

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012874.D
 Acq On : 10 Sep 2019 16:50
 Operator : SY/VA
 Sample : K4692-05
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

Quant Time: Sep 10 17:50:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	206517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	301941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	193032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	46260	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	105334	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
35) Dibromofluoromethane	7.88	113	91001	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
50) Toluene-d8	10.32	98	327930	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	
62) 4-Bromofluorobenzene	12.62	95	67990	26.63	ug/l	0.00
Spiked Amount			Recovery	=	53.26%	

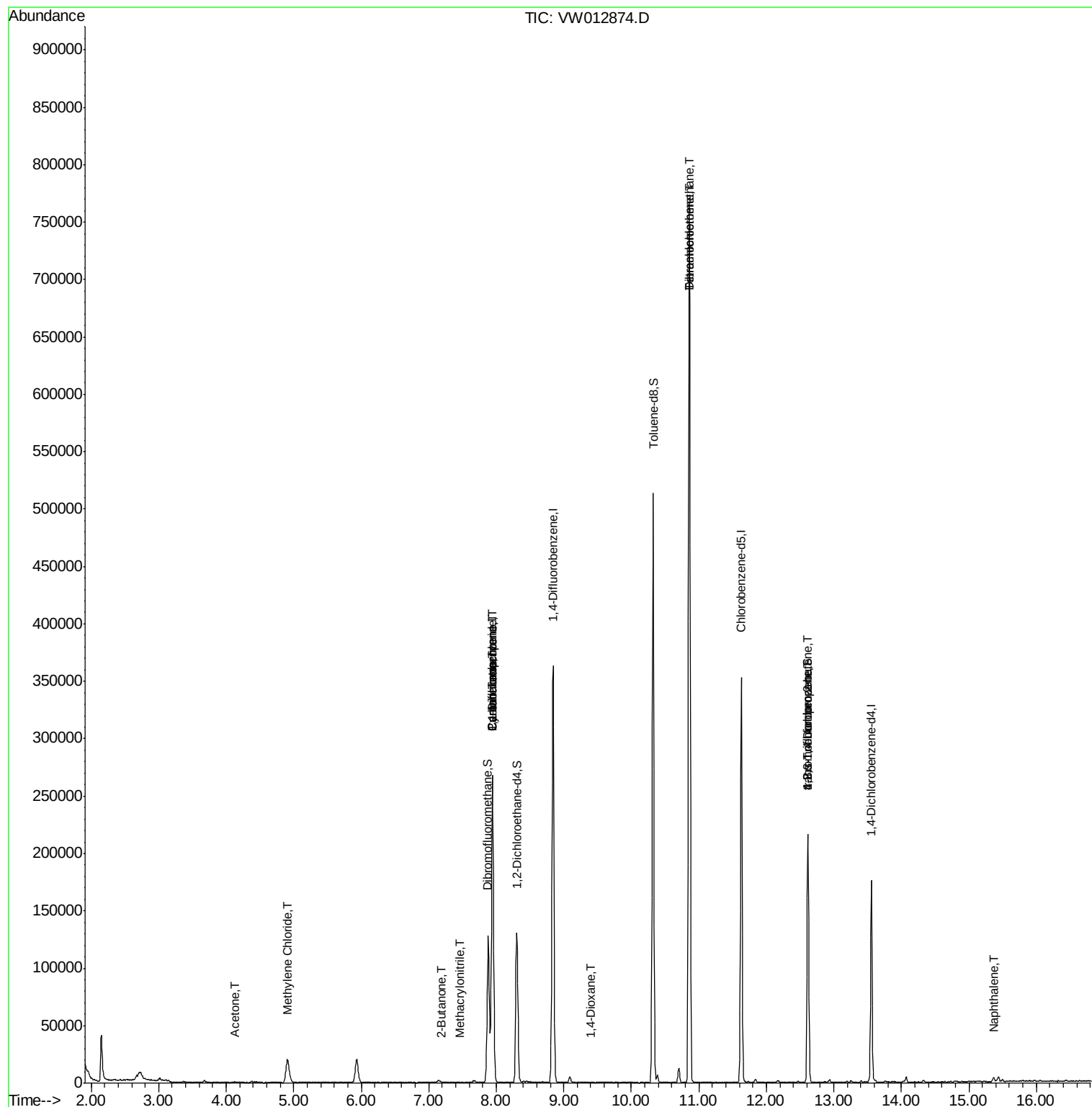
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	1471	2.338	ug/l	99
20) Methylene Chloride	4.90	84	16367	8.316	ug/l	91
25) 2-Butanone	7.19	43	45	19.725	ug/l #	53
31) Cyclohexane	7.94	56	4487	1.323	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	15203	5.667	ug/l #	51
38) Carbon Tetrachloride	7.95	117	19375	7.326	ug/l #	15
41) Methacrylonitrile	7.47	41	25	3.859	ug/l #	1
49) 1,4-Dioxane	9.40	88	28	1.450	ug/l #	1
60) Dibromochloromethane	10.86	129	150521	87.445	ug/l #	11
64) Tetrachloroethene	10.86	164	182828	156.093	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	35109	74.222	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35109	156.984	ug/l #	6
95) Naphthalene	15.37	128	3023	5.858	ug/l	96

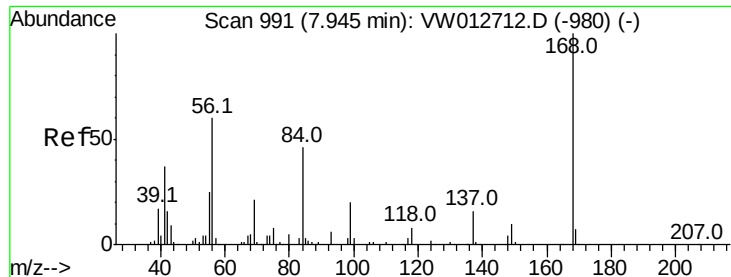
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

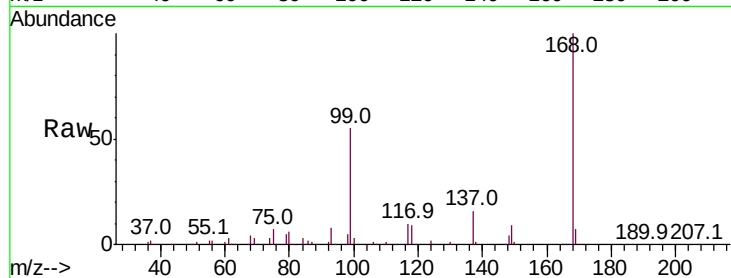
SB-30-9.5-10.0

Tot Ion:168 Resp: 206517

Ion Ratio Lower Upper

168 100

99 54.9 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

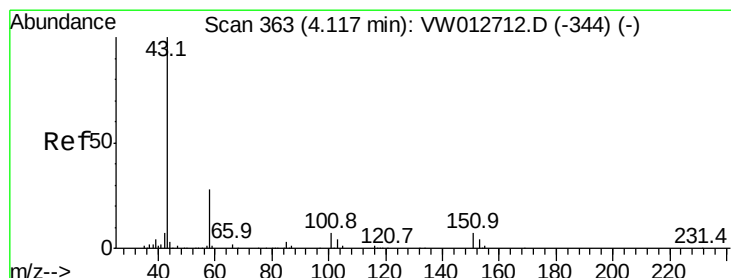
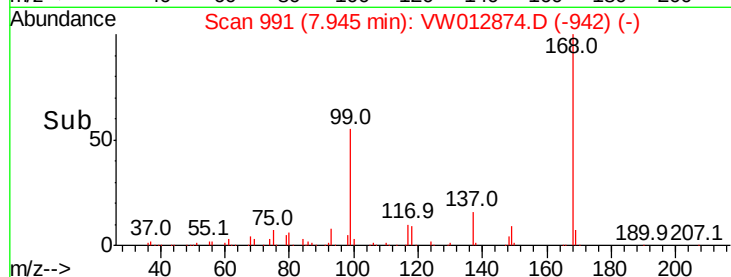
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.338 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012874.D

