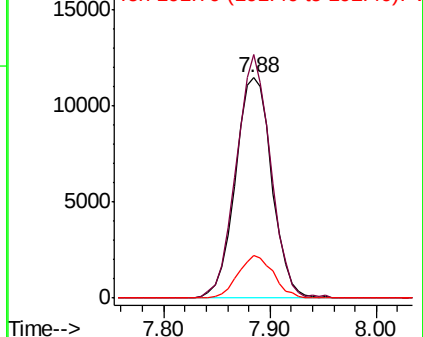


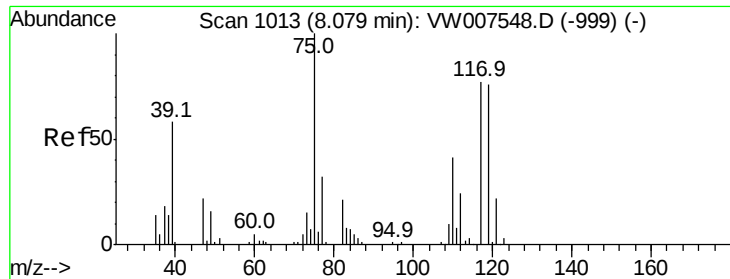
#35
 Dibromofluoromethane
 Concen: 60.133 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007683.D
 Acq: 19 Dec 2018 04:06

Tgt Ion:113 Resp: 27597
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.1 121.7
 192 18.7 14.6 21.8



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

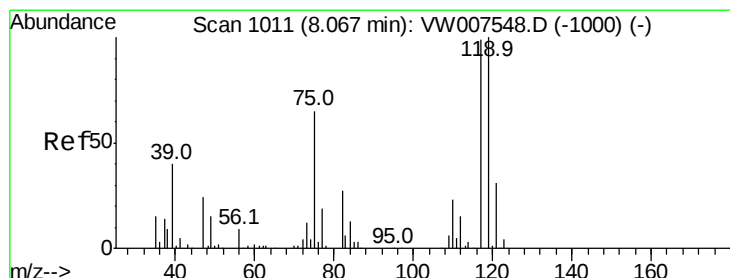
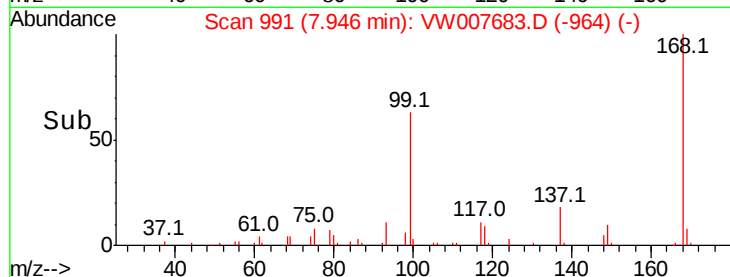
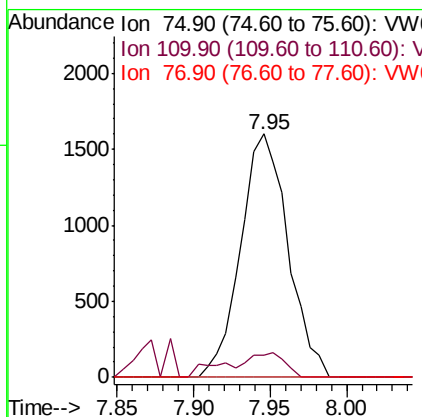
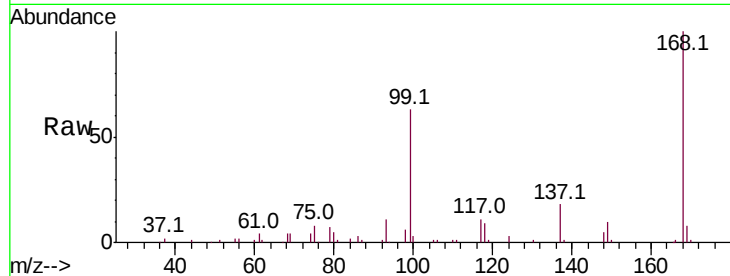




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007683.D
 Acq: 19 Dec 2018 04:06

