

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011861.D
 Acq On : 12 Aug 2019 19:08
 Operator : SY/VA
 Sample : K4244-01RE
 Misc : 5.88G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 07:48:35 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	198954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	281232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109179	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	136152	59.60	ug/l	0.00
Spiked Amount			Recovery	=	119.20%	
35) Dibromofluoromethane	7.88	113	107258	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	
50) Toluene-d8	10.32	98	419108	53.94	ug/l	0.00
Spiked Amount			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.62	95	128569	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

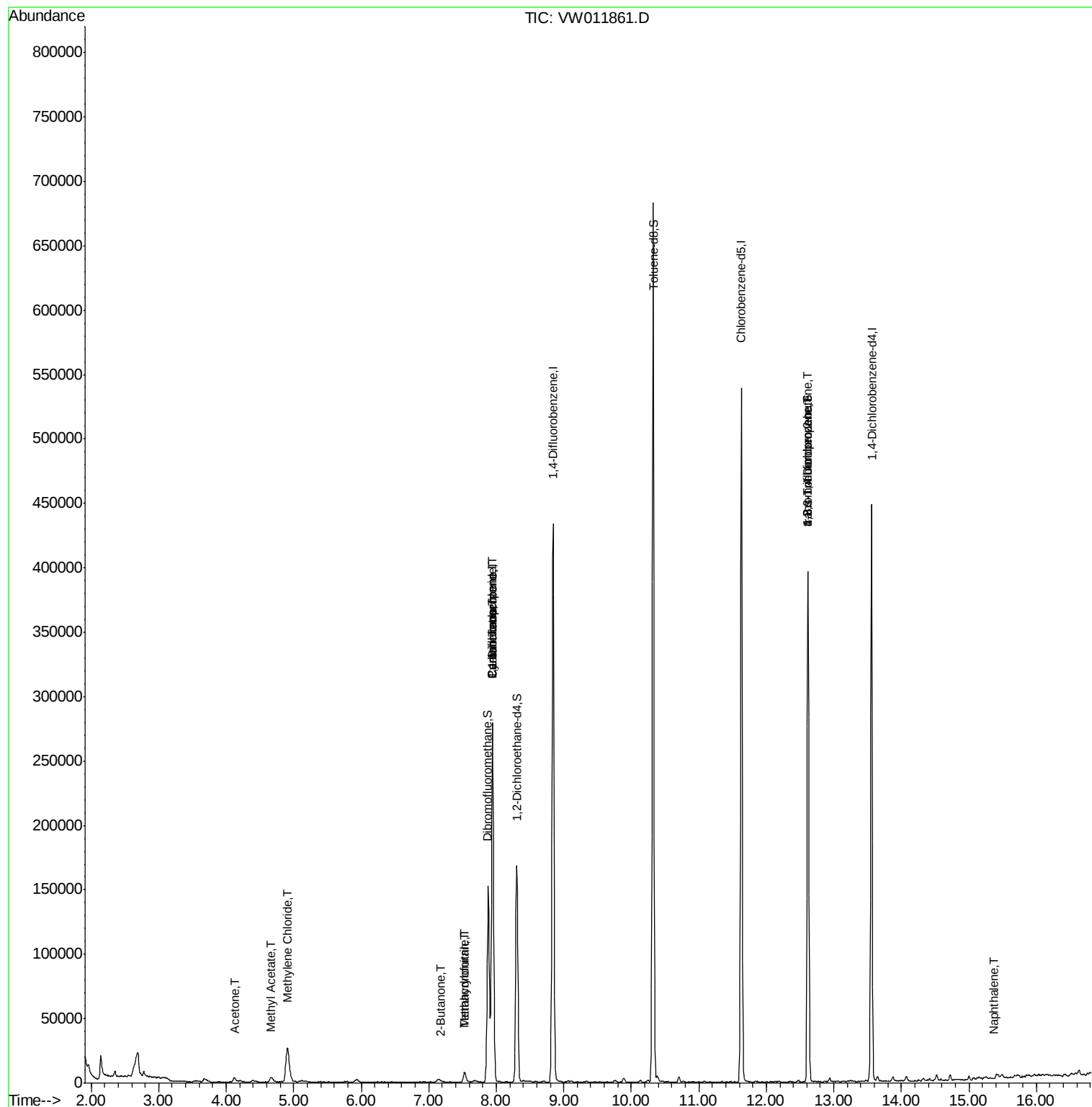
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	1030	Below Cal	#	72
16) Acetone	4.12	43	6325	8.704	ug/l	94
18) Methyl Acetate	4.67	43	8763	5.368	ug/l	99
20) Methylene Chloride	4.91	84	20554	8.201	ug/l	96
25) 2-Butanone	7.18	43	1026	1.079	ug/l	95
29) Tetrahydrofuran	7.53	42	7028	12.930	ug/l	98
31) Cyclohexane	7.95	56	5452	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18155	5.161	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20548	6.823	ug/l #	18
41) Methacrylonitrile	7.52	41	4168	3.445	ug/l #	56
76) 1,2,3-Trichloropropane	12.62	75	69335	60.018	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69335	138.320	ug/l #	6
95) Naphthalene	15.36	128	466	2.170	ug/l #	78

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081219\
Data File : VW011861.D
Acq On : 12 Aug 2019 19:08
Operator : SY/VA
Sample : K4244-01RE
Misc : 5.88G/5ML/MSVOA W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Aug 13 07:48:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
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: VW011861.D

Acq: 12 Aug 2019 19:08

Instrument :

MSVOA_W

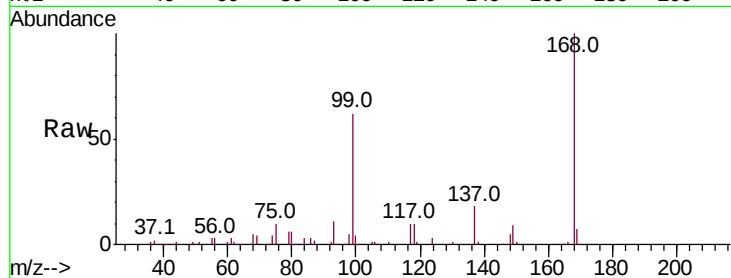
ClientSampled :

Tot Ion:168 Resp: 198954

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

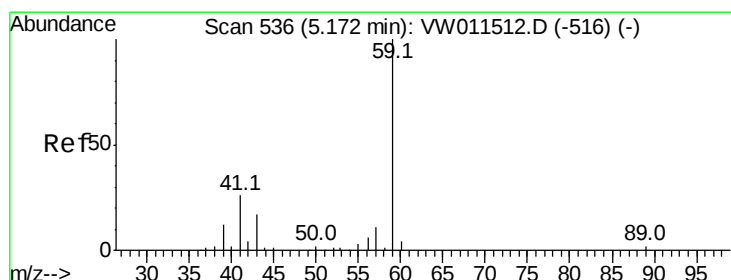
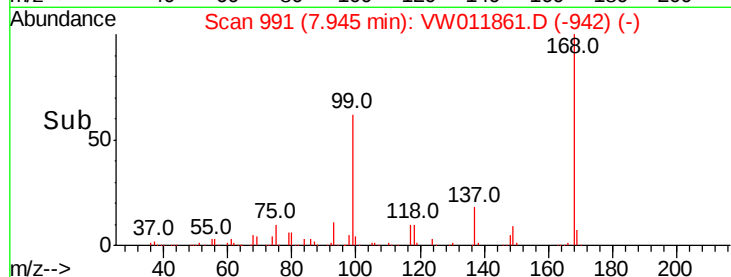
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW011861.D