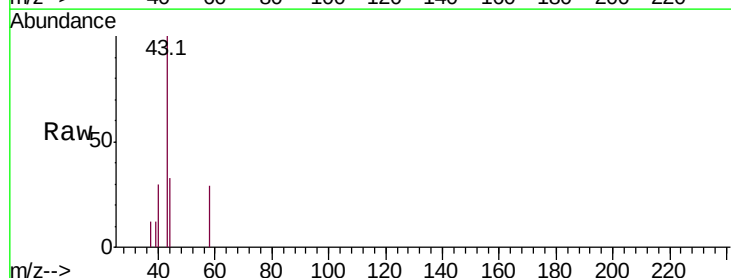
Acq: 10 Sep 2019 16:50

Tgt Ion: 43 Resp: 1471

Ion Ratio Lower Upper

43 100

58 28.9 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

500

400

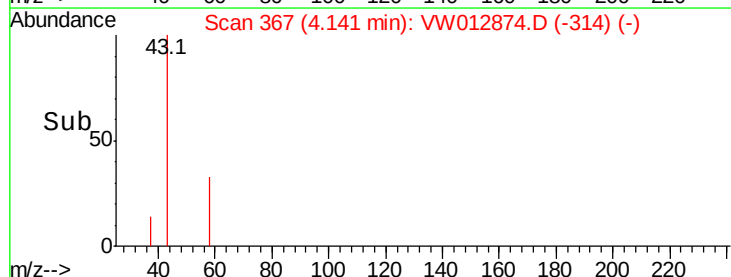
300

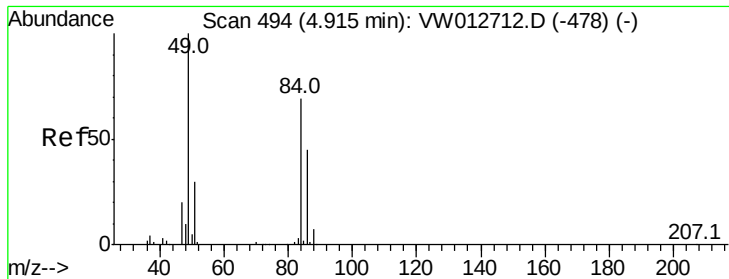
200

100

0

Time--> 4.00 4.05 4.10 4.15 4.20





#20

Methylene Chloride

Concen: 8.316 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

Tot Ion: 84 Resp: 16367

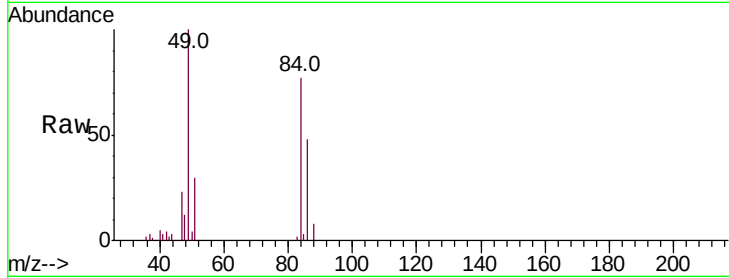
Ion Ratio Lower Upper

84 100

49 129.5 115.4 173.0

51 39.1 34.9 52.3

86 62.1 52.2 78.4



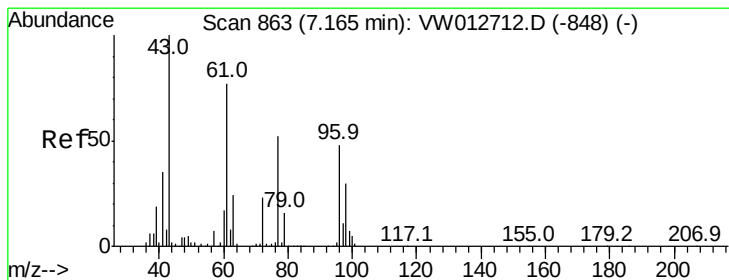
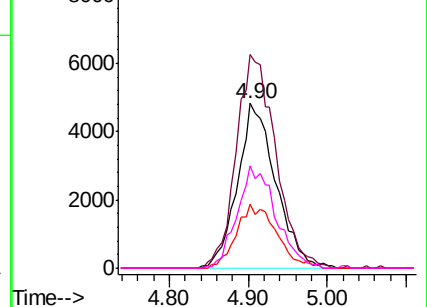
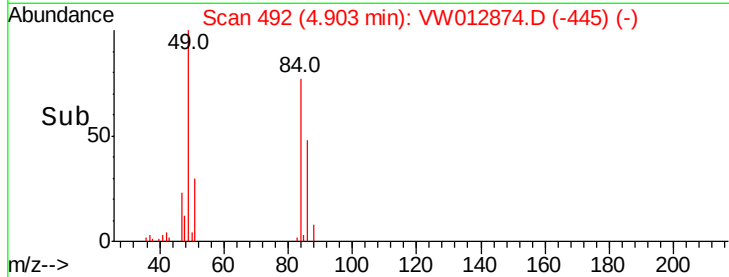
Abundance

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: 19.725 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012874.D

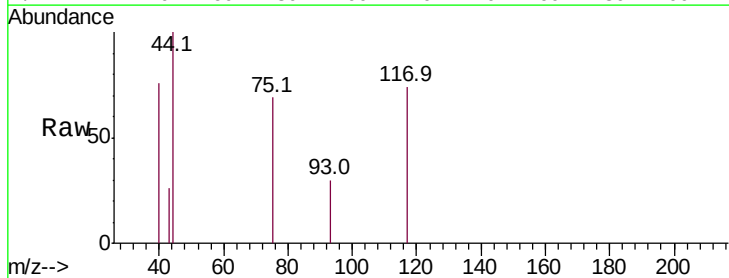
Acq: 10 Sep 2019 16:50

Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

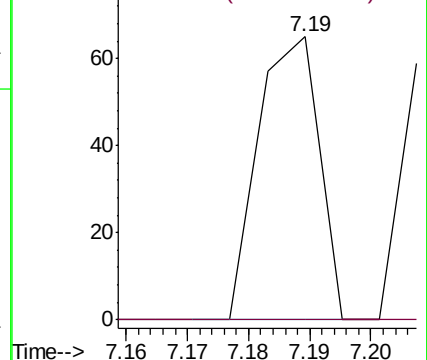
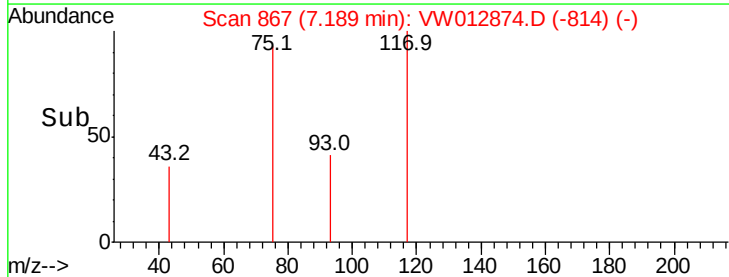
72 0.0 18.0 27.0#

