

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090919\
 Data File : VW012823.D
 Acq On : 09 Sep 2019 15:58
 Operator : SY/VA
 Sample : K4760-04RE
 Misc : 5.92G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 09 16:25:11 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	32340	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	45589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	36665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	11688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	17278	47.82	ug/l	0.00
Spiked Amount						
			Recovery	=	95.64%	
35) Dibromofluoromethane	7.88	113	14150	52.21	ug/l	0.00
Spiked Amount						
			Recovery	=	104.42%	
50) Toluene-d8	10.32	98	53384	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.62	95	15936	41.34	ug/l	0.00
Spiked Amount						
			Recovery	=	82.68%	

Target Compounds

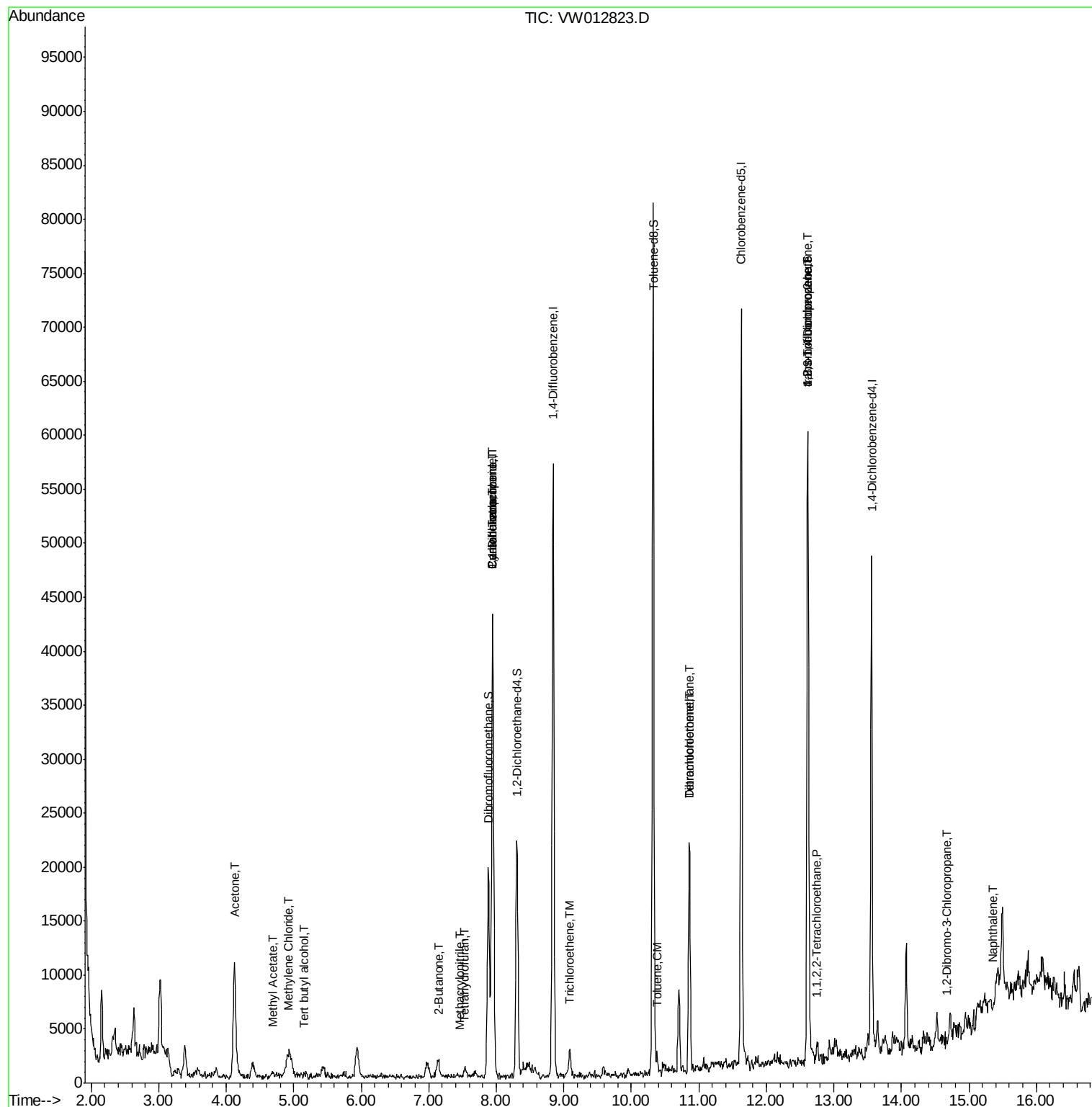
						Qvalue
11) Tert butyl alcohol	5.16	59	326	11.792	ug/l #	72
16) Acetone	4.12	43	19166	194.559	ug/l	90
18) Methyl Acetate	4.68	43	1089	4.712	ug/l #	76
20) Methylene Chloride	4.92	84	980	3.180	ug/l #	77
25) 2-Butanone	7.16	43	22	19.820	ug/l #	53
29) Tetrahydrofuran	7.54	42	688	8.649	ug/l #	82
31) Cyclohexane	7.94	56	914	1.721	ug/l #	56
36) 1,1-Dichloropropene	7.95	75	2637	6.510	ug/l #	55
38) Carbon Tetrachloride	7.95	117	3323	8.322	ug/l #	16
41) Methacrylonitrile	7.46	41	21	3.949	ug/l #	1
44) Trichloroethene	9.10	130	939	3.241	ug/l	61
52) Toluene	10.38	92	815	1.162	ug/l	79
60) Dibromochloromethane	10.87	129	4150	15.968	ug/l #	11
64) Tetrachloroethene	10.86	164	4916	22.097	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.74	83	278	1.651	ug/l #	35
76) 1,2,3-Trichloropropane	12.62	75	7968	66.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	7968	141.010	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.68	75	39	1.266	ug/l #	3
95) Naphthalene	15.35	128	28	4.491	ug/l #	69

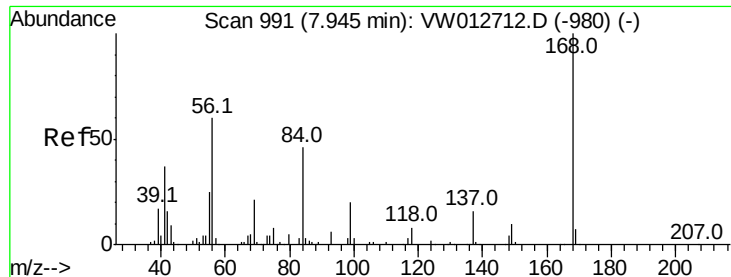
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

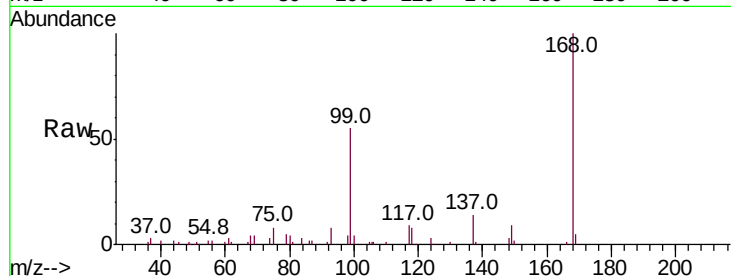
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 32340

Ion Ratio Lower Upper

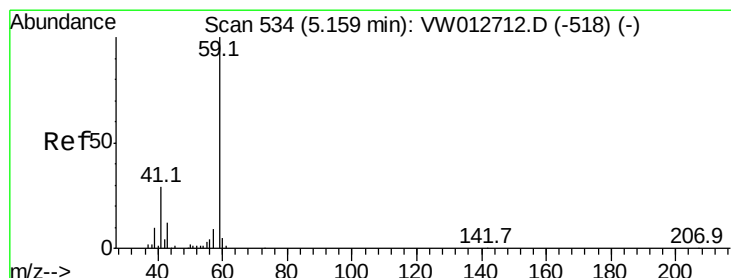
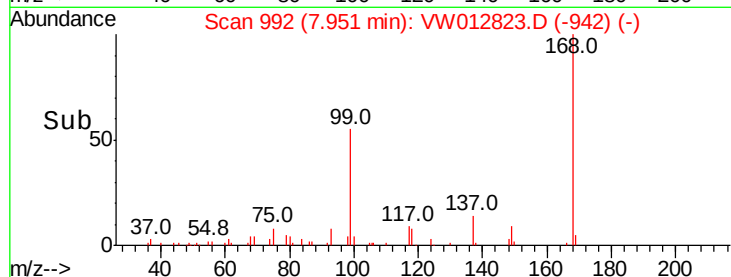
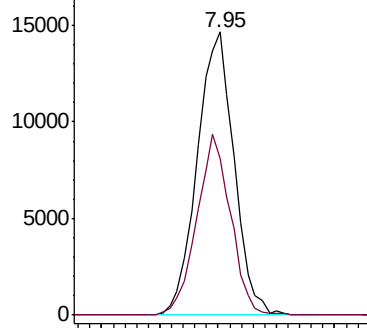
168 100

99 55.2 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 11.792 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.00 min

