

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011985.D
 Acq On : 19 Aug 2019 12:31
 Operator : SY/VA
 Sample : K4385-05
 Misc : 5.55G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 19 12:55:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	275131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	138018	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	7.88	113	111989	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
50) Toluene-d8	10.32	98	429343	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	115972	39.02	ug/l	0.00
Spiked Amount			Recovery	=	78.04%	

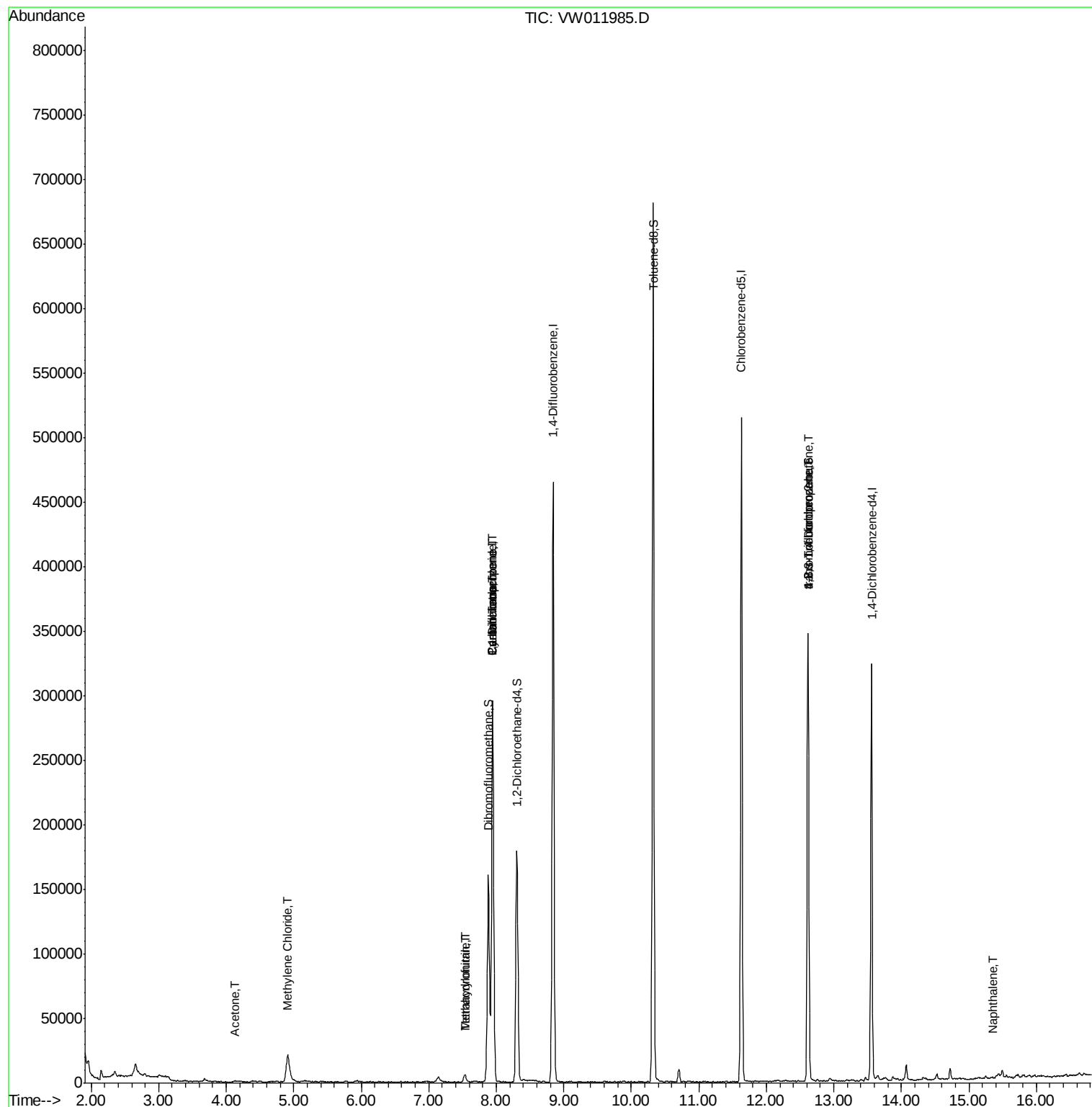
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	1925	Below Cal	#	85
16) Acetone	4.13	43	1308	1.636	ug/l	99
20) Methylene Chloride	4.92	84	15796	5.730	ug/l	94
29) Tetrahydrofuran	7.53	42	5149	8.613	ug/l	98
31) Cyclohexane	7.94	56	5269	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18509	4.905	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21978	6.803	ug/l #	17
41) Methacrylonitrile	7.54	41	3233	2.491	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	60294	71.822	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60294	165.526	ug/l #	6
95) Naphthalene	15.36	128	251	2.143	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

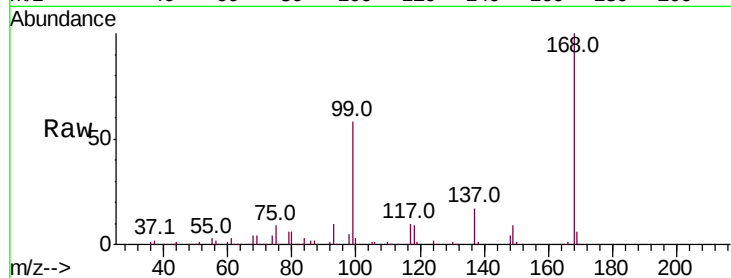
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 218824

Ion Ratio Lower Upper

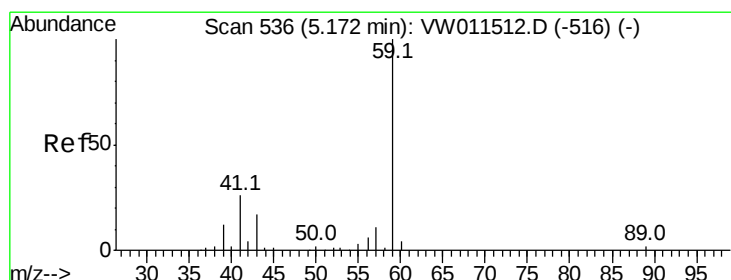
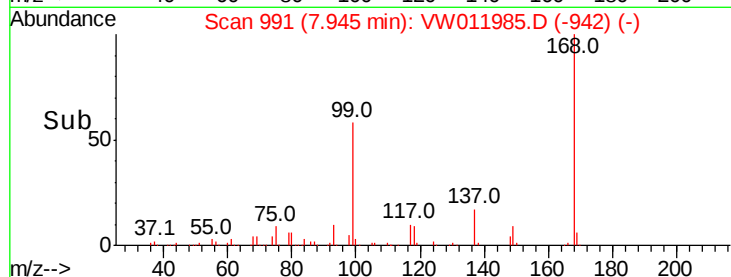
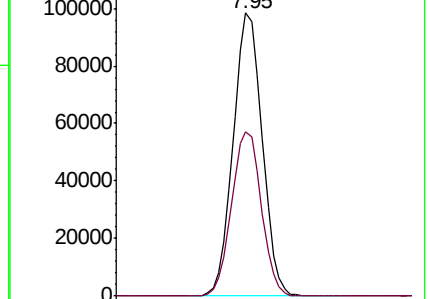
168 100