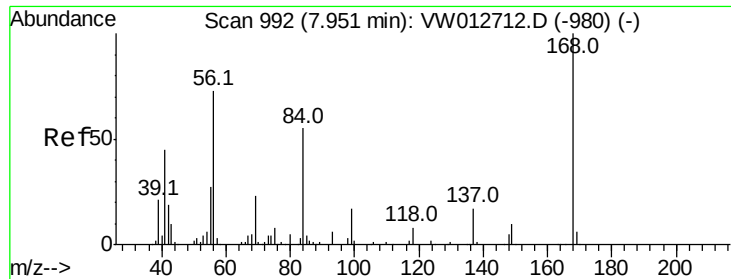


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

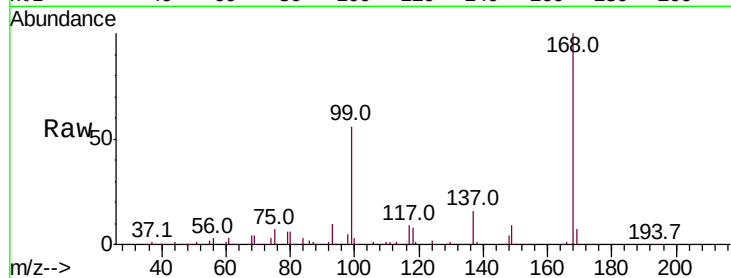




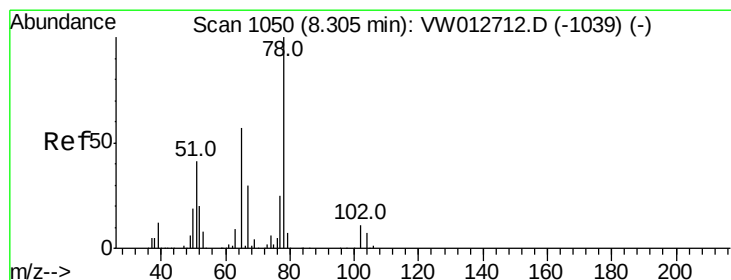
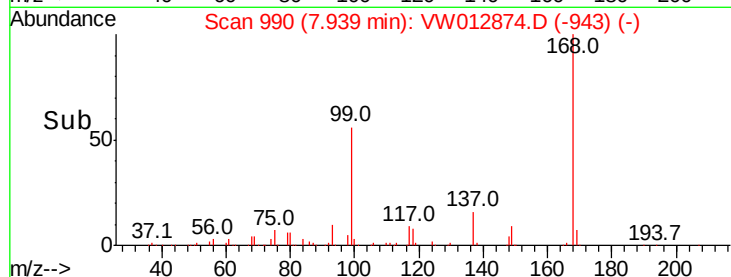
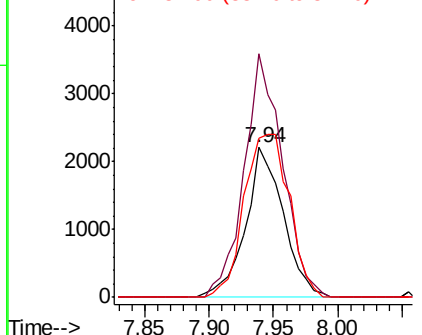
#31
Cyclohexane
Concen: 1.323 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

Instrument :
MSVOA_W
ClientSampleId :
SB-30-9.5-10.0

Tot Ion: 56 Resp: 4487
Ion Ratio Lower Upper
56 100
69 162.2 25.7 38.5#
84 105.8 60.4 90.6#

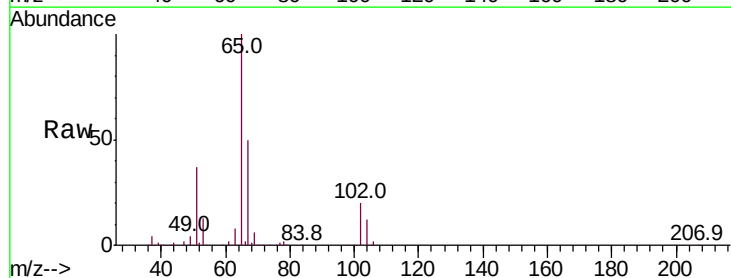


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

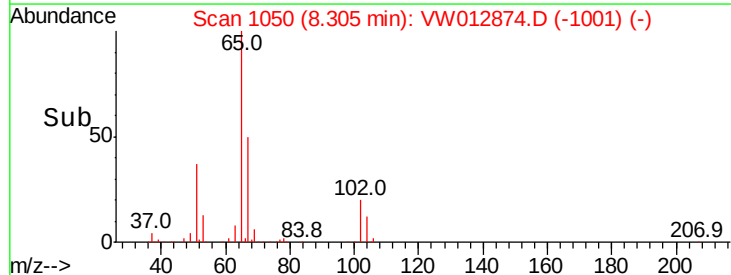
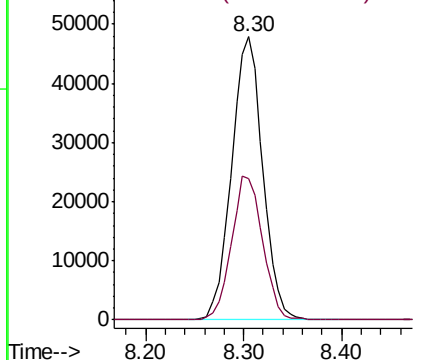


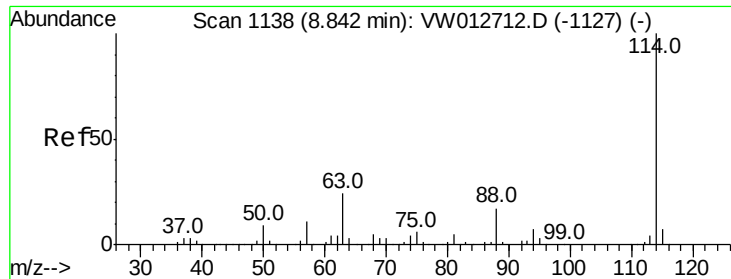
#33
1,2-Dichloroethane-d4
Concen: 45.649 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

Tgt Ion: 65 Resp: 105334
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8



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

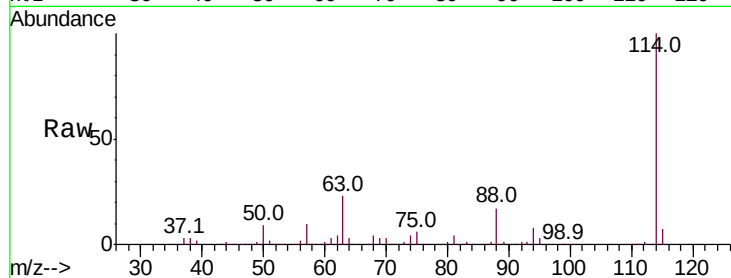




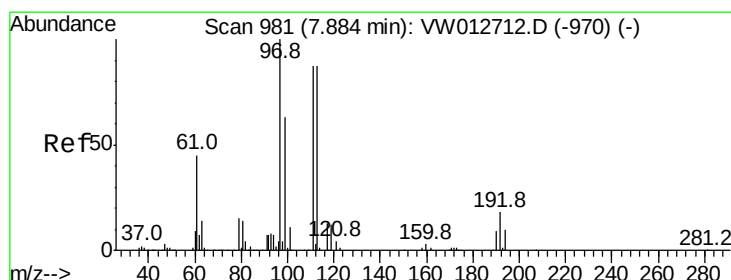
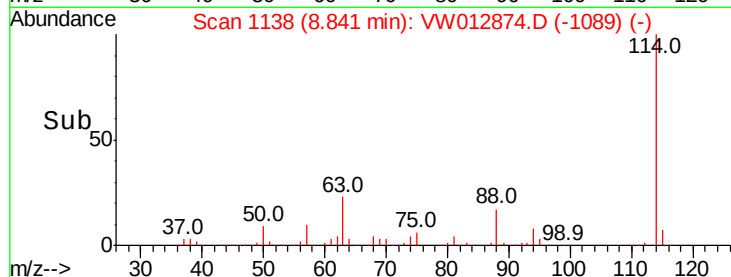
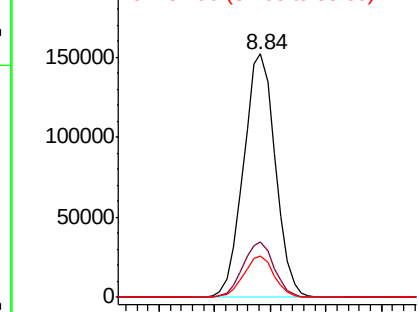
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012874.D
 Acq: 10 Sep 2019 16:50