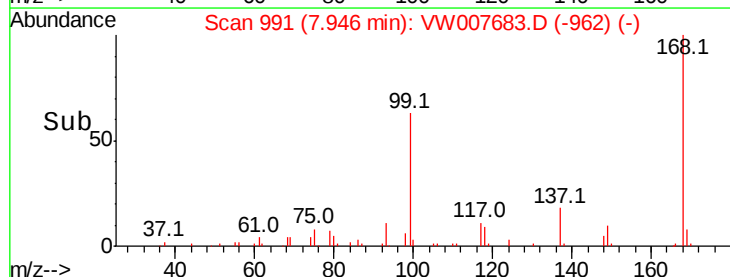
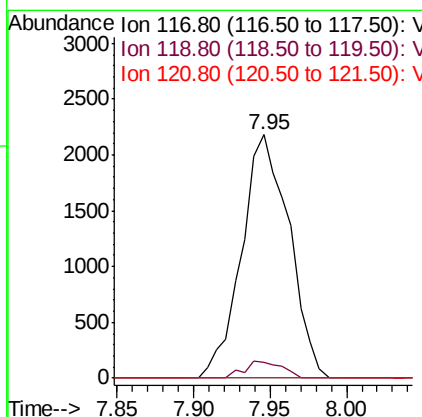
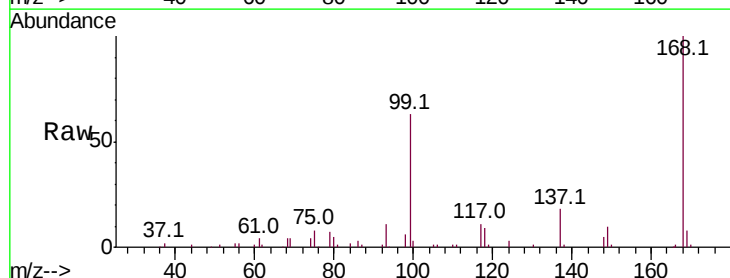
Instrument :
 MSVOA_W
 ClientSampleId :

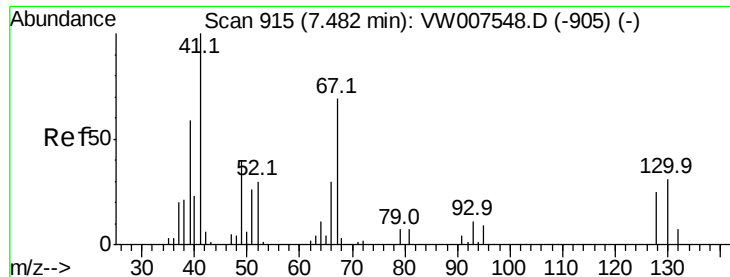
Tot Ion: 75 Resp: 3453
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.5 55.5#
 77 0.0 25.6 38.4#



#38
 Carbon Tetrachloride
 Concen: 6.251 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW007683.D
 Acq: 19 Dec 2018 04:06

Tgt Ion: 117 Resp: 4704
 Ion Ratio Lower Upper
 117 100
 119 6.3 74.3 111.5#
 121 0.0 24.3 36.5#





#41

Methacrylonitrile

Concen: 1.338 ug/l

RT: 7.45 min Scan# 909

Delta R.T. -0.04 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 41 Resp: 196

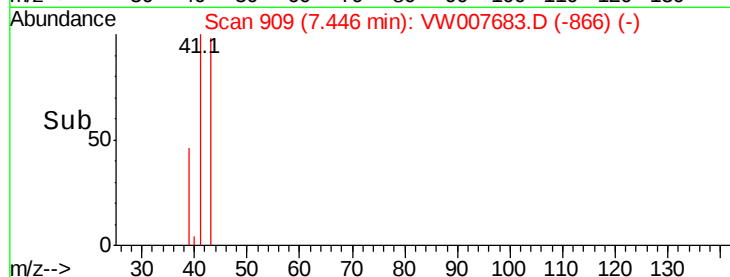
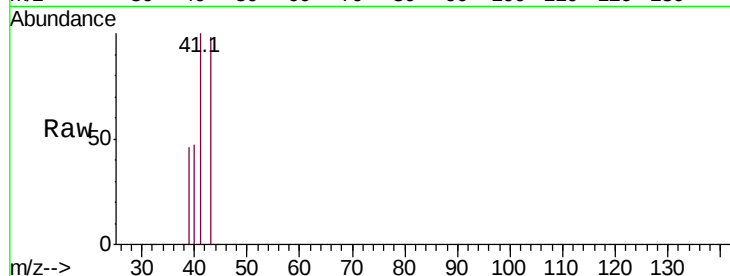
Ion Ratio Lower Upper