99 58.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW011985.D

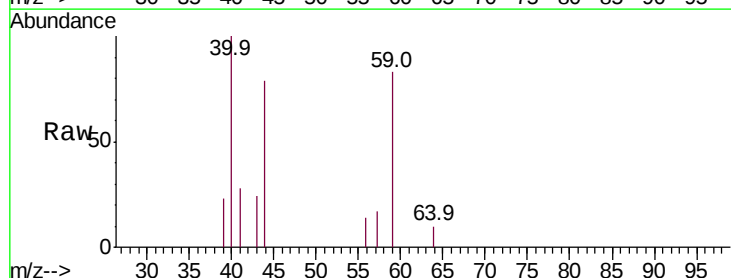
Acq: 19 Aug 2019 12:31

Tgt Ion: 59 Resp: 1925

Ion Ratio Lower Upper

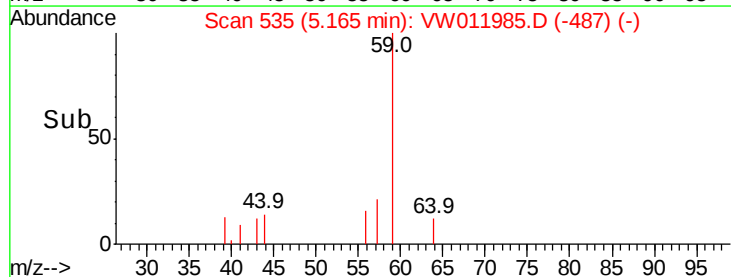
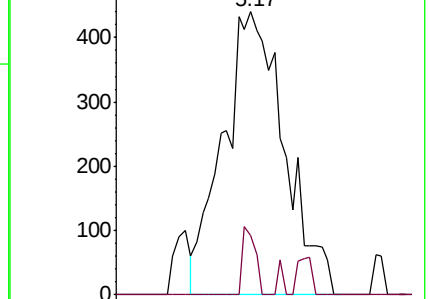
59 100

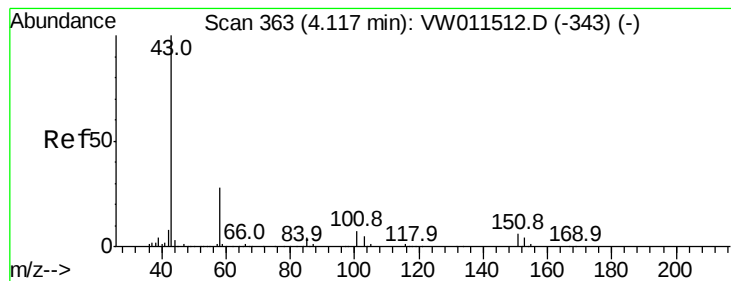
57 4.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 1.636 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

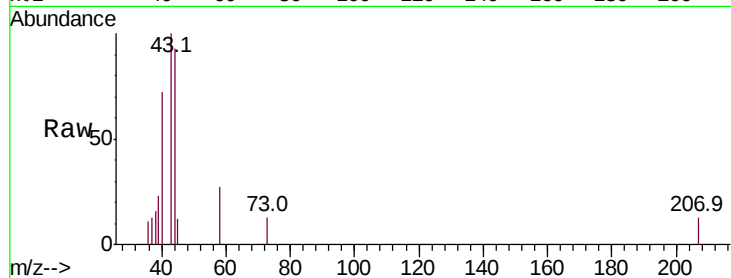
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1308

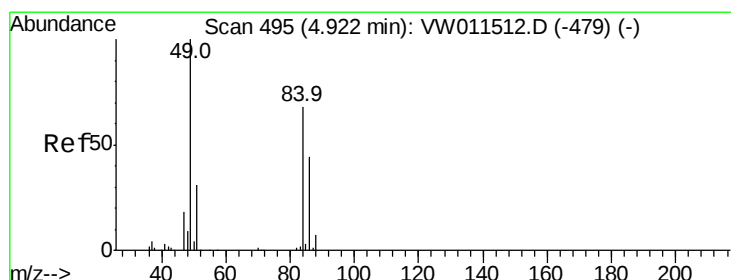
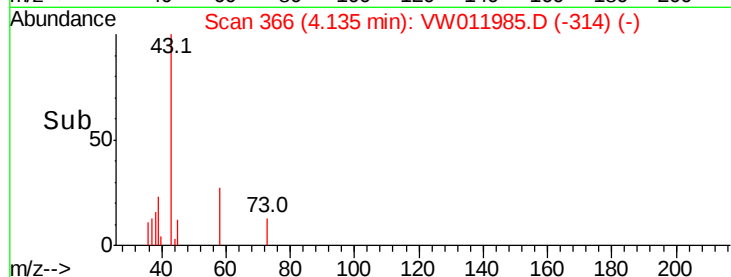
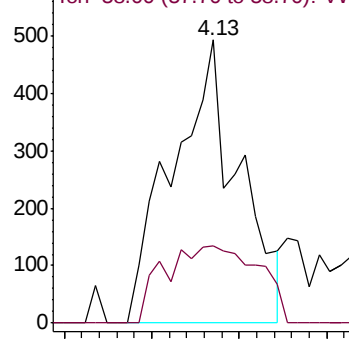
Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5



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



#20

Methylene Chloride

Concen: 5.730 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Tgt Ion: 84 Resp: 15796

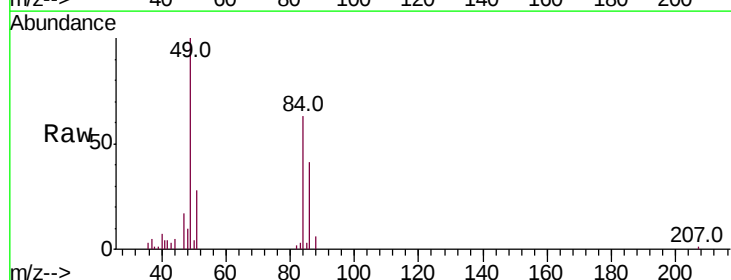
Ion Ratio Lower Upper

84 100

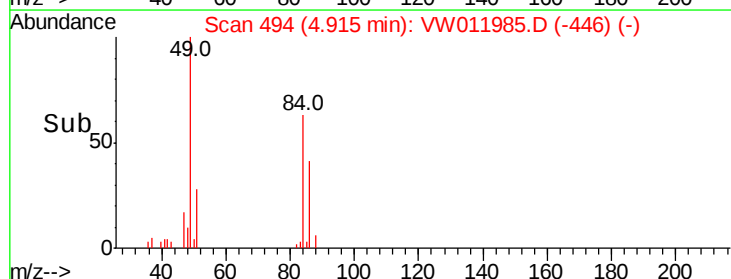
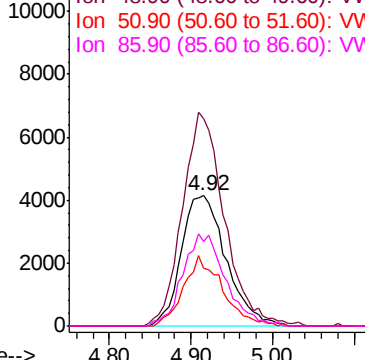
49 159.5 117.8 176.6