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-30-9.5-10.0

Tot Ion:	114	Resp:	301941
Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	47.2
88	17.1	0.0	34.0

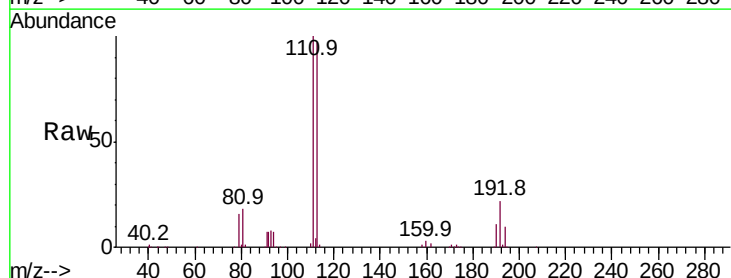


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

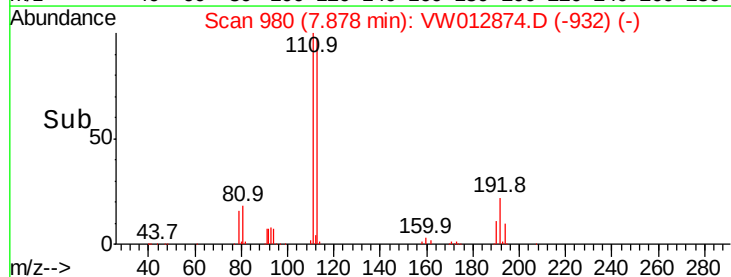
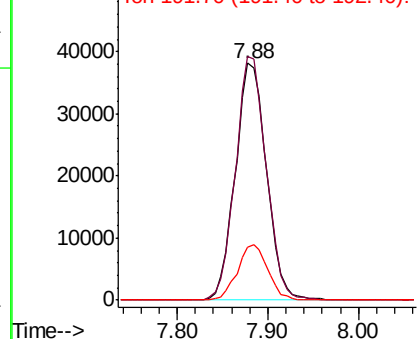


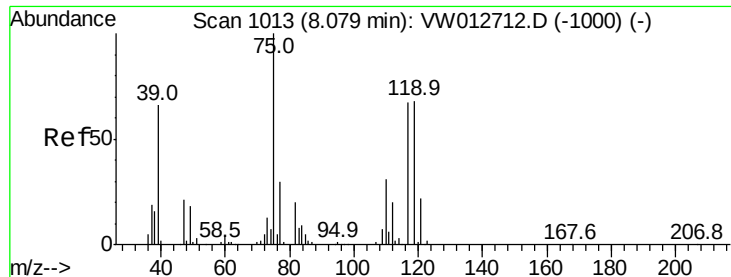
#35
 Dibromofluoromethane
 Concen: 50.693 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012874.D
 Acq: 10 Sep 2019 16:50

Tgt Ion:	113	Resp:	91001
Ion	Ratio	Lower	Upper
113	100		
111	101.4	80.2	120.4
192	22.6	17.3	25.9



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: 5.667 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

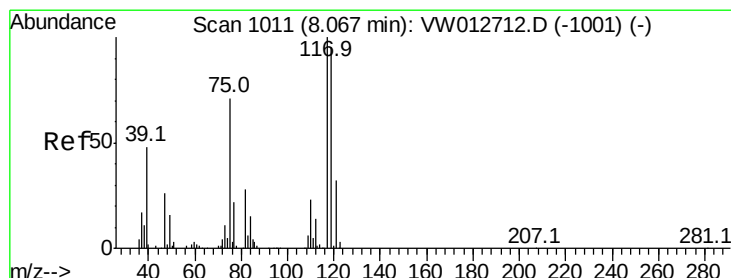
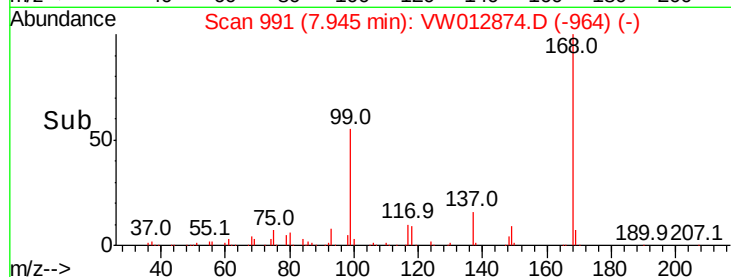
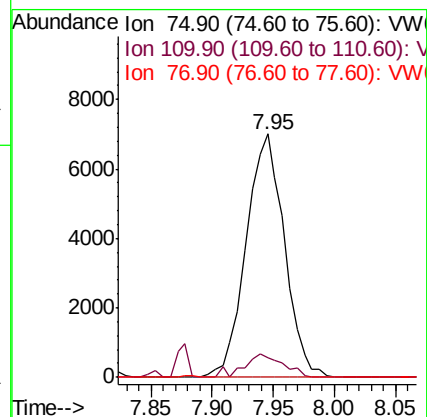
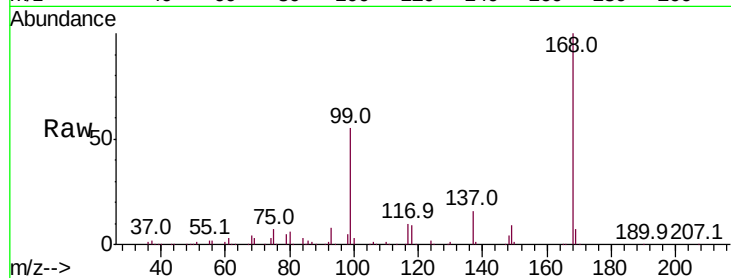
Tot Ion: 75 Resp: 15203

Ion Ratio Lower Upper

75 100

110 9.0 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.326 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