41 100

39 11.2 52.2 78.2#

67 0.0 60.5 90.7#

52 0.0 25.3 37.9#

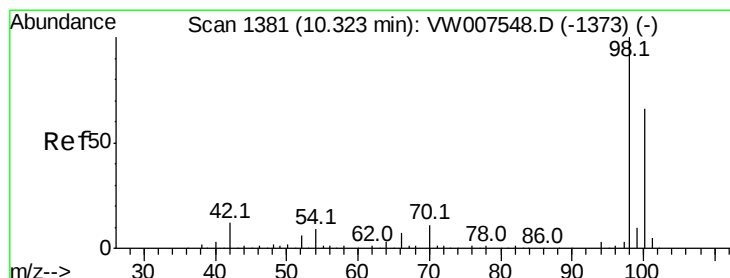
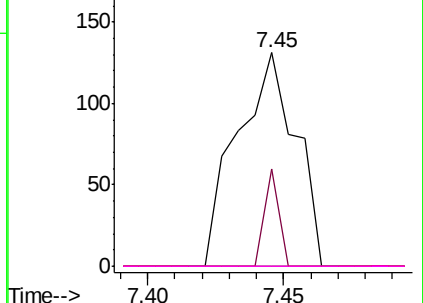


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 44.481 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007683.D

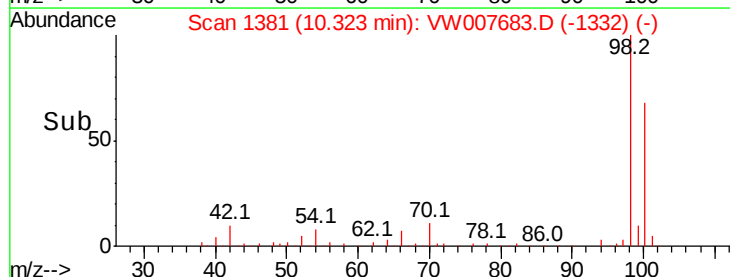
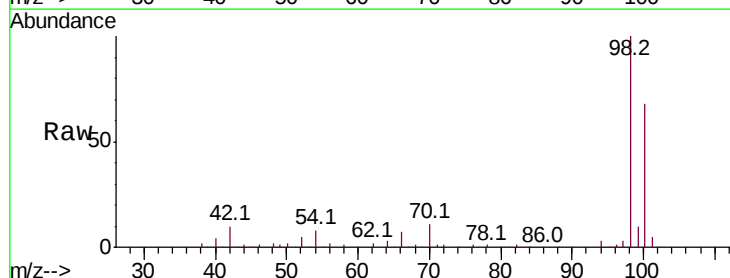
Acq: 19 Dec 2018 04:06

Tgt Ion: 98 Resp: 76541

Ion Ratio Lower Upper

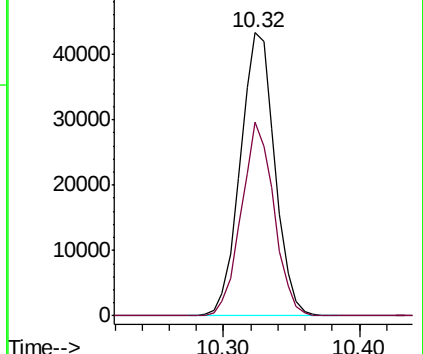
98 100

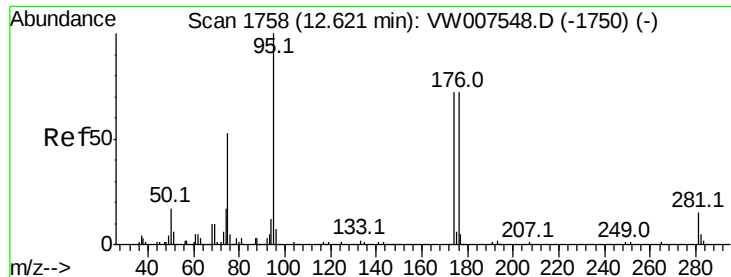
100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