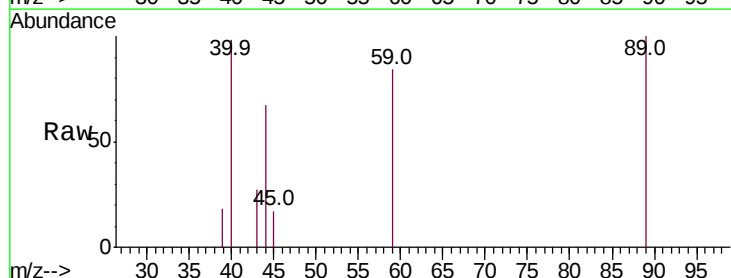
Acq: 12 Aug 2019 19:08

Tgt Ion: 59 Resp: 1030

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.13

400

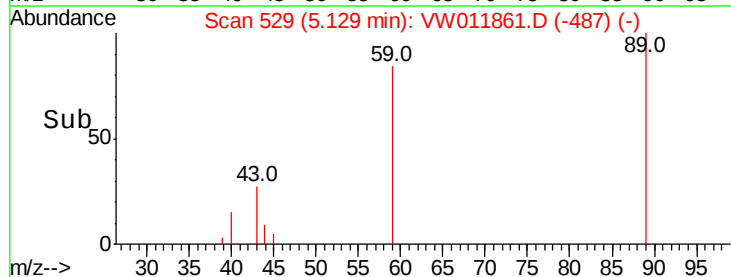
300

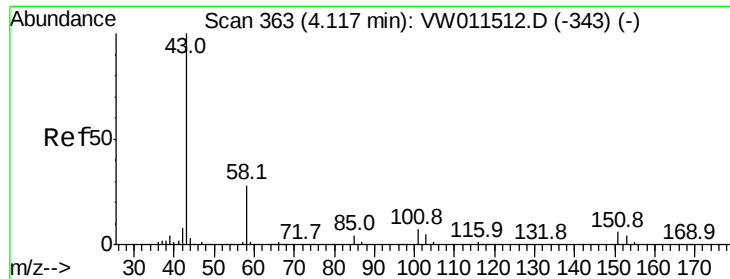
200

100

0

Time--> 5.05 5.10 5.15





#16

Acetone

Concen: 8.704 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011861.D

Acq: 12 Aug 2019 19:08

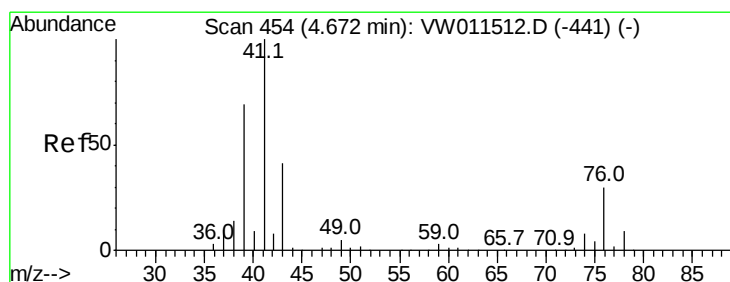
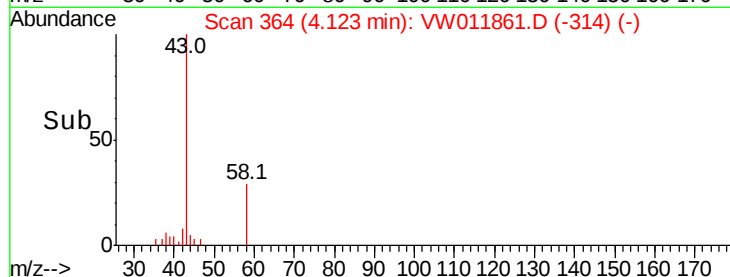
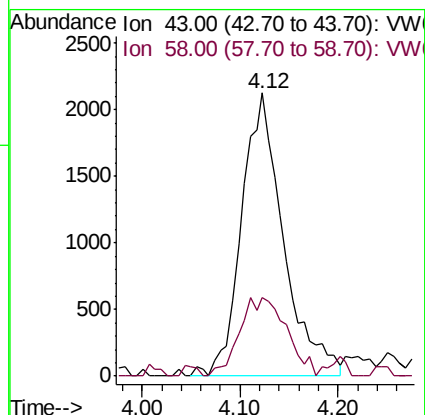
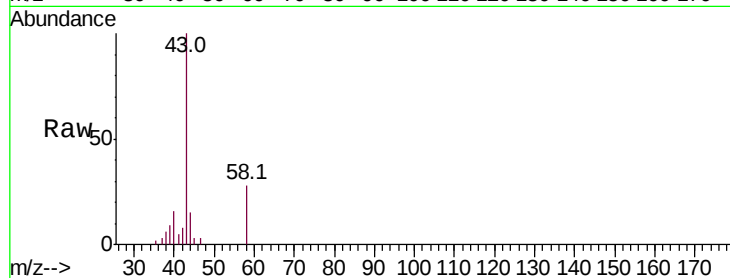
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 6325

Ion Ratio Lower Upper

43 100

58 24.7 22.3 33.5



#18

Methyl Acetate

Concen: 5.368 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011861.D

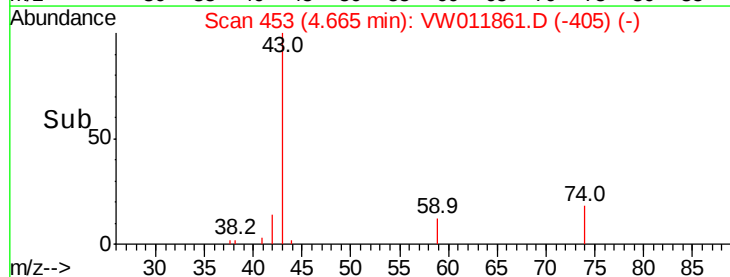
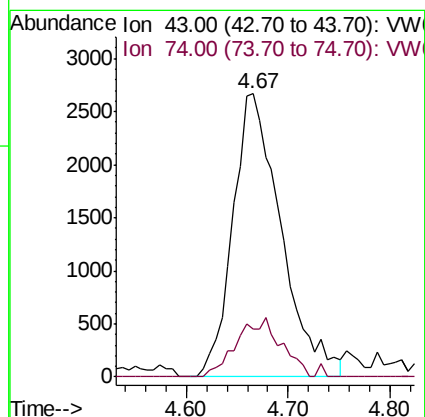
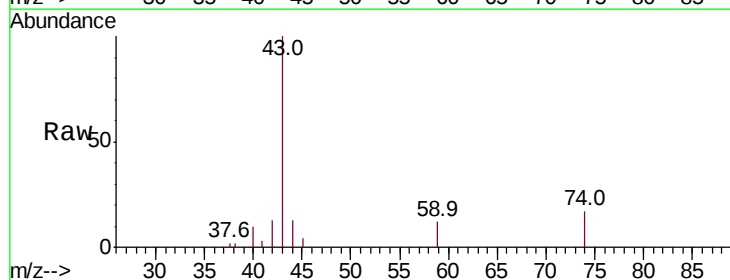
Acq: 12 Aug 2019 19:08