Lab File: VW012823.D

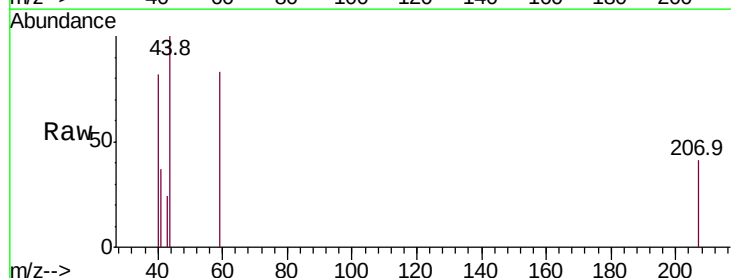
Acq: 09 Sep 2019 15:58

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

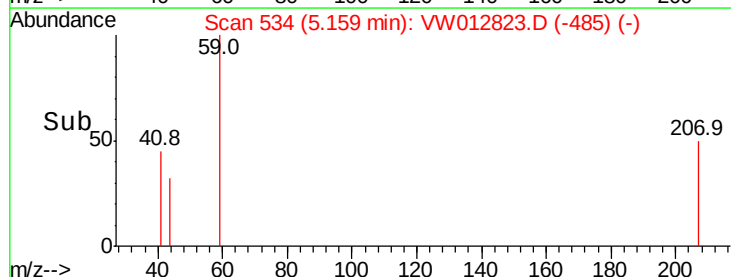
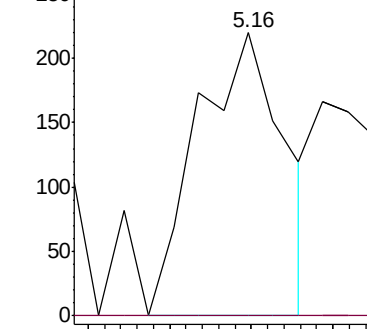
59 100

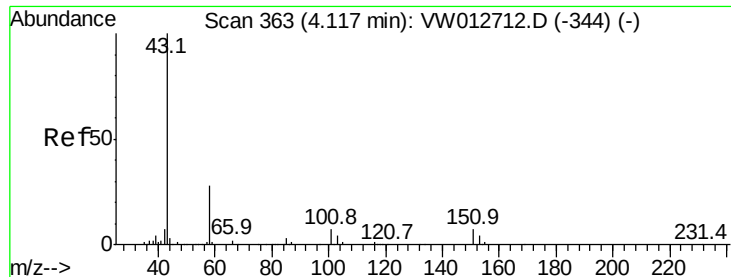
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 194.559 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

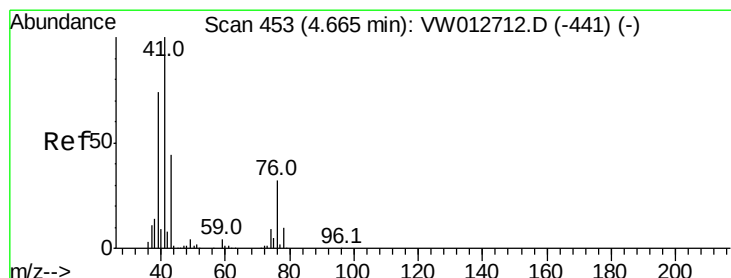
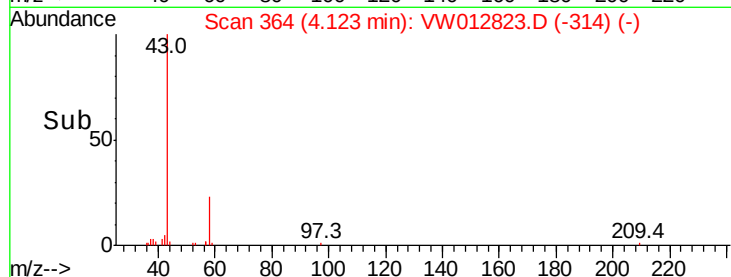
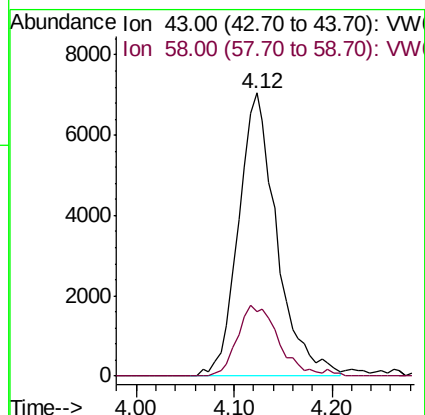
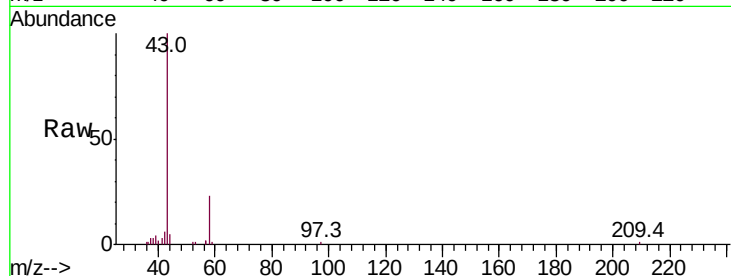
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 19166

Ion Ratio Lower Upper

43 100

58 22.7 22.6 33.8



#18

Methyl Acetate

Concen: 4.712 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW012823.D

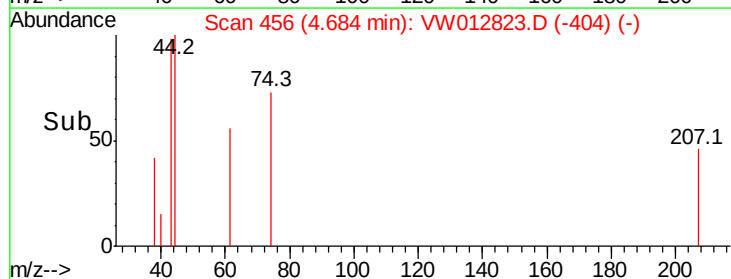
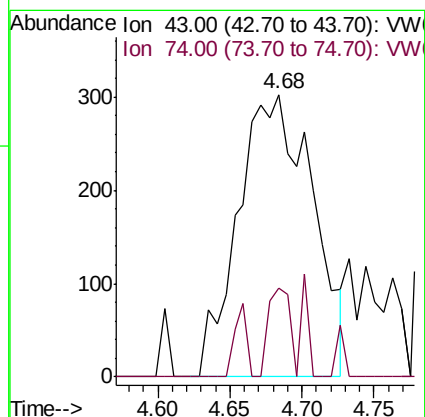
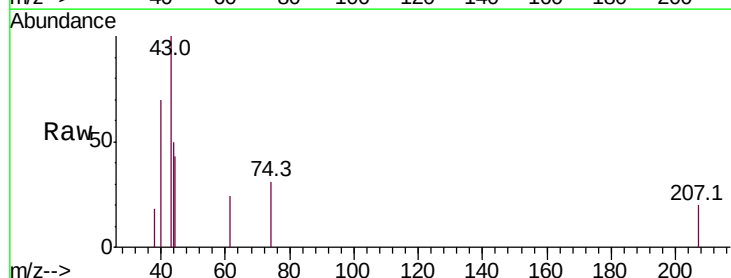
Acq: 09 Sep 2019 15:58

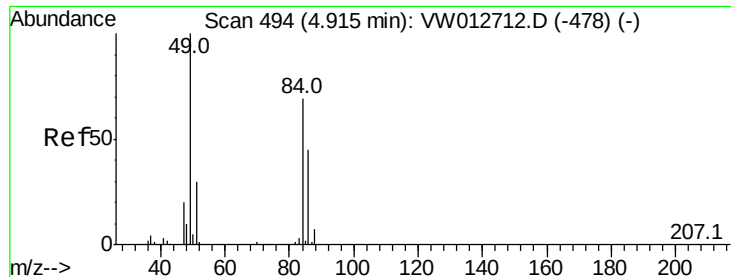
Tgt Ion: 43 Resp: 1089

Ion Ratio Lower Upper

43 100

74 8.9 15.8 23.6#

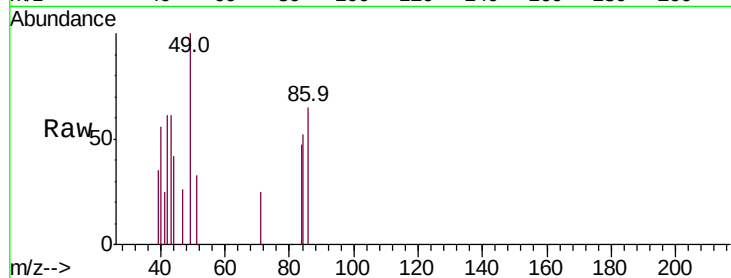




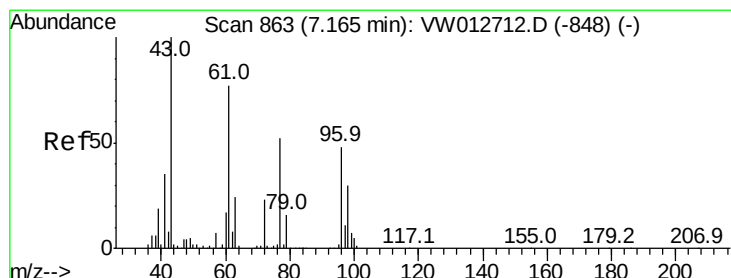
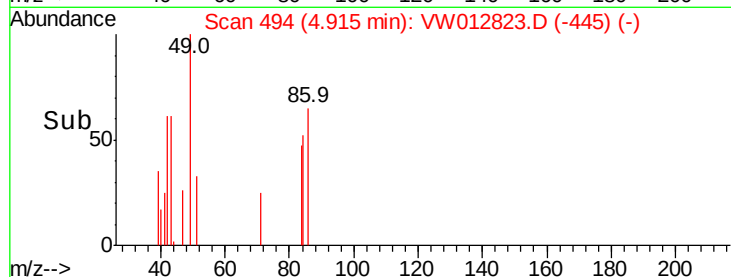
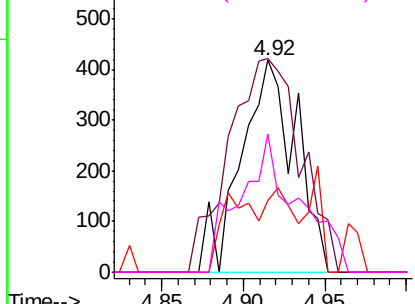
#20
Methylene Chloride
Concen: 3.180 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 980
Ion Ratio Lower Upper
84 100
49 100.7 115.4 173.0#
51 33.5 34.9 52.3#
86 65.1 52.2 78.4

