

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009165.D
 Acq On : 13 Mar 2019 19:36
 Operator : SY/VA
 Sample : K1897-06RE
 Misc : 5.82G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 14 05:23:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159679	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	162492	60.75	ug/l	0.00
Spiked Amount			Recovery	=	121.50%	
35) Dibromofluoromethane	7.88	113	127625	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
50) Toluene-d8	10.32	98	499587	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.62	95	166770	40.86	ug/l	0.00
Spiked Amount			Recovery	=	81.72%	

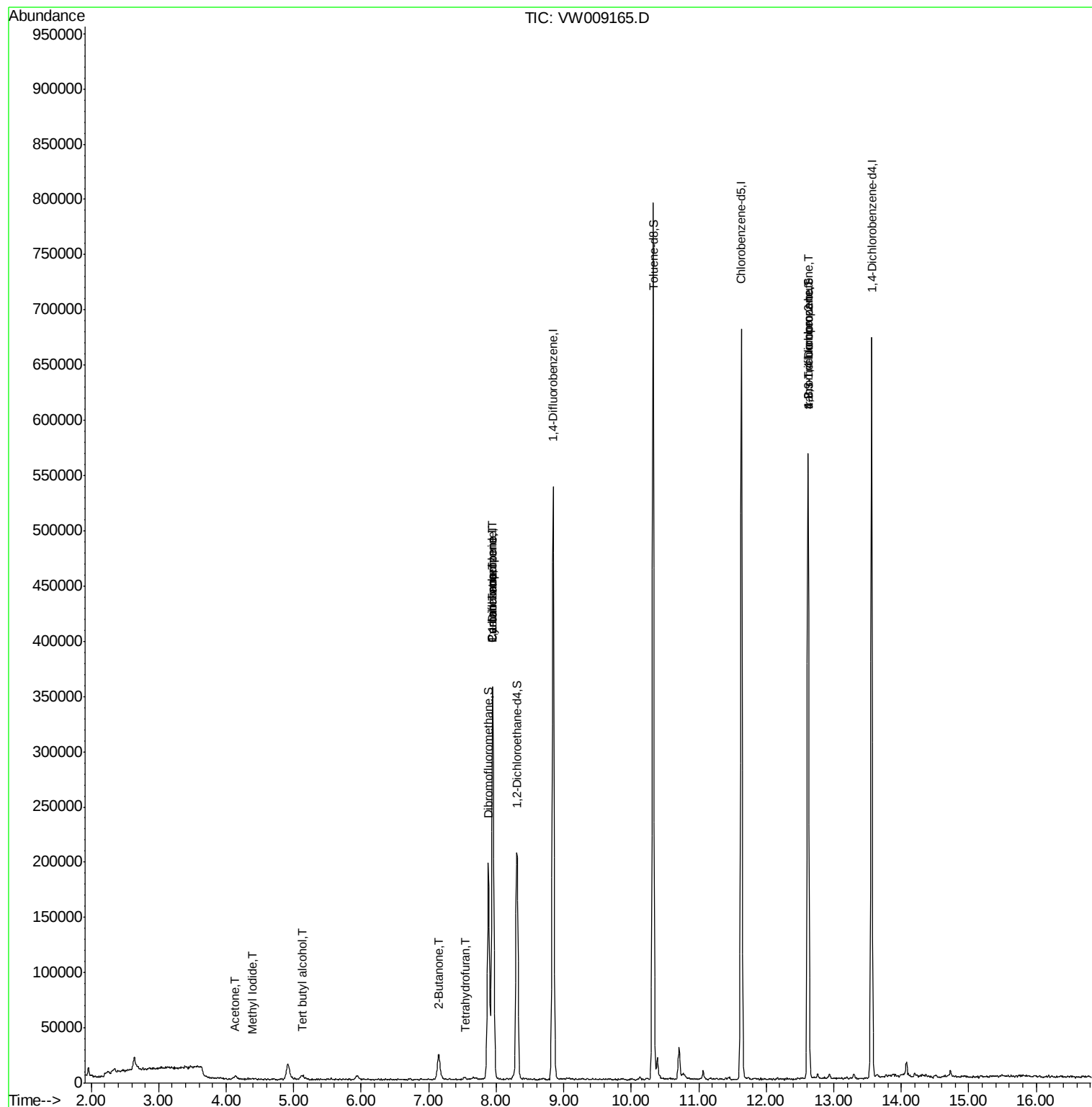
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.39	142	22	3.194	ug/l #	40
11) Tert butyl alcohol	5.13	59	3582	17.475	ug/l #	75
16) Acetone	4.14	43	5456	9.039	ug/l	98
20) Methylene Chloride	4.92	84	10664	Below Cal		85
25) 2-Butanone	7.15	43	1945	2.331	ug/l #	75
29) Tetrahydrofuran	7.54	42	1533	2.916	ug/l #	82
31) Cyclohexane	7.95	56	6661	1.335	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	21280	4.854	ug/l #	50
38) Carbon Tetrachloride	7.95	117	27022	5.969	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	87856	69.639	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	87856	155.764	ug/l #	5

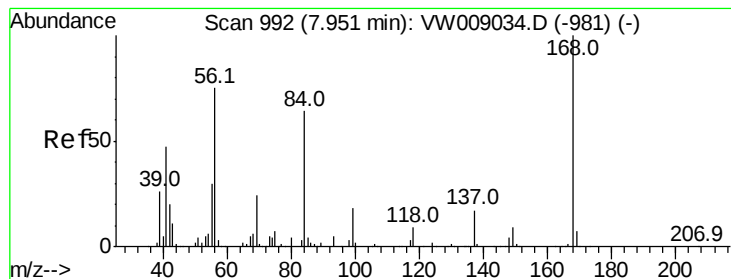
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 05:22:30 2019
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: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

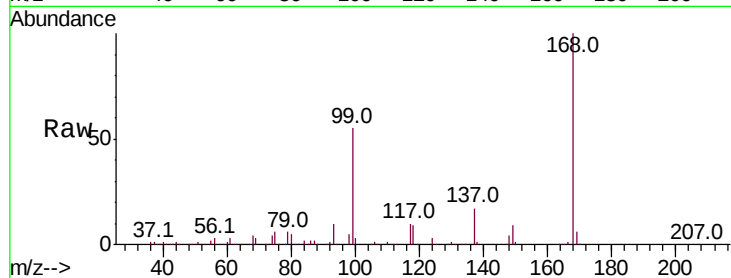
ClientSampled :