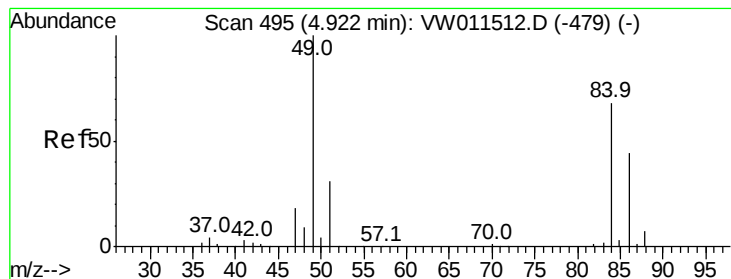
Tgt Ion: 43 Resp: 8763

Ion Ratio Lower Upper

43 100

74 19.3 15.9 23.9





#20

Methvlene Chloride

Concen: 8.201 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011861.D

Acq: 12 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 20554

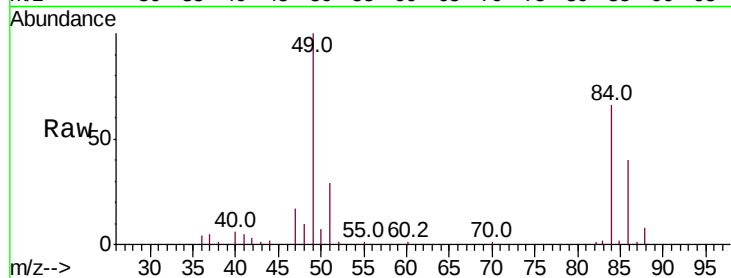
Ion Ratio Lower Upper

84 100

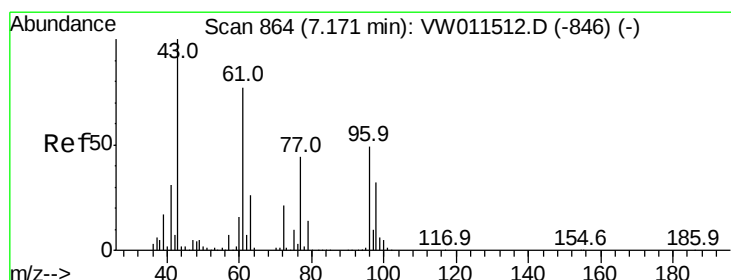
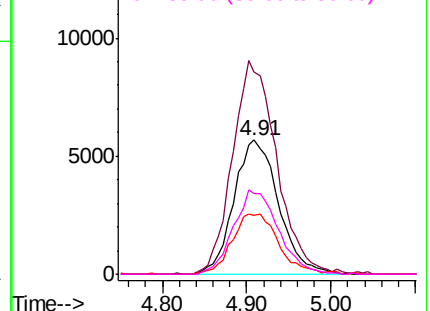
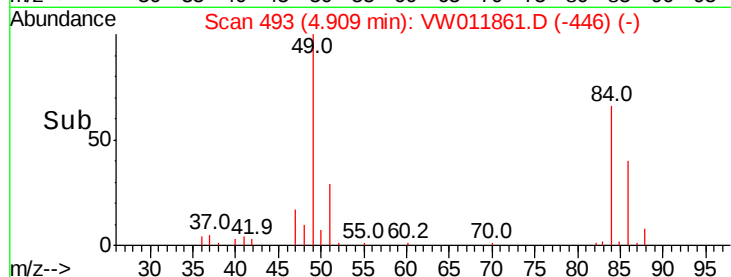
49 150.8 117.8 176.6

51 44.0 37.0 55.4

86 59.8 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



#25

2-Butanone

Concen: 1.079 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW011861.D

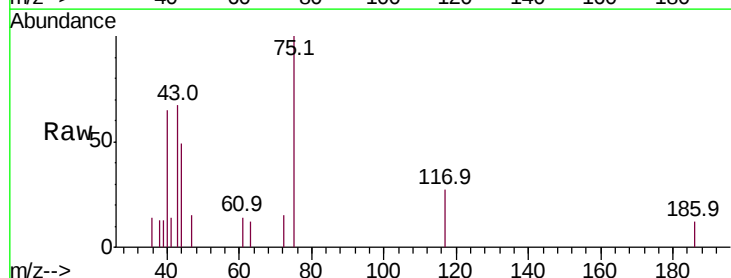
Acq: 12 Aug 2019 19:08

Tgt Ion: 43 Resp: 1026

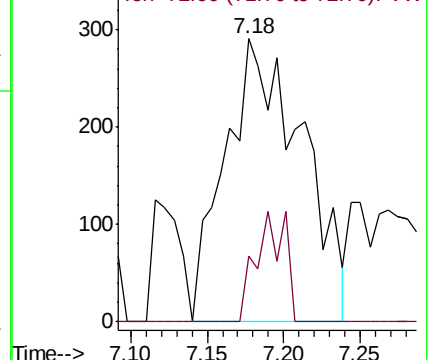
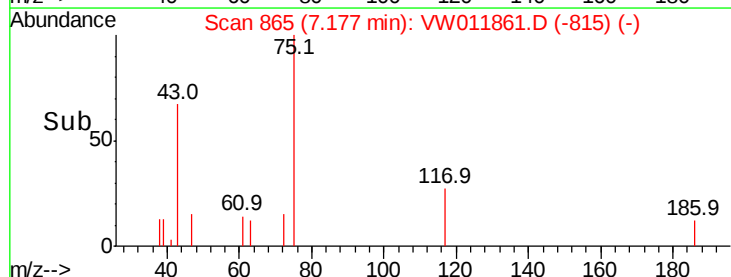
Ion Ratio Lower Upper

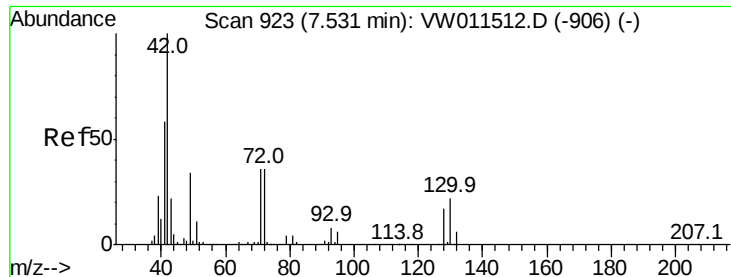
43 100

72 23.0 16.6 24.8



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

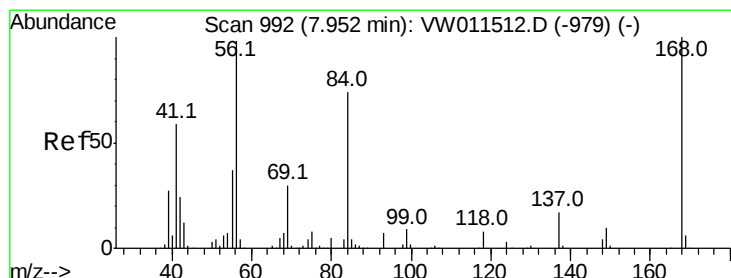
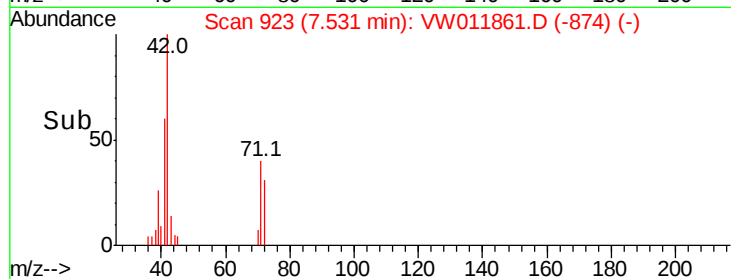
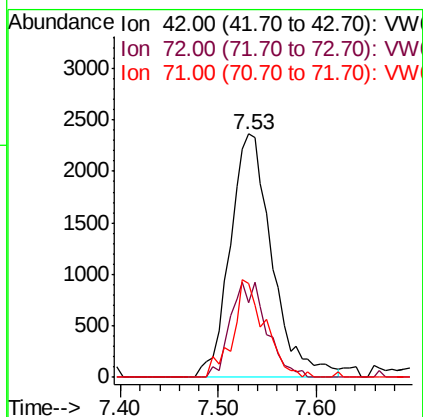
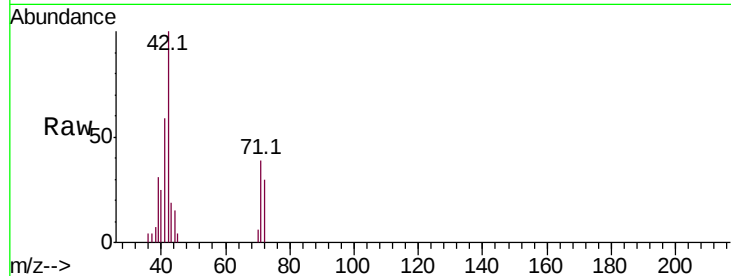