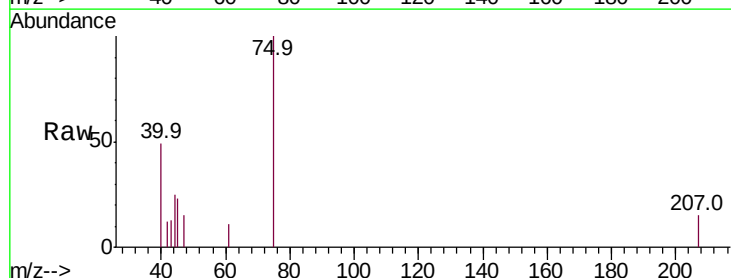


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

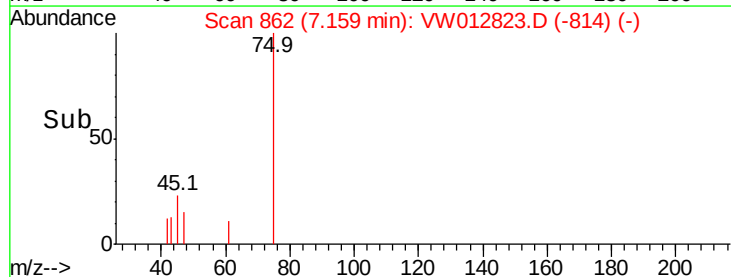
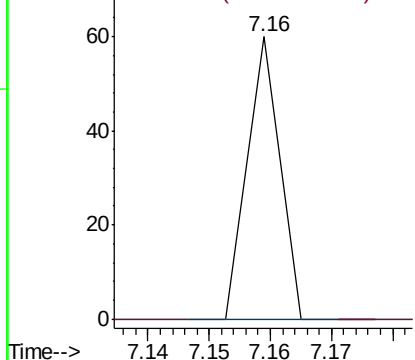


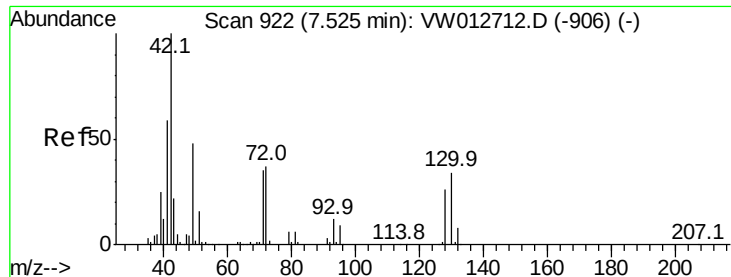
#25
2-Butanone
Concen: 19.820 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

Tgt Ion: 43 Resp: 22
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

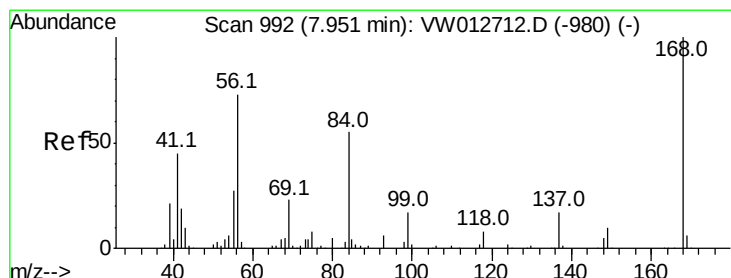
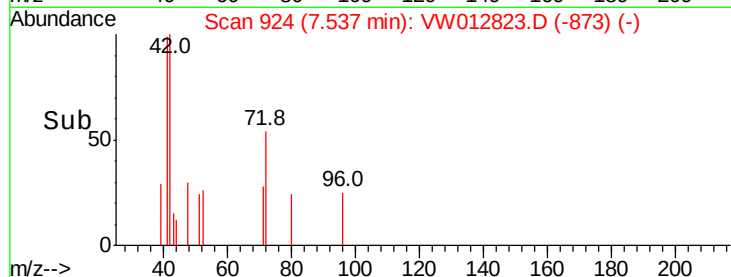
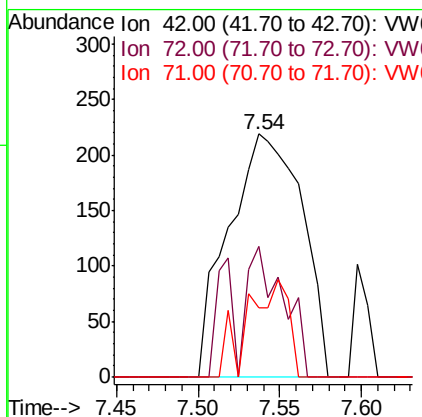
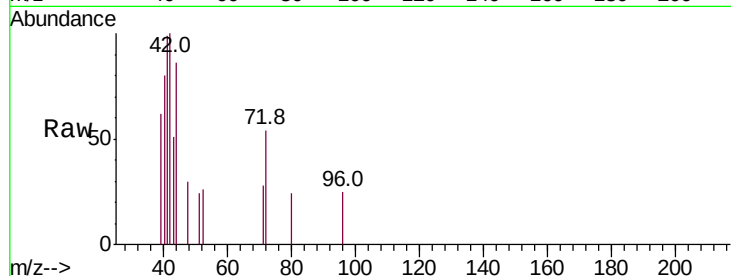




#29
Tetrahydrofuran
Concen: 8.649 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

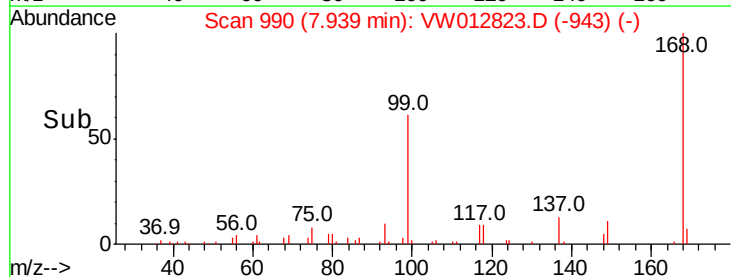
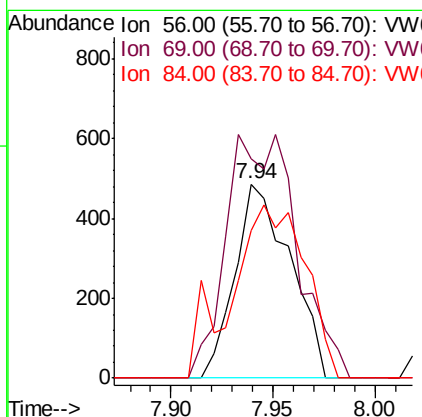
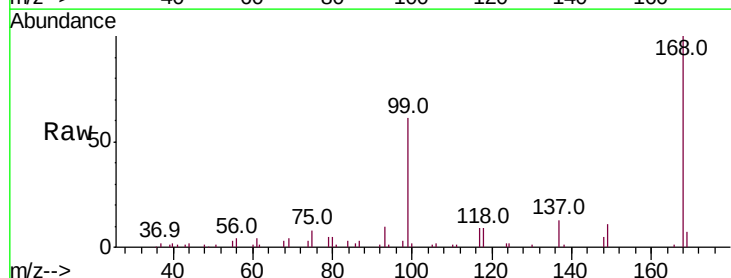
Instrument :
MSVOA_W
ClientSampled :

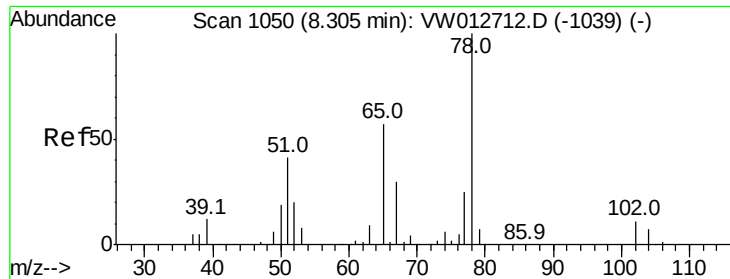
Tot Ion: 42 Resp: 688
Ion Ratio Lower Upper
42 100
72 26.6 28.4 42.6#
71 22.2 27.1 40.7#



#31
Cyclohexane
Concen: 1.721 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

Tgt Ion: 56 Resp: 914
Ion Ratio Lower Upper
56 100
69 113.4 25.7 38.5#
84 75.9 60.4 90.6

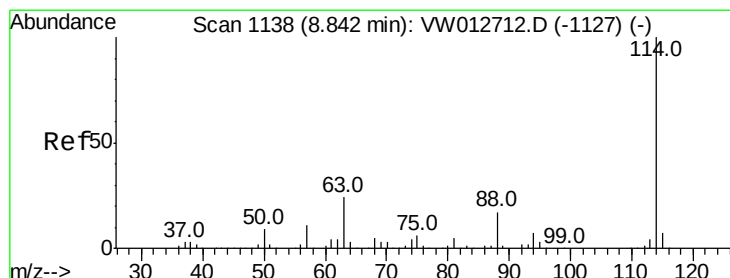
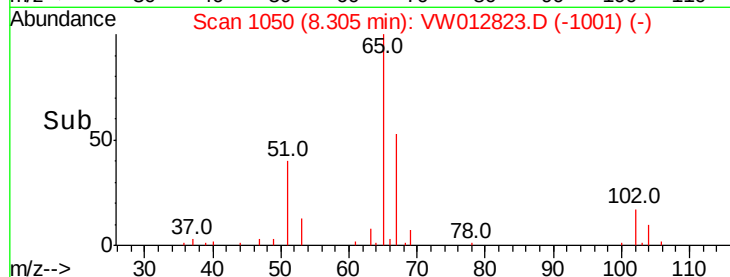
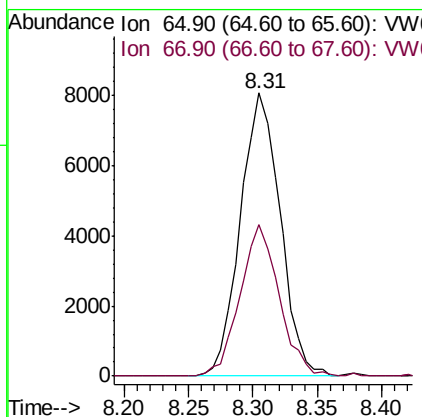
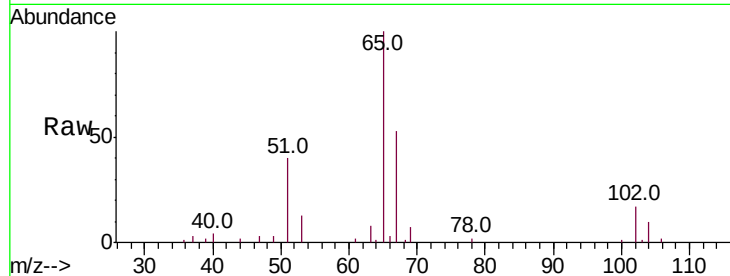