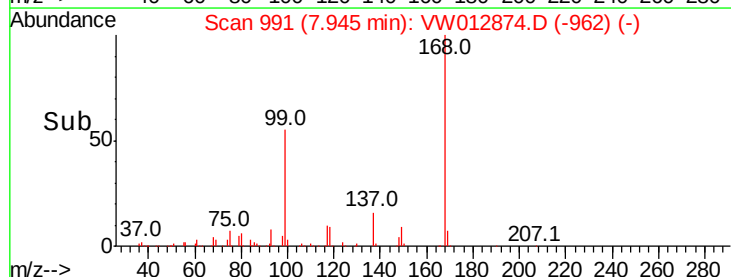
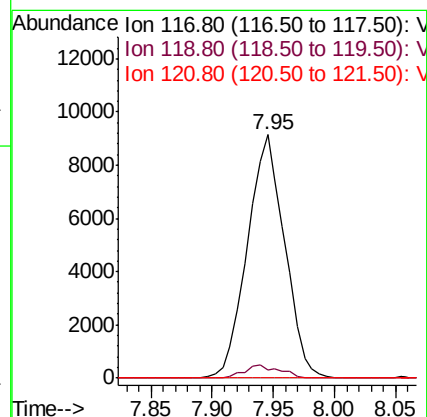
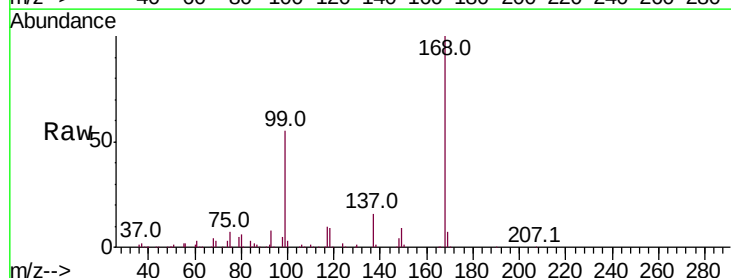
Tgt Ion: 117 Resp: 19375

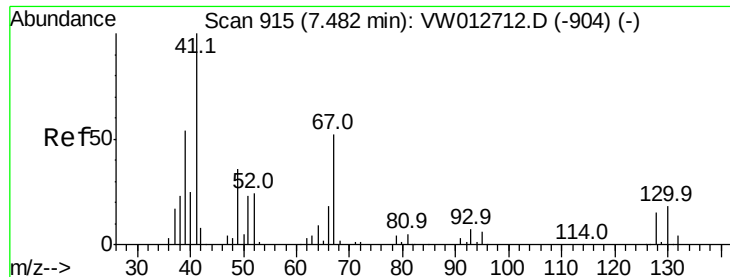
Ion Ratio Lower Upper

117 100

119 3.2 76.2 114.2#

121 0.0 25.4 38.2#

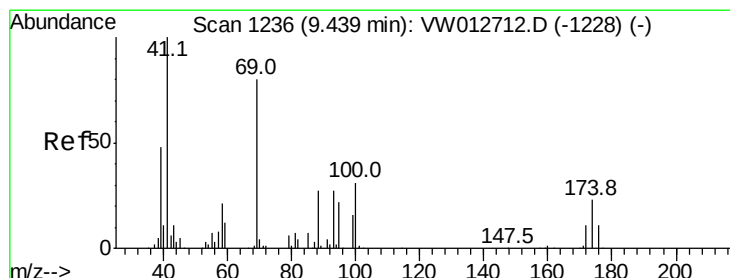
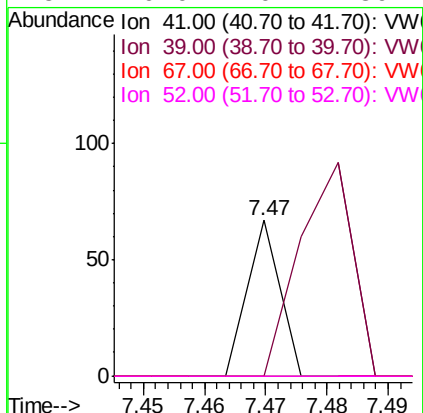
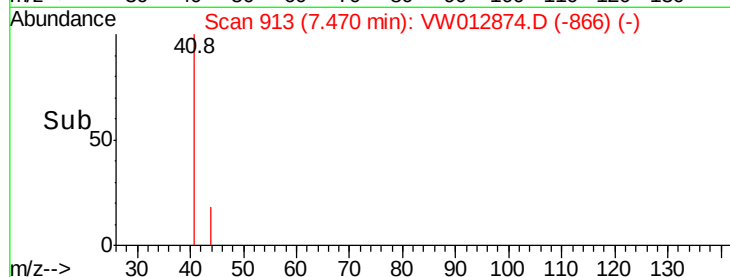
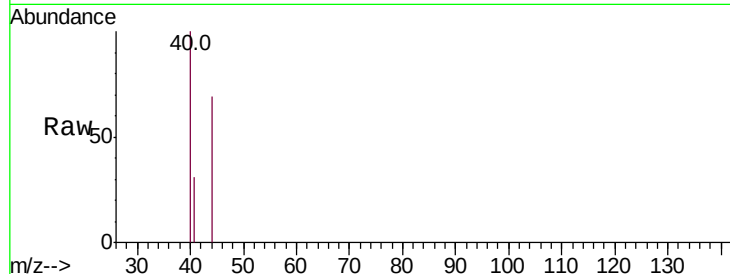




#41
Methacrylonitrile
Concen: 3.859 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

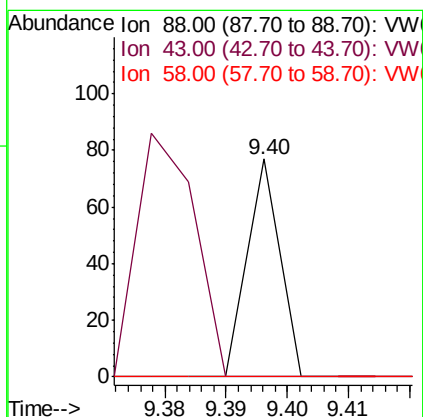
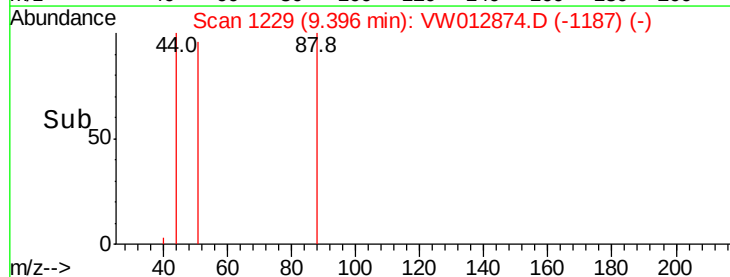
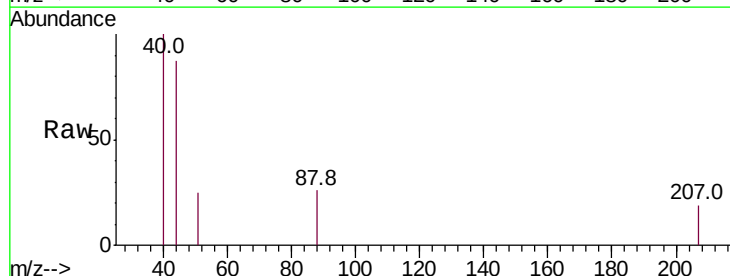
Instrument :
MSVOA_W
ClientSampled :
SB-30-9.5-10.0

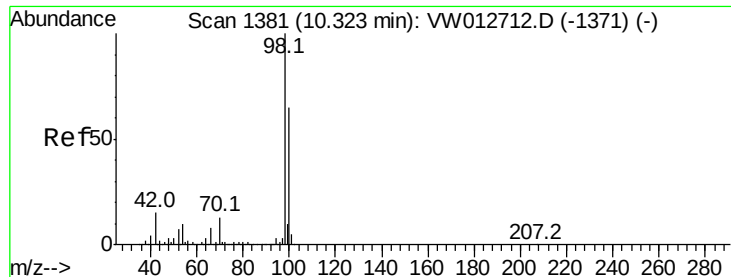
Tot Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
39 224.0 47.5 71.3#
67 0.0 45.1 67.7#
52 0.0 20.2 30.2#



#49
1,4-Dioxane
Concen: 1.450 ug/l
RT: 9.40 min Scan# 1229
Delta R.T. -0.04 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 203.6 34.8 52.2#
58 0.0 64.1 96.1#