Tot Ion:168 Resp: 265876

Ion Ratio Lower Upper

168 100

99 55.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

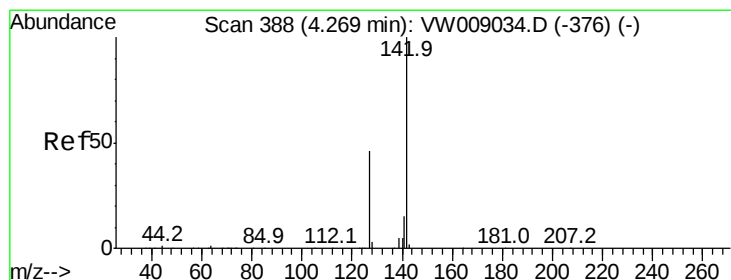
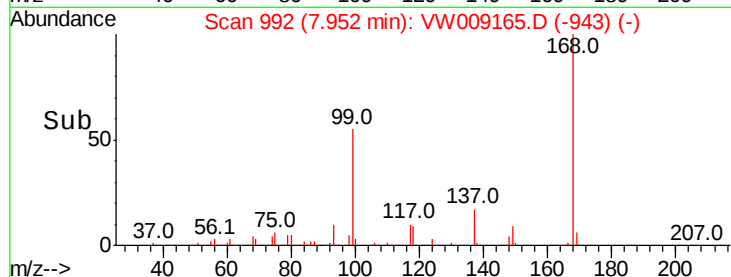
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#10

Methyl Iodide

Concen: 3.194 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.12 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

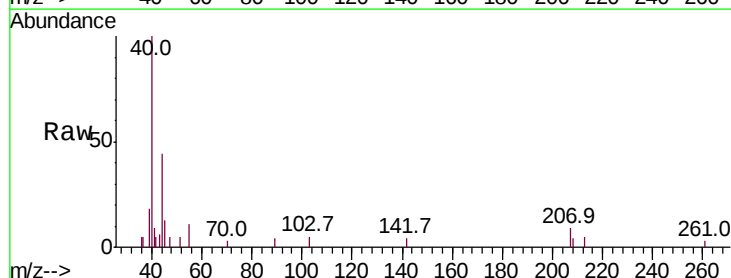
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 35.8 53.6#

141 0.0 11.8 17.8#



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

80

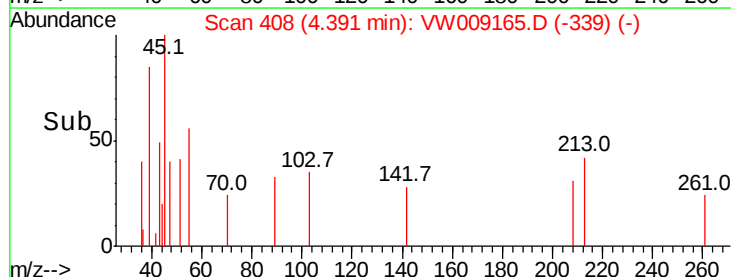
60

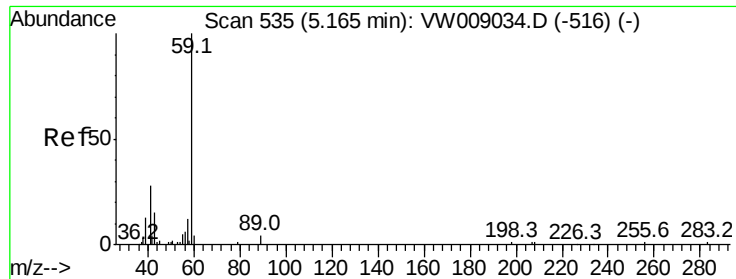
40

20

0

Time--> 4.37 4.38 4.39 4.40 4.41



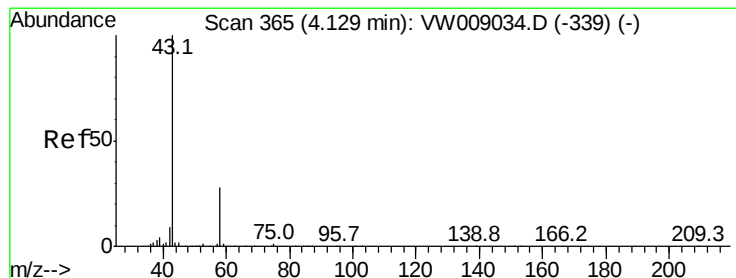
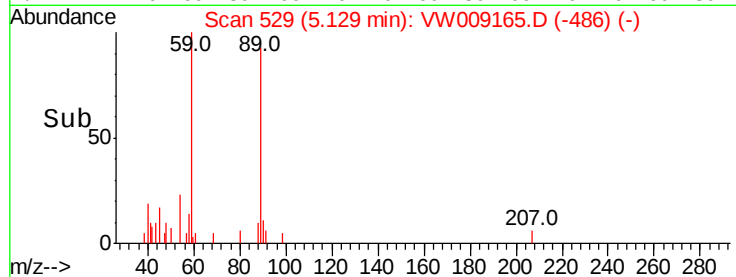
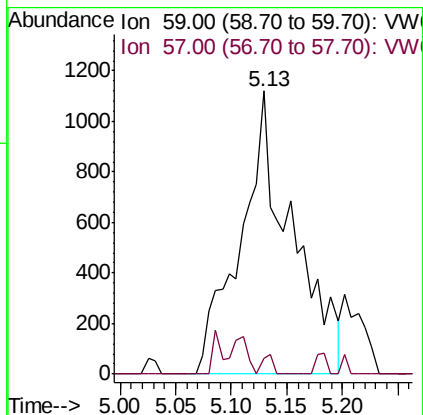
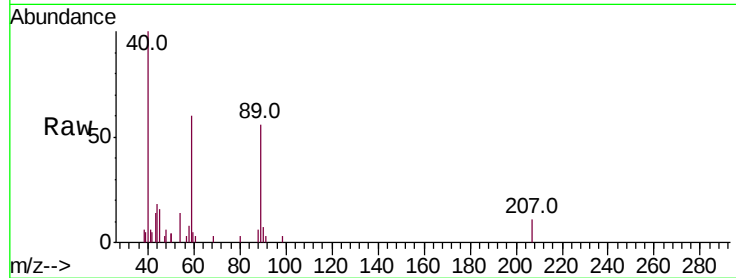


#11

Tert butyl alcohol
 Concen: 17.475 ug/l
 RT: 5.13 min Scan# 529
 Delta R.T. -0.04 min
 Lab File: VW009165.D
 Acq: 13 Mar 2019 19:36

Instrument :
 MSVOA_W
 ClientSampled :