#33
 1,2-Dichloroethane-d4
 Concen: 47.816 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012823.D
 Acq: 09 Sep 2019 15:58

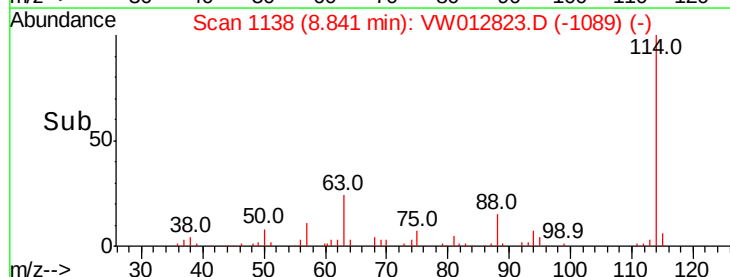
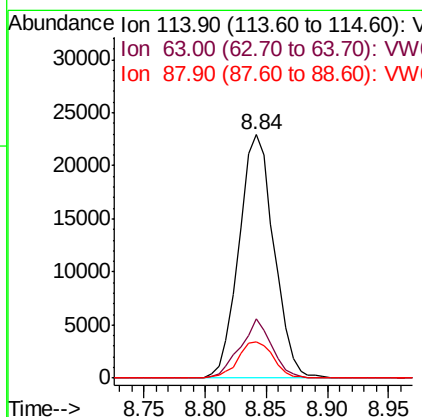
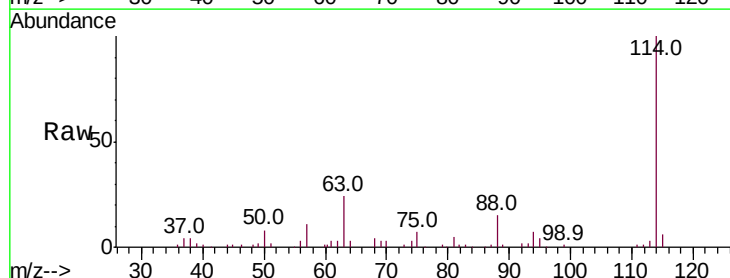
Instrument :
 MSVOA_W
 ClientSampled :

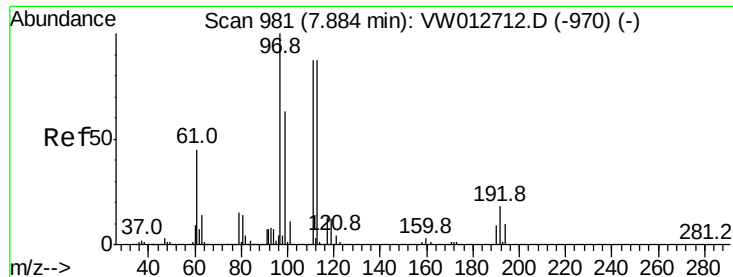
Tot Ion: 65 Resp: 17278
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012823.D
 Acq: 09 Sep 2019 15:58

Tgt Ion: 114 Resp: 45589
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 47.2
 88 14.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.206 ug/l

RT: 7.88 min Scan# 981

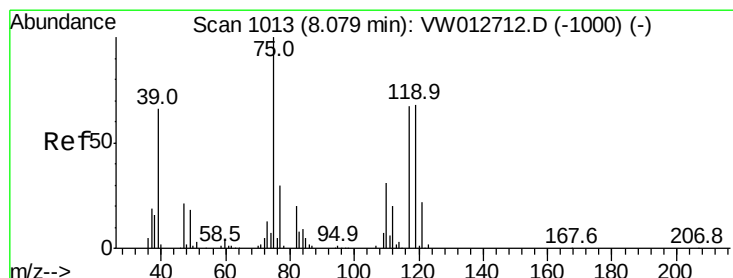
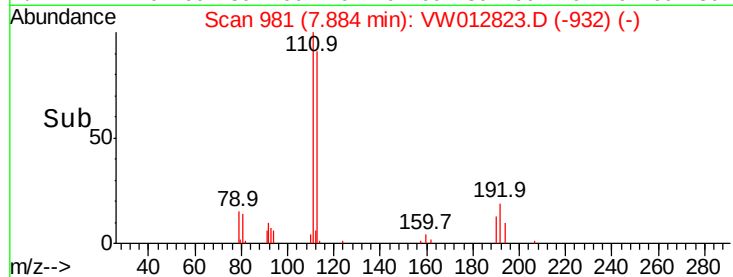
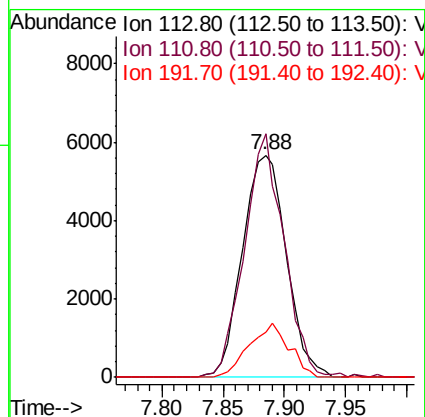
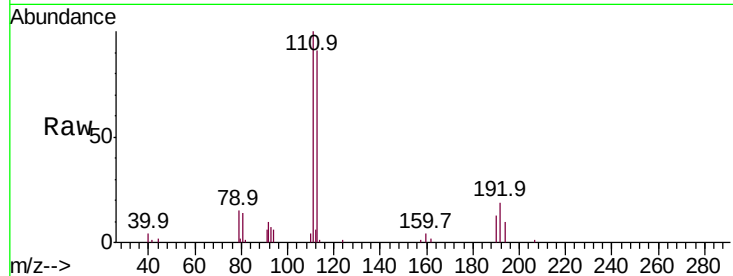
Delta R.T. -0.00 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	113	Resp:	14150
Ion	Ratio	Lower	Upper
113	100		
111	98.8	80.2	120.4
192	22.0	17.3	25.9



#36

1,1-Dichloropropene

Concen: 6.510 ug/l

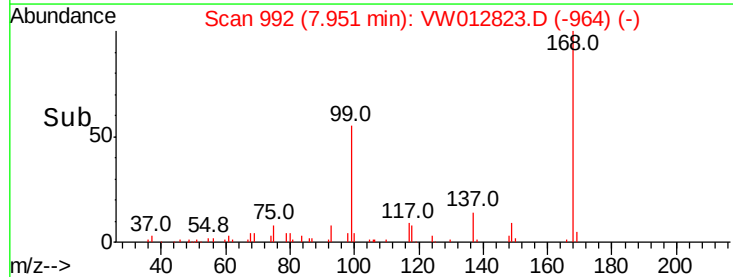
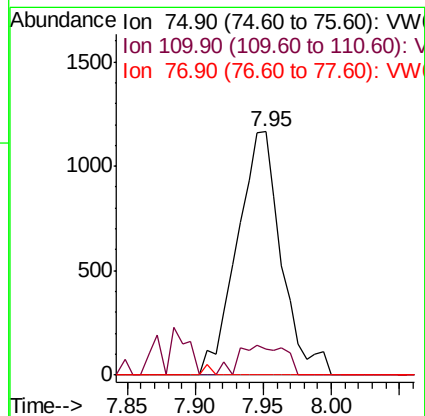
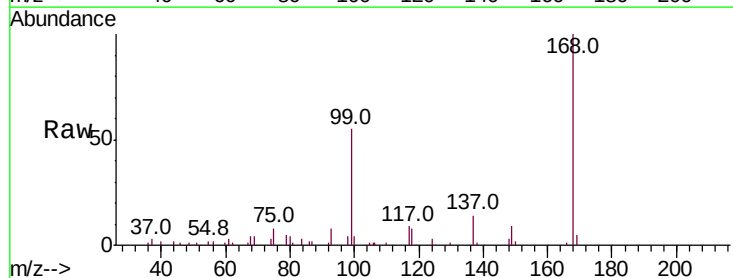
RT: 7.95 min Scan# 992

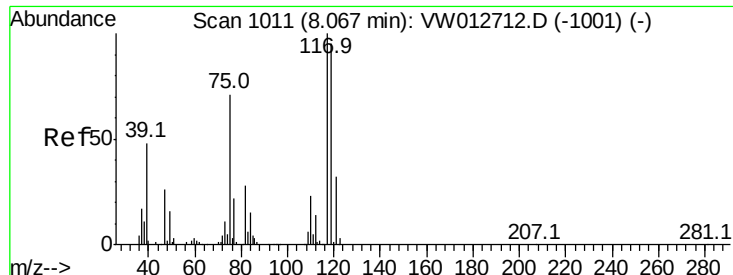
Delta R.T. -0.13 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Tgt Ion:	75	Resp:	2637
Ion	Ratio	Lower	Upper
75	100		
110	13.0	15.9	47.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 8.322 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