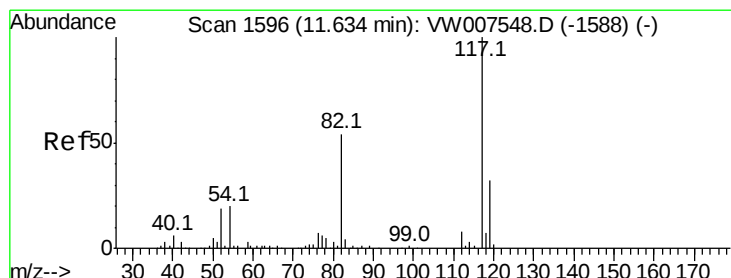
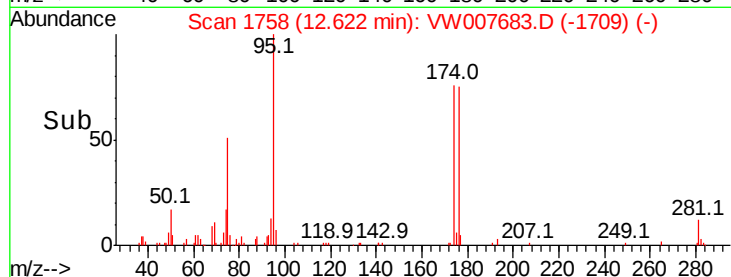
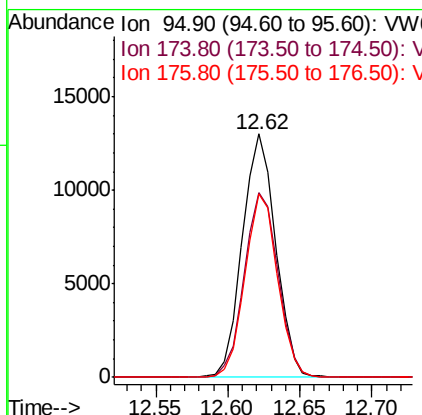
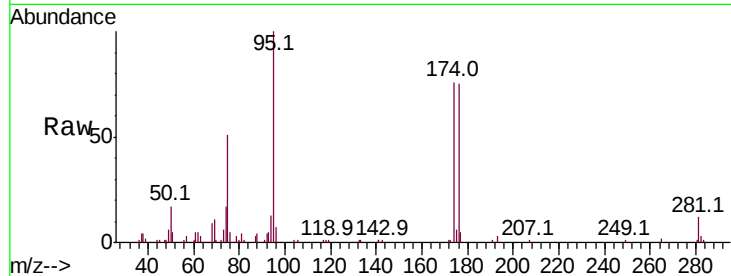




#62
4-Bromofluorobenzene
Concen: 32.872 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007683.D
Acq: 19 Dec 2018 04:06

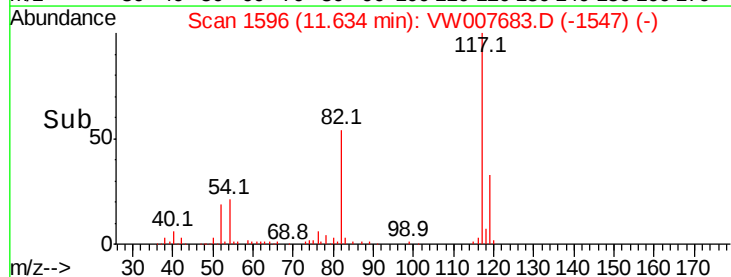
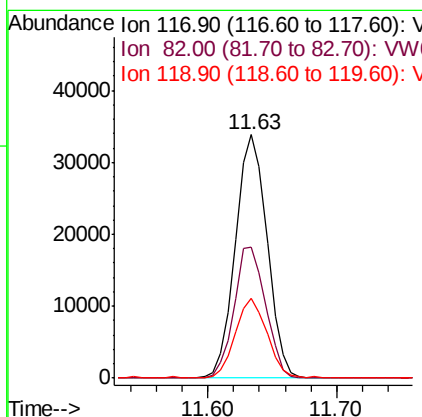
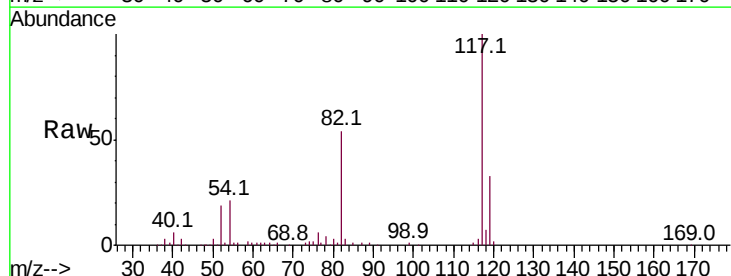
Instrument :
MSVOA_W
ClientSampleId :