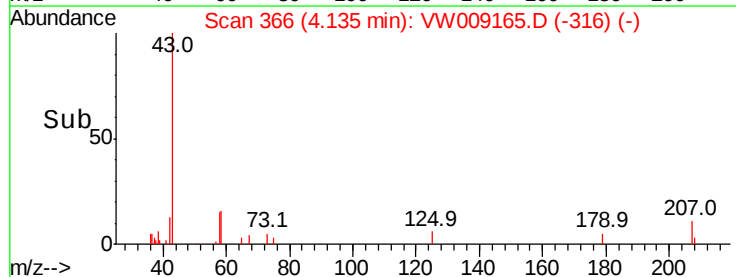
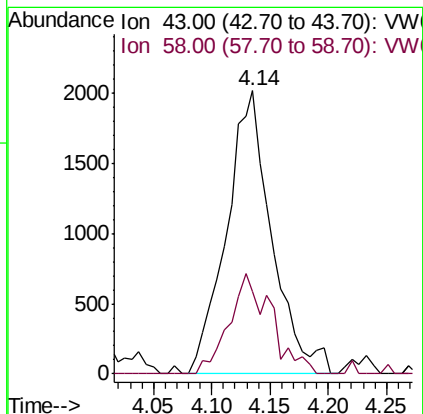
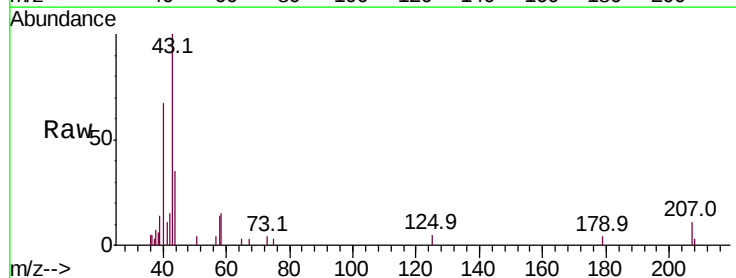
Tot Ion: 59 Resp: 3582
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.6 12.8#

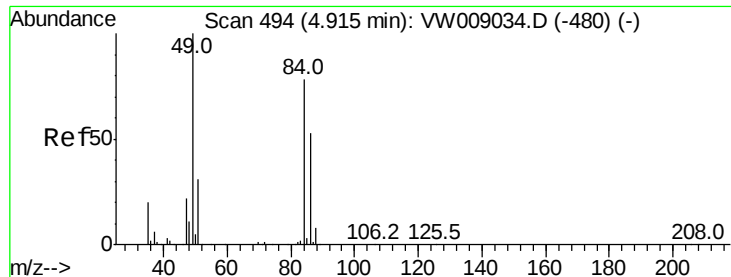


#16

Acetone
 Concen: 9.039 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW009165.D
 Acq: 13 Mar 2019 19:36

Tgt Ion: 43 Resp: 5456
 Ion Ratio Lower Upper
 43 100
 58 29.2 22.5 33.7





#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 10664

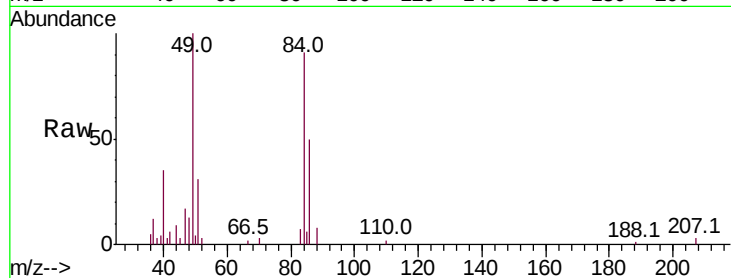
Ion Ratio Lower Upper

84 100

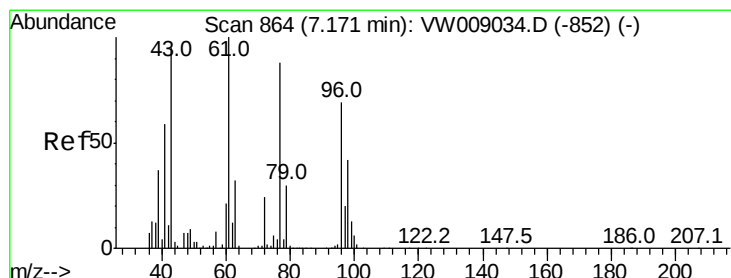
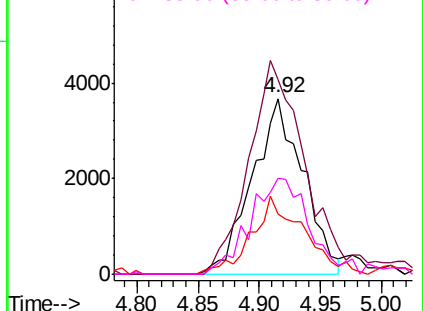
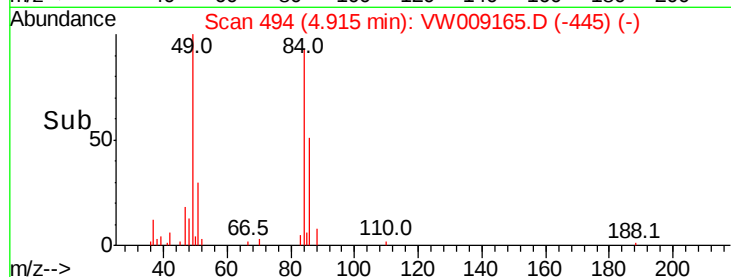
49 110.3 102.4 153.6

51 34.1 31.6 47.4

86 54.6 54.5 81.7



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: 2.331 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW009165.D

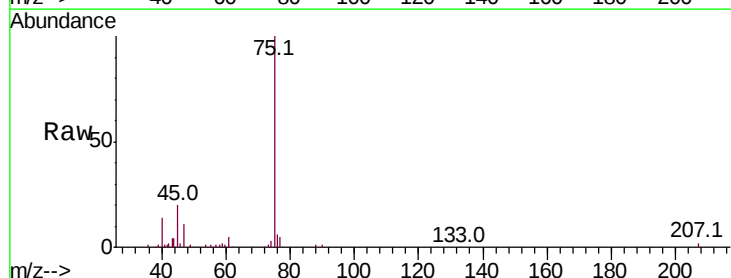
Acq: 13 Mar 2019 19:36

Tgt Ion: 43 Resp: 1945

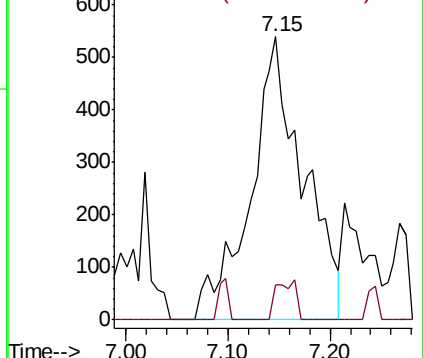
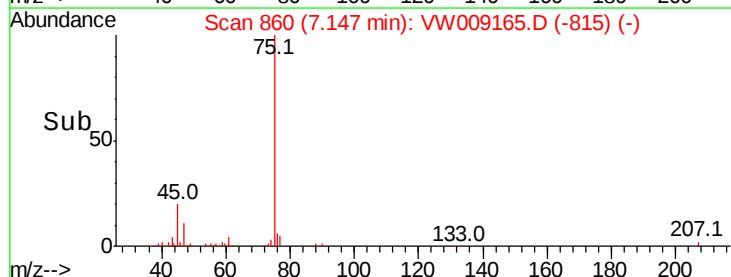
Ion Ratio Lower Upper