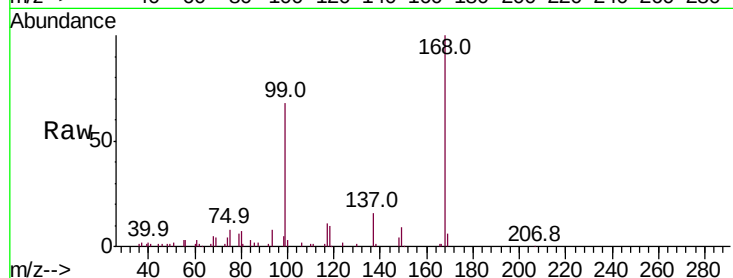
Tot Ion:117 Resp: 3323

Ion Ratio Lower Upper

117 100

119 4.5 76.2 114.2#

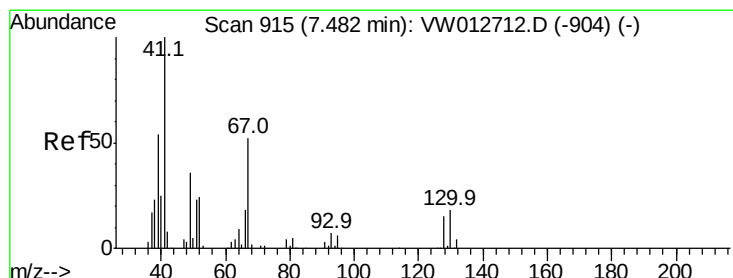
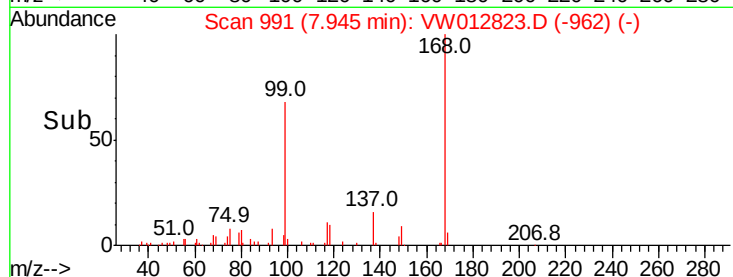
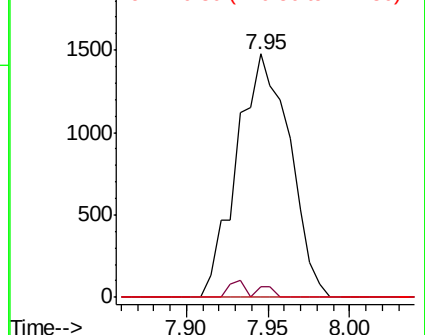
121 0.0 25.4 38.2#



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: 3.949 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Tgt Ion: 41 Resp: 21

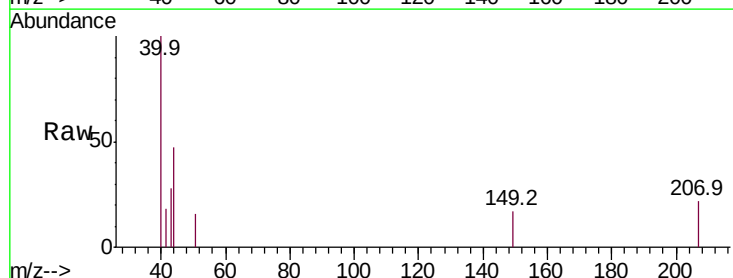
Ion Ratio Lower Upper

41 100

39 261.9 47.5 71.3#

67 0.0 45.1 67.7#

52 95.2 20.2 30.2#

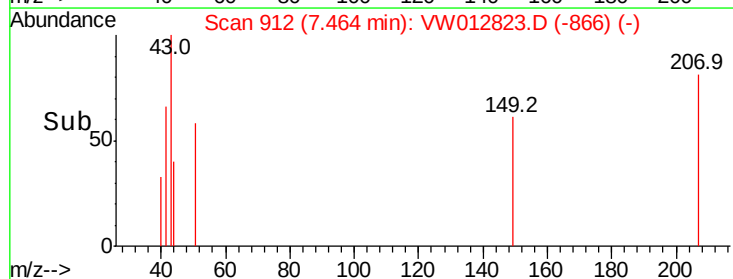
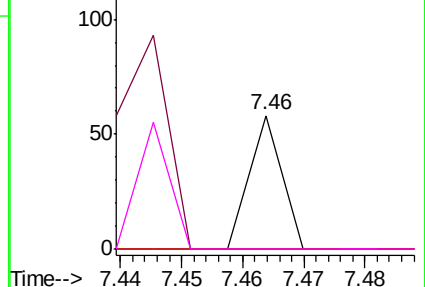


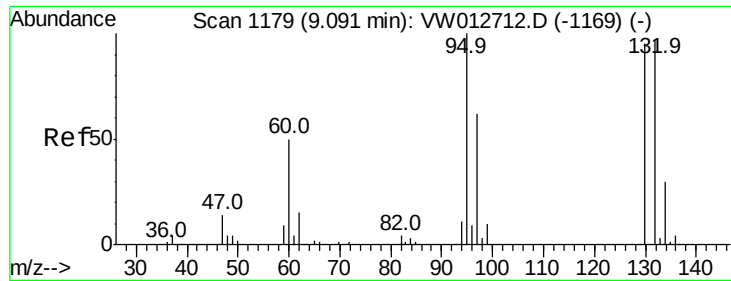
Abundance Ion 41.00 (40.70 to 41.70): VW

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

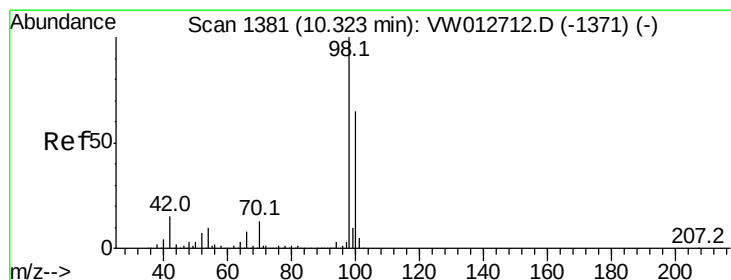
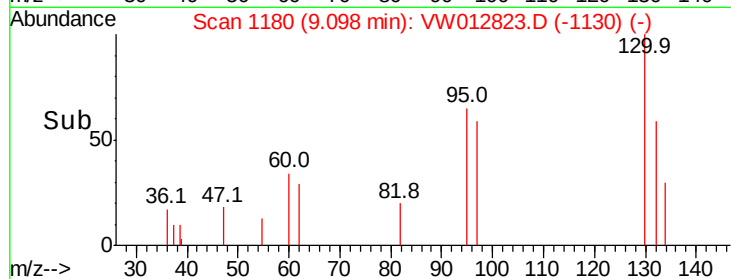
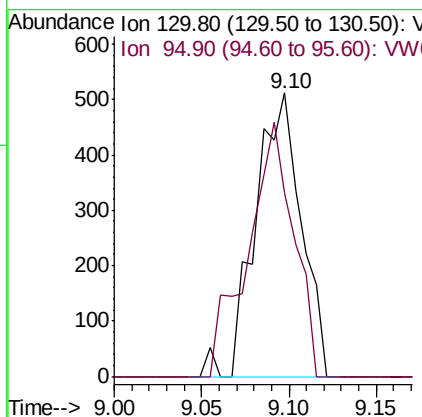
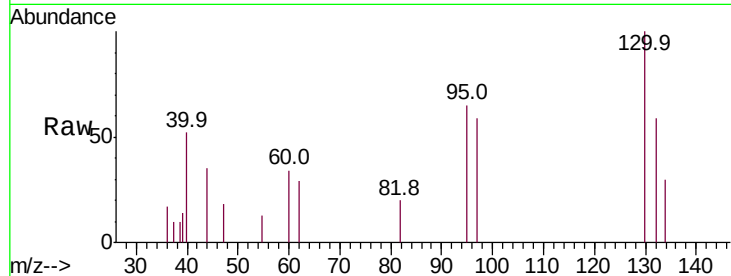




#44
 Trichloroethene
 Concen: 3.241 ug/l
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VW012823.D
 Acq: 09 Sep 2019 15:58

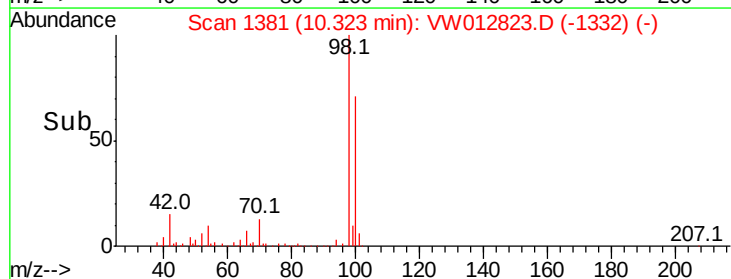
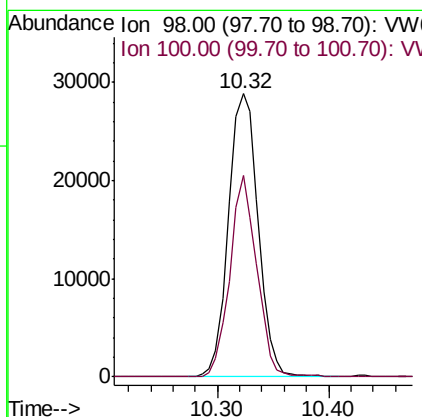
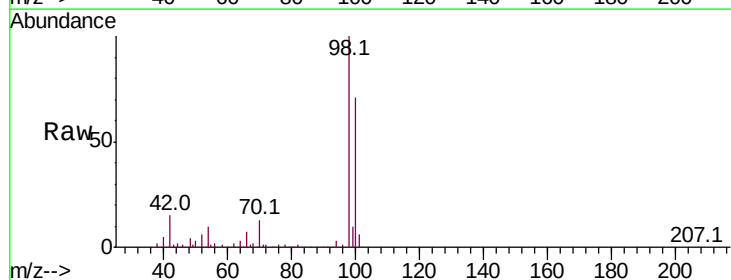
Instrument :
 MSVOA_W
 ClientSampleId :