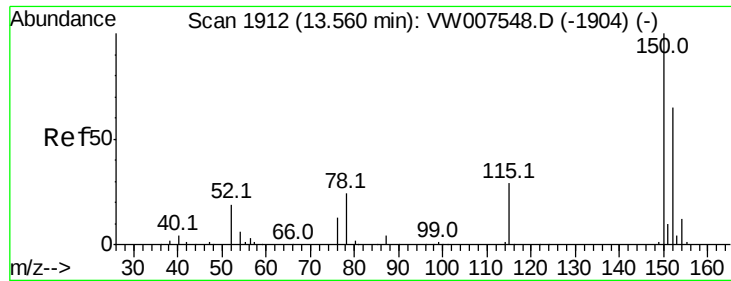
Tot Ion: 95 Resp: 20797
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.2
176 73.8 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007683.D
Acq: 19 Dec 2018 04:06

Tgt Ion: 117 Resp: 57599
Ion Ratio Lower Upper
117 100
82 53.6 42.3 63.5
119 32.6 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

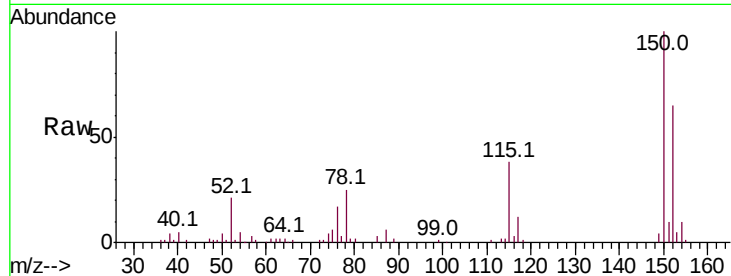
Tot Ion:152 Resp: 18928

Ion Ratio Lower Upper

152 100

115 60.0 31.4 94.2

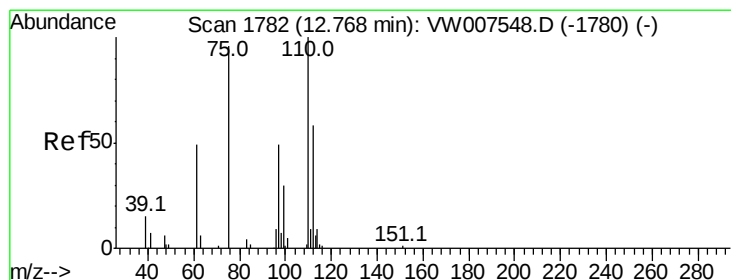
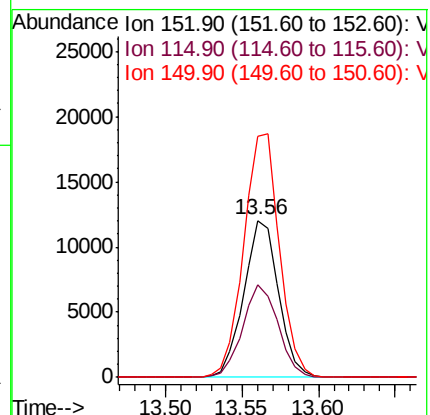
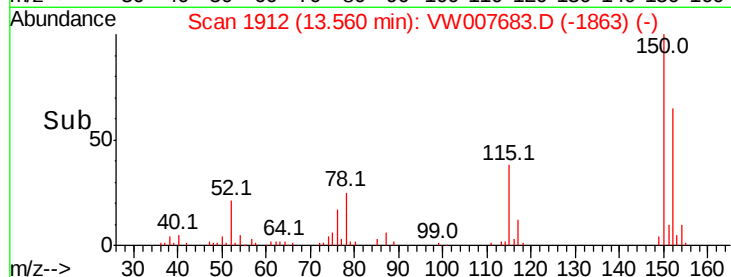
150 159.1 0.0 358.4