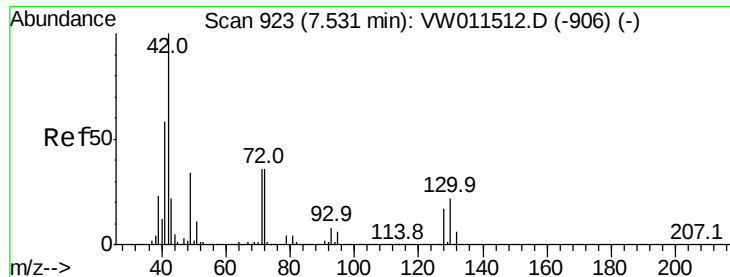
51 44.6 37.0 55.4

86 65.2 51.8 77.8



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

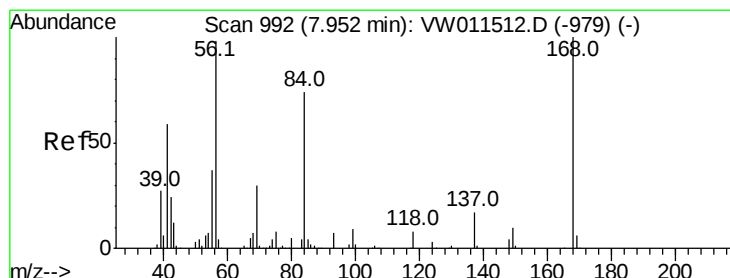
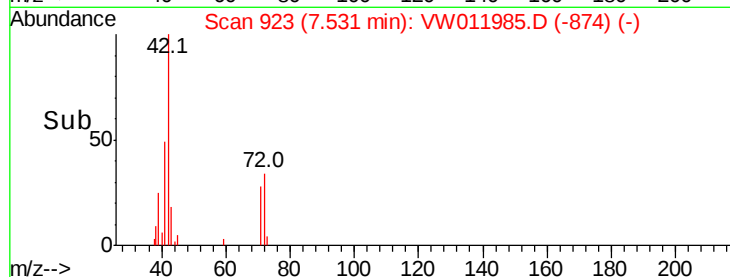
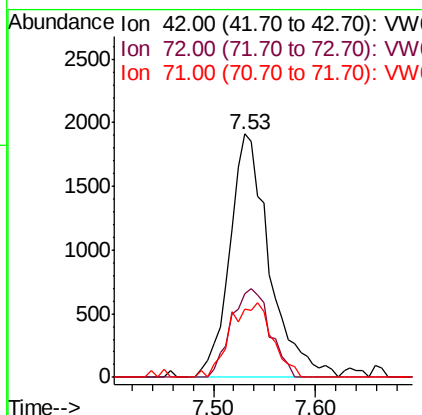
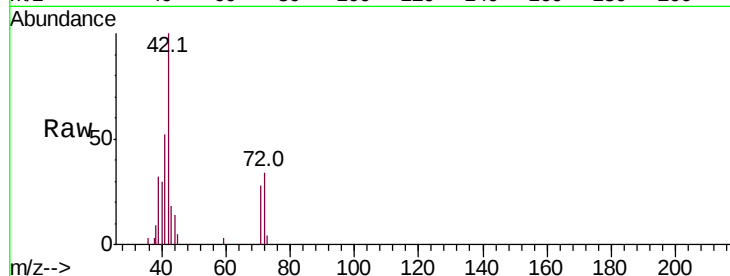




#29
Tetrahydrofuran
Concen: 8.613 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

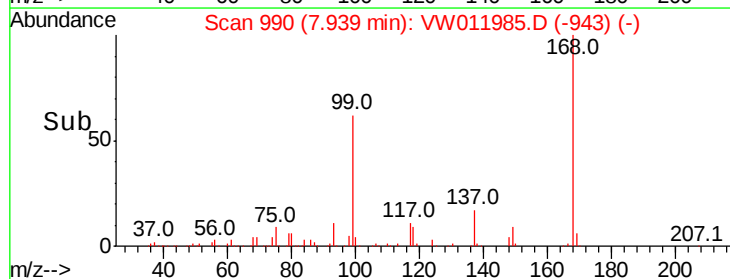
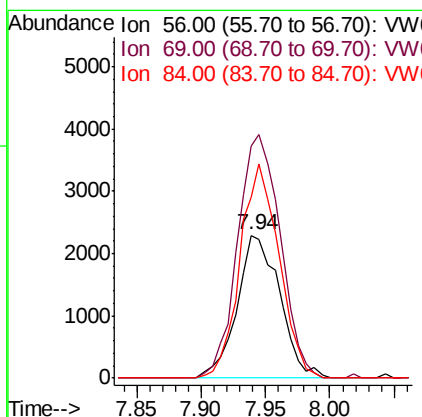
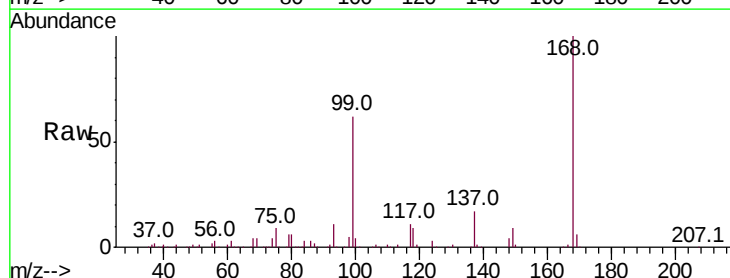
Instrument :
MSVOA_W
ClientSampled :

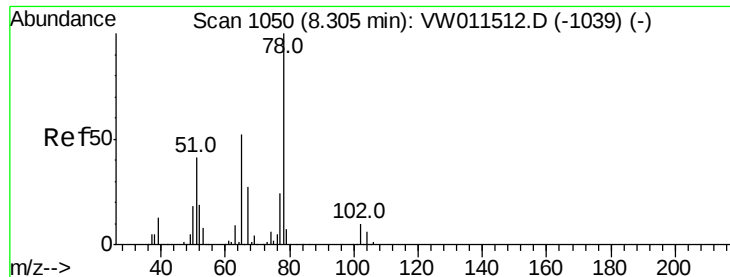
Tot Ion: 42 Resp: 5149
Ion Ratio Lower Upper
42 100
72 35.6 27.1 40.7
71 32.9 26.2 39.4