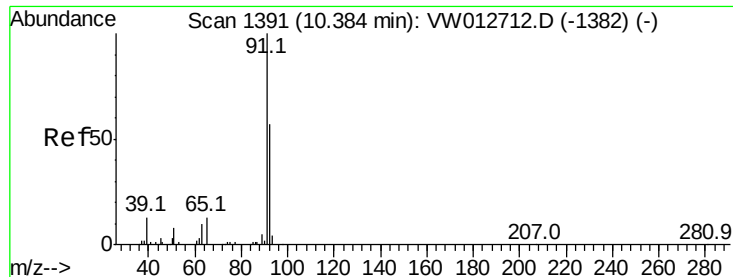
Tot Ion:130 Resp: 939
 Ion Ratio Lower Upper
 130 100
 95 64.8 0.0 210.6



#50
 Toluene-d8
 Concen: 50.274 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012823.D
 Acq: 09 Sep 2019 15:58

Tgt Ion: 98 Resp: 53384
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.2 78.4





#52

Toluene

Concen: 1.162 ug/l

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :

MSVOA_W

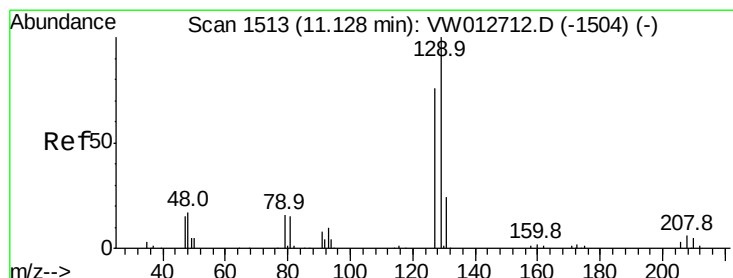
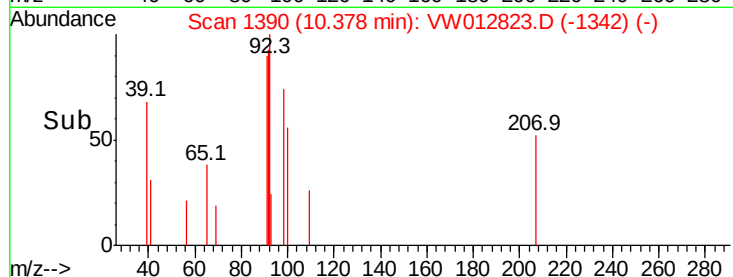
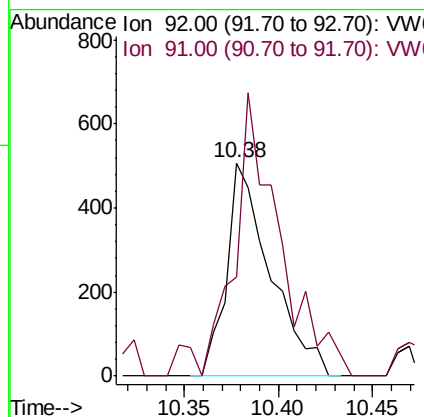
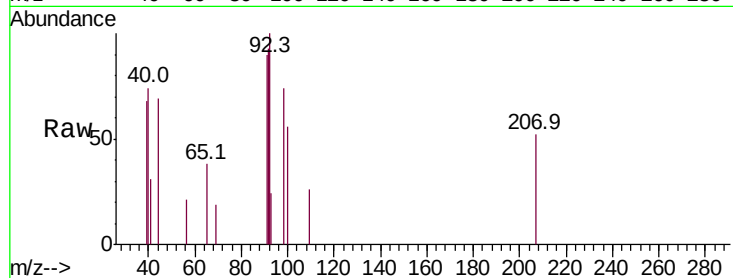
ClientSampled :

Tot Ion: 92 Resp: 815

Ion Ratio Lower Upper

92 100

91 142.0 137.0 205.4



#60

Dibromochloromethane

Concen: 15.968 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW012823.D

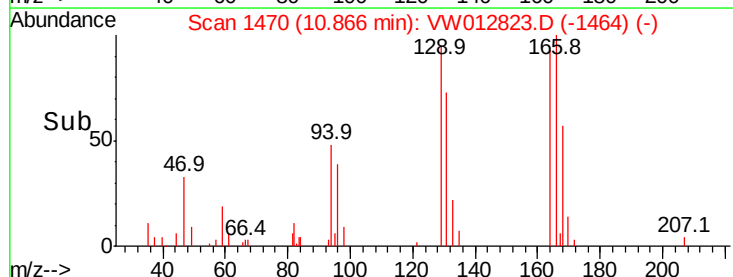
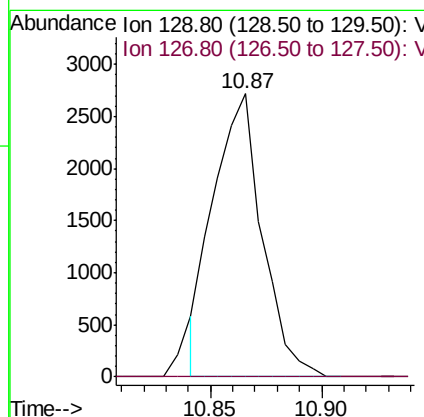
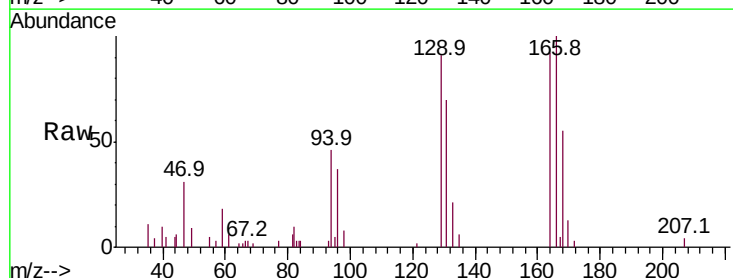
Acq: 09 Sep 2019 15:58

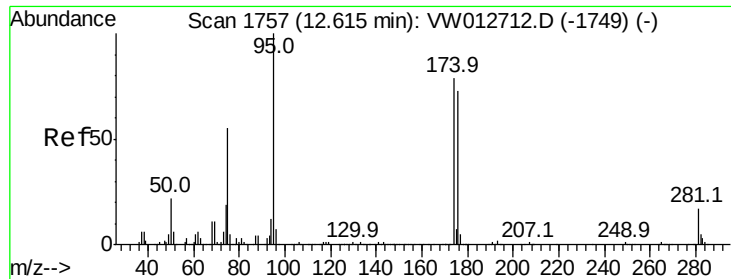
Tgt Ion: 129 Resp: 4150

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

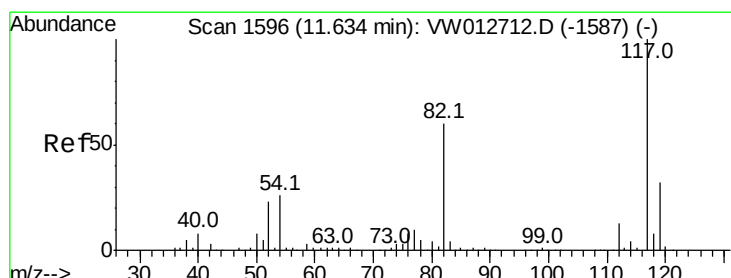
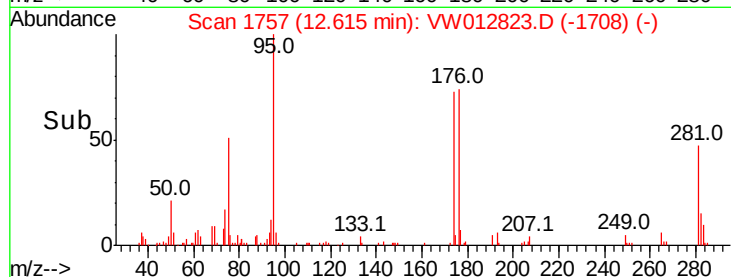
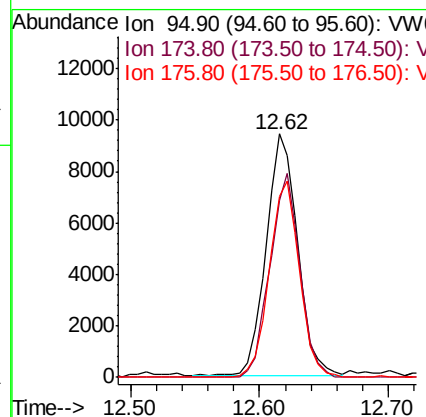
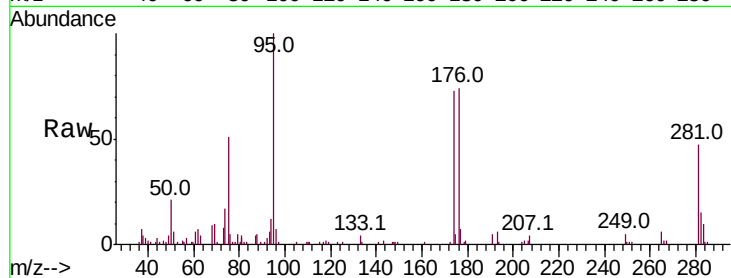




#62
4-Bromofluorobenzene
Concen: 41.339 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