#29
Tetrahydrofuran
Concen: 12.930 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

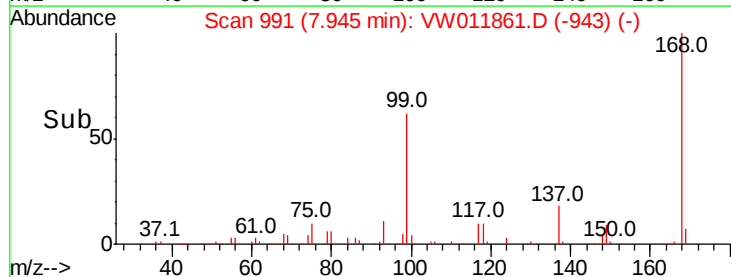
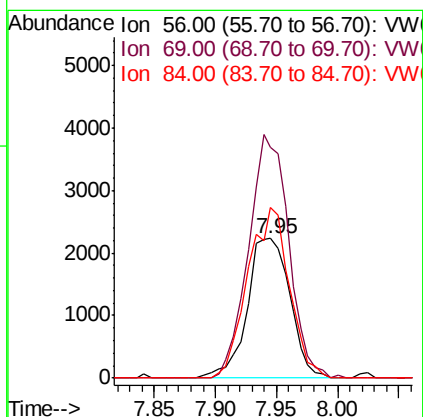
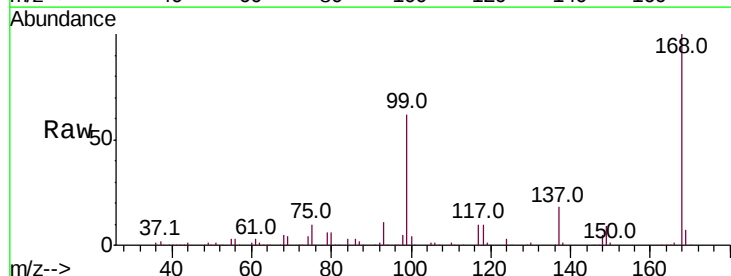
Instrument :
MSVOA_W
ClientSampleId :

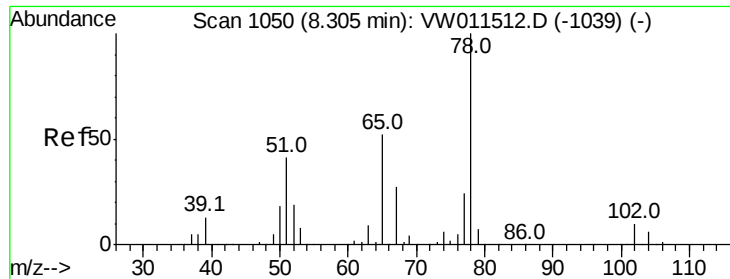
Tot Ion: 42 Resp: 7028
Ion Ratio Lower Upper
42 100
72 33.6 27.1 40.7
71 30.8 26.2 39.4



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

Tgt Ion: 56 Resp: 5452
Ion Ratio Lower Upper
56 100
69 164.9 24.3 36.5#
84 122.5 60.4 90.6#

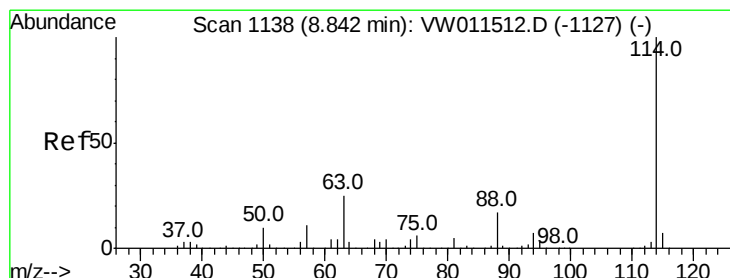
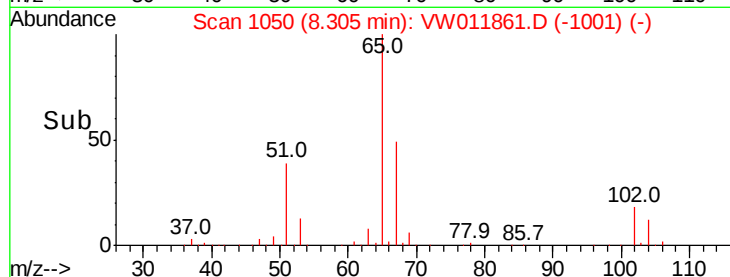
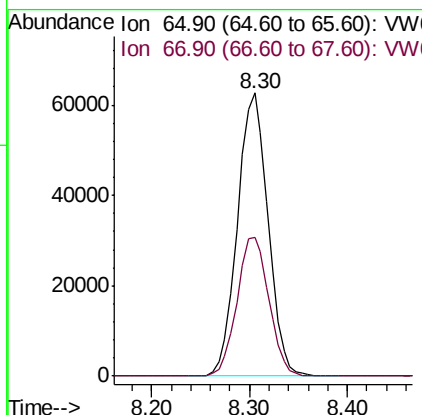
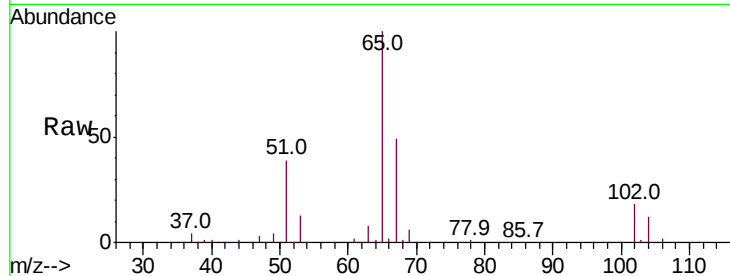




#33
 1,2-Dichloroethane-d4
 Concen: 59.597 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

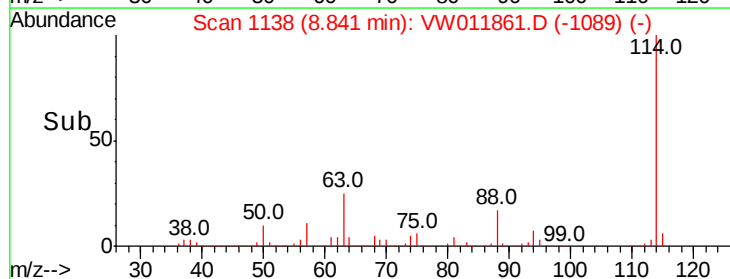
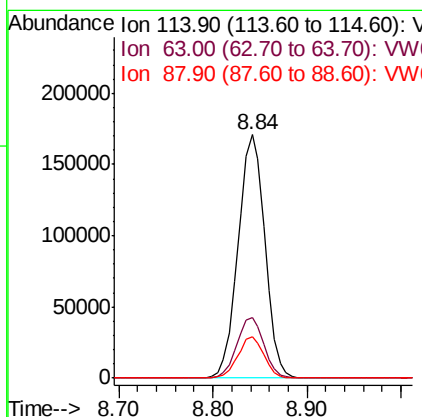
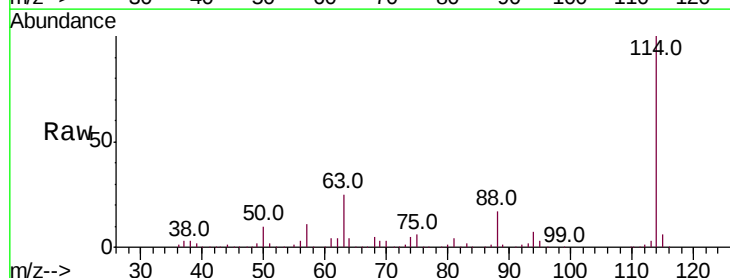
Instrument :
 MSVOA_W
 ClientSampleId :