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

Tgt Ion: 56 Resp: 5269
Ion Ratio Lower Upper
56 100
69 162.1 24.3 36.5#
84 126.7 60.4 90.6#

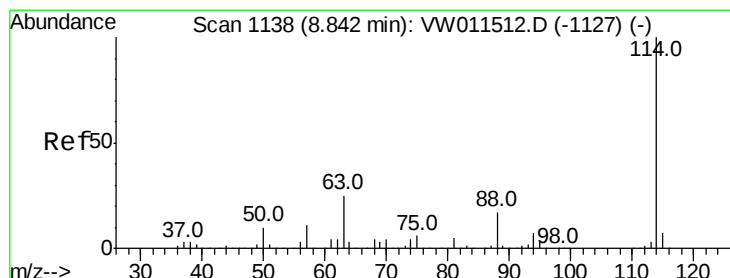
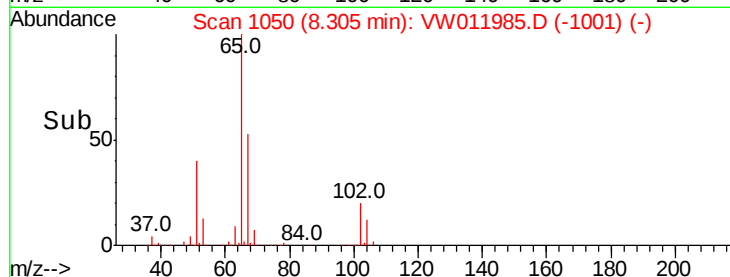
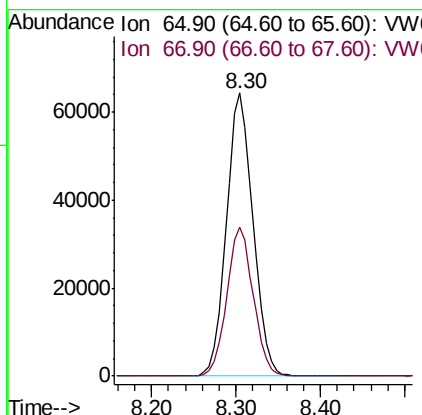
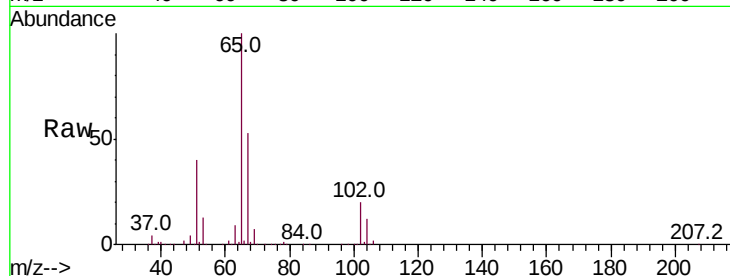




#33
 1,2-Dichloroethane-d4
 Concen: 54.928 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011985.D
 Acq: 19 Aug 2019 12:31

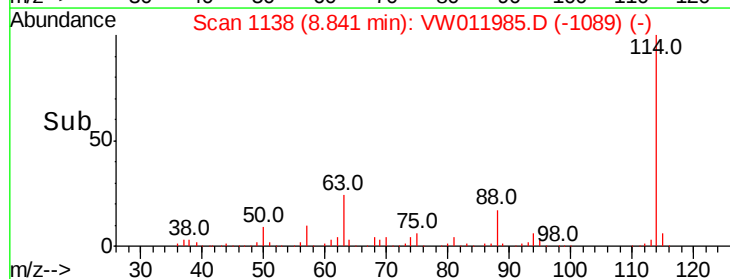
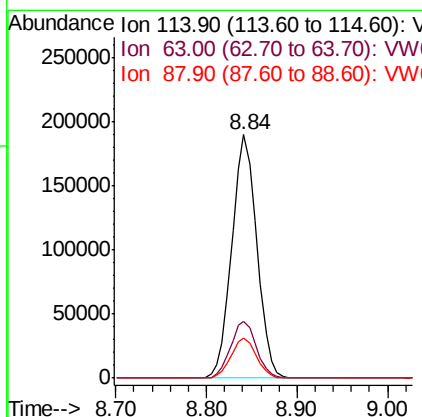
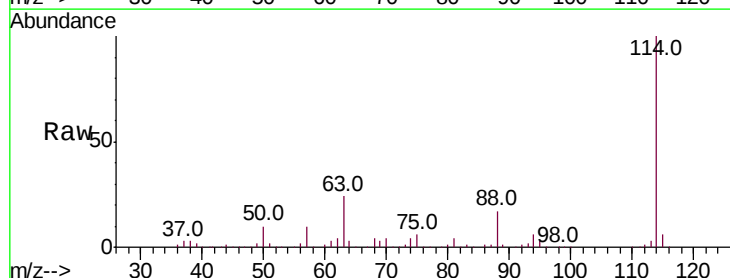
Instrument :
 MSVOA_W
 ClientSampleId :

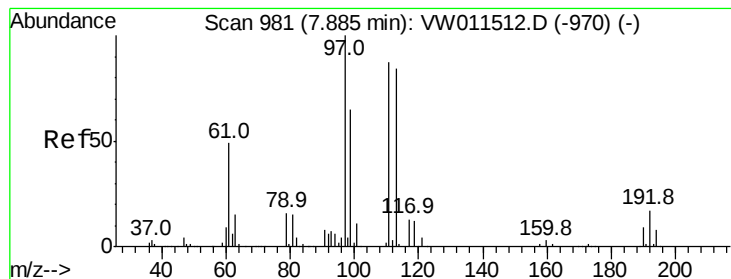
Tot Ion: 65 Resp: 138018
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011985.D
 Acq: 19 Aug 2019 12:31

Tgt Ion: 114 Resp: 362933
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.001 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