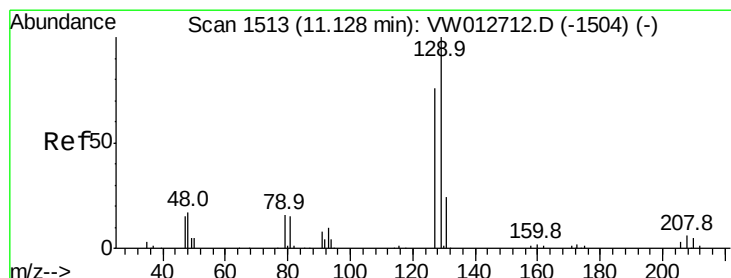
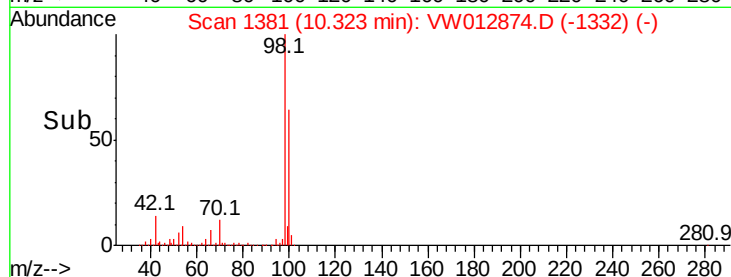
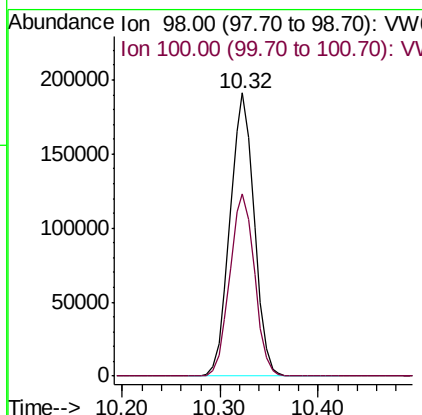
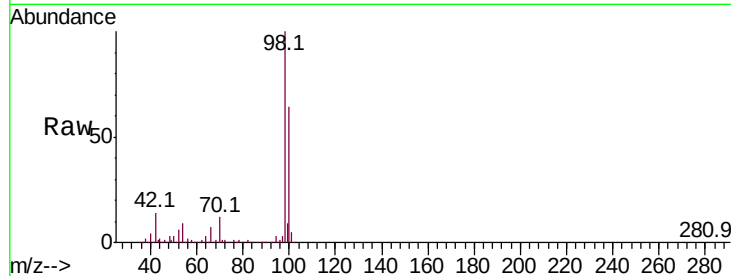




#50
Toluene-d8
Concen: 46.628 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

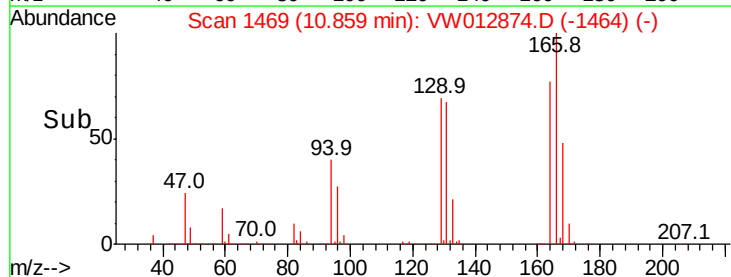
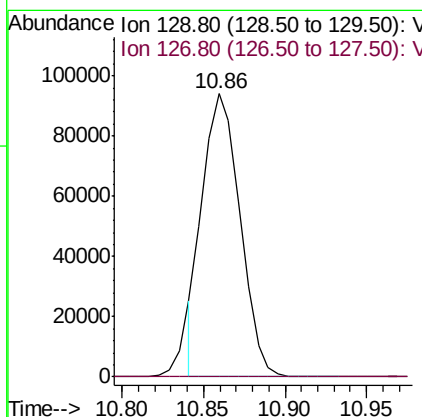
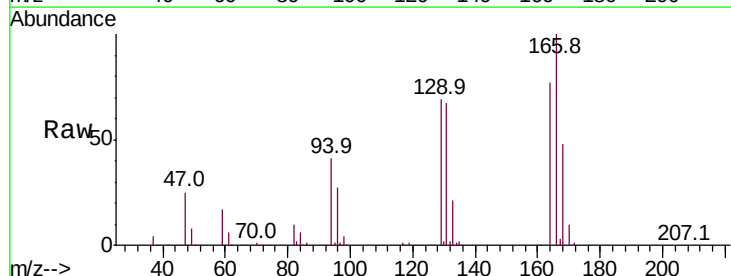
Instrument :
MSVOA_W
ClientSampled :
SB-30-9.5-10.0

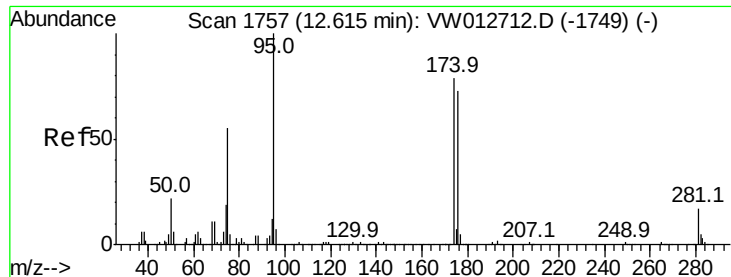
Tot Ion: 98 Resp: 327930
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#60
Dibromochloromethane
Concen: 87.445 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.27 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

Tgt Ion: 129 Resp: 150521
Ion Ratio Lower Upper
129 100
127 0.3 38.6 115.8#

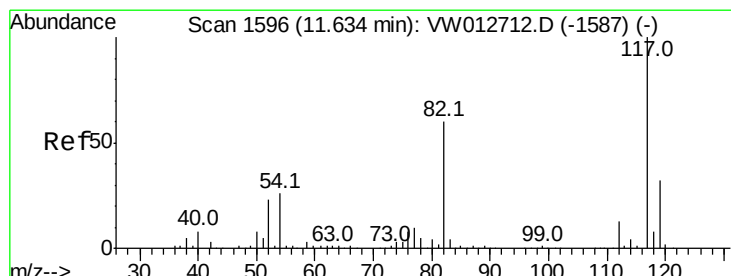
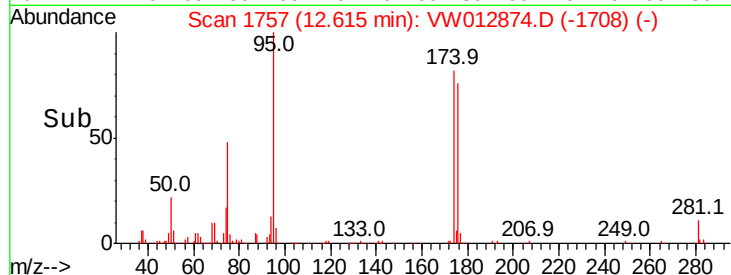
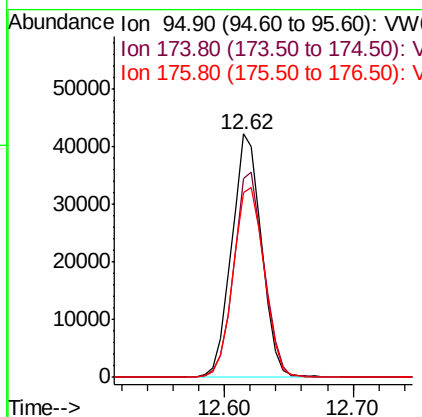
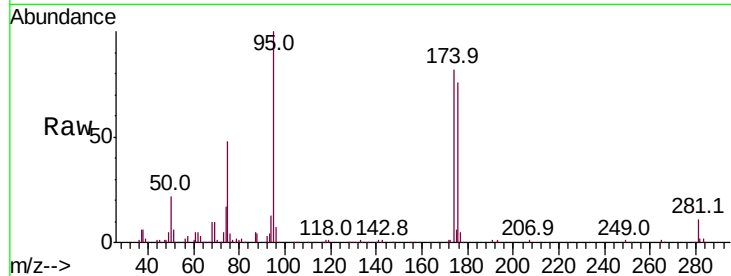