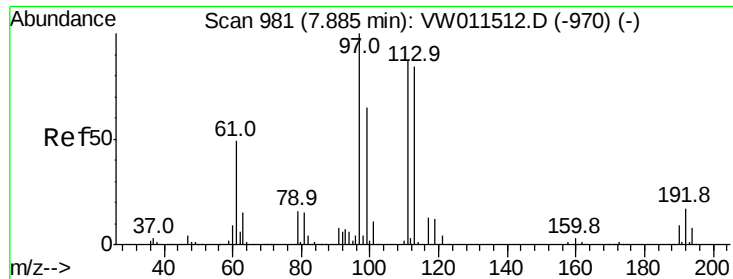
Tot Ion: 65 Resp: 136152
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

Tgt Ion: 114 Resp: 338297
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.8 0.0 33.8

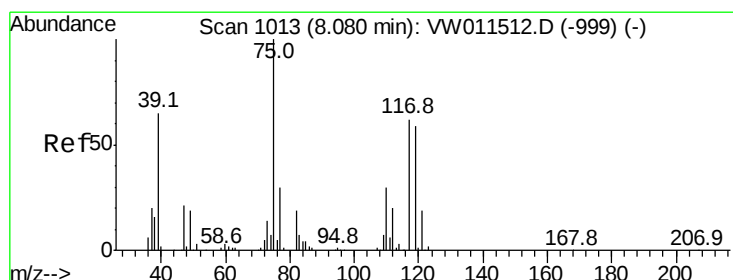
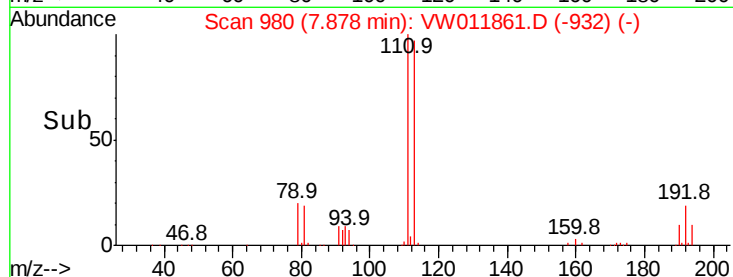
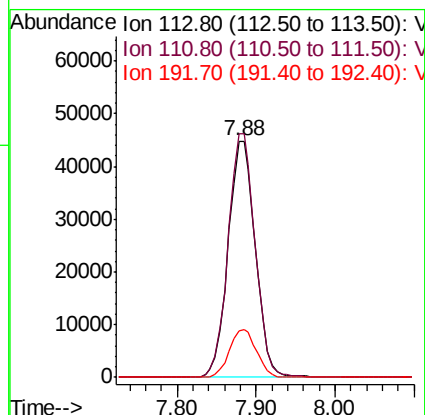
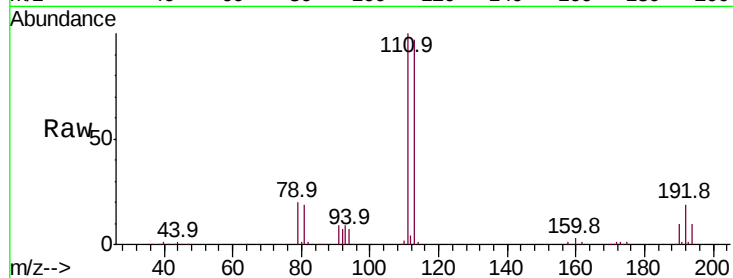




#35
 Dibromofluoromethane
 Concen: 56.514 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

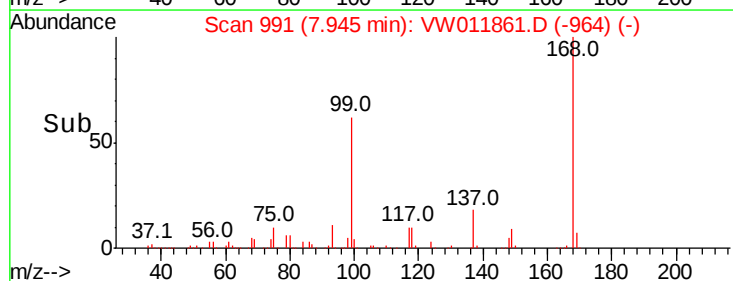
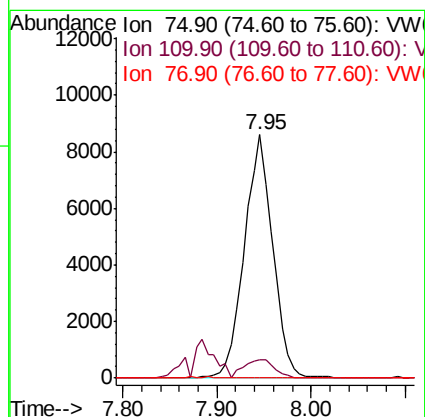
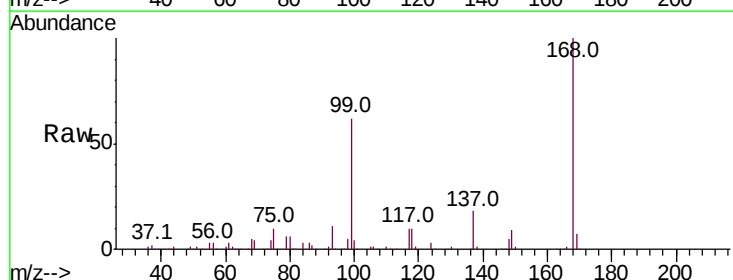
Instrument :
 MSVOA_W
 ClientSampleId :

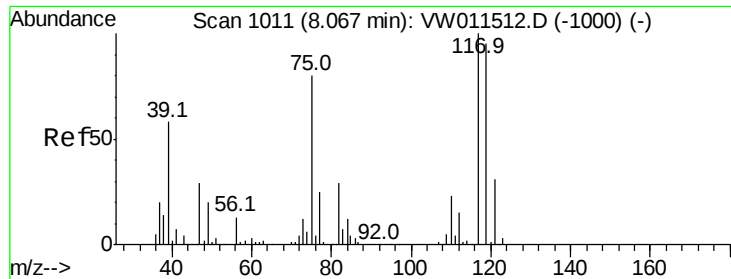
Tot Ion:113 Resp: 107258
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.7 124.1
 192 20.4 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

Tgt Ion: 75 Resp: 18155
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.823 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011861.D

Acq: 12 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampled :