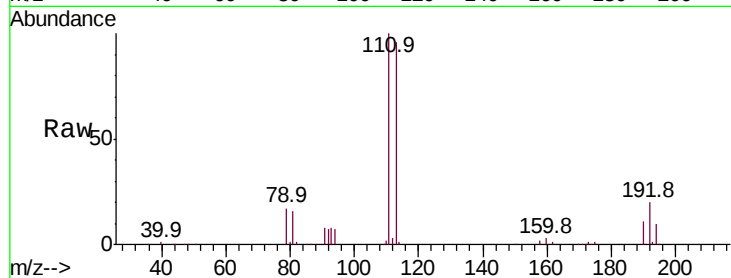
Tot Ion:113 Resp: 111989

Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

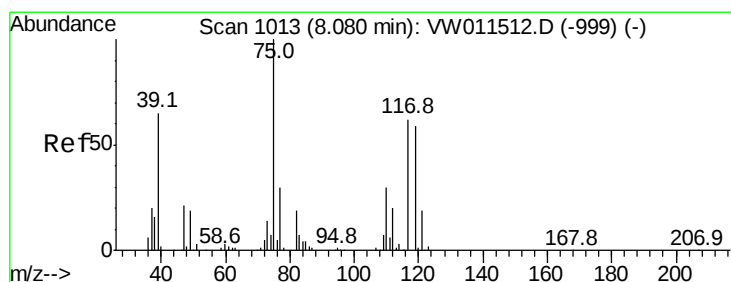
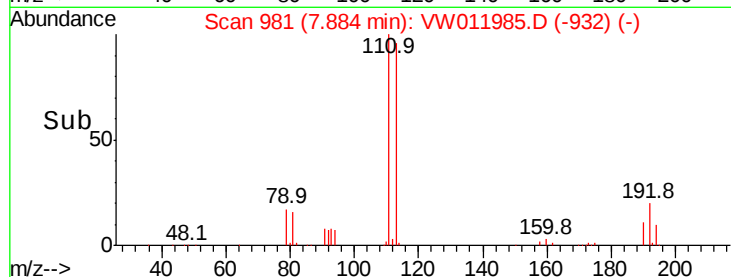
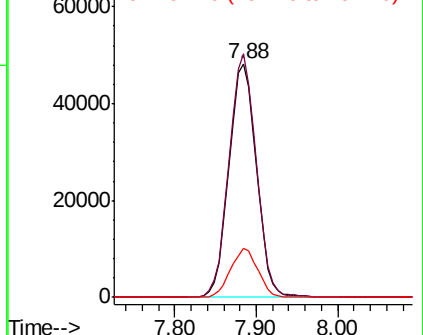
192 20.6 16.1 24.1



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: 4.905 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

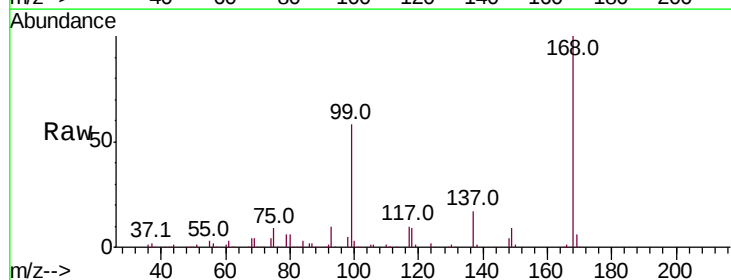
Tgt Ion: 75 Resp: 18509

Ion Ratio Lower Upper

75 100

110 7.8 15.6 46.8#

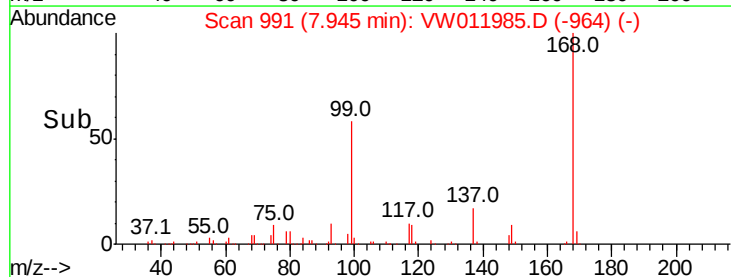
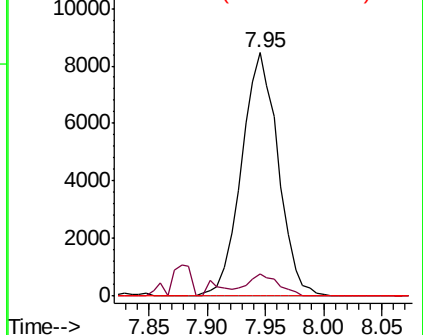
77 0.0 24.3 36.5#

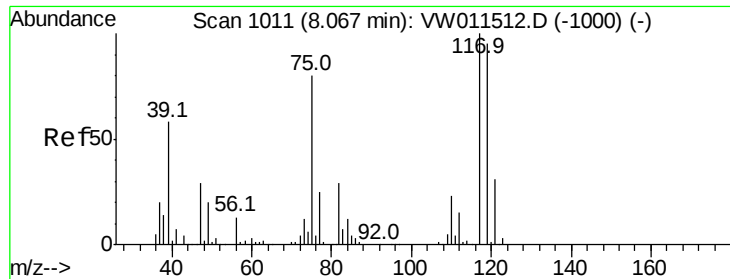


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

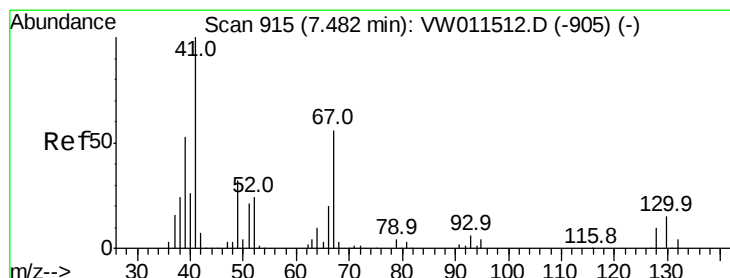
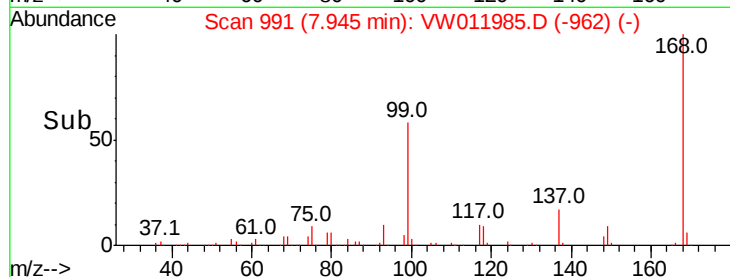
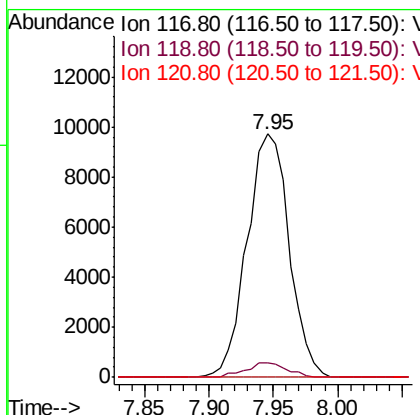
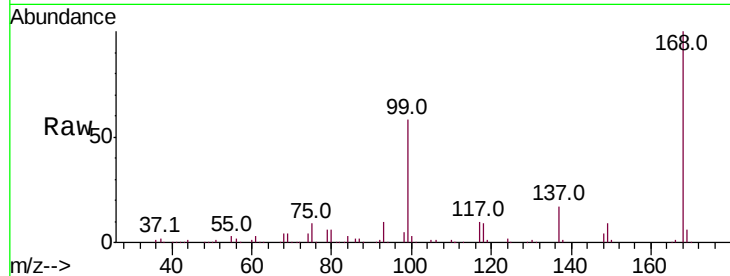