#62
4-Bromofluorobenzene
Concen: 26.630 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

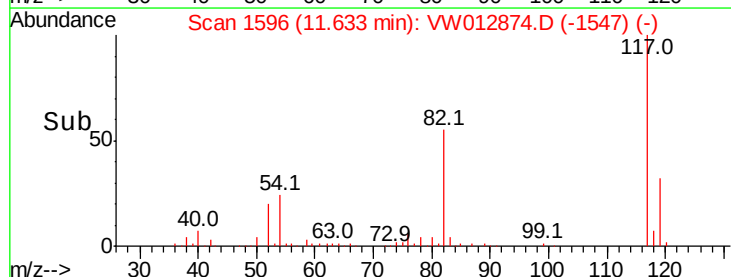
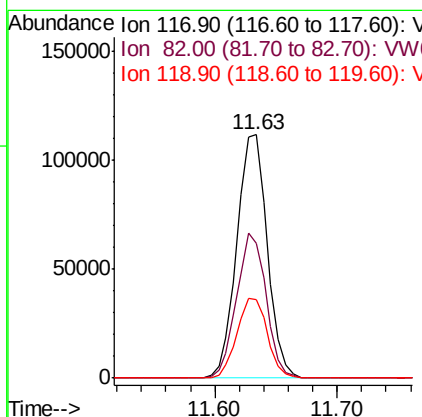
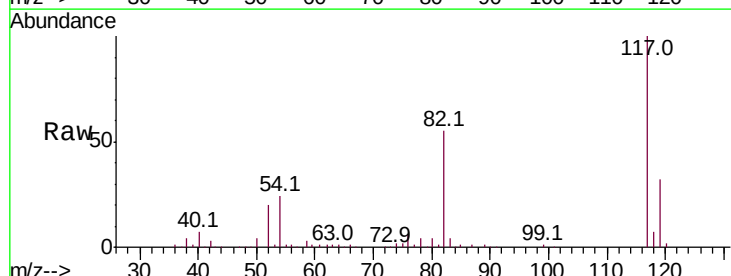
Instrument :
MSVOA_W
ClientSampleId :
SB-30-9.5-10.0

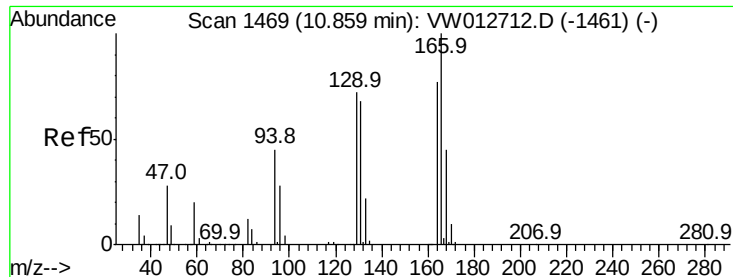
Tot Ion: 95 Resp: 67990
Ion Ratio Lower Upper
95 100
174 85.0 0.0 161.0
176 81.4 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012874.D
Acq: 10 Sep 2019 16:50

Tgt Ion: 117 Resp: 193032
Ion Ratio Lower Upper
117 100
82 55.3 48.2 72.4
119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 156.093 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

Tot Ion:164 Resp: 182828

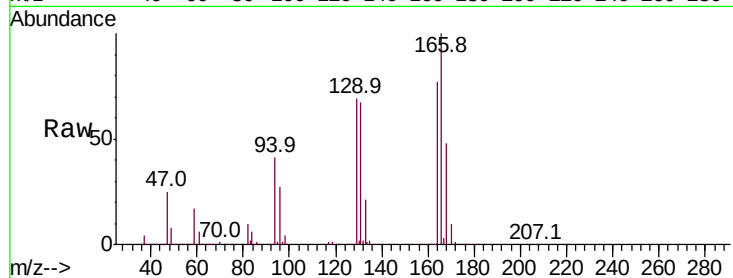
Ion Ratio Lower Upper

164 100

166 129.1 103.6 155.4

129 89.2 74.6 112.0

131 86.2 70.6 106.0



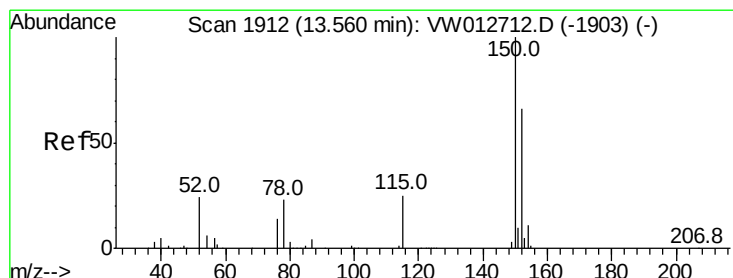
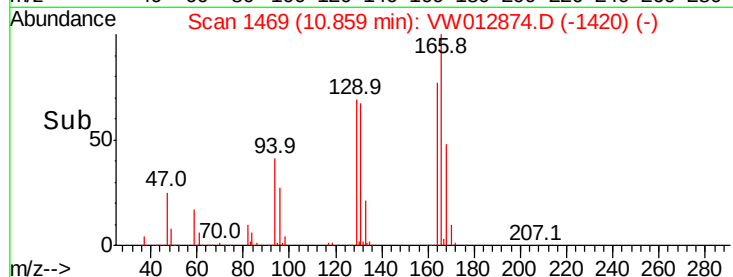
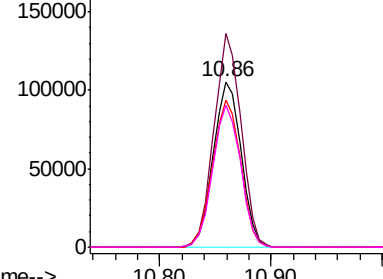
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

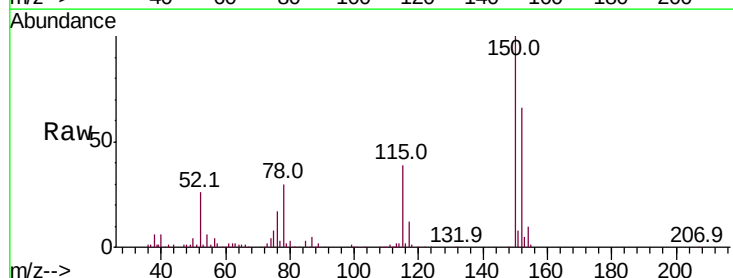
Tgt Ion:152 Resp: 46260

Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.1

150 156.7 0.0 349.0

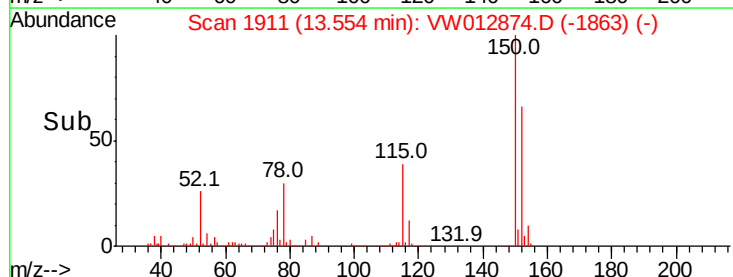
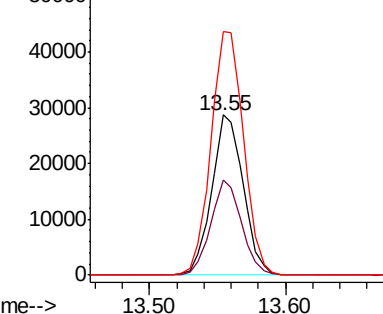