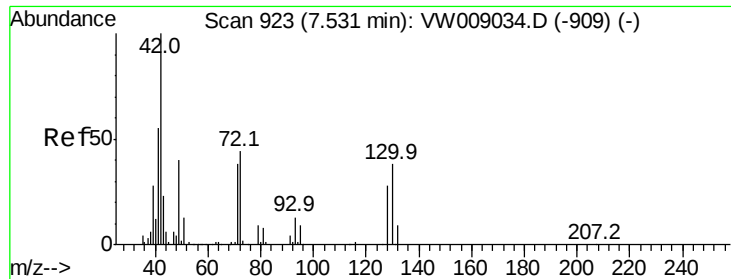
43 100

72 12.4 20.0 30.0#



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

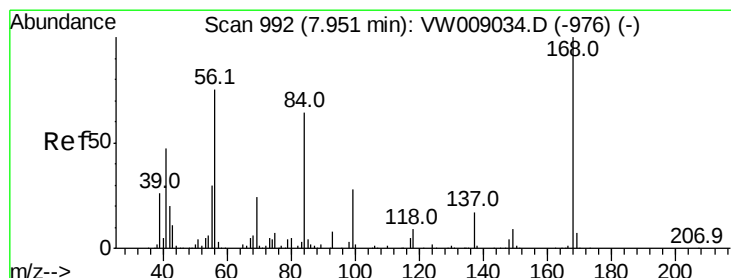
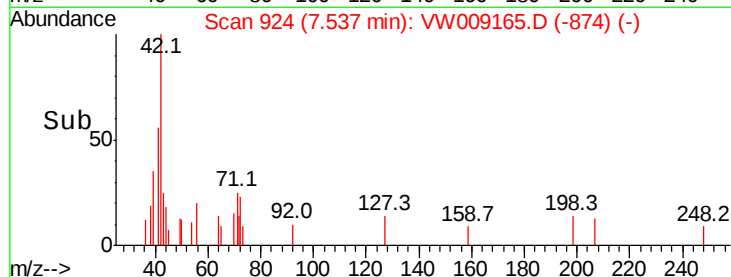
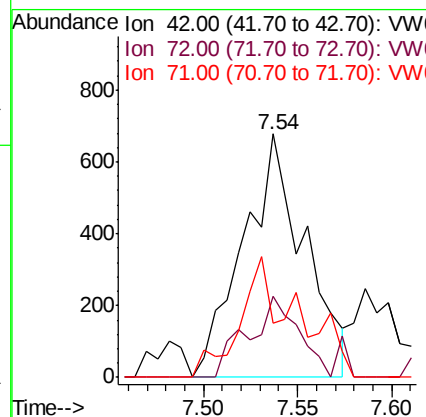
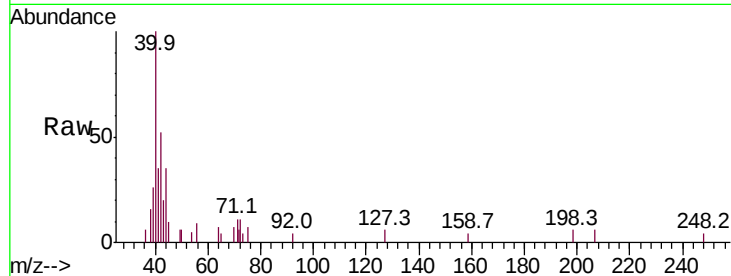




#29
Tetrahydrofuran
Concen: 2.916 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009165.D
Acq: 13 Mar 2019 19:36

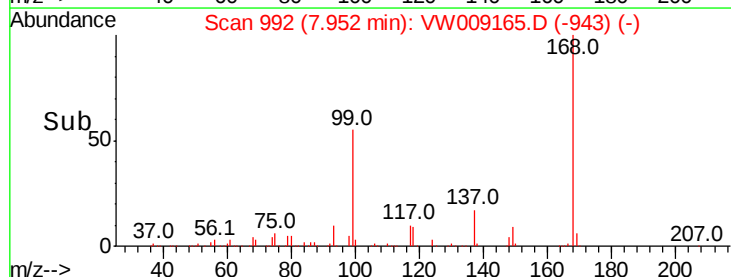
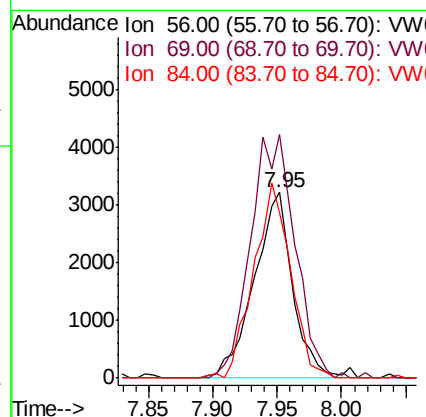
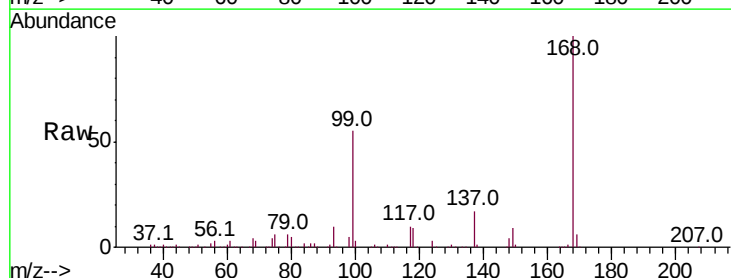
Instrument :
MSVOA_W
ClientSampled :

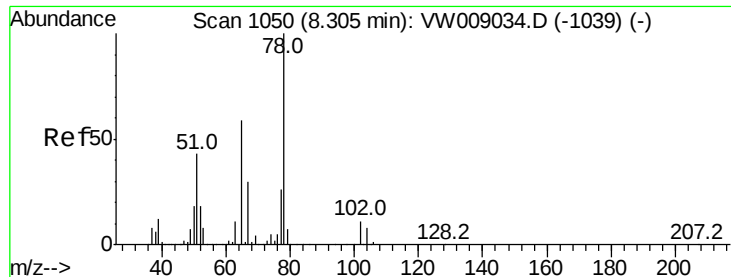
Tot Ion: 42 Resp: 1533
Ion Ratio Lower Upper
42 100
72 27.4 32.2 48.4#
71 29.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.335 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009165.D
Acq: 13 Mar 2019 19:36

Tgt Ion: 56 Resp: 6661
Ion Ratio Lower Upper
56 100
69 131.3 25.5 38.3#
84 89.0 68.6 103.0