#38
Carbon Tetrachloride
Concen: 6.803 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

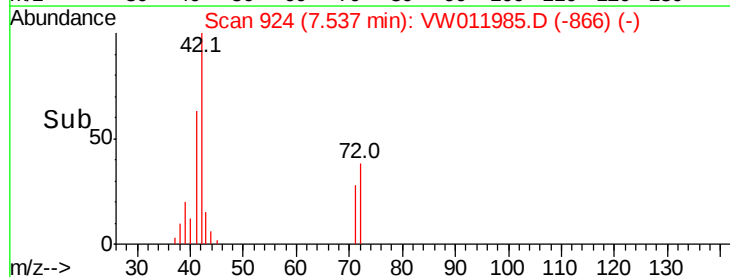
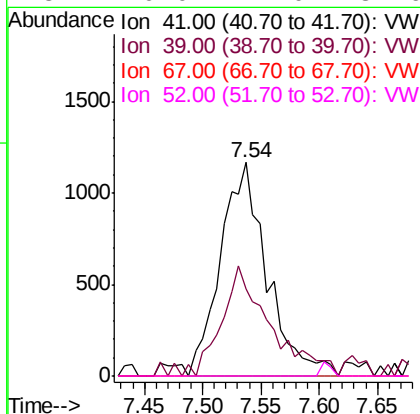
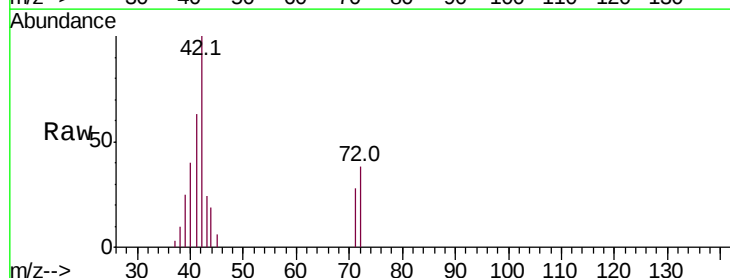
Instrument :
MSVOA_W
ClientSampleId :

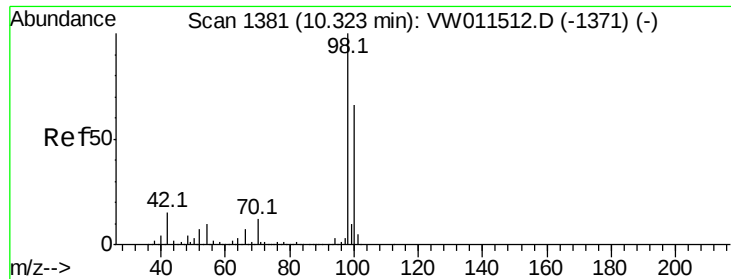
Tot Ion:117 Resp: 21978
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 2.491 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

Tgt Ion: 41 Resp: 3233
Ion Ratio Lower Upper
41 100
39 53.8 43.0 64.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.6#

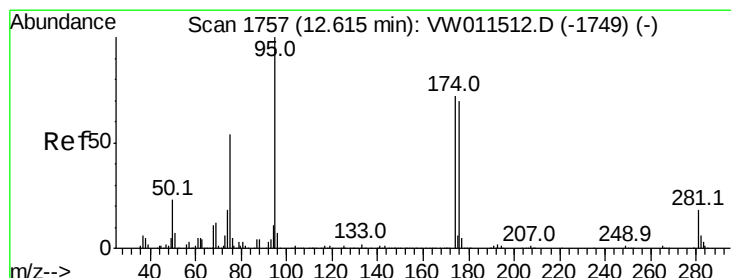
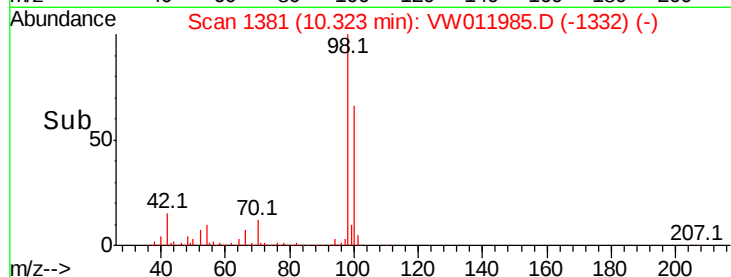
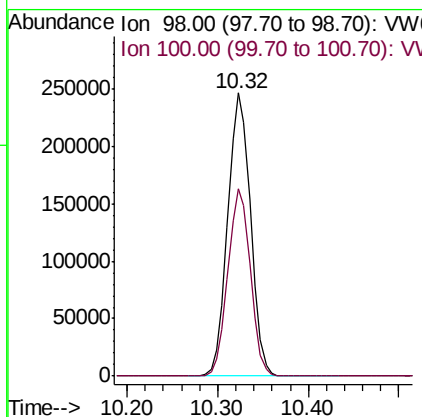
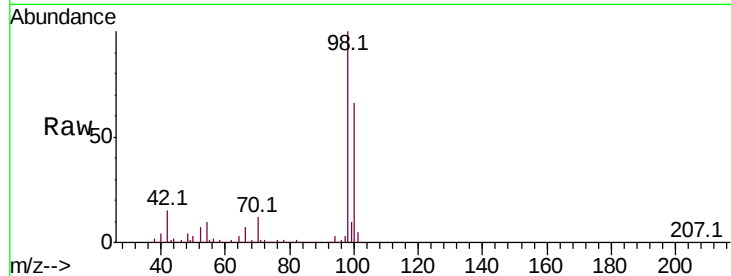




#50
Toluene-d8
Concen: 51.502 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