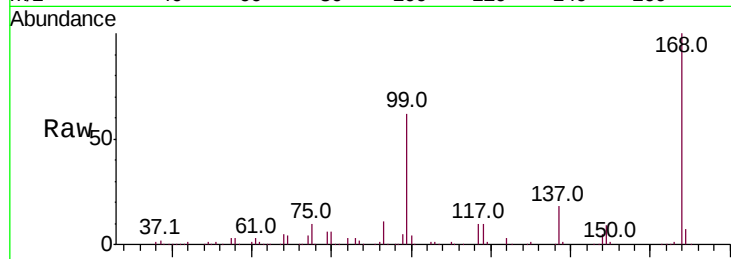
Tot Ion:117 Resp: 20548

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

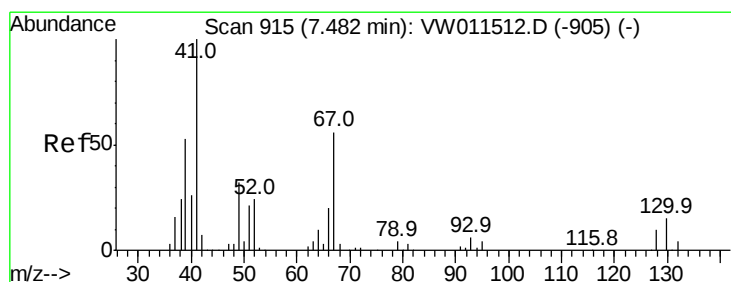
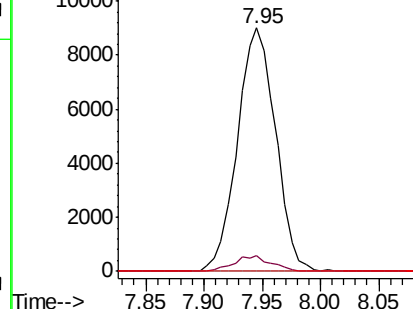
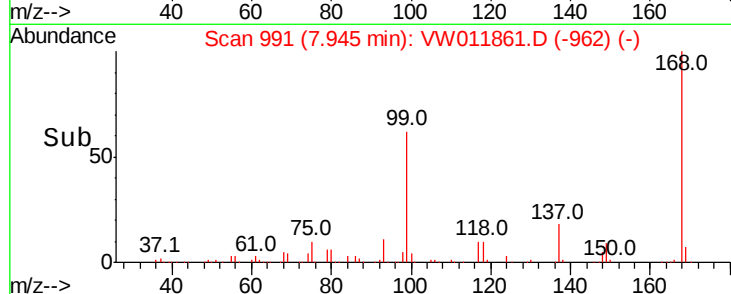
121 0.0 24.7 37.1#



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



#41

Methacrylonitrile

Concen: 3.445 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.04 min

Lab File: VW011861.D

Acq: 12 Aug 2019 19:08

Tgt Ion: 41 Resp: 4168

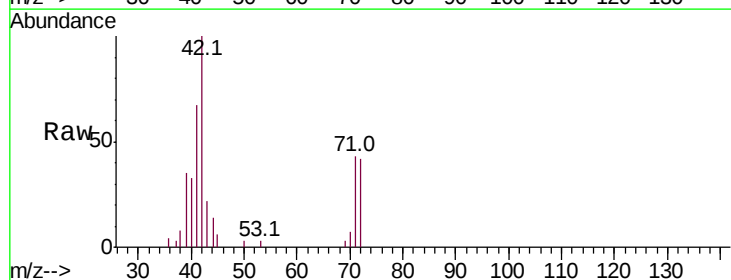
Ion Ratio Lower Upper

41 100

39 52.1 43.0 64.4

67 0.0 47.5 71.3#

52 0.0 21.0 31.6#

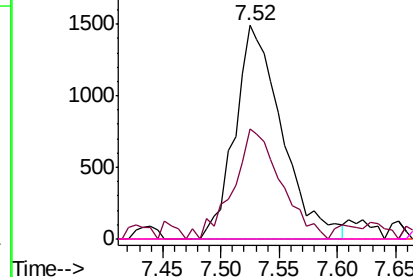
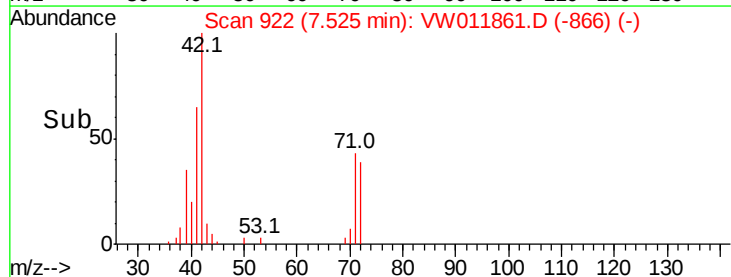


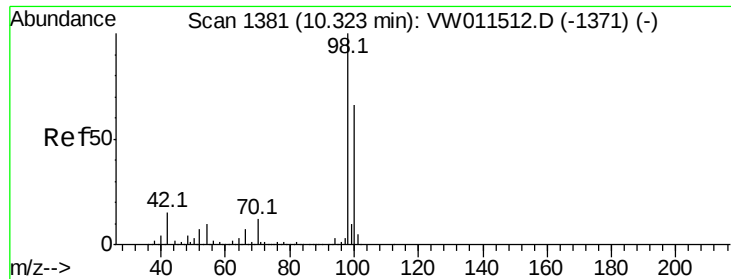
Abundance Ion 41.00 (40.70 to 41.70): VV

Ion 39.00 (38.70 to 39.70): VV

Ion 67.00 (66.70 to 67.70): VV

Ion 52.00 (51.70 to 52.70): VV

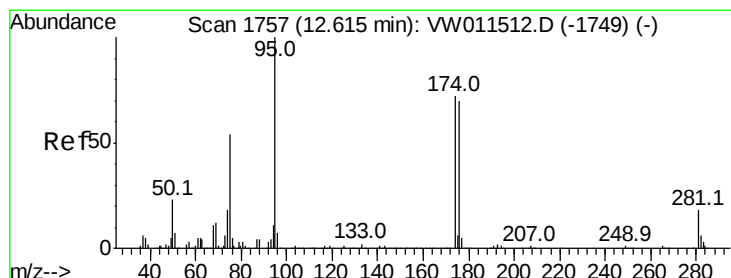
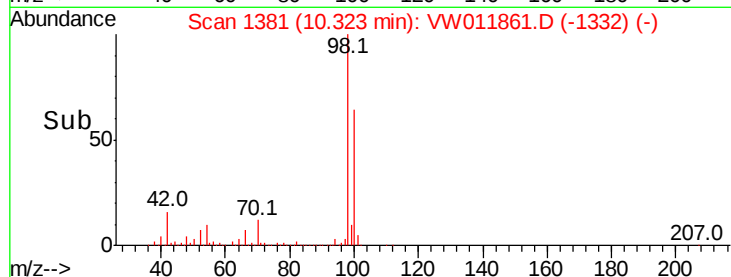
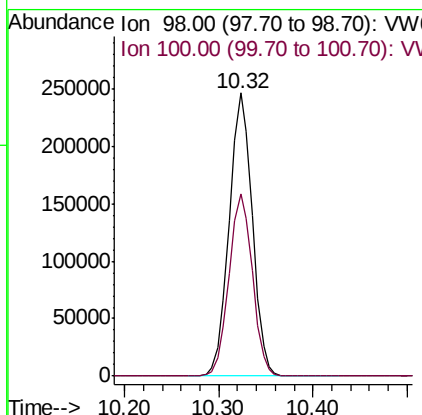
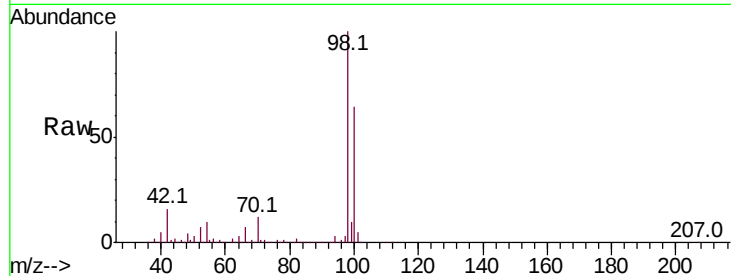