#33

1,2-Dichloroethane-d4

Concen: 60.745 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

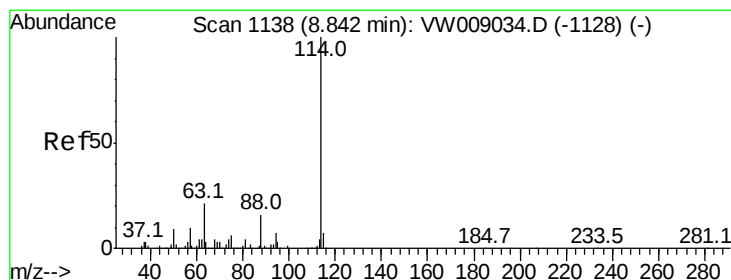
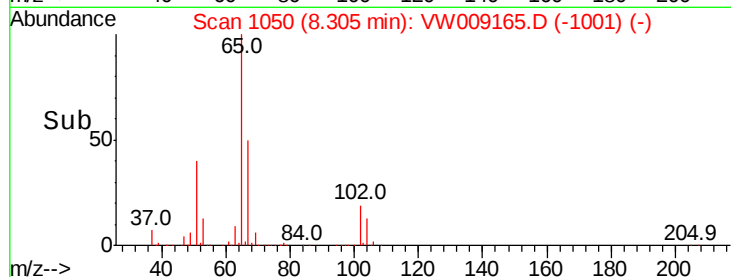
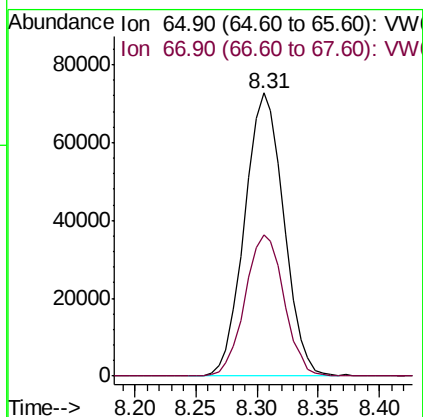
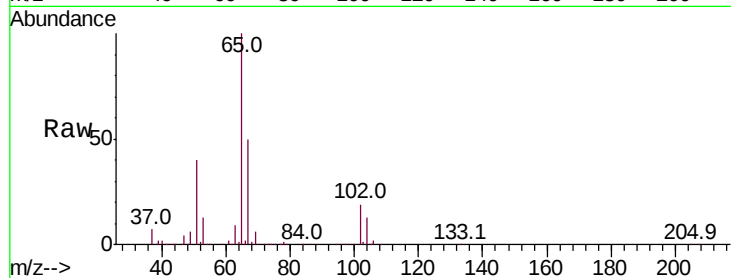
ClientSampleId :

Tot Ion: 65 Resp: 162492

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

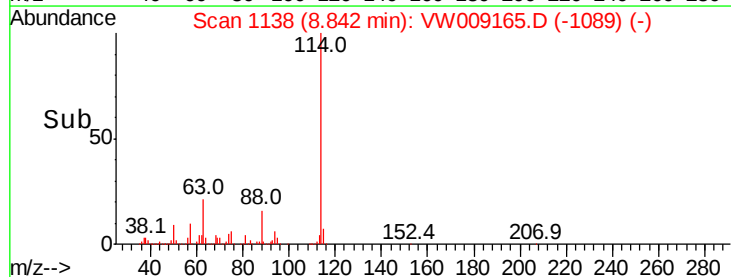
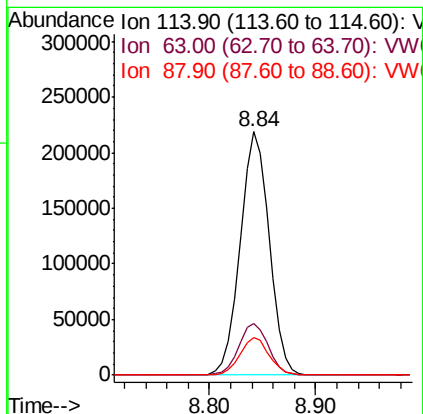
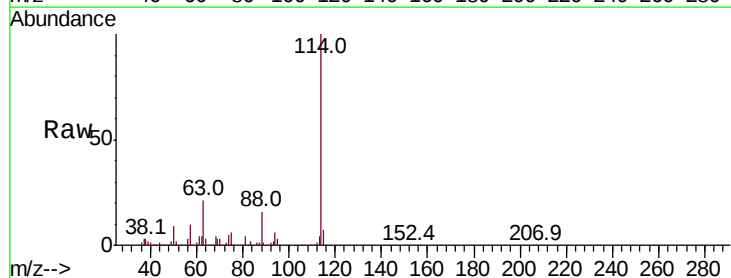
Tgt Ion: 114 Resp: 419240

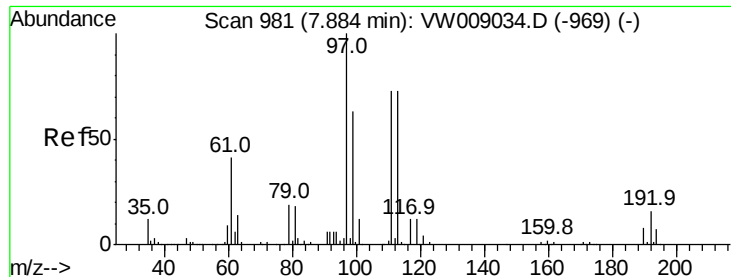
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.2

88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.561 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :
MSVOA_W
ClientSampled :

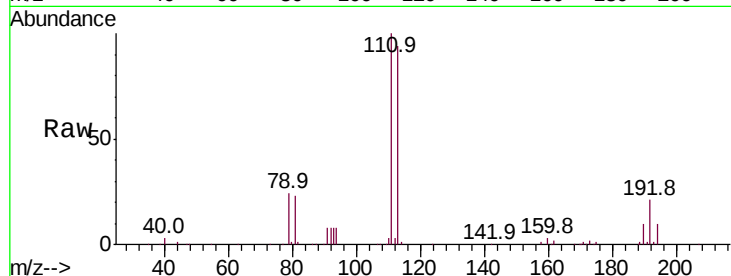
Tot Ion:113 Resp: 127625

Ion Ratio Lower Upper

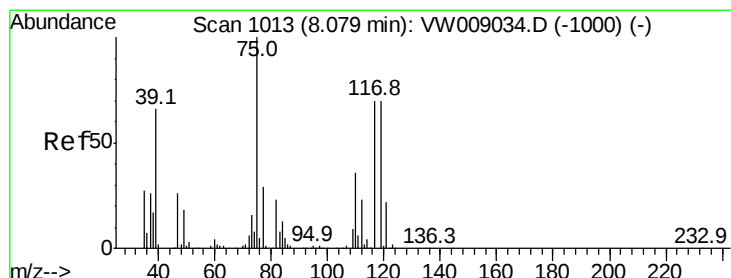
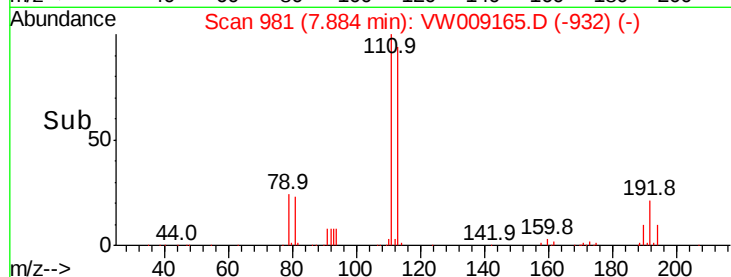
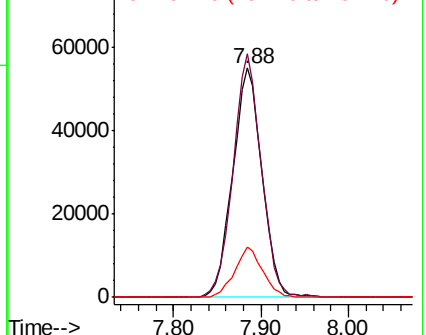
113 100