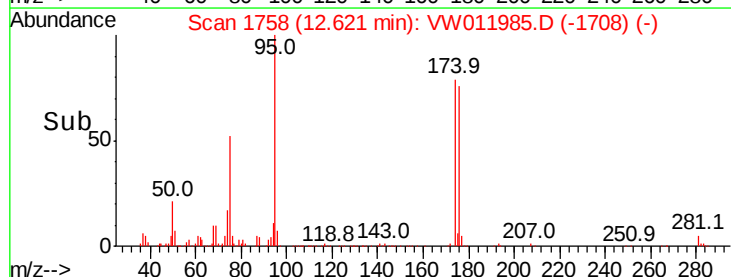
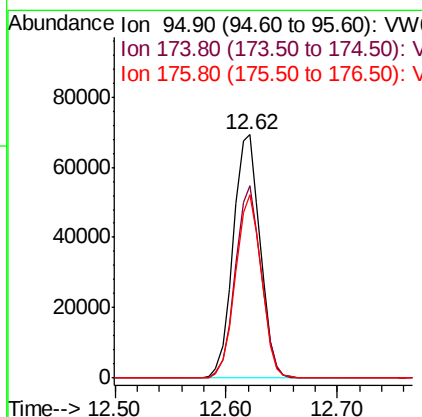
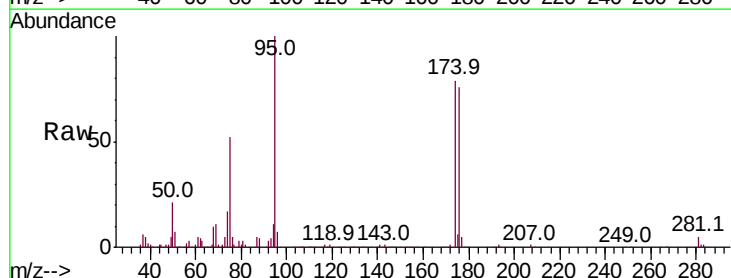
Instrument :
MSVOA_W
ClientSampled :

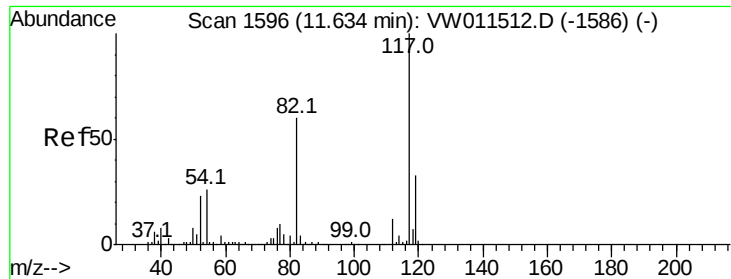
Tot Ion: 98 Resp: 429343
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 39.020 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

Tgt Ion: 95 Resp: 115972
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 72.3 0.0 144.4

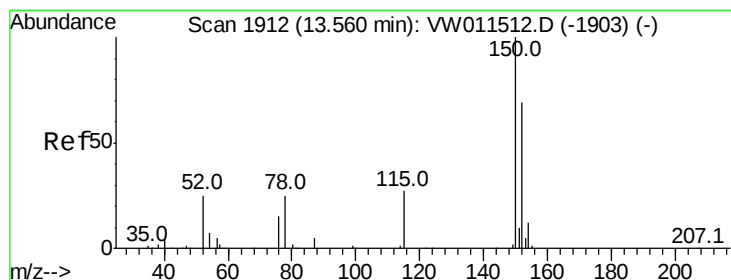
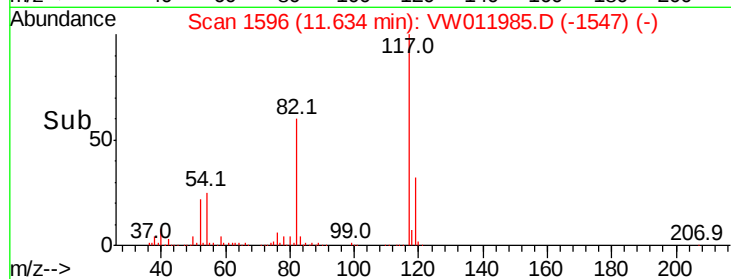
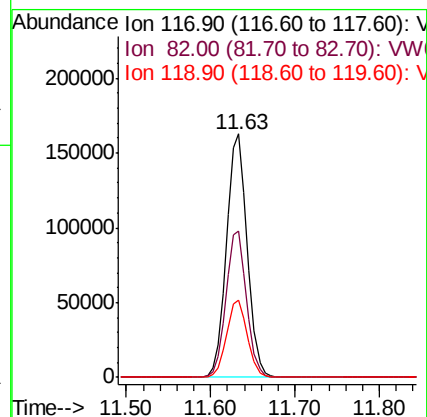
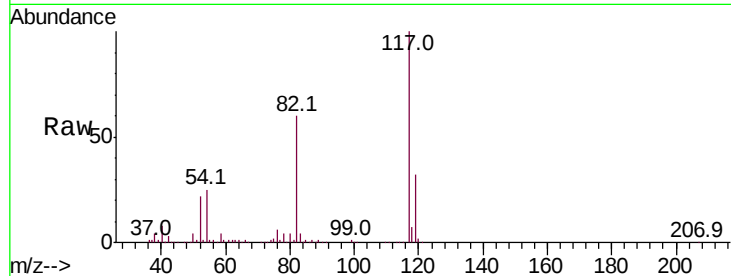




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

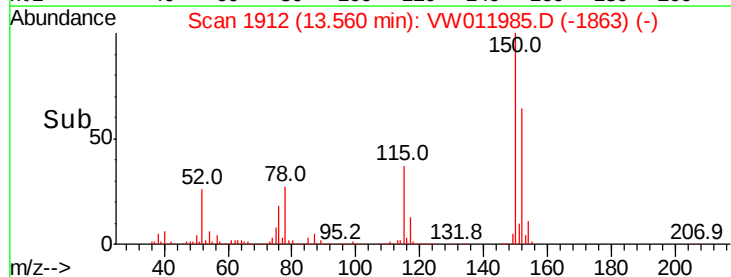
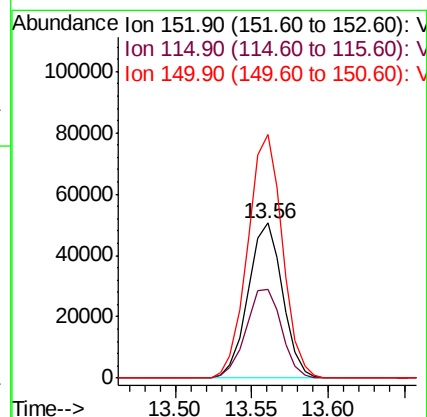
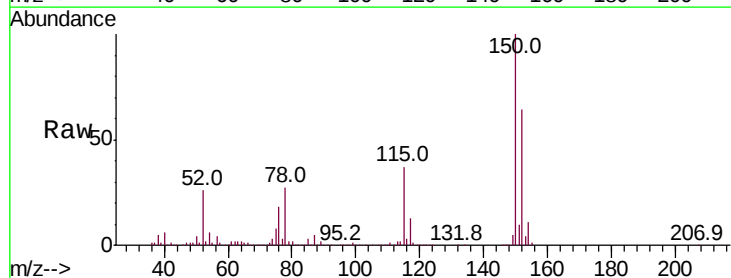
Instrument :
MSVOA_W
ClientSampleId :