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: 67.952 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007683.D

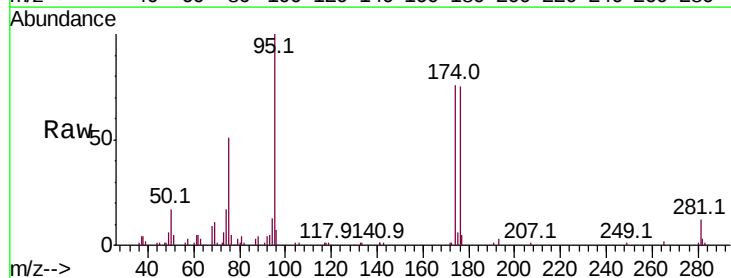
Acq: 19 Dec 2018 04:06

Tgt Ion: 75 Resp: 10605

Ion Ratio Lower Upper

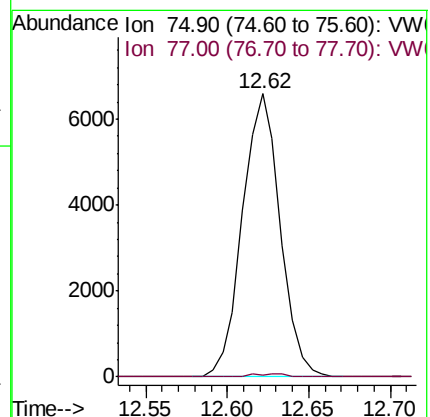
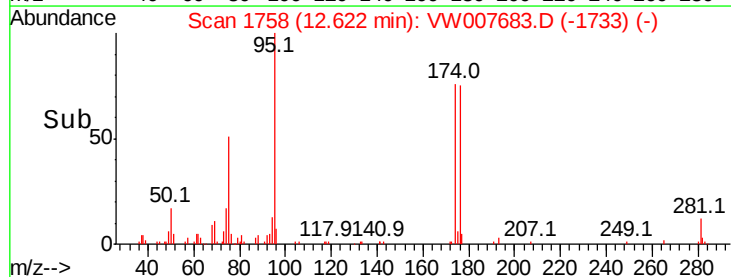
75 100

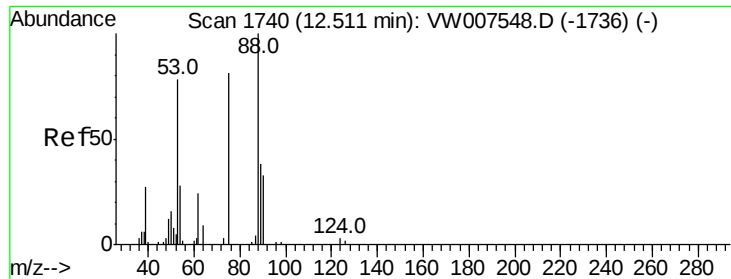
77 0.9 166.9 500.8#



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: 150.106 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007683.D

Acq: 19 Dec 2018 04:06

Instrument :

MSVOA_W

ClientSampleId :

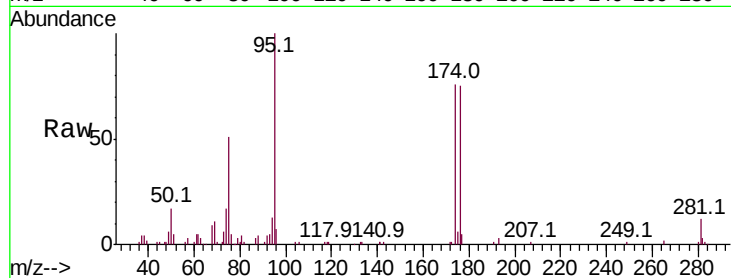
Tot Ion: 75 Resp: 10605

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