111 102.8 81.0 121.4

192 20.7 17.1 25.7



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: 4.854 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

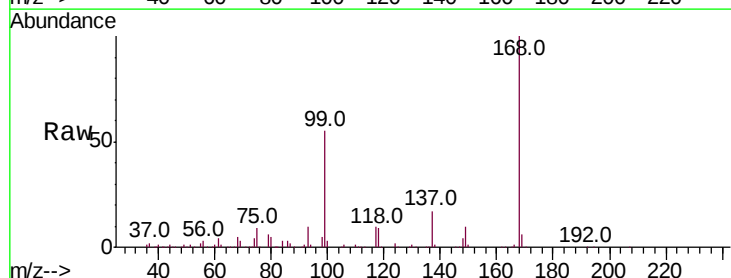
Tgt Ion: 75 Resp: 21280

Ion Ratio Lower Upper

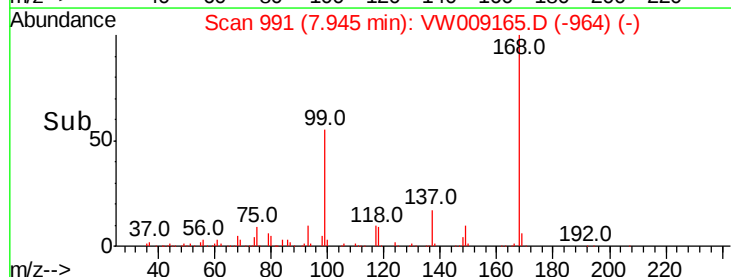
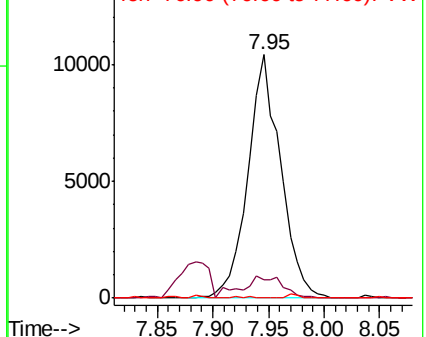
75 100

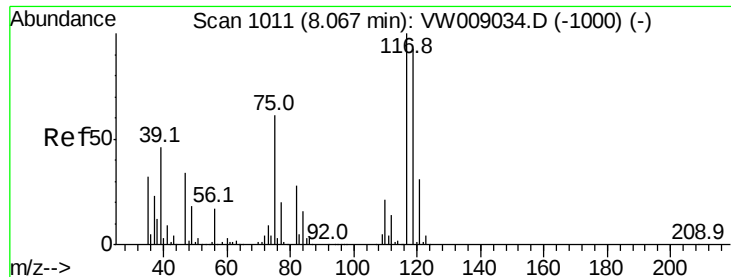
110 9.8 17.6 52.9#

77 0.0 25.1 37.7#



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: 5.969 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

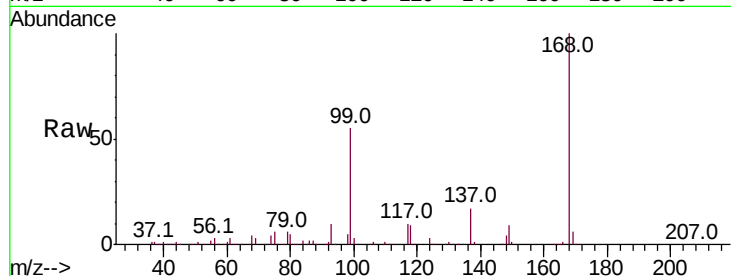
Tot Ion:117 Resp: 27022

Ion Ratio Lower Upper

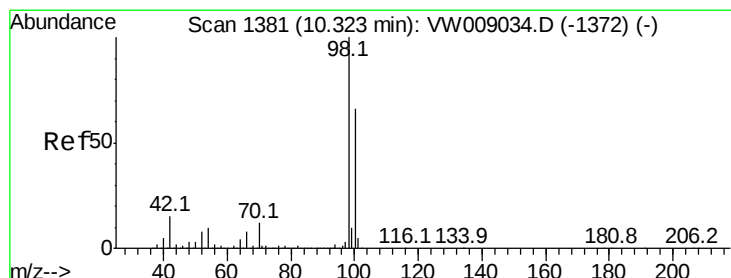
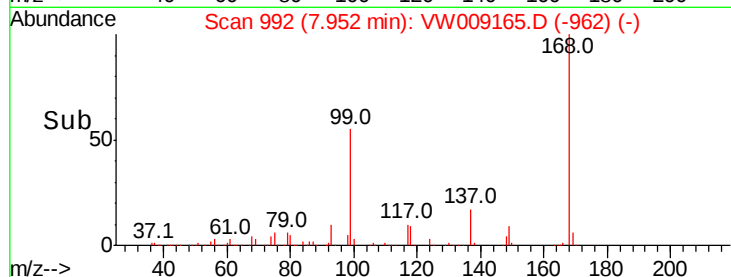
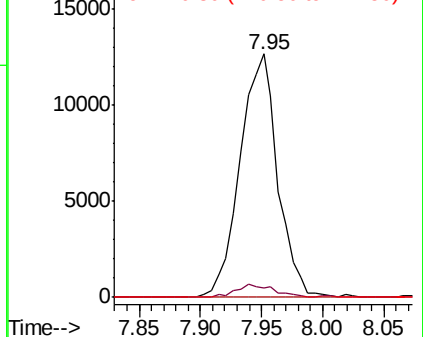
117 100

119 3.6 74.6 112.0#

121 0.0 24.7 37.1#



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: 48.189 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009165.D