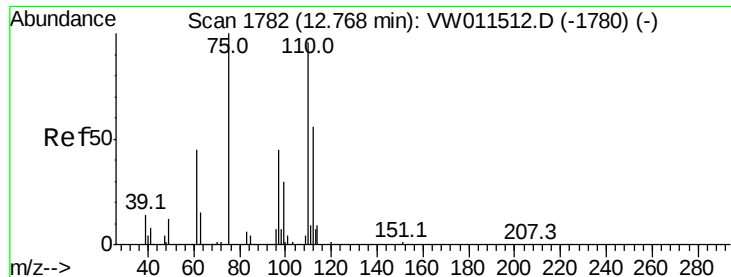
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.9	71.9
119	31.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011985.D
Acq: 19 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.5	91.5
150	157.8	0.0	352.6





#76

1,2,3-Trichloropropane

Concen: 71.822 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Instrument :

MSVOA_W

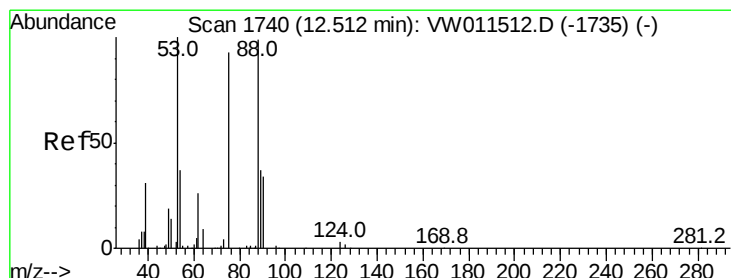
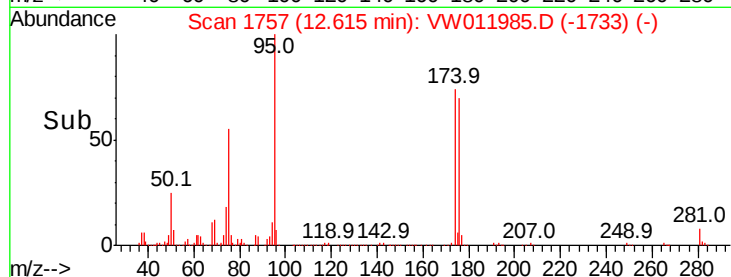
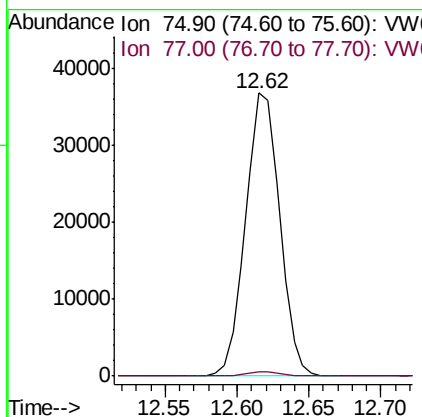
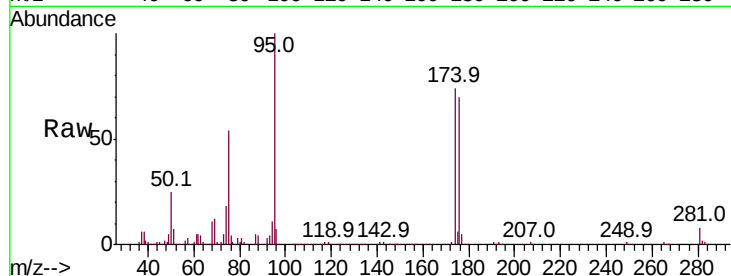
ClientSampleId :

Tot Ion: 75 Resp: 60294

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 165.526 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

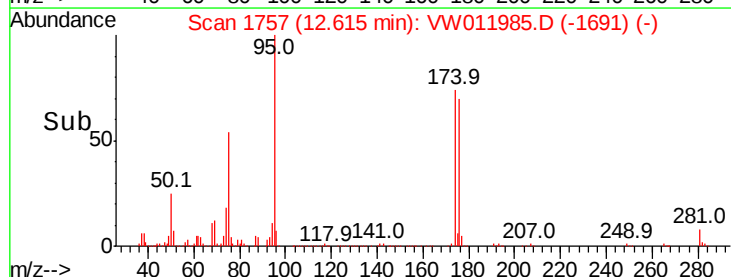
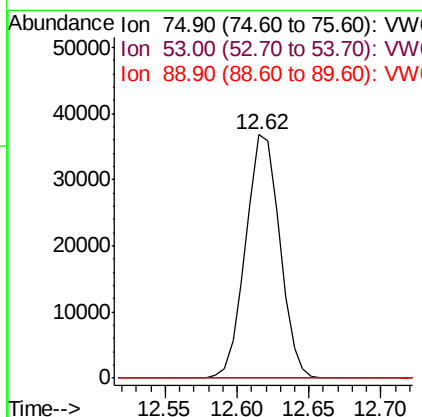
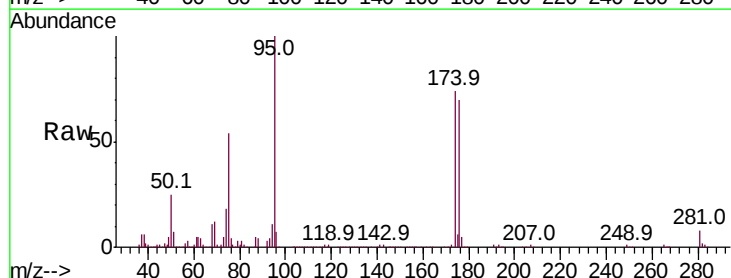
Tgt Ion: 75 Resp: 60294

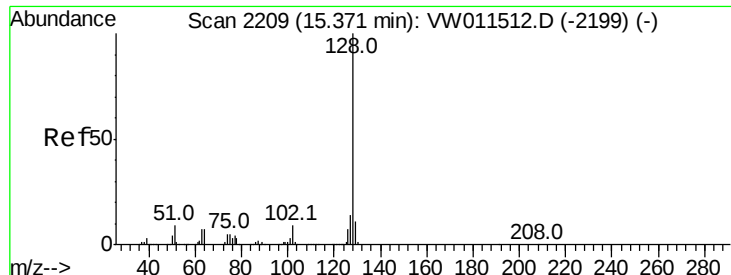
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.143 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011985.D

Acq: 19 Aug 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

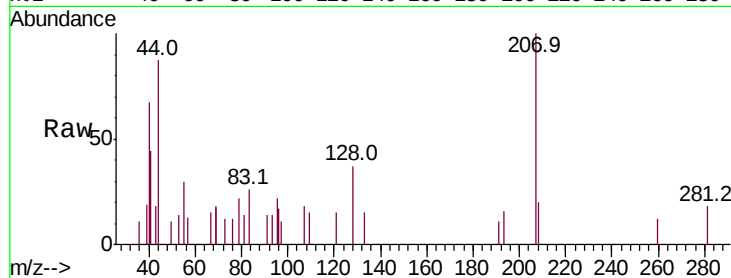
Tot Ion:128 Resp: 251

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#



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