#50
Toluene-d8
Concen: 53.935 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

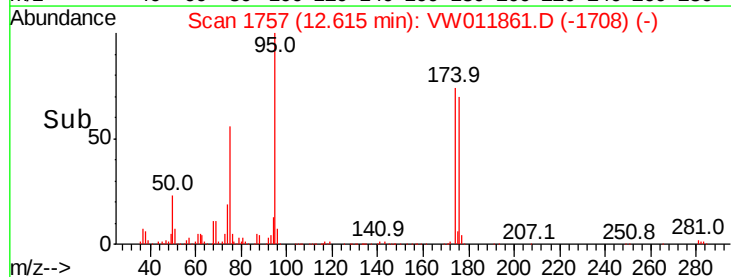
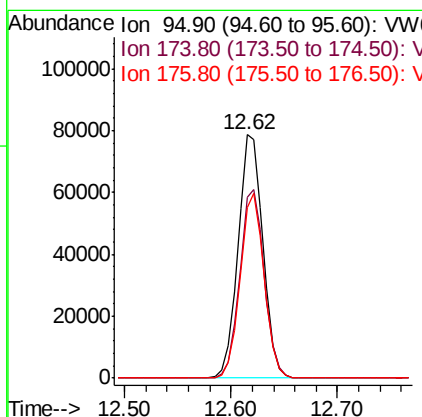
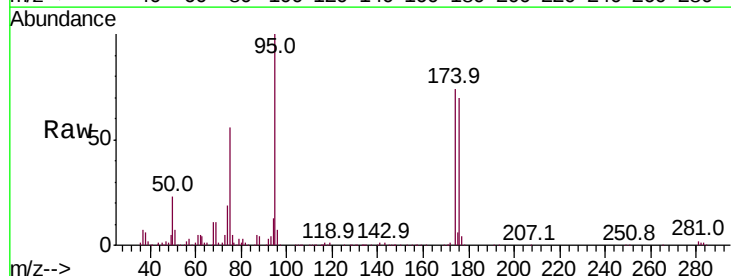
Instrument :
MSVOA_W
ClientSampled :

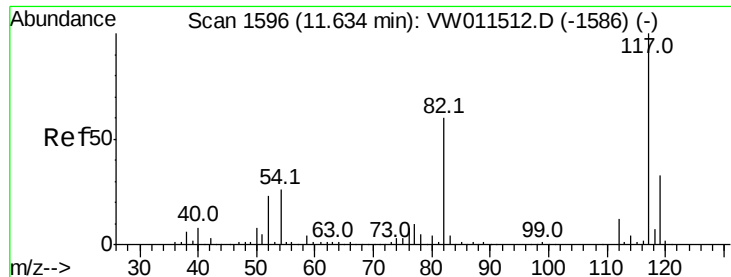
Tot Ion: 98 Resp: 419108
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.409 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

Tgt Ion: 95 Resp: 128569
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.2
176 73.3 0.0 144.4

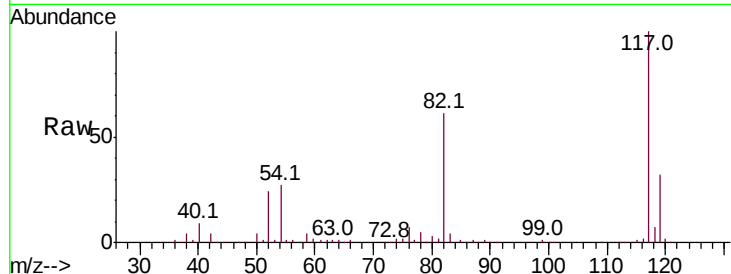




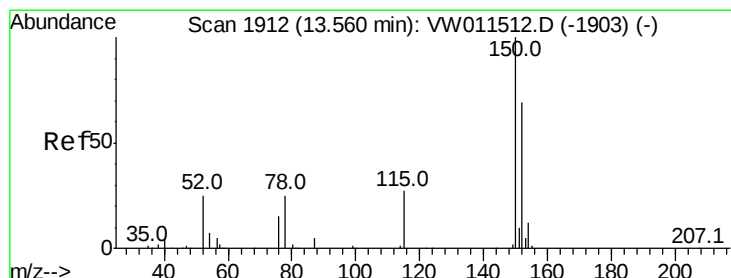
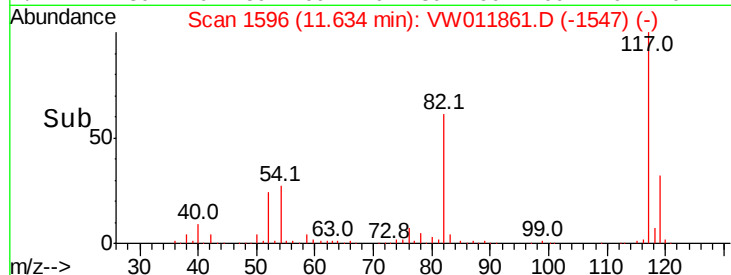
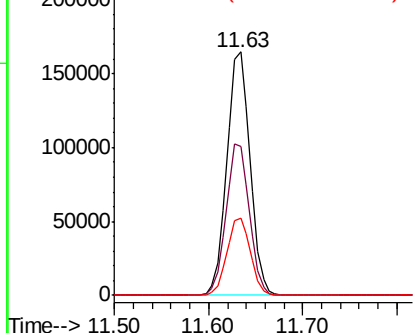
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 281232
Ion Ratio Lower Upper
117 100
82 61.0 47.9 71.9
119 31.9 26.2 39.2

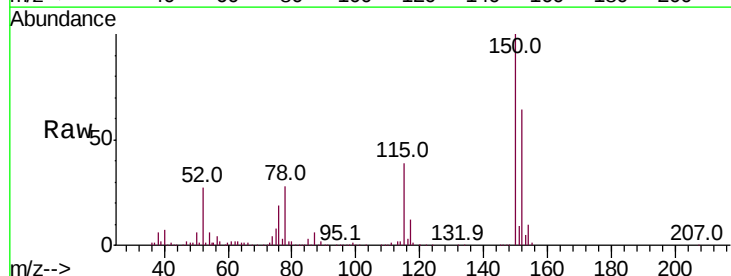


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

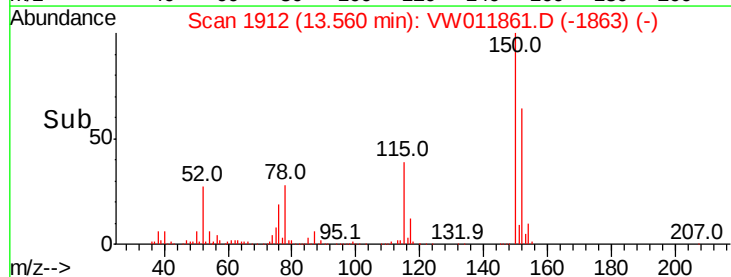
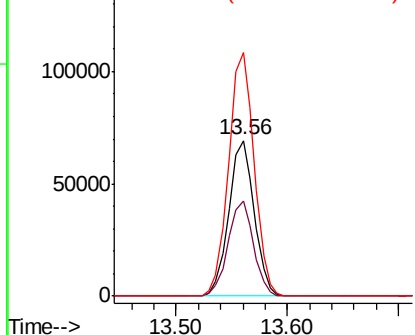