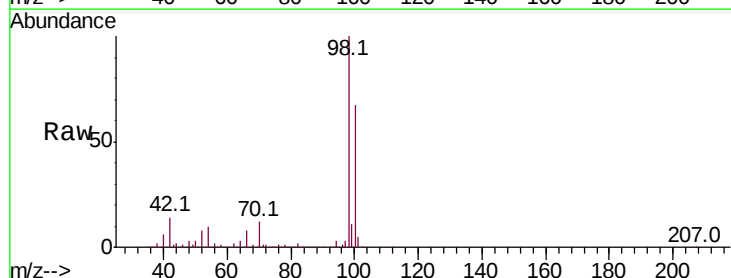
Acq: 13 Mar 2019 19:36

Tgt Ion: 98 Resp: 499587

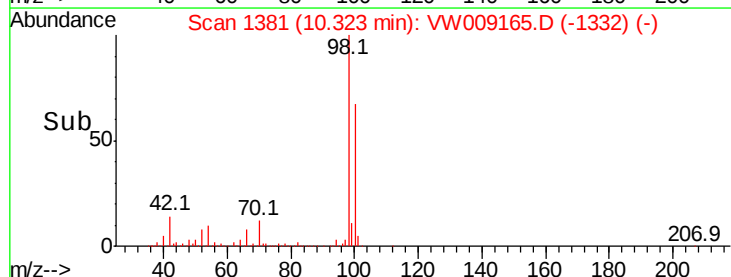
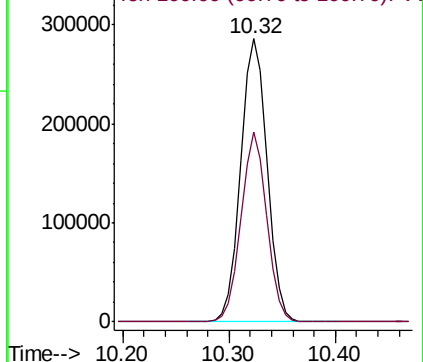
Ion Ratio Lower Upper

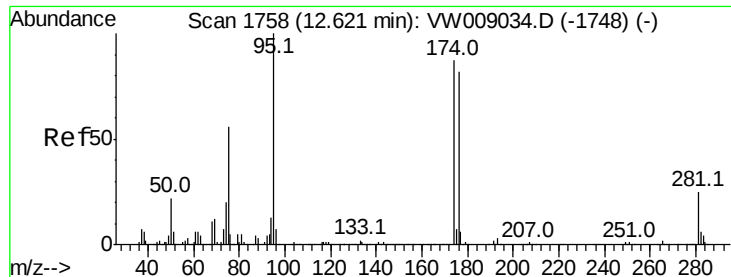
98 100

100 65.2 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 40.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

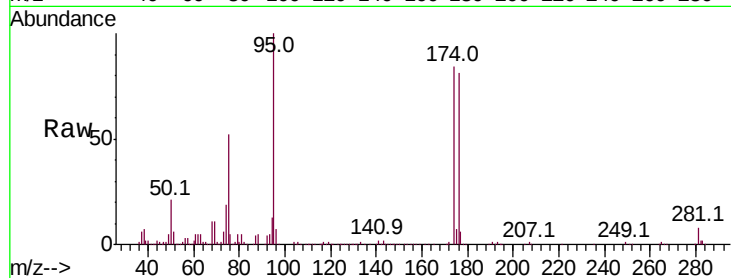
Tot Ion: 95 Resp: 166770

Ion Ratio Lower Upper

95 100

174 84.0 0.0 167.0

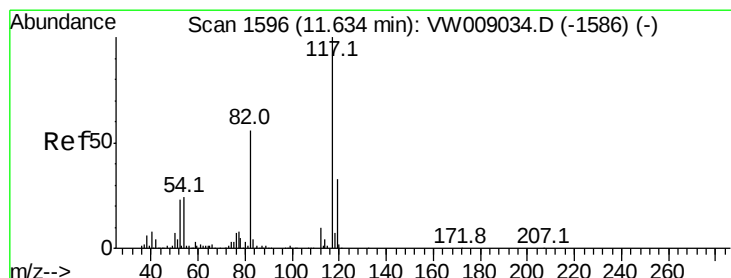
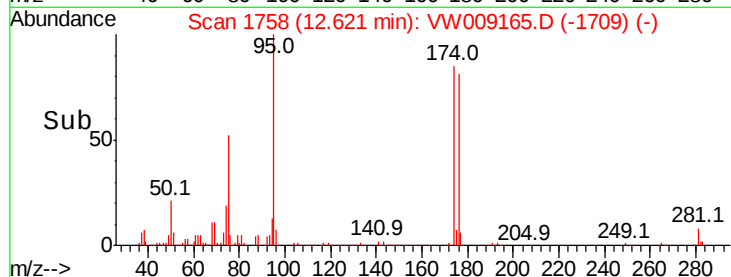
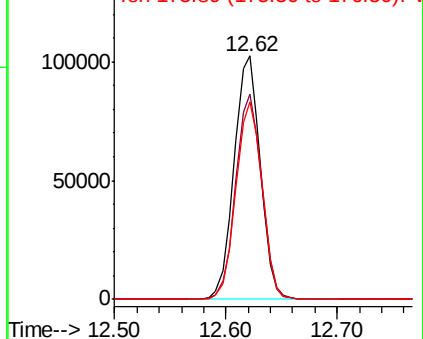
176 81.1 0.0 159.4



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: VW009165.D

Acq: 13 Mar 2019 19:36

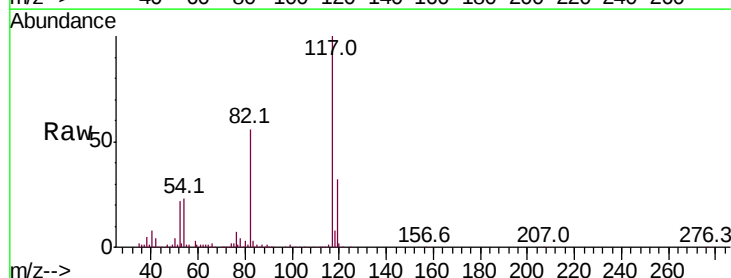
Tgt Ion: 117 Resp: 373458

Ion Ratio Lower Upper

117 100

82 55.9 45.0 67.6

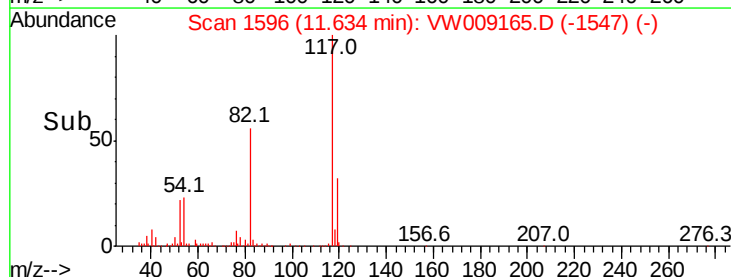
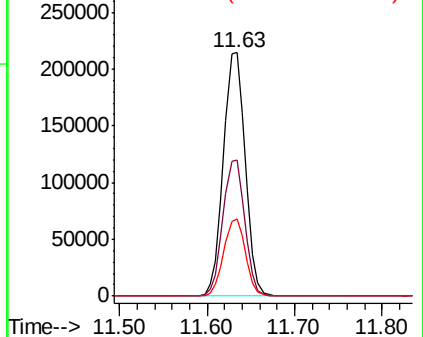
119 31.5 26.6 39.8