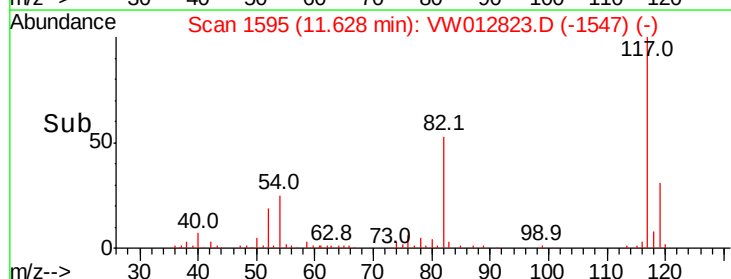
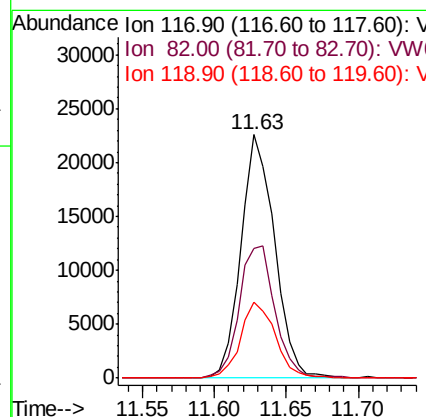
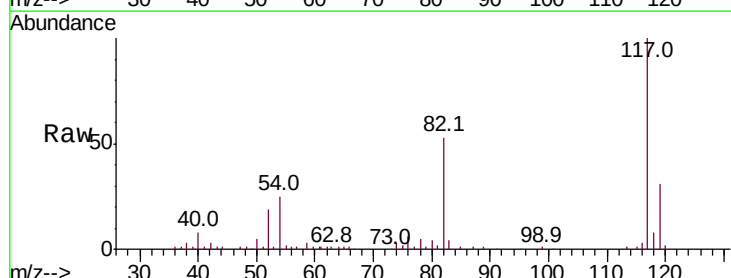
Instrument :
MSVOA_W
ClientSampleId :

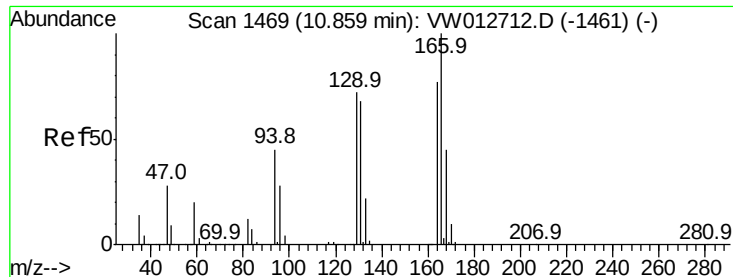
Tot Ion: 95 Resp: 15936
Ion Ratio Lower Upper
95 100
174 79.9 0.0 161.0
176 77.7 0.0 156.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

Tgt Ion: 117 Resp: 36665
Ion Ratio Lower Upper
117 100
82 53.3 48.2 72.4
119 31.3 25.8 38.6





#64

Tetrachloroethene

Concen: 22.097 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 4916

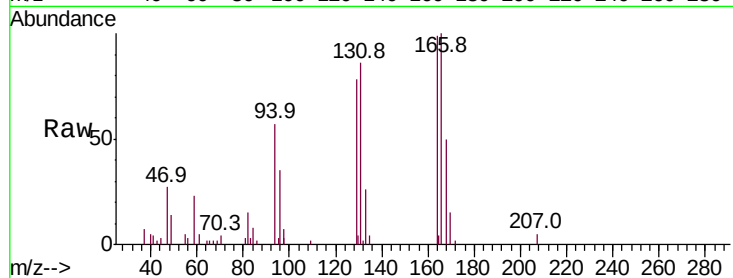
Ion Ratio Lower Upper

164 100

166 101.4 103.6 155.4#

129 79.6 74.6 112.0

131 87.5 70.6 106.0

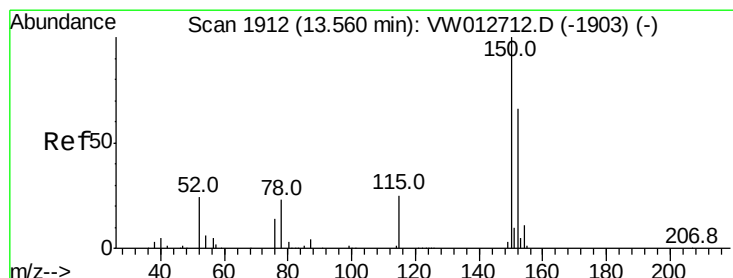
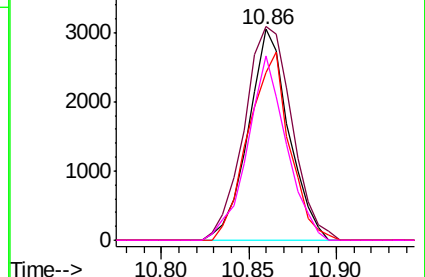
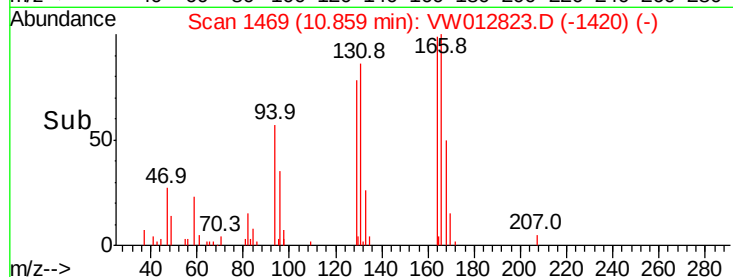


Abundance Ion 163.80 (163.50 to 164.50): V

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

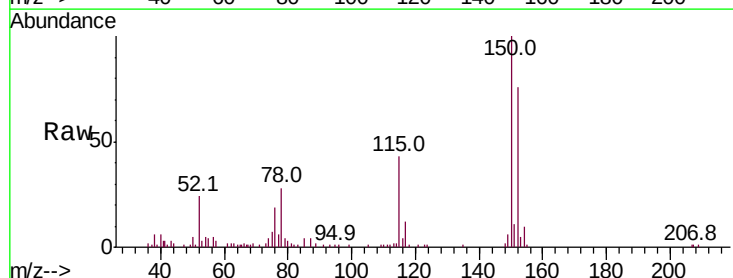
Tgt Ion:152 Resp: 11688

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.1

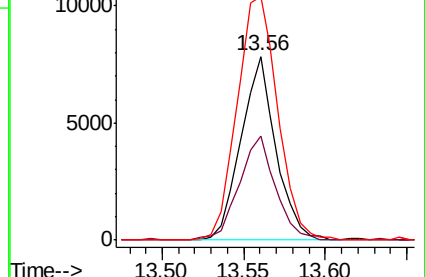
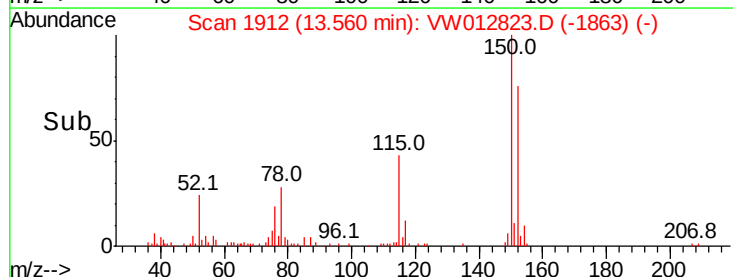
150 153.8 0.0 349.0

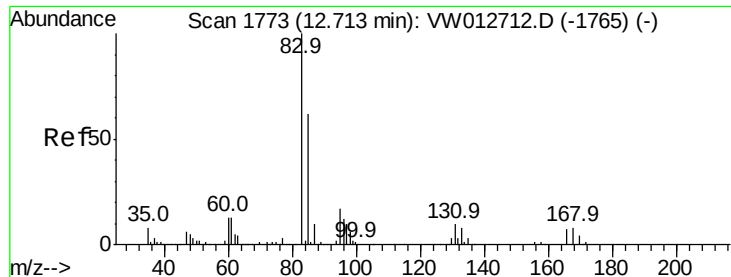


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 1.651 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.03 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

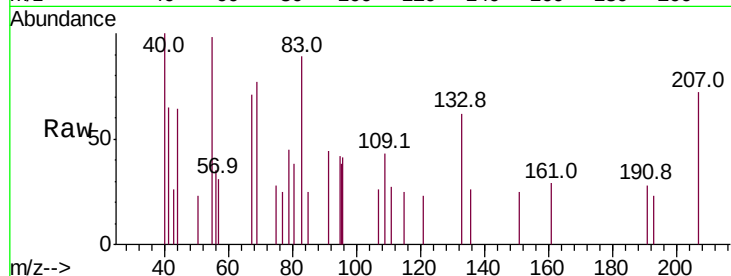
Tot Ion: 83 Resp: 278

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

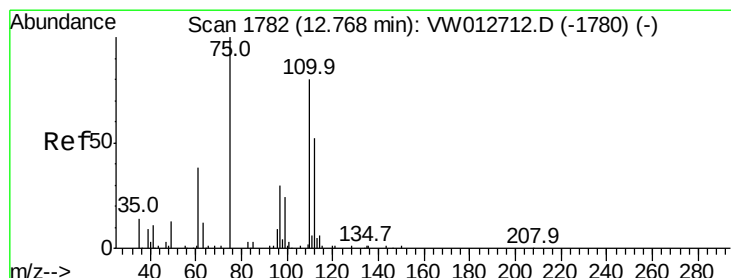
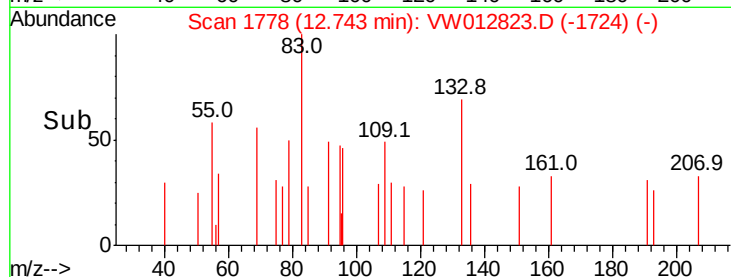
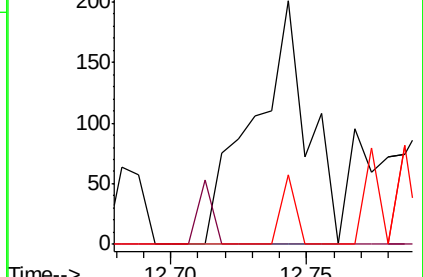
85 7.6 31.4 94.2#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 66.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012823.D