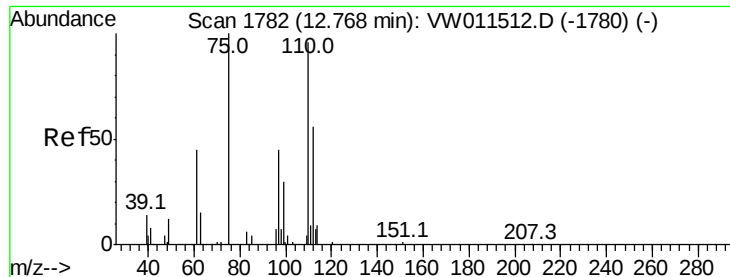
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011861.D
Acq: 12 Aug 2019 19:08

Tgt Ion:152 Resp: 109179
Ion Ratio Lower Upper
152 100
115 61.1 30.5 91.5
150 157.6 0.0 352.6



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

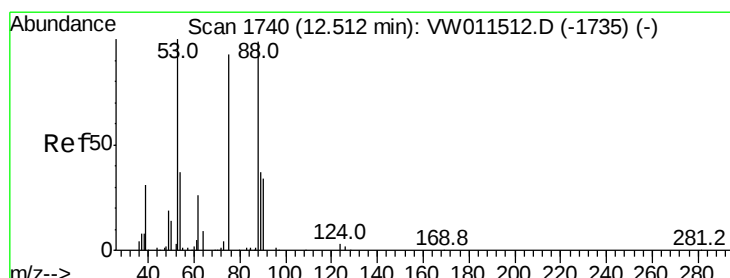
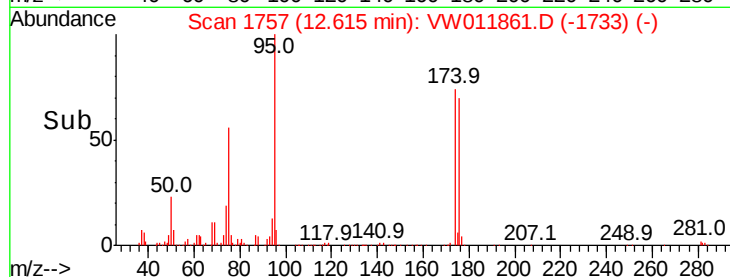
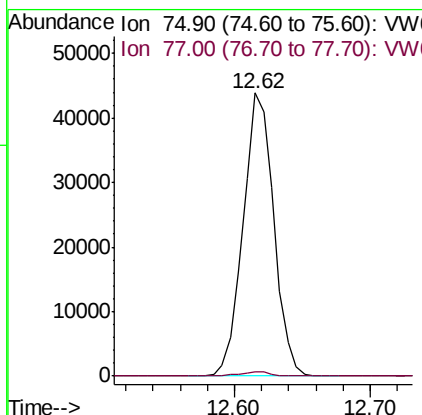
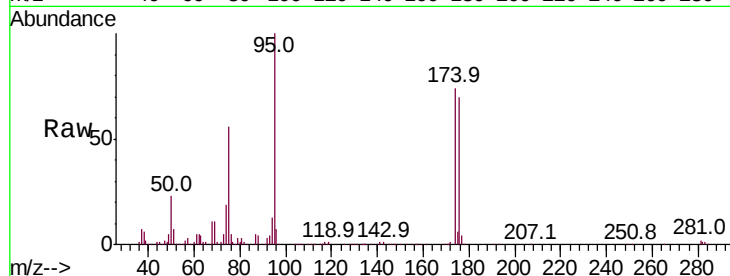




#76
 1,2,3-Trichloropropane
 Concen: 60.018 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

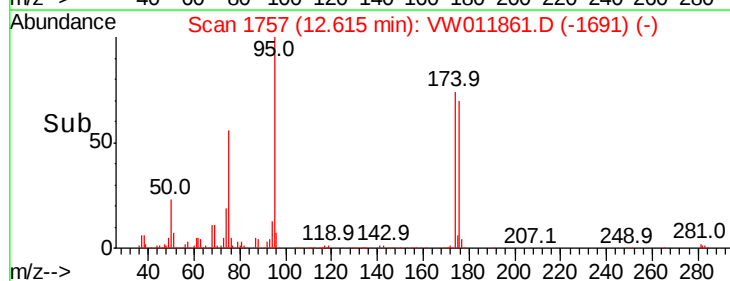
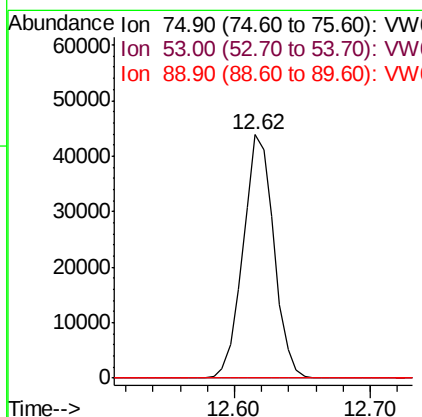
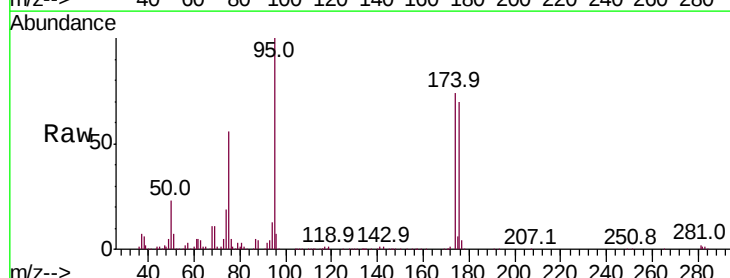
Instrument :
 MSVOA_W
 ClientSampleId :

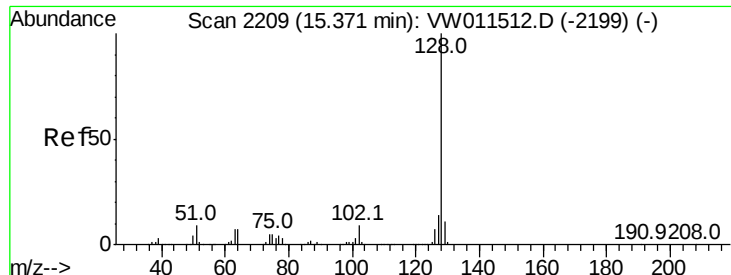
Tot Ion: 75 Resp: 69335
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.320 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011861.D
 Acq: 12 Aug 2019 19:08

Tgt Ion: 75 Resp: 69335
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.170 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW011861.D

Acq: 12 Aug 2019 19:08

Instrument :

MSVOA_W

ClientSampleId :

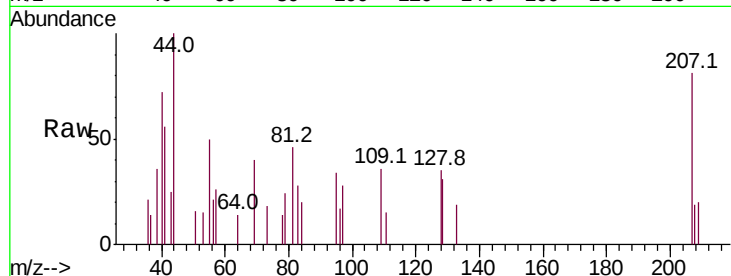
Tot Ion:128 Resp: 466

Ion Ratio Lower Upper

128 100

127 6.9 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