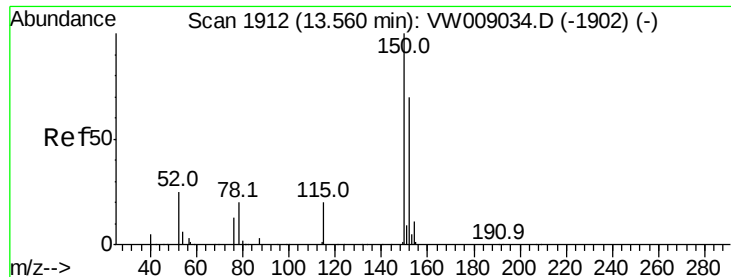


Abundance Ion 116.90 (116.60 to 117.60): VW

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

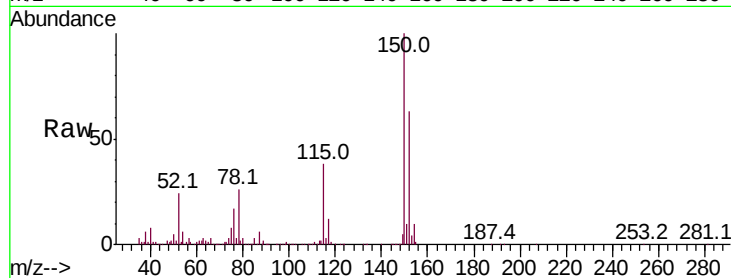
Tot Ion:152 Resp: 159679

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

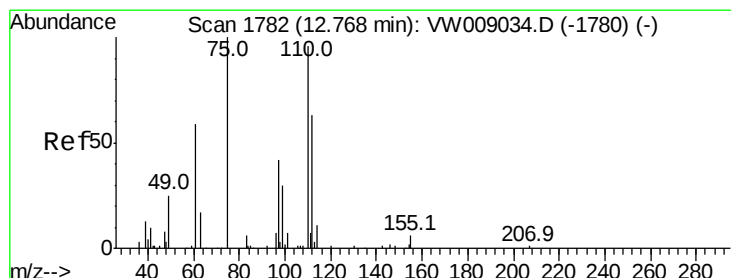
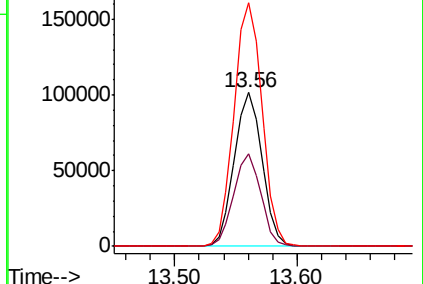
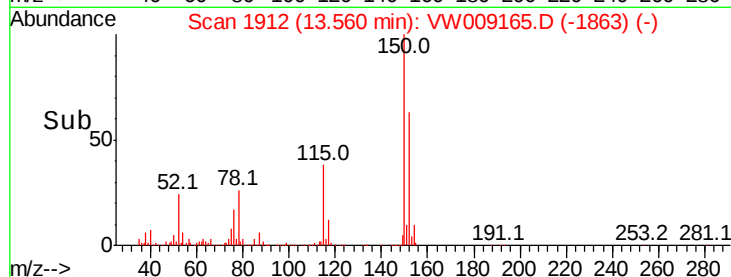
150 159.5 0.0 349.2



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: 69.639 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009165.D

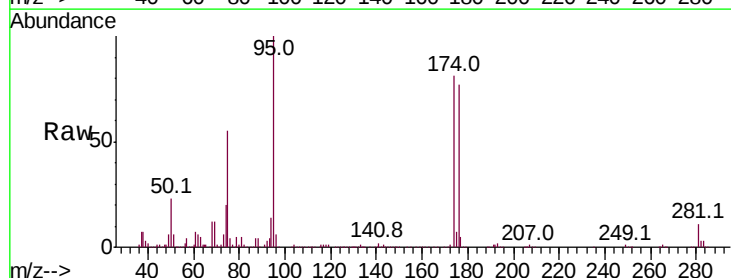
Acq: 13 Mar 2019 19:36

Tgt Ion: 75 Resp: 87856

Ion Ratio Lower Upper

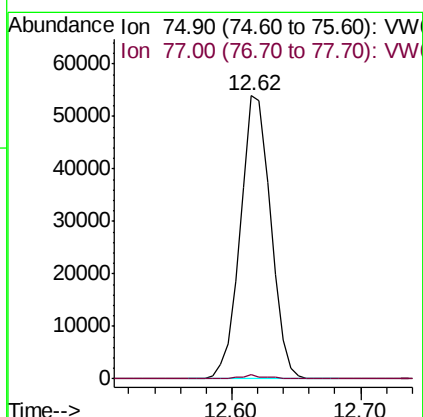
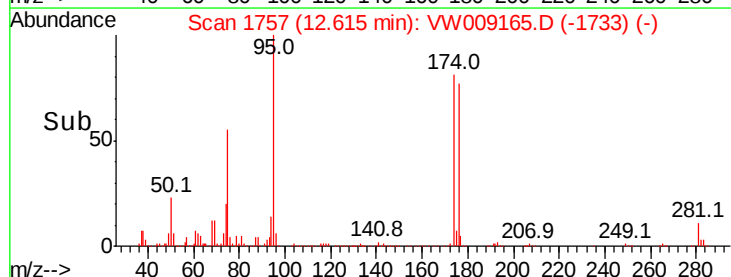
75 100

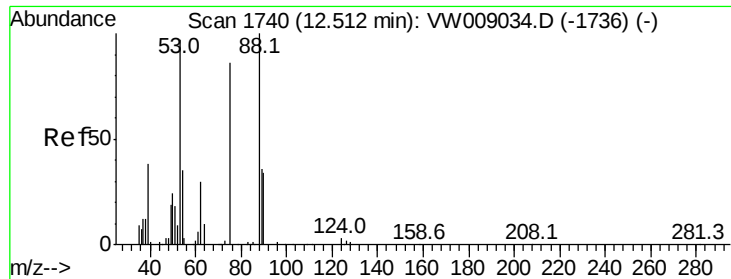
77 1.2 186.7 560.0#



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: 155.764 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009165.D

Acq: 13 Mar 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

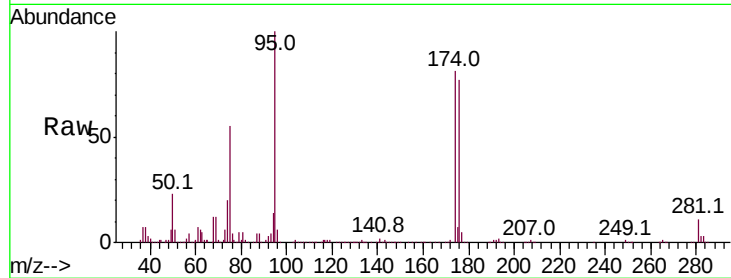
Tot Ion: 75 Resp: 87856

Ion Ratio Lower Upper

75 100

53 0.4 90.5 135.7#

89 0.3 37.5 56.3#



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