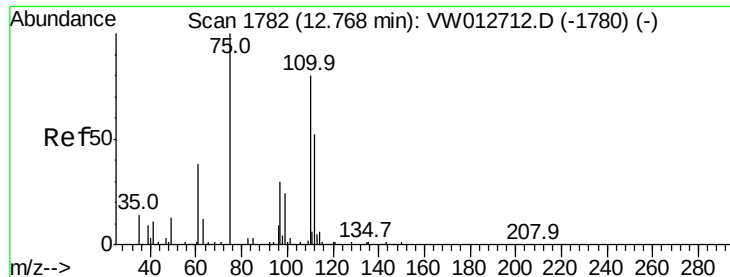
Abundance

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: 74.222 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

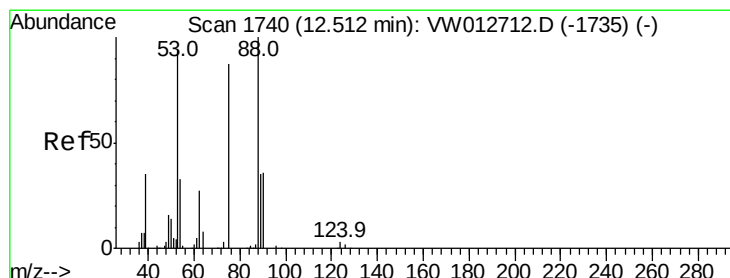
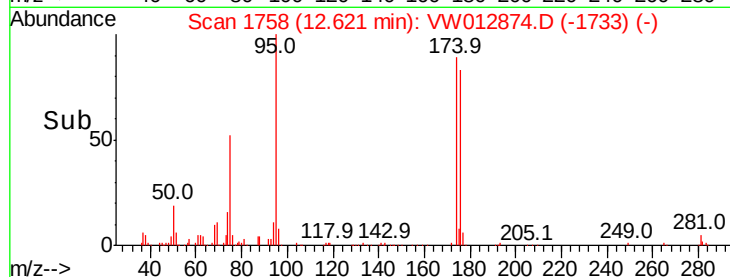
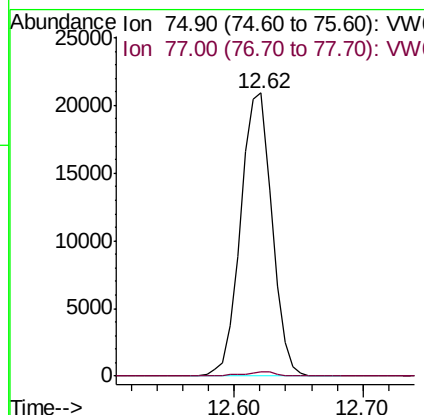
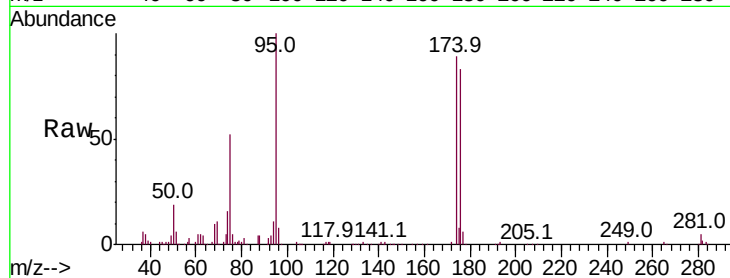
SB-30-9.5-10.0

Tot Ion: 75 Resp: 35109

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 156.984 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

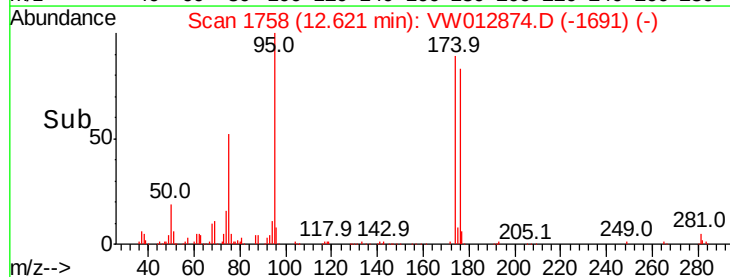
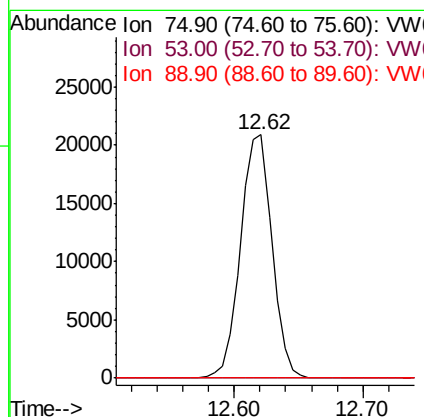
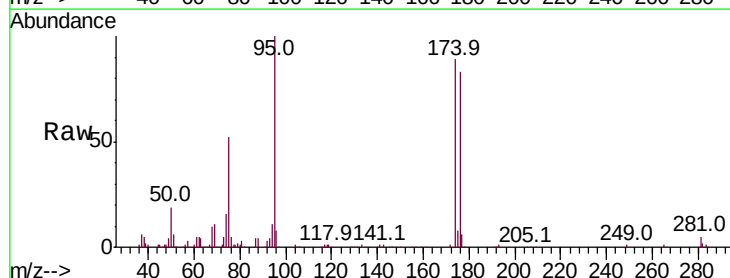
Tgt Ion: 75 Resp: 35109

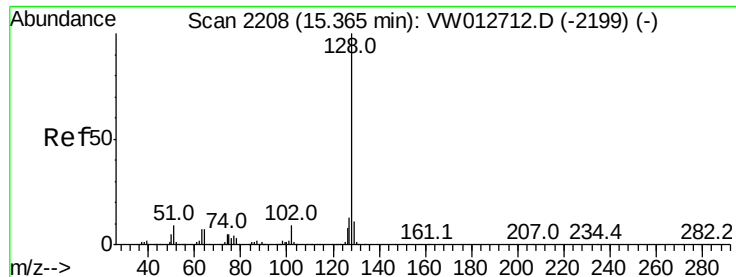
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 5.858 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012874.D

Acq: 10 Sep 2019 16:50

Instrument :

MSVOA_W

ClientSampleId :

SB-30-9.5-10.0

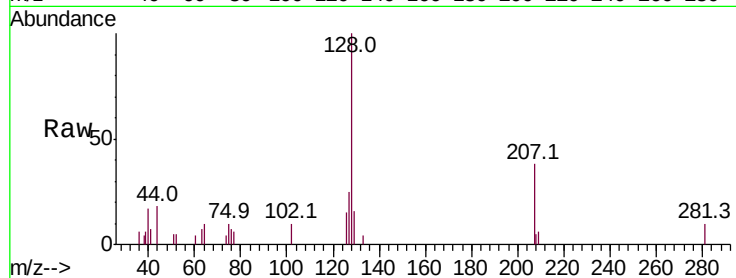
Tot Ion:128 Resp: 3023

Ion Ratio Lower Upper

128 100

127 15.6 10.7 16.1

129 11.3 8.7 13.1



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