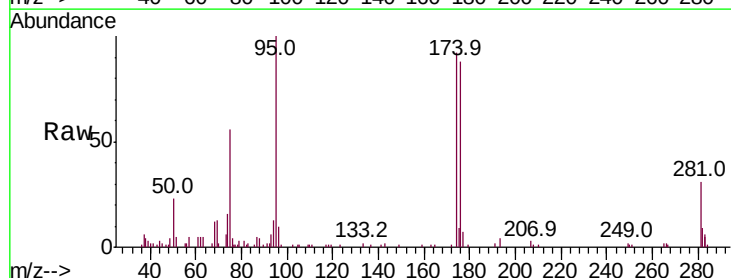
Acq: 09 Sep 2019 15:58

Tgt Ion: 75 Resp: 7968

Ion Ratio Lower Upper

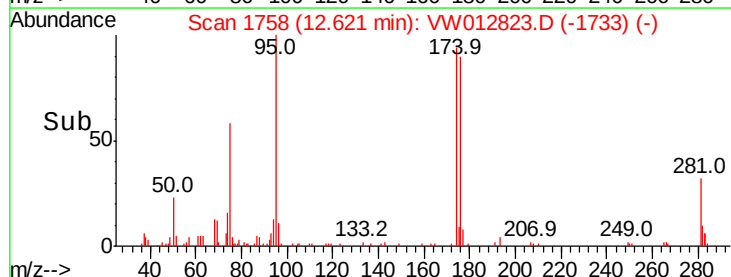
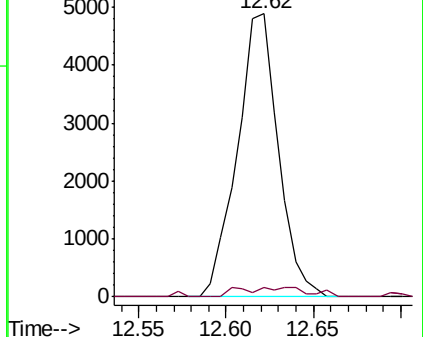
75 100

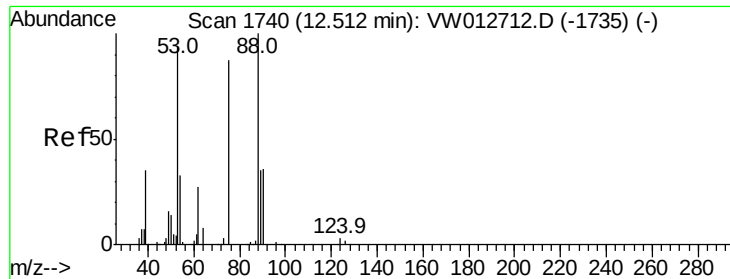
77 3.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

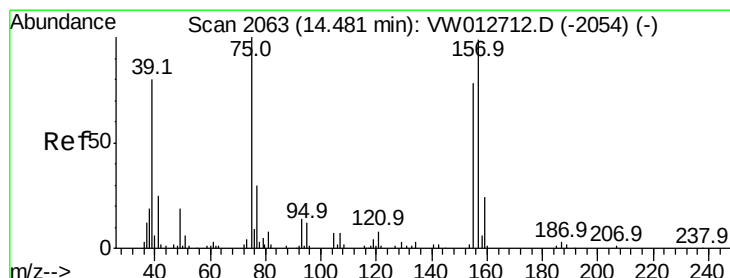
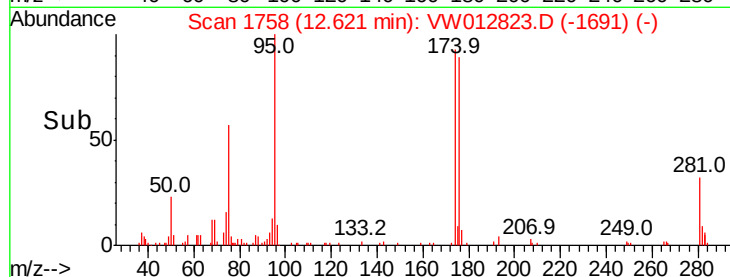
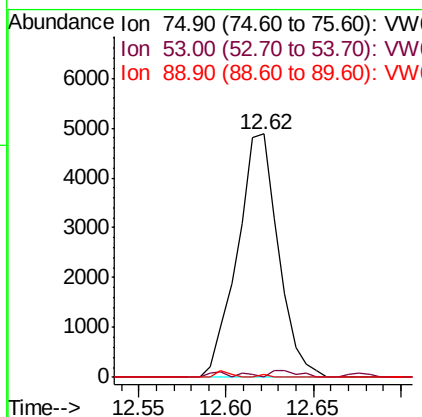
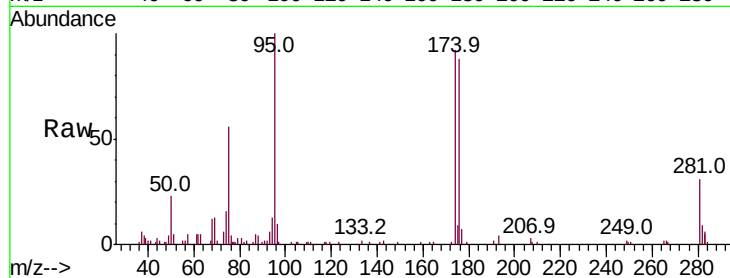




#81
trans-1,4-Dichloro-2-butene
Concen: 141.010 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

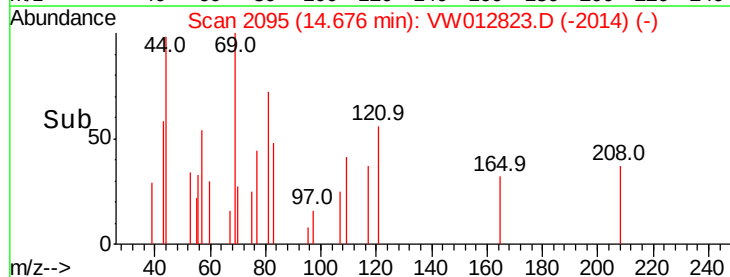
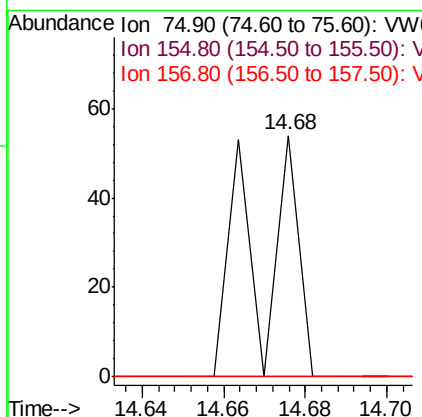
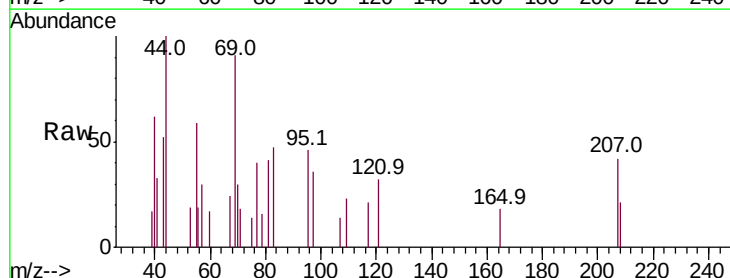
Instrument :
MSVOA_W
ClientSampleId :

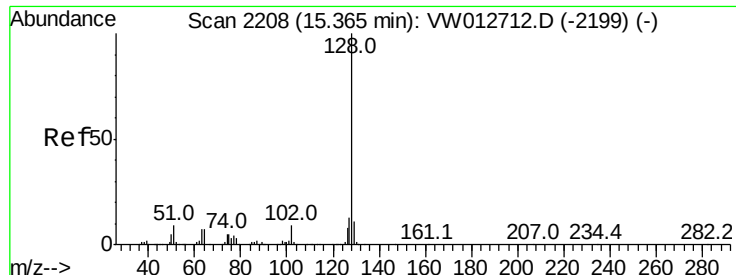
Tot Ion: 75 Resp: 7968
Ion Ratio Lower Upper
75 100
53 1.9 87.6 131.4#
89 0.3 35.5 53.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.266 ug/l
RT: 14.68 min Scan# 2095
Delta R.T. 0.20 min
Lab File: VW012823.D
Acq: 09 Sep 2019 15:58

Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
155 0.0 40.6 122.0#
157 0.0 52.5 157.5#





#95

Naphthalene

Concen: 4.491 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VW012823.D

Acq: 09 Sep 2019 15:58

Instrument :

MSVOA_W

ClientSampleId :

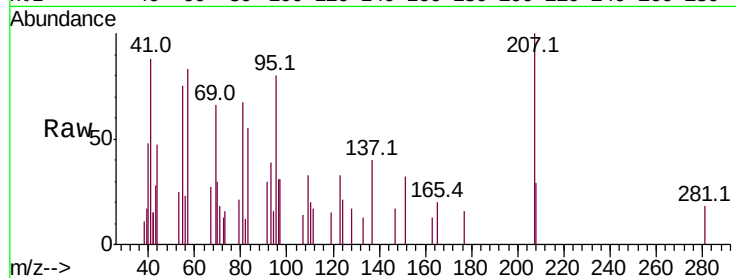
Tot Ion:128 Resp: 28

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 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

